

# Mercia Academy, Swadlincote

## Surface Water Drainage Calculations

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|                                                                             |                          |              |
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| Authorised By: Group BA Manager                                             | Page 2 of 4              | FOR-DBS-0608 |
| Author: Business Assurance Lead                                             | Version Date: April 2021 | Version: 3.0 |
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## Document Control

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Mercia Academy  
SW Catchment Areas for InfoDrainage model  
RIBA Stage 5

Refer also to drawing:  
SRP1168-DBS-00-ZZ-D-C-2031-GeneralArrangementSustainableDrainagePlan-A4-C04



|                                                                                                                 |                                                                                                                |                           |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                | Date:<br>18/03/2026                                                                                            |                           |                                                                                     |
|                                                                                                                 | Designed by:<br>A Jones                                                                                        | Checked by:<br>P Southern | Approved By:<br>P Southern                                                          |
|                                                                                                                 | Report Details:<br>Type: Inflows<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |                           |                                                                                     |
| Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                                                                                                                |                           |  |



Green Roof 01

Type : Catchment Area

|           |      |
|-----------|------|
| Area (ha) | 0.01 |
|-----------|------|

Dynamic Sizing

|                                      |            |
|--------------------------------------|------------|
| Runoff Method                        | Green Roof |
| Summer Volumetric Runoff Coefficient | 1.000      |
| Winter Volumetric Runoff Coefficient | 1.000      |
| Depression Storage (mm)              | 40         |
| Evapotranspiration (mm/day)          | 1.0        |
| Decay Coefficiency                   | 0.050      |
| Time Delay (mins)                    | 120        |
| Urban Creep (%)                      | 0          |



Green Roof 02

Type : Catchment Area

|           |      |
|-----------|------|
| Area (ha) | 0.02 |
|-----------|------|

Dynamic Sizing

|                                      |            |
|--------------------------------------|------------|
| Runoff Method                        | Green Roof |
| Summer Volumetric Runoff Coefficient | 1.000      |
| Winter Volumetric Runoff Coefficient | 1.000      |
| Depression Storage (mm)              | 40         |
| Evapotranspiration (mm/day)          | 1.0        |
| Decay Coefficiency                   | 0.050      |
| Time Delay (mins)                    | 120        |
| Urban Creep (%)                      | 0          |



Green Roof 03

Type : Catchment Area

|           |      |
|-----------|------|
| Area (ha) | 0.02 |
|-----------|------|

Dynamic Sizing

|                                      |            |
|--------------------------------------|------------|
| Runoff Method                        | Green Roof |
| Summer Volumetric Runoff Coefficient | 1.000      |
| Winter Volumetric Runoff Coefficient | 1.000      |
| Depression Storage (mm)              | 40         |
| Evapotranspiration (mm/day)          | 1.0        |
| Decay Coefficiency                   | 0.050      |
| Time Delay (mins)                    | 120        |
| Urban Creep (%)                      | 0          |



Green Roof 04

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.025 |
|-----------|-------|

Dynamic Sizing

|                                      |            |
|--------------------------------------|------------|
| Runoff Method                        | Green Roof |
| Summer Volumetric Runoff Coefficient | 1.000      |
| Winter Volumetric Runoff Coefficient | 1.000      |
| Depression Storage (mm)              | 40         |
| Evapotranspiration (mm/day)          | 1.0        |
| Decay Coefficiency                   | 0.050      |
| Time Delay (mins)                    | 120        |
| Urban Creep (%)                      | 0          |

|                                                                                                                 |                                                                                                                |                           |                            |                                                                                     |
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|                                                                                                                 | Designed by:<br>A Jones                                                                                        | Checked by:<br>P Southern | Approved By:<br>P Southern |                                                                                     |
|                                                                                                                 | Report Details:<br>Type: Inflows<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |                           |                            |                                                                                     |
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Green Roof 05

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.026 |
|-----------|-------|

Dynamic Sizing

|                                      |            |
|--------------------------------------|------------|
| Runoff Method                        | Green Roof |
| Summer Volumetric Runoff Coefficient | 1.000      |
| Winter Volumetric Runoff Coefficient | 1.000      |
| Depression Storage (mm)              | 40         |
| Evapotranspiration (mm/day)          | 1.0        |
| Decay Coefficiency                   | 0.050      |
| Time Delay (mins)                    | 120        |
| Urban Creep (%)                      | 0          |



Green Roof 06

Type : Catchment Area

|           |      |
|-----------|------|
| Area (ha) | 0.02 |
|-----------|------|

Dynamic Sizing

|                                      |            |
|--------------------------------------|------------|
| Runoff Method                        | Green Roof |
| Summer Volumetric Runoff Coefficient | 1.000      |
| Winter Volumetric Runoff Coefficient | 1.000      |
| Depression Storage (mm)              | 40         |
| Evapotranspiration (mm/day)          | 1.0        |
| Decay Coefficiency                   | 0.050      |
| Time Delay (mins)                    | 120        |
| Urban Creep (%)                      | 0          |



Green Roof 07

Type : Catchment Area

|           |      |
|-----------|------|
| Area (ha) | 0.01 |
|-----------|------|

Dynamic Sizing

|                                      |            |
|--------------------------------------|------------|
| Runoff Method                        | Green Roof |
| Summer Volumetric Runoff Coefficient | 1.000      |
| Winter Volumetric Runoff Coefficient | 1.000      |
| Depression Storage (mm)              | 40         |
| Evapotranspiration (mm/day)          | 1.0        |
| Decay Coefficiency                   | 0.050      |
| Time Delay (mins)                    | 120        |
| Urban Creep (%)                      | 0          |



Green Roof 08

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.006 |
|-----------|-------|

Dynamic Sizing

|                                      |            |
|--------------------------------------|------------|
| Runoff Method                        | Green Roof |
| Summer Volumetric Runoff Coefficient | 1.000      |
| Winter Volumetric Runoff Coefficient | 1.000      |
| Depression Storage (mm)              | 40         |
| Evapotranspiration (mm/day)          | 1.0        |
| Decay Coefficiency                   | 0.050      |
| Time Delay (mins)                    | 120        |
| Urban Creep (%)                      | 0          |

|                                                                                                                 |                                                                                                                |                           |                                                                                     |
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|                                                                                                                 | Designed by:<br>A Jones                                                                                        | Checked by:<br>P Southern | Approved By:<br>P Southern                                                          |
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Green Roof 09

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.011 |
|-----------|-------|

Dynamic Sizing

|                                      |            |
|--------------------------------------|------------|
| Runoff Method                        | Green Roof |
| Summer Volumetric Runoff Coefficient | 1.000      |
| Winter Volumetric Runoff Coefficient | 1.000      |
| Depression Storage (mm)              | 40         |
| Evapotranspiration (mm/day)          | 1.0        |
| Decay Coefficiency                   | 0.050      |
| Time Delay (mins)                    | 120        |
| Urban Creep (%)                      | 0          |



Green Roof 11

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.007 |
|-----------|-------|

Dynamic Sizing

|                                      |            |
|--------------------------------------|------------|
| Runoff Method                        | Green Roof |
| Summer Volumetric Runoff Coefficient | 1.000      |
| Winter Volumetric Runoff Coefficient | 1.000      |
| Depression Storage (mm)              | 40         |
| Evapotranspiration (mm/day)          | 1.0        |
| Decay Coefficiency                   | 0.050      |
| Time Delay (mins)                    | 120        |
| Urban Creep (%)                      | 0          |



Green Roof 12

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.002 |
|-----------|-------|

Dynamic Sizing

|                                      |            |
|--------------------------------------|------------|
| Runoff Method                        | Green Roof |
| Summer Volumetric Runoff Coefficient | 1.000      |
| Winter Volumetric Runoff Coefficient | 1.000      |
| Depression Storage (mm)              | 40         |
| Evapotranspiration (mm/day)          | 1.0        |
| Decay Coefficiency                   | 0.050      |
| Time Delay (mins)                    | 120        |
| Urban Creep (%)                      | 0          |



Green Roof 16&17

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.018 |
|-----------|-------|

Dynamic Sizing

|                                      |            |
|--------------------------------------|------------|
| Runoff Method                        | Green Roof |
| Summer Volumetric Runoff Coefficient | 1.000      |
| Winter Volumetric Runoff Coefficient | 1.000      |
| Depression Storage (mm)              | 40         |
| Evapotranspiration (mm/day)          | 1.0        |
| Decay Coefficiency                   | 0.050      |
| Time Delay (mins)                    | 120        |
| Urban Creep (%)                      | 0          |

|                                                                                                                |                                                                                                                 |                           |                            |                                                                                     |
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|                                                                                                                | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |                                                                                     |
| Report Details:<br>Type: Inflows<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |                                                                                     |
|                                                                                                                |                                                                                                                 |                           |                            |                                                                                     |



Green Roof 18

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.015 |
|-----------|-------|

Dynamic Sizing

|                                      |            |
|--------------------------------------|------------|
| Runoff Method                        | Green Roof |
| Summer Volumetric Runoff Coefficient | 1.000      |
| Winter Volumetric Runoff Coefficient | 1.000      |
| Depression Storage (mm)              | 40         |
| Evapotranspiration (mm/day)          | 1.0        |
| Decay Coefficiency                   | 0.050      |
| Time Delay (mins)                    | 120        |
| Urban Creep (%)                      | 0          |



Green Roof 19

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.014 |
|-----------|-------|

Dynamic Sizing

|                                      |            |
|--------------------------------------|------------|
| Runoff Method                        | Green Roof |
| Summer Volumetric Runoff Coefficient | 1.000      |
| Winter Volumetric Runoff Coefficient | 1.000      |
| Depression Storage (mm)              | 40         |
| Evapotranspiration (mm/day)          | 1.0        |
| Decay Coefficiency                   | 0.050      |
| Time Delay (mins)                    | 120        |
| Urban Creep (%)                      | 0          |



Green Roof 21

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.007 |
|-----------|-------|

Dynamic Sizing

|                                      |            |
|--------------------------------------|------------|
| Runoff Method                        | Green Roof |
| Summer Volumetric Runoff Coefficient | 1.000      |
| Winter Volumetric Runoff Coefficient | 1.000      |
| Depression Storage (mm)              | 40         |
| Evapotranspiration (mm/day)          | 1.0        |
| Decay Coefficiency                   | 0.050      |
| Time Delay (mins)                    | 120        |
| Urban Creep (%)                      | 0          |



Green Roof 22

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.007 |
|-----------|-------|

Dynamic Sizing

|                                      |            |
|--------------------------------------|------------|
| Runoff Method                        | Green Roof |
| Summer Volumetric Runoff Coefficient | 1.000      |
| Winter Volumetric Runoff Coefficient | 1.000      |
| Depression Storage (mm)              | 40         |
| Evapotranspiration (mm/day)          | 1.0        |
| Decay Coefficiency                   | 0.050      |
| Time Delay (mins)                    | 120        |
| Urban Creep (%)                      | 0          |

|                                                                                                                 |                                                                                                                |                           |                            |                                                                                     |
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|                                                                                                                 | Designed by:<br>A Jones                                                                                        | Checked by:<br>P Southern | Approved By:<br>P Southern |                                                                                     |
|                                                                                                                 | Report Details:<br>Type: Inflows<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |                           |                            |                                                                                     |
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Green Roof 24

Type : Catchment Area

|           |      |
|-----------|------|
| Area (ha) | 0.01 |
|-----------|------|

Dynamic Sizing

|                                      |            |
|--------------------------------------|------------|
| Runoff Method                        | Green Roof |
| Summer Volumetric Runoff Coefficient | 1.000      |
| Winter Volumetric Runoff Coefficient | 1.000      |
| Depression Storage (mm)              | 40         |
| Evapotranspiration (mm/day)          | 1.0        |
| Decay Coefficiency                   | 0.050      |
| Time Delay (mins)                    | 120        |
| Urban Creep (%)                      | 0          |



Green Roof 25

Type : Catchment Area

|           |      |
|-----------|------|
| Area (ha) | 0.01 |
|-----------|------|

Dynamic Sizing

|                                      |            |
|--------------------------------------|------------|
| Runoff Method                        | Green Roof |
| Summer Volumetric Runoff Coefficient | 1.000      |
| Winter Volumetric Runoff Coefficient | 1.000      |
| Depression Storage (mm)              | 40         |
| Evapotranspiration (mm/day)          | 1.0        |
| Decay Coefficiency                   | 0.050      |
| Time Delay (mins)                    | 120        |
| Urban Creep (%)                      | 0          |



Green Roof 27

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.025 |
|-----------|-------|

Dynamic Sizing

|                                      |            |
|--------------------------------------|------------|
| Runoff Method                        | Green Roof |
| Summer Volumetric Runoff Coefficient | 1.000      |
| Winter Volumetric Runoff Coefficient | 1.000      |
| Depression Storage (mm)              | 40         |
| Evapotranspiration (mm/day)          | 1.0        |
| Decay Coefficiency                   | 0.050      |
| Time Delay (mins)                    | 120        |
| Urban Creep (%)                      | 0          |



Green Roof 28

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.015 |
|-----------|-------|

Dynamic Sizing

|                                      |            |
|--------------------------------------|------------|
| Runoff Method                        | Green Roof |
| Summer Volumetric Runoff Coefficient | 1.000      |
| Winter Volumetric Runoff Coefficient | 1.000      |
| Depression Storage (mm)              | 40         |
| Evapotranspiration (mm/day)          | 1.0        |
| Decay Coefficiency                   | 0.050      |
| Time Delay (mins)                    | 120        |
| Urban Creep (%)                      | 0          |

|                                                                                                                 |                                                                                                                |                           |                                                                                     |
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|                                                                                                                 | Designed by:<br>A Jones                                                                                        | Checked by:<br>P Southern | Approved By:<br>P Southern                                                          |
|                                                                                                                 | Report Details:<br>Type: Inflows<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |                           |                                                                                     |
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Green Roof 29

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.008 |
|-----------|-------|

Dynamic Sizing

|                             |            |
|-----------------------------|------------|
| Runoff Method               | Green Roof |
| Summer Volumetric Runoff    | 1.000      |
| Coefficient                 |            |
| Winter Volumetric Runoff    | 1.000      |
| Coefficient                 |            |
| Depression Storage (mm)     | 40         |
| Evapotranspiration (mm/day) | 1.0        |
| Decay Coefficiency          | 0.050      |
| Time Delay (mins)           | 120        |
| Urban Creep (%)             | 0          |



Catchment Area New MUGA

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.063 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Canopy 01

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.008 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 0                     |



Catchment Area Cycle Stand 01

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.005 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Bio Ret 10

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.007 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 0                     |

|                                                                                                                |  |                                                                                                                 |                           |                                                                                     |  |
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|                                                                                                                |  | Approved By:<br>P Southern                                                                                      |                           |                                                                                     |  |
|                                                                                                                |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |  |



Catchment Area Bio Ret 08

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.002 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 0                     |



Catchment Area Bio Ret 09

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.003 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 0                     |



Catchment Area Bio Ret 07

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.003 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 0                     |



Catchment Area Porous Paving 02

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.012 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Bio Ret 01

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.005 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 0                     |

|                                                                                                                 |                                                                                                                |                           |                            |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|-------------------------------------------------------------------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                | Date:<br>18/03/2026                                                                                            |                           |                            |  |
|                                                                                                                 | Designed by:<br>A Jones                                                                                        | Checked by:<br>P Southern | Approved By:<br>P Southern |                                                                                     |
|                                                                                                                 | Report Details:<br>Type: Inflows<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |                           |                            |                                                                                     |
| Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                                                                                                                |                           |                            |                                                                                     |



Catchment Area Bio Ret 11

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.004 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 0                     |



Catchment Area Porous Paving 19

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.007 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Porous Parking 01

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.012 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Porous Parking 02

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.009 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Bio Ret 02

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.005 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 0                     |

|                                                                                                                |                                                                                                                 |                           |                            |
|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL               | Date:<br>18/03/2026                                                                                             |                           |                            |
|                                                                                                                | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |
| Report Details:<br>Type: Inflows<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |

The KIER logo features a stylized red and blue square icon to the left of the word "KIER" in a bold, black, serif font.



Catchment Area Bio Ret 05

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.009 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 0                     |



Catchment Area Bio Ret 06

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.007 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 0                     |



Catchment Area Porous Parking 03

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.014 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Canopy 02

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.005 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 0                     |



Catchment Area Access Road 07

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.025 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |

|                                                                                                                 |                                                                                                                |                           |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                | Date:<br>18/03/2026                                                                                            |                           |                                                                                     |
|                                                                                                                 | Designed by:<br>A Jones                                                                                        | Checked by:<br>P Southern | Approved By:<br>P Southern                                                          |
|                                                                                                                 | Report Details:<br>Type: Inflows<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |                           |                                                                                     |
| Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                                                                                                                |                           |  |



Catchment Area Porous Paving 18

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.008 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Porous Paving 11

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.019 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Access Road 01

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.019 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Access Road 02

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.035 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Bus Drop Off a

Type : Catchment Area

|           |      |
|-----------|------|
| Area (ha) | 0.02 |
|-----------|------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |

|                                                                                                                |  |                                                                                                                 |                           |                                                                                     |  |
|----------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|--|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL               |  | Date:<br>18/03/2026                                                                                             |                           |  |  |
| Report Details:<br>Type: Inflows<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     |  |
|                                                                                                                |  | Approved By:<br>P Southern                                                                                      |                           |                                                                                     |  |
|                                                                                                                |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |  |



Catchment Area Porous Paving 05

Type : Catchment Area

|           |      |
|-----------|------|
| Area (ha) | 0.01 |
|-----------|------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Porous Paving 06

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.011 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Access Road 03

Type : Catchment Area

|           |      |
|-----------|------|
| Area (ha) | 0.01 |
|-----------|------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Access Road 04

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.027 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Access Road 06

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.011 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |

|                                                                                                                 |                                                                                                                |                           |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                | Date:<br>18/03/2026                                                                                            |                           |                                                                                     |
|                                                                                                                 | Designed by:<br>A Jones                                                                                        | Checked by:<br>P Southern | Approved By:<br>P Southern                                                          |
|                                                                                                                 | Report Details:<br>Type: Inflows<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |                           |                                                                                     |
| Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                                                                                                                |                           |  |



Catchment Area Porous Paving 07

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.018 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Porous Paving 08

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.016 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Porous Paving 09

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.014 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Cycle Stand 03

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.006 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Cycle Stand 02

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.008 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |

|                                                                                                                |                                                                                                                 |                           |                            |                                                                                     |
|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|-------------------------------------------------------------------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL               | Date:<br>18/03/2026                                                                                             |                           |                            |  |
|                                                                                                                | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |                                                                                     |
| Report Details:<br>Type: Inflows<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |                                                                                     |



Catchment Area Porous Paving 10

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.007 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Porous Paving 17

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.018 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Porous Paving 16

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.005 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Porous Paving 15

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.004 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Porous Paving 13

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.004 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |

|                                                                                                                 |                                                                                                                |                           |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                | Date:<br>18/03/2026                                                                                            |                           |                                                                                     |
|                                                                                                                 | Designed by:<br>A Jones                                                                                        | Checked by:<br>P Southern | Approved By:<br>P Southern                                                          |
|                                                                                                                 | Report Details:<br>Type: Inflows<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |                           |                                                                                     |
| Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                                                                                                                |                           |  |



Catchment Area Porous Paving 14

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.009 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Porous Paving 12

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.011 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area porous Paving 01

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.008 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Bio Ret 03

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.004 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 0                     |



Catchment Area Porous Paving 03

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.019 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |

|                                                                                                                 |                                                                                                                |                           |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                | Date:<br>18/03/2026                                                                                            |                           |                                                                                     |
|                                                                                                                 | Designed by:<br>A Jones                                                                                        | Checked by:<br>P Southern | Approved By:<br>P Southern                                                          |
|                                                                                                                 | Report Details:<br>Type: Inflows<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |                           |                                                                                     |
| Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                                                                                                                |                           |  |



Catchment Area Porous Paving 11a

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.008 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Porous Paving 17a

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.012 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Access Road 01a

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.019 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Road 02a

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.013 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Porous Paving 04a

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.009 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |

|                                                                                                                |                                                                                                                 |                           |                            |                                                                                     |
|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|-------------------------------------------------------------------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL               | Date:<br>18/03/2026                                                                                             |                           |                            |  |
|                                                                                                                | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |                                                                                     |
| Report Details:<br>Type: Inflows<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |                                                                                     |
|                                                                                                                |                                                                                                                 |                           |                            |                                                                                     |



Catchment Area Porous Paving 04c

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.003 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Porous Paving 04b

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.003 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area Bio Ret 04

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.012 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 0                     |



Catchment Area Bus Drop Off b

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.019 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area - Ex Runoff from Sloped Areas

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.115 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 0.300                 |
| Winter Volumetric Runoff     | 0.300                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 0                     |

|                                                                                                                 |                                                                                                                |                           |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                | Date:<br>18/03/2026                                                                                            |                           |                                                                                     |
|                                                                                                                 | Designed by:<br>A Jones                                                                                        | Checked by:<br>P Southern | Approved By:<br>P Southern                                                          |
|                                                                                                                 | Report Details:<br>Type: Inflows<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |                           |                                                                                     |
| Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                                                                                                                |                           |  |



Catchment Area - Tennis Courts

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.178 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 0                     |



Green Roof 20

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.016 |
|-----------|-------|

Dynamic Sizing

|                             |            |
|-----------------------------|------------|
| Runoff Method               | Green Roof |
| Summer Volumetric Runoff    | 1.000      |
| Coefficient                 |            |
| Winter Volumetric Runoff    | 1.000      |
| Coefficient                 |            |
| Depression Storage (mm)     | 40         |
| Evapotranspiration (mm/day) | 1.0        |
| Decay Coefficiency          | 0.050      |
| Time Delay (mins)           | 120        |
| Urban Creep (%)             | 0          |



Green Roof 26

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.022 |
|-----------|-------|

Dynamic Sizing

|                             |            |
|-----------------------------|------------|
| Runoff Method               | Green Roof |
| Summer Volumetric Runoff    | 1.000      |
| Coefficient                 |            |
| Winter Volumetric Runoff    | 1.000      |
| Coefficient                 |            |
| Depression Storage (mm)     | 40         |
| Evapotranspiration (mm/day) | 1.0        |
| Decay Coefficiency          | 0.050      |
| Time Delay (mins)           | 120        |
| Urban Creep (%)             | 0          |



Green Roof 30

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.018 |
|-----------|-------|

Dynamic Sizing

|                             |            |
|-----------------------------|------------|
| Runoff Method               | Green Roof |
| Summer Volumetric Runoff    | 1.000      |
| Coefficient                 |            |
| Winter Volumetric Runoff    | 1.000      |
| Coefficient                 |            |
| Depression Storage (mm)     | 40         |
| Evapotranspiration (mm/day) | 1.0        |
| Decay Coefficiency          | 0.050      |
| Time Delay (mins)           | 120        |
| Urban Creep (%)             | 0          |

|                                                                                                                 |                                                                                                                |                           |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                | Date:<br>18/03/2026                                                                                            |                           |                                                                                     |
|                                                                                                                 | Designed by:<br>A Jones                                                                                        | Checked by:<br>P Southern | Approved By:<br>P Southern                                                          |
|                                                                                                                 | Report Details:<br>Type: Inflows<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |                           |                                                                                     |
| Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                                                                                                                |                           |  |



Green Roof 31

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.014 |
|-----------|-------|

Dynamic Sizing

|                                      |            |
|--------------------------------------|------------|
| Runoff Method                        | Green Roof |
| Summer Volumetric Runoff Coefficient | 1.000      |
| Winter Volumetric Runoff Coefficient | 1.000      |
| Depression Storage (mm)              | 40         |
| Evapotranspiration (mm/day)          | 1.0        |
| Decay Coefficiency                   | 0.050      |
| Time Delay (mins)                    | 120        |
| Urban Creep (%)                      | 0          |



Green Roof 15

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.007 |
|-----------|-------|

Dynamic Sizing

|                                      |            |
|--------------------------------------|------------|
| Runoff Method                        | Green Roof |
| Summer Volumetric Runoff Coefficient | 1.000      |
| Winter Volumetric Runoff Coefficient | 1.000      |
| Depression Storage (mm)              | 40         |
| Evapotranspiration (mm/day)          | 1.0        |
| Decay Coefficiency                   | 0.050      |
| Time Delay (mins)                    | 120        |
| Urban Creep (%)                      | 0          |



Green Roof 14

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.012 |
|-----------|-------|

Dynamic Sizing

|                                      |            |
|--------------------------------------|------------|
| Runoff Method                        | Green Roof |
| Summer Volumetric Runoff Coefficient | 1.000      |
| Winter Volumetric Runoff Coefficient | 1.000      |
| Depression Storage (mm)              | 40         |
| Evapotranspiration (mm/day)          | 1.0        |
| Decay Coefficiency                   | 0.050      |
| Time Delay (mins)                    | 120        |
| Urban Creep (%)                      | 0          |



Green Roof 13

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.009 |
|-----------|-------|

Dynamic Sizing

|                                      |            |
|--------------------------------------|------------|
| Runoff Method                        | Green Roof |
| Summer Volumetric Runoff Coefficient | 1.000      |
| Winter Volumetric Runoff Coefficient | 1.000      |
| Depression Storage (mm)              | 40         |
| Evapotranspiration (mm/day)          | 1.0        |
| Decay Coefficiency                   | 0.050      |
| Time Delay (mins)                    | 120        |
| Urban Creep (%)                      | 0          |

|                                                                                                                 |                                                                                                                |                           |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                | Date:<br>18/03/2026                                                                                            |                           |                                                                                     |
|                                                                                                                 | Designed by:<br>A Jones                                                                                        | Checked by:<br>P Southern | Approved By:<br>P Southern                                                          |
|                                                                                                                 | Report Details:<br>Type: Inflows<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |                           |                                                                                     |
| Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                                                                                                                |                           |  |



Green Roof 10

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.011 |
|-----------|-------|

Dynamic Sizing

|                                      |            |
|--------------------------------------|------------|
| Runoff Method                        | Green Roof |
| Summer Volumetric Runoff Coefficient | 1.000      |
| Winter Volumetric Runoff Coefficient | 1.000      |
| Depression Storage (mm)              | 40         |
| Evapotranspiration (mm/day)          | 1.0        |
| Decay Coefficiency                   | 0.050      |
| Time Delay (mins)                    | 120        |
| Urban Creep (%)                      | 0          |



Green Roof 23

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.016 |
|-----------|-------|

Dynamic Sizing

|                                      |            |
|--------------------------------------|------------|
| Runoff Method                        | Green Roof |
| Summer Volumetric Runoff Coefficient | 1.000      |
| Winter Volumetric Runoff Coefficient | 1.000      |
| Depression Storage (mm)              | 40         |
| Evapotranspiration (mm/day)          | 1.0        |
| Decay Coefficiency                   | 0.050      |
| Time Delay (mins)                    | 120        |
| Urban Creep (%)                      | 0          |



Catchment Area (Mid Access Rd N)

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.014 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |



Catchment Area (Mid Access Rd S)

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.009 |
|-----------|-------|

Dynamic Sizing

|                              |                       |
|------------------------------|-----------------------|
| Runoff Method                | Time of Concentration |
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |
| Urban Creep (%)              | 10                    |

|                                                                                                  |                                                                                                                 |                           |                            |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL | Date:<br>18/03/2026                                                                                             |                           |                            |
|                                                                                                  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |
|                                                                                                  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |



Report Details:  
Type: Junctions  
Storm Phase: Mercia New Building to Bretby Rd\_Surface\_Stage5\_LLFA Planning

| Name                    | Junction Type   | Easting (m) | Northing (m) | Cover Level (m) | Depth (m) | Invert Level (m) | Chamber Shape | Diameter (m) | Diameter (m) | Width (m) | Lock |
|-------------------------|-----------------|-------------|--------------|-----------------|-----------|------------------|---------------|--------------|--------------|-----------|------|
| SW01                    | Manhole         | 428439.408  | 321107.757   | 109.665         | 1.000     | 108.665          | Circular      | 0.450        |              |           | None |
| SW02                    | Manhole         | 428424.393  | 321078.988   | 109.500         | 1.300     | 108.200          | Circular      | 1.050        |              |           | None |
| SW04                    | Manhole         | 428464.289  | 321057.269   | 109.700         | 1.702     | 107.998          | Circular      | 0.600        |              |           | None |
| SW05                    | Manhole         | 428465.611  | 321053.239   | 109.700         | 1.721     | 107.979          | Circular      | 1.200        |              |           | None |
| SW06                    | Manhole         | 428445.066  | 321045.831   | 109.700         | 1.818     | 107.882          | Circular      | 0.600        |              |           | None |
| SW08                    | Manhole         | 428426.319  | 321038.994   | 109.701         | 2.501     | 107.200          | Circular      | 1.200        |              |           | All  |
| SW07                    | Manhole         | 428432.558  | 321050.901   | 109.703         | 1.503     | 108.200          | Circular      | 0.450        |              |           | None |
| SW10                    | Manhole         | 428457.751  | 321101.031   | 109.607         | 1.217     | 108.390          | Circular      | 0.600        |              |           | None |
| SW11                    | Manhole         | 428493.614  | 321082.160   | 109.609         | 1.399     | 108.210          | Circular      | 1.200        |              |           | None |
| SW12                    | Manhole         | 428514.152  | 321071.175   | 109.800         | 1.694     | 108.106          | Circular      | 1.200        |              |           | None |
| SW14                    | Manhole         | 428540.052  | 321056.975   | 108.350         | 2.333     | 106.018          | Circular      | 1.200        |              |           | None |
| SW13                    | Manhole         | 428559.563  | 321060.726   | 107.800         | 1.715     | 106.085          | Circular      | 1.200        |              |           | None |
| SW15                    | Manhole         | 428530.100  | 321038.467   | 108.100         | 2.152     | 105.948          | Circular      | 1.200        |              |           | None |
| SW19 FC                 | Manhole         | 428476.540  | 321026.261   | 109.612         | 4.137     | 105.475          | Circular      | 1.200        |              |           | None |
| SW18                    | Manhole         | 428454.098  | 321018.284   | 109.652         | 3.445     | 106.207          | Circular      | 1.200        |              |           | None |
| SW17                    | Manhole         | 428431.503  | 321010.208   | 109.661         | 3.374     | 106.287          | Circular      | 1.200        |              |           | None |
| SW09                    | Manhole         | 428415.320  | 321018.161   | 109.064         | 2.714     | 106.350          | Circular      | 1.200        |              |           | None |
| SW03                    | Manhole         | 428443.640  | 321068.593   | 109.465         | 1.362     | 108.103          | Circular      | 0.600        |              |           | None |
| SW23 FC                 | Manhole         | 428426.290  | 321110.873   | 111.750         | 0.900     | 110.850          | Circular      | 0.600        |              |           | None |
| SW24                    | Manhole         | 428416.440  | 321092.062   | 110.410         | 0.750     | 109.660          | Circular      | 0.450        |              |           | None |
| SW01a                   | Manhole         | 428427.969  | 321085.840   | 109.673         | 1.255     | 108.418          | Circular      | 0.450        |              |           | None |
| SW20                    | Manhole         | 428486.027  | 321004.615   | 107.650         | 3.680     | 103.970          | Circular      | 1.200        |              |           | None |
| SW21                    | Manhole         | 428505.285  | 320993.591   | 104.950         | 1.240     | 103.710          | Circular      | 0.450        |              |           | None |
| SW22                    | Manhole         | 428512.315  | 320975.235   | 104.700         | 1.240     | 103.460          | Circular      | 0.450        |              |           | None |
| EX.SW08 Infants&Nursery | Manhole         | 428523.314  | 320978.963   | 104.510         | 1.200     | 103.310          | Circular      | 0.450        |              |           | None |
| SW16                    | Manhole         | 428508.239  | 321037.836   | 109.650         | 1.050     | 108.600          | Circular      | 0.450        |              |           | None |
| Ex SWMH49               | Manhole         | 428527.604  | 321106.788   | 110.474         | 1.194     | 109.280          | Rectangular   |              | 1.200        | 0.600     | All  |
| SW12A                   | Manhole         | 428515.978  | 321086.049   | 109.800         | 0.916     | 108.884          | Circular      | 0.450        |              |           | None |
| Simple Junction         | Simple Junction | 428477.565  | 321023.921   |                 |           |                  |               |              |              |           |      |

Inlets

| Junction | Inlet Name | Incoming Item(s)                                                                  | Bypass Destination | Capacity Type  |
|----------|------------|-----------------------------------------------------------------------------------|--------------------|----------------|
| SW01     | Inlet      | Green Roof 24                                                                     | (None)             | No Restriction |
| SW02     | Inlet      | Pipe (36) SW01A-SW02                                                              | (None)             | No Restriction |
|          | Inlet (1)  | Green Roof 22<br>Pipe (19) BR11 Underdrain<br>Catchment Area Cycle Stand 01       | (None)             | No Restriction |
|          | Inlet (2)  | Pipe (52) BR11 Overflow                                                           | (None)             | No Restriction |
| SW04     | Inlet      | Green Roof 18                                                                     | (None)             | No Restriction |
|          | Inlet (1)  | Pipe (16) SW03-SW04                                                               | (None)             | No Restriction |
|          | Inlet (2)  | No Delay (15) PorousPaving17-SW04                                                 | (None)             | No Restriction |
| SW05     | Inlet (3)  | Green Roof 19                                                                     | (None)             | No Restriction |
|          | Inlet      | Pipe (2) SW04-SW05                                                                | (None)             | No Restriction |
|          | Inlet (1)  | Green Roof 12<br>Green Roof 15<br>Green Roof 14<br>Green Roof 13                  | (None)             | No Restriction |
|          | Inlet (2)  | Green Roof 11                                                                     | (None)             | No Restriction |
|          | Inlet (4)  | Green Roof 31                                                                     | (None)             | No Restriction |
| SW06     | Inlet (5)  | Green Roof 30                                                                     | (None)             | No Restriction |
|          | Inlet      | Pipe (3) SW05-SW06                                                                | (None)             | No Restriction |
|          | Inlet (1)  | No Delay (14) PorousPaving14-SW06<br>Green Roof 10                                | (None)             | No Restriction |
|          | Inlet (2)  | Pipe (20) BR08 Underdrain                                                         | (None)             | No Restriction |
| SW08     | Inlet (3)  | Pipe (49) BR08 Overflow                                                           | (None)             | No Restriction |
|          | Inlet      | Pipe (4) SW06-SW08<br>Pipe (21) BR07 Underdrain<br>Green Roof 09<br>Green Roof 08 | (None)             | No Restriction |
|          | Inlet (1)  | Pipe (5) SW07-SW08                                                                | (None)             | No Restriction |
|          | Inlet (2)  | No Delay (12) PorousPaving11-SW08                                                 | (None)             | No Restriction |
|          | Inlet (3)  | No Delay (13) PorousPaving12-SW08                                                 | (None)             | No Restriction |
| SW07     | Inlet (4)  | Pipe (48) BR07 Overflow                                                           | (None)             | No Restriction |
|          | Inlet      | Pipe (17) BR09 Underdrain                                                         | (None)             | No Restriction |
|          | Inlet (1)  | Pipe (18) BR10 Underdrain<br>Pipe (50) BR09 Overflow                              | (None)             | No Restriction |
|          | Inlet (2)  | No Delay (26)                                                                     | (None)             | No Restriction |
| SW10     | Inlet (3)  | Pipe (51) BR10 Overflow                                                           | (None)             | No Restriction |
|          | Inlet      | Pipe (22) BR01 Underdrain                                                         | (None)             | No Restriction |
|          | Inlet (1)  | Green Roof 25                                                                     | (None)             | No Restriction |
|          | Inlet (2)  | Green Roof 26                                                                     | (None)             | No Restriction |
| SW11     | Inlet (3)  | Pipe (42) BR01 Overflow                                                           | (None)             | No Restriction |
|          | Inlet      | Pipe (6) SW10-SW11<br>Pipe (24) PorousParking02-SW11                              | (None)             | No Restriction |
|          | Inlet (1)  | Green Roof 29<br>No Delay (29)<br>PorousUnderImpAccessRd02-SW11                   | (None)             | No Restriction |
|          | Inlet (2)  | Green Roof 28                                                                     | (None)             | No Restriction |
|          | Inlet (3)  | Green Roof 27                                                                     | (None)             | No Restriction |
| SW12     | Inlet      | Pipe (7) SW11-SW12                                                                | (None)             | No Restriction |
|          | Inlet (1)  | Pipe (25) BR03 Underdrain                                                         | (None)             | No Restriction |
|          | Inlet (2)  | Pipe (26) BR02 Underdrain                                                         | (None)             | No Restriction |
|          | Inlet (3)  | No Delay (31)<br>PorousUnderImpAccessRd03-SW12viaPPCP15                           | (None)             | No Restriction |
|          | Inlet (4)  | Pipe (43) BR02 Overflow<br>Pipe (44) BR03 Overflow                                | (None)             | No Restriction |

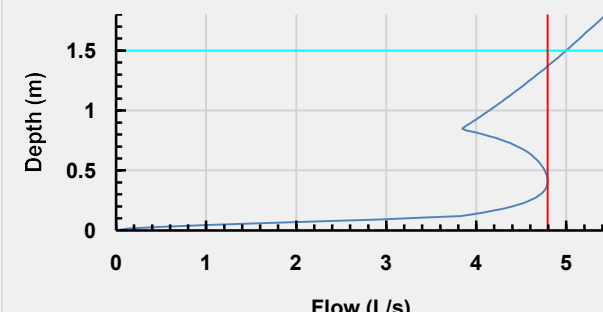
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|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|-------------------------------------------------------------------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                | Date:<br>18/03/2026                                                                                              |                           |                            |  |
|                                                                                                                 | Designed by:<br>A Jones                                                                                          | Checked by:<br>P Southern | Approved By:<br>P Southern |                                                                                     |
|                                                                                                                 | Report Details:<br>Type: Junctions<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |                           |                            |                                                                                     |
| Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                                                                                                                  |                           |                            |                                                                                     |

| Junction                | Inlet Name | Incoming Item(s)                                                                                  | Bypass Destination | Capacity Type  |
|-------------------------|------------|---------------------------------------------------------------------------------------------------|--------------------|----------------|
|                         | Inlet (5)  | Pipe (41) SW12A-SW12viaPPCP15                                                                     | (None)             | No Restriction |
| SW14                    | Inlet      | Pipe (8) SW12-SW14                                                                                | (None)             | No Restriction |
|                         | Inlet (1)  | Pipe (9) SW13-SW14<br>Pipe (27) BR05 Underdrain<br>No Delay (25)<br>PorousUnderImpAccessRd04-SW14 | (None)             | No Restriction |
|                         | Inlet (2)  | Pipe (46) BR05 Overflow                                                                           | (None)             | No Restriction |
|                         | Inlet (3)  | Pipe (47) BR06 Overflow                                                                           | (None)             | No Restriction |
|                         | Inlet (4)  | Pipe (28) BR06 Underdrain                                                                         | (None)             | No Restriction |
|                         | Inlet      | Pipe (45) BR04 Overflow                                                                           | (None)             | No Restriction |
| SW13                    | Inlet (1)  | No Delay (18)<br>PorousUnderImpBusDropoffA-SW13<br>Pipe (23) BioRet04 Underdrain                  | (None)             | No Restriction |
|                         | Inlet (4)  | No Delay (17)<br>PorousUnderImpBusDropoffB-SW13                                                   | (None)             | No Restriction |
|                         | Inlet      | Pipe (10) SW14-SW15                                                                               | (None)             | No Restriction |
| SW15                    | Inlet (1)  | No Delay (21)<br>PorousUnderImpAccessRd07-SW15                                                    | (None)             | No Restriction |
|                         | Inlet (2)  | No Delay (20) PorousParking03-SW15                                                                | (None)             | No Restriction |
|                         | Inlet (4)  | No Delay (19)<br>PorousUnderImpAccessRd06-SW15                                                    | (None)             | No Restriction |
|                         | Inlet      | Green Roof 04<br>Catchment Area Canopy 02<br>Pipe (14) SW18-SW19                                  | (None)             | No Restriction |
| SW19 FC                 | Inlet (1)  | Green Roof 05<br>No Delay (6) PorousPaving07-SW19                                                 | (None)             | No Restriction |
|                         | Inlet (2)  | Pipe (30) TANK2-SW19                                                                              | (None)             | No Restriction |
|                         | Inlet (3)  | Pipe (29) SW16-SW19                                                                               | (None)             | No Restriction |
|                         | Inlet      | Catchment Area Cycle Stand 03                                                                     | (None)             | No Restriction |
| SW18                    | Inlet (1)  | No Delay (23) PorousPaving09-SW18<br>Pipe (13) SW17-SW18                                          | (None)             | No Restriction |
|                         | Inlet (2)  | Green Roof 03                                                                                     | (None)             | No Restriction |
|                         | Inlet (3)  | Catchment Area Cycle Stand 02<br>Green Roof 02                                                    | (None)             | No Restriction |
|                         | Inlet      | Green Roof 01                                                                                     | (None)             | No Restriction |
| SW17                    | Inlet (1)  | No Delay (16) PorousPaving10-SW17<br>Pipe (12) TANK1-SW17                                         | (None)             | No Restriction |
|                         | Inlet      | Pipe (15) SW08-SW09                                                                               | (None)             | No Restriction |
| SW09                    | Inlet      | Pipe (15) SW08-SW09                                                                               | (None)             | No Restriction |
| SW03                    | Inlet      | Pipe (1) SW02-SW03<br>Catchment Area Canopy 01<br>No Delay (27) PorousPaving17a-SW03              | (None)             | No Restriction |
|                         | Inlet (1)  | Green Roof 21                                                                                     | (None)             | No Restriction |
|                         | Inlet (2)  | Green Roof 20                                                                                     | (None)             | No Restriction |
| SW23 FC                 | Inlet (1)  | Pipe (33) PorousPavingMUGA (TennisCourts)-SW23                                                    | (None)             | No Restriction |
| SW24                    | Inlet      | Pipe (34) Sw23-24                                                                                 | (None)             | No Restriction |
| SW01a                   | Inlet      | Pipe SW01-SW01A                                                                                   | (None)             | No Restriction |
|                         | Inlet (1)  | Pipe (35) Sw24-SW01a                                                                              | (None)             | No Restriction |
|                         | Inlet (4)  | Green Roof 23                                                                                     | (None)             | No Restriction |
| SW20                    | Inlet      | Pipe (37) (1) SW19 FC Outfall                                                                     | (None)             | No Restriction |
| SW21                    | Inlet      | Pipe (38) SW20-SW21                                                                               | (None)             | No Restriction |
| SW22                    | Inlet      | Pipe (39) SW21-SW22                                                                               | (None)             | No Restriction |
| EX.SW08 Infants&Nursery | Inlet      | Pipe (40) SW22-ExSW08                                                                             | (None)             | No Restriction |
| SW16                    | Inlet      | Green Roof 07                                                                                     | (None)             | No Restriction |
|                         | Inlet (1)  | Green Roof 06                                                                                     | (None)             | No Restriction |
| Ex SWMH49               | Inlet      | Catchment Area (Mid Access Rd N)                                                                  | (None)             | No Restriction |
| SW12A                   | Inlet      | Pipe (32) ExSWMH49-SW12A                                                                          | (None)             | No Restriction |
| Simple Junction         | Inlet      | Pipe (37) SW19 FC Outfall                                                                         | (None)             | No Restriction |
|                         | Inlet (1)  | Pipe (41) SW19 Overflow                                                                           | (None)             | No Restriction |

|                                                                                                  |                                                                                                                 |                           |                            |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL | Date:<br>18/03/2026                                                                                             |                           |                            |
|                                                                                                  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |
|                                                                                                  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |



Report Details:  
Type: Junctions  
Storm Phase: Mercia New Building to Bretby Rd\_Surface\_Stage5\_LLFA Planning

| Outlets         |                                                                                      |                                        |                               |                     |
|-----------------|--------------------------------------------------------------------------------------|----------------------------------------|-------------------------------|---------------------|
| Junction        | Outlet Name                                                                          |                                        | Outgoing Connection           | Outlet Type         |
| SW01            | Outlet                                                                               |                                        | Pipe SW01-SW01A               | Free Discharge      |
| SW02            | Outlet                                                                               |                                        | Pipe (1) SW02-SW03            | Free Discharge      |
| SW04            | Outlet                                                                               |                                        | Pipe (2) SW04-SW05            | Free Discharge      |
| SW05            | Outlet                                                                               |                                        | Pipe (3) SW05-SW06            | Free Discharge      |
| SW06            | Outlet                                                                               |                                        | Pipe (4) SW06-SW08            | Free Discharge      |
| SW08            | Outlet                                                                               |                                        | Pipe (15) SW08-SW09           | Free Discharge      |
| SW07            | Outlet                                                                               |                                        | Pipe (5) SW07-SW08            | Free Discharge      |
| SW10            | Outlet                                                                               |                                        | Pipe (6) SW10-SW11            | Free Discharge      |
| SW11            | Outlet                                                                               |                                        | Pipe (7) SW11-SW12            | Free Discharge      |
| SW12            | Outlet                                                                               |                                        | Pipe (8) SW12-SW14            | Free Discharge      |
| SW14            | Outlet                                                                               |                                        | Pipe (10) SW14-SW15           | Free Discharge      |
| SW13            | Outlet                                                                               |                                        | Pipe (9) SW13-SW14            | Free Discharge      |
| SW15            | Outlet                                                                               |                                        | Pipe (11) SW15-TANK2          | Free Discharge      |
| SW19 FC         | Outlet                                                                               |                                        | Pipe (41) SW19 Overflow       | Free Discharge      |
|                 | Outlet (1)                                                                           |                                        | Pipe (37) SW19 FC Outfall     | Hydro-Brake®        |
|                 | Invert Level (m)                                                                     |                                        | 105.475                       |                     |
|                 | Design Depth (m)                                                                     |                                        | 1.500                         |                     |
|                 | Design Flow (L/s)                                                                    |                                        | 5.0                           |                     |
|                 | Objective                                                                            | Minimise Upstream Storage Requirements |                               |                     |
|                 | Application                                                                          | Surface Water Only                     |                               |                     |
|                 | Sump Available                                                                       | <input checked="" type="checkbox"/>    |                               |                     |
|                 | Flush Flow (L/s)                                                                     | 4.794                                  |                               |                     |
|                 | Unit Reference                                                                       | SFF-0098-5000-1500-4794                |                               |                     |
|                 |  |                                        |                               |                     |
|                 | SW18                                                                                 | Outlet                                 |                               | Pipe (14) SW18-SW19 |
| SW17            | Outlet                                                                               |                                        | Pipe (13) SW17-SW18           | Free Discharge      |
| SW09            | Outlet                                                                               |                                        | Pipe (31) SW09-TANK1          | Free Discharge      |
| SW03            | Outlet                                                                               |                                        | Pipe (16) SW03-SW04           | Free Discharge      |
| SW23 FC         | Outlet                                                                               |                                        | Pipe (34) Sw23-24             | Orifice             |
|                 | Diameter (m)                                                                         |                                        | 0.028                         |                     |
|                 | Coefficient of Discharge                                                             |                                        | 0.600                         |                     |
|                 | Invert Level (m)                                                                     |                                        | 110.850                       |                     |
| SW24            | Outlet                                                                               |                                        | Pipe (35) Sw24-SW01a          | Free Discharge      |
| SW01a           | Outlet                                                                               |                                        | Pipe (36) SW01A-SW02          | Free Discharge      |
| SW20            | Outlet                                                                               |                                        | Pipe (38) SW20-SW21           | Free Discharge      |
| SW21            | Outlet                                                                               |                                        | Pipe (39) SW21-SW22           | Free Discharge      |
| SW22            | Outlet                                                                               |                                        | Pipe (40) SW22-ExSW08         | Free Discharge      |
| SW16            | Outlet                                                                               |                                        | Pipe (29) SW16-SW19           | Free Discharge      |
| Ex SWMH49       | Outlet                                                                               |                                        | Pipe (32) ExSWMH49-SW12A      | Free Discharge      |
| SW12A           | Outlet                                                                               |                                        | Pipe (41) SW12A-SW12viaPPCP15 | Free Discharge      |
| Simple Junction | Outlet                                                                               |                                        | Pipe (37) (1) SW19 FC Oufall  | Free Discharge      |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     |
|                                                                                                                            |  | Approved By:<br>P Southern                                                                                      |                           |                                                                                     |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |



Bioretention 01

Type : Bioretention

Ponding Area

|                        |             |
|------------------------|-------------|
| Exceedance Level (m)   | 109.602     |
| Depth (m)              | 0.152       |
| Base Level (m)         | 109.450     |
| Top Area (m²)          | 50.90       |
| Side Slope (1:X)       | 4.00        |
| Base Area (m²)         | 33.27       |
| Freeboard (mm)         | 100         |
| Porosity (%)           | 95          |
| Length (m)             | 14.524      |
| Long. Slope (1:X)      | 500.00      |
| Filtration Rate (m/hr) | 0.405       |
| Friction Scheme        | Manning's n |
| n                      | 0.03        |
| Total Volume (m³)      | 13.175      |

Filter Area

|                |         |
|----------------|---------|
| Base Level (m) | 108.450 |
|----------------|---------|

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 100         |
| No. of Barrels        | 1           |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |
| Release Height (m)    | 0.000       |

Filtration Layers

| Use                                 | Name    | Filtration Layer Depth (mm) | Porosity (%) | Conductivity (m/hr) | Soil Type |
|-------------------------------------|---------|-----------------------------|--------------|---------------------|-----------|
| <input checked="" type="checkbox"/> | Soil    | 800                         | 35           | 0.405               | Soil Type |
|                                     | Storage | 200                         | 30           | 200.0               |           |

Inlets

Inlet

|                    |                           |
|--------------------|---------------------------|
| Inlet Type         | Lateral Inflow            |
| Incoming Item(s)   | Catchment Area Bio Ret 01 |
| Bypass Destination | (None)                    |
| Inlet Destination  | Ponding Area              |
| Capacity Type      | No Restriction            |

Inlet (2)

|                    |                              |
|--------------------|------------------------------|
| Inlet Type         | Lateral Inflow               |
| Incoming Item(s)   | No Delay PorousPaving01-BR01 |
| Bypass Destination | (None)                       |
| Inlet Destination  | Subsurface Area              |
| Capacity Type      | No Restriction               |

Outlets

Outlet

|                     |                           |
|---------------------|---------------------------|
| Outgoing Connection | Pipe (22) BR01 Underdrain |
| Outlet Type         | Under Drain               |

Outlet (1)

|                     |                         |
|---------------------|-------------------------|
| Outgoing Connection | Pipe (42) BR01 Overflow |
| Outlet Type         | Free Discharge          |

Advanced

Ponding Area

|                    |        |
|--------------------|--------|
| Base Perimeter (m) | 33.630 |
| Top Perimeter (m)  | 36.058 |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     |
|                                                                                                                            |  | Approved By:<br>P Southern                                                                                      |                           |                                                                                     |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |



Bioretention 03

Type : Bioretention

Ponding Area

|                        |             |
|------------------------|-------------|
| Exceedance Level (m)   | 109.600     |
| Depth (m)              | 0.150       |
| Base Level (m)         | 109.450     |
| Top Area (m²)          | 37.44       |
| Side Slope (1:X)       | 4.00        |
| Base Area (m²)         | 27.60       |
| Freeboard (mm)         | 100         |
| Porosity (%)           | 95          |
| Length (m)             | 8.201       |
| Long. Slope (1:X)      | 500.00      |
| Filtration Rate (m/hr) | 0.405       |
| Friction Scheme        | Manning's n |
| n                      | 0.03        |
| Total Volume (m³)      | 10.817      |

Filter Area

|                |         |
|----------------|---------|
| Base Level (m) | 108.450 |
|----------------|---------|

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 100         |
| No. of Barrels        | 1           |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |
| Release Height (m)    | 0.000       |

Filtration Layers

| Use                                 | Name    | Filtration Layer Depth (mm) | Porosity (%) | Conductivity (m/hr) | Soil Type |
|-------------------------------------|---------|-----------------------------|--------------|---------------------|-----------|
| <input checked="" type="checkbox"/> | Soil    | 800                         | 35           | 0.405               | Soil Type |
|                                     | Storage | 200                         | 30           | 200.0               |           |

Inlets

Inlet

|                    |                           |
|--------------------|---------------------------|
| Inlet Type         | Lateral Inflow            |
| Incoming Item(s)   | Catchment Area Bio Ret 03 |
| Bypass Destination | (None)                    |
| Inlet Destination  | Ponding Area              |
| Capacity Type      | No Restriction            |

Inlet (1)

|                    |                                  |
|--------------------|----------------------------------|
| Inlet Type         | Lateral Inflow                   |
| Incoming Item(s)   | No Delay (5) PorousPaving03-BR03 |
| Bypass Destination | (None)                           |
| Inlet Destination  | Subsurface Area                  |
| Capacity Type      | No Restriction                   |

Inlet (2)

|                    |                  |
|--------------------|------------------|
| Inlet Type         | Point Inflow     |
| Incoming Item(s)   | Green Roof 16&17 |
| Bypass Destination | (None)           |
| Inlet Destination  | Subsurface Area  |
| Capacity Type      | No Restriction   |

Outlets

Outlet

|                     |                           |
|---------------------|---------------------------|
| Outgoing Connection | Pipe (25) BR03 Underdrain |
| Outlet Type         | Under Drain               |

Outlet (1)

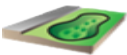
|                     |                         |
|---------------------|-------------------------|
| Outgoing Connection | Pipe (44) BR03 Overflow |
| Outlet Type         | Free Discharge          |

Advanced

Ponding Area

|                    |        |
|--------------------|--------|
| Base Perimeter (m) | 23.132 |
| Top Perimeter (m)  | 25.532 |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     |
|                                                                                                                            |  | Approved By:<br>P Southern                                                                                      |                           |                                                                                     |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |



Bioretention 02

Type : Bioretention

Ponding Area

|                        |             |
|------------------------|-------------|
| Exceedance Level (m)   | 109.603     |
| Depth (m)              | 0.150       |
| Base Level (m)         | 109.453     |
| Top Area (m²)          | 48.81       |
| Side Slope (1:X)       | 4.00        |
| Base Area (m²)         | 29.82       |
| Freeboard (mm)         | 100         |
| Porosity (%)           | 95          |
| Length (m)             | 15.821      |
| Long. Slope (1:X)      | 500.00      |
| Filtration Rate (m/hr) | 0.405       |
| Friction Scheme        | Manning's n |
| n                      | 0.03        |
| Total Volume (m³)      | 11.794      |

Filter Area

|                |         |
|----------------|---------|
| Base Level (m) | 108.453 |
|----------------|---------|

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 100         |
| No. of Barrels        | 1           |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |
| Release Height (m)    | 0.000       |

Filtration Layers

| Use                                 | Name    | Filtration Layer Depth (mm) | Porosity (%) | Conductivity (m/hr) | Soil Type |
|-------------------------------------|---------|-----------------------------|--------------|---------------------|-----------|
| <input checked="" type="checkbox"/> | Soil    | 800                         | 35           | 0.405               | Soil Type |
|                                     | Storage | 200                         | 30           | 200.0               |           |

Inlets

Inlet (1)

|                    |                           |
|--------------------|---------------------------|
| Inlet Type         | Lateral Inflow            |
| Incoming Item(s)   | Catchment Area Bio Ret 02 |
| Bypass Destination | (None)                    |
| Inlet Destination  | Ponding Area              |
| Capacity Type      | No Restriction            |

Inlet

|                    |                                                     |
|--------------------|-----------------------------------------------------|
| Inlet Type         | Point Inflow                                        |
| Incoming Item(s)   | No Delay (30)<br>PorousUnderImpAccessRd02<br>a-BR02 |
| Bypass Destination | (None)                                              |
| Inlet Destination  | Subsurface Area                                     |
| Capacity Type      | No Restriction                                      |

Outlets

Outlet

|                     |                           |
|---------------------|---------------------------|
| Outgoing Connection | Pipe (26) BR02 Underdrain |
| Outlet Type         | Under Drain               |

Outlet (1)

|                     |                         |
|---------------------|-------------------------|
| Outgoing Connection | Pipe (43) BR02 Overflow |
| Outlet Type         | Free Discharge          |

Advanced

Ponding Area

|                    |        |
|--------------------|--------|
| Base Perimeter (m) | 35.412 |
| Top Perimeter (m)  | 37.812 |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     |
|                                                                                                                            |  | Approved By:<br>P Southern                                                                                      |                           |                                                                                     |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |



Bioretention 05

Type : Bioretention

Ponding Area

|                        |             |
|------------------------|-------------|
| Exceedance Level (m)   | 108.665     |
| Depth (m)              | 0.150       |
| Base Level (m)         | 108.515     |
| Top Area (m²)          | 70.70       |
| Side Slope (1:X)       | 4.00        |
| Base Area (m²)         | 51.37       |
| Freeboard (mm)         | 100         |
| Porosity (%)           | 95          |
| Length (m)             | 16.107      |
| Long. Slope (1:X)      | 500.00      |
| Filtration Rate (m/hr) | 0.405       |
| Friction Scheme        | Manning's n |
| n                      | 0.03        |
| Total Volume (m³)      | 20.147      |

Filter Area

|                |         |
|----------------|---------|
| Base Level (m) | 107.515 |
|----------------|---------|

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 100         |
| No. of Barrels        | 1           |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |
| Release Height (m)    | 0.000       |

Filtration Layers

| Use                                 | Name    | Filtration Layer Depth (mm) | Porosity (%) | Conductivity (m/hr) | Soil Type |
|-------------------------------------|---------|-----------------------------|--------------|---------------------|-----------|
| <input checked="" type="checkbox"/> | Soil    | 800                         | 35           | 0.405               | Soil Type |
|                                     | Storage | 200                         | 30           | 200.0               |           |

Inlets

Inlet (1)

|                    |                           |
|--------------------|---------------------------|
| Inlet Type         | Lateral Inflow            |
| Incoming Item(s)   | Catchment Area Bio Ret 05 |
| Bypass Destination | (None)                    |
| Inlet Destination  | Ponding Area              |
| Capacity Type      | No Restriction            |

Inlet

|                    |                                  |
|--------------------|----------------------------------|
| Inlet Type         | Lateral Inflow                   |
| Incoming Item(s)   | No Delay (3) PorousPaving05-BR05 |
| Bypass Destination | (None)                           |
| Inlet Destination  | Subsurface Area                  |
| Capacity Type      | No Restriction                   |

Outlets

Outlet

|                     |                           |
|---------------------|---------------------------|
| Outgoing Connection | Pipe (27) BR05 Underdrain |
| Outlet Type         | Under Drain               |

Outlet (1)

|                     |                         |
|---------------------|-------------------------|
| Outgoing Connection | Pipe (46) BR05 Overflow |
| Outlet Type         | Free Discharge          |

Advanced

Ponding Area

|                    |        |
|--------------------|--------|
| Base Perimeter (m) | 38.592 |
| Top Perimeter (m)  | 40.992 |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     |
|                                                                                                                            |  | Approved By:<br>P Southern                                                                                      |                           |                                                                                     |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |



Bioretention 06

Type : Bioretention

Ponding Area

|                        |             |
|------------------------|-------------|
| Exceedance Level (m)   | 109.400     |
| Depth (m)              | 0.150       |
| Base Level (m)         | 109.250     |
| Top Area (m²)          | 73.04       |
| Side Slope (1:X)       | 4.00        |
| Base Area (m²)         | 54.54       |
| Freeboard (mm)         | 100         |
| Porosity (%)           | 95          |
| Length (m)             | 15.420      |
| Long. Slope (1:X)      | 500.00      |
| Filtration Rate (m/hr) | 0.405       |
| Friction Scheme        | Manning's n |
| n                      | 0.03        |
| Total Volume (m³)      | 21.365      |

Filter Area

|                |         |
|----------------|---------|
| Base Level (m) | 108.250 |
|----------------|---------|

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 100         |
| No. of Barrels        | 1           |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |
| Release Height (m)    | 0.000       |

Filtration Layers

| Use                                 | Name    | Filtration Layer Depth (mm) | Porosity (%) | Conductivity (m/hr) | Soil Type |
|-------------------------------------|---------|-----------------------------|--------------|---------------------|-----------|
| <input checked="" type="checkbox"/> | Soil    | 800                         | 35           | 0.405               | Soil Type |
|                                     | Storage | 200                         | 30           | 200.0               |           |

Inlets

Inlet (1)

|                    |                           |
|--------------------|---------------------------|
| Inlet Type         | Lateral Inflow            |
| Incoming Item(s)   | Catchment Area Bio Ret 06 |
| Bypass Destination | (None)                    |
| Inlet Destination  | Ponding Area              |
| Capacity Type      | No Restriction            |

Inlet

|                    |                                  |
|--------------------|----------------------------------|
| Inlet Type         | Lateral Inflow                   |
| Incoming Item(s)   | No Delay (4) PorousPaving06-BR06 |
| Bypass Destination | (None)                           |
| Inlet Destination  | Subsurface Area                  |
| Capacity Type      | No Restriction                   |

Outlets

Outlet (1)

|                     |                           |
|---------------------|---------------------------|
| Outgoing Connection | Pipe (28) BR06 Underdrain |
| Outlet Type         | Under Drain               |

Outlet

|                     |                         |
|---------------------|-------------------------|
| Outgoing Connection | Pipe (47) BR06 Overflow |
| Outlet Type         | Free Discharge          |

Advanced

Ponding Area

|                    |        |
|--------------------|--------|
| Base Perimeter (m) | 37.914 |
| Top Perimeter (m)  | 40.314 |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |



Bioretention 07

Type : Bioretention

Ponding Area

|                        |             |
|------------------------|-------------|
| Exceedance Level (m)   | 109.600     |
| Depth (m)              | 0.150       |
| Base Level (m)         | 109.450     |
| Top Area (m²)          | 27.18       |
| Side Slope (1:X)       | 4.00        |
| Base Area (m²)         | 10.51       |
| Freeboard (mm)         | 100         |
| Porosity (%)           | 95          |
| Length (m)             | 13.886      |
| Long. Slope (1:X)      | 500.00      |
| Filtration Rate (m/hr) | 0.405       |
| Friction Scheme        | Manning's n |
| n                      | 0.03        |
| Total Volume (m³)      | 4.282       |

Filter Area

|                |         |
|----------------|---------|
| Base Level (m) | 108.450 |
|----------------|---------|

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 100         |
| No. of Barrels        | 1           |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |
| Release Height (m)    | 0.000       |

Filtration Layers

| Use                                 | Name    | Filtration Layer Depth (mm) | Porosity (%) | Conductivity (m/hr) | Soil Type |
|-------------------------------------|---------|-----------------------------|--------------|---------------------|-----------|
| <input checked="" type="checkbox"/> | Soil    | 800                         | 35           | 0.405               | Soil Type |
|                                     | Storage | 200                         | 30           | 200.0               |           |

Inlets

Inlet

|                    |                           |
|--------------------|---------------------------|
| Inlet Type         | Lateral Inflow            |
| Incoming Item(s)   | Catchment Area Bio Ret 07 |
| Bypass Destination | (None)                    |
| Inlet Destination  | Ponding Area              |
| Capacity Type      | No Restriction            |

Inlet (1)

|                    |                                  |
|--------------------|----------------------------------|
| Inlet Type         | Lateral Inflow                   |
| Incoming Item(s)   | No Delay (7) PorousPaving13-BR07 |
| Bypass Destination | (None)                           |
| Inlet Destination  | Subsurface Area                  |
| Capacity Type      | No Restriction                   |

Outlets

Outlet

|                     |                           |
|---------------------|---------------------------|
| Outgoing Connection | Pipe (21) BR07 Underdrain |
| Outlet Type         | Under Drain               |

Outlet (1)

|                     |                         |
|---------------------|-------------------------|
| Outgoing Connection | Pipe (48) BR07 Overflow |
| Outlet Type         | Free Discharge          |

Advanced

Ponding Area

|                    |        |
|--------------------|--------|
| Base Perimeter (m) | 29.286 |
| Top Perimeter (m)  | 31.686 |

|                                                                                                                 |                                                                                                                            |                           |                            |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                | Date:<br>18/03/2026                                                                                                        |                           |                            |
|                                                                                                                 | Designed by:<br>A Jones                                                                                                    | Checked by:<br>P Southern | Approved By:<br>P Southern |
|                                                                                                                 | Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |                           |                            |
| Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                                                                                                                            |                           |                            |





Bioretention 08

Type : Bioretention

Ponding Area

|                        |             |
|------------------------|-------------|
| Exceedance Level (m)   | 109.600     |
| Depth (m)              | 0.150       |
| Base Level (m)         | 109.450     |
| Top Area (m²)          | 21.21       |
| Side Slope (1:X)       | 4.00        |
| Base Area (m²)         | 8.88        |
| Freeboard (mm)         | 100         |
| Porosity (%)           | 95          |
| Length (m)             | 10.274      |
| Long. Slope (1:X)      | 500.00      |
| Filtration Rate (m/hr) | 0.405       |
| Friction Scheme        | Manning's n |
| n                      | 0.03        |
| Total Volume (m³)      | 3.595       |

Filter Area

|                |         |
|----------------|---------|
| Base Level (m) | 108.450 |
|----------------|---------|

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 100         |
| No. of Barrels        | 1           |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |
| Release Height (m)    | 0.000       |

Filtration Layers

| Use                                 | Name    | Filtration Layer Depth (mm) | Porosity (%) | Conductivity (m/hr) | Soil Type |
|-------------------------------------|---------|-----------------------------|--------------|---------------------|-----------|
| <input checked="" type="checkbox"/> | Soil    | 800                         | 35           | 0.405               | Soil Type |
|                                     | Storage | 200                         | 30           | 200.0               |           |

Inlets

Inlet

|                    |                           |
|--------------------|---------------------------|
| Inlet Type         | Lateral Inflow            |
| Incoming Item(s)   | Catchment Area Bio Ret 08 |
| Bypass Destination | (None)                    |
| Inlet Destination  | Ponding Area              |
| Capacity Type      | No Restriction            |

Inlet (2)

|                    |                                  |
|--------------------|----------------------------------|
| Inlet Type         | Lateral Inflow                   |
| Incoming Item(s)   | No Delay (8) PorousPaving15-BR08 |
| Bypass Destination | (None)                           |
| Inlet Destination  | Subsurface Area                  |
| Capacity Type      | No Restriction                   |

Outlets

Outlet

|                     |                           |
|---------------------|---------------------------|
| Outgoing Connection | Pipe (20) BR08 Underdrain |
| Outlet Type         | Under Drain               |

Outlet (1)

|                     |                         |
|---------------------|-------------------------|
| Outgoing Connection | Pipe (49) BR08 Overflow |
| Outlet Type         | Free Discharge          |

Advanced

Ponding Area

|                    |        |
|--------------------|--------|
| Base Perimeter (m) | 22.277 |
| Top Perimeter (m)  | 24.677 |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |



Bioretention 09

Type : Bioretention

Ponding Area

|                        |             |
|------------------------|-------------|
| Exceedance Level (m)   | 109.500     |
| Depth (m)              | 0.150       |
| Base Level (m)         | 109.350     |
| Top Area (m²)          | 29.88       |
| Side Slope (1:X)       | 4.00        |
| Base Area (m²)         | 16.72       |
| Freeboard (mm)         | 100         |
| Porosity (%)           | 95          |
| Length (m)             | 10.972      |
| Long. Slope (1:X)      | 500.00      |
| Filtration Rate (m/hr) | 0.405       |
| Friction Scheme        | Manning's n |
| n                      | 0.03        |
| Total Volume (m³)      | 6.642       |

Filter Area

|                |         |
|----------------|---------|
| Base Level (m) | 108.350 |
|----------------|---------|

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 100         |
| No. of Barrels        | 1           |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |
| Release Height (m)    | 0.000       |

Filtration Layers

| Use                                 | Name    | Filtration Layer Depth (mm) | Porosity (%) | Conductivity (m/hr) | Soil Type |
|-------------------------------------|---------|-----------------------------|--------------|---------------------|-----------|
| <input checked="" type="checkbox"/> | Soil    | 800                         | 35           | 0.405               | Soil Type |
|                                     | Storage | 200                         | 30           | 200.0               |           |

Inlets

Inlet

|                    |                           |
|--------------------|---------------------------|
| Inlet Type         | Lateral Inflow            |
| Incoming Item(s)   | Catchment Area Bio Ret 09 |
| Bypass Destination | (None)                    |
| Inlet Destination  | Ponding Area              |
| Capacity Type      | No Restriction            |

Inlet (1)

|                    |                                  |
|--------------------|----------------------------------|
| Inlet Type         | Lateral Inflow                   |
| Incoming Item(s)   | No Delay (9) PorousPaving16-BR09 |
| Bypass Destination | (None)                           |
| Inlet Destination  | Subsurface Area                  |
| Capacity Type      | No Restriction                   |

Outlets

Outlet

|                     |                           |
|---------------------|---------------------------|
| Outgoing Connection | Pipe (17) BR09 Underdrain |
| Outlet Type         | Under Drain               |

Outlet (1)

|                     |                         |
|---------------------|-------------------------|
| Outgoing Connection | Pipe (50) BR09 Overflow |
| Outlet Type         | Free Discharge          |

Advanced

Ponding Area

|                    |        |
|--------------------|--------|
| Base Perimeter (m) | 24.992 |
| Top Perimeter (m)  | 27.392 |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |



Bioretention 10

Type : Bioretention

Ponding Area

|                        |             |
|------------------------|-------------|
| Exceedance Level (m)   | 109.400     |
| Depth (m)              | 0.150       |
| Base Level (m)         | 109.250     |
| Top Area (m²)          | 68.39       |
| Side Slope (1:X)       | 4.00        |
| Base Area (m²)         | 48.36       |
| Freeboard (mm)         | 100         |
| Porosity (%)           | 95          |
| Length (m)             | 16.693      |
| Long. Slope (1:X)      | 500.00      |
| Filtration Rate (m/hr) | 0.405       |
| Friction Scheme        | Manning's n |
| n                      | 0.03        |
| Total Volume (m³)      | 18.988      |

Filter Area

|                |         |
|----------------|---------|
| Base Level (m) | 108.250 |
|----------------|---------|

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 100         |
| No. of Barrels        | 1           |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |
| Release Height (m)    | 0.000       |

Filtration Layers

| Use                                 | Name    | Filtration Layer Depth (mm) | Porosity (%) | Conductivity (m/hr) | Soil Type |
|-------------------------------------|---------|-----------------------------|--------------|---------------------|-----------|
| <input checked="" type="checkbox"/> | Soil    | 800                         | 35           | 0.405               | Soil Type |
|                                     | Storage | 200                         | 30           | 200.0               |           |

Inlets

Inlet

|                    |                           |
|--------------------|---------------------------|
| Inlet Type         | Lateral Inflow            |
| Incoming Item(s)   | Catchment Area Bio Ret 10 |
| Bypass Destination | (None)                    |
| Inlet Destination  | Ponding Area              |
| Capacity Type      | No Restriction            |

Inlet (2)

|                    |                                      |
|--------------------|--------------------------------------|
| Inlet Type         | Lateral Inflow                       |
| Incoming Item(s)   | No Delay (10)<br>PorousPaving18-BR10 |
| Bypass Destination | (None)                               |
| Inlet Destination  | Subsurface Area                      |
| Capacity Type      | No Restriction                       |

Outlets

Outlet

|                     |                           |
|---------------------|---------------------------|
| Outgoing Connection | Pipe (18) BR10 Underdrain |
| Outlet Type         | Under Drain               |

Outlet (1)

|                     |                         |
|---------------------|-------------------------|
| Outgoing Connection | Pipe (51) BR10 Overflow |
| Outlet Type         | Free Discharge          |

Advanced

Ponding Area

|                    |        |
|--------------------|--------|
| Base Perimeter (m) | 39.180 |
| Top Perimeter (m)  | 41.580 |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |



Bioretention 11

Type : Bioretention

Ponding Area

|                        |             |
|------------------------|-------------|
| Exceedance Level (m)   | 109.650     |
| Depth (m)              | 0.150       |
| Base Level (m)         | 109.500     |
| Top Area (m²)          | 39.66       |
| Side Slope (1:X)       | 4.00        |
| Base Area (m²)         | 26.85       |
| Freeboard (mm)         | 100         |
| Porosity (%)           | 95          |
| Length (m)             | 10.672      |
| Long. Slope (1:X)      | 500.00      |
| Filtration Rate (m/hr) | 0.405       |
| Friction Scheme        | Manning's n |
| n                      | 0.03        |
| Total Volume (m³)      | 10.565      |

Filter Area

|                |         |
|----------------|---------|
| Base Level (m) | 108.500 |
|----------------|---------|

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 100         |
| No. of Barrels        | 1           |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |
| Release Height (m)    | 0.000       |

Filtration Layers

| Use                                 | Name    | Filtration Layer Depth (mm) | Porosity (%) | Conductivity (m/hr) | Soil Type |
|-------------------------------------|---------|-----------------------------|--------------|---------------------|-----------|
| <input checked="" type="checkbox"/> | Soil    | 800                         | 35           | 0.405               | Soil Type |
|                                     | Storage | 200                         | 30           | 200.0               |           |

Inlets

Inlet

|                    |                           |
|--------------------|---------------------------|
| Inlet Type         | Lateral Inflow            |
| Incoming Item(s)   | Catchment Area Bio Ret 11 |
| Bypass Destination | (None)                    |
| Inlet Destination  | Ponding Area              |
| Capacity Type      | No Restriction            |

Inlet (1)

|                    |                                       |
|--------------------|---------------------------------------|
| Inlet Type         | Lateral Inflow                        |
| Incoming Item(s)   | No Delay (11)<br>PorousParking01-BR11 |
| Bypass Destination | (None)                                |
| Inlet Destination  | Subsurface Area                       |
| Capacity Type      | No Restriction                        |

Inlet (2)

|                    |                                      |
|--------------------|--------------------------------------|
| Inlet Type         | Lateral Inflow                       |
| Incoming Item(s)   | No Delay (28)<br>PorousPaving19-BR11 |
| Bypass Destination | (None)                               |
| Inlet Destination  | Subsurface Area                      |
| Capacity Type      | No Restriction                       |

Outlets

Outlet

|                     |                           |
|---------------------|---------------------------|
| Outgoing Connection | Pipe (19) BR11 Underdrain |
| Outlet Type         | Under Drain               |

Outlet (1)

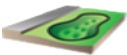
|                     |                         |
|---------------------|-------------------------|
| Outgoing Connection | Pipe (52) BR11 Overflow |
| Outlet Type         | Free Discharge          |

Advanced

Ponding Area

|                    |        |
|--------------------|--------|
| Base Perimeter (m) | 26.376 |
| Top Perimeter (m)  | 28.776 |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     |
|                                                                                                                            |  | Approved By:<br>P Southern                                                                                      |                           |                                                                                     |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |



Bioretention 04

Type : Bioretention

Ponding Area

|                        |             |
|------------------------|-------------|
| Exceedance Level (m)   | 107.550     |
| Depth (m)              | 0.150       |
| Base Level (m)         | 107.400     |
| Top Area (m²)          | 119.11      |
| Side Slope (1:X)       | 5.00        |
| Base Area (m²)         | 77.22       |
| Freeboard (mm)         | 100         |
| Porosity (%)           | 95          |
| Length (m)             | 27.923      |
| Long. Slope (1:X)      | 500.00      |
| Filtration Rate (m/hr) | 0.405       |
| Friction Scheme        | Manning's n |
| n                      | 0.03        |
| Total Volume (m³)      | 30.601      |

Filter Area

|                |         |
|----------------|---------|
| Base Level (m) | 106.400 |
|----------------|---------|

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 150         |
| No. of Barrels        | 1           |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |
| Release Height (m)    | 0.000       |

Filtration Layers

| Use                                 | Name    | Filtration Layer Depth (mm) | Porosity (%) | Conductivity (m/hr) | Soil Type |
|-------------------------------------|---------|-----------------------------|--------------|---------------------|-----------|
| <input checked="" type="checkbox"/> | Soil    | 800                         | 35           | 0.405               | Soil Type |
|                                     | Storage | 200                         | 30           | 200.0               |           |

Inlets

Inlet

|                    |                                       |
|--------------------|---------------------------------------|
| Inlet Type         | Lateral Inflow                        |
| Incoming Item(s)   | No Delay (32)<br>PorousPaving04c-BR04 |
| Bypass Destination | (None)                                |
| Inlet Destination  | Subsurface Area                       |
| Capacity Type      | No Restriction                        |

Inlet (1)

|                    |                           |
|--------------------|---------------------------|
| Inlet Type         | Lateral Inflow            |
| Incoming Item(s)   | Catchment Area Bio Ret 04 |
| Bypass Destination | (None)                    |
| Inlet Destination  | Ponding Area              |
| Capacity Type      | No Restriction            |

Inlet (2)

|                    |                                      |
|--------------------|--------------------------------------|
| Inlet Type         | Lateral Inflow                       |
| Incoming Item(s)   | No Delay (2)<br>PorousPaving04b-BR04 |
| Bypass Destination | (None)                               |
| Inlet Destination  | Subsurface Area                      |
| Capacity Type      | No Restriction                       |

Outlets

Outlet

|                          |                                  |
|--------------------------|----------------------------------|
| Outgoing Connection      | Pipe (23) BioRet04<br>Underdrain |
| Outlet Type              | Orifice                          |
| Diameter (m)             | 0.031                            |
| Coefficient of Discharge | 0.600                            |
| Invert Level (m)         | 107.400                          |

Outlet (1)

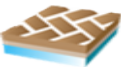
|                     |                         |
|---------------------|-------------------------|
| Outgoing Connection | Pipe (45) BR04 Overflow |
| Outlet Type         | Free Discharge          |

Advanced

Ponding Area

|                    |        |
|--------------------|--------|
| Base Perimeter (m) | 61.378 |
| Top Perimeter (m)  | 64.378 |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |



Porous Paving MUGA

Type : Porous Paving

Dimensions

|                             |         |
|-----------------------------|---------|
| Exceedance Level (m)        | 108.460 |
| Depth (m)                   | 0.450   |
| Base Level (m)              | 108.010 |
| Paving Layer Depth (mm)     | 120     |
| Membrane Percolation (m/hr) | 1.0     |
| Porosity (%)                | 30      |
| Length (m)                  | 39.030  |
| Long. Slope (1:X)           | 45.00   |
| Width (m)                   | 16.132  |
| Total Volume (m³)           | 62.402  |

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 100         |
| No. of Barrels        | 1           |
| Release Height (m)    | 0.000       |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |

Inlets

Inlet

|                    |                         |
|--------------------|-------------------------|
| Inlet Type         | Lateral Inflow          |
| Incoming Item(s)   | Catchment Area New MUGA |
| Bypass Destination | (None)                  |
| Capacity Type      | No Restriction          |

Outlets

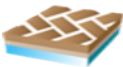
Outlet

|                     |                                         |
|---------------------|-----------------------------------------|
| Outgoing Connection | No Delay (24)<br>PorousPavingMUGA-TANK1 |
| Outlet Type         | Under Drain                             |

Advanced

|                     |       |
|---------------------|-------|
| Conductivity (m/hr) | 200.0 |
|---------------------|-------|

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |



Porous Parking 01

Type : Porous Paving

Dimensions

|                             |         |
|-----------------------------|---------|
| Exceedance Level (m)        | 109.700 |
| Depth (m)                   | 0.650   |
| Base Level (m)              | 109.050 |
| Paving Layer Depth (mm)     | 200     |
| Membrane Percolation (m/hr) | 1.0     |
| Porosity (%)                | 30      |
| Length (m)                  | 4.933   |
| Long. Slope (1:X)           | 200.00  |
| Width (m)                   | 24.277  |
| Total Volume (m³)           | 16.195  |

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 100         |
| No. of Barrels        | 1           |
| Release Height (m)    | 0.000       |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |

Inlets

Inlet (2)

|                    |                               |
|--------------------|-------------------------------|
| Inlet Type         | Lateral Inflow                |
| Incoming Item(s)   | Catchment Area Access Road 01 |
| Bypass Destination | (None)                        |
| Capacity Type      | No Restriction                |

Inlet (1)

|                    |                                  |
|--------------------|----------------------------------|
| Inlet Type         | Lateral Inflow                   |
| Incoming Item(s)   | Catchment Area Porous Parking 01 |
| Bypass Destination | (None)                           |
| Capacity Type      | No Restriction                   |

Outlets

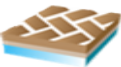
Outlet

|                     |                                    |
|---------------------|------------------------------------|
| Outgoing Connection | No Delay (11) PorousParking01-BR11 |
| Outlet Type         | Under Drain                        |

Advanced

|                     |       |
|---------------------|-------|
| Conductivity (m/hr) | 200.0 |
|---------------------|-------|

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     |
|                                                                                                                            |  | Approved By:<br>P Southern                                                                                      |                           |                                                                                     |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |



Porous Paving 01

Type : Porous Paving

Dimensions

|                             |         |
|-----------------------------|---------|
| Exceedance Level (m)        | 109.602 |
| Depth (m)                   | 0.450   |
| Base Level (m)              | 109.152 |
| Paving Layer Depth (mm)     | 200     |
| Membrane Percolation (m/hr) | 1.0     |
| Porosity (%)                | 30      |
| Length (m)                  | 22.062  |
| Long. Slope (1:X)           | 200.00  |
| Width (m)                   | 3.080   |
| Total Volume (m³)           | 5.218   |

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 100         |
| No. of Barrels        | 1           |
| Release Height (m)    | 0.000       |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |

Inlets

Inlet (1)

|                    |                                 |
|--------------------|---------------------------------|
| Inlet Type         | Lateral Inflow                  |
| Incoming Item(s)   | Catchment Area porous Paving 01 |
| Bypass Destination | (None)                          |
| Capacity Type      | No Restriction                  |

Outlets

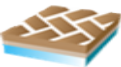
Outlet

|                     |                              |
|---------------------|------------------------------|
| Outgoing Connection | No Delay PorousPaving01-BR01 |
| Outlet Type         | Under Drain                  |

Advanced

|                     |       |
|---------------------|-------|
| Conductivity (m/hr) | 200.0 |
|---------------------|-------|

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     |
|                                                                                                                            |  | Approved By:<br>P Southern                                                                                      |                           |                                                                                     |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |



Porous Parking 02

Type : Porous Paving

Dimensions

|                             |         |
|-----------------------------|---------|
| Exceedance Level (m)        | 109.687 |
| Depth (m)                   | 0.650   |
| Base Level (m)              | 109.037 |
| Paving Layer Depth (mm)     | 200     |
| Membrane Percolation (m/hr) | 1.0     |
| Porosity (%)                | 30      |
| Length (m)                  | 4.933   |
| Long. Slope (1:X)           | 500.00  |
| Width (m)                   | 17.624  |
| Total Volume (m³)           | 11.798  |

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 150         |
| No. of Barrels        | 1           |
| Release Height (m)    | 0.000       |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |

Inlets

Inlet (1)

|                    |                                  |
|--------------------|----------------------------------|
| Inlet Type         | Lateral Inflow                   |
| Incoming Item(s)   | Catchment Area Porous Parking 02 |
| Bypass Destination | (None)                           |
| Capacity Type      | No Restriction                   |

Inlet

|                    |                                             |
|--------------------|---------------------------------------------|
| Inlet Type         | Lateral Inflow                              |
| Incoming Item(s)   | No Delay (1) PorousPaving02-PorousParking02 |
| Bypass Destination | (None)                                      |
| Capacity Type      | No Restriction                              |

Outlets

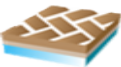
Outlet

|                     |                                |
|---------------------|--------------------------------|
| Outgoing Connection | Pipe (24) PorousParking02-SW11 |
| Outlet Type         | Under Drain                    |

Advanced

|                     |       |
|---------------------|-------|
| Conductivity (m/hr) | 200.0 |
|---------------------|-------|

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |



Porous Paving 02

Type : Porous Paving

Dimensions

|                             |         |
|-----------------------------|---------|
| Exceedance Level (m)        | 109.530 |
| Depth (m)                   | 0.450   |
| Base Level (m)              | 109.080 |
| Paving Layer Depth (mm)     | 200     |
| Membrane Percolation (m/hr) | 1.0     |
| Porosity (%)                | 30      |
| Length (m)                  | 52.999  |
| Long. Slope (1:X)           | 200.00  |
| Width (m)                   | 2.247   |
| Total Volume (m³)           | 9.151   |

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 100         |
| No. of Barrels        | 1           |
| Release Height (m)    | 0.000       |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |

Inlets

Inlet (1)

|                    |                                 |
|--------------------|---------------------------------|
| Inlet Type         | Lateral Inflow                  |
| Incoming Item(s)   | Catchment Area Porous Paving 02 |
| Bypass Destination | (None)                          |
| Capacity Type      | No Restriction                  |

Outlets

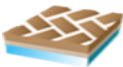
Outlet (1)

|                     |                                             |
|---------------------|---------------------------------------------|
| Outgoing Connection | No Delay (1) PorousPaving02-PorousParking02 |
| Outlet Type         | Under Drain                                 |

Advanced

|                     |       |
|---------------------|-------|
| Conductivity (m/hr) | 200.0 |
|---------------------|-------|

|                                                                                                                 |                                                                                                                            |                           |                            |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                | Date:<br>18/03/2026                                                                                                        |                           |                            |
|                                                                                                                 | Designed by:<br>A Jones                                                                                                    | Checked by:<br>P Southern | Approved By:<br>P Southern |
|                                                                                                                 | Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |                           |                            |
| Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                                                                                                                            |                           |                            |



Porous Under Imp Acces Road 02

Type : Porous Paving

Dimensions

|                             |         |
|-----------------------------|---------|
| Exceedance Level (m)        | 109.500 |
| Depth (m)                   | 0.650   |
| Base Level (m)              | 108.850 |
| Paving Layer Depth (mm)     | 1       |
| Membrane Percolation (m/hr) | 1.0     |
| Porosity (%)                | 30      |
| Length (m)                  | 42.860  |
| Long. Slope (1:X)           | 200.00  |
| Width (m)                   | 8.093   |
| Total Volume (m³)           | 68.066  |

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 150         |
| No. of Barrels        | 1           |
| Release Height (m)    | 0.000       |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |

Inlets

Inlet

|                    |                               |
|--------------------|-------------------------------|
| Inlet Type         | Lateral Inflow                |
| Incoming Item(s)   | Catchment Area Access Road 02 |
| Bypass Destination | (None)                        |
| Capacity Type      | No Restriction                |

Inlet (2)

|                    |                                |
|--------------------|--------------------------------|
| Inlet Type         | Lateral Inflow                 |
| Incoming Item(s)   | Catchment Area Access Road 01a |
| Bypass Destination | (None)                         |
| Capacity Type      | No Restriction                 |

Outlets

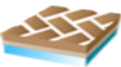
Outlet

|                     |                                                |
|---------------------|------------------------------------------------|
| Outgoing Connection | No Delay (29)<br>PorousUnderImpAccessRd02-SW11 |
| Outlet Type         | Under Drain                                    |

Advanced

|                     |       |
|---------------------|-------|
| Conductivity (m/hr) | 200.0 |
|---------------------|-------|

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     |
|                                                                                                                            |  | Approved By:<br>P Southern                                                                                      |                           |                                                                                     |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |



Porous Under Imp Bus Drop Off a

Type : Porous Paving

Dimensions

|                             |         |
|-----------------------------|---------|
| Exceedance Level (m)        | 108.900 |
| Depth (m)                   | 0.650   |
| Base Level (m)              | 108.250 |
| Paving Layer Depth (mm)     | 1       |
| Membrane Percolation (m/hr) | 1.0     |
| Porosity (%)                | 30      |
| Length (m)                  | 46.100  |
| Long. Slope (1:X)           | 200.00  |
| Width (m)                   | 4.393   |
| Total Volume (m³)           | 39.996  |

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 150         |
| No. of Barrels        | 1           |
| Release Height (m)    | 0.000       |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |

Inlets

Inlet (1)

|                    |                               |
|--------------------|-------------------------------|
| Inlet Type         | Lateral Inflow                |
| Incoming Item(s)   | Catchment Area Bus Drop Off a |
| Bypass Destination | (None)                        |
| Capacity Type      | No Restriction                |

Inlet

|                    |                                  |
|--------------------|----------------------------------|
| Inlet Type         | Lateral Inflow                   |
| Incoming Item(s)   | Catchment Area (Mid Access Rd S) |
| Bypass Destination | (None)                           |
| Capacity Type      | No Restriction                   |

Inlet (3)

|                    |                                                                |
|--------------------|----------------------------------------------------------------|
| Inlet Type         | Lateral Inflow                                                 |
| Incoming Item(s)   | No Delay (22)<br>PorousPaving04a-<br>PorousUnderImpBusDropoffA |
| Bypass Destination | (None)                                                         |
| Capacity Type      | No Restriction                                                 |

Outlets

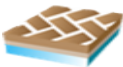
Outlet

|                     |                                                 |
|---------------------|-------------------------------------------------|
| Outgoing Connection | No Delay (18)<br>PorousUnderImpBusDropoffA-SW13 |
| Outlet Type         | Under Drain                                     |

Advanced

|                     |       |
|---------------------|-------|
| Conductivity (m/hr) | 200.0 |
|---------------------|-------|

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |



Porous Under Imp Acces Road 04

Type : Porous Paving

Dimensions

|                             |         |
|-----------------------------|---------|
| Exceedance Level (m)        | 107.800 |
| Depth (m)                   | 0.650   |
| Base Level (m)              | 107.150 |
| Paving Layer Depth (mm)     | 1       |
| Membrane Percolation (m/hr) | 1.0     |
| Porosity (%)                | 30      |
| Length (m)                  | 32.294  |
| Long. Slope (1:X)           | 200.00  |
| Width (m)                   | 8.394   |
| Total Volume (m³)           | 53.180  |

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 150         |
| No. of Barrels        | 1           |
| Release Height (m)    | 0.000       |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |

Inlets

Inlet

|                    |                               |
|--------------------|-------------------------------|
| Inlet Type         | Lateral Inflow                |
| Incoming Item(s)   | Catchment Area Access Road 04 |
| Bypass Destination | (None)                        |
| Capacity Type      | No Restriction                |

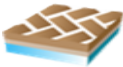
Outlets

Outlet

|                     |                                                |
|---------------------|------------------------------------------------|
| Outgoing Connection | No Delay (25)<br>PorousUnderImpAccessRd04-SW14 |
| Outlet Type         | Under Drain                                    |

Advanced

|                     |       |
|---------------------|-------|
| Conductivity (m/hr) | 200.0 |
|---------------------|-------|



Porous Under Imp Acces Road 06

Type : Porous Paving

Dimensions

|                             |         |
|-----------------------------|---------|
| Exceedance Level (m)        | 107.900 |
| Depth (m)                   | 0.650   |
| Base Level (m)              | 107.250 |
| Paving Layer Depth (mm)     | 1       |
| Membrane Percolation (m/hr) | 1.0     |
| Porosity (%)                | 30      |
| Length (m)                  | 20.885  |
| Long. Slope (1:X)           | 200.00  |
| Width (m)                   | 4.856   |
| Total Volume (m³)           | 20.004  |

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 150         |
| No. of Barrels        | 1           |
| Release Height (m)    | 0.000       |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |

Inlets

Inlet (2)

|                    |                               |
|--------------------|-------------------------------|
| Inlet Type         | Lateral Inflow                |
| Incoming Item(s)   | Catchment Area Access Road 06 |
| Bypass Destination | (None)                        |
| Capacity Type      | No Restriction                |

Outlets

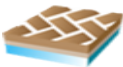
Outlet

|                     |                                                |
|---------------------|------------------------------------------------|
| Outgoing Connection | No Delay (19)<br>PorousUnderImpAccessRd06-SW15 |
| Outlet Type         | Under Drain                                    |

Advanced

|                     |       |
|---------------------|-------|
| Conductivity (m/hr) | 200.0 |
|---------------------|-------|

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |



Porous Under Acces Road 07

Type : Porous Paving

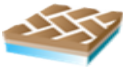
| Dimensions                  |  |         |
|-----------------------------|--|---------|
| Exceedance Level (m)        |  | 107.800 |
| Depth (m)                   |  | 0.650   |
| Base Level (m)              |  | 107.150 |
| Paving Layer Depth (mm)     |  | 1       |
| Membrane Percolation (m/hr) |  | 1.0     |
| Porosity (%)                |  | 30      |
| Length (m)                  |  | 37.993  |
| Long. Slope (1:X)           |  | 200.00  |
| Width (m)                   |  | 5.839   |
| Total Volume (m³)           |  | 43.665  |

| Under Drain           |  |             |
|-----------------------|--|-------------|
| Height Above Base (m) |  | 0.000       |
| Diameter (mm)         |  | 150         |
| No. of Barrels        |  | 1           |
| Release Height (m)    |  | 0.000       |
| Friction Scheme       |  | Manning's n |
| n                     |  | 0.015       |

| Inlets             |                               |  |
|--------------------|-------------------------------|--|
| Inlet (2)          |                               |  |
| Inlet Type         | Lateral Inflow                |  |
| Incoming Item(s)   | Catchment Area Access Road 07 |  |
| Bypass Destination | (None)                        |  |
| Capacity Type      | No Restriction                |  |

| Outlets             |                                             |  |
|---------------------|---------------------------------------------|--|
| Outlet              |                                             |  |
| Outgoing Connection | No Delay (21) PorousUnderImpAccessRd07-SW15 |  |
| Outlet Type         | Under Drain                                 |  |

| Advanced            |  |       |
|---------------------|--|-------|
| Conductivity (m/hr) |  | 200.0 |



Porous Paving 05

Type : Porous Paving

| Dimensions                  |  |         |
|-----------------------------|--|---------|
| Exceedance Level (m)        |  | 109.400 |
| Depth (m)                   |  | 0.450   |
| Base Level (m)              |  | 108.950 |
| Paving Layer Depth (mm)     |  | 200     |
| Membrane Percolation (m/hr) |  | 1.0     |
| Porosity (%)                |  | 30      |
| Length (m)                  |  | 29.494  |
| Long. Slope (1:X)           |  | 200.00  |
| Width (m)                   |  | 3.415   |
| Total Volume (m³)           |  | 7.717   |

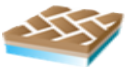
| Under Drain           |  |             |
|-----------------------|--|-------------|
| Height Above Base (m) |  | 0.000       |
| Diameter (mm)         |  | 100         |
| No. of Barrels        |  | 1           |
| Release Height (m)    |  | 0.000       |
| Friction Scheme       |  | Manning's n |
| n                     |  | 0.015       |

| Inlets             |                                 |  |
|--------------------|---------------------------------|--|
| Inlet (1)          |                                 |  |
| Inlet Type         | Lateral Inflow                  |  |
| Incoming Item(s)   | Catchment Area Porous Paving 05 |  |
| Bypass Destination | (None)                          |  |
| Capacity Type      | No Restriction                  |  |

| Outlets             |                                  |  |
|---------------------|----------------------------------|--|
| Outlet              |                                  |  |
| Outgoing Connection | No Delay (3) PorousPaving05-BR05 |  |
| Outlet Type         | Under Drain                      |  |

| Advanced            |  |       |
|---------------------|--|-------|
| Conductivity (m/hr) |  | 200.0 |

|                                                                                                                 |                                                                                                                            |                           |                            |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                | Date:<br>18/03/2026                                                                                                        |                           |                            |
|                                                                                                                 | Designed by:<br>A Jones                                                                                                    | Checked by:<br>P Southern | Approved By:<br>P Southern |
|                                                                                                                 | Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |                           |                            |
| Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                                                                                                                            |                           |                            |



Porous Paving 06

Type : Porous Paving

| Dimensions                  |  |         |
|-----------------------------|--|---------|
| Exceedance Level (m)        |  | 109.400 |
| Depth (m)                   |  | 0.450   |
| Base Level (m)              |  | 108.950 |
| Paving Layer Depth (mm)     |  | 200     |
| Membrane Percolation (m/hr) |  | 1.0     |
| Porosity (%)                |  | 30      |
| Length (m)                  |  | 25.088  |
| Long. Slope (1:X)           |  | 200.00  |
| Width (m)                   |  | 4.458   |
| Total Volume (m³)           |  | 8.526   |

| Under Drain           |  |             |
|-----------------------|--|-------------|
| Height Above Base (m) |  | 0.000       |
| Diameter (mm)         |  | 100         |
| No. of Barrels        |  | 1           |
| Release Height (m)    |  | 0.000       |
| Friction Scheme       |  | Manning's n |
| n                     |  | 0.015       |

| Inlets             |  |                                 |
|--------------------|--|---------------------------------|
| Inlet (1)          |  |                                 |
| Inlet Type         |  | Lateral Inflow                  |
| Incoming Item(s)   |  | Catchment Area Porous Paving 06 |
| Bypass Destination |  | (None)                          |
| Capacity Type      |  | No Restriction                  |

| Outlets             |  |                                  |
|---------------------|--|----------------------------------|
| Outlet (1)          |  |                                  |
| Outgoing Connection |  | No Delay (4) PorousPaving06-BR06 |
| Outlet Type         |  | Under Drain                      |

| Advanced            |  |       |
|---------------------|--|-------|
| Conductivity (m/hr) |  | 200.0 |



Porous Paving 03

Type : Porous Paving

| Dimensions                  |  |         |
|-----------------------------|--|---------|
| Exceedance Level (m)        |  | 109.600 |
| Depth (m)                   |  | 0.450   |
| Base Level (m)              |  | 109.150 |
| Paving Layer Depth (mm)     |  | 200     |
| Membrane Percolation (m/hr) |  | 1.0     |
| Porosity (%)                |  | 30      |
| Length (m)                  |  | 20.623  |
| Long. Slope (1:X)           |  | 200.00  |
| Width (m)                   |  | 9.141   |
| Total Volume (m³)           |  | 14.251  |

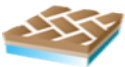
| Under Drain           |  |             |
|-----------------------|--|-------------|
| Height Above Base (m) |  | 0.000       |
| Diameter (mm)         |  | 100         |
| No. of Barrels        |  | 1           |
| Release Height (m)    |  | 0.000       |
| Friction Scheme       |  | Manning's n |
| n                     |  | 0.015       |

| Inlets             |  |                                 |
|--------------------|--|---------------------------------|
| Inlet              |  |                                 |
| Inlet Type         |  | Lateral Inflow                  |
| Incoming Item(s)   |  | Catchment Area Porous Paving 03 |
| Bypass Destination |  | (None)                          |
| Capacity Type      |  | No Restriction                  |

| Outlets             |  |                                  |
|---------------------|--|----------------------------------|
| Outlet (1)          |  |                                  |
| Outgoing Connection |  | No Delay (5) PorousPaving03-BR03 |
| Outlet Type         |  | Under Drain                      |

| Advanced            |  |       |
|---------------------|--|-------|
| Conductivity (m/hr) |  | 200.0 |

|                                                                                                                            |                                                                                                                 |                           |                            |
|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           | Date:<br>18/03/2026                                                                                             |                           |                            |
|                                                                                                                            | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |



Porous Paving 07

Type : Porous Paving

| Dimensions                  |  |         |
|-----------------------------|--|---------|
| Exceedance Level (m)        |  | 109.300 |
| Depth (m)                   |  | 0.450   |
| Base Level (m)              |  | 108.850 |
| Paving Layer Depth (mm)     |  | 200     |
| Membrane Percolation (m/hr) |  | 1.0     |
| Porosity (%)                |  | 30      |
| Length (m)                  |  | 2.876   |
| Long. Slope (1:X)           |  | 200.00  |
| Width (m)                   |  | 64.507  |
| Total Volume (m³)           |  | 13.930  |

| Under Drain           |  |             |
|-----------------------|--|-------------|
| Height Above Base (m) |  | 0.000       |
| Diameter (mm)         |  | 100         |
| No. of Barrels        |  | 1           |
| Release Height (m)    |  | 0.000       |
| Friction Scheme       |  | Manning's n |
| n                     |  | 0.015       |

| Inlets             |  |                                 |
|--------------------|--|---------------------------------|
| Inlet (1)          |  |                                 |
| Inlet Type         |  | Lateral Inflow                  |
| Incoming Item(s)   |  | Catchment Area Porous Paving 07 |
| Bypass Destination |  | (None)                          |
| Capacity Type      |  | No Restriction                  |

| Outlets             |  |                                  |
|---------------------|--|----------------------------------|
| Outlet (2)          |  |                                  |
| Outgoing Connection |  | No Delay (6) PorousPaving07-SW19 |
| Outlet Type         |  | Under Drain                      |

| Advanced            |  |       |
|---------------------|--|-------|
| Conductivity (m/hr) |  | 200.0 |



Porous Paving 08

Type : Porous Paving

| Dimensions                  |  |         |
|-----------------------------|--|---------|
| Exceedance Level (m)        |  | 109.360 |
| Depth (m)                   |  | 0.450   |
| Base Level (m)              |  | 108.910 |
| Paving Layer Depth (mm)     |  | 200     |
| Membrane Percolation (m/hr) |  | 1.0     |
| Porosity (%)                |  | 30      |
| Length (m)                  |  | 2.876   |
| Long. Slope (1:X)           |  | 200.00  |
| Width (m)                   |  | 56.423  |
| Total Volume (m³)           |  | 12.186  |

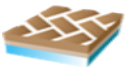
| Under Drain           |  |             |
|-----------------------|--|-------------|
| Height Above Base (m) |  | 0.000       |
| Diameter (mm)         |  | 100         |
| No. of Barrels        |  | 1           |
| Release Height (m)    |  | 0.000       |
| Friction Scheme       |  | Manning's n |
| n                     |  | 0.015       |

| Inlets             |  |                                 |
|--------------------|--|---------------------------------|
| Inlet              |  |                                 |
| Inlet Type         |  | Lateral Inflow                  |
| Incoming Item(s)   |  | Catchment Area Porous Paving 08 |
| Bypass Destination |  | (None)                          |
| Capacity Type      |  | No Restriction                  |

| Outlets             |  |             |
|---------------------|--|-------------|
| Outlet              |  |             |
| Outgoing Connection |  | (None)      |
| Outlet Type         |  | Under Drain |

| Advanced            |  |       |
|---------------------|--|-------|
| Conductivity (m/hr) |  | 200.0 |

|                                                                                                                 |                                                                                                                            |                           |                            |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                | Date:<br>18/03/2026                                                                                                        |                           |                            |
|                                                                                                                 | Designed by:<br>A Jones                                                                                                    | Checked by:<br>P Southern | Approved By:<br>P Southern |
|                                                                                                                 | Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |                           |                            |
| Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                                                                                                                            |                           |                            |



Porous Paving 09

Type : Porous Paving

| Dimensions                  |  |         |
|-----------------------------|--|---------|
| Exceedance Level (m)        |  | 109.650 |
| Depth (m)                   |  | 0.450   |
| Base Level (m)              |  | 109.200 |
| Paving Layer Depth (mm)     |  | 200     |
| Membrane Percolation (m/hr) |  | 1.0     |
| Porosity (%)                |  | 30      |
| Length (m)                  |  | 2.913   |
| Long. Slope (1:X)           |  | 500.00  |
| Width (m)                   |  | 49.677  |
| Total Volume (m³)           |  | 10.869  |

| Under Drain           |  |             |
|-----------------------|--|-------------|
| Height Above Base (m) |  | 0.000       |
| Diameter (mm)         |  | 100         |
| No. of Barrels        |  | 1           |
| Release Height (m)    |  | 0.000       |
| Friction Scheme       |  | Manning's n |
| n                     |  | 0.015       |

| Inlets             |  |                                 |
|--------------------|--|---------------------------------|
| Inlet (1)          |  |                                 |
| Inlet Type         |  | Lateral Inflow                  |
| Incoming Item(s)   |  | Catchment Area Porous Paving 09 |
| Bypass Destination |  | (None)                          |
| Capacity Type      |  | No Restriction                  |

| Outlets             |  |                                      |
|---------------------|--|--------------------------------------|
| Outlet              |  |                                      |
| Outgoing Connection |  | No Delay (23)<br>PorousPaving09-SW18 |
| Outlet Type         |  | Under Drain                          |

| Advanced            |  |       |
|---------------------|--|-------|
| Conductivity (m/hr) |  | 200.0 |



Porous Parking 03

Type : Porous Paving

| Dimensions                  |  |         |
|-----------------------------|--|---------|
| Exceedance Level (m)        |  | 108.100 |
| Depth (m)                   |  | 0.650   |
| Base Level (m)              |  | 107.450 |
| Paving Layer Depth (mm)     |  | 200     |
| Membrane Percolation (m/hr) |  | 1.0     |
| Porosity (%)                |  | 30      |
| Length (m)                  |  | 28.838  |
| Long. Slope (1:X)           |  | 200.00  |
| Width (m)                   |  | 4.740   |
| Total Volume (m³)           |  | 18.614  |

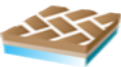
| Under Drain           |  |             |
|-----------------------|--|-------------|
| Height Above Base (m) |  | 0.000       |
| Diameter (mm)         |  | 100         |
| No. of Barrels        |  | 1           |
| Release Height (m)    |  | 0.000       |
| Friction Scheme       |  | Manning's n |
| n                     |  | 0.015       |

| Inlets             |  |                                  |
|--------------------|--|----------------------------------|
| Inlet              |  |                                  |
| Inlet Type         |  | Lateral Inflow                   |
| Incoming Item(s)   |  | Catchment Area Porous Parking 03 |
| Bypass Destination |  | (None)                           |
| Capacity Type      |  | No Restriction                   |

| Outlets             |  |                                       |
|---------------------|--|---------------------------------------|
| Outlet              |  |                                       |
| Outgoing Connection |  | No Delay (20)<br>PorousParking03-SW15 |
| Outlet Type         |  | Under Drain                           |

| Advanced            |  |       |
|---------------------|--|-------|
| Conductivity (m/hr) |  | 200.0 |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |



Porous Paving 10

Type : Porous Paving

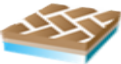
| Dimensions                  |  |         |
|-----------------------------|--|---------|
| Exceedance Level (m)        |  | 109.650 |
| Depth (m)                   |  | 0.450   |
| Base Level (m)              |  | 109.200 |
| Paving Layer Depth (mm)     |  | 200     |
| Membrane Percolation (m/hr) |  | 1.0     |
| Porosity (%)                |  | 30      |
| Length (m)                  |  | 2.760   |
| Long. Slope (1:X)           |  | 200.00  |
| Width (m)                   |  | 26.159  |
| Total Volume (m³)           |  | 5.430   |

| Under Drain           |  |             |
|-----------------------|--|-------------|
| Height Above Base (m) |  | 0.000       |
| Diameter (mm)         |  | 100         |
| No. of Barrels        |  | 1           |
| Release Height (m)    |  | 0.000       |
| Friction Scheme       |  | Manning's n |
| n                     |  | 0.015       |

| Inlets             |  |                                 |
|--------------------|--|---------------------------------|
| Inlet (1)          |  |                                 |
| Inlet Type         |  | Lateral Inflow                  |
| Incoming Item(s)   |  | Catchment Area Porous Paving 10 |
| Bypass Destination |  | (None)                          |
| Capacity Type      |  | No Restriction                  |

| Outlets             |  |                                   |
|---------------------|--|-----------------------------------|
| Outlet              |  |                                   |
| Outgoing Connection |  | No Delay (16) PorousPaving10-SW17 |
| Outlet Type         |  | Under Drain                       |

| Advanced            |  |       |
|---------------------|--|-------|
| Conductivity (m/hr) |  | 200.0 |



Porous Paving 13

Type : Porous Paving

| Dimensions                  |  |         |
|-----------------------------|--|---------|
| Exceedance Level (m)        |  | 109.600 |
| Depth (m)                   |  | 0.450   |
| Base Level (m)              |  | 109.150 |
| Paving Layer Depth (mm)     |  | 200     |
| Membrane Percolation (m/hr) |  | 1.0     |
| Porosity (%)                |  | 30      |
| Length (m)                  |  | 15.024  |
| Long. Slope (1:X)           |  | 200.00  |
| Width (m)                   |  | 2.443   |
| Total Volume (m³)           |  | 2.836   |

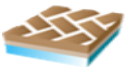
| Under Drain           |  |             |
|-----------------------|--|-------------|
| Height Above Base (m) |  | 0.000       |
| Diameter (mm)         |  | 100         |
| No. of Barrels        |  | 1           |
| Release Height (m)    |  | 0.000       |
| Friction Scheme       |  | Manning's n |
| n                     |  | 0.015       |

| Inlets             |  |                                 |
|--------------------|--|---------------------------------|
| Inlet              |  |                                 |
| Inlet Type         |  | Lateral Inflow                  |
| Incoming Item(s)   |  | Catchment Area Porous Paving 13 |
| Bypass Destination |  | (None)                          |
| Capacity Type      |  | No Restriction                  |

| Outlets             |  |                                  |
|---------------------|--|----------------------------------|
| Outlet              |  |                                  |
| Outgoing Connection |  | No Delay (7) PorousPaving13-BR07 |
| Outlet Type         |  | Under Drain                      |

| Advanced            |  |       |
|---------------------|--|-------|
| Conductivity (m/hr) |  | 200.0 |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |



Porous Paving 15

Type : Porous Paving

| Dimensions                  |  |         |
|-----------------------------|--|---------|
| Exceedance Level (m)        |  | 109.600 |
| Depth (m)                   |  | 0.450   |
| Base Level (m)              |  | 109.150 |
| Paving Layer Depth (mm)     |  | 200     |
| Membrane Percolation (m/hr) |  | 1.0     |
| Porosity (%)                |  | 30      |
| Length (m)                  |  | 15.837  |
| Long. Slope (1:X)           |  | 200.00  |
| Width (m)                   |  | 2.762   |
| Total Volume (m³)           |  | 3.368   |

| Under Drain           |  |             |
|-----------------------|--|-------------|
| Height Above Base (m) |  | 0.000       |
| Diameter (mm)         |  | 100         |
| No. of Barrels        |  | 1           |
| Release Height (m)    |  | 0.000       |
| Friction Scheme       |  | Manning's n |
| n                     |  | 0.015       |

| Inlets             |  |                                 |
|--------------------|--|---------------------------------|
| Inlet (1)          |  |                                 |
| Inlet Type         |  | Lateral Inflow                  |
| Incoming Item(s)   |  | Catchment Area Porous Paving 15 |
| Bypass Destination |  | (None)                          |
| Capacity Type      |  | No Restriction                  |

| Outlets             |  |                                  |
|---------------------|--|----------------------------------|
| Outlet (1)          |  |                                  |
| Outgoing Connection |  | No Delay (8) PorousPaving15-BR08 |
| Outlet Type         |  | Under Drain                      |

| Advanced            |  |       |
|---------------------|--|-------|
| Conductivity (m/hr) |  | 200.0 |



Porous Paving 12

Type : Porous Paving

| Dimensions                  |  |         |
|-----------------------------|--|---------|
| Exceedance Level (m)        |  | 109.600 |
| Depth (m)                   |  | 0.450   |
| Base Level (m)              |  | 109.150 |
| Paving Layer Depth (mm)     |  | 200     |
| Membrane Percolation (m/hr) |  | 1.0     |
| Porosity (%)                |  | 30      |
| Length (m)                  |  | 24.081  |
| Long. Slope (1:X)           |  | 500.00  |
| Width (m)                   |  | 4.479   |
| Total Volume (m³)           |  | 8.222   |

| Under Drain           |  |             |
|-----------------------|--|-------------|
| Height Above Base (m) |  | 0.000       |
| Diameter (mm)         |  | 100         |
| No. of Barrels        |  | 1           |
| Release Height (m)    |  | 0.000       |
| Friction Scheme       |  | Manning's n |
| n                     |  | 0.015       |

| Inlets             |  |                                 |
|--------------------|--|---------------------------------|
| Inlet (1)          |  |                                 |
| Inlet Type         |  | Lateral Inflow                  |
| Incoming Item(s)   |  | Catchment Area Porous Paving 12 |
| Bypass Destination |  | (None)                          |
| Capacity Type      |  | No Restriction                  |

| Outlets             |  |                                   |
|---------------------|--|-----------------------------------|
| Outlet (1)          |  |                                   |
| Outgoing Connection |  | No Delay (13) PorousPaving12-SW08 |
| Outlet Type         |  | Under Drain                       |

| Advanced            |  |       |
|---------------------|--|-------|
| Conductivity (m/hr) |  | 200.0 |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |



Porous Paving 14

Type : Porous Paving

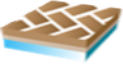
| Dimensions                  |  |         |
|-----------------------------|--|---------|
| Exceedance Level (m)        |  | 109.600 |
| Depth (m)                   |  | 0.450   |
| Base Level (m)              |  | 109.150 |
| Paving Layer Depth (mm)     |  | 200     |
| Membrane Percolation (m/hr) |  | 1.0     |
| Porosity (%)                |  | 30      |
| Length (m)                  |  | 17.303  |
| Long. Slope (1:X)           |  | 500.00  |
| Width (m)                   |  | 5.261   |
| Total Volume (m³)           |  | 6.923   |

| Under Drain           |  |             |
|-----------------------|--|-------------|
| Height Above Base (m) |  | 0.000       |
| Diameter (mm)         |  | 100         |
| No. of Barrels        |  | 1           |
| Release Height (m)    |  | 0.000       |
| Friction Scheme       |  | Manning's n |
| n                     |  | 0.015       |

| Inlets             |  |                                 |
|--------------------|--|---------------------------------|
| Inlet (1)          |  |                                 |
| Inlet Type         |  | Lateral Inflow                  |
| Incoming Item(s)   |  | Catchment Area Porous Paving 14 |
| Bypass Destination |  | (None)                          |
| Capacity Type      |  | No Restriction                  |

| Outlets             |  |                                      |
|---------------------|--|--------------------------------------|
| Outlet (1)          |  |                                      |
| Outgoing Connection |  | No Delay (14)<br>PorousPaving14-SW06 |
| Outlet Type         |  | Under Drain                          |

| Advanced            |  |       |
|---------------------|--|-------|
| Conductivity (m/hr) |  | 200.0 |



Porous Paving 17

Type : Porous Paving

| Dimensions                  |  |         |
|-----------------------------|--|---------|
| Exceedance Level (m)        |  | 109.600 |
| Depth (m)                   |  | 0.450   |
| Base Level (m)              |  | 109.150 |
| Paving Layer Depth (mm)     |  | 200     |
| Membrane Percolation (m/hr) |  | 1.0     |
| Porosity (%)                |  | 30      |
| Length (m)                  |  | 22.052  |
| Long. Slope (1:X)           |  | 500.00  |
| Width (m)                   |  | 8.068   |
| Total Volume (m³)           |  | 13.466  |

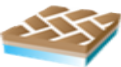
| Under Drain           |  |             |
|-----------------------|--|-------------|
| Height Above Base (m) |  | 0.000       |
| Diameter (mm)         |  | 100         |
| No. of Barrels        |  | 1           |
| Release Height (m)    |  | 0.000       |
| Friction Scheme       |  | Manning's n |
| n                     |  | 0.015       |

| Inlets             |  |                                 |
|--------------------|--|---------------------------------|
| Inlet (3)          |  |                                 |
| Inlet Type         |  | Lateral Inflow                  |
| Incoming Item(s)   |  | Catchment Area Porous Paving 17 |
| Bypass Destination |  | (None)                          |
| Capacity Type      |  | No Restriction                  |

| Outlets             |  |                                      |
|---------------------|--|--------------------------------------|
| Outlet (1)          |  |                                      |
| Outgoing Connection |  | No Delay (15)<br>PorousPaving17-SW04 |
| Outlet Type         |  | Under Drain                          |

| Advanced            |  |       |
|---------------------|--|-------|
| Conductivity (m/hr) |  | 200.0 |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |



Porous Paving 16

Type : Porous Paving

| Dimensions                  |  |         |
|-----------------------------|--|---------|
| Exceedance Level (m)        |  | 109.500 |
| Depth (m)                   |  | 0.450   |
| Base Level (m)              |  | 109.050 |
| Paving Layer Depth (mm)     |  | 200     |
| Membrane Percolation (m/hr) |  | 1.0     |
| Porosity (%)                |  | 30      |
| Length (m)                  |  | 10.614  |
| Long. Slope (1:X)           |  | 200.00  |
| Width (m)                   |  | 5.167   |
| Total Volume (m³)           |  | 4.172   |

| Under Drain           |  |             |
|-----------------------|--|-------------|
| Height Above Base (m) |  | 0.000       |
| Diameter (mm)         |  | 100         |
| No. of Barrels        |  | 1           |
| Release Height (m)    |  | 0.000       |
| Friction Scheme       |  | Manning's n |
| n                     |  | 0.015       |

| Inlets             |                                 |  |
|--------------------|---------------------------------|--|
| Inlet              |                                 |  |
| Inlet Type         | Lateral Inflow                  |  |
| Incoming Item(s)   | Catchment Area Porous Paving 16 |  |
| Bypass Destination | (None)                          |  |
| Capacity Type      | No Restriction                  |  |

| Outlets             |                                  |  |
|---------------------|----------------------------------|--|
| Outlet              |                                  |  |
| Outgoing Connection | No Delay (9) PorousPaving16-BR09 |  |
| Outlet Type         | Under Drain                      |  |

| Advanced            |  |       |
|---------------------|--|-------|
| Conductivity (m/hr) |  | 200.0 |



Porous Paving 11

Type : Porous Paving

| Dimensions                  |  |         |
|-----------------------------|--|---------|
| Exceedance Level (m)        |  | 109.400 |
| Depth (m)                   |  | 0.450   |
| Base Level (m)              |  | 108.950 |
| Paving Layer Depth (mm)     |  | 200     |
| Membrane Percolation (m/hr) |  | 1.0     |
| Porosity (%)                |  | 30      |
| Length (m)                  |  | 29.088  |
| Long. Slope (1:X)           |  | 500.00  |
| Width (m)                   |  | 6.518   |
| Total Volume (m³)           |  | 14.379  |

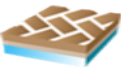
| Under Drain           |  |             |
|-----------------------|--|-------------|
| Height Above Base (m) |  | 0.000       |
| Diameter (mm)         |  | 100         |
| No. of Barrels        |  | 1           |
| Release Height (m)    |  | 0.000       |
| Friction Scheme       |  | Manning's n |
| n                     |  | 0.015       |

| Inlets             |                                 |  |
|--------------------|---------------------------------|--|
| Inlet (2)          |                                 |  |
| Inlet Type         | Lateral Inflow                  |  |
| Incoming Item(s)   | Catchment Area Porous Paving 11 |  |
| Bypass Destination | (None)                          |  |
| Capacity Type      | No Restriction                  |  |

| Outlets             |                                   |  |
|---------------------|-----------------------------------|--|
| Outlet (1)          |                                   |  |
| Outgoing Connection | No Delay (12) PorousPaving11-SW08 |  |
| Outlet Type         | Under Drain                       |  |

| Advanced            |  |       |
|---------------------|--|-------|
| Conductivity (m/hr) |  | 200.0 |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     |
|                                                                                                                            |  | Approved By:<br>P Southern                                                                                      |                           |                                                                                     |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |



Porous Paving 18

Type : Porous Paving

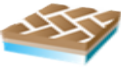
| Dimensions                  |  |         |
|-----------------------------|--|---------|
| Exceedance Level (m)        |  | 109.580 |
| Depth (m)                   |  | 0.450   |
| Base Level (m)              |  | 109.130 |
| Paving Layer Depth (mm)     |  | 200     |
| Membrane Percolation (m/hr) |  | 1.0     |
| Porosity (%)                |  | 30      |
| Length (m)                  |  | 20.499  |
| Long. Slope (1:X)           |  | 200.00  |
| Width (m)                   |  | 4.114   |
| Total Volume (m³)           |  | 6.437   |

| Under Drain           |  |             |
|-----------------------|--|-------------|
| Height Above Base (m) |  | 0.000       |
| Diameter (mm)         |  | 100         |
| No. of Barrels        |  | 1           |
| Release Height (m)    |  | 0.000       |
| Friction Scheme       |  | Manning's n |
| n                     |  | 0.015       |

| Inlets             |  |                                 |
|--------------------|--|---------------------------------|
| Inlet              |  |                                 |
| Inlet Type         |  | Lateral Inflow                  |
| Incoming Item(s)   |  | Catchment Area Porous Paving 18 |
| Bypass Destination |  | (None)                          |
| Capacity Type      |  | No Restriction                  |

| Outlets             |  |                                      |
|---------------------|--|--------------------------------------|
| Outlet (1)          |  |                                      |
| Outgoing Connection |  | No Delay (10)<br>PorousPaving18-BR10 |
| Outlet Type         |  | Under Drain                          |

| Advanced            |  |       |
|---------------------|--|-------|
| Conductivity (m/hr) |  | 200.0 |



Porous Paving 11a

Type : Porous Paving

| Dimensions                  |  |         |
|-----------------------------|--|---------|
| Exceedance Level (m)        |  | 109.400 |
| Depth (m)                   |  | 0.450   |
| Base Level (m)              |  | 108.950 |
| Paving Layer Depth (mm)     |  | 200     |
| Membrane Percolation (m/hr) |  | 1.0     |
| Porosity (%)                |  | 30      |
| Length (m)                  |  | 24.413  |
| Long. Slope (1:X)           |  | 500.00  |
| Width (m)                   |  | 3.175   |
| Total Volume (m³)           |  | 5.947   |

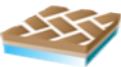
| Under Drain           |  |             |
|-----------------------|--|-------------|
| Height Above Base (m) |  | 0.000       |
| Diameter (mm)         |  | 100         |
| No. of Barrels        |  | 1           |
| Release Height (m)    |  | 0.000       |
| Friction Scheme       |  | Manning's n |
| n                     |  | 0.015       |

| Inlets             |  |                                  |
|--------------------|--|----------------------------------|
| Inlet              |  |                                  |
| Inlet Type         |  | Lateral Inflow                   |
| Incoming Item(s)   |  | Catchment Area Porous Paving 11a |
| Bypass Destination |  | (None)                           |
| Capacity Type      |  | No Restriction                   |

| Outlets             |  |               |
|---------------------|--|---------------|
| Outlet              |  |               |
| Outgoing Connection |  | No Delay (26) |
| Outlet Type         |  | Under Drain   |

| Advanced            |  |       |
|---------------------|--|-------|
| Conductivity (m/hr) |  | 200.0 |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |



Porous Paving 17a

Type : Porous Paving

| Dimensions                  |  |         |
|-----------------------------|--|---------|
| Exceedance Level (m)        |  | 109.600 |
| Depth (m)                   |  | 0.450   |
| Base Level (m)              |  | 109.150 |
| Paving Layer Depth (mm)     |  | 200     |
| Membrane Percolation (m/hr) |  | 1.0     |
| Porosity (%)                |  | 30      |
| Length (m)                  |  | 15.373  |
| Long. Slope (1:X)           |  | 500.00  |
| Width (m)                   |  | 7.516   |
| Total Volume (m³)           |  | 8.750   |

| Under Drain           |  |             |
|-----------------------|--|-------------|
| Height Above Base (m) |  | 0.000       |
| Diameter (mm)         |  | 100         |
| No. of Barrels        |  | 1           |
| Release Height (m)    |  | 0.000       |
| Friction Scheme       |  | Manning's n |
| n                     |  | 0.015       |

| Inlets             |  |                                  |
|--------------------|--|----------------------------------|
| Inlet              |  |                                  |
| Inlet Type         |  | Lateral Inflow                   |
| Incoming Item(s)   |  | Catchment Area Porous Paving 17a |
| Bypass Destination |  | (None)                           |
| Capacity Type      |  | No Restriction                   |

| Outlets             |  |                                       |
|---------------------|--|---------------------------------------|
| Outlet              |  |                                       |
| Outgoing Connection |  | No Delay (27)<br>PorousPaving17a-SW03 |
| Outlet Type         |  | Under Drain                           |

| Advanced            |  |       |
|---------------------|--|-------|
| Conductivity (m/hr) |  | 200.0 |



Porous Paving 19

Type : Porous Paving

| Dimensions                  |  |         |
|-----------------------------|--|---------|
| Exceedance Level (m)        |  | 109.700 |
| Depth (m)                   |  | 0.450   |
| Base Level (m)              |  | 109.250 |
| Paving Layer Depth (mm)     |  | 200     |
| Membrane Percolation (m/hr) |  | 1.0     |
| Porosity (%)                |  | 30      |
| Length (m)                  |  | 34.427  |
| Long. Slope (1:X)           |  | 200.00  |
| Width (m)                   |  | 2.152   |
| Total Volume (m³)           |  | 5.743   |

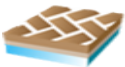
| Under Drain           |  |             |
|-----------------------|--|-------------|
| Height Above Base (m) |  | 0.000       |
| Diameter (mm)         |  | 100         |
| No. of Barrels        |  | 1           |
| Release Height (m)    |  | 0.000       |
| Friction Scheme       |  | Manning's n |
| n                     |  | 0.015       |

| Inlets             |  |                                 |
|--------------------|--|---------------------------------|
| Inlet              |  |                                 |
| Inlet Type         |  | Lateral Inflow                  |
| Incoming Item(s)   |  | Catchment Area Porous Paving 19 |
| Bypass Destination |  | (None)                          |
| Capacity Type      |  | No Restriction                  |

| Outlets             |  |                                      |
|---------------------|--|--------------------------------------|
| Outlet              |  |                                      |
| Outgoing Connection |  | No Delay (28)<br>PorousPaving19-BR11 |
| Outlet Type         |  | Under Drain                          |

| Advanced            |  |       |
|---------------------|--|-------|
| Conductivity (m/hr) |  | 200.0 |

|                                                                                                                            |                                                                                                                 |                           |                            |
|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           | Date:<br>18/03/2026                                                                                             |                           |                            |
|                                                                                                                            | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |



Porous Under Imp Acces Road 02a

Type : Porous Paving

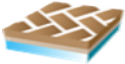
| Dimensions                  |  |         |
|-----------------------------|--|---------|
| Exceedance Level (m)        |  | 109.500 |
| Depth (m)                   |  | 0.650   |
| Base Level (m)              |  | 108.850 |
| Paving Layer Depth (mm)     |  | 1       |
| Membrane Percolation (m/hr) |  | 1.0     |
| Porosity (%)                |  | 30      |
| Length (m)                  |  | 17.262  |
| Long. Slope (1:X)           |  | 200.00  |
| Width (m)                   |  | 7.615   |
| Total Volume (m³)           |  | 25.809  |

| Under Drain           |  |             |
|-----------------------|--|-------------|
| Height Above Base (m) |  | 0.000       |
| Diameter (mm)         |  | 150         |
| No. of Barrels        |  | 1           |
| Release Height (m)    |  | 0.000       |
| Friction Scheme       |  | Manning's n |
| n                     |  | 0.015       |

| Inlets             |  |                         |
|--------------------|--|-------------------------|
| Inlet              |  |                         |
| Inlet Type         |  | Lateral Inflow          |
| Incoming Item(s)   |  | Catchment Area Road 02a |
| Bypass Destination |  | (None)                  |
| Capacity Type      |  | No Restriction          |

| Outlets             |  |                                                     |
|---------------------|--|-----------------------------------------------------|
| Outlet              |  |                                                     |
| Outgoing Connection |  | No Delay (30)<br>PorousUnderImpAccessRd02<br>a-BR02 |
| Outlet Type         |  | Under Drain                                         |

| Advanced            |  |       |
|---------------------|--|-------|
| Conductivity (m/hr) |  | 200.0 |



Porous Under Imp Acces Road 03

Type : Porous Paving

| Dimensions                  |  |         |
|-----------------------------|--|---------|
| Exceedance Level (m)        |  | 109.500 |
| Depth (m)                   |  | 0.650   |
| Base Level (m)              |  | 108.850 |
| Paving Layer Depth (mm)     |  | 1       |
| Membrane Percolation (m/hr) |  | 1.0     |
| Porosity (%)                |  | 30      |
| Length (m)                  |  | 15.883  |
| Long. Slope (1:X)           |  | 200.00  |
| Width (m)                   |  | 6.442   |
| Total Volume (m³)           |  | 20.119  |

| Under Drain           |  |             |
|-----------------------|--|-------------|
| Height Above Base (m) |  | 0.000       |
| Diameter (mm)         |  | 150         |
| No. of Barrels        |  | 1           |
| Release Height (m)    |  | 0.000       |
| Friction Scheme       |  | Manning's n |
| n                     |  | 0.015       |

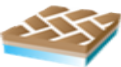
| Inlets             |  |                                  |
|--------------------|--|----------------------------------|
| Inlet (1)          |  |                                  |
| Inlet Type         |  | Lateral Inflow                   |
| Incoming Item(s)   |  | Catchment Area Access Road<br>03 |
| Bypass Destination |  | (None)                           |
| Capacity Type      |  | No Restriction                   |

| Outlets             |  |                                                             |
|---------------------|--|-------------------------------------------------------------|
| Outlet              |  |                                                             |
| Outgoing Connection |  | No Delay (31)<br>PorousUnderImpAccessRd03-<br>SW12viaPPCP15 |
| Outlet Type         |  | Under Drain                                                 |

| Advanced            |  |       |
|---------------------|--|-------|
| Conductivity (m/hr) |  | 200.0 |

|                                                                                                                 |                                                                                                                            |                           |                            |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                | Date:<br>18/03/2026                                                                                                        |                           |                            |
|                                                                                                                 | Designed by:<br>A Jones                                                                                                    | Checked by:<br>P Southern | Approved By:<br>P Southern |
|                                                                                                                 | Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |                           |                            |
| Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                                                                                                                            |                           |                            |





Porous Paving 04a

Type : Porous Paving

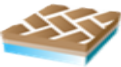
| Dimensions                  |  |         |
|-----------------------------|--|---------|
| Exceedance Level (m)        |  | 109.100 |
| Depth (m)                   |  | 0.450   |
| Base Level (m)              |  | 108.650 |
| Paving Layer Depth (mm)     |  | 200     |
| Membrane Percolation (m/hr) |  | 1.0     |
| Porosity (%)                |  | 30      |
| Length (m)                  |  | 2.810   |
| Long. Slope (1:X)           |  | 200.00  |
| Width (m)                   |  | 33.740  |
| Total Volume (m³)           |  | 7.126   |

| Under Drain           |  |             |
|-----------------------|--|-------------|
| Height Above Base (m) |  | 0.000       |
| Diameter (mm)         |  | 100         |
| No. of Barrels        |  | 1           |
| Release Height (m)    |  | 0.000       |
| Friction Scheme       |  | Manning's n |
| n                     |  | 0.015       |

| Inlets             |  |                                  |
|--------------------|--|----------------------------------|
| Inlet (1)          |  |                                  |
| Inlet Type         |  | Point Inflow                     |
| Incoming Item(s)   |  | Catchment Area Porous Paving 04a |
| Bypass Destination |  | (None)                           |
| Capacity Type      |  | No Restriction                   |

| Outlets             |  |                                                                |
|---------------------|--|----------------------------------------------------------------|
| Outlet              |  |                                                                |
| Outgoing Connection |  | No Delay (22)<br>PorousPaving04a-<br>PorousUnderImpBusDropoffA |
| Outlet Type         |  | Under Drain                                                    |

| Advanced            |  |       |
|---------------------|--|-------|
| Conductivity (m/hr) |  | 200.0 |



Porous Paving 04c

Type : Porous Paving

| Dimensions                  |  |         |
|-----------------------------|--|---------|
| Exceedance Level (m)        |  | 107.700 |
| Depth (m)                   |  | 0.450   |
| Base Level (m)              |  | 107.250 |
| Paving Layer Depth (mm)     |  | 200     |
| Membrane Percolation (m/hr) |  | 1.0     |
| Porosity (%)                |  | 30      |
| Length (m)                  |  | 2.810   |
| Long. Slope (1:X)           |  | 200.00  |
| Width (m)                   |  | 11.156  |
| Total Volume (m³)           |  | 2.367   |

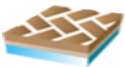
| Under Drain           |  |             |
|-----------------------|--|-------------|
| Height Above Base (m) |  | 0.000       |
| Diameter (mm)         |  | 100         |
| No. of Barrels        |  | 1           |
| Release Height (m)    |  | 0.000       |
| Friction Scheme       |  | Manning's n |
| n                     |  | 0.015       |

| Inlets             |  |                                  |
|--------------------|--|----------------------------------|
| Inlet (1)          |  |                                  |
| Inlet Type         |  | Lateral Inflow                   |
| Incoming Item(s)   |  | Catchment Area Porous Paving 04c |
| Bypass Destination |  | (None)                           |
| Capacity Type      |  | No Restriction                   |

| Outlets             |  |                                       |
|---------------------|--|---------------------------------------|
| Outlet (2)          |  |                                       |
| Outgoing Connection |  | No Delay (32)<br>PorousPaving04c-BR04 |
| Outlet Type         |  | Under Drain                           |

| Advanced            |  |       |
|---------------------|--|-------|
| Conductivity (m/hr) |  | 200.0 |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     |
|                                                                                                                            |  | Approved By:<br>P Southern                                                                                      |                           |                                                                                     |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |



Porous Paving 04b

Type : Porous Paving

| Dimensions                  |  |         |
|-----------------------------|--|---------|
| Exceedance Level (m)        |  | 108.320 |
| Depth (m)                   |  | 0.450   |
| Base Level (m)              |  | 107.870 |
| Paving Layer Depth (mm)     |  | 200     |
| Membrane Percolation (m/hr) |  | 1.0     |
| Porosity (%)                |  | 30      |
| Length (m)                  |  | 2.810   |
| Long. Slope (1:X)           |  | 200.00  |
| Width (m)                   |  | 11.459  |
| Total Volume (m³)           |  | 2.430   |

| Under Drain           |  |             |
|-----------------------|--|-------------|
| Height Above Base (m) |  | 0.000       |
| Diameter (mm)         |  | 100         |
| No. of Barrels        |  | 1           |
| Release Height (m)    |  | 0.000       |
| Friction Scheme       |  | Manning's n |
| n                     |  | 0.015       |

| Inlets             |                                  |  |
|--------------------|----------------------------------|--|
| Inlet              |                                  |  |
| Inlet Type         | Lateral Inflow                   |  |
| Incoming Item(s)   | Catchment Area Porous Paving 04b |  |
| Bypass Destination | (None)                           |  |
| Capacity Type      | No Restriction                   |  |

| Outlets             |                                      |  |
|---------------------|--------------------------------------|--|
| Outlet (3)          |                                      |  |
| Outgoing Connection | No Delay (2)<br>PorousPaving04b-BR04 |  |
| Outlet Type         | Under Drain                          |  |

| Advanced            |  |       |
|---------------------|--|-------|
| Conductivity (m/hr) |  | 200.0 |



Porous Under Imp Bus Drop Off b

Type : Porous Paving

| Dimensions                  |  |         |
|-----------------------------|--|---------|
| Exceedance Level (m)        |  | 107.300 |
| Depth (m)                   |  | 0.650   |
| Base Level (m)              |  | 106.650 |
| Paving Layer Depth (mm)     |  | 1       |
| Membrane Percolation (m/hr) |  | 1.0     |
| Porosity (%)                |  | 30      |
| Length (m)                  |  | 46.100  |
| Long. Slope (1:X)           |  | 200.00  |
| Width (m)                   |  | 4.058   |
| Total Volume (m³)           |  | 36.992  |

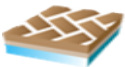
| Under Drain           |  |             |
|-----------------------|--|-------------|
| Height Above Base (m) |  | 0.000       |
| Diameter (mm)         |  | 150         |
| No. of Barrels        |  | 1           |
| Release Height (m)    |  | 0.000       |
| Friction Scheme       |  | Manning's n |
| n                     |  | 0.015       |

| Inlets             |                               |  |
|--------------------|-------------------------------|--|
| Inlet              |                               |  |
| Inlet Type         | Point Inflow                  |  |
| Incoming Item(s)   | Catchment Area Bus Drop Off b |  |
| Bypass Destination | (None)                        |  |
| Capacity Type      | No Restriction                |  |

| Outlets             |                                                 |  |
|---------------------|-------------------------------------------------|--|
| Outlet (1)          |                                                 |  |
| Outgoing Connection | No Delay (17)<br>PorousUnderImpBusDropoffB-SW13 |  |
| Outlet Type         | Under Drain                                     |  |

| Advanced            |  |       |
|---------------------|--|-------|
| Conductivity (m/hr) |  | 200.0 |

|                                                                                                                 |                                                                                                                            |                           |                            |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                | Date:<br>18/03/2026                                                                                                        |                           |                            |
|                                                                                                                 | Designed by:<br>A Jones                                                                                                    | Checked by:<br>P Southern | Approved By:<br>P Southern |
|                                                                                                                 | Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |                           |                            |
| Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                                                                                                                            |                           |                            |



Porous Paving MUGA (Tennis Courts)

Type : Porous Paving

Dimensions

|                             |         |
|-----------------------------|---------|
| Exceedance Level (m)        | 111.920 |
| Depth (m)                   | 0.600   |
| Base Level (m)              | 111.320 |
| Paving Layer Depth (mm)     | 120     |
| Membrane Percolation (m/hr) | 1.0     |
| Porosity (%)                | 30      |
| Length (m)                  | 63.232  |
| Long. Slope (1:X)           | 500.00  |
| Width (m)                   | 28.134  |
| Total Volume (m³)           | 256.954 |

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 150         |
| No. of Barrels        | 1           |
| Release Height (m)    | 0.000       |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |

Inlets

Inlet (1)

|                    |                                              |
|--------------------|----------------------------------------------|
| Inlet Type         | Lateral Inflow                               |
| Incoming Item(s)   | Catchment Area - Ex Runoff from Sloped Areas |
| Bypass Destination | (None)                                       |
| Capacity Type      | No Restriction                               |

Inlet

|                    |                                |
|--------------------|--------------------------------|
| Inlet Type         | Lateral Inflow                 |
| Incoming Item(s)   | Catchment Area - Tennis Courts |
| Bypass Destination | (None)                         |
| Capacity Type      | No Restriction                 |

Outlets

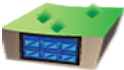
Outlet

|                     |                                                |
|---------------------|------------------------------------------------|
| Outgoing Connection | Pipe (33) PorousPavingMUGA (TennisCourts)-SW23 |
| Outlet Type         | Under Drain                                    |

Advanced

|                     |       |
|---------------------|-------|
| Conductivity (m/hr) | 200.0 |
|---------------------|-------|

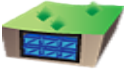
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|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |



Cellular Storage Under MUGA

Type : Cellular Storage

|                       |                        |
|-----------------------|------------------------|
| Dimensions            |                        |
| Exceedance Level (m)  | 108.455                |
| Depth (m)             | 0.800                  |
| Base Level (m)        | 106.300                |
| Number of Crates Long | 35                     |
| Number of Crates Wide | 36                     |
| Number of Crates High | 2                      |
| Porosity (%)          | 95                     |
| Crate Length (m)      | 1                      |
| Crate Width (m)       | 0.5                    |
| Crate Height (m)      | 0.4                    |
| Total Volume (m³)     | 480.155                |
| Inlets                |                        |
| Inlet (1)             |                        |
| Inlet Type            | Point Inflow           |
| Incoming Item(s)      | Pipe (31) SW09-TANK1   |
| Bypass Destination    | (None)                 |
| Capacity Type         | No Restriction         |
| Inlet (2)             |                        |
| Inlet Type            | Point Inflow           |
| Incoming Item(s)      | No Delay (24)          |
| Bypass Destination    | PorousPavingMUGA-TANK1 |
| Bypass Destination    | (None)                 |
| Capacity Type         | No Restriction         |
| Outlets               |                        |
| Outlet                |                        |
| Outgoing Connection   | Pipe (12) TANK1-SW17   |
| Outlet Type           | Free Discharge         |



Cellular Storage Under Road

Type : Cellular Storage

|                       |                      |
|-----------------------|----------------------|
| Dimensions            |                      |
| Exceedance Level (m)  | 108.000              |
| Depth (m)             | 1.600                |
| Base Level (m)        | 105.500              |
| Number of Crates Long | 40                   |
| Number of Crates Wide | 16                   |
| Number of Crates High | 4                    |
| Porosity (%)          | 95                   |
| Crate Length (m)      | 1                    |
| Crate Width (m)       | 0.5                  |
| Crate Height (m)      | 0.4                  |
| Total Volume (m³)     | 487.300              |
| Inlets                |                      |
| Inlet                 |                      |
| Inlet Type            | Point Inflow         |
| Incoming Item(s)      | Pipe (11) SW15-TANK2 |
| Bypass Destination    | (None)               |
| Capacity Type         | No Restriction       |
| Outlets               |                      |
| Outlet                |                      |
| Outgoing Connection   | Pipe (30) TANK2-SW19 |
| Outlet Type           | Free Discharge       |

|                                                                                                                    |  |  |  |                                                                                                                 |                           |                            |                                                                                     |  |
|--------------------------------------------------------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|-------------------------------------------------------------------------------------|--|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                   |  |  |  | Date:<br>18/03/2026                                                                                             |                           |                            |  |  |
| Report Details:<br>Type: Connections<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  |  |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |                                                                                     |  |
|                                                                                                                    |  |  |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |                                                                                     |  |

| Name                                                 | Length (m) | Connection Type | Slope (1:X) | Manning's n | Colebrook-White Roughness (mm) | Diameter / Base Width (mm) | Upstream Cover Level (m) | Upstream Invert Level (m) | Downstream Cover Level (m) | Downstream Invert Level (m) | Part Family | Lock |
|------------------------------------------------------|------------|-----------------|-------------|-------------|--------------------------------|----------------------------|--------------------------|---------------------------|----------------------------|-----------------------------|-------------|------|
| No Delay PorousPaving01-BR01                         | 9.581      | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| No Delay (1) PorousPaving02-PorousParking02          | 2.385      | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| No Delay (4) PorousPaving06-BR06                     | 5.248      | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| No Delay (3) PorousPaving05-BR05                     | 5.553      | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| No Delay (5) PorousPaving03-BR03                     | 4.262      | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| No Delay (7) PorousPaving13-BR07                     | 2.142      | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| No Delay (8) PorousPaving15-BR08                     | 2.025      | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| No Delay (9) PorousPaving16-BR09                     | 4.284      | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| No Delay (10) PorousPaving18-BR10                    | 4.592      | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| Pipe (2) SW04-SW05                                   | 4.242      | Pipe            | 225.000     |             | 0.6                            | 225                        | 109.700                  | 107.998                   | 109.700                    | 107.979                     |             | None |
| Pipe (3) SW05-SW06                                   | 21.840     | Pipe            | 224.557     |             | 0.6                            | 225                        | 109.700                  | 107.979                   | 109.700                    | 107.882                     |             | None |
| Pipe (4) SW06-SW08                                   | 19.955     | Pipe            | 224.213     |             | 0.6                            | 225                        | 109.700                  | 107.882                   | 109.701                    | 107.793                     |             | All  |
| Pipe (5) SW07-SW08                                   | 13.443     | Pipe            | 40.490      |             | 0.6                            | 150                        | 109.703                  | 108.200                   | 109.701                    | 107.868                     |             | All  |
| Pipe (6) SW10-SW11                                   | 40.524     | Pipe            | 225.133     |             | 0.6                            | 225                        | 109.607                  | 108.390                   | 109.609                    | 108.210                     |             | None |
| Pipe (7) SW11-SW12                                   | 23.292     | Pipe            | 223.962     |             | 0.6                            | 225                        | 109.609                  | 108.210                   | 109.800                    | 108.106                     |             | None |
| Pipe (8) SW12-SW14                                   | 29.537     | Pipe            | 14.673      |             | 0.6                            | 225                        | 109.800                  | 108.106                   | 108.350                    | 106.093                     |             | All  |
| Pipe (9) SW13-SW14                                   | 20.228     | Pipe            | 300.000     |             | 0.6                            | 300                        | 107.800                  | 106.085                   | 108.350                    | 106.018                     |             | None |
| Pipe (10) SW14-SW15                                  | 21.014     | Pipe            | 300.000     |             | 0.6                            | 300                        | 108.350                  | 106.018                   | 108.100                    | 105.948                     |             | None |
| Pipe (15) SW08-SW09                                  | 23.558     | Pipe            | 27.715      |             | 0.6                            | 225                        | 109.701                  | 107.200                   | 109.064                    | 106.350                     |             | None |
| Pipe (1) SW02-SW03                                   | 21.875     | Pipe            | 225.000     |             | 0.6                            | 225                        | 109.500                  | 108.200                   | 109.465                    | 108.103                     |             | None |
| Pipe (16) SW03-SW04                                  | 23.550     | Pipe            | 225.000     |             | 0.6                            | 225                        | 109.465                  | 108.103                   | 109.700                    | 107.998                     |             | None |
| Pipe (17) BR09 Underdrain                            | 2.478      | Pipe            | 16.518      |             | 0.6                            | 150                        | 109.522                  | 108.350                   | 109.703                    | 108.200                     |             | None |
| Pipe (18) BR10 Underdrain                            | 5.563      | Pipe            | 111.252     |             | 0.6                            | 150                        | 109.433                  | 108.250                   | 109.703                    | 108.200                     |             | None |
| Pipe (19) BR11 Underdrain                            | 2.111      | Pipe            | 7.038       |             | 0.6                            | 150                        | 109.671                  | 108.500                   | 109.500                    | 108.200                     |             | None |
| No Delay (12) PorousPaving11-SW08                    | 5.303      | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| No Delay (13) PorousPaving12-SW08                    | 6.376      | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| No Delay (14) PorousPaving14-SW06                    | 7.636      | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| Pipe (20) BR08 Underdrain                            | 4.893      | Pipe            | 9.925       |             | 0.6                            | 150                        | 109.621                  | 108.450                   | 109.700                    | 107.957                     |             | All  |
| Pipe (21) BR07 Underdrain                            | 5.402      | Pipe            | 10.655      |             | 0.6                            | 150                        | 109.628                  | 108.450                   | 109.701                    | 107.943                     |             | All  |
| No Delay (15) PorousPaving17-SW04                    | 5.520      | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| No Delay (16) PorousPaving10-SW17                    | 7.018      | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| Pipe (22) BR01 Underdrain                            | 6.235      | Pipe            | 103.923     |             | 0.6                            | 150                        | 109.631                  | 108.450                   | 109.607                    | 108.390                     |             | None |
| No Delay (18) PorousUnderImpBusDropoffA-SW13         | 36.724     | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| Pipe (24) PorousParking02-SW11                       | 7.519      | Pipe            | 9.095       |             | 0.6                            | 150                        | 109.697                  | 109.037                   | 109.609                    | 108.210                     |             | None |
| Pipe (25) BR03 Underdrain                            | 8.766      | Pipe            | 25.484      |             | 0.6                            | 150                        | 109.616                  | 108.450                   | 109.800                    | 108.106                     |             | None |
| Pipe (26) BR02 Underdrain                            | 4.533      | Pipe            | 13.056      |             | 0.6                            | 150                        | 109.635                  | 108.453                   | 109.800                    | 108.106                     |             | None |
| Pipe (27) BR05 Underdrain                            | 8.925      | Pipe            | 5.961       |             | 0.6                            | 150                        | 108.697                  | 107.515                   | 108.350                    | 106.018                     |             | None |
| Pipe (28) BR06 Underdrain                            | 10.746     | Pipe            | 4.814       |             | 0.6                            | 150                        | 109.431                  | 108.250                   | 108.350                    | 106.018                     |             | None |
| No Delay (20) PorousParking03-SW15                   | 11.486     | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| No Delay (21) PorousUnderImpAccessRd07-SW15          | 7.256      | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| No Delay (23) PorousPaving09-SW18                    | 6.745      | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| Pipe (31) SW09-TANK1                                 | 2.971      | Pipe            | 59.421      |             | 0.6                            | 225                        | 109.064                  | 106.350                   | 108.455                    | 106.300                     |             | All  |
| No Delay (26) PorousUnderImpAccessRd02-SW11          | 8.627      | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| No Delay (29) PorousUnderImpAccessRd02a-BR02         | 11.825     | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| No Delay (30) PorousUnderImpAccessRd02a-BR02         | 10.293     | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| No Delay (31) PorousUnderImpAccessRd03-SW12viaPPCP15 | 9.738      | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| No Delay (25) PorousUnderImpAccessRd04-SW14          | 9.976      | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| No Delay (6) PorousPaving07-SW19                     | 27.697     | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| No Delay (19) PorousUnderImpAccessRd06-SW15          | 10.053     | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| No Delay (27) PorousPaving17a-SW03                   | 4.421      | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| Pipe (11) SW15-TANK2                                 | 8.647      | Pipe            | 19.323      |             | 0.6                            | 300                        | 108.100                  | 105.948                   | 108.000                    | 105.500                     |             | None |
| No Delay (24) PorousPavingMUGA-TANK1                 | 6.891      | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| Pipe (12) TANK1-SW17                                 | 3.889      | Pipe            | 300.000     |             | 0.6                            | 300                        | 108.455                  | 106.300                   | 109.661                    | 106.287                     |             | None |
| Pipe (13) SW17-SW18                                  | 23.995     | Pipe            | 300.000     |             | 0.6                            | 300                        | 109.661                  | 106.287                   | 109.652                    | 106.207                     |             | None |
| Pipe (14) SW18-SW19                                  | 23.817     | Pipe            | 300.000     |             | 0.6                            | 300                        | 109.652                  | 106.207                   | 109.612                    | 106.128                     |             | All  |
| No Delay (32) PorousPaving04c-BR04                   | 3.045      | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| No Delay (17) PorousUnderImpBusDropoffB-SW13         | 8.056      | No Delay        |             |             |                                |                            |                          |                           |                            |                             |             |      |
| Pipe (23) BioRet04 Underdrain                        | 9.556      | Pipe            | 58.374      |             | 0.6                            | 150                        | 107.606                  | 106.400                   | 107.800                    | 106.236                     |             | All  |

|                                                                                                  |                                                                                                                 |                           |                            |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL | Date:<br>18/03/2026                                                                                             |                           |                            |
|                                                                                                  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |
|                                                                                                  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |



|                                                                    |        |          |         |  |     |     |         |         |         |         |  |      |
|--------------------------------------------------------------------|--------|----------|---------|--|-----|-----|---------|---------|---------|---------|--|------|
| Pipe (33)<br>PorousPavingMUGA<br>(TennisCourts)-SW23               | 1.742  | Pipe     | 150.000 |  | 0.6 | 150 | 112.046 | 111.320 | 111.750 | 111.308 |  | All  |
| Pipe (34) Sw23-24                                                  | 21.234 | Pipe     | 17.844  |  | 0.6 | 100 | 111.750 | 110.850 | 110.410 | 109.660 |  | None |
| Pipe SW01-SW01A                                                    | 24.723 | Pipe     | 100.093 |  | 0.6 | 150 | 109.665 | 108.665 | 109.673 | 108.418 |  | None |
| Pipe (36) SW01A-SW02                                               | 7.729  | Pipe     | 54.047  |  | 0.6 | 150 | 109.673 | 108.418 | 109.500 | 108.275 |  | All  |
| Pipe (35) Sw24-SW01a                                               | 13.101 | Pipe     | 10.548  |  | 0.6 | 100 | 110.410 | 109.660 | 109.673 | 108.418 |  | None |
| Pipe (38) SW20-SW21                                                | 22.191 | Pipe     | 85.349  |  | 0.6 | 150 | 107.650 | 103.970 | 104.950 | 103.710 |  | None |
| Pipe (39) SW21-SW22                                                | 19.656 | Pipe     | 78.624  |  | 0.6 | 150 | 104.950 | 103.710 | 104.700 | 103.460 |  | None |
| Pipe (40) SW22-ExSW08                                              | 11.614 | Pipe     | 77.430  |  | 0.6 | 150 | 104.700 | 103.460 | 104.510 | 103.310 |  | None |
| Pipe (30) TANK2-SW19                                               | 6.897  | Pipe     | 302.940 |  | 0.6 | 300 | 108.000 | 105.500 | 109.612 | 105.477 |  | All  |
| Pipe (29) SW16-SW19                                                | 33.746 | Pipe     | 80.000  |  | 0.6 | 150 | 109.650 | 108.600 | 109.612 | 108.178 |  | All  |
| Pipe (32) ExSWMH49-<br>SW12A                                       | 23.776 | Pipe     | 60.000  |  | 0.6 | 150 | 110.474 | 109.280 | 109.800 | 108.884 |  | All  |
| Pipe (41) SW12A-<br>SW12viaPPCP15                                  | 14.986 | Pipe     | 19.268  |  | 0.6 | 150 | 109.800 | 108.884 | 109.800 | 108.106 |  | None |
| No Delay (2)<br>PorousPaving04b-BR04                               | 2.990  | No Delay |         |  |     |     |         |         |         |         |  |      |
| No Delay (22)<br>PorousPaving04a-<br>PorousUnderImpBusDropo<br>ffA | 4.743  | No Delay |         |  |     |     |         |         |         |         |  |      |
| Pipe (37) SW19 FC Outfall                                          | 2.554  | Pipe     | 150.000 |  | 0.6 | 150 | 109.612 | 105.475 | 109.400 | 105.458 |  | All  |
| Pipe (37) (1) SW19 FC<br>Oufall                                    | 21.080 | Pipe     | 150.000 |  | 0.6 | 150 | 109.400 | 105.458 | 107.650 | 105.317 |  | All  |
| Pipe (41) SW19 Overflow                                            | 2.554  | Pipe     | 1.425   |  | 0.6 | 150 | 109.612 | 107.250 | 0.100   | 105.458 |  | All  |
| Pipe (42) BR01 Overflow                                            | 6.424  | Pipe     | 5.788   |  | 0.6 | 100 | 109.631 | 109.500 | 109.607 | 108.390 |  | All  |
| Pipe (43) BR02 Overflow                                            | 4.352  | Pipe     | 3.115   |  | 0.6 | 100 | 109.635 | 109.503 | 109.800 | 108.106 |  | All  |
| Pipe (44) BR03 Overflow                                            | 8.781  | Pipe     | 6.299   |  | 0.6 | 100 | 109.616 | 109.500 | 109.800 | 108.106 |  | All  |
| Pipe (45) BR04 Overflow                                            | 9.179  | Pipe     | 6.724   |  | 0.6 | 100 | 107.606 | 107.450 | 107.800 | 106.085 |  | All  |
| Pipe (46) BR05 Overflow                                            | 9.001  | Pipe     | 3.533   |  | 0.6 | 100 | 108.697 | 108.565 | 108.350 | 106.018 |  | All  |
| Pipe (47) BR06 Overflow                                            | 10.953 | Pipe     | 3.337   |  | 0.6 | 100 | 109.431 | 109.300 | 108.350 | 106.018 |  | All  |
| Pipe (48) BR07 Overflow                                            | 5.773  | Pipe     | 2.510   |  | 0.6 | 100 | 109.628 | 109.500 | 109.701 | 107.200 |  | All  |
| Pipe (49) BR08 Overflow                                            | 4.956  | Pipe     | 3.063   |  | 0.6 | 100 | 109.621 | 109.500 | 109.700 | 107.882 |  | All  |
| Pipe (50) BR09 Overflow                                            | 2.016  | Pipe     | 1.680   |  | 0.6 | 100 | 109.522 | 109.400 | 109.703 | 108.200 |  | All  |
| Pipe (51) BR10 Overflow                                            | 5.640  | Pipe     | 5.127   |  | 0.6 | 100 | 109.433 | 109.300 | 109.703 | 108.200 |  | All  |
| Pipe (52) BR11 Overflow                                            | 1.480  | Pipe     | 1.096   |  | 0.6 | 100 | 109.671 | 109.550 | 109.500 | 108.200 |  | All  |
| No Delay (11)<br>PorousParking01-BR11                              | 15.548 | No Delay |         |  |     |     |         |         |         |         |  |      |
| No Delay (28)<br>PorousPaving19-BR11                               | 14.808 | No Delay |         |  |     |     |         |         |         |         |  |      |

| Name                                                | Flow<br>Restriction<br>(L/s) | Culvert Type | Culvert<br>Entrance |
|-----------------------------------------------------|------------------------------|--------------|---------------------|
| No Delay PorousPaving01-<br>BR01                    |                              |              |                     |
| No Delay (1)<br>PorousPaving02-<br>PorousParking02  |                              |              |                     |
| No Delay (4)<br>PorousPaving06-BR06                 |                              |              |                     |
| No Delay (3)<br>PorousPaving05-BR05                 |                              |              |                     |
| No Delay (5)<br>PorousPaving03-BR03                 |                              |              |                     |
| No Delay (7)<br>PorousPaving13-BR07                 |                              |              |                     |
| No Delay (8)<br>PorousPaving15-BR08                 |                              |              |                     |
| No Delay (9)<br>PorousPaving16-BR09                 |                              |              |                     |
| No Delay (10)<br>PorousPaving18-BR10                |                              |              |                     |
| Pipe (2) SW04-SW05                                  |                              | (None)       | (None)              |
| Pipe (3) SW05-SW06                                  |                              | (None)       | (None)              |
| Pipe (4) SW06-SW08                                  |                              | (None)       | (None)              |
| Pipe (5) SW07-SW08                                  |                              | (None)       | (None)              |
| Pipe (6) SW10-SW11                                  |                              | (None)       | (None)              |
| Pipe (7) SW11-SW12                                  |                              | (None)       | (None)              |
| Pipe (8) SW12-SW14                                  |                              | (None)       | (None)              |
| Pipe (9) SW13-SW14                                  |                              | (None)       | (None)              |
| Pipe (10) SW14-SW15                                 |                              | (None)       | (None)              |
| Pipe (15) SW08-SW09                                 |                              | (None)       | (None)              |
| Pipe (1) SW02-SW03                                  |                              | (None)       | (None)              |
| Pipe (16) SW03-SW04                                 |                              | (None)       | (None)              |
| Pipe (17) BR09 Underdrain                           | 0.0                          | (None)       | (None)              |
| Pipe (18) BR10 Underdrain                           | 0.0                          | (None)       | (None)              |
| Pipe (19) BR11 Underdrain                           | 0.0                          | (None)       | (None)              |
| No Delay (12)<br>PorousPaving11-SW08                |                              |              |                     |
| No Delay (13)<br>PorousPaving12-SW08                |                              |              |                     |
| No Delay (14)<br>PorousPaving14-SW06                |                              |              |                     |
| Pipe (20) BR08 Underdrain                           | 0.0                          | (None)       | (None)              |
| Pipe (21) BR07 Underdrain                           | 0.0                          | (None)       | (None)              |
| No Delay (15)<br>PorousPaving17-SW04                |                              |              |                     |
| No Delay (16)<br>PorousPaving10-SW17                |                              |              |                     |
| Pipe (22) BR01 Underdrain                           | 0.0                          | (None)       | (None)              |
| No Delay (18)<br>PorousUnderImpBusDropo<br>ffA-SW13 |                              |              |                     |
| Pipe (24) PorousParking02<br>-SW11                  | 0.0                          | (None)       | (None)              |
| Pipe (25) BR03 Underdrain                           | 0.0                          | (None)       | (None)              |
| Pipe (26) BR02 Underdrain                           | 0.0                          | (None)       | (None)              |
| Pipe (27) BR05 Underdrain                           | 0.0                          | (None)       | (None)              |

|                                                                                                                    |  |                                                                                                                 |                           |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                   |  | Date:<br>18/03/2026                                                                                             |                           |
|                                                                                                                    |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |
| Report Details:<br>Type: Connections<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Approved By:<br>P Southern                                                                                      |                           |
|                                                                                                                    |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |



|                                                                     |     |        |        |
|---------------------------------------------------------------------|-----|--------|--------|
| Pipe (28) BR06 Underdrain                                           | 0.0 | (None) | (None) |
| No Delay (20)<br>PorousParking03-SW15                               |     |        |        |
| No Delay (21)<br>PorousUnderImpAccessRd<br>07-SW15                  |     |        |        |
| No Delay (23)<br>PorousPaving09-SW18                                |     |        |        |
| Pipe (31) SW09-TANK1                                                |     | (None) | (None) |
| No Delay (26)<br>No Delay (29)<br>PorousUnderImpAccessRd<br>02-SW11 |     |        |        |
| No Delay (30)<br>PorousUnderImpAccessRd<br>02a-BR02                 |     |        |        |
| No Delay (31)<br>PorousUnderImpAccessRd<br>03-SW12viaPPCP15         |     |        |        |
| No Delay (25)<br>PorousUnderImpAccessRd<br>04-SW14                  |     |        |        |
| No Delay (6)<br>PorousPaving07-SW19                                 |     |        |        |
| No Delay (19)<br>PorousUnderImpAccessRd<br>06-SW15                  |     |        |        |
| No Delay (27)<br>PorousPaving17a-SW03                               |     |        |        |
| Pipe (11) SW15-TANK2                                                |     | (None) | (None) |
| No Delay (24)<br>PorousPavingMUGA-<br>TANK1                         |     |        |        |
| Pipe (12) TANK1-SW17                                                |     | (None) | (None) |
| Pipe (13) SW17-SW18                                                 |     | (None) | (None) |
| Pipe (14) SW18-SW19                                                 |     | (None) | (None) |
| No Delay (32)<br>PorousPaving04c-BR04                               |     |        |        |
| No Delay (17)<br>PorousUnderImpBusDropo<br>ffB-SW13                 |     |        |        |
| Pipe (23) BioRet04<br>Underdrain                                    | 0.4 | (None) | (None) |
| Pipe (33)<br>PorousPavingMUGA<br>(TennisCourts)-SW23                | 0.0 | (None) | (None) |
| Pipe (34) Sw23-24                                                   | 1.5 | (None) | (None) |
| Pipe SW01-SW01A                                                     |     | (None) | (None) |
| Pipe (36) SW01A-SW02                                                |     | (None) | (None) |
| Pipe (35) Sw24-SW01a                                                |     | (None) | (None) |
| Pipe (38) SW20-SW21                                                 |     | (None) | (None) |
| Pipe (39) SW21-SW22                                                 |     | (None) | (None) |
| Pipe (40) SW22-ExSW08                                               |     | (None) | (None) |
| Pipe (30) TANK2-SW19                                                |     | (None) | (None) |
| Pipe (29) SW16-SW19                                                 |     | (None) | (None) |
| Pipe (32) ExSWMH49-<br>SW12A                                        |     | (None) | (None) |
| Pipe (41) SW12A-<br>SW12viaPPCP15                                   |     | (None) | (None) |
| No Delay (2)<br>PorousPaving04b-BR04                                |     |        |        |
| No Delay (22)<br>PorousPaving04a-<br>PorousUnderImpBusDropo<br>ffA  |     |        |        |
| Pipe (37) SW19 FC Outfall                                           | 5.4 | (None) | (None) |
| Pipe (37) (1) SW19 FC<br>Oufall                                     |     | (None) | (None) |
| Pipe (41) SW19 Overflow                                             |     | (None) | (None) |
| Pipe (42) BR01 Overflow                                             |     | (None) | (None) |
| Pipe (43) BR02 Overflow                                             |     | (None) | (None) |
| Pipe (44) BR03 Overflow                                             |     | (None) | (None) |
| Pipe (45) BR04 Overflow                                             |     | (None) | (None) |
| Pipe (46) BR05 Overflow                                             |     | (None) | (None) |
| Pipe (47) BR06 Overflow                                             |     | (None) | (None) |
| Pipe (48) BR07 Overflow                                             |     | (None) | (None) |
| Pipe (49) BR08 Overflow                                             |     | (None) | (None) |
| Pipe (50) BR09 Overflow                                             |     | (None) | (None) |
| Pipe (51) BR10 Overflow                                             |     | (None) | (None) |
| Pipe (52) BR11 Overflow                                             |     | (None) | (None) |
| No Delay (11)<br>PorousParking01-BR11                               |     |        |        |
| No Delay (28)<br>PorousPaving19-BR11                                |     |        |        |

|                                                                                                                         |  |                                                                                                                 |                           |                                                                                     |                            |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                        |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Manhole Schedule<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                         |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |

| Name                         | Cover Level (m)<br>Invert Level (m) | Manhole Size (m)            | Connection Details                    |                 |                       |                                  | Type           |
|------------------------------|-------------------------------------|-----------------------------|---------------------------------------|-----------------|-----------------------|----------------------------------|----------------|
| Coordinates (m)              | Depth (m)                           |                             | Incoming Connections                  | Connection Type | Connection Invert (m) | Connection Size (mm)             | Junction Type  |
|                              |                                     |                             | Outgoing Connections                  |                 |                       |                                  | Cover          |
| SW01                         | 109.665<br>108.665                  | Diameter / Length:<br>0.450 |                                       |                 |                       |                                  | Manhole        |
| E:428439.408<br>N:321107.757 | 1.000                               |                             | {a} Pipe SW01-SW01A                   | Pipe            | 108.665               | Diam/Width:150                   | Not Applicable |
| SW02                         | 109.500<br>108.200                  | Diameter / Length:<br>1.050 | {1} Pipe (36) SW01A-SW02              | Pipe            | 108.275               | Diam/Width:150                   | Manhole        |
| E:428424.393<br>N:321078.988 | 1.300                               |                             | {2} Pipe (19) BR11 Underdrain         | Pipe            | 108.200               | Diam/Width:150<br>Diam/Width:100 |                |
|                              |                                     |                             | {3} Pipe (52) BR11 Overflow           | Pipe            | 108.200               |                                  |                |
|                              |                                     |                             | {a} Pipe (1) SW02-SW03                | Pipe            | 108.200               | Diam/Width:225                   | Not Applicable |
| SW04                         | 109.700<br>107.998                  | Diameter / Length:<br>0.600 | {1} Pipe (16) SW03-SW04               | Pipe            | 107.998               | Diam/Width:225                   | Manhole        |
| E:428464.289<br>N:321057.269 | 1.702                               |                             | {2} No Delay (15) PorousPaving17-SW04 | No Delay        | Not Applicable        | Not Applicable                   |                |
|                              |                                     |                             | {a} Pipe (2) SW04-SW05                | Pipe            | 107.998               | Diam/Width:225                   | Not Applicable |
| SW05                         | 109.700<br>107.979                  | Diameter / Length:<br>1.200 | {1} Pipe (2) SW04-SW05                | Pipe            | 107.979               | Diam/Width:225                   | Manhole        |
| E:428465.611<br>N:321053.239 | 1.721                               |                             | {a} Pipe (3) SW05-SW06                | Pipe            | 107.979               | Diam/Width:225                   | Not Applicable |
| SW06                         | 109.700<br>107.882                  | Diameter / Length:<br>0.600 | {1} Pipe (3) SW05-SW06                | Pipe            | 107.882               | Diam/Width:225                   | Manhole        |
| E:428445.066<br>N:321045.831 | 1.818                               |                             | {2} No Delay (14) PorousPaving14-SW06 | No Delay        | Not Applicable        | Not Applicable<br>Diam/Width:150 |                |
|                              |                                     |                             | {3} Pipe (20) BR08 Underdrain         | Pipe            | 107.957               | Diam/Width:100                   |                |
|                              |                                     |                             | {4} Pipe (49) BR08 Overflow           | Pipe            | 107.882               |                                  |                |
|                              |                                     |                             | {a} Pipe (4) SW06-SW08                | Pipe            | 107.882               | Diam/Width:225                   | Not Applicable |

|                                                                                                                         |  |                                                                                                                 |                           |                                                                                     |                            |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                        |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Manhole Schedule<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                         |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |

| Name                         | Cover Level (m)<br>Invert Level (m) | Manhole Size (m)            | Connection Details                              |                 |                       |                      | Type           |
|------------------------------|-------------------------------------|-----------------------------|-------------------------------------------------|-----------------|-----------------------|----------------------|----------------|
| Coordinates (m)              | Depth (m)                           |                             | Incoming Connections                            | Connection Type | Connection Invert (m) | Connection Size (mm) | Junction Type  |
|                              |                                     |                             | Outgoing Connections                            |                 |                       |                      | Cover          |
| SW08                         | 109.701<br>107.200                  | Diameter / Length:<br>1.200 | {1} Pipe (4) SW06-SW08                          | Pipe            | 107.793               | Diam/Width:225       | Manhole        |
| E:428426.319<br>N:321038.994 | 2.501                               |                             | {2} Pipe (21) BR07 Underdrain                   | Pipe            | 107.943               | Diam/Width:150       |                |
|                              |                                     |                             | {3} Pipe (5) SW07-SW08                          | Pipe            |                       | Diam/Width:150       |                |
|                              |                                     |                             | {4} No Delay (12) PorousPaving11-SW08           | No Delay        | 107.868               | Not Applicable       |                |
|                              |                                     |                             | {5} No Delay (13) PorousPaving12-SW08           | No Delay        | Not Applicable        | Not Applicable       |                |
|                              |                                     |                             | {6} Pipe (48) BR07 Overflow                     | Pipe            | 107.200               | Diam/Width:100       |                |
|                              |                                     |                             | {a} Pipe (15) SW08-SW09                         | Pipe            | 107.200               | Diam/Width:225       | Not Applicable |
| SW07                         | 109.703<br>108.200                  | Diameter / Length:<br>0.450 | {1} Pipe (17) BR09 Underdrain                   | Pipe            | 108.200               | Diam/Width:150       | Manhole        |
| E:428432.558<br>N:321050.901 | 1.503                               |                             | {2} Pipe (18) BR10 Underdrain                   | Pipe            | 108.200               | Diam/Width:150       |                |
|                              |                                     |                             | {3} Pipe (50) BR09 Overflow                     | Pipe            | 108.200               | Diam/Width:100       |                |
|                              |                                     |                             | {4} No Delay (26)                               | No Delay        | 108.200               | Not Applicable       |                |
|                              |                                     |                             | {5} Pipe (51) BR10 Overflow                     | Pipe            | Not Applicable        | Diam/Width:100       |                |
|                              |                                     |                             | {a} Pipe (5) SW07-SW08                          | Pipe            | 108.200               | Diam/Width:150       |                |
| SW10                         | 109.607<br>108.390                  | Diameter / Length:<br>0.600 | {1} Pipe (22) BR01 Underdrain                   | Pipe            | 108.390               | Diam/Width:150       | Manhole        |
| E:428457.751<br>N:321101.031 | 1.217                               |                             | {2} Pipe (42) BR01 Overflow                     | Pipe            | 108.390               | Diam/Width:100       |                |
|                              |                                     |                             | {a} Pipe (6) SW10-SW11                          | Pipe            | 108.390               | Diam/Width:225       |                |
| SW11                         | 109.609<br>108.210                  | Diameter / Length:<br>1.200 | {1} Pipe (6) SW10-SW11                          | Pipe            | 108.210               | Diam/Width:225       | Manhole        |
| E:428493.614<br>N:321082.160 | 1.399                               |                             | {2} Pipe (24) PorousParking02-SW11              | Pipe            | 108.210               | Diam/Width:150       |                |
|                              |                                     |                             | {3} No Delay (29) PorousUnderImpAccessRd02-SW11 | No Delay        | Not Applicable        | Not Applicable       |                |
|                              |                                     |                             | {a} Pipe (7) SW11-SW12                          | Pipe            | 108.210               | Diam/Width:225       |                |

|                                                                                                                         |  |                                                                                                                 |                           |                                                                                     |                            |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                        |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Manhole Schedule<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                         |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |

| Name                         | Cover Level (m)<br>Invert Level (m) | Manhole Size (m)            | Connection Details                                       |                 |                       |                      | Type           |
|------------------------------|-------------------------------------|-----------------------------|----------------------------------------------------------|-----------------|-----------------------|----------------------|----------------|
| Coordinates (m)              | Depth (m)                           |                             | Incoming Connections                                     | Connection Type | Connection Invert (m) | Connection Size (mm) | Junction Type  |
|                              |                                     |                             | Outgoing Connections                                     |                 |                       |                      | Cover          |
| SW12                         | 109.800<br>108.106                  | Diameter / Length:<br>1.200 | {1} Pipe (7) SW11-SW12                                   | Pipe            | 108.106               | Diam/Width:225       | Manhole        |
| E:428514.152<br>N:321071.175 | 1.694                               |                             | {2} Pipe (25) BR03 Underdrain                            | Pipe            | 108.106               | Diam/Width:150       |                |
|                              |                                     |                             | {3} Pipe (26) BR02 Underdrain                            | Pipe            | 108.106               | Diam/Width:150       |                |
|                              |                                     |                             |                                                          | No Delay        | 108.106               | Not Applicable       |                |
|                              |                                     |                             | {4} No Delay (31) PorousUnderImpAccessRd03-SW12viaPPCP15 | Pipe            | Not Applicable        | Diam/Width:150       |                |
|                              |                                     |                             | {5} Pipe (41) SW12A-SW12viaPPCP15                        | Pipe            | 108.106               | Diam/Width:100       |                |
|                              |                                     |                             |                                                          | Pipe            | 108.106               | Diam/Width:100       |                |
|                              |                                     |                             | {6} Pipe (43) BR02 Overflow                              |                 | 108.106               |                      |                |
|                              |                                     | {7} Pipe (44) BR03 Overflow |                                                          |                 |                       |                      |                |
|                              |                                     |                             | {a} Pipe (8) SW12-SW14                                   | Pipe            | 108.106               | Diam/Width:225       | Not Applicable |
| SW14                         | 108.350<br>106.018                  | Diameter / Length:<br>1.200 | {1} Pipe (8) SW12-SW14                                   | Pipe            | 106.093               | Diam/Width:225       | Manhole        |
| E:428540.052<br>N:321056.975 | 2.333                               |                             | {2} Pipe (9) SW13-SW14                                   | Pipe            | 106.018               | Diam/Width:300       |                |
|                              |                                     |                             | {3} Pipe (27) BR05 Underdrain                            | Pipe            | 106.018               | Diam/Width:150       |                |
|                              |                                     |                             |                                                          | No Delay        | 106.018               | Not Applicable       |                |
|                              |                                     |                             | {4} No Delay (25) PorousUnderImpAccessRd04-SW14          | Pipe            | Not Applicable        | Diam/Width:150       |                |
|                              |                                     |                             | {5} Pipe (28) BR06 Underdrain                            | Pipe            | 106.018               | Diam/Width:100       |                |
|                              |                                     |                             |                                                          | Pipe            | 106.018               | Diam/Width:100       |                |
|                              |                                     |                             | {6} Pipe (46) BR05 Overflow                              |                 | 106.018               |                      |                |
|                              |                                     | {7} Pipe (47) BR06 Overflow |                                                          |                 |                       |                      |                |
|                              |                                     |                             | {a} Pipe (10) SW14-SW15                                  | Pipe            | 106.018               | Diam/Width:300       | Not Applicable |
| SW13                         | 107.800<br>106.085                  | Diameter / Length:<br>1.200 | {1} No Delay (18) PorousUnderImpBusDrop offA-SW13        | No Delay        | Not Applicable        | Not Applicable       | Manhole        |
| E:428559.563<br>N:321060.726 | 1.715                               |                             |                                                          | Pipe            | 106.236               | Diam/Width:150       |                |
|                              |                                     |                             | {2} Pipe (23) BioRet04 Underdrain                        | No Delay        | Not Applicable        | Not Applicable       |                |
|                              |                                     |                             | {3} No Delay (17) PorousUnderImpBusDrop offB-SW13        | Pipe            | 106.085               | Diam/Width:100       |                |
|                              |                                     |                             |                                                          |                 |                       |                      |                |
|                              |                                     |                             |                                                          |                 |                       |                      |                |
|                              |                                     |                             | {a} Pipe (9) SW13-SW14                                   | Pipe            | 106.085               | Diam/Width:300       | Not Applicable |

|                                                                                                                 |                                                                                                                         |                           |                            |                                                                                     |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                | Date:<br>18/03/2026                                                                                                     |                           |                            |  |
|                                                                                                                 | Designed by:<br>A Jones                                                                                                 | Checked by:<br>P Southern | Approved By:<br>P Southern |                                                                                     |
|                                                                                                                 | Report Details:<br>Type: Manhole Schedule<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |                           |                            |                                                                                     |
| Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                                                                                                                         |                           |                            |                                                                                     |

| Name                         | Cover Level (m)<br>Invert Level (m) | Manhole Size (m)            | Connection Details                                     |                 |                       |                      | Type           |
|------------------------------|-------------------------------------|-----------------------------|--------------------------------------------------------|-----------------|-----------------------|----------------------|----------------|
| Coordinates (m)              | Depth (m)                           |                             | Incoming Connections                                   | Connection Type | Connection Invert (m) | Connection Size (mm) | Junction Type  |
|                              |                                     |                             | Outgoing Connections                                   |                 |                       |                      | Cover          |
| SW15                         | 108.100<br>105.948                  | Diameter / Length:<br>1.200 | {1} Pipe (10) SW14-SW15                                | Pipe            | 105.948               | Diam/Width:300       | Manhole        |
| E:428530.100<br>N:321038.467 | 2.152                               |                             | {2} No Delay (21)<br>PorousUnderImpAccessR<br>d07-SW15 | No Delay        | Not Applicable        | Not Applicable       |                |
|                              |                                     |                             |                                                        | No Delay        | Not Applicable        | Not Applicable       |                |
|                              |                                     |                             | {3} No Delay (20)<br>PorousParking03-SW15              | No Delay        | Not Applicable        |                      |                |
|                              |                                     |                             | {4} No Delay (19)<br>PorousUnderImpAccessR<br>d06-SW15 |                 |                       |                      |                |
|                              |                                     | {a} Pipe (11) SW15-TANK2    | Pipe                                                   | 105.948         | Diam/Width:300        | Not Applicable       |                |
| SW19 FC                      | 109.612<br>105.475                  | Diameter / Length:<br>1.200 | {1} Pipe (14) SW18-SW19                                | Pipe            | 106.128               | Diam/Width:300       | Manhole        |
| E:428476.540<br>N:321026.261 | 4.137                               |                             | {2} No Delay (6)<br>PorousPaving07-SW19                | No Delay        | Not Applicable        | Not Applicable       |                |
|                              |                                     |                             |                                                        | Pipe            | 105.477               | Diam/Width:300       |                |
|                              |                                     |                             | {3} Pipe (30) TANK2-SW19                               | Pipe            |                       | Diam/Width:150       |                |
|                              |                                     |                             | {4} Pipe (29) SW16-SW19                                |                 | 108.178               |                      |                |
|                              |                                     |                             | {a} Pipe (37) SW19 FC Outfall                          | Pipe            | 105.475               | Diam/Width:150       | Not Applicable |
|                              |                                     | {b} Pipe (41) SW19 Overflow | Pipe                                                   | 107.250         | Diam/Width:150        |                      |                |
| SW18                         | 109.652<br>106.207                  | Diameter / Length:<br>1.200 | {1} No Delay (23)<br>PorousPaving09-SW18               | No Delay        | Not Applicable        | Not Applicable       | Manhole        |
| E:428454.098<br>N:321018.284 | 3.445                               |                             |                                                        | Pipe            | 106.207               | Diam/Width:300       |                |
|                              |                                     |                             | {2} Pipe (13) SW17-SW18                                |                 |                       |                      |                |
|                              |                                     | {a} Pipe (14) SW18-SW19     | Pipe                                                   | 106.207         | Diam/Width:300        | Not Applicable       |                |
| SW17                         | 109.661<br>106.287                  | Diameter / Length:<br>1.200 | {1} No Delay (16)<br>PorousPaving10-SW17               | No Delay        | Not Applicable        | Not Applicable       | Manhole        |
| E:428431.503<br>N:321010.208 | 3.374                               |                             |                                                        | Pipe            | 106.287               | Diam/Width:300       |                |
|                              |                                     |                             | {2} Pipe (12) TANK1-SW17                               |                 |                       |                      |                |
|                              |                                     | {a} Pipe (13) SW17-SW18     | Pipe                                                   | 106.287         | Diam/Width:300        | Not Applicable       |                |
| SW09                         | 109.064<br>106.350                  | Diameter / Length:<br>1.200 | {1} Pipe (15) SW08-SW09                                | Pipe            | 106.350               | Diam/Width:225       | Manhole        |
| E:428415.320<br>N:321018.161 | 2.714                               |                             |                                                        |                 |                       |                      |                |
|                              |                                     |                             | {a} Pipe (31) SW09-TANK1                               | Pipe            | 106.350               | Diam/Width:225       | Not Applicable |

|                                                                                                                         |  |                                                                                                                 |                           |                                                                                     |                            |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                        |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Manhole Schedule<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                         |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |

| Name                         | Cover Level (m)<br>Invert Level (m) | Manhole Size (m)            | Connection Details                                       |                 |                       |                      | Type           |
|------------------------------|-------------------------------------|-----------------------------|----------------------------------------------------------|-----------------|-----------------------|----------------------|----------------|
| Coordinates (m)              | Depth (m)                           |                             | Incoming Connections                                     | Connection Type | Connection Invert (m) | Connection Size (mm) | Junction Type  |
|                              |                                     |                             | Outgoing Connections                                     |                 |                       |                      | Cover          |
| SW03                         | 109.465<br>108.103                  | Diameter / Length:<br>0.600 | {1} Pipe (1) SW02-SW03                                   | Pipe            | 108.103               | Diam/Width:225       | Manhole        |
| E:428443.640<br>N:321068.593 | 1.362                               |                             | {2} No Delay (27)<br>PorousPaving17a-SW03                | No Delay        | Not Applicable        | Not Applicable       |                |
|                              |                                     |                             | {a} Pipe (16) SW03-SW04                                  | Pipe            | 108.103               | Diam/Width:225       | Not Applicable |
| SW23 FC                      | 111.750<br>110.850                  | Diameter / Length:<br>0.600 | {1} Pipe (33)<br>PorousPavingMUGA<br>(TennisCourts)-SW23 | Pipe            | 111.308               | Diam/Width:150       | Manhole        |
| E:428426.290<br>N:321110.873 | 0.900                               |                             | {a} Pipe (34) Sw23-24                                    | Pipe            | 110.850               | Diam/Width:100       | Not Applicable |
| SW24                         | 110.410<br>109.660                  | Diameter / Length:<br>0.450 | {1} Pipe (34) Sw23-24                                    | Pipe            | 109.660               | Diam/Width:100       | Manhole        |
| E:428416.440<br>N:321092.062 | 0.750                               |                             | {a} Pipe (35) Sw24-SW01a                                 | Pipe            | 109.660               | Diam/Width:100       | Not Applicable |
| SW01a                        | 109.673<br>108.418                  | Diameter / Length:<br>0.450 | {1} Pipe SW01-SW01A                                      | Pipe            | 108.418               | Diam/Width:150       | Manhole        |
| E:428427.969<br>N:321085.840 | 1.255                               |                             | {2} Pipe (35) Sw24-SW01a                                 | Pipe            | 108.418               | Diam/Width:100       |                |
|                              |                                     |                             | {a} Pipe (36) SW01A-SW02                                 | Pipe            | 108.418               | Diam/Width:150       | Not Applicable |
| SW20                         | 107.650<br>103.970                  | Diameter / Length:<br>1.200 | {1} Pipe (37) (1) SW19<br>FC Outfall                     | Pipe            | 105.317               | Diam/Width:150       | Manhole        |
| E:428486.027<br>N:321004.615 | 3.680                               |                             | {a} Pipe (38) SW20-SW21                                  | Pipe            | 103.970               | Diam/Width:150       | Not Applicable |
| SW21                         | 104.950<br>103.710                  | Diameter / Length:<br>0.450 | {1} Pipe (38) SW20-SW21                                  | Pipe            | 103.710               | Diam/Width:150       | Manhole        |
| E:428505.285<br>N:320993.591 | 1.240                               |                             | {a} Pipe (39) SW21-SW22                                  | Pipe            | 103.710               | Diam/Width:150       | Not Applicable |
| SW22                         | 104.700<br>103.460                  | Diameter / Length:<br>0.450 | {1} Pipe (39) SW21-SW22                                  | Pipe            | 103.460               | Diam/Width:150       | Manhole        |
| E:428512.315<br>N:320975.235 | 1.240                               |                             | {a} Pipe (40) SW22-ExSW08                                | Pipe            | 103.460               | Diam/Width:150       | Not Applicable |
| EX.SW08<br>Infants&Nursery   | 104.510<br>103.310                  | Diameter / Length:<br>0.450 | {1} Pipe (40) SW22-ExSW08                                | Pipe            | 103.310               | Diam/Width:150       | Manhole        |
| E:428523.314<br>N:320978.963 | 1.200                               |                             |                                                          |                 |                       |                      | Not Applicable |
| SW16                         | 109.650<br>108.600                  | Diameter / Length:<br>0.450 |                                                          |                 |                       |                      | Manhole        |
| E:428508.239<br>N:321037.836 | 1.050                               |                             | {a} Pipe (29) SW16-SW19                                  | Pipe            | 108.600               | Diam/Width:150       | Not Applicable |

|                                                                                                                         |  |                                                                                                                 |                           |                            |                                                                                     |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                        |  | Date:<br>18/03/2026                                                                                             |                           |                            |  |
|                                                                                                                         |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |                                                                                     |
| Report Details:<br>Type: Manhole Schedule<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |                                                                                     |

| Name                         | Cover Level (m)<br>Invert Level (m) | Manhole Size (m)                                | Connection Details                |                 |                       |                      | Type            |
|------------------------------|-------------------------------------|-------------------------------------------------|-----------------------------------|-----------------|-----------------------|----------------------|-----------------|
| Coordinates (m)              | Depth (m)                           |                                                 | Incoming Connections              | Connection Type | Connection Invert (m) | Connection Size (mm) | Junction Type   |
|                              |                                     |                                                 | Outgoing Connections              |                 |                       |                      | Cover           |
| Ex SWMH49                    | 110.474<br>109.280                  | Diameter / Length:<br>1.200<br><br>Width: 0.600 |                                   |                 |                       |                      | Manhole         |
| E:428527.604<br>N:321106.788 | 1.194                               |                                                 | {a} Pipe (32) ExSWMH49-SW12A      | Pipe            | 109.280               | Diam/Width:150       | Not Applicable  |
| SW12A                        | 109.800<br>108.884                  | Diameter / Length:<br>0.450                     | {1} Pipe (32) ExSWMH49-SW12A      | Pipe            | 108.884               | Diam/Width:150       | Manhole         |
| E:428515.978<br>N:321086.049 | 0.916                               |                                                 | {a} Pipe (41) SW12A-SW12viaPPCP15 | Pipe            | 108.884               | Diam/Width:150       | Not Applicable  |
| Simple Junction              |                                     | Diameter / Length:<br>1.200                     | {1} Pipe (37) SW19 FC Outfall     | Pipe            | 105.458               | Diam/Width:150       | Simple Junction |
| E:428477.565<br>N:321023.921 |                                     |                                                 | {2} Pipe (41) SW19 Overflow       | Pipe            | 105.458               | Diam/Width:150       |                 |
|                              |                                     |                                                 | {a} Pipe (37) (1) SW19 FC Outfall | Pipe            | 105.458               | Diam/Width:150       | Not Applicable  |

|                                                                                                                 |                                                                                                                       |                           |                            |                                                                                     |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                | Date:<br>18/03/2026                                                                                                   |                           |                            |  |
|                                                                                                                 | Designed by:<br>A Jones                                                                                               | Checked by:<br>P Southern | Approved By:<br>P Southern |                                                                                     |
|                                                                                                                 | Report Details:<br>Type: Inflow Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |                           |                            |                                                                                     |
| Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                                                                                                                       |                           |                            |                                                                                     |

| Inflow Label                                 | Connected To                       | Flow (L/s) | Runoff Method         | Area (ha) | Percentage Impervious (%) | Urban Creep (%) | Adjusted Percentage Impervious (%) | Area Analysed (ha) |
|----------------------------------------------|------------------------------------|------------|-----------------------|-----------|---------------------------|-----------------|------------------------------------|--------------------|
| Catchment Area - Ex Runoff from Sloped Areas | Porous Paving MUGA (Tennis Courts) |            | Time of Concentration | 0.115     | 100                       | 0               | 100                                | 0.115              |
| Catchment Area - Tennis Courts               | Porous Paving MUGA (Tennis Courts) |            | Time of Concentration | 0.178     | 100                       | 0               | 100                                | 0.178              |
| Catchment Area (Mid Access Rd N)             | Ex SWMH49                          |            | Time of Concentration | 0.014     | 100                       | 10              | 110                                | 0.016              |
| Catchment Area (Mid Access Rd S)             | Porous Under Imp Bus Drop Off a    |            | Time of Concentration | 0.009     | 100                       | 10              | 110                                | 0.010              |
| Catchment Area Access Road 01                | Porous Parking 01                  |            | Time of Concentration | 0.019     | 100                       | 10              | 110                                | 0.021              |
| Catchment Area Access Road 01a               | Porous Under Imp Acces Road 02     |            | Time of Concentration | 0.019     | 100                       | 10              | 110                                | 0.021              |
| Catchment Area Access Road 02                | Porous Under Imp Acces Road 02     |            | Time of Concentration | 0.035     | 100                       | 10              | 110                                | 0.038              |
| Catchment Area Access Road 03                | Porous Under Imp Acces Road 03     |            | Time of Concentration | 0.010     | 100                       | 10              | 110                                | 0.011              |
| Catchment Area Access Road 04                | Porous Under Imp Acces Road 04     |            | Time of Concentration | 0.027     | 100                       | 10              | 110                                | 0.030              |
| Catchment Area Access Road 06                | Porous Under Imp Acces Road 06     |            | Time of Concentration | 0.011     | 100                       | 10              | 110                                | 0.012              |
| Catchment Area Access Road 07                | Porous Under Acces Road 07         |            | Time of Concentration | 0.025     | 100                       | 10              | 110                                | 0.027              |
| Catchment Area Bio Ret 01                    | Bioretention 01                    |            | Time of Concentration | 0.005     | 100                       | 0               | 100                                | 0.005              |
| Catchment Area Bio Ret 02                    | Bioretention 02                    |            | Time of Concentration | 0.005     | 100                       | 0               | 100                                | 0.005              |
| Catchment Area Bio Ret 03                    | Bioretention 03                    |            | Time of Concentration | 0.004     | 100                       | 0               | 100                                | 0.004              |
| Catchment Area Bio Ret 04                    | Bioretention 04                    |            | Time of Concentration | 0.012     | 100                       | 0               | 100                                | 0.012              |
| Catchment Area Bio Ret 05                    | Bioretention 05                    |            | Time of Concentration | 0.009     | 100                       | 0               | 100                                | 0.009              |
| Catchment Area Bio Ret 06                    | Bioretention 06                    |            | Time of Concentration | 0.007     | 100                       | 0               | 100                                | 0.007              |
| Catchment Area Bio Ret 07                    | Bioretention 07                    |            | Time of Concentration | 0.003     | 100                       | 0               | 100                                | 0.003              |
| Catchment Area Bio Ret 08                    | Bioretention 08                    |            | Time of Concentration | 0.002     | 100                       | 0               | 100                                | 0.002              |
| Catchment Area Bio Ret 09                    | Bioretention 09                    |            | Time of Concentration | 0.003     | 100                       | 0               | 100                                | 0.003              |
| Catchment Area Bio Ret 10                    | Bioretention 10                    |            | Time of Concentration | 0.007     | 100                       | 0               | 100                                | 0.007              |
| Catchment Area Bio Ret 11                    | Bioretention 11                    |            | Time of Concentration | 0.004     | 100                       | 0               | 100                                | 0.004              |
| Catchment Area Bus Drop Off a                | Porous Under Imp Bus Drop Off a    |            | Time of Concentration | 0.020     | 100                       | 10              | 110                                | 0.022              |
| Catchment Area Bus Drop Off b                | Porous Under Imp Bus Drop Off b    |            | Time of Concentration | 0.019     | 100                       | 10              | 110                                | 0.021              |
| Catchment Area Canopy 01                     | SW03                               |            | Time of Concentration | 0.008     | 100                       | 0               | 100                                | 0.008              |
| Catchment Area Canopy 02                     | SW19 FC                            |            | Time of Concentration | 0.005     | 100                       | 0               | 100                                | 0.005              |
| Catchment Area Cycle Stand 01                | SW02                               |            | Time of Concentration | 0.005     | 100                       | 10              | 110                                | 0.005              |
| Catchment Area Cycle Stand 02                | SW18                               |            | Time of Concentration | 0.008     | 100                       | 10              | 110                                | 0.009              |
| Catchment Area Cycle Stand 03                | SW18                               |            | Time of Concentration | 0.006     | 100                       | 10              | 110                                | 0.007              |
| Catchment Area New MUGA                      | Porous Paving MUGA                 |            | Time of Concentration | 0.063     | 100                       | 10              | 110                                | 0.069              |
| Catchment Area Porous Parking 01             | Porous Parking 01                  |            | Time of Concentration | 0.012     | 100                       | 10              | 110                                | 0.013              |
| Catchment Area Porous Parking 02             | Porous Parking 02                  |            | Time of Concentration | 0.009     | 100                       | 10              | 110                                | 0.010              |
| Catchment Area Porous Parking 03             | Porous Parking 03                  |            | Time of Concentration | 0.014     | 100                       | 10              | 110                                | 0.015              |
| Catchment Area porous Paving 01              | Porous Paving 01                   |            | Time of Concentration | 0.008     | 100                       | 10              | 110                                | 0.009              |
| Catchment Area Porous Paving 02              | Porous Paving 02                   |            | Time of Concentration | 0.012     | 100                       | 10              | 110                                | 0.013              |
| Catchment Area Porous Paving 03              | Porous Paving 03                   |            | Time of Concentration | 0.019     | 100                       | 10              | 110                                | 0.021              |
| Catchment Area Porous Paving 04a             | Porous Paving 04a                  |            | Time of Concentration | 0.009     | 100                       | 10              | 110                                | 0.010              |
| Catchment Area Porous Paving 04b             | Porous Paving 04b                  |            | Time of Concentration | 0.003     | 100                       | 10              | 110                                | 0.003              |
| Catchment Area Porous Paving 04c             | Porous Paving 04c                  |            | Time of Concentration | 0.003     | 100                       | 10              | 110                                | 0.003              |
| Catchment Area Porous Paving 05              | Porous Paving 05                   |            | Time of Concentration | 0.010     | 100                       | 10              | 110                                | 0.011              |
| Catchment Area Porous Paving 06              | Porous Paving 06                   |            | Time of Concentration | 0.011     | 100                       | 10              | 110                                | 0.012              |
| Catchment Area Porous Paving 07              | Porous Paving 07                   |            | Time of Concentration | 0.018     | 100                       | 10              | 110                                | 0.020              |
| Catchment Area Porous Paving 08              | Porous Paving 08                   |            | Time of Concentration | 0.016     | 100                       | 10              | 110                                | 0.018              |
| Catchment Area Porous Paving 09              | Porous Paving 09                   |            | Time of Concentration | 0.014     | 100                       | 10              | 110                                | 0.016              |
| Catchment Area Porous Paving 10              | Porous Paving 10                   |            | Time of Concentration | 0.007     | 100                       | 10              | 110                                | 0.008              |
| Catchment Area Porous Paving 11              | Porous Paving 11                   |            | Time of Concentration | 0.019     | 100                       | 10              | 110                                | 0.021              |
| Catchment Area Porous Paving 11a             | Porous Paving 11a                  |            | Time of Concentration | 0.008     | 100                       | 10              | 110                                | 0.009              |
| Catchment Area Porous Paving 12              | Porous Paving 12                   |            | Time of Concentration | 0.011     | 100                       | 10              | 110                                | 0.012              |
| Catchment Area Porous Paving 13              | Porous Paving 13                   |            | Time of Concentration | 0.004     | 100                       | 10              | 110                                | 0.004              |
| Catchment Area Porous Paving 14              | Porous Paving 14                   |            | Time of Concentration | 0.009     | 100                       | 10              | 110                                | 0.010              |
| Catchment Area Porous Paving 15              | Porous Paving 15                   |            | Time of Concentration | 0.004     | 100                       | 10              | 110                                | 0.005              |

|                                                                                                                       |  |  |                                                                                                                 |                           |                            |                                                                                     |  |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                      |  |  | Date:<br>18/03/2026                                                                                             |                           |                            |  |  |
| Report Details:<br>Type: Inflow Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |                                                                                     |  |
|                                                                                                                       |  |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |                                                                                     |  |

|                                  |                                 |     |                       |       |     |    |     |       |
|----------------------------------|---------------------------------|-----|-----------------------|-------|-----|----|-----|-------|
| Catchment Area Porous Paving 16  | Porous Paving 16                |     | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.006 |
| Catchment Area Porous Paving 17  | Porous Paving 17                |     | Time of Concentration | 0.018 | 100 | 10 | 110 | 0.020 |
| Catchment Area Porous Paving 17a | Porous Paving 17a               |     | Time of Concentration | 0.012 | 100 | 10 | 110 | 0.013 |
| Catchment Area Porous Paving 18  | Porous Paving 18                |     | Time of Concentration | 0.008 | 100 | 10 | 110 | 0.009 |
| Catchment Area Porous Paving 19  | Porous Paving 19                |     | Time of Concentration | 0.007 | 100 | 10 | 110 | 0.008 |
| Catchment Area Road 02a          | Porous Under Imp Acces Road 02a |     | Time of Concentration | 0.013 | 100 | 10 | 110 | 0.014 |
| Green Roof 01                    | SW17                            |     | Green Roof            | 0.010 |     | 0  |     | 0.010 |
| Green Roof 02                    | SW18                            |     | Green Roof            | 0.020 |     | 0  |     | 0.020 |
| Green Roof 03                    | SW18                            |     | Green Roof            | 0.020 |     | 0  |     | 0.020 |
| Green Roof 04                    | SW19 FC                         |     | Green Roof            | 0.025 |     | 0  |     | 0.025 |
| Green Roof 05                    | SW19 FC                         |     | Green Roof            | 0.026 |     | 0  |     | 0.026 |
| Green Roof 06                    | SW16                            |     | Green Roof            | 0.020 |     | 0  |     | 0.020 |
| Green Roof 07                    | SW16                            |     | Green Roof            | 0.010 |     | 0  |     | 0.010 |
| Green Roof 08                    | SW08                            |     | Green Roof            | 0.006 |     | 0  |     | 0.006 |
| Green Roof 09                    | SW08                            |     | Green Roof            | 0.011 |     | 0  |     | 0.011 |
| Green Roof 10                    | SW06                            |     | Green Roof            | 0.011 |     | 0  |     | 0.011 |
| Green Roof 11                    | SW05                            |     | Green Roof            | 0.007 |     | 0  |     | 0.007 |
| Green Roof 12                    | SW05                            |     | Green Roof            | 0.002 |     | 0  |     | 0.002 |
| Green Roof 13                    | SW05                            |     | Green Roof            | 0.009 |     | 0  |     | 0.009 |
| Green Roof 14                    | SW05                            |     | Green Roof            | 0.012 |     | 0  |     | 0.012 |
| Green Roof 15                    | SW05                            |     | Green Roof            | 0.007 |     | 0  |     | 0.007 |
| Green Roof 16&17                 | Bioretention 03                 |     | Green Roof            | 0.018 |     | 0  |     | 0.018 |
| Green Roof 18                    | SW04                            |     | Green Roof            | 0.015 |     | 0  |     | 0.015 |
| Green Roof 19                    | SW04                            |     | Green Roof            | 0.014 |     | 0  |     | 0.014 |
| Green Roof 20                    | SW03                            |     | Green Roof            | 0.016 |     | 0  |     | 0.016 |
| Green Roof 21                    | SW03                            |     | Green Roof            | 0.007 |     | 0  |     | 0.007 |
| Green Roof 22                    | SW02                            |     | Green Roof            | 0.007 |     | 0  |     | 0.007 |
| Green Roof 23                    | SW01a                           |     | Green Roof            | 0.016 |     | 0  |     | 0.016 |
| Green Roof 24                    | SW01                            |     | Green Roof            | 0.010 |     | 0  |     | 0.010 |
| Green Roof 25                    | SW10                            |     | Green Roof            | 0.010 |     | 0  |     | 0.010 |
| Green Roof 26                    | SW10                            |     | Green Roof            | 0.022 |     | 0  |     | 0.022 |
| Green Roof 27                    | SW11                            |     | Green Roof            | 0.025 |     | 0  |     | 0.025 |
| Green Roof 28                    | SW11                            |     | Green Roof            | 0.015 |     | 0  |     | 0.015 |
| Green Roof 29                    | SW11                            |     | Green Roof            | 0.008 |     | 0  |     | 0.008 |
| Green Roof 30                    | SW05                            |     | Green Roof            | 0.018 |     | 0  |     | 0.018 |
| Green Roof 31                    | SW05                            |     | Green Roof            | 0.014 |     | 0  |     | 0.014 |
| TOTAL                            |                                 | 0.0 |                       | 1.354 |     |    |     | 1.411 |

|                                                                                                                                |  |                                                                                                                 |                           |                                                                                     |                            |
|--------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                               |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Network Design Criteria<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                                |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |

Flow Options

|                           |                               |
|---------------------------|-------------------------------|
| Peak Flow Calculation     | (UK) Modified Rational Method |
| Min. Time of Entry (mins) | 5                             |
| Max. Travel Time (mins)   | 30                            |

Pipe Options

|                       |                          |
|-----------------------|--------------------------|
| Lock Slope Options    | None                     |
| Design Options        | Minimise Excavation      |
| Design Level          | Level Soffits            |
| Min. Cover Depth (m)  | 1.200                    |
| Min. Slope (1:X)      | 500.00                   |
| Max. Slope (1:X)      | 40.00                    |
| Min. Velocity (m/s)   | 1.0                      |
| Max. Velocity (m/s)   | 3.0                      |
| Use Flow Restriction  | <input type="checkbox"/> |
| Reduce Channel Depths | <input type="checkbox"/> |

Manhole Options

|              |                          |
|--------------|--------------------------|
| Apply Offset | <input type="checkbox"/> |
|--------------|--------------------------|

|                                                                                                                 |  |                         |                           |                                                                                     |                            |
|-----------------------------------------------------------------------------------------------------------------|--|-------------------------|---------------------------|-------------------------------------------------------------------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                |  | Date:<br>18/03/2026     |                           |  |                            |
| Report Title:<br><br>Rainfall Analysis Criteria                                                                 |  | Designed by:<br>A Jones | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
| Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |  |                         |                           |                                                                                     |                            |

|                                 |                          |
|---------------------------------|--------------------------|
| Runoff Type                     | Dynamic                  |
| Output Interval (mins)          | 5                        |
| Time Step                       | Reduced                  |
| Urban Creep                     | Use Catchment Values     |
| Junction Flood Risk Margin (mm) | 300                      |
| Perform No Discharge Analysis   | <input type="checkbox"/> |

|                         |                                     |           |
|-------------------------|-------------------------------------|-----------|
| Rainfall                |                                     |           |
| 01 50% AEP No Surcharge |                                     | Type: FEH |
| Site Location           | GB 428418 321009 SK 28418 21009     |           |
| Rainfall Version        | 2022                                |           |
| Summer                  | <input checked="" type="checkbox"/> |           |
| Winter                  | <input checked="" type="checkbox"/> |           |

|                       |                       |
|-----------------------|-----------------------|
| Return Period         |                       |
| Return Period (years) | Increase Rainfall (%) |
| 2.0                   | 0.000                 |

|                 |                 |
|-----------------|-----------------|
| Storm Durations |                 |
| Duration (mins) | Run Time (mins) |
| 15              | 30              |
| 30              | 60              |
| 60              | 120             |
| 120             | 240             |
| 240             | 480             |
| 360             | 720             |
| 480             | 960             |
| 960             | 1920            |
| 1440            | 2880            |

|                                  |                                     |           |
|----------------------------------|-------------------------------------|-----------|
| 02 3.33% AEP Surcharge Permitted |                                     | Type: FEH |
| Site Location                    | GB 428418 321009 SK 28418 21009     |           |
| Rainfall Version                 | 2022                                |           |
| Summer                           | <input checked="" type="checkbox"/> |           |
| Winter                           | <input checked="" type="checkbox"/> |           |

|                       |                       |
|-----------------------|-----------------------|
| Return Period         |                       |
| Return Period (years) | Increase Rainfall (%) |
| 30.0                  | 0.000                 |

|                 |                 |
|-----------------|-----------------|
| Storm Durations |                 |
| Duration (mins) | Run Time (mins) |
| 15              | 30              |
| 30              | 60              |
| 60              | 120             |
| 120             | 240             |
| 240             | 480             |
| 360             | 720             |
| 480             | 960             |
| 960             | 1920            |
| 1440            | 2880            |

|                                                                                                  |                                                                                                                 |                           |                            |                                                                                     |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|-------------------------------------------------------------------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL | Date:<br>18/03/2026                                                                                             |                           |                            |  |
|                                                                                                  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |                                                                                     |
|                                                                                                  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |                                                                                     |
| Report Title:<br><br>Rainfall Analysis Criteria                                                  |                                                                                                                 |                           |                            |                                                                                     |

|                                       |                                     |           |
|---------------------------------------|-------------------------------------|-----------|
| 03 3.33% AEP +CCA Surcharge Permitted |                                     | Type: FEH |
| Site Location                         | GB 428418 321009 SK 28418 21009     |           |
| Rainfall Version                      | 2022                                |           |
| Summer                                | <input checked="" type="checkbox"/> |           |
| Winter                                | <input checked="" type="checkbox"/> |           |

Return Period

| Return Period (years) | Increase Rainfall (%) |
|-----------------------|-----------------------|
| 30.0                  | 35.000                |

Storm Durations

| Duration (mins) | Run Time (mins) |
|-----------------|-----------------|
| 15              | 30              |
| 30              | 60              |
| 60              | 120             |
| 120             | 240             |
| 240             | 480             |
| 360             | 720             |
| 480             | 960             |
| 960             | 1920            |
| 1440            | 2880            |

|                       |                                     |           |
|-----------------------|-------------------------------------|-----------|
| 04 1% AEP No Flooding |                                     | Type: FEH |
| Site Location         | GB 428418 321009 SK 28418 21009     |           |
| Rainfall Version      | 2022                                |           |
| Summer                | <input checked="" type="checkbox"/> |           |
| Winter                | <input checked="" type="checkbox"/> |           |

Return Period

| Return Period (years) | Increase Rainfall (%) |
|-----------------------|-----------------------|
| 100.0                 | 0.000                 |

Storm Durations

| Duration (mins) | Run Time (mins) |
|-----------------|-----------------|
| 15              | 30              |
| 30              | 60              |
| 60              | 120             |
| 120             | 240             |
| 240             | 480             |
| 360             | 720             |
| 480             | 960             |
| 960             | 1920            |
| 1440            | 2880            |

|                                                                                                  |                                                                                                                 |                           |                            |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL | Date:<br>18/03/2026                                                                                             |                           |                            |
|                                                                                                  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |
|                                                                                                  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |
| Report Title:<br><br>Rainfall Analysis Criteria                                                  |                                                                                                                 |                           |                            |



|                                  |                                     |           |
|----------------------------------|-------------------------------------|-----------|
| 05 1% AEP+CCA Flooding Permitted |                                     | Type: FEH |
| Site Location                    | GB 428418 321009 SK 28418 21009     |           |
| Rainfall Version                 | 2022                                |           |
| Summer                           | <input checked="" type="checkbox"/> |           |
| Winter                           | <input checked="" type="checkbox"/> |           |

|                       |                       |
|-----------------------|-----------------------|
| Return Period         |                       |
| Return Period (years) | Increase Rainfall (%) |
| 100.0                 | 40.000                |
| Storm Durations       |                       |
| Duration (mins)       | Run Time (mins)       |
| 15                    | 30                    |
| 30                    | 60                    |
| 60                    | 120                   |
| 120                   | 240                   |
| 240                   | 480                   |
| 360                   | 720                   |
| 480                   | 960                   |
| 960                   | 1920                  |
| 1440                  | 2880                  |

|                                                                                                                        |  |                            |                           |
|------------------------------------------------------------------------------------------------------------------------|--|----------------------------|---------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                       |  | Date:<br>18/03/2026        |                           |
| Report Details:<br>Type: Inflows Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones    | Checked by:<br>P Southern |
|                                                                                                                        |  | Approved By:<br>P Southern |                           |





01 50% AEP No Surcharge : 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Inflow

| Inflow                        | Storm Event                                              | Inflow Area (ha) | Max. Inflow (L/s) | Total Inflow Volume (m³) |
|-------------------------------|----------------------------------------------------------|------------------|-------------------|--------------------------|
| Green Roof 01                 | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer | 0.01             | 0.0               | 0.000                    |
| Green Roof 02                 | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer | 0.02             | 0.0               | 0.000                    |
| Green Roof 03                 | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer | 0.02             | 0.0               | 0.000                    |
| Green Roof 04                 | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer | 0.03             | 0.0               | 0.000                    |
| Green Roof 05                 | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer | 0.03             | 0.0               | 0.000                    |
| Green Roof 06                 | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer | 0.02             | 0.0               | 0.000                    |
| Green Roof 07                 | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer | 0.01             | 0.0               | 0.000                    |
| Green Roof 08                 | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer | 0.01             | 0.0               | 0.000                    |
| Green Roof 09                 | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer | 0.01             | 0.0               | 0.000                    |
| Green Roof 11                 | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer | 0.01             | 0.0               | 0.000                    |
| Green Roof 12                 | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer | 0.00             | 0.0               | 0.000                    |
| Green Roof 16&17              | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer | 0.02             | 0.0               | 0.000                    |
| Green Roof 18                 | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer | 0.01             | 0.0               | 0.000                    |
| Green Roof 19                 | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer | 0.01             | 0.0               | 0.000                    |
| Green Roof 21                 | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer | 0.01             | 0.0               | 0.000                    |
| Green Roof 22                 | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer | 0.01             | 0.0               | 0.000                    |
| Green Roof 24                 | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer | 0.01             | 0.0               | 0.000                    |
| Green Roof 25                 | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer | 0.01             | 0.0               | 0.000                    |
| Green Roof 27                 | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer | 0.02             | 0.0               | 0.000                    |
| Green Roof 28                 | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer | 0.01             | 0.0               | 0.000                    |
| Green Roof 29                 | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer | 0.01             | 0.0               | 0.000                    |
| Catchment Area New MUGA       | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer | 0.06             | 13.6              | 5.927                    |
| Catchment Area Canopy 01      | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer | 0.01             | 1.6               | 0.686                    |
| Catchment Area Cycle Stand 01 | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer | 0.00             | 1.0               | 0.452                    |

|                                                                                                                        |  |                                                                                                                 |                           |
|------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                       |  | Date:<br>18/03/2026                                                                                             |                           |
| Report Details:<br>Type: Inflows Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |
|                                                                                                                        |  | Approved By:<br>P Southern                                                                                      |                           |
|                                                                                                                        |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |



|                                        |                                                                   |      |     |       |
|----------------------------------------|-------------------------------------------------------------------|------|-----|-------|
| Catchment Area<br>Bio Ret 10           | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 1.3 | 0.581 |
| Catchment Area<br>Bio Ret 08           | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.00 | 0.4 | 0.180 |
| Catchment Area<br>Bio Ret 09           | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.00 | 0.6 | 0.255 |
| Catchment Area<br>Bio Ret 07           | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.00 | 0.5 | 0.234 |
| Catchment Area<br>Porous Paving 02     | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 2.6 | 1.126 |
| Catchment Area<br>Bio Ret 01           | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 1.0 | 0.434 |
| Catchment Area<br>Bio Ret 11           | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.00 | 0.8 | 0.338 |
| Catchment Area<br>Porous Paving 19     | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 1.6 | 0.698 |
| Catchment Area<br>Porous Parking<br>01 | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 2.6 | 1.129 |
| Catchment Area<br>Porous Parking<br>02 | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 1.9 | 0.833 |
| Catchment Area<br>Bio Ret 02           | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.00 | 1.0 | 0.416 |
| Catchment Area<br>Bio Ret 05           | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 1.7 | 0.755 |
| Catchment Area<br>Bio Ret 06           | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 1.4 | 0.626 |
| Catchment Area<br>Porous Parking<br>03 | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 3.0 | 1.288 |
| Catchment Area<br>Canopy 02            | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 1.0 | 0.446 |
| Catchment Area<br>Access Road 07       | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.02 | 5.4 | 2.351 |
| Catchment Area<br>Porous Paving 18     | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 1.8 | 0.797 |
| Catchment Area<br>Porous Paving 11     | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.02 | 4.1 | 1.788 |
| Catchment Area<br>Access Road 01       | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.02 | 4.1 | 1.773 |
| Catchment Area<br>Access Road 02       | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.03 | 7.5 | 3.271 |
| Catchment Area<br>Bus Drop Off a       | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.02 | 4.4 | 1.908 |
| Catchment Area<br>Porous Paving 05     | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 2.2 | 0.949 |
| Catchment Area<br>Porous Paving 06     | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 2.4 | 1.054 |
| Catchment Area<br>Access Road 03       | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 2.2 | 0.961 |
| Catchment Area<br>Access Road 04       | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.03 | 5.9 | 2.555 |
| Catchment Area<br>Access Road 06       | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 2.3 | 1.012 |

|                                                                                                                        |  |                                                                                                                 |                           |
|------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                       |  | Date:<br>18/03/2026                                                                                             |                           |
| Report Details:<br>Type: Inflows Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |
|                                                                                                                        |  | Approved By:<br>P Southern                                                                                      |                           |
|                                                                                                                        |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |



|                                                    |                                                                   |      |      |        |
|----------------------------------------------------|-------------------------------------------------------------------|------|------|--------|
| Catchment Area<br>Porous Paving 07                 | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.02 | 4.0  | 1.740  |
| Catchment Area<br>Porous Paving 08                 | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.02 | 3.5  | 1.524  |
| Catchment Area<br>Porous Paving 09                 | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 3.1  | 1.363  |
| Catchment Area<br>Cycle Stand 03                   | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 1.4  | 0.590  |
| Catchment Area<br>Cycle Stand 02                   | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 1.8  | 0.764  |
| Catchment Area<br>Porous Paving 10                 | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 1.6  | 0.680  |
| Catchment Area<br>Porous Paving 17                 | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.02 | 3.9  | 1.677  |
| Catchment Area<br>Porous Paving 16                 | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 1.2  | 0.518  |
| Catchment Area<br>Porous Paving 15                 | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.00 | 0.9  | 0.410  |
| Catchment Area<br>Porous Paving 13                 | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.00 | 0.8  | 0.347  |
| Catchment Area<br>Porous Paving 14                 | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 2.0  | 0.857  |
| Catchment Area<br>Porous Paving 12                 | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 2.3  | 1.015  |
| Catchment Area<br>porous Paving 01                 | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 1.7  | 0.740  |
| Catchment Area<br>Bio Ret 03                       | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.00 | 0.7  | 0.317  |
| Catchment Area<br>Porous Paving 03                 | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.02 | 4.1  | 1.773  |
| Catchment Area<br>Porous Paving<br>11a             | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 1.7  | 0.728  |
| Catchment Area<br>Porous Paving<br>17a             | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 2.5  | 1.090  |
| Catchment Area<br>Access Road 01a                  | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.02 | 4.1  | 1.758  |
| Catchment Area<br>Road 02a                         | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 2.8  | 1.240  |
| Catchment Area<br>Porous Paving<br>04a             | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 2.0  | 0.875  |
| Catchment Area<br>Porous Paving<br>04c             | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.00 | 0.7  | 0.294  |
| Catchment Area<br>Porous Paving<br>04b             | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.00 | 0.7  | 0.294  |
| Catchment Area<br>Bio Ret 04                       | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 2.3  | 1.015  |
| Catchment Area<br>Bus Drop Off b                   | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.02 | 4.1  | 1.761  |
| Catchment Area -<br>Ex Runoff from<br>Sloped Areas | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.12 | 6.8  | 2.965  |
| Catchment Area -<br>Tennis Courts                  | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.18 | 35.1 | 15.233 |

|                                                                                                                        |  |                                                                                                                 |                           |                                                                                     |                            |
|------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                       |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Inflows Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                        |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |

|                                        |                                                                   |      |     |       |
|----------------------------------------|-------------------------------------------------------------------|------|-----|-------|
| Green Roof 20                          | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.02 | 0.0 | 0.000 |
| Green Roof 26                          | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.02 | 0.0 | 0.000 |
| Green Roof 30                          | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.02 | 0.0 | 0.000 |
| Green Roof 31                          | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 0.0 | 0.000 |
| Green Roof 15                          | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 0.0 | 0.000 |
| Green Roof 14                          | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 0.0 | 0.000 |
| Green Roof 13                          | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 0.0 | 0.000 |
| Green Roof 10                          | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 0.0 | 0.000 |
| Green Roof 23                          | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.02 | 0.0 | 0.000 |
| Catchment Area<br>(Mid Access Rd<br>N) | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 3.1 | 1.345 |
| Catchment Area<br>(Mid Access Rd<br>S) | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 2.1 | 0.893 |

|                                                                                                                        |  |                            |                           |
|------------------------------------------------------------------------------------------------------------------------|--|----------------------------|---------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                       |  | Date:<br>18/03/2026        |                           |
| Report Details:<br>Type: Inflows Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones    | Checked by:<br>P Southern |
|                                                                                                                        |  | Approved By:<br>P Southern |                           |





02 3.33% AEP Surcharge Permitted: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Inflow

| Inflow                        | Storm Event                                                                 | Inflow Area (ha) | Max. Inflow (L/s) | Total Inflow Volume (m³) |
|-------------------------------|-----------------------------------------------------------------------------|------------------|-------------------|--------------------------|
| Green Roof 01                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.01             | 0.4               | 1.728                    |
| Green Roof 02                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.02             | 0.8               | 3.489                    |
| Green Roof 03                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.02             | 0.8               | 3.504                    |
| Green Roof 04                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.03             | 1.0               | 4.365                    |
| Green Roof 05                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.03             | 1.0               | 4.386                    |
| Green Roof 06                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.02             | 0.8               | 3.501                    |
| Green Roof 07                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.01             | 0.4               | 1.734                    |
| Green Roof 08                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.01             | 0.2               | 0.954                    |
| Green Roof 09                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.01             | 0.5               | 1.932                    |
| Green Roof 11                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.01             | 0.3               | 1.152                    |
| Green Roof 12                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.00             | 0.1               | 0.414                    |
| Green Roof 16&17              | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.02             | 0.7               | 3.033                    |
| Green Roof 18                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.01             | 0.6               | 2.547                    |
| Green Roof 19                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.01             | 0.6               | 2.454                    |
| Green Roof 21                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.01             | 0.3               | 1.224                    |
| Green Roof 22                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.01             | 0.3               | 1.251                    |
| Green Roof 24                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.01             | 0.4               | 1.677                    |
| Green Roof 25                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.01             | 0.4               | 1.803                    |
| Green Roof 27                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.02             | 1.0               | 4.263                    |
| Green Roof 28                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.01             | 0.6               | 2.514                    |
| Green Roof 29                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.01             | 0.3               | 1.395                    |
| Catchment Area New MUGA       | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer  | 0.06             | 29.6              | 12.830                   |
| Catchment Area Canopy 01      | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer  | 0.01             | 3.4               | 1.486                    |
| Catchment Area Cycle Stand 01 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer  | 0.00             | 2.3               | 0.989                    |

|                                                                                                                        |  |                                                                                                                 |                           |
|------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                       |  | Date:<br>18/03/2026                                                                                             |                           |
| Report Details:<br>Type: Inflows Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |
|                                                                                                                        |  | Approved By:<br>P Southern                                                                                      |                           |
|                                                                                                                        |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |



|                                        |                                                                            |      |      |       |
|----------------------------------------|----------------------------------------------------------------------------|------|------|-------|
| Catchment Area<br>Bio Ret 10           | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 2.9  | 1.261 |
| Catchment Area<br>Bio Ret 08           | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.00 | 0.9  | 0.392 |
| Catchment Area<br>Bio Ret 09           | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.00 | 1.3  | 0.551 |
| Catchment Area<br>Bio Ret 07           | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.00 | 1.2  | 0.503 |
| Catchment Area<br>Porous Paving 02     | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 5.6  | 2.432 |
| Catchment Area<br>Bio Ret 01           | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 2.2  | 0.941 |
| Catchment Area<br>Bio Ret 11           | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.00 | 1.7  | 0.737 |
| Catchment Area<br>Porous Paving 19     | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 3.5  | 1.507 |
| Catchment Area<br>Porous Parking<br>01 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 5.6  | 2.438 |
| Catchment Area<br>Porous Parking<br>02 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 4.1  | 1.794 |
| Catchment Area<br>Bio Ret 02           | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.00 | 2.1  | 0.902 |
| Catchment Area<br>Bio Ret 05           | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 3.7  | 1.624 |
| Catchment Area<br>Bio Ret 06           | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 3.1  | 1.357 |
| Catchment Area<br>Porous Parking<br>03 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 6.4  | 2.786 |
| Catchment Area<br>Canopy 02            | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 2.2  | 0.959 |
| Catchment Area<br>Access Road 07       | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.02 | 11.7 | 5.084 |
| Catchment Area<br>Porous Paving 18     | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 4.0  | 1.717 |
| Catchment Area<br>Porous Paving 11     | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.02 | 8.9  | 3.861 |
| Catchment Area<br>Access Road 01       | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.02 | 8.8  | 3.837 |
| Catchment Area<br>Access Road 02       | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.03 | 16.3 | 7.076 |
| Catchment Area<br>Bus Drop Off a       | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.02 | 9.5  | 4.131 |
| Catchment Area<br>Porous Paving 05     | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 4.7  | 2.052 |
| Catchment Area<br>Porous Paving 06     | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 5.3  | 2.280 |
| Catchment Area<br>Access Road 03       | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 4.8  | 2.085 |
| Catchment Area<br>Access Road 04       | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.03 | 12.7 | 5.530 |
| Catchment Area<br>Access Road 06       | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 5.1  | 2.196 |

|                                                                                                                        |  |                            |                           |
|------------------------------------------------------------------------------------------------------------------------|--|----------------------------|---------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                       |  | Date:<br>18/03/2026        |                           |
| Report Details:<br>Type: Inflows Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones    | Checked by:<br>P Southern |
|                                                                                                                        |  | Approved By:<br>P Southern |                           |



|                                                    |                                                                            |      |      |        |
|----------------------------------------------------|----------------------------------------------------------------------------|------|------|--------|
| Catchment Area<br>Porous Paving 07                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.02 | 8.7  | 3.766  |
| Catchment Area<br>Porous Paving 08                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.02 | 7.6  | 3.310  |
| Catchment Area<br>Porous Paving 09                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 6.8  | 2.948  |
| Catchment Area<br>Cycle Stand 03                   | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 3.0  | 1.285  |
| Catchment Area<br>Cycle Stand 02                   | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 3.8  | 1.660  |
| Catchment Area<br>Porous Paving 10                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 3.4  | 1.468  |
| Catchment Area<br>Porous Paving 17                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.02 | 8.4  | 3.628  |
| Catchment Area<br>Porous Paving 16                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 2.6  | 1.114  |
| Catchment Area<br>Porous Paving 15                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.00 | 2.1  | 0.893  |
| Catchment Area<br>Porous Paving 13                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.00 | 1.7  | 0.746  |
| Catchment Area<br>Porous Paving 14                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 4.3  | 1.854  |
| Catchment Area<br>Porous Paving 12                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 5.1  | 2.199  |
| Catchment Area<br>porous Paving 01                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 3.7  | 1.597  |
| Catchment Area<br>Bio Ret 03                       | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.00 | 1.6  | 0.695  |
| Catchment Area<br>Porous Paving 03                 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.02 | 8.9  | 3.840  |
| Catchment Area<br>Porous Paving<br>11a             | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 3.6  | 1.579  |
| Catchment Area<br>Porous Paving<br>17a             | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 5.4  | 2.361  |
| Catchment Area<br>Access Road 01a                  | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.02 | 8.8  | 3.807  |
| Catchment Area<br>Road 02a                         | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 6.2  | 2.675  |
| Catchment Area<br>Porous Paving<br>04a             | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 4.4  | 1.890  |
| Catchment Area<br>Porous Paving<br>04c             | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.00 | 1.5  | 0.641  |
| Catchment Area<br>Porous Paving<br>04b             | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.00 | 1.5  | 0.641  |
| Catchment Area<br>Bio Ret 04                       | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.01 | 5.1  | 2.199  |
| Catchment Area<br>Bus Drop Off b                   | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.02 | 8.8  | 3.816  |
| Catchment Area -<br>Ex Runoff from<br>Sloped Areas | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.12 | 14.8 | 6.414  |
| Catchment Area -<br>Tennis Courts                  | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer | 0.18 | 76.0 | 32.961 |

|                                                                                                                        |  |                                                                                                                 |                           |
|------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                       |  | Date:<br>18/03/2026                                                                                             |                           |
| Report Details:<br>Type: Inflows Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |
|                                                                                                                        |  | Approved By:<br>P Southern                                                                                      |                           |
|                                                                                                                        |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |



|                                        |                                                                             |      |     |       |
|----------------------------------------|-----------------------------------------------------------------------------|------|-----|-------|
| Green Roof 20                          | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.02 | 0.6 | 2.685 |
| Green Roof 26                          | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.02 | 0.9 | 3.735 |
| Green Roof 30                          | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.02 | 0.7 | 3.081 |
| Green Roof 31                          | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.01 | 0.6 | 2.433 |
| Green Roof 15                          | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.01 | 0.3 | 1.248 |
| Green Roof 14                          | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.01 | 0.5 | 1.998 |
| Green Roof 13                          | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.01 | 0.3 | 1.500 |
| Green Roof 10                          | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.01 | 0.5 | 1.932 |
| Green Roof 23                          | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | 0.02 | 0.7 | 2.829 |
| Catchment Area<br>(Mid Access Rd<br>N) | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer  | 0.01 | 6.7 | 2.909 |
| Catchment Area<br>(Mid Access Rd<br>S) | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer  | 0.01 | 4.4 | 1.929 |

|                                                                                                                        |                                                                                                                 |                           |                            |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                       | Date:<br>18/03/2026                                                                                             |                           |                            |
|                                                                                                                        | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |
| Report Details:<br>Type: Inflows Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |



03 3.33% AEP +CCA Surcharge Permitted: 30 years: Increase Rainfall (%): +35: Critical Storm Per Item: Rank By: Max. Inflow

| Inflow                        | Storm Event                                                              | Inflow Area (ha) | Max. Inflow (L/s) | Total Inflow Volume (m³) |
|-------------------------------|--------------------------------------------------------------------------|------------------|-------------------|--------------------------|
| Green Roof 01                 | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 0.01             | 1.0               | 2.592                    |
| Green Roof 02                 | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 0.02             | 2.0               | 5.235                    |
| Green Roof 03                 | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 0.02             | 2.0               | 5.262                    |
| Green Roof 04                 | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 0.03             | 2.5               | 6.552                    |
| Green Roof 05                 | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 0.03             | 2.5               | 6.585                    |
| Green Roof 06                 | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 0.02             | 2.0               | 5.259                    |
| Green Roof 07                 | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 0.01             | 1.0               | 2.601                    |
| Green Roof 08                 | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 0.01             | 0.5               | 1.431                    |
| Green Roof 09                 | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 0.01             | 1.1               | 2.901                    |
| Green Roof 11                 | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 0.01             | 0.7               | 1.740                    |
| Green Roof 12                 | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 0.00             | 0.2               | 0.609                    |
| Green Roof 16&17              | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 0.02             | 1.7               | 4.539                    |
| Green Roof 18                 | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 0.01             | 1.4               | 3.813                    |
| Green Roof 19                 | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 0.01             | 1.4               | 3.675                    |
| Green Roof 21                 | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 0.01             | 0.7               | 1.851                    |
| Green Roof 22                 | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 0.01             | 0.7               | 1.887                    |
| Green Roof 24                 | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 0.01             | 0.9               | 2.517                    |
| Green Roof 25                 | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 0.01             | 1.0               | 2.694                    |
| Green Roof 27                 | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 0.02             | 2.4               | 6.381                    |
| Green Roof 28                 | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 0.01             | 1.4               | 3.765                    |
| Green Roof 29                 | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 0.01             | 0.8               | 2.079                    |
| Catchment Area New MUGA       | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 15 mins: Summer  | 0.06             | 39.9              | 17.326                   |
| Catchment Area Canopy 01      | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 15 mins: Summer  | 0.01             | 4.6               | 2.010                    |
| Catchment Area Cycle Stand 01 | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 15 mins: Summer  | 0.00             | 3.1               | 1.330                    |

|                                                                                                                        |  |                                                                                                                 |                           |
|------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                       |  | Date:<br>18/03/2026                                                                                             |                           |
| Report Details:<br>Type: Inflows Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |
|                                                                                                                        |  | Approved By:<br>P Southern                                                                                      |                           |
|                                                                                                                        |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |



|                                        |                                                                                  |      |      |       |
|----------------------------------------|----------------------------------------------------------------------------------|------|------|-------|
| Catchment Area<br>Bio Ret 10           | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 3.9  | 1.699 |
| Catchment Area<br>Bio Ret 08           | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.00 | 1.2  | 0.530 |
| Catchment Area<br>Bio Ret 09           | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.00 | 1.7  | 0.743 |
| Catchment Area<br>Bio Ret 07           | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.00 | 1.6  | 0.680 |
| Catchment Area<br>Porous Paving 02     | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 7.6  | 3.281 |
| Catchment Area<br>Bio Ret 01           | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 2.9  | 1.270 |
| Catchment Area<br>Bio Ret 11           | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.00 | 2.3  | 0.992 |
| Catchment Area<br>Porous Paving 19     | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 4.7  | 2.040 |
| Catchment Area<br>Porous Parking<br>01 | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 7.6  | 3.296 |
| Catchment Area<br>Porous Parking<br>02 | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 5.6  | 2.424 |
| Catchment Area<br>Bio Ret 02           | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.00 | 2.8  | 1.222 |
| Catchment Area<br>Bio Ret 05           | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 5.1  | 2.199 |
| Catchment Area<br>Bio Ret 06           | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 4.2  | 1.831 |
| Catchment Area<br>Porous Parking<br>03 | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 8.7  | 3.763 |
| Catchment Area<br>Canopy 02            | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 3.0  | 1.300 |
| Catchment Area<br>Access Road 07       | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.02 | 15.8 | 6.864 |
| Catchment Area<br>Porous Paving 18     | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 5.3  | 2.319 |
| Catchment Area<br>Porous Paving 11     | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.02 | 12.0 | 5.219 |
| Catchment Area<br>Access Road 01       | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.02 | 11.9 | 5.180 |
| Catchment Area<br>Access Road 02       | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.03 | 22.0 | 9.554 |
| Catchment Area<br>Bus Drop Off a       | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.02 | 12.9 | 5.575 |
| Catchment Area<br>Porous Paving 05     | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 6.4  | 2.771 |
| Catchment Area<br>Porous Paving 06     | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 7.1  | 3.077 |
| Catchment Area<br>Access Road 03       | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 6.5  | 2.813 |
| Catchment Area<br>Access Road 04       | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.03 | 17.2 | 7.463 |
| Catchment Area<br>Access Road 06       | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 6.8  | 2.963 |

|                                                                                                                        |  |                                                                                                                 |                           |
|------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                       |  | Date:<br>18/03/2026                                                                                             |                           |
| Report Details:<br>Type: Inflows Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |
|                                                                                                                        |  | Approved By:<br>P Southern                                                                                      |                           |
|                                                                                                                        |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |



|                                                    |                                                                                  |      |       |        |
|----------------------------------------------------|----------------------------------------------------------------------------------|------|-------|--------|
| Catchment Area<br>Porous Paving 07                 | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.02 | 11.7  | 5.087  |
| Catchment Area<br>Porous Paving 08                 | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.02 | 10.3  | 4.464  |
| Catchment Area<br>Porous Paving 09                 | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 9.2   | 3.982  |
| Catchment Area<br>Cycle Stand 03                   | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 4.0   | 1.732  |
| Catchment Area<br>Cycle Stand 02                   | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 5.2   | 2.241  |
| Catchment Area<br>Porous Paving 10                 | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 4.6   | 1.986  |
| Catchment Area<br>Porous Paving 17                 | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.02 | 11.3  | 4.898  |
| Catchment Area<br>Porous Paving 16                 | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 3.5   | 1.507  |
| Catchment Area<br>Porous Paving 15                 | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.00 | 2.8   | 1.204  |
| Catchment Area<br>Porous Paving 13                 | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.00 | 2.3   | 1.010  |
| Catchment Area<br>Porous Paving 14                 | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 5.8   | 2.508  |
| Catchment Area<br>Porous Paving 12                 | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 6.8   | 2.966  |
| Catchment Area<br>porous Paving 01                 | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 5.0   | 2.160  |
| Catchment Area<br>Bio Ret 03                       | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.00 | 2.2   | 0.935  |
| Catchment Area<br>Porous Paving 03                 | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.02 | 12.0  | 5.186  |
| Catchment Area<br>Porous Paving<br>11a             | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 4.9   | 2.127  |
| Catchment Area<br>Porous Paving<br>17a             | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 7.3   | 3.185  |
| Catchment Area<br>Access Road 01a                  | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.02 | 11.9  | 5.144  |
| Catchment Area<br>Road 02a                         | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 8.3   | 3.619  |
| Catchment Area<br>Porous Paving<br>04a             | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 5.9   | 2.550  |
| Catchment Area<br>Porous Paving<br>04c             | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.00 | 2.0   | 0.860  |
| Catchment Area<br>Porous Paving<br>04b             | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.00 | 2.0   | 0.863  |
| Catchment Area<br>Bio Ret 04                       | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.01 | 6.8   | 2.966  |
| Catchment Area<br>Bus Drop Off b                   | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.02 | 11.9  | 5.147  |
| Catchment Area -<br>Ex Runoff from<br>Sloped Areas | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.12 | 20.0  | 8.661  |
| Catchment Area -<br>Tennis Courts                  | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer | 0.18 | 102.6 | 44.505 |

|                                                                                                                        |  |                            |                           |
|------------------------------------------------------------------------------------------------------------------------|--|----------------------------|---------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                       |  | Date:<br>18/03/2026        |                           |
| Report Details:<br>Type: Inflows Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones    | Checked by:<br>P Southern |
|                                                                                                                        |  | Approved By:<br>P Southern |                           |



|                                        |                                                                                   |      |     |       |
|----------------------------------------|-----------------------------------------------------------------------------------|------|-----|-------|
| Green Roof 20                          | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240<br>mins: Summer | 0.02 | 1.5 | 4.032 |
| Green Roof 26                          | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240<br>mins: Summer | 0.02 | 2.1 | 5.616 |
| Green Roof 30                          | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240<br>mins: Summer | 0.02 | 1.7 | 4.620 |
| Green Roof 31                          | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240<br>mins: Summer | 0.01 | 1.4 | 3.651 |
| Green Roof 15                          | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240<br>mins: Summer | 0.01 | 0.7 | 1.878 |
| Green Roof 14                          | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240<br>mins: Summer | 0.01 | 1.1 | 3.012 |
| Green Roof 13                          | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240<br>mins: Summer | 0.01 | 0.8 | 2.241 |
| Green Roof 10                          | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240<br>mins: Summer | 0.01 | 1.1 | 2.901 |
| Green Roof 23                          | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240<br>mins: Summer | 0.02 | 1.6 | 4.236 |
| Catchment Area<br>(Mid Access Rd<br>N) | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer  | 0.01 | 9.1 | 3.934 |
| Catchment Area<br>(Mid Access Rd<br>S) | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer  | 0.01 | 6.0 | 2.600 |

|                                                                                                                        |  |                            |                           |
|------------------------------------------------------------------------------------------------------------------------|--|----------------------------|---------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                       |  | Date:<br>18/03/2026        |                           |
| Report Details:<br>Type: Inflows Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones    | Checked by:<br>P Southern |
|                                                                                                                        |  | Approved By:<br>P Southern |                           |





04 1% AEP No Flooding: 100 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Inflow

| Inflow                        | Storm Event                                              | Inflow Area (ha) | Max. Inflow (L/s) | Total Inflow Volume (m³) |
|-------------------------------|----------------------------------------------------------|------------------|-------------------|--------------------------|
| Green Roof 01                 | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 0.01             | 1.0               | 2.637                    |
| Green Roof 02                 | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 0.02             | 2.0               | 5.337                    |
| Green Roof 03                 | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 0.02             | 2.0               | 5.355                    |
| Green Roof 04                 | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 0.03             | 2.5               | 6.672                    |
| Green Roof 05                 | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 0.03             | 2.5               | 6.711                    |
| Green Roof 06                 | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 0.02             | 2.0               | 5.352                    |
| Green Roof 07                 | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 0.01             | 1.0               | 2.646                    |
| Green Roof 08                 | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 0.01             | 0.5               | 1.458                    |
| Green Roof 09                 | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 0.01             | 1.1               | 2.964                    |
| Green Roof 11                 | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 0.01             | 0.7               | 1.773                    |
| Green Roof 12                 | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 0.00             | 0.2               | 0.624                    |
| Green Roof 16&17              | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 0.02             | 1.7               | 4.620                    |
| Green Roof 18                 | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 0.01             | 1.5               | 3.882                    |
| Green Roof 19                 | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 0.01             | 1.4               | 3.759                    |
| Green Roof 21                 | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 0.01             | 0.7               | 1.887                    |
| Green Roof 22                 | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 0.01             | 0.7               | 1.920                    |
| Green Roof 24                 | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 0.01             | 1.0               | 2.568                    |
| Green Roof 25                 | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 0.01             | 1.0               | 2.751                    |
| Green Roof 27                 | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 0.02             | 2.5               | 6.501                    |
| Green Roof 28                 | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 0.01             | 1.4               | 3.846                    |
| Green Roof 29                 | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 0.01             | 0.8               | 2.118                    |
| Catchment Area New MUGA       | 04 1% AEP No Flooding: 100 years: +0 %: 15 mins: Summer  | 0.06             | 39.9              | 17.314                   |
| Catchment Area Canopy 01      | 04 1% AEP No Flooding: 100 years: +0 %: 15 mins: Summer  | 0.01             | 4.6               | 2.010                    |
| Catchment Area Cycle Stand 01 | 04 1% AEP No Flooding: 100 years: +0 %: 15 mins: Summer  | 0.00             | 3.1               | 1.330                    |

|                                                                                                                        |  |                                                                                                                 |                           |
|------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                       |  | Date:<br>18/03/2026                                                                                             |                           |
| Report Details:<br>Type: Inflows Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |
|                                                                                                                        |  | Approved By:<br>P Southern                                                                                      |                           |
|                                                                                                                        |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |



|                                        |                                                                  |      |      |       |
|----------------------------------------|------------------------------------------------------------------|------|------|-------|
| Catchment Area<br>Bio Ret 10           | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 3.9  | 1.696 |
| Catchment Area<br>Bio Ret 08           | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.00 | 1.2  | 0.530 |
| Catchment Area<br>Bio Ret 09           | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.00 | 1.7  | 0.743 |
| Catchment Area<br>Bio Ret 07           | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.00 | 1.6  | 0.680 |
| Catchment Area<br>Porous Paving 02     | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 7.6  | 3.278 |
| Catchment Area<br>Bio Ret 01           | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 2.9  | 1.270 |
| Catchment Area<br>Bio Ret 11           | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.00 | 2.3  | 0.992 |
| Catchment Area<br>Porous Paving 19     | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 4.7  | 2.034 |
| Catchment Area<br>Porous Parking<br>01 | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 7.6  | 3.293 |
| Catchment Area<br>Porous Parking<br>02 | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 5.6  | 2.421 |
| Catchment Area<br>Bio Ret 02           | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.00 | 2.8  | 1.222 |
| Catchment Area<br>Bio Ret 05           | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 5.1  | 2.196 |
| Catchment Area<br>Bio Ret 06           | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 4.2  | 1.831 |
| Catchment Area<br>Porous Parking<br>03 | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 8.7  | 3.760 |
| Catchment Area<br>Canopy 02            | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 3.0  | 1.294 |
| Catchment Area<br>Access Road 07       | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.02 | 15.8 | 6.861 |
| Catchment Area<br>Porous Paving 18     | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 5.3  | 2.319 |
| Catchment Area<br>Porous Paving 11     | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.02 | 12.0 | 5.210 |
| Catchment Area<br>Access Road 01       | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.02 | 11.9 | 5.180 |
| Catchment Area<br>Access Road 02       | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.03 | 22.0 | 9.548 |
| Catchment Area<br>Bus Drop Off a       | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.02 | 12.8 | 5.572 |
| Catchment Area<br>Porous Paving 05     | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 6.4  | 2.768 |
| Catchment Area<br>Porous Paving 06     | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 7.1  | 3.077 |
| Catchment Area<br>Access Road 03       | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 6.5  | 2.810 |
| Catchment Area<br>Access Road 04       | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.03 | 17.2 | 7.460 |
| Catchment Area<br>Access Road 06       | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 6.8  | 2.960 |

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|------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                       |  | Date:<br>18/03/2026                                                                                             |                           |                            |
| Report Details:<br>Type: Inflows Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |
|                                                                                                                        |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |



|                                                    |                                                                  |      |       |        |
|----------------------------------------------------|------------------------------------------------------------------|------|-------|--------|
| Catchment Area<br>Porous Paving 07                 | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.02 | 11.7  | 5.084  |
| Catchment Area<br>Porous Paving 08                 | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.02 | 10.3  | 4.464  |
| Catchment Area<br>Porous Paving 09                 | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 9.2   | 3.979  |
| Catchment Area<br>Cycle Stand 03                   | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 4.0   | 1.732  |
| Catchment Area<br>Cycle Stand 02                   | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 5.2   | 2.241  |
| Catchment Area<br>Porous Paving 10                 | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 4.6   | 1.986  |
| Catchment Area<br>Porous Paving 17                 | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.02 | 11.3  | 4.895  |
| Catchment Area<br>Porous Paving 16                 | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 3.5   | 1.507  |
| Catchment Area<br>Porous Paving 15                 | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.00 | 2.8   | 1.204  |
| Catchment Area<br>Porous Paving 13                 | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.00 | 2.3   | 1.010  |
| Catchment Area<br>Porous Paving 14                 | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 5.8   | 2.502  |
| Catchment Area<br>Porous Paving 12                 | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 6.8   | 2.966  |
| Catchment Area<br>porous Paving 01                 | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 5.0   | 2.157  |
| Catchment Area<br>Bio Ret 03                       | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.00 | 2.2   | 0.935  |
| Catchment Area<br>Porous Paving 03                 | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.02 | 11.9  | 5.183  |
| Catchment Area<br>Porous Paving<br>11a             | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 4.9   | 2.127  |
| Catchment Area<br>Porous Paving<br>17a             | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 7.3   | 3.182  |
| Catchment Area<br>Access Road 01a                  | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.02 | 11.8  | 5.141  |
| Catchment Area<br>Road 02a                         | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 8.3   | 3.613  |
| Catchment Area<br>Porous Paving<br>04a             | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 5.9   | 2.550  |
| Catchment Area<br>Porous Paving<br>04c             | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.00 | 2.0   | 0.860  |
| Catchment Area<br>Porous Paving<br>04b             | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.00 | 2.0   | 0.860  |
| Catchment Area<br>Bio Ret 04                       | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.01 | 6.8   | 2.963  |
| Catchment Area<br>Bus Drop Off b                   | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.02 | 11.9  | 5.147  |
| Catchment Area -<br>Ex Runoff from<br>Sloped Areas | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.12 | 20.0  | 8.655  |
| Catchment Area -<br>Tennis Courts                  | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer | 0.18 | 102.5 | 44.478 |

|                                                                                                                        |  |                                                                                                                 |                           |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                       |  | Date:<br>18/03/2026                                                                                             |                           |
| Report Details:<br>Type: Inflows Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |
|                                                                                                                        |  | Approved By:<br>P Southern                                                                                      |                           |
|                                                                                                                        |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |



|                                        |                                                                   |      |     |       |
|----------------------------------------|-------------------------------------------------------------------|------|-----|-------|
| Green Roof 20                          | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | 0.02 | 1.5 | 4.113 |
| Green Roof 26                          | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | 0.02 | 2.2 | 5.715 |
| Green Roof 30                          | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | 0.02 | 1.8 | 4.710 |
| Green Roof 31                          | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | 0.01 | 1.4 | 3.717 |
| Green Roof 15                          | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | 0.01 | 0.7 | 1.908 |
| Green Roof 14                          | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | 0.01 | 1.2 | 3.066 |
| Green Roof 13                          | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | 0.01 | 0.9 | 2.280 |
| Green Roof 10                          | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | 0.01 | 1.1 | 2.964 |
| Green Roof 23                          | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | 0.02 | 1.6 | 4.323 |
| Catchment Area<br>(Mid Access Rd<br>N) | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer  | 0.01 | 9.1 | 3.925 |
| Catchment Area<br>(Mid Access Rd<br>S) | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer  | 0.01 | 6.0 | 2.597 |

|                                                                                                                        |  |                                                                                                                 |                           |
|------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                       |  | Date:<br>18/03/2026                                                                                             |                           |
| Report Details:<br>Type: Inflows Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |
|                                                                                                                        |  | Approved By:<br>P Southern                                                                                      |                           |
|                                                                                                                        |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |



05 1% AEP+CCA Flooding Permitted: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

| Inflow                        | Storm Event                                                          | Inflow Area (ha) | Max. Inflow (L/s) | Total Inflow Volume (m³) |
|-------------------------------|----------------------------------------------------------------------|------------------|-------------------|--------------------------|
| Green Roof 01                 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | 0.01             | 1.8               | 3.633                    |
| Green Roof 02                 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | 0.02             | 3.7               | 7.332                    |
| Green Roof 03                 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | 0.02             | 3.7               | 7.368                    |
| Green Roof 04                 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | 0.03             | 4.6               | 9.177                    |
| Green Roof 05                 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | 0.03             | 4.7               | 9.225                    |
| Green Roof 06                 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | 0.02             | 3.7               | 7.365                    |
| Green Roof 07                 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | 0.01             | 1.8               | 3.648                    |
| Green Roof 08                 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | 0.01             | 1.0               | 2.013                    |
| Green Roof 09                 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | 0.01             | 2.1               | 4.065                    |
| Green Roof 11                 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | 0.01             | 1.2               | 2.430                    |
| Green Roof 12                 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | 0.00             | 0.4               | 0.852                    |
| Green Roof 16&17              | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | 0.02             | 3.2               | 6.369                    |
| Green Roof 18                 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | 0.01             | 2.7               | 5.346                    |
| Green Roof 19                 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | 0.01             | 2.6               | 5.166                    |
| Green Roof 21                 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | 0.01             | 1.3               | 2.601                    |
| Green Roof 22                 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | 0.01             | 1.3               | 2.646                    |
| Green Roof 24                 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | 0.01             | 1.8               | 3.537                    |
| Green Roof 25                 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | 0.01             | 1.9               | 3.786                    |
| Green Roof 27                 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | 0.02             | 4.5               | 8.952                    |
| Green Roof 28                 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | 0.01             | 2.7               | 5.280                    |
| Green Roof 29                 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | 0.01             | 1.5               | 2.919                    |
| Catchment Area New MUGA       | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 15 mins: Summer  | 0.06             | 55.9              | 24.246                   |
| Catchment Area Canopy 01      | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 15 mins: Summer  | 0.01             | 6.5               | 2.811                    |
| Catchment Area Cycle Stand 01 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 15 mins: Summer  | 0.00             | 4.3               | 1.867                    |

|                                                                                                                        |  |                                                                                                                 |                           |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                       |  | Date:<br>18/03/2026                                                                                             |                           |
| Report Details:<br>Type: Inflows Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |
|                                                                                                                        |  | Approved By:<br>P Southern                                                                                      |                           |
|                                                                                                                        |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |



|                                        |                                                                              |      |      |        |
|----------------------------------------|------------------------------------------------------------------------------|------|------|--------|
| Catchment Area<br>Bio Ret 10           | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 5.5  | 2.376  |
| Catchment Area<br>Bio Ret 08           | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.00 | 1.7  | 0.743  |
| Catchment Area<br>Bio Ret 09           | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.00 | 2.4  | 1.046  |
| Catchment Area<br>Bio Ret 07           | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.00 | 2.2  | 0.953  |
| Catchment Area<br>Porous Paving 02     | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 10.6 | 4.593  |
| Catchment Area<br>Bio Ret 01           | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 4.1  | 1.780  |
| Catchment Area<br>Bio Ret 11           | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.00 | 3.2  | 1.387  |
| Catchment Area<br>Porous Paving 19     | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 6.6  | 2.849  |
| Catchment Area<br>Porous Parking<br>01 | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 10.6 | 4.608  |
| Catchment Area<br>Porous Parking<br>02 | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 7.8  | 3.392  |
| Catchment Area<br>Bio Ret 02           | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.00 | 3.9  | 1.711  |
| Catchment Area<br>Bio Ret 05           | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 7.1  | 3.074  |
| Catchment Area<br>Bio Ret 06           | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 5.9  | 2.559  |
| Catchment Area<br>Porous Parking<br>03 | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 12.1 | 5.264  |
| Catchment Area<br>Canopy 02            | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 4.2  | 1.813  |
| Catchment Area<br>Access Road 07       | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.02 | 22.1 | 9.606  |
| Catchment Area<br>Porous Paving 18     | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 7.5  | 3.251  |
| Catchment Area<br>Porous Paving 11     | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.02 | 16.8 | 7.296  |
| Catchment Area<br>Access Road 01       | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.02 | 16.7 | 7.248  |
| Catchment Area<br>Access Road 02       | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.03 | 30.8 | 13.369 |
| Catchment Area<br>Bus Drop Off a       | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.02 | 18.0 | 7.802  |
| Catchment Area<br>Porous Paving 05     | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 8.9  | 3.877  |
| Catchment Area<br>Porous Paving 06     | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 9.9  | 4.306  |
| Catchment Area<br>Access Road 03       | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 9.1  | 3.940  |
| Catchment Area<br>Access Road 04       | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.03 | 24.1 | 10.442 |
| Catchment Area<br>Access Road 06       | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 9.6  | 4.147  |

|                                                                                                                        |  |                                                                                                                 |                           |                            |
|------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                       |  | Date:<br>18/03/2026                                                                                             |                           |                            |
| Report Details:<br>Type: Inflows Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |
|                                                                                                                        |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |



|                                                    |                                                                              |      |       |        |
|----------------------------------------------------|------------------------------------------------------------------------------|------|-------|--------|
| Catchment Area<br>Porous Paving 07                 | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.02 | 16.4  | 7.116  |
| Catchment Area<br>Porous Paving 08                 | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.02 | 14.4  | 6.244  |
| Catchment Area<br>Porous Paving 09                 | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 12.8  | 5.573  |
| Catchment Area<br>Cycle Stand 03                   | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 5.6   | 2.421  |
| Catchment Area<br>Cycle Stand 02                   | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 7.2   | 3.137  |
| Catchment Area<br>Porous Paving 10                 | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 6.4   | 2.781  |
| Catchment Area<br>Porous Paving 17                 | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.02 | 15.8  | 6.858  |
| Catchment Area<br>Porous Paving 16                 | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 4.9   | 2.109  |
| Catchment Area<br>Porous Paving 15                 | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.00 | 3.9   | 1.681  |
| Catchment Area<br>Porous Paving 13                 | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.00 | 3.3   | 1.411  |
| Catchment Area<br>Porous Paving 14                 | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 8.1   | 3.506  |
| Catchment Area<br>Porous Paving 12                 | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 9.6   | 4.153  |
| Catchment Area<br>porous Paving 01                 | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 7.0   | 3.020  |
| Catchment Area<br>Bio Ret 03                       | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.00 | 3.0   | 1.309  |
| Catchment Area<br>Porous Paving 03                 | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.02 | 16.7  | 7.257  |
| Catchment Area<br>Porous Paving<br>11a             | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 6.9   | 2.981  |
| Catchment Area<br>Porous Paving<br>17a             | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 10.3  | 4.461  |
| Catchment Area<br>Access Road 01a                  | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.02 | 16.6  | 7.197  |
| Catchment Area<br>Road 02a                         | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 11.7  | 5.064  |
| Catchment Area<br>Porous Paving<br>04a             | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 8.2   | 3.569  |
| Catchment Area<br>Porous Paving<br>04c             | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.00 | 2.8   | 1.207  |
| Catchment Area<br>Porous Paving<br>04b             | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.00 | 2.8   | 1.207  |
| Catchment Area<br>Bio Ret 04                       | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.01 | 9.6   | 4.153  |
| Catchment Area<br>Bus Drop Off b                   | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.02 | 16.6  | 7.209  |
| Catchment Area -<br>Ex Runoff from<br>Sloped Areas | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.12 | 28.0  | 12.123 |
| Catchment Area -<br>Tennis Courts                  | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer | 0.18 | 143.6 | 62.278 |

|                                                                                                                        |  |                            |                           |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                       |  | Date:<br>18/03/2026        |                           |
| Report Details:<br>Type: Inflows Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones    | Checked by:<br>P Southern |
|                                                                                                                        |  | Approved By:<br>P Southern |                           |



|                                        |                                                                               |      |      |       |
|----------------------------------------|-------------------------------------------------------------------------------|------|------|-------|
| Green Roof 20                          | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 120<br>mins: Summer | 0.02 | 2.9  | 5.652 |
| Green Roof 26                          | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 120<br>mins: Summer | 0.02 | 4.0  | 7.863 |
| Green Roof 30                          | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 120<br>mins: Summer | 0.02 | 3.3  | 6.480 |
| Green Roof 31                          | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 120<br>mins: Summer | 0.01 | 2.6  | 5.118 |
| Green Roof 15                          | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 120<br>mins: Summer | 0.01 | 1.3  | 2.634 |
| Green Roof 14                          | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 120<br>mins: Summer | 0.01 | 2.1  | 4.215 |
| Green Roof 13                          | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 120<br>mins: Summer | 0.01 | 1.6  | 3.138 |
| Green Roof 10                          | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 120<br>mins: Summer | 0.01 | 2.1  | 4.065 |
| Green Roof 23                          | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 120<br>mins: Summer | 0.02 | 3.0  | 5.937 |
| Catchment Area<br>(Mid Access Rd<br>N) | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer  | 0.01 | 12.7 | 5.498 |
| Catchment Area<br>(Mid Access Rd<br>S) | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer  | 0.01 | 8.4  | 3.643 |

|                                                                                                                          |                                                                                                                 |                           |                            |
|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                         | Date:<br>18/03/2026                                                                                             |                           |                            |
|                                                                                                                          | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |
| Report Details:<br>Type: Junctions Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |
|                                       |                                                                                                                 |                           |                            |



01 50% AEP No Surcharge : 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Depth

| Junction                   | Storm Event                                               | Cover Level (m) | Invert Level (m) | Max. Level (m) | Max. Depth (m) | Max. Inflow (L/s) | Max. Resident Volume (m³) | Max. Flooded Volume (m³) | Max. Outflow (L/s) | Total Discharge Volume (m³) | Status     |
|----------------------------|-----------------------------------------------------------|-----------------|------------------|----------------|----------------|-------------------|---------------------------|--------------------------|--------------------|-----------------------------|------------|
| SW01                       | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer  | 109.665         | 108.665          | 108.665        | 0.000          | 0.0               | 0.000                     | 0.000                    | 0.0                | 0.000                       | OK         |
| SW02                       | 01 50% AEP No Surcharge : 2 years: +0 %: 360 mins: Summer | 109.500         | 108.200          | 108.236        | 0.036          | 1.9               | 0.031                     | 0.000                    | 1.9                | 30.310                      | OK         |
| SW04                       | 01 50% AEP No Surcharge : 2 years: +0 %: 360 mins: Summer | 109.700         | 107.998          | 108.042        | 0.044          | 2.5               | 0.012                     | 0.000                    | 2.5                | 39.632                      | OK         |
| SW05                       | 01 50% AEP No Surcharge : 2 years: +0 %: 360 mins: Summer | 109.700         | 107.979          | 108.021        | 0.041          | 2.5               | 0.047                     | 0.000                    | 2.5                | 39.595                      | OK         |
| SW06                       | 01 50% AEP No Surcharge : 2 years: +0 %: 240 mins: Summer | 109.700         | 107.882          | 107.927        | 0.045          | 2.9               | 0.013                     | 0.000                    | 2.9                | 33.232                      | OK         |
| SW08                       | 01 50% AEP No Surcharge : 2 years: +0 %: 360 mins: Summer | 109.701         | 107.200          | 107.230        | 0.030          | 3.9               | 0.034                     | 0.000                    | 3.9                | 57.193                      | OK         |
| SW07                       | 01 50% AEP No Surcharge : 2 years: +0 %: 480 mins: Summer | 109.703         | 108.200          | 108.213        | 0.013          | 0.4               | 0.002                     | 0.000                    | 0.4                | 6.480                       | OK         |
| SW10                       | 01 50% AEP No Surcharge : 2 years: +0 %: 480 mins: Summer | 109.607         | 108.390          | 108.402        | 0.012          | 0.2               | 0.003                     | 0.000                    | 0.2                | 2.395                       | OK         |
| SW11                       | 01 50% AEP No Surcharge : 2 years: +0 %: 480 mins: Summer | 109.609         | 108.210          | 108.241        | 0.031          | 1.3               | 0.035                     | 0.000                    | 1.3                | 24.612                      | OK         |
| SW12                       | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer  | 109.800         | 108.106          | 108.128        | 0.022          | 3.1               | 0.025                     | 0.000                    | 2.7                | 2.129                       | OK         |
| SW14                       | 01 50% AEP No Surcharge : 2 years: +0 %: 480 mins: Summer | 108.350         | 106.018          | 106.069        | 0.051          | 3.8               | 0.058                     | 0.000                    | 3.8                | 74.450                      | OK         |
| SW13                       | 01 50% AEP No Surcharge : 2 years: +0 %: 360 mins: Summer | 107.800         | 106.085          | 106.109        | 0.024          | 0.9               | 0.027                     | 0.000                    | 0.9                | 15.778                      | OK         |
| SW15                       | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer  | 108.100         | 105.948          | 105.976        | 0.029          | 3.3               | 0.033                     | 0.000                    | 3.4                | 3.179                       | OK         |
| SW19 FC                    | 01 50% AEP No Surcharge : 2 years: +0 %: 960 mins: Summer | 109.612         | 105.475          | 105.729        | 0.254          | 4.3               | 0.287                     | 0.000                    | 4.3                | 235.981                     | Surcharged |
| SW18                       | 01 50% AEP No Surcharge : 2 years: +0 %: 960 mins: Summer | 109.652         | 106.207          | 106.256        | 0.049          | 3.4               | 0.055                     | 0.000                    | 3.4                | 123.479                     | OK         |
| SW17                       | 01 50% AEP No Surcharge : 2 years: +0 %: 480 mins: Summer | 109.661         | 106.287          | 106.333        | 0.046          | 3.2               | 0.052                     | 0.000                    | 3.2                | 76.211                      | OK         |
| SW09                       | 01 50% AEP No Surcharge : 2 years: +0 %: 240 mins: Summer | 109.064         | 106.350          | 106.390        | 0.040          | 3.8               | 0.045                     | 0.000                    | 3.8                | 43.761                      | OK         |
| SW03                       | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer  | 109.465         | 108.103          | 108.143        | 0.040          | 2.6               | 0.011                     | 0.000                    | 2.3                | 1.439                       | OK         |
| SW23 FC                    | 01 50% AEP No Surcharge : 2 years: +0 %: 480 mins: Summer | 111.750         | 110.850          | 111.113        | 0.263          | 0.8               | 0.074                     | 0.000                    | 0.8                | 23.184                      | Surcharged |
| SW24                       | 01 50% AEP No Surcharge : 2 years: +0 %: 480 mins: Summer | 110.410         | 109.660          | 109.674        | 0.014          | 0.8               | 0.002                     | 0.000                    | 0.8                | 23.160                      | OK         |
| SW01a                      | 01 50% AEP No Surcharge : 2 years: +0 %: 480 mins: Summer | 109.673         | 108.418          | 108.437        | 0.019          | 0.8               | 0.003                     | 0.000                    | 0.8                | 23.141                      | OK         |
| SW20                       | 01 50% AEP No Surcharge : 2 years: +0 %: 960 mins: Summer | 107.650         | 103.970          | 104.020        | 0.050          | 4.3               | 0.056                     | 0.000                    | 4.3                | 233.476                     | OK         |
| SW21                       | 01 50% AEP No Surcharge : 2 years: +0 %: 960 mins: Summer | 104.950         | 103.710          | 103.758        | 0.048          | 4.3               | 0.008                     | 0.000                    | 4.3                | 233.446                     | OK         |
| SW22                       | 01 50% AEP No Surcharge : 2 years: +0 %: 960 mins: Summer | 104.700         | 103.460          | 103.509        | 0.049          | 4.3               | 0.008                     | 0.000                    | 4.3                | 233.422                     | OK         |
| EX.SW08<br>Infants&Nursery | 01 50% AEP No Surcharge : 2 years: +0 %: 960 mins: Summer | 104.510         | 103.310          | 103.357        | 0.047          | 4.3               | 0.000                     | 0.000                    | 4.3                | 233.422                     | OK         |
| SW16                       | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer  | 109.650         | 108.600          | 108.600        | 0.000          | 0.0               | 0.000                     | 0.000                    | 0.0                | 0.000                       | OK         |
| Ex SWMH49                  | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer  | 110.474         | 109.280          | 109.319        | 0.039          | 3.1               | 0.028                     | 0.000                    | 3.0                | 1.345                       | OK         |
| SW12A                      | 01 50% AEP No Surcharge : 2 years: +0 %: 15 mins: Summer  | 109.800         | 108.884          | 108.912        | 0.028          | 3.0               | 0.005                     | 0.000                    | 2.9                | 1.344                       | OK         |
| Simple Junction            | 01 50% AEP No Surcharge : 2 years: +0 %: 960 mins: Summer |                 | 105.458          | 105.516        | 0.058          | 4.3               |                           |                          | 4.3                | 233.510                     | OK         |

|                                                                                                                 |                                                                                                                          |                           |                                                                                     |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                | Date:<br>18/03/2026                                                                                                      |                           |                                                                                     |
|                                                                                                                 | Designed by:<br>A Jones                                                                                                  | Checked by:<br>P Southern | Approved By:<br>P Southern                                                          |
|                                                                                                                 | Report Details:<br>Type: Junctions Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |                           |                                                                                     |
| Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                                                                                                                          |                           |  |



02 3.33% AEP Surcharge Permitted: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Depth

| Junction                   | Storm Event                                                           | Cover Level (m) | Invert Level (m) | Max. Level (m) | Max. Depth (m) | Max. Inflow (L/s) | Max. Resident Volume (m³) | Max. Flooded Volume (m³) | Max. Outflow (L/s) | Total Discharge Volume (m³) | Status     |
|----------------------------|-----------------------------------------------------------------------|-----------------|------------------|----------------|----------------|-------------------|---------------------------|--------------------------|--------------------|-----------------------------|------------|
| SW01                       | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 480 mins: Summer | 109.665         | 108.665          | 108.680        | 0.015          | 0.4               | 0.002                     | 0.000                    | 0.4                | 1.677                       | OK         |
| SW02                       | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 480 mins: Summer | 109.500         | 108.200          | 108.251        | 0.051          | 3.9               | 0.044                     | 0.000                    | 3.9                | 82.702                      | OK         |
| SW04                       | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 480 mins: Summer | 109.700         | 107.998          | 108.079        | 0.081          | 6.9               | 0.023                     | 0.000                    | 7.0                | 112.575                     | OK         |
| SW05                       | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 480 mins: Summer | 109.700         | 107.979          | 108.063        | 0.084          | 9.5               | 0.095                     | 0.000                    | 9.6                | 124.347                     | OK         |
| SW06                       | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 480 mins: Summer | 109.700         | 107.882          | 107.971        | 0.089          | 10.6              | 0.025                     | 0.000                    | 10.7               | 135.021                     | OK         |
| SW08                       | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 480 mins: Summer | 109.701         | 107.200          | 107.256        | 0.056          | 13.4              | 0.063                     | 0.000                    | 13.4               | 172.738                     | OK         |
| SW07                       | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 240 mins: Summer | 109.703         | 108.200          | 108.222        | 0.022          | 1.3               | 0.004                     | 0.000                    | 1.3                | 11.695                      | OK         |
| SW10                       | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 480 mins: Summer | 109.607         | 108.390          | 108.423        | 0.033          | 1.8               | 0.009                     | 0.000                    | 1.7                | 11.588                      | OK         |
| SW11                       | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 480 mins: Summer | 109.609         | 108.210          | 108.274        | 0.064          | 5.7               | 0.072                     | 0.000                    | 5.6                | 62.464                      | OK         |
| SW12                       | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 480 mins: Summer | 109.800         | 108.106          | 108.142        | 0.036          | 7.7               | 0.041                     | 0.000                    | 7.7                | 101.720                     | OK         |
| SW14                       | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 960 mins: Summer | 108.350         | 106.018          | 106.409        | 0.391          | 9.3               | 0.443                     | 0.000                    | 9.3                | 199.972                     | Surcharged |
| SW13                       | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 960 mins: Summer | 107.800         | 106.085          | 106.409        | 0.324          | 1.3               | 0.367                     | 0.000                    | 1.3                | 39.902                      | Surcharged |
| SW15                       | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 960 mins: Summer | 108.100         | 105.948          | 106.409        | 0.461          | 10.6              | 0.522                     | 0.000                    | 10.7               | 233.365                     | Surcharged |
| SW19 FC                    | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 960 mins: Summer | 109.612         | 105.475          | 106.409        | 0.934          | 12.7              | 1.057                     | 0.000                    | 4.8                | 473.078                     | Surcharged |
| SW18                       | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 960 mins: Summer | 109.652         | 106.207          | 106.410        | 0.202          | 10.6              | 0.229                     | 0.000                    | 10.6               | 297.613                     | OK         |
| SW17                       | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 960 mins: Summer | 109.661         | 106.287          | 106.410        | 0.123          | 9.3               | 0.139                     | 0.000                    | 9.3                | 268.423                     | OK         |
| SW09                       | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 480 mins: Summer | 109.064         | 106.350          | 106.429        | 0.079          | 13.4              | 0.089                     | 0.000                    | 13.5               | 172.700                     | OK         |
| SW03                       | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 15 mins: Summer  | 109.465         | 108.103          | 108.164        | 0.061          | 5.7               | 0.017                     | 0.000                    | 5.3                | 3.814                       | OK         |
| SW23 FC                    | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 360 mins: Summer | 111.750         | 110.850          | 111.439        | 0.589          | 1.5               | 0.167                     | 0.000                    | 1.2                | 38.674                      | Surcharged |
| SW24                       | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 360 mins: Summer | 110.410         | 109.660          | 109.677        | 0.017          | 1.2               | 0.003                     | 0.000                    | 1.2                | 38.637                      | OK         |
| SW01a                      | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 480 mins: Summer | 109.673         | 108.418          | 108.450        | 0.032          | 2.3               | 0.005                     | 0.000                    | 2.2                | 53.973                      | OK         |
| SW20                       | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 240 mins: Summer | 107.650         | 103.970          | 104.022        | 0.052          | 4.8               | 0.059                     | 0.000                    | 4.8                | 97.631                      | OK         |
| SW21                       | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 240 mins: Summer | 104.950         | 103.710          | 103.761        | 0.051          | 4.8               | 0.008                     | 0.000                    | 4.8                | 97.514                      | OK         |
| SW22                       | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 240 mins: Summer | 104.700         | 103.460          | 103.512        | 0.052          | 4.8               | 0.008                     | 0.000                    | 4.8                | 97.420                      | OK         |
| EX.SW08<br>Infants&Nursery | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 240 mins: Summer | 104.510         | 103.310          | 103.359        | 0.049          | 4.8               | 0.000                     | 0.000                    | 4.8                | 97.420                      | OK         |
| SW16                       | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 480 mins: Summer | 109.650         | 108.600          | 108.625        | 0.025          | 1.2               | 0.004                     | 0.000                    | 1.2                | 5.234                       | OK         |
| Ex SWMH49                  | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 15 mins: Summer  | 110.474         | 109.280          | 109.338        | 0.058          | 6.7               | 0.042                     | 0.000                    | 6.5                | 2.909                       | OK         |
| SW12A                      | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 15 mins: Summer  | 109.800         | 108.884          | 108.926        | 0.042          | 6.5               | 0.007                     | 0.000                    | 6.3                | 2.909                       | OK         |
| Simple Junction            | 02 3.33% AEP Surcharge<br>Permitted: 30 years: +0 %: 240 mins: Summer |                 | 105.458          | 105.519        | 0.061          | 4.8               |                           |                          | 4.8                | 97.748                      | OK         |

|                                                                                                  |                                                                                                                          |                           |                            |
|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL | Date:<br>18/03/2026                                                                                                      |                           |                            |
|                                                                                                  | Designed by:<br>A Jones                                                                                                  | Checked by:<br>P Southern | Approved By:<br>P Southern |
|                                                                                                  | Report Details:<br>Type: Junctions Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |                           |                            |
|                                                                                                  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR          |                           |                            |
|               |                                                                                                                          |                           |                            |



03 3.33% AEP +CCA Surcharge Permitted: 30 years: Increase Rainfall (%): +35: Critical Storm Per Item: Rank By: Max. Depth

| Junction                   | Storm Event                                                                     | Cover Level (m) | Invert Level (m) | Max. Level (m) | Max. Depth (m) | Max. Inflow (L/s) | Max. Resident Volume (m³) | Max. Flooded Volume (m³) | Max. Outflow (L/s) | Total Discharge Volume (m³) | Status     |
|----------------------------|---------------------------------------------------------------------------------|-----------------|------------------|----------------|----------------|-------------------|---------------------------|--------------------------|--------------------|-----------------------------|------------|
| SW01                       | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 240 mins: Summer  | 109.665         | 108.665          | 108.688        | 0.023          | 0.9               | 0.004                     | 0.000                    | 0.9                | 2.517                       | OK         |
| SW02                       | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 360 mins: Summer  | 109.500         | 108.200          | 108.263        | 0.063          | 6.0               | 0.055                     | 0.000                    | 6.0                | 90.235                      | OK         |
| SW04                       | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 360 mins: Summer  | 109.700         | 107.998          | 108.120        | 0.122          | 12.6              | 0.034                     | 0.000                    | 12.6               | 133.394                     | OK         |
| SW05                       | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 360 mins: Summer  | 109.700         | 107.979          | 108.105        | 0.126          | 18.7              | 0.143                     | 0.000                    | 18.7               | 156.207                     | OK         |
| SW06                       | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 360 mins: Summer  | 109.700         | 107.882          | 108.016        | 0.134          | 20.8              | 0.038                     | 0.000                    | 20.9               | 171.041                     | OK         |
| SW08                       | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 360 mins: Summer  | 109.701         | 107.200          | 107.278        | 0.078          | 25.9              | 0.089                     | 0.000                    | 25.9               | 220.306                     | OK         |
| SW07                       | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 240 mins: Summer  | 109.703         | 108.200          | 108.227        | 0.027          | 1.9               | 0.004                     | 0.000                    | 1.9                | 17.191                      | OK         |
| SW10                       | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 360 mins: Summer  | 109.607         | 108.390          | 108.438        | 0.048          | 3.7               | 0.014                     | 0.000                    | 3.5                | 18.723                      | OK         |
| SW11                       | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 240 mins: Summer  | 109.609         | 108.210          | 108.300        | 0.090          | 11.6              | 0.102                     | 0.000                    | 11.0               | 68.874                      | OK         |
| SW12                       | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 360 mins: Summer  | 109.800         | 108.106          | 108.156        | 0.050          | 14.2              | 0.056                     | 0.000                    | 14.2               | 136.239                     | OK         |
| SW14                       | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 1440 mins: Summer | 108.350         | 106.018          | 106.665        | 0.647          | 10.7              | 0.732                     | 0.000                    | 10.7               | 309.569                     | Surcharged |
| SW13                       | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 1440 mins: Summer | 107.800         | 106.085          | 106.665        | 0.580          | 2.0               | 0.656                     | 0.000                    | 1.9                | 61.206                      | Surcharged |
| SW15                       | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 1440 mins: Summer | 108.100         | 105.948          | 106.664        | 0.717          | 12.2              | 0.811                     | 0.000                    | 12.2               | 356.838                     | Surcharged |
| SW19 FC                    | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 1440 mins: Summer | 109.612         | 105.475          | 106.665        | 1.190          | 17.8              | 1.346                     | 0.000                    | 4.8                | 712.408                     | Surcharged |
| SW18                       | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 1440 mins: Summer | 109.652         | 106.207          | 106.665        | 0.458          | 14.5              | 0.518                     | 0.000                    | 14.5               | 471.641                     | Surcharged |
| SW17                       | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 1440 mins: Summer | 109.661         | 106.287          | 106.665        | 0.378          | 12.4              | 0.428                     | 0.000                    | 12.4               | 431.649                     | Surcharged |
| SW09                       | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 1440 mins: Summer | 109.064         | 106.350          | 106.665        | 0.315          | 13.3              | 0.357                     | 0.000                    | 13.3               | 388.800                     | Surcharged |
| SW03                       | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 360 mins: Summer  | 109.465         | 108.103          | 108.182        | 0.079          | 9.2               | 0.022                     | 0.000                    | 9.2                | 111.922                     | OK         |
| SW23 FC                    | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 480 mins: Summer  | 111.750         | 110.850          | 111.511        | 0.661          | 1.4               | 0.187                     | 0.000                    | 1.3                | 58.999                      | Flood Risk |
| SW24                       | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 480 mins: Summer  | 110.410         | 109.660          | 109.678        | 0.018          | 1.3               | 0.003                     | 0.000                    | 1.3                | 58.954                      | OK         |
| SW01a                      | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 240 mins: Summer  | 109.673         | 108.418          | 108.459        | 0.041          | 3.8               | 0.007                     | 0.000                    | 3.6                | 35.812                      | OK         |
| SW20                       | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 120 mins: Summer  | 107.650         | 103.970          | 104.022        | 0.052          | 4.8               | 0.059                     | 0.000                    | 4.8                | 48.057                      | OK         |
| SW21                       | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 120 mins: Summer  | 104.950         | 103.710          | 103.761        | 0.051          | 4.8               | 0.008                     | 0.000                    | 4.8                | 47.939                      | OK         |
| SW22                       | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 120 mins: Summer  | 104.700         | 103.460          | 103.512        | 0.052          | 4.8               | 0.008                     | 0.000                    | 4.8                | 47.845                      | OK         |
| EX.SW08<br>Infants&Nursery | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 120 mins: Summer  | 104.510         | 103.310          | 103.359        | 0.049          | 4.8               | 0.000                     | 0.000                    | 4.8                | 47.845                      | OK         |
| SW16                       | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 360 mins: Summer  | 109.650         | 108.600          | 108.638        | 0.038          | 2.9               | 0.006                     | 0.000                    | 2.7                | 10.134                      | OK         |
| Ex SWMH49                  | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 15 mins: Summer   | 110.474         | 109.280          | 109.349        | 0.069          | 9.1               | 0.050                     | 0.000                    | 8.8                | 3.934                       | OK         |
| SW12A                      | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 15 mins: Summer   | 109.800         | 108.884          | 108.934        | 0.050          | 8.8               | 0.008                     | 0.000                    | 8.6                | 3.934                       | OK         |
| Simple Junction            | 03 3.33% AEP +CCA<br>Surcharge Permitted: 30 years:<br>+35 %: 120 mins: Summer  |                 | 105.458          | 105.519        | 0.061          | 4.8               |                           |                          | 4.8                | 48.175                      | OK         |

|                                                                                                                 |                                                                                                                          |                           |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                | Date:<br>18/03/2026                                                                                                      |                           |                                                                                     |
|                                                                                                                 | Designed by:<br>A Jones                                                                                                  | Checked by:<br>P Southern | Approved By:<br>P Southern                                                          |
|                                                                                                                 | Report Details:<br>Type: Junctions Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |                           |                                                                                     |
| Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                                                                                                                          |                           |  |



04 1% AEP No Flooding: 100 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Depth

| Junction                   | Storm Event                                              | Cover Level (m) | Invert Level (m) | Max. Level (m) | Max. Depth (m) | Max. Inflow (L/s) | Max. Resident Volume (m³) | Max. Flooded Volume (m³) | Max. Outflow (L/s) | Total Discharge Volume (m³) | Status     |
|----------------------------|----------------------------------------------------------|-----------------|------------------|----------------|----------------|-------------------|---------------------------|--------------------------|--------------------|-----------------------------|------------|
| SW01                       | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 109.665         | 108.665          | 108.688        | 0.023          | 1.0               | 0.004                     | 0.000                    | 0.9                | 2.568                       | OK         |
| SW02                       | 04 1% AEP No Flooding: 100 years: +0 %: 360 mins: Summer | 109.500         | 108.200          | 108.264        | 0.064          | 6.0               | 0.055                     | 0.000                    | 6.1                | 91.274                      | OK         |
| SW04                       | 04 1% AEP No Flooding: 100 years: +0 %: 360 mins: Summer | 109.700         | 107.998          | 108.121        | 0.123          | 12.7              | 0.035                     | 0.000                    | 12.8               | 135.253                     | OK         |
| SW05                       | 04 1% AEP No Flooding: 100 years: +0 %: 360 mins: Summer | 109.700         | 107.979          | 108.107        | 0.127          | 18.9              | 0.144                     | 0.000                    | 19.0               | 158.442                     | OK         |
| SW06                       | 04 1% AEP No Flooding: 100 years: +0 %: 360 mins: Summer | 109.700         | 107.882          | 108.017        | 0.135          | 21.1              | 0.038                     | 0.000                    | 21.2               | 173.534                     | OK         |
| SW08                       | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 109.701         | 107.200          | 107.279        | 0.079          | 26.3              | 0.089                     | 0.000                    | 26.4               | 179.374                     | OK         |
| SW07                       | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 109.703         | 108.200          | 108.228        | 0.028          | 2.0               | 0.004                     | 0.000                    | 2.0                | 17.641                      | OK         |
| SW10                       | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 109.607         | 108.390          | 108.438        | 0.048          | 4.0               | 0.014                     | 0.000                    | 3.6                | 15.565                      | OK         |
| SW11                       | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 109.609         | 108.210          | 108.301        | 0.091          | 11.8              | 0.103                     | 0.000                    | 11.3               | 70.648                      | OK         |
| SW12                       | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 109.800         | 108.106          | 108.156        | 0.050          | 14.4              | 0.057                     | 0.000                    | 14.5               | 115.800                     | OK         |
| SW14                       | 04 1% AEP No Flooding: 100 years: +0 %: 960 mins: Summer | 108.350         | 106.018          | 106.650        | 0.633          | 13.1              | 0.716                     | 0.000                    | 13.1               | 284.303                     | Surcharged |
| SW13                       | 04 1% AEP No Flooding: 100 years: +0 %: 960 mins: Summer | 107.800         | 106.085          | 106.651        | 0.566          | 2.2               | 0.640                     | 0.000                    | 2.1                | 56.309                      | Surcharged |
| SW15                       | 04 1% AEP No Flooding: 100 years: +0 %: 960 mins: Summer | 108.100         | 105.948          | 106.650        | 0.703          | 14.9              | 0.795                     | 0.000                    | 14.9               | 328.273                     | Surcharged |
| SW19 FC                    | 04 1% AEP No Flooding: 100 years: +0 %: 960 mins: Summer | 109.612         | 105.475          | 106.650        | 1.175          | 20.3              | 1.329                     | 0.000                    | 4.8                | 518.266                     | Surcharged |
| SW18                       | 04 1% AEP No Flooding: 100 years: +0 %: 960 mins: Summer | 109.652         | 106.207          | 106.651        | 0.444          | 16.6              | 0.502                     | 0.000                    | 16.6               | 339.752                     | Surcharged |
| SW17                       | 04 1% AEP No Flooding: 100 years: +0 %: 960 mins: Summer | 109.661         | 106.287          | 106.651        | 0.364          | 14.5              | 0.411                     | 0.000                    | 14.5               | 304.123                     | Surcharged |
| SW09                       | 04 1% AEP No Flooding: 100 years: +0 %: 960 mins: Summer | 109.064         | 106.350          | 106.651        | 0.301          | 16.8              | 0.340                     | 0.000                    | 16.8               | 333.692                     | Surcharged |
| SW03                       | 04 1% AEP No Flooding: 100 years: +0 %: 360 mins: Summer | 109.465         | 108.103          | 108.182        | 0.079          | 9.3               | 0.022                     | 0.000                    | 9.4                | 113.331                     | OK         |
| SW23 FC                    | 04 1% AEP No Flooding: 100 years: +0 %: 360 mins: Summer | 111.750         | 110.850          | 111.514        | 0.664          | 1.5               | 0.188                     | 0.000                    | 1.3                | 44.447                      | Flood Risk |
| SW24                       | 04 1% AEP No Flooding: 100 years: +0 %: 360 mins: Summer | 110.410         | 109.660          | 109.678        | 0.018          | 1.3               | 0.003                     | 0.000                    | 1.3                | 44.400                      | OK         |
| SW01a                      | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 109.673         | 108.418          | 108.459        | 0.041          | 3.8               | 0.007                     | 0.000                    | 3.6                | 36.107                      | OK         |
| SW20                       | 04 1% AEP No Flooding: 100 years: +0 %: 120 mins: Summer | 107.650         | 103.970          | 104.022        | 0.052          | 4.8               | 0.059                     | 0.000                    | 4.8                | 48.265                      | OK         |
| SW21                       | 04 1% AEP No Flooding: 100 years: +0 %: 120 mins: Summer | 104.950         | 103.710          | 103.761        | 0.051          | 4.8               | 0.008                     | 0.000                    | 4.8                | 48.148                      | OK         |
| SW22                       | 04 1% AEP No Flooding: 100 years: +0 %: 120 mins: Summer | 104.700         | 103.460          | 103.512        | 0.052          | 4.8               | 0.008                     | 0.000                    | 4.8                | 48.055                      | OK         |
| EX.SW08<br>Infants&Nursery | 04 1% AEP No Flooding: 100 years: +0 %: 120 mins: Summer | 104.510         | 103.310          | 103.359        | 0.049          | 4.8               | 0.000                     | 0.000                    | 4.8                | 48.055                      | OK         |
| SW16                       | 04 1% AEP No Flooding: 100 years: +0 %: 360 mins: Summer | 109.650         | 108.600          | 108.638        | 0.038          | 2.9               | 0.006                     | 0.000                    | 2.7                | 10.281                      | OK         |
| Ex SWMH49                  | 04 1% AEP No Flooding: 100 years: +0 %: 15 mins: Summer  | 110.474         | 109.280          | 109.349        | 0.069          | 9.1               | 0.050                     | 0.000                    | 8.8                | 3.925                       | OK         |
| SW12A                      | 04 1% AEP No Flooding: 100 years: +0 %: 15 mins: Summer  | 109.800         | 108.884          | 108.933        | 0.050          | 8.8               | 0.008                     | 0.000                    | 8.6                | 3.925                       | OK         |
| Simple Junction            | 04 1% AEP No Flooding: 100 years: +0 %: 120 mins: Summer |                 | 105.458          | 105.519        | 0.061          | 4.8               |                           |                          | 4.8                | 48.382                      | OK         |

|                                                                                                  |                                                                                                                 |                           |                            |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL | Date:<br>18/03/2026                                                                                             |                           |                            |
|                                                                                                  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |
|                                                                                                  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |





05 1% AEP+CCA Flooding Permitted: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Depth

| Junction                   | Storm Event                                                           | Cover Level (m) | Invert Level (m) | Max. Level (m) | Max. Depth (m) | Max. Inflow (L/s) | Max. Resident Volume (m³) | Max. Flooded Volume (m³) | Max. Outflow (L/s) | Total Discharge Volume (m³) | Status     |
|----------------------------|-----------------------------------------------------------------------|-----------------|------------------|----------------|----------------|-------------------|---------------------------|--------------------------|--------------------|-----------------------------|------------|
| SW01                       | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer  | 109.665         | 108.665          | 108.696        | 0.031          | 1.7               | 0.005                     | 0.000                    | 1.7                | 5.559                       | OK         |
| SW02                       | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer  | 109.500         | 108.200          | 108.282        | 0.082          | 10.0              | 0.071                     | 0.000                    | 9.9                | 95.784                      | OK         |
| SW04                       | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer  | 109.700         | 107.998          | 108.213        | 0.215          | 22.0              | 0.061                     | 0.000                    | 22.0               | 157.911                     | OK         |
| SW05                       | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer  | 109.700         | 107.979          | 108.198        | 0.219          | 33.9              | 0.248                     | 0.000                    | 33.9               | 196.967                     | OK         |
| SW06                       | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer  | 109.700         | 107.882          | 108.095        | 0.213          | 37.5              | 0.060                     | 0.000                    | 37.5               | 217.649                     | OK         |
| SW08                       | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer  | 109.701         | 107.200          | 107.309        | 0.109          | 45.8              | 0.123                     | 0.000                    | 45.8               | 283.002                     | OK         |
| SW07                       | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer  | 109.703         | 108.200          | 108.234        | 0.034          | 2.9               | 0.005                     | 0.000                    | 2.9                | 17.376                      | OK         |
| SW10                       | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer  | 109.607         | 108.390          | 108.455        | 0.065          | 6.7               | 0.019                     | 0.000                    | 6.6                | 28.950                      | OK         |
| SW11                       | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer  | 109.609         | 108.210          | 108.334        | 0.124          | 19.9              | 0.140                     | 0.000                    | 19.9               | 115.345                     | OK         |
| SW12                       | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer  | 109.800         | 108.106          | 108.173        | 0.067          | 25.9              | 0.076                     | 0.000                    | 25.9               | 183.507                     | OK         |
| SW14                       | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 1440 mins: Summer | 108.350         | 106.018          | 107.021        | 1.004          | 15.4              | 1.135                     | 0.000                    | 15.3               | 446.016                     | Surcharged |
| SW13                       | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 1440 mins: Summer | 107.800         | 106.085          | 107.022        | 0.937          | 2.7               | 1.059                     | 0.000                    | 2.7                | 86.255                      | Surcharged |
| SW15                       | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 1440 mins: Summer | 108.100         | 105.948          | 107.021        | 1.074          | 17.4              | 1.214                     | 0.000                    | 17.4               | 511.202                     | Surcharged |
| SW19 FC                    | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 1440 mins: Summer | 109.612         | 105.475          | 107.021        | 1.546          | 25.9              | 1.749                     | 0.000                    | 5.0                | 833.941                     | Surcharged |
| SW18                       | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 1440 mins: Summer | 109.652         | 106.207          | 107.022        | 0.815          | 21.2              | 0.921                     | 0.000                    | 20.6               | 550.247                     | Surcharged |
| SW17                       | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 1440 mins: Summer | 109.661         | 106.287          | 107.022        | 0.735          | 17.7              | 0.831                     | 0.000                    | 17.6               | 509.735                     | Surcharged |
| SW09                       | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 1440 mins: Summer | 109.064         | 106.350          | 107.022        | 0.672          | 17.9              | 0.760                     | 0.000                    | 17.9               | 555.014                     | Surcharged |
| SW03                       | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer  | 109.465         | 108.103          | 108.236        | 0.133          | 15.8              | 0.038                     | 0.000                    | 15.7               | 126.794                     | OK         |
| SW23 FC                    | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 480 mins: Summer  | 111.750         | 110.850          | 111.633        | 0.783          | 1.4               | 0.222                     | 0.000                    | 1.4                | 66.120                      | Flood Risk |
| SW24                       | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 480 mins: Summer  | 110.410         | 109.660          | 109.679        | 0.019          | 1.4               | 0.003                     | 0.000                    | 1.4                | 66.072                      | OK         |
| SW01a                      | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer  | 109.673         | 108.418          | 108.471        | 0.053          | 5.9               | 0.009                     | 0.000                    | 5.9                | 47.077                      | OK         |
| SW20                       | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 1440 mins: Summer | 107.650         | 103.970          | 104.023        | 0.053          | 5.0               | 0.060                     | 0.000                    | 5.0                | 688.309                     | OK         |
| SW21                       | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 1440 mins: Summer | 104.950         | 103.710          | 103.762        | 0.052          | 5.0               | 0.008                     | 0.000                    | 5.0                | 688.193                     | OK         |
| SW22                       | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 1440 mins: Summer | 104.700         | 103.460          | 103.513        | 0.053          | 5.0               | 0.008                     | 0.000                    | 5.0                | 688.102                     | OK         |
| EX.SW08<br>Infants&Nursery | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 1440 mins: Summer | 104.510         | 103.310          | 103.360        | 0.050          | 5.0               | 0.000                     | 0.000                    | 5.0                | 688.102                     | OK         |
| SW16                       | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer  | 109.650         | 108.600          | 108.654        | 0.054          | 5.4               | 0.009                     | 0.000                    | 5.3                | 17.312                      | OK         |
| Ex SWMH49                  | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 15 mins: Summer   | 110.474         | 109.280          | 109.365        | 0.085          | 12.7              | 0.061                     | 0.000                    | 12.3               | 5.499                       | OK         |
| SW12A                      | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 15 mins: Summer   | 109.800         | 108.884          | 108.944        | 0.060          | 12.3              | 0.010                     | 0.000                    | 12.1               | 5.499                       | OK         |
| Simple Junction            | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 1440 mins: Summer |                 | 105.458          | 105.520        | 0.062          | 5.0               |                           |                          | 5.0                | 688.424                     | OK         |

|                                                                                                                                    |  |  |  |                                                                                                                 |                           |                            |
|------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                                   |  |  |  | Date:<br>18/03/2026                                                                                             |                           |                            |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  |  |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |
|                                                                                                                                    |  |  |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |



01 50% AEP No Surcharge : 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Avg. Depth

| Stormwater Control              | Storm Event                                               | Max. US Level (m) | Max. DS Level (m) | Max. US Depth (m) | Max. DS Depth (m) | Max. Inflow (L/s) | Max. Resident Volume (m³) | Max. Flooded Volume (m³) | Total Lost Volume (m³) | Max. Outflow (L/s) | Total Discharge Volume (m³) | Half Drain Down Time (mins) | Percentage Available (%) |
|---------------------------------|-----------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------------|--------------------------|------------------------|--------------------|-----------------------------|-----------------------------|--------------------------|
| Porous Paving MUGA              | 01 50% AEP No Surcharge : 2 years: +0 %: 240 mins: Summer | 108.911           | 108.112           | 0.033             | 0.102             | 4.3               | 11.706                    | 0.000                    | 0.000                  | 1.1                | 15.652                      | 159                         | 81.242                   |
| Porous Parking 01               | 01 50% AEP No Surcharge : 2 years: +0 %: 240 mins: Summer | 109.182           | 109.148           | 0.107             | 0.098             | 2.1               | 3.683                     | 0.000                    | 0.000                  | 1.0                | 7.968                       | 47                          | 77.256                   |
| Porous Paving 01                | 01 50% AEP No Surcharge : 2 years: +0 %: 240 mins: Summer | 109.306           | 109.186           | 0.044             | 0.035             | 0.5               | 1.019                     | 0.000                    | 0.000                  | 0.2                | 2.005                       | 63                          | 80.473                   |
| Bioretention 01                 | 01 50% AEP No Surcharge : 2 years: +0 %: 480 mins: Summer | 108.679           | 108.650           | 0.200             | 0.200             | 0.4               | 3.342                     | 0.000                    | 0.000                  | 0.2                | 2.403                       | 300                         | 74.634                   |
| Porous Parking 02               | 01 50% AEP No Surcharge : 2 years: +0 %: 240 mins: Summer | 109.106           | 109.078           | 0.060             | 0.042             | 0.8               | 1.320                     | 0.000                    | 0.000                  | 0.4                | 4.739                       | 45                          | 88.807                   |
| Porous Paving 02                | 01 50% AEP No Surcharge : 2 years: +0 %: 240 mins: Summer | 109.387           | 109.119           | 0.042             | 0.039             | 0.8               | 1.996                     | 0.000                    | 0.000                  | 0.2                | 2.803                       | 123                         | 78.190                   |
| Porous Under Imp Acces Road 02  | 01 50% AEP No Surcharge : 2 years: +0 %: 360 mins: Summer | 109.145           | 108.910           | 0.080             | 0.060             | 2.8               | 9.708                     | 0.000                    | 0.000                  | 0.7                | 13.586                      | 157                         | 85.738                   |
| Porous Under Imp Bus Drop Off a | 01 50% AEP No Surcharge : 2 years: +0 %: 360 mins: Summer | 108.556           | 108.304           | 0.075             | 0.054             | 1.8               | 5.579                     | 0.000                    | 0.000                  | 0.6                | 10.815                      | 109                         | 86.050                   |
| Porous Under Imp Acces Road 04  | 01 50% AEP No Surcharge : 2 years: +0 %: 360 mins: Summer | 107.361           | 107.190           | 0.049             | 0.040             | 1.4               | 4.852                     | 0.000                    | 0.000                  | 0.4                | 7.173                       | 144                         | 90.876                   |
| Porous Under Imp Acces Road 06  | 01 50% AEP No Surcharge : 2 years: +0 %: 240 mins: Summer | 107.398           | 107.281           | 0.043             | 0.031             | 0.7               | 1.448                     | 0.000                    | 0.000                  | 0.3                | 2.697                       | 57                          | 92.763                   |
| Porous Under Acces Road 07      | 01 50% AEP No Surcharge : 2 years: +0 %: 360 mins: Summer | 107.391           | 107.190           | 0.051             | 0.040             | 1.3               | 4.253                     | 0.000                    | 0.000                  | 0.4                | 6.826                       | 122                         | 90.260                   |
| Bioretention 03                 | 01 50% AEP No Surcharge : 2 years: +0 %: 960 mins: Summer | 108.666           | 108.650           | 0.200             | 0.200             | 0.3               | 2.823                     | 0.000                    | 0.000                  | 0.3                | 7.070                       | 151                         | 73.902                   |
| Bioretention 02                 | 01 50% AEP No Surcharge : 2 years: +0 %: 60 mins: Summer  | 108.685           | 108.481           | 0.200             | 0.027             | 0.8               | 2.557                     | 0.000                    | 0.000                  | 0.1                | 0.319                       | 288                         | 78.323                   |
| Bioretention 05                 | 01 50% AEP No Surcharge : 2 years: +0 %: 960 mins: Summer | 107.747           | 107.715           | 0.200             | 0.200             | 0.3               | 5.219                     | 0.000                    | 0.000                  | 0.2                | 4.356                       | 415                         | 74.095                   |
| Bioretention 06                 | 01 50% AEP No Surcharge : 2 years: +0 %: 960 mins: Summer | 108.481           | 108.450           | 0.200             | 0.200             | 0.3               | 5.457                     | 0.000                    | 0.000                  | 0.2                | 4.151                       | 500                         | 74.457                   |
| Porous Paving 05                | 01 50% AEP No Surcharge : 2 years: +0 %: 240 mins: Summer | 109.141           | 108.985           | 0.043             | 0.035             | 0.7               | 1.512                     | 0.000                    | 0.000                  | 0.2                | 2.435                       | 82                          | 80.410                   |
| Porous Paving 06                | 01 50% AEP No Surcharge : 2 years: +0 %: 240 mins: Summer | 109.121           | 108.987           | 0.045             | 0.037             | 0.8               | 1.709                     | 0.000                    | 0.000                  | 0.2                | 2.673                       | 86                          | 79.950                   |
| Porous Paving 03                | 01 50% AEP No Surcharge : 2 years: +0 %: 360 mins: Summer | 109.303           | 109.195           | 0.050             | 0.045             | 1.0               | 3.191                     | 0.000                    | 0.000                  | 0.3                | 5.165                       | 115                         | 77.608                   |
| Porous Paving 07                | 01 50% AEP No Surcharge : 2 years: +0 %: 240 mins: Summer | 108.913           | 108.904           | 0.048             | 0.054             | 1.3               | 2.845                     | 0.000                    | 0.000                  | 0.4                | 4.491                       | 84                          | 79.578                   |
| Porous Paving 08                | 01 50% AEP No Surcharge : 2 years: +0 %: 240 mins: Summer | 108.972           | 108.962           | 0.047             | 0.052             | 1.1               | 2.410                     | 0.000                    | 0.000                  | 0.4                | 4.018                       | 74                          | 80.223                   |
| Porous Paving 09                | 01 50% AEP No Surcharge : 2 years: +0 %: 240 mins: Summer | 109.257           | 109.248           | 0.052             | 0.048             | 1.0               | 2.173                     | 0.000                    | 0.000                  | 0.4                | 3.510                       | 74                          | 80.006                   |
| Porous Parking 03               | 01 50% AEP No Surcharge : 2 years: +0 %: 240 mins: Summer | 107.641           | 107.489           | 0.047             | 0.039             | 0.9               | 2.194                     | 0.000                    | 0.000                  | 0.3                | 3.123                       | 106                         | 88.214                   |
| Porous Paving 10                | 01 50% AEP No Surcharge : 2 years: +0 %: 120 mins: Summer | 109.252           | 109.239           | 0.038             | 0.039             | 0.7               | 0.835                     | 0.000                    | 0.000                  | 0.3                | 1.359                       | 41                          | 84.631                   |
| Bioretention 07                 | 01 50% AEP No Surcharge : 2 years: +0 %: 240 mins: Summer | 108.678           | 108.650           | 0.200             | 0.200             | 0.3               | 1.072                     | 0.000                    | 0.000                  | 0.2                | 1.112                       | 95                          | 74.973                   |



|                                                                                                                                    |  |                                                                                                                 |                           |                                                                                     |                            |
|------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                                   |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                                    |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |

|                                    |                                                                    |         |         |       |       |     |        |       |       |     |         |     |        |
|------------------------------------|--------------------------------------------------------------------|---------|---------|-------|-------|-----|--------|-------|-------|-----|---------|-----|--------|
| Bioretention 08                    | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 240 mins:<br>Summer | 108.671 | 108.650 | 0.200 | 0.200 | 0.3 | 0.901  | 0.000 | 0.000 | 0.2 | 1.208   | 74  | 74.938 |
| Porous Paving 13                   | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 120 mins:<br>Summer | 109.259 | 109.177 | 0.034 | 0.027 | 0.4 | 0.383  | 0.000 | 0.000 | 0.1 | 0.699   | 32  | 86.477 |
| Porous Paving 15                   | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 120 mins:<br>Summer | 109.265 | 109.178 | 0.036 | 0.028 | 0.4 | 0.481  | 0.000 | 0.000 | 0.2 | 0.815   | 37  | 85.720 |
| Porous Paving 12                   | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 360 mins:<br>Summer | 109.260 | 109.181 | 0.062 | 0.031 | 0.6 | 1.801  | 0.000 | 0.000 | 0.2 | 2.723   | 113 | 78.095 |
| Porous Paving 14                   | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 360 mins:<br>Summer | 109.244 | 109.181 | 0.059 | 0.031 | 0.5 | 1.373  | 0.000 | 0.000 | 0.2 | 2.435   | 92  | 80.173 |
| Porous Paving 17                   | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 480 mins:<br>Summer | 109.261 | 109.187 | 0.067 | 0.037 | 0.8 | 3.243  | 0.000 | 0.000 | 0.2 | 4.837   | 153 | 75.915 |
| Bioretention 09                    | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 360 mins:<br>Summer | 108.572 | 108.550 | 0.200 | 0.200 | 0.3 | 1.684  | 0.000 | 0.000 | 0.2 | 1.645   | 139 | 74.646 |
| Porous Paving 16                   | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 120 mins:<br>Summer | 109.141 | 109.082 | 0.038 | 0.032 | 0.5 | 0.631  | 0.000 | 0.000 | 0.2 | 1.001   | 42  | 84.875 |
| Porous Paving 11                   | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 480 mins:<br>Summer | 109.077 | 108.986 | 0.069 | 0.036 | 0.8 | 3.579  | 0.000 | 0.000 | 0.2 | 4.940   | 176 | 75.112 |
| Porous Paving 18                   | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 240 mins:<br>Summer | 109.274 | 109.164 | 0.041 | 0.034 | 0.6 | 1.184  | 0.000 | 0.000 | 0.2 | 2.097   | 65  | 81.606 |
| Bioretention 10                    | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 960 mins:<br>Summer | 108.483 | 108.450 | 0.200 | 0.200 | 0.3 | 4.789  | 0.000 | 0.000 | 0.2 | 3.202   | 523 | 74.777 |
| Bioretention 11                    | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 240 mins:<br>Summer | 108.846 | 108.700 | 0.324 | 0.200 | 1.4 | 3.783  | 0.000 | 0.000 | 1.0 | 9.336   | 60  | 64.193 |
| Cellular Storage Under MUGA        | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 480 mins:<br>Summer | 106.349 | 106.349 | 0.049 | 0.049 | 4.8 | 29.037 | 0.000 | 0.000 | 3.1 | 73.929  | 128 | 93.953 |
| Porous Paving 11a                  | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 360 mins:<br>Summer | 109.056 | 108.977 | 0.057 | 0.027 | 0.4 | 1.199  | 0.000 | 0.000 | 0.1 | 2.058   | 102 | 79.837 |
| Porous Paving 17a                  | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 360 mins:<br>Summer | 109.242 | 109.185 | 0.062 | 0.035 | 0.6 | 1.833  | 0.000 | 0.000 | 0.2 | 3.045   | 106 | 79.047 |
| Porous Paving 19                   | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 240 mins:<br>Summer | 109.458 | 109.280 | 0.036 | 0.030 | 0.5 | 1.055  | 0.000 | 0.000 | 0.2 | 1.873   | 69  | 81.628 |
| Porous Under Imp Acces Road 02a    | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 240 mins:<br>Summer | 108.983 | 108.885 | 0.046 | 0.035 | 0.9 | 1.833  | 0.000 | 0.000 | 0.3 | 3.201   | 63  | 92.898 |
| Porous Under Imp Acces Road 03     | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 240 mins:<br>Summer | 108.973 | 108.882 | 0.044 | 0.032 | 0.7 | 1.331  | 0.000 | 0.000 | 0.3 | 2.575   | 61  | 93.384 |
| Cellular Storage Under Road        | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 960 mins:<br>Summer | 105.729 | 105.729 | 0.229 | 0.229 | 4.3 | 69.635 | 0.000 | 0.000 | 2.7 | 103.916 | 458 | 85.710 |
| Bioretention 04                    | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 960 mins:<br>Summer | 106.656 | 106.600 | 0.200 | 0.200 | 0.4 | 9.070  | 0.000 | 0.000 | 0.0 | 0.000   |     | 70.361 |
| Porous Paving 04a                  | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 240 mins:<br>Summer | 108.718 | 108.693 | 0.054 | 0.043 | 0.6 | 1.351  | 0.000 | 0.000 | 0.3 | 2.383   | 68  | 81.037 |
| Porous Paving 04c                  | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 120 mins:<br>Summer | 107.295 | 107.278 | 0.031 | 0.028 | 0.3 | 0.279  | 0.000 | 0.000 | 0.2 | 0.619   | 28  | 88.210 |
| Porous Paving 04b                  | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 120 mins:<br>Summer | 107.915 | 107.899 | 0.031 | 0.029 | 0.3 | 0.286  | 0.000 | 0.000 | 0.2 | 0.624   | 21  | 88.212 |
| Porous Under Imp Bus Drop Off b    | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 360 mins:<br>Summer | 107.029 | 106.685 | 0.148 | 0.035 | 1.0 | 4.737  | 0.000 | 0.000 | 0.3 | 4.984   | 264 | 87.195 |
| Porous Paving MUGA (Tennis Courts) | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 960 mins:<br>Winter | 111.545 | 111.382 | 0.099 | 0.062 | 3.2 | 52.604 | 0.000 | 0.000 | 0.7 | 41.523  | 823 | 79.528 |



|                                                                                                                                    |  |  |  |  |  |                                                                                                                 |                           |                            |                                                                                     |  |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                                   |  |  |  |  |  | Date:<br>18/03/2026                                                                                             |                           |                            |  |  |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  |  |  |  |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |                                                                                     |  |
|                                                                                                                                    |  |  |  |  |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |                                                                                     |  |



02 3.33% AEP Surcharge Permitted: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Avg. Depth

| Stormwater Control              | Storm Event                                                        | Max. US Level (m) | Max. DS Level (m) | Max. US Depth (m) | Max. DS Depth (m) | Max. Inflow (L/s) | Max. Resident Volume (m³) | Max. Flooded Volume (m³) | Total Lost Volume (m³) | Max. Outflow (L/s) | Total Discharge Volume (m³) | Half Drain Down Time (mins) | Percentage Available (%) |
|---------------------------------|--------------------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------------|--------------------------|------------------------|--------------------|-----------------------------|-----------------------------|--------------------------|
| Porous Paving MUGA              | 02 3.33% AEP Surcharge Permitted: 30 years: +0 %: 240 mins: Summer | 108.946           | 108.172           | 0.068             | 0.162             | 8.6               | 23.154                    | 0.000                    | 0.000                  | 1.6                | 30.811                      | 192                         | 62.896                   |
| Porous Parking 01               | 02 3.33% AEP Surcharge Permitted: 30 years: +0 %: 120 mins: Summer | 109.296           | 109.254           | 0.221             | 0.204             | 6.2               | 7.643                     | 0.000                    | 0.000                  | 1.9                | 11.973                      | 51                          | 52.808                   |
| Porous Paving 01                | 02 3.33% AEP Surcharge Permitted: 30 years: +0 %: 120 mins: Summer | 109.362           | 109.212           | 0.100             | 0.060             | 1.6               | 1.936                     | 0.000                    | 0.000                  | 0.5                | 2.856                       | 50                          | 62.898                   |
| Bioretention 01                 | 02 3.33% AEP Surcharge Permitted: 30 years: +0 %: 15 mins: Summer  | 109.479           | 109.450           | 1.000             | 1.000             | 2.4               | 2.606                     | 0.000                    | 0.000                  | 0.0                | 0.000                       |                             | 80.218                   |
| Porous Parking 02               | 02 3.33% AEP Surcharge Permitted: 30 years: +0 %: 120 mins: Summer | 109.148           | 109.109           | 0.101             | 0.073             | 2.1               | 2.259                     | 0.000                    | 0.000                  | 1.0                | 6.075                       | 30                          | 80.849                   |
| Porous Paving 02                | 02 3.33% AEP Surcharge Permitted: 30 years: +0 %: 240 mins: Summer | 109.438           | 109.158           | 0.093             | 0.078             | 1.6               | 3.934                     | 0.000                    | 0.000                  | 0.4                | 5.414                       | 126                         | 57.008                   |
| Porous Under Imp Acces Road 02  | 02 3.33% AEP Surcharge Permitted: 30 years: +0 %: 240 mins: Summer | 109.244           | 108.952           | 0.180             | 0.102             | 7.3               | 18.091                    | 0.000                    | 0.000                  | 1.7                | 20.911                      | 138                         | 73.422                   |
| Porous Under Imp Bus Drop Off a | 02 3.33% AEP Surcharge Permitted: 30 years: +0 %: 240 mins: Summer | 108.669           | 108.339           | 0.188             | 0.089             | 4.5               | 10.742                    | 0.000                    | 0.000                  | 1.4                | 17.280                      | 85                          | 73.142                   |
| Porous Under Imp Acces Road 04  | 02 3.33% AEP Surcharge Permitted: 30 years: +0 %: 240 mins: Summer | 107.417           | 107.219           | 0.106             | 0.069             | 3.7               | 8.993                     | 0.000                    | 0.000                  | 0.9                | 11.377                      | 124                         | 83.090                   |
| Porous Under Imp Acces Road 06  | 02 3.33% AEP Surcharge Permitted: 30 years: +0 %: 120 mins: Summer | 107.446           | 107.306           | 0.092             | 0.056             | 2.2               | 2.697                     | 0.000                    | 0.000                  | 0.7                | 3.850                       | 53                          | 86.516                   |
| Porous Under Acces Road 07      | 02 3.33% AEP Surcharge Permitted: 30 years: +0 %: 240 mins: Summer | 107.454           | 107.219           | 0.114             | 0.069             | 3.4               | 7.960                     | 0.000                    | 0.000                  | 0.9                | 10.944                      | 107                         | 81.771                   |
| Bioretention 03                 | 02 3.33% AEP Surcharge Permitted: 30 years: +0 %: 15 mins: Summer  | 109.466           | 109.450           | 1.000             | 1.000             | 1.8               | 2.233                     | 0.000                    | 0.000                  | 0.0                | 0.000                       |                             | 79.354                   |
| Bioretention 02                 | 02 3.33% AEP Surcharge Permitted: 30 years: +0 %: 15 mins: Summer  | 109.485           | 109.454           | 1.001             | 1.001             | 2.4               | 2.649                     | 0.000                    | 0.000                  | 0.0                | 0.000                       | 14043                       | 77.541                   |
| Bioretention 05                 | 02 3.33% AEP Surcharge Permitted: 30 years: +0 %: 15 mins: Summer  | 108.548           | 108.516           | 1.001             | 1.001             | 3.9               | 3.950                     | 0.000                    | 0.000                  | 0.0                | 0.000                       |                             | 80.394                   |
| Bioretention 06                 | 02 3.33% AEP Surcharge Permitted: 30 years: +0 %: 15 mins: Summer  | 109.281           | 109.250           | 1.000             | 1.000             | 3.3               | 3.824                     | 0.000                    | 0.000                  | 0.0                | 0.000                       |                             | 82.101                   |
| Porous Paving 05                | 02 3.33% AEP Surcharge Permitted: 30 years: +0 %: 240 mins: Summer | 109.192           | 109.008           | 0.095             | 0.058             | 1.4               | 2.849                     | 0.000                    | 0.000                  | 0.5                | 4.849                       | 70                          | 63.074                   |
| Porous Paving 06                | 02 3.33% AEP Surcharge Permitted: 30 years: +0 %: 240 mins: Summer | 109.173           | 109.011           | 0.098             | 0.061             | 1.5               | 3.203                     | 0.000                    | 0.000                  | 0.5                | 5.334                       | 72                          | 62.427                   |
| Porous Paving 03                | 02 3.33% AEP Surcharge Permitted: 30 years: +0 %: 240 mins: Summer | 109.363           | 109.227           | 0.110             | 0.077             | 2.6               | 5.993                     | 0.000                    | 0.000                  | 0.7                | 8.348                       | 103                         | 57.945                   |
| Porous Paving 07                | 02 3.33% AEP Surcharge Permitted: 30 years: +0 %: 240 mins: Summer | 108.957           | 108.945           | 0.092             | 0.095             | 2.5               | 5.221                     | 0.000                    | 0.000                  | 1.0                | 9.166                       | 63                          | 62.522                   |
| Porous Paving 08                | 02 3.33% AEP Surcharge Permitted: 30 years: +0 %: 120 mins: Summer | 109.014           | 109.002           | 0.090             | 0.092             | 3.3               | 4.416                     | 0.000                    | 0.000                  | 0.9                | 5.729                       | 68                          | 63.761                   |
| Porous Paving 09                | 02 3.33% AEP Surcharge Permitted: 30 years: +0 %: 120 mins: Summer | 109.299           | 109.287           | 0.093             | 0.087             | 2.9               | 3.906                     | 0.000                    | 0.000                  | 0.9                | 5.083                       | 65                          | 64.066                   |
| Porous Parking 03               | 02 3.33% AEP Surcharge Permitted: 30 years: +0 %: 240 mins: Summer | 107.697           | 107.515           | 0.103             | 0.065             | 1.9               | 4.151                     | 0.000                    | 0.000                  | 0.6                | 6.253                       | 88                          | 77.699                   |
| Porous Paving 10                | 02 3.33% AEP Surcharge Permitted: 30 years: +0 %: 120 mins: Summer | 109.289           | 109.272           | 0.075             | 0.072             | 1.5               | 1.591                     | 0.000                    | 0.000                  | 0.7                | 2.902                       | 31                          | 70.706                   |
| Bioretention 07                 | 02 3.33% AEP Surcharge Permitted: 30 years: +0 %: 15 mins: Summer  | 109.481           | 109.470           | 1.004             | 1.020             | 1.3               | 1.037                     | 0.000                    | 0.000                  | 0.3                | 0.161                       | 73                          | 75.775                   |

|                                                                                                                                    |                                                                                                                 |             |              |                                                                                     |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                                   | Date:<br>18/03/2026                                                                                             |             |              |  |
|                                                                                                                                    | Designed by:                                                                                                    | Checked by: | Approved By: |                                                                                     |
|                                                                                                                                    | A Jones                                                                                                         | P Southern  | P Southern   |                                                                                     |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |             |              |                                                                                     |

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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                                   |  | Date:<br>18/03/2026                                                                                             |                           |                            |  |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |                                                                                     |
|                                                                                                                                    |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |                                                                                     |

|                                    |                                                                              |         |         |       |       |      |         |       |       |     |         |      |        |
|------------------------------------|------------------------------------------------------------------------------|---------|---------|-------|-------|------|---------|-------|-------|-----|---------|------|--------|
| Bioretention 08                    | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer   | 109.473 | 109.464 | 1.003 | 1.014 | 1.1  | 0.882   | 0.000 | 0.000 | 0.3 | 0.164   | 61   | 75.468 |
| Porous Paving 13                   | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120<br>mins: Summer  | 109.300 | 109.196 | 0.075 | 0.046 | 0.7  | 0.745   | 0.000 | 0.000 | 0.3 | 1.481   | 26   | 73.712 |
| Porous Paving 15                   | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120<br>mins: Summer  | 109.308 | 109.199 | 0.079 | 0.049 | 0.9  | 0.934   | 0.000 | 0.000 | 0.4 | 1.725   | 31   | 72.260 |
| Porous Paving 12                   | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 240<br>mins: Summer  | 109.322 | 109.205 | 0.124 | 0.055 | 1.5  | 3.296   | 0.000 | 0.000 | 0.4 | 4.600   | 90   | 59.907 |
| Porous Paving 14                   | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 240<br>mins: Summer  | 109.300 | 109.207 | 0.115 | 0.057 | 1.3  | 2.527   | 0.000 | 0.000 | 0.5 | 4.194   | 63   | 63.497 |
| Porous Paving 17                   | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 240<br>mins: Summer  | 109.327 | 109.218 | 0.133 | 0.068 | 2.4  | 5.925   | 0.000 | 0.000 | 0.6 | 6.977   | 124  | 56.000 |
| Bioretention 09                    | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer   | 109.373 | 109.351 | 1.001 | 1.001 | 1.5  | 1.515   | 0.000 | 0.000 | 0.1 | 0.032   | 367  | 77.184 |
| Porous Paving 16                   | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120<br>mins: Summer  | 109.185 | 109.105 | 0.082 | 0.055 | 1.1  | 1.215   | 0.000 | 0.000 | 0.4 | 2.130   | 34   | 70.876 |
| Porous Paving 11                   | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 360<br>mins: Summer  | 109.148 | 109.014 | 0.140 | 0.064 | 2.0  | 6.536   | 0.000 | 0.000 | 0.6 | 8.735   | 140  | 54.549 |
| Porous Paving 18                   | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 240<br>mins: Summer  | 109.323 | 109.187 | 0.090 | 0.057 | 1.1  | 2.214   | 0.000 | 0.000 | 0.5 | 4.201   | 54   | 65.607 |
| Bioretention 10                    | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer   | 109.283 | 109.250 | 1.000 | 1.000 | 3.1  | 3.458   | 0.000 | 0.000 | 0.0 | 0.000   |      | 81.788 |
| Bioretention 11                    | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 240<br>mins: Summer  | 109.530 | 109.527 | 1.008 | 1.027 | 2.5  | 7.692   | 0.000 | 0.000 | 1.4 | 20.007  | 50   | 27.195 |
| Cellular Storage Under MUGA        | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 960<br>mins: Summer  | 106.410 | 106.410 | 0.110 | 0.110 | 12.5 | 65.988  | 0.000 | 0.000 | 9.0 | 261.138 | 84   | 86.257 |
| Porous Paving 11a                  | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 240<br>mins: Summer  | 109.115 | 108.998 | 0.116 | 0.048 | 1.1  | 2.213   | 0.000 | 0.000 | 0.4 | 3.498   | 71   | 62.791 |
| Porous Paving 17a                  | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 240<br>mins: Summer  | 109.299 | 109.214 | 0.118 | 0.064 | 1.6  | 3.350   | 0.000 | 0.000 | 0.5 | 5.230   | 73   | 61.719 |
| Porous Paving 19                   | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 240<br>mins: Summer  | 109.503 | 109.299 | 0.081 | 0.049 | 1.0  | 1.995   | 0.000 | 0.000 | 0.4 | 3.705   | 61   | 65.271 |
| Porous Under Imp Acces Road 02a    | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 240<br>mins: Summer  | 109.031 | 108.910 | 0.094 | 0.060 | 1.8  | 3.377   | 0.000 | 0.000 | 0.8 | 6.482   | 61   | 86.915 |
| Porous Under Imp Acces Road 03     | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120<br>mins: Summer  | 109.019 | 108.908 | 0.089 | 0.058 | 2.1  | 2.481   | 0.000 | 0.000 | 0.7 | 3.721   | 46   | 87.666 |
| Cellular Storage Under Road        | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 960<br>mins: Summer  | 106.409 | 106.409 | 0.909 | 0.909 | 17.8 | 276.449 | 0.000 | 0.000 | 4.0 | 141.389 |      | 43.269 |
| Bioretention 04                    | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 1440<br>mins: Winter | 106.656 | 107.413 | 0.200 | 1.013 | 0.4  | 14.498  | 0.000 | 0.000 | 0.1 | 0.806   | 4141 | 52.624 |
| Porous Paving 04a                  | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120<br>mins: Summer  | 108.764 | 108.728 | 0.100 | 0.078 | 1.9  | 2.483   | 0.000 | 0.000 | 0.7 | 3.568   | 51   | 65.160 |
| Porous Paving 04c                  | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 60<br>mins: Summer   | 107.325 | 107.303 | 0.061 | 0.053 | 0.8  | 0.537   | 0.000 | 0.000 | 0.4 | 0.961   | 23   | 77.301 |
| Porous Paving 04b                  | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 60<br>mins: Summer   | 107.944 | 107.922 | 0.060 | 0.052 | 0.8  | 0.545   | 0.000 | 0.000 | 0.4 | 0.963   | 24   | 77.584 |
| Porous Under Imp Bus Drop Off b    | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 360<br>mins: Summer  | 107.169 | 106.697 | 0.289 | 0.047 | 1.9  | 8.838   | 0.000 | 0.000 | 0.5 | 9.766   | 302  | 76.109 |
| Porous Paving MUGA (Tennis Courts) | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Winter  | 111.640 | 111.450 | 0.194 | 0.130 | 10.5 | 98.545  | 0.000 | 0.000 | 1.3 | 49.985  | 718  | 61.649 |



|                                                                                                                                    |  |  |  |                                                                                                                 |                           |                            |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                                   |  |  |  | Date:<br>18/03/2026                                                                                             |                           |                            |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  |  |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |
|                                                                                                                                    |  |  |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |



03 3.33% AEP +CCA Surcharge Permitted: 30 years: Increase Rainfall (%): +35: Critical Storm Per Item: Rank By: Max. Avg. Depth

| Stormwater Control              | Storm Event                                                              | Max. US Level (m) | Max. DS Level (m) | Max. US Depth (m) | Max. DS Depth (m) | Max. Inflow (L/s) | Max. Resident Volume (m³) | Max. Flooded Volume (m³) | Total Lost Volume (m³) | Max. Outflow (L/s) | Total Discharge Volume (m³) | Half Drain Down Time (mins) | Percentage Available (%) |
|---------------------------------|--------------------------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------------|--------------------------|------------------------|--------------------|-----------------------------|-----------------------------|--------------------------|
| Porous Paving MUGA              | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 108.976           | 108.232           | 0.099             | 0.222             | 11.6              | 31.736                    | 0.000                    | 0.000                  | 2.0                | 39.634                      | 170                         | 49.144                   |
| Porous Parking 01               | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 120 mins: Summer | 109.375           | 109.334           | 0.301             | 0.284             | 8.4               | 10.506                    | 0.000                    | 0.000                  | 2.3                | 16.174                      | 57                          | 35.128                   |
| Porous Paving 01                | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 120 mins: Summer | 109.409           | 109.226           | 0.146             | 0.075             | 2.1               | 2.579                     | 0.000                    | 0.000                  | 0.7                | 3.749                       | 48                          | 50.572                   |
| Bioretention 01                 | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 15 mins: Summer  | 109.481           | 109.457           | 1.002             | 1.007             | 3.3               | 3.031                     | 0.000                    | 0.000                  | 0.1                | 0.084                       | 472                         | 76.992                   |
| Porous Parking 02               | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 120 mins: Summer | 109.175           | 109.129           | 0.128             | 0.092             | 2.8               | 2.870                     | 0.000                    | 0.000                  | 1.4                | 7.858                       | 26                          | 75.675                   |
| Porous Paving 02                | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 109.487           | 109.182           | 0.142             | 0.102             | 2.2               | 5.416                     | 0.000                    | 0.000                  | 0.5                | 7.221                       | 142                         | 40.817                   |
| Porous Under Imp Acces Road 02  | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 360 mins: Summer | 109.324           | 108.969           | 0.260             | 0.119             | 7.4               | 24.324                    | 0.000                    | 0.000                  | 2.1                | 35.140                      | 134                         | 64.264                   |
| Porous Under Imp Bus Drop Off a | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 108.748           | 108.357           | 0.267             | 0.107             | 6.2               | 14.272                    | 0.000                    | 0.000                  | 1.8                | 23.302                      | 83                          | 64.317                   |
| Porous Under Imp Acces Road 04  | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 107.463           | 107.235           | 0.152             | 0.085             | 5.0               | 11.941                    | 0.000                    | 0.000                  | 1.3                | 15.833                      | 117                         | 77.546                   |
| Porous Under Imp Acces Road 06  | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 120 mins: Summer | 107.484           | 107.320           | 0.130             | 0.070             | 2.9               | 3.550                     | 0.000                    | 0.000                  | 1.0                | 5.113                       | 48                          | 82.254                   |
| Porous Under Acces Road 07      | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 107.506           | 107.235           | 0.166             | 0.085             | 4.6               | 10.606                    | 0.000                    | 0.000                  | 1.3                | 15.089                      | 102                         | 75.711                   |
| Bioretention 03                 | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 360 mins: Summer | 109.475           | 109.467           | 1.009             | 1.017             | 2.8               | 6.755                     | 0.000                    | 0.000                  | 1.5                | 20.618                      | 47                          | 37.551                   |
| Bioretention 02                 | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 109.496           | 108.653           | 1.011             | 0.200             | 1.7               | 6.238                     | 0.000                    | 0.000                  | 0.9                | 10.156                      | 120                         | 47.112                   |
| Bioretention 05                 | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 15 mins: Summer  | 108.550           | 108.529           | 1.003             | 1.015             | 5.4               | 4.569                     | 0.000                    | 0.000                  | 0.2                | 0.136                       | 365                         | 77.321                   |
| Bioretention 06                 | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 15 mins: Summer  | 109.282           | 109.251           | 1.001             | 1.001             | 4.5               | 4.488                     | 0.000                    | 0.000                  | 0.0                | 0.000                       |                             | 78.994                   |
| Porous Paving 05                | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 109.238           | 109.021           | 0.141             | 0.071             | 1.9               | 3.820                     | 0.000                    | 0.000                  | 0.6                | 6.623                       | 69                          | 50.495                   |
| Porous Paving 06                | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 109.219           | 109.025           | 0.144             | 0.075             | 2.1               | 4.282                     | 0.000                    | 0.000                  | 0.7                | 7.298                       | 71                          | 49.772                   |
| Porous Paving 03                | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 109.409           | 109.244           | 0.156             | 0.094             | 3.5               | 7.965                     | 0.000                    | 0.000                  | 1.0                | 11.492                      | 99                          | 44.112                   |
| Porous Paving 07                | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 108.988           | 108.975           | 0.123             | 0.125             | 3.4               | 6.909                     | 0.000                    | 0.000                  | 1.3                | 12.517                      | 61                          | 50.401                   |
| Porous Paving 08                | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 120 mins: Summer | 109.044           | 109.030           | 0.120             | 0.120             | 4.4               | 5.840                     | 0.000                    | 0.000                  | 1.3                | 7.909                       | 64                          | 52.074                   |
| Porous Paving 09                | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 120 mins: Summer | 109.329           | 109.314           | 0.123             | 0.114             | 3.9               | 5.138                     | 0.000                    | 0.000                  | 1.2                | 7.082                       | 59                          | 52.728                   |
| Porous Parking 03               | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 240 mins: Summer | 107.745           | 107.530           | 0.151             | 0.080             | 2.5               | 5.561                     | 0.000                    | 0.000                  | 0.8                | 8.558                       | 86                          | 70.125                   |
| Porous Paving 10                | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 120 mins: Summer | 109.312           | 109.292           | 0.098             | 0.092             | 2.0               | 2.054                     | 0.000                    | 0.000                  | 0.9                | 3.934                       | 27                          | 62.171                   |
| Bioretention 07                 | 03 3.33% AEP +CCA Surcharge Permitted: 30 years: +35 %: 15 mins: Summer  | 109.484           | 109.484           | 1.007             | 1.034             | 1.8               | 1.258                     | 0.000                    | 0.000                  | 0.5                | 0.353                       | 54                          | 70.621                   |



|                                                                                                                                    |  |                                                                                                                 |                           |                                                                                     |                            |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                                   |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                                    |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |

|                                          |                                                                                    |         |         |       |       |      |         |       |       |      |         |      |        |
|------------------------------------------|------------------------------------------------------------------------------------|---------|---------|-------|-------|------|---------|-------|-------|------|---------|------|--------|
| Bioretention 08                          | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer   | 109.477 | 109.478 | 1.007 | 1.028 | 1.5  | 1.048   | 0.000 | 0.000 | 0.5  | 0.365   | 47   | 70.858 |
| Porous Paving<br>13                      | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120<br>mins: Summer  | 109.329 | 109.207 | 0.104 | 0.057 | 1.0  | 0.975   | 0.000 | 0.000 | 0.5  | 1.969   | 25   | 65.608 |
| Porous Paving<br>15                      | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120<br>mins: Summer  | 109.340 | 109.211 | 0.110 | 0.061 | 1.2  | 1.225   | 0.000 | 0.000 | 0.5  | 2.290   | 29   | 63.616 |
| Porous Paving<br>12                      | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240<br>mins: Summer  | 109.369 | 109.219 | 0.171 | 0.069 | 2.0  | 4.361   | 0.000 | 0.000 | 0.6  | 6.438   | 84   | 46.959 |
| Porous Paving<br>14                      | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240<br>mins: Summer  | 109.342 | 109.221 | 0.157 | 0.071 | 1.7  | 3.314   | 0.000 | 0.000 | 0.6  | 5.839   | 58   | 52.122 |
| Porous Paving<br>17                      | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 360<br>mins: Summer  | 109.377 | 109.230 | 0.183 | 0.080 | 2.5  | 7.850   | 0.000 | 0.000 | 0.8  | 11.855  | 116  | 41.703 |
| Bioretention 09                          | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer   | 109.375 | 109.365 | 1.003 | 1.015 | 2.0  | 1.694   | 0.000 | 0.000 | 0.4  | 0.210   | 90   | 74.495 |
| Porous Paving<br>16                      | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120<br>mins: Summer  | 109.215 | 109.120 | 0.112 | 0.070 | 1.5  | 1.592   | 0.000 | 0.000 | 0.6  | 2.865   | 31   | 61.846 |
| Porous Paving<br>11                      | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 360<br>mins: Summer  | 109.200 | 109.029 | 0.192 | 0.079 | 2.7  | 8.706   | 0.000 | 0.000 | 0.8  | 11.878  | 135  | 39.454 |
| Porous Paving<br>18                      | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240<br>mins: Summer  | 109.364 | 109.199 | 0.132 | 0.069 | 1.6  | 2.942   | 0.000 | 0.000 | 0.6  | 5.716   | 53   | 54.304 |
| Bioretention 10                          | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer   | 109.285 | 109.252 | 1.001 | 1.002 | 4.2  | 4.062   | 0.000 | 0.000 | 0.0  | 0.004   | 3326 | 78.606 |
| Bioretention 11                          | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240<br>mins: Summer  | 109.556 | 109.556 | 1.035 | 1.056 | 3.1  | 9.828   | 0.000 | 0.000 | 2.2  | 27.470  | 46   | 6.972  |
| Cellular<br>Storage Under<br>MUGA        | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %:<br>1440 mins: Summer | 106.665 | 106.665 | 0.365 | 0.365 | 14.7 | 218.631 | 0.000 | 0.000 | 12.0 | 407.241 | 358  | 54.467 |
| Porous Paving<br>11a                     | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240<br>mins: Summer  | 109.161 | 109.010 | 0.162 | 0.060 | 1.4  | 2.929   | 0.000 | 0.000 | 0.5  | 4.863   | 67   | 50.748 |
| Porous Paving<br>17a                     | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240<br>mins: Summer  | 109.342 | 109.230 | 0.161 | 0.080 | 2.1  | 4.399   | 0.000 | 0.000 | 0.8  | 7.303   | 67   | 49.726 |
| Porous Paving<br>19                      | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240<br>mins: Summer  | 109.548 | 109.309 | 0.126 | 0.059 | 1.4  | 2.686   | 0.000 | 0.000 | 0.5  | 5.025   | 62   | 53.224 |
| Porous Under<br>Imp Acces<br>Road 02a    | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120<br>mins: Summer  | 109.065 | 108.930 | 0.129 | 0.080 | 3.6  | 4.429   | 0.000 | 0.000 | 1.2  | 6.089   | 51   | 82.840 |
| Porous Under<br>Imp Acces<br>Road 03     | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120<br>mins: Summer  | 109.052 | 108.923 | 0.123 | 0.073 | 2.8  | 3.244   | 0.000 | 0.000 | 1.0  | 4.997   | 41   | 83.876 |
| Cellular<br>Storage Under<br>Road        | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %:<br>1440 mins: Summer | 106.665 | 106.665 | 1.165 | 1.165 | 24.1 | 354.124 | 0.000 | 0.000 | 4.7  | 191.597 |      | 27.329 |
| Bioretention 04                          | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 960<br>mins: Winter  | 106.656 | 107.435 | 0.200 | 1.035 | 0.7  | 15.261  | 0.000 | 0.000 | 0.3  | 4.288   | 967  | 50.130 |
| Porous Paving<br>04a                     | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120<br>mins: Summer  | 108.792 | 108.751 | 0.128 | 0.101 | 2.5  | 3.217   | 0.000 | 0.000 | 1.1  | 4.669   | 43   | 54.863 |
| Porous Paving<br>04c                     | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 60<br>mins: Summer   | 107.344 | 107.317 | 0.080 | 0.067 | 1.1  | 0.690   | 0.000 | 0.000 | 0.6  | 1.301   | 21   | 70.840 |
| Porous Paving<br>04b                     | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 60<br>mins: Summer   | 107.963 | 107.936 | 0.078 | 0.066 | 1.1  | 0.699   | 0.000 | 0.000 | 0.6  | 1.296   | 22   | 71.223 |
| Porous Under<br>Imp Bus Drop<br>Off b    | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 360<br>mins: Summer  | 107.300 | 106.717 | 0.420 | 0.067 | 2.6  | 11.827  | 0.000 | 0.000 | 0.9  | 12.808  | 233  | 68.027 |
| Porous Paving<br>MUGA (Tennis<br>Courts) | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 480<br>mins: Winter  | 111.712 | 111.526 | 0.266 | 0.206 | 14.2 | 137.490 | 0.000 | 0.000 | 1.4  | 60.179  | 885  | 46.492 |

|                                                                                                                                    |                                                                                                                 |                           |                            |                                                                                     |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                                   | Date:<br>18/03/2026                                                                                             |                           |                            |  |
|                                                                                                                                    | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |                                                                                     |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |                                                                                     |

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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                | Date:<br>18/03/2026                                                                                                                |                           |                                                                                     |
|                                                                                                                 | Designed by:<br>A Jones                                                                                                            | Checked by:<br>P Southern | Approved By:<br>P Southern                                                          |
|                                                                                                                 | Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |                           |                                                                                     |
| Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                                                                                                                                    |                           |  |



04 1% AEP No Flooding: 100 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Avg. Depth

| Stormwater Control              | Storm Event                                              | Max. US Level (m) | Max. DS Level (m) | Max. US Depth (m) | Max. DS Depth (m) | Max. Inflow (L/s) | Max. Resident Volume (m³) | Max. Flooded Volume (m³) | Total Lost Volume (m³) | Max. Outflow (L/s) | Total Discharge Volume (m³) | Half Drain Down Time (mins) | Percentage Available (%) |
|---------------------------------|----------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------------|--------------------------|------------------------|--------------------|-----------------------------|-----------------------------|--------------------------|
| Porous Paving MUGA              | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 108.979           | 108.236           | 0.101             | 0.226             | 11.9              | 32.381                    | 0.000                    | 0.000                  | 2.0                | 40.357                      | 172                         | 48.109                   |
| Porous Parking 01               | 04 1% AEP No Flooding: 100 years: +0 %: 120 mins: Summer | 109.382           | 109.341           | 0.307             | 0.291             | 8.6               | 10.742                    | 0.000                    | 0.000                  | 2.4                | 16.507                      | 58                          | 33.667                   |
| Porous Paving 01                | 04 1% AEP No Flooding: 100 years: +0 %: 120 mins: Summer | 109.411           | 109.227           | 0.149             | 0.076             | 2.2               | 2.630                     | 0.000                    | 0.000                  | 0.7                | 3.850                       | 48                          | 49.605                   |
| Bioretention 01                 | 04 1% AEP No Flooding: 100 years: +0 %: 15 mins: Summer  | 109.481           | 109.457           | 1.002             | 1.007             | 3.3               | 3.031                     | 0.000                    | 0.000                  | 0.1                | 0.083                       | 473                         | 76.997                   |
| Porous Parking 02               | 04 1% AEP No Flooding: 100 years: +0 %: 120 mins: Summer | 109.177           | 109.131           | 0.131             | 0.094             | 2.8               | 2.916                     | 0.000                    | 0.000                  | 1.4                | 8.103                       | 25                          | 75.286                   |
| Porous Paving 02                | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 109.491           | 109.185           | 0.146             | 0.105             | 2.3               | 5.528                     | 0.000                    | 0.000                  | 0.5                | 7.436                       | 140                         | 39.597                   |
| Porous Under Imp Acces Road 02  | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 109.329           | 108.977           | 0.265             | 0.127             | 10.1              | 24.755                    | 0.000                    | 0.000                  | 2.3                | 29.577                      | 134                         | 63.631                   |
| Porous Under Imp Bus Drop Off a | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 108.753           | 108.358           | 0.272             | 0.108             | 6.3               | 14.494                    | 0.000                    | 0.000                  | 1.8                | 23.977                      | 102                         | 63.761                   |
| Porous Under Imp Acces Road 04  | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 107.467           | 107.237           | 0.155             | 0.087             | 5.1               | 12.146                    | 0.000                    | 0.000                  | 1.3                | 16.270                      | 115                         | 77.161                   |
| Porous Under Imp Acces Road 06  | 04 1% AEP No Flooding: 100 years: +0 %: 120 mins: Summer | 107.487           | 107.322           | 0.133             | 0.072             | 3.0               | 3.622                     | 0.000                    | 0.000                  | 1.0                | 5.267                       | 48                          | 81.895                   |
| Porous Under Acces Road 07      | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 107.510           | 107.236           | 0.170             | 0.086             | 4.7               | 10.787                    | 0.000                    | 0.000                  | 1.3                | 15.508                      | 101                         | 75.295                   |
| Bioretention 03                 | 04 1% AEP No Flooding: 100 years: +0 %: 480 mins: Summer | 109.476           | 109.474           | 1.010             | 1.024             | 2.6               | 6.881                     | 0.000                    | 0.000                  | 1.5                | 23.564                      | 46                          | 36.388                   |
| Bioretention 02                 | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 109.496           | 108.653           | 1.011             | 0.200             | 1.8               | 6.288                     | 0.000                    | 0.000                  | 0.9                | 10.466                      | 114                         | 46.687                   |
| Bioretention 05                 | 04 1% AEP No Flooding: 100 years: +0 %: 15 mins: Summer  | 108.550           | 108.529           | 1.003             | 1.014             | 5.3               | 4.567                     | 0.000                    | 0.000                  | 0.2                | 0.135                       | 366                         | 77.332                   |
| Bioretention 06                 | 04 1% AEP No Flooding: 100 years: +0 %: 15 mins: Summer  | 109.282           | 109.251           | 1.001             | 1.001             | 4.5               | 4.488                     | 0.000                    | 0.000                  | 0.0                | 0.000                       |                             | 78.994                   |
| Porous Paving 05                | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 109.242           | 109.021           | 0.144             | 0.071             | 1.9               | 3.890                     | 0.000                    | 0.000                  | 0.6                | 6.790                       | 69                          | 49.595                   |
| Porous Paving 06                | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 109.222           | 109.026           | 0.147             | 0.076             | 2.1               | 4.360                     | 0.000                    | 0.000                  | 0.7                | 7.471                       | 71                          | 48.863                   |
| Porous Paving 03                | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 109.412           | 109.246           | 0.159             | 0.096             | 3.5               | 8.113                     | 0.000                    | 0.000                  | 1.0                | 11.804                      | 98                          | 43.073                   |
| Porous Paving 07                | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 108.990           | 108.977           | 0.125             | 0.127             | 3.5               | 7.037                     | 0.000                    | 0.000                  | 1.3                | 12.735                      | 61                          | 49.486                   |
| Porous Paving 08                | 04 1% AEP No Flooding: 100 years: +0 %: 120 mins: Summer | 109.047           | 109.033           | 0.122             | 0.123             | 4.5               | 5.960                     | 0.000                    | 0.000                  | 1.3                | 8.090                       | 64                          | 51.089                   |
| Porous Paving 09                | 04 1% AEP No Flooding: 100 years: +0 %: 120 mins: Summer | 109.331           | 109.316           | 0.125             | 0.116             | 4.0               | 5.232                     | 0.000                    | 0.000                  | 1.2                | 7.234                       | 59                          | 51.861                   |
| Porous Parking 03               | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | 107.748           | 107.530           | 0.154             | 0.080             | 2.6               | 5.649                     | 0.000                    | 0.000                  | 0.8                | 8.754                       | 87                          | 69.653                   |
| Porous Paving 10                | 04 1% AEP No Flooding: 100 years: +0 %: 120 mins: Summer | 109.314           | 109.293           | 0.100             | 0.093             | 2.0               | 2.092                     | 0.000                    | 0.000                  | 1.0                | 4.030                       | 27                          | 61.473                   |
| Bioretention 07                 | 04 1% AEP No Flooding: 100 years: +0 %: 15 mins: Summer  | 109.484           | 109.484           | 1.007             | 1.034             | 1.8               | 1.258                     | 0.000                    | 0.000                  | 0.5                | 0.353                       | 54                          | 70.627                   |



|                                                                                                                                    |  |                                                                                                                 |                           |                                                                                     |                            |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                                   |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                                    |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |

|                                          |                                                                   |         |         |       |       |      |         |       |       |      |         |      |        |
|------------------------------------------|-------------------------------------------------------------------|---------|---------|-------|-------|------|---------|-------|-------|------|---------|------|--------|
| Bioretention 08                          | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer  | 109.477 | 109.478 | 1.007 | 1.028 | 1.5  | 1.047   | 0.000 | 0.000 | 0.5  | 0.365   | 46   | 70.867 |
| Porous Paving<br>13                      | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | 109.332 | 109.208 | 0.107 | 0.058 | 1.0  | 0.991   | 0.000 | 0.000 | 0.5  | 2.004   | 25   | 65.064 |
| Porous Paving<br>15                      | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | 109.343 | 109.212 | 0.113 | 0.062 | 1.2  | 1.249   | 0.000 | 0.000 | 0.5  | 2.356   | 28   | 62.918 |
| Porous Paving<br>12                      | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | 109.373 | 109.220 | 0.174 | 0.070 | 2.0  | 4.440   | 0.000 | 0.000 | 0.6  | 6.622   | 84   | 45.999 |
| Porous Paving<br>14                      | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | 109.345 | 109.222 | 0.160 | 0.072 | 1.7  | 3.366   | 0.000 | 0.000 | 0.7  | 5.967   | 58   | 51.384 |
| Porous Paving<br>17                      | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | 109.379 | 109.237 | 0.185 | 0.087 | 3.4  | 7.978   | 0.000 | 0.000 | 0.9  | 10.117  | 115  | 40.750 |
| Bioretention 09                          | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer  | 109.375 | 109.365 | 1.003 | 1.015 | 2.0  | 1.694   | 0.000 | 0.000 | 0.4  | 0.210   | 90   | 74.495 |
| Porous Paving<br>16                      | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | 109.219 | 109.121 | 0.115 | 0.071 | 1.5  | 1.625   | 0.000 | 0.000 | 0.6  | 2.954   | 31   | 61.040 |
| Porous Paving<br>11                      | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 360 mins:<br>Summer | 109.203 | 109.029 | 0.195 | 0.079 | 2.7  | 8.825   | 0.000 | 0.000 | 0.8  | 12.245  | 135  | 38.625 |
| Porous Paving<br>18                      | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | 109.367 | 109.200 | 0.134 | 0.070 | 1.6  | 2.987   | 0.000 | 0.000 | 0.6  | 5.849   | 53   | 53.594 |
| Bioretention 10                          | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer  | 109.285 | 109.252 | 1.001 | 1.002 | 4.2  | 4.060   | 0.000 | 0.000 | 0.0  | 0.003   | 3498 | 78.619 |
| Bioretention 11                          | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | 109.557 | 109.556 | 1.035 | 1.056 | 3.2  | 9.950   | 0.000 | 0.000 | 2.3  | 28.086  | 45   | 5.818  |
| Cellular<br>Storage Under<br>MUGA        | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 960 mins:<br>Summer | 106.651 | 106.651 | 0.351 | 0.351 | 18.4 | 209.985 | 0.000 | 0.000 | 14.0 | 281.715 | 293  | 56.267 |
| Porous Paving<br>11a                     | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | 109.163 | 109.011 | 0.165 | 0.061 | 1.5  | 2.973   | 0.000 | 0.000 | 0.5  | 4.982   | 67   | 50.002 |
| Porous Paving<br>17a                     | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | 109.344 | 109.231 | 0.163 | 0.081 | 2.2  | 4.467   | 0.000 | 0.000 | 0.8  | 7.462   | 66   | 48.945 |
| Porous Paving<br>19                      | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | 109.551 | 109.310 | 0.129 | 0.060 | 1.4  | 2.731   | 0.000 | 0.000 | 0.5  | 5.143   | 62   | 52.455 |
| Porous Under<br>Imp Acces<br>Road 02a    | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | 109.068 | 108.931 | 0.132 | 0.081 | 3.7  | 4.519   | 0.000 | 0.000 | 1.2  | 6.276   | 51   | 82.490 |
| Porous Under<br>Imp Acces<br>Road 03     | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | 109.055 | 108.924 | 0.126 | 0.074 | 2.8  | 3.306   | 0.000 | 0.000 | 1.0  | 5.133   | 41   | 83.567 |
| Cellular<br>Storage Under<br>Road        | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 960 mins:<br>Summer | 106.651 | 106.651 | 1.151 | 1.151 | 28.2 | 349.754 | 0.000 | 0.000 | 5.0  | 135.400 |      | 28.226 |
| Bioretention 04                          | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 960 mins:<br>Winter | 106.656 | 107.434 | 0.200 | 1.034 | 0.7  | 15.217  | 0.000 | 0.000 | 0.3  | 4.139   | 973  | 50.274 |
| Porous Paving<br>04a                     | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | 108.795 | 108.752 | 0.130 | 0.102 | 2.6  | 3.281   | 0.000 | 0.000 | 1.1  | 4.769   | 43   | 53.965 |
| Porous Paving<br>04c                     | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 60 mins:<br>Summer  | 107.345 | 107.318 | 0.081 | 0.068 | 1.1  | 0.697   | 0.000 | 0.000 | 0.6  | 1.317   | 21   | 70.547 |
| Porous Paving<br>04b                     | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 60 mins:<br>Summer  | 107.964 | 107.937 | 0.080 | 0.067 | 1.1  | 0.711   | 0.000 | 0.000 | 0.6  | 1.324   | 21   | 70.746 |
| Porous Under<br>Imp Bus Drop<br>Off b    | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | 107.343 | 106.717 | 0.462 | 0.067 | 3.5  | 11.996  | 0.000 | 0.000 | 0.9  | 10.725  | 252  | 67.572 |
| Porous Paving<br>MUGA (Tennis<br>Courts) | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 480 mins:<br>Winter | 111.715 | 111.528 | 0.269 | 0.208 | 14.3 | 139.076 | 0.000 | 0.000 | 1.4  | 60.534  | 894  | 45.875 |

|                                                                                                                                    |                                                                                                                 |             |              |                                                                                     |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                                   | Date:<br>18/03/2026                                                                                             |             |              |  |
|                                                                                                                                    | Designed by:                                                                                                    | Checked by: | Approved By: |                                                                                     |
|                                                                                                                                    | A Jones                                                                                                         | P Southern  | P Southern   |                                                                                     |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |             |              |                                                                                     |

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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                                   |  |  |  | Date:<br>18/03/2026                                                                                             |                           |                            |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  |  |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |
|                                                                                                                                    |  |  |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |



05 1% AEP+CCA Flooding Permitted: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Avg. Depth

| Stormwater Control              | Storm Event                                                          | Max. US Level (m) | Max. DS Level (m) | Max. US Depth (m) | Max. DS Depth (m) | Max. Inflow (L/s) | Max. Resident Volume (m³) | Max. Flooded Volume (m³) | Total Lost Volume (m³) | Max. Outflow (L/s) | Total Discharge Volume (m³) | Half Drain Down Time (mins) | Percentage Available (%) |
|---------------------------------|----------------------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------------|--------------------------|------------------------|--------------------|-----------------------------|-----------------------------|--------------------------|
| Porous Paving MUGA              | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer | 109.034           | 108.319           | 0.157             | 0.309             | 16.6              | 46.294                    | 0.000                    | 0.000                  | 2.5                | 50.937                      | 205                         | 25.814                   |
| Porous Parking 01               | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | 109.511           | 109.473           | 0.436             | 0.423             | 12.0              | 15.441                    | 0.000                    | 0.000                  | 2.9                | 23.094                      | 68                          | 4.654                    |
| Porous Paving 01                | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer | 109.485           | 109.237           | 0.223             | 0.085             | 2.1               | 3.643                     | 0.000                    | 0.000                  | 0.8                | 7.765                       | 47                          | 30.190                   |
| Bioretention 01                 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 15 mins: Summer  | 109.484           | 109.477           | 1.005             | 1.027             | 4.7               | 3.521                     | 0.000                    | 0.000                  | 0.6                | 0.398                       | 115                         | 73.275                   |
| Porous Parking 02               | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | 109.215           | 109.159           | 0.168             | 0.122             | 3.8               | 3.787                     | 0.000                    | 0.000                  | 2.1                | 11.630                      | 29                          | 67.904                   |
| Porous Paving 02                | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer | 109.568           | 109.225           | 0.223             | 0.145             | 3.2               | 7.906                     | 0.168                    | 0.000                  | 0.7                | 10.083                      | 125                         | 13.611                   |
| Porous Under Imp Acces Road 02  | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer | 109.453           | 109.011           | 0.389             | 0.161             | 14.1              | 34.369                    | 0.000                    | 0.000                  | 3.2                | 41.423                      | 132                         | 49.507                   |
| Porous Under Imp Bus Drop Off a | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer | 108.859           | 108.381           | 0.378             | 0.131             | 8.8               | 19.109                    | 0.000                    | 0.000                  | 2.4                | 32.806                      | 93                          | 52.222                   |
| Porous Under Imp Acces Road 04  | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer | 107.542           | 107.259           | 0.230             | 0.109             | 7.2               | 16.739                    | 0.000                    | 0.000                  | 1.8                | 23.122                      | 110                         | 68.523                   |
| Porous Under Imp Acces Road 06  | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | 107.545           | 107.343           | 0.191             | 0.093             | 4.2               | 4.914                     | 0.000                    | 0.000                  | 1.5                | 7.788                       | 43                          | 75.434                   |
| Porous Under Acces Road 07      | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer | 107.595           | 107.257           | 0.255             | 0.107             | 6.6               | 14.949                    | 0.000                    | 0.000                  | 1.8                | 21.869                      | 99                          | 65.765                   |
| Bioretention 03                 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer | 109.521           | 109.520           | 1.054             | 1.070             | 5.1               | 8.269                     | 0.000                    | 0.000                  | 3.8                | 28.445                      | 29                          | 23.556                   |
| Bioretention 02                 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer | 109.510           | 109.510           | 1.025             | 1.057             | 2.6               | 7.855                     | 0.000                    | 0.000                  | 1.4                | 15.292                      | 79                          | 33.398                   |
| Bioretention 05                 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 15 mins: Summer  | 108.553           | 108.549           | 1.006             | 1.034             | 7.6               | 5.490                     | 0.000                    | 0.000                  | 0.8                | 0.470                       | 131                         | 72.752                   |
| Bioretention 06                 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 15 mins: Summer  | 109.285           | 109.270           | 1.004             | 1.020             | 6.4               | 5.250                     | 0.000                    | 0.000                  | 0.4                | 0.275                       | 246                         | 75.425                   |
| Porous Paving 05                | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer | 109.314           | 109.038           | 0.216             | 0.088             | 2.7               | 5.438                     | 0.000                    | 0.000                  | 0.9                | 9.497                       | 70                          | 29.523                   |
| Porous Paving 06                | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer | 109.293           | 109.043           | 0.218             | 0.093             | 3.0               | 6.072                     | 0.000                    | 0.000                  | 1.0                | 10.510                      | 71                          | 28.783                   |
| Porous Paving 03                | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer | 109.483           | 109.277           | 0.230             | 0.127             | 5.0               | 11.315                    | 0.000                    | 0.000                  | 1.3                | 16.701                      | 100                         | 20.604                   |
| Porous Paving 07                | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer | 109.041           | 109.029           | 0.177             | 0.179             | 4.9               | 9.903                     | 0.000                    | 0.000                  | 1.7                | 17.989                      | 65                          | 28.909                   |
| Porous Paving 08                | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | 109.096           | 109.082           | 0.171             | 0.172             | 6.3               | 8.359                     | 0.000                    | 0.000                  | 1.7                | 11.536                      | 67                          | 31.406                   |
| Porous Paving 09                | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | 109.378           | 109.364           | 0.173             | 0.164             | 5.6               | 7.299                     | 0.000                    | 0.000                  | 1.6                | 10.367                      | 61                          | 32.845                   |
| Porous Parking 03               | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer | 107.822           | 107.549           | 0.228             | 0.099             | 3.6               | 7.861                     | 0.000                    | 0.000                  | 1.1                | 12.279                      | 86                          | 57.770                   |
| Porous Paving 10                | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | 109.350           | 109.326           | 0.136             | 0.126             | 2.8               | 2.839                     | 0.000                    | 0.000                  | 1.3                | 5.692                       | 26                          | 47.720                   |
| Bioretention 07                 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 15 mins: Summer  | 109.502           | 109.502           | 1.024             | 1.052             | 2.6               | 1.598                     | 0.000                    | 0.000                  | 0.7                | 0.557                       | 52                          | 62.670                   |

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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                                   | Date:<br>18/03/2026                                                                                             |             |              |  |
|                                                                                                                                    | Designed by:                                                                                                    | Checked by: | Approved By: |                                                                                     |
|                                                                                                                                    | A Jones                                                                                                         | P Southern  | P Southern   |                                                                                     |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |             |              |                                                                                     |

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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                                   |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                                    |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |

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| Bioretention 08                          | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer   | 109.494 | 109.495 | 1.024 | 1.045 | 2.1  | 1.359   | 0.000 | 0.000 | 0.8  | 0.602   | 39   | 62.195 |
| Porous Paving<br>13                      | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %:<br>120 mins: Summer  | 109.379 | 109.223 | 0.154 | 0.073 | 1.4  | 1.353   | 0.000 | 0.000 | 0.7  | 2.898   | 23   | 52.280 |
| Porous Paving<br>15                      | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %:<br>120 mins: Summer  | 109.392 | 109.229 | 0.163 | 0.079 | 1.7  | 1.705   | 0.000 | 0.000 | 0.7  | 3.393   | 27   | 49.382 |
| Porous Paving<br>12                      | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %:<br>240 mins: Summer  | 109.445 | 109.238 | 0.247 | 0.088 | 2.8  | 6.123   | 0.000 | 0.000 | 0.9  | 9.524   | 80   | 25.527 |
| Porous Paving<br>14                      | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %:<br>240 mins: Summer  | 109.409 | 109.241 | 0.224 | 0.091 | 2.4  | 4.587   | 0.000 | 0.000 | 0.9  | 8.503   | 55   | 33.738 |
| Porous Paving<br>17                      | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %:<br>240 mins: Summer  | 109.647 | 109.264 | 0.453 | 0.114 | 4.7  | 10.989  | 0.123 | 0.000 | 1.2  | 14.640  | 110  | 18.391 |
| Bioretention 09                          | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer   | 109.381 | 109.381 | 1.009 | 1.031 | 2.9  | 2.044   | 0.000 | 0.000 | 0.8  | 0.522   | 58   | 69.222 |
| Porous Paving<br>16                      | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %:<br>120 mins: Summer  | 109.266 | 109.141 | 0.163 | 0.091 | 2.1  | 2.205   | 0.000 | 0.000 | 0.9  | 4.245   | 28   | 47.145 |
| Porous Paving<br>11                      | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %:<br>360 mins: Summer  | 109.461 | 109.051 | 0.453 | 0.101 | 3.8  | 12.086  | 0.434 | 0.000 | 1.1  | 17.972  | 126  | 15.947 |
| Porous Paving<br>18                      | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %:<br>240 mins: Summer  | 109.432 | 109.215 | 0.200 | 0.085 | 2.2  | 4.163   | 0.000 | 0.000 | 0.9  | 8.231   | 54   | 35.326 |
| Bioretention 10                          | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer   | 109.288 | 109.273 | 1.004 | 1.023 | 5.9  | 4.720   | 0.000 | 0.000 | 0.5  | 0.300   | 194  | 75.145 |
| Bioretention 11                          | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %:<br>240 mins: Summer  | 109.561 | 109.560 | 1.039 | 1.060 | 4.1  | 10.326  | 0.000 | 0.000 | 3.4  | 39.707  | 37   | 2.263  |
| Cellular<br>Storage Under<br>MUGA        | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %:<br>1440 mins: Summer | 107.022 | 107.022 | 0.722 | 0.722 | 27.3 | 432.130 | 0.000 | 0.000 | 16.8 | 435.296 | 642  | 10.002 |
| Porous Paving<br>11a                     | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %:<br>240 mins: Summer  | 109.233 | 109.026 | 0.235 | 0.076 | 2.0  | 4.112   | 0.000 | 0.000 | 0.7  | 7.124   | 65   | 30.857 |
| Porous Paving<br>17a                     | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %:<br>240 mins: Summer  | 109.408 | 109.254 | 0.228 | 0.104 | 3.1  | 6.089   | 0.000 | 0.000 | 1.1  | 10.702  | 62   | 30.414 |
| Porous Paving<br>19                      | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %:<br>240 mins: Summer  | 109.623 | 109.322 | 0.201 | 0.072 | 2.0  | 3.875   | 0.000 | 0.000 | 0.7  | 7.195   | 65   | 32.522 |
| Porous Under<br>Imp Acces<br>Road 02a    | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %:<br>120 mins: Summer  | 109.122 | 108.956 | 0.186 | 0.106 | 5.1  | 6.118   | 0.000 | 0.000 | 1.8  | 9.279   | 45   | 76.295 |
| Porous Under<br>Imp Acces<br>Road 03     | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %:<br>120 mins: Summer  | 109.105 | 108.947 | 0.175 | 0.097 | 4.0  | 4.451   | 0.000 | 0.000 | 1.5  | 7.523   | 36   | 77.877 |
| Cellular<br>Storage Under<br>Road        | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %:<br>1440 mins: Summer | 107.021 | 107.021 | 1.521 | 1.521 | 37.1 | 462.534 | 0.000 | 0.000 | 5.0  | 243.715 |      | 5.082  |
| Bioretention 04                          | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %:<br>480 mins: Summer  | 107.457 | 107.461 | 1.001 | 1.061 | 2.5  | 16.900  | 0.000 | 0.000 | 1.0  | 8.452   | 289  | 44.774 |
| Porous Paving<br>04a                     | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %:<br>240 mins: Summer  | 108.869 | 108.863 | 0.205 | 0.213 | 2.4  | 5.942   | 0.000 | 0.000 | 0.9  | 9.043   | 67   | 16.618 |
| Porous Paving<br>04c                     | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 60<br>mins: Summer   | 107.372 | 107.339 | 0.108 | 0.088 | 1.6  | 0.926   | 0.000 | 0.000 | 0.9  | 1.885   | 18   | 60.885 |
| Porous Paving<br>04b                     | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 60<br>mins: Summer   | 107.991 | 107.958 | 0.107 | 0.088 | 1.6  | 0.939   | 0.000 | 0.000 | 0.9  | 1.880   | 18   | 61.351 |
| Porous Under<br>Imp Bus Drop<br>Off b    | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %:<br>120 mins: Summer  | 107.536 | 106.728 | 0.656 | 0.078 | 7.3  | 15.117  | 0.220 | 0.000 | 1.1  | 6.605   | 256  | 59.134 |
| Porous Paving<br>MUGA (Tennis<br>Courts) | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %:<br>480 mins: Winter  | 111.829 | 111.650 | 0.383 | 0.330 | 20.1 | 200.822 | 0.000 | 0.000 | 1.4  | 67.680  | 1257 | 21.845 |

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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                                   | Date:<br>18/03/2026                                                                                             |                           |                            |  |
|                                                                                                                                    | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |                                                                                     |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |                                                                                     |

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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  |  |  | Date:<br>18/03/2026                                                                                             |                           |                            |  |  |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  |  |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |                                                                                     |  |
|                                                                                                                            |  |  |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |                                                                                     |  |



01 50% AEP No Surcharge : 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Flow

| Connection                                         | Storm Event                                                        | Connection Type | From                | To                   | Upstream<br>Cover Level<br>(m) | Max. US<br>Water Level<br>(m) | Max.<br>Flow<br>Depth<br>(m) | Discharge<br>Volume (m³) | Max.<br>Velocity<br>(m/s) | Flow /<br>Capacity | Max.<br>Flow (L/s) | Status         |
|----------------------------------------------------|--------------------------------------------------------------------|-----------------|---------------------|----------------------|--------------------------------|-------------------------------|------------------------------|--------------------------|---------------------------|--------------------|--------------------|----------------|
| No Delay<br>PorousPaving01-<br>BR01                | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 120 mins:<br>Summer | No Delay        | Porous<br>Paving 01 | Bioretention<br>01   |                                | 109.200                       | 0.006                        | 1.354                    | 0.0                       |                    | 0.2                |                |
| No Delay (1)<br>PorousPaving02-<br>PorousParking02 | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 360 mins:<br>Summer | No Delay        | Porous<br>Paving 02 | Porous<br>Parking 02 |                                | 109.136                       | 0.013                        | 3.430                    | 0.0                       |                    | 0.2                |                |
| No Delay (4)<br>PorousPaving06-<br>BR06            | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 240 mins:<br>Summer | No Delay        | Porous<br>Paving 06 | Bioretention<br>06   |                                | 109.001                       | 0.009                        | 2.673                    | 0.0                       |                    | 0.2                |                |
| No Delay (3)<br>PorousPaving05-<br>BR05            | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 240 mins:<br>Summer | No Delay        | Porous<br>Paving 05 | Bioretention<br>05   |                                | 109.000                       | 0.008                        | 2.435                    | 0.0                       |                    | 0.2                |                |
| No Delay (5)<br>PorousPaving03-<br>BR03            | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 240 mins:<br>Summer | No Delay        | Porous<br>Paving 03 | Bioretention<br>03   |                                | 109.206                       | 0.011                        | 4.109                    | 0.0                       |                    | 0.3                |                |
| No Delay (7)<br>PorousPaving13-<br>BR07            | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 120 mins:<br>Summer | No Delay        | Porous<br>Paving 13 | Bioretention<br>07   |                                | 109.185                       | 0.011                        | 0.699                    | 0.0                       |                    | 0.1                |                |
| No Delay (8)<br>PorousPaving15-<br>BR08            | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 120 mins:<br>Summer | No Delay        | Porous<br>Paving 15 | Bioretention<br>08   |                                | 109.187                       | 0.012                        | 0.815                    | 0.0                       |                    | 0.2                |                |
| No Delay (9)<br>PorousPaving16-<br>BR09            | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 120 mins:<br>Summer | No Delay        | Porous<br>Paving 16 | Bioretention<br>09   |                                | 109.088                       | 0.009                        | 1.001                    | 0.0                       |                    | 0.2                |                |
| No Delay (10)<br>PorousPaving18-<br>BR10           | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 240 mins:<br>Summer | No Delay        | Porous<br>Paving 18 | Bioretention<br>10   |                                | 109.177                       | 0.009                        | 2.097                    | 0.0                       |                    | 0.2                |                |
| Pipe (2) SW04-<br>SW05                             | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 360 mins:<br>Summer | Pipe            | SW04                | SW05                 | 109.700                        | 108.042                       | 0.043                        | 39.632                   | 0.5                       | 0.07               | 2.5                | OK             |
| Pipe (3) SW05-<br>SW06                             | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 360 mins:<br>Summer | Pipe            | SW05                | SW06                 | 109.700                        | 108.021                       | 0.043                        | 39.595                   | 0.5                       | 0.07               | 2.5                | OK             |
| Pipe (4) SW06-<br>SW08                             | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 240 mins:<br>Summer | Pipe            | SW06                | SW08                 | 109.700                        | 107.927                       | 0.044                        | 33.232                   | 0.5                       | 0.08               | 2.9                | OK             |
| Pipe (5) SW07-<br>SW08                             | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 480 mins:<br>Summer | Pipe            | SW07                | SW08                 | 109.703                        | 108.213                       | 0.013                        | 6.480                    | 0.6                       | 0.01               | 0.4                | OK             |
| Pipe (6) SW10-<br>SW11                             | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 480 mins:<br>Summer | Pipe            | SW10                | SW11                 | 109.607                        | 108.402                       | 0.021                        | 2.395                    | 0.1                       | 0.01               | 0.2                | OK             |
| Pipe (7) SW11-<br>SW12                             | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 480 mins:<br>Summer | Pipe            | SW11                | SW12                 | 109.609                        | 108.241                       | 0.026                        | 24.612                   | 0.5                       | 0.04               | 1.3                | OK             |
| Pipe (8) SW12-<br>SW14                             | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer  | Pipe            | SW12                | SW14                 | 109.800                        | 108.128                       | 0.022                        | 2.129                    | 1.4                       | 0.02               | 2.7                | OK             |
| Pipe (9) SW13-<br>SW14                             | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 360 mins:<br>Summer | Pipe            | SW13                | SW14                 | 107.800                        | 106.109                       | 0.037                        | 15.778                   | 0.2                       | 0.01               | 0.9                | OK             |
| Pipe (10) SW14-<br>SW15                            | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 480 mins:<br>Summer | Pipe            | SW14                | SW15                 | 108.350                        | 106.069                       | 0.039                        | 74.450                   | 0.7                       | 0.06               | 3.8                | OK             |
| Pipe (15) SW08-<br>SW09                            | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 360 mins:<br>Summer | Pipe            | SW08                | SW09                 | 109.701                        | 107.230                       | 0.035                        | 57.193                   | 1.0                       | 0.04               | 3.9                | OK             |
| Pipe (1) SW02-<br>SW03                             | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 360 mins:<br>Summer | Pipe            | SW02                | SW03                 | 109.500                        | 108.236                       | 0.037                        | 30.310                   | 0.4                       | 0.05               | 1.9                | OK             |
| Pipe (16) SW03-<br>SW04                            | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer  | Pipe            | SW03                | SW04                 | 109.465                        | 108.143                       | 0.041                        | 1.439                    | 0.5                       | 0.07               | 2.3                | OK             |
| Pipe (17) BR09<br>Underdrain                       | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 360 mins:<br>Summer | Pipe            | Bioretention<br>09  | SW07                 | 109.522                        | 108.550                       | 0.010                        | 1.643                    | 0.4                       | 0                  | 0.2                | Surcharge<br>d |
| Pipe (18) BR10<br>Underdrain                       | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 960 mins:<br>Summer | Pipe            | Bioretention<br>10  | SW07                 | 109.433                        | 108.450                       | 0.011                        | 3.200                    | 0.3                       | 0.01               | 0.2                | Surcharge<br>d |
| Pipe (19) BR11<br>Underdrain                       | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 240 mins:<br>Summer | Pipe            | Bioretention<br>11  | SW02                 | 109.671                        | 108.741                       | 0.024                        | 9.333                    | 0.6                       | 0.02               | 1.0                | Surcharge<br>d |

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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |
|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |

|                                                       |                                                           |          |                                 |                             |         |         |       |        |     |      |     |             |
|-------------------------------------------------------|-----------------------------------------------------------|----------|---------------------------------|-----------------------------|---------|---------|-------|--------|-----|------|-----|-------------|
| No Delay (12) PorousPaving11-SW08                     | 01 50% AEP No Surcharge : 2 years: +0 %: 240 mins: Summer | No Delay | Porous Paving 11                | SW08                        |         | 109.010 | 0.009 | 3.137  | 0.0 |      | 0.3 |             |
| No Delay (13) PorousPaving12-SW08                     | 01 50% AEP No Surcharge : 2 years: +0 %: 120 mins: Summer | No Delay | Porous Paving 12                | SW08                        |         | 109.198 | 0.007 | 1.235  | 0.0 |      | 0.2 |             |
| No Delay (14) PorousPaving14-SW06                     | 01 50% AEP No Surcharge : 2 years: +0 %: 120 mins: Summer | No Delay | Porous Paving 14                | SW06                        |         | 109.196 | 0.007 | 1.218  | 0.0 |      | 0.2 |             |
| Pipe (20) BR08 Underdrain                             | 01 50% AEP No Surcharge : 2 years: +0 %: 240 mins: Summer | Pipe     | Bioretention 08                 | SW06                        | 109.621 | 108.650 | 0.007 | 1.207  | 0.7 | 0    | 0.2 | Surcharge d |
| Pipe (21) BR07 Underdrain                             | 01 50% AEP No Surcharge : 2 years: +0 %: 240 mins: Summer | Pipe     | Bioretention 07                 | SW08                        | 109.628 | 108.650 | 0.007 | 1.111  | 0.7 | 0    | 0.2 | Surcharge d |
| No Delay (15) PorousPaving17-SW04                     | 01 50% AEP No Surcharge : 2 years: +0 %: 240 mins: Summer | No Delay | Porous Paving 17                | SW04                        |         | 109.209 | 0.009 | 3.176  | 0.0 |      | 0.3 |             |
| No Delay (16) PorousPaving10-SW17                     | 01 50% AEP No Surcharge : 2 years: +0 %: 120 mins: Summer | No Delay | Porous Paving 10                | SW17                        |         | 109.239 | 0.008 | 1.359  | 0.0 |      | 0.3 |             |
| Pipe (22) BR01 Underdrain                             | 01 50% AEP No Surcharge : 2 years: +0 %: 480 mins: Summer | Pipe     | Bioretention 01                 | SW10                        | 109.631 | 108.650 | 0.012 | 2.401  | 0.3 | 0.01 | 0.2 | Surcharge d |
| No Delay (18) PorousUnderImp BusDropoffA-SW13         | 01 50% AEP No Surcharge : 2 years: +0 %: 480 mins: Summer | No Delay | Porous Under Imp Bus Drop Off a | SW13                        |         | 108.340 | 0.006 | 12.192 | 0.0 |      | 0.6 |             |
| Pipe (24) PorousParking02-SW11                        | 01 50% AEP No Surcharge : 2 years: +0 %: 240 mins: Summer | Pipe     | Porous Parking 02               | SW11                        | 109.697 | 109.087 | 0.019 | 4.735  | 0.3 | 0.01 | 0.4 | OK          |
| Pipe (25) BR03 Underdrain                             | 01 50% AEP No Surcharge : 2 years: +0 %: 480 mins: Summer | Pipe     | Bioretention 03                 | SW12                        | 109.616 | 108.650 | 0.016 | 5.517  | 0.4 | 0.01 | 0.4 | Surcharge d |
| Pipe (26) BR02 Underdrain                             | 01 50% AEP No Surcharge : 2 years: +0 %: 360 mins: Summer | Pipe     | Bioretention 02                 | SW12                        | 109.635 | 108.653 | 0.015 | 3.609  | 0.4 | 0.01 | 0.3 | Surcharge d |
| Pipe (27) BR05 Underdrain                             | 01 50% AEP No Surcharge : 2 years: +0 %: 960 mins: Summer | Pipe     | Bioretention 05                 | SW14                        | 108.697 | 107.715 | 0.027 | 4.356  | 0.1 | 0    | 0.2 | Surcharge d |
| Pipe (28) BR06 Underdrain                             | 01 50% AEP No Surcharge : 2 years: +0 %: 960 mins: Summer | Pipe     | Bioretention 06                 | SW14                        | 109.431 | 108.450 | 0.027 | 4.151  | 0.1 | 0    | 0.2 | Surcharge d |
| No Delay (20) PorousParking03-SW15                    | 01 50% AEP No Surcharge : 2 years: +0 %: 240 mins: Summer | No Delay | Porous Parking 03               | SW15                        |         | 107.503 | 0.006 | 3.123  | 0.0 |      | 0.3 |             |
| No Delay (21) PorousUnderImp AccessRd07-SW15          | 01 50% AEP No Surcharge : 2 years: +0 %: 240 mins: Summer | No Delay | Porous Under Acces Road 07      | SW15                        |         | 107.213 | 0.010 | 5.416  | 0.0 |      | 0.4 |             |
| No Delay (23) PorousPaving09-SW18                     | 01 50% AEP No Surcharge : 2 years: +0 %: 240 mins: Summer | No Delay | Porous Paving 09                | SW18                        |         | 109.250 | 0.009 | 3.510  | 0.0 |      | 0.4 |             |
| Pipe (31) SW09-TANK1                                  | 01 50% AEP No Surcharge : 2 years: +0 %: 360 mins: Summer | Pipe     | SW09                            | Cellular Storage Under MUGA | 109.064 | 106.390 | 0.040 | 57.166 | 1.4 | 0.06 | 3.9 | OK          |
| No Delay (26)                                         | 01 50% AEP No Surcharge : 2 years: +0 %: 120 mins: Summer | No Delay | Porous Paving 11a               | SW07                        |         | 108.996 | 0.006 | 0.999  | 0.0 |      | 0.2 |             |
| No Delay (29) PorousUnderImp AccessRd02-SW11          | 01 50% AEP No Surcharge : 2 years: +0 %: 240 mins: Summer | No Delay | Porous Under Imp Acces Road 02  | SW11                        |         | 108.941 | 0.010 | 10.413 | 0.0 |      | 0.8 |             |
| No Delay (30) PorousUnderImp AccessRd02a-BR02         | 01 50% AEP No Surcharge : 2 years: +0 %: 120 mins: Summer | No Delay | Porous Under Imp Acces Road 02a | Bioretention 02             |         | 108.894 | 0.007 | 2.077  | 0.0 |      | 0.3 |             |
| No Delay (31) PorousUnderImp AccessRd03-SW12viaPPCP15 | 01 50% AEP No Surcharge : 2 years: +0 %: 120 mins: Summer | No Delay | Porous Under Imp Acces Road 03  | SW12                        |         | 108.892 | 0.007 | 1.721  | 0.0 |      | 0.3 |             |
| No Delay (25) PorousUnderImp AccessRd04-SW14          | 01 50% AEP No Surcharge : 2 years: +0 %: 480 mins: Summer | No Delay | Porous Under Imp Acces Road 04  | SW14                        |         | 107.209 | 0.008 | 8.215  | 0.0 |      | 0.4 |             |
| No Delay (6) PorousPaving07-SW19                      | 01 50% AEP No Surcharge : 2 years: +0 %: 240 mins: Summer | No Delay | Porous Paving 07                | SW19 FC                     |         | 108.901 | 0.005 | 4.491  | 0.0 |      | 0.4 |             |
| No Delay (19) PorousUnderImp AccessRd06-SW15          | 01 50% AEP No Surcharge : 2 years: +0 %: 120 mins: Summer | No Delay | Porous Under Imp Acces Road 06  | SW15                        |         | 107.295 | 0.007 | 1.796  | 0.0 |      | 0.3 |             |
| No Delay (27) PorousPaving17a-SW03                    | 01 50% AEP No Surcharge : 2 years: +0 %: 240 mins: Summer | No Delay | Porous Paving 17a               | SW03                        |         | 109.202 | 0.009 | 2.450  | 0.0 |      | 0.2 |             |

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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |

|                                                                     |                                                                    |          |                                                |                                       |         |         |       |         |     |      |     |                |
|---------------------------------------------------------------------|--------------------------------------------------------------------|----------|------------------------------------------------|---------------------------------------|---------|---------|-------|---------|-----|------|-----|----------------|
| Pipe (11) SW15-TANK2                                                | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 480 mins:<br>Summer | Pipe     | SW15                                           | Cellular<br>Storage<br>Under Road     | 108.100 | 105.975 | 0.117 | 89.920  | 0.9 | 0.02 | 4.7 | OK             |
| No Delay (24)<br>PorousPavingMUGA-TANK1                             | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 360 mins:<br>Summer | No Delay | Porous<br>Paving<br>MUGA                       | Cellular<br>Storage<br>Under MUGA     |         | 108.072 | 0.017 | 18.390  | 0.0 |      | 1.1 |                |
| Pipe (12) TANK1-SW17                                                | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 480 mins:<br>Summer | Pipe     | Cellular<br>Storage<br>Under MUGA              | SW17                                  | 108.455 | 106.349 | 0.047 | 73.929  | 0.4 | 0.05 | 3.1 | OK             |
| Pipe (13) SW17-SW18                                                 | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 480 mins:<br>Summer | Pipe     | SW17                                           | SW18                                  | 109.661 | 106.333 | 0.047 | 76.211  | 0.4 | 0.05 | 3.2 | OK             |
| Pipe (14) SW18-SW19                                                 | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 960 mins:<br>Summer | Pipe     | SW18                                           | SW19 FC                               | 109.652 | 106.256 | 0.046 | 123.479 | 0.5 | 0.05 | 3.4 | OK             |
| No Delay (32)<br>PorousPaving04c-BR04                               | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 120 mins:<br>Summer | No Delay | Porous<br>Paving 04c                           | Bioretention<br>04                    |         | 107.280 | 0.010 | 0.618   | 0.0 |      | 0.2 |                |
| No Delay (17)<br>PorousUnderImp<br>BusDropoffB-SW13                 | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 360 mins:<br>Summer | No Delay | Porous<br>Under Imp<br>Bus Drop Off<br>b       | SW13                                  |         | 106.734 | 0.008 | 4.984   | 0.0 |      | 0.3 |                |
| Pipe (23)<br>BioRet04<br>Underdrain                                 | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer  | Pipe     | Bioretention<br>04                             | SW13                                  | 107.606 | 106.400 | 0.000 | 0.000   | 0.0 | 0    | 0.0 | OK             |
| Pipe (33)<br>PorousPavingMUGA(TennisCourts)-SW23                    | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 480 mins:<br>Summer | Pipe     | Porous<br>Paving<br>MUGA<br>(Tennis<br>Courts) | SW23 FC                               | 112.046 | 111.415 | 0.025 | 23.245  | 0.4 | 0.06 | 0.8 | OK             |
| Pipe (34) Sw23-24                                                   | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 480 mins:<br>Summer | Pipe     | SW23 FC                                        | SW24                                  | 111.750 | 111.113 | 0.015 | 23.171  | 1.0 | 0.06 | 0.8 | Surcharge<br>d |
| Pipe SW01-SW01A                                                     | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer  | Pipe     | SW01                                           | SW01a                                 | 109.665 | 108.665 | 0.006 | 0.000   | 0.0 | 0    | 0.0 | OK             |
| Pipe (36) SW01A-SW02                                                | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 480 mins:<br>Summer | Pipe     | SW01a                                          | SW02                                  | 109.673 | 108.437 | 0.019 | 23.141  | 0.6 | 0.03 | 0.8 | OK             |
| Pipe (35) Sw24-SW01a                                                | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 480 mins:<br>Summer | Pipe     | SW24                                           | SW01a                                 | 110.410 | 109.674 | 0.017 | 23.160  | 0.9 | 0.04 | 0.8 | OK             |
| Pipe (38) SW20-SW21                                                 | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 960 mins:<br>Summer | Pipe     | SW20                                           | SW21                                  | 107.650 | 104.020 | 0.049 | 233.476 | 0.9 | 0.23 | 4.3 | OK             |
| Pipe (39) SW21-SW22                                                 | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 960 mins:<br>Summer | Pipe     | SW21                                           | SW22                                  | 104.950 | 103.758 | 0.049 | 233.446 | 0.9 | 0.22 | 4.3 | OK             |
| Pipe (40) SW22-ExSW08                                               | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 960 mins:<br>Summer | Pipe     | SW22                                           | EX.SW08<br>Infants&Nurse<br>ry        | 104.700 | 103.509 | 0.048 | 233.422 | 0.9 | 0.22 | 4.3 | OK             |
| Pipe (30) TANK2-SW19                                                | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 480 mins:<br>Summer | Pipe     | Cellular<br>Storage<br>Under Road              | SW19 FC                               | 108.000 | 105.718 | 0.230 | 62.083  | 0.1 | 0.04 | 2.7 | OK             |
| Pipe (29) SW16-SW19                                                 | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer  | Pipe     | SW16                                           | SW19 FC                               | 109.650 | 108.600 | 0.000 | 0.000   | 0.0 | 0    | 0.0 | OK             |
| Pipe (32)<br>ExSWMH49-SW12A                                         | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer  | Pipe     | Ex SWMH49                                      | SW12A                                 | 110.474 | 109.319 | 0.034 | 1.345   | 1.0 | 0.13 | 3.0 | OK             |
| Pipe (41) SW12A-SW12viaPPCP15                                       | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer  | Pipe     | SW12A                                          | SW12                                  | 109.800 | 108.912 | 0.025 | 1.344   | 1.5 | 0.07 | 2.9 | OK             |
| No Delay (2)<br>PorousPaving04b-BR04                                | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 120 mins:<br>Summer | No Delay | Porous<br>Paving 04b                           | Bioretention<br>04                    |         | 107.900 | 0.010 | 0.624   | 0.0 |      | 0.2 |                |
| No Delay (22)<br>PorousPaving04a -<br>PorousUnderImp<br>BusDropoffA | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 240 mins:<br>Summer | No Delay | Porous<br>Paving 04a                           | Porous Under<br>Imp Bus Drop<br>Off a |         | 108.698 | 0.010 | 2.383   | 0.0 |      | 0.3 |                |
| Pipe (37) SW19 FC Outfall                                           | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 960 mins:<br>Summer | Pipe     | SW19 FC                                        | Simple<br>Junction                    | 109.612 | 105.729 | 0.061 | 233.547 | 0.7 | 0.3  | 4.3 | Surcharge<br>d |
| Pipe (37) (1)<br>SW19 FC Outfall                                    | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 960 mins:<br>Summer | Pipe     | Simple<br>Junction                             | SW20                                  | 109.400 | 105.516 | 0.057 | 233.510 | 0.7 | 0.3  | 4.3 | OK             |
| Pipe (41) SW19<br>Overflow                                          | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer  | Pipe     | SW19 FC                                        | Simple<br>Junction                    | 109.612 | 105.587 | 0.018 | 0.000   | 0.0 | 0    | 0.0 | OK             |
| Pipe (42) BR01<br>Overflow                                          | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer  | Pipe     | Bioretention<br>01                             | SW10                                  | 109.631 | 108.450 | 0.000 | 0.000   | 0.0 | 0    | 0.0 | OK             |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |

|                                    |                                                                    |          |                   |                 |         |         |       |       |     |   |     |    |
|------------------------------------|--------------------------------------------------------------------|----------|-------------------|-----------------|---------|---------|-------|-------|-----|---|-----|----|
| Pipe (43) BR02 Overflow            | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer  | Pipe     | Bioretention 02   | SW12            | 109.635 | 108.453 | 0.011 | 0.000 | 0.0 | 0 | 0.0 | OK |
| Pipe (44) BR03 Overflow            | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer  | Pipe     | Bioretention 03   | SW12            | 109.616 | 108.450 | 0.011 | 0.000 | 0.0 | 0 | 0.0 | OK |
| Pipe (45) BR04 Overflow            | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer  | Pipe     | Bioretention 04   | SW13            | 107.606 | 106.400 | 0.008 | 0.000 | 0.0 | 0 | 0.0 | OK |
| Pipe (46) BR05 Overflow            | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer  | Pipe     | Bioretention 05   | SW14            | 108.697 | 107.515 | 0.022 | 0.000 | 0.0 | 0 | 0.0 | OK |
| Pipe (47) BR06 Overflow            | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer  | Pipe     | Bioretention 06   | SW14            | 109.431 | 108.250 | 0.022 | 0.000 | 0.0 | 0 | 0.0 | OK |
| Pipe (48) BR07 Overflow            | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer  | Pipe     | Bioretention 07   | SW08            | 109.628 | 108.450 | 0.012 | 0.000 | 0.0 | 0 | 0.0 | OK |
| Pipe (49) BR08 Overflow            | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer  | Pipe     | Bioretention 08   | SW06            | 109.621 | 108.450 | 0.019 | 0.000 | 0.0 | 0 | 0.0 | OK |
| Pipe (50) BR09 Overflow            | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer  | Pipe     | Bioretention 09   | SW07            | 109.522 | 108.350 | 0.004 | 0.000 | 0.0 | 0 | 0.0 | OK |
| Pipe (51) BR10 Overflow            | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer  | Pipe     | Bioretention 10   | SW07            | 109.433 | 108.250 | 0.004 | 0.000 | 0.0 | 0 | 0.0 | OK |
| Pipe (52) BR11 Overflow            | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 15 mins:<br>Summer  | Pipe     | Bioretention 11   | SW02            | 109.671 | 108.500 | 0.013 | 0.000 | 0.0 | 0 | 0.0 | OK |
| No Delay (11) PorousParking01-BR11 | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 120 mins:<br>Summer | No Delay | Porous Parking 01 | Bioretention 11 |         | 109.152 | 0.011 | 5.618 | 0.0 |   | 1.1 |    |
| No Delay (28) PorousPaving19-BR11  | 01 50% AEP No<br>Surcharge : 2 years:<br>+0 %: 240 mins:<br>Summer | No Delay | Porous Paving 19  | Bioretention 11 |         | 109.297 | 0.004 | 1.873 | 0.0 |   | 0.2 |    |

|                                                                                                                            |  |  |  |                                                                                                                 |                           |                            |                                                                                     |  |
|----------------------------------------------------------------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|-------------------------------------------------------------------------------------|--|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  |  |  | Date:<br>18/03/2026                                                                                             |                           |                            |  |  |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  |  |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |                                                                                     |  |
|                                                                                                                            |  |  |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |                                                                                     |  |



02 3.33% AEP Surcharge Permitted: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Flow

| Connection                                         | Storm Event                                                                 | Connection Type | From                | To                   | Upstream<br>Cover Level<br>(m) | Max. US<br>Water Level<br>(m) | Max.<br>Flow<br>Depth<br>(m) | Discharge<br>Volume (m³) | Max.<br>Velocity<br>(m/s) | Flow /<br>Capacity | Max.<br>Flow (L/s) | Status         |
|----------------------------------------------------|-----------------------------------------------------------------------------|-----------------|---------------------|----------------------|--------------------------------|-------------------------------|------------------------------|--------------------------|---------------------------|--------------------|--------------------|----------------|
| No Delay<br>PorousPaving01-<br>BR01                | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120<br>mins: Summer | No Delay        | Porous<br>Paving 01 | Bioretention<br>01   |                                | 109.247                       | 0.008                        | 2.856                    | 0.0                       |                    | 0.5                |                |
| No Delay (1)<br>PorousPaving02-<br>PorousParking02 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 240<br>mins: Summer | No Delay        | Porous<br>Paving 02 | Porous<br>Parking 02 |                                | 109.190                       | 0.015                        | 5.414                    | 0.0                       |                    | 0.4                |                |
| No Delay (4)<br>PorousPaving06-<br>BR06            | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120<br>mins: Summer | No Delay        | Porous<br>Paving 06 | Bioretention<br>06   |                                | 109.043                       | 0.011                        | 3.513                    | 0.0                       |                    | 0.5                |                |
| No Delay (3)<br>PorousPaving05-<br>BR05            | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120<br>mins: Summer | No Delay        | Porous<br>Paving 05 | Bioretention<br>05   |                                | 109.042                       | 0.011                        | 3.218                    | 0.0                       |                    | 0.5                |                |
| No Delay (5)<br>PorousPaving03-<br>BR03            | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 240<br>mins: Summer | No Delay        | Porous<br>Paving 03 | Bioretention<br>03   |                                | 109.256                       | 0.015                        | 8.348                    | 0.0                       |                    | 0.7                |                |
| No Delay (7)<br>PorousPaving13-<br>BR07            | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 60<br>mins: Summer  | No Delay        | Porous<br>Paving 13 | Bioretention<br>07   |                                | 109.214                       | 0.014                        | 0.996                    | 0.0                       |                    | 0.3                |                |
| No Delay (8)<br>PorousPaving15-<br>BR08            | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 60<br>mins: Summer  | No Delay        | Porous<br>Paving 15 | Bioretention<br>08   |                                | 109.217                       | 0.015                        | 1.130                    | 0.0                       |                    | 0.4                |                |
| No Delay (9)<br>PorousPaving16-<br>BR09            | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 60<br>mins: Summer  | No Delay        | Porous<br>Paving 16 | Bioretention<br>09   |                                | 109.120                       | 0.011                        | 1.389                    | 0.0                       |                    | 0.4                |                |
| No Delay (10)<br>PorousPaving18-<br>BR10           | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120<br>mins: Summer | No Delay        | Porous<br>Paving 18 | Bioretention<br>10   |                                | 109.217                       | 0.011                        | 2.920                    | 0.0                       |                    | 0.5                |                |
| Pipe (2) SW04-<br>SW05                             | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | Pipe            | SW04                | SW05                 | 109.700                        | 108.079                       | 0.083                        | 112.575                  | 0.6                       | 0.2                | 7.0                | OK             |
| Pipe (3) SW05-<br>SW06                             | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | Pipe            | SW05                | SW06                 | 109.700                        | 108.063                       | 0.087                        | 124.347                  | 0.7                       | 0.28               | 9.6                | OK             |
| Pipe (4) SW06-<br>SW08                             | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | Pipe            | SW06                | SW08                 | 109.700                        | 107.971                       | 0.087                        | 135.021                  | 0.8                       | 0.31               | 10.7               | OK             |
| Pipe (5) SW07-<br>SW08                             | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 240<br>mins: Summer | Pipe            | SW07                | SW08                 | 109.703                        | 108.222                       | 0.022                        | 11.695                   | 0.8                       | 0.05               | 1.3                | OK             |
| Pipe (6) SW10-<br>SW11                             | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | Pipe            | SW10                | SW11                 | 109.607                        | 108.423                       | 0.049                        | 11.588                   | 0.3                       | 0.05               | 1.7                | OK             |
| Pipe (7) SW11-<br>SW12                             | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | Pipe            | SW11                | SW12                 | 109.609                        | 108.274                       | 0.050                        | 62.464                   | 0.8                       | 0.16               | 5.6                | OK             |
| Pipe (8) SW12-<br>SW14                             | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | Pipe            | SW12                | SW14                 | 109.800                        | 108.142                       | 0.141                        | 101.720                  | 1.8                       | 0.06               | 7.7                | OK             |
| Pipe (9) SW13-<br>SW14                             | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Winter | Pipe            | SW13                | SW14                 | 107.800                        | 106.363                       | 0.300                        | 33.413                   | 0.2                       | 0.02               | 1.5                | OK             |
| Pipe (10) SW14-<br>SW15                            | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | Pipe            | SW14                | SW15                 | 108.350                        | 106.364                       | 0.300                        | 164.823                  | 1.0                       | 0.17               | 11.1               | Surcharge<br>d |
| Pipe (15) SW08-<br>SW09                            | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | Pipe            | SW08                | SW09                 | 109.701                        | 107.256                       | 0.067                        | 172.738                  | 1.3                       | 0.14               | 13.4               | OK             |
| Pipe (1) SW02-<br>SW03                             | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | Pipe            | SW02                | SW03                 | 109.500                        | 108.251                       | 0.055                        | 82.702                   | 0.5                       | 0.11               | 3.9                | OK             |
| Pipe (16) SW03-<br>SW04                            | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | Pipe            | SW03                | SW04                 | 109.465                        | 108.163                       | 0.070                        | 97.847                   | 0.5                       | 0.16               | 5.4                | OK             |
| Pipe (17) BR09<br>Underdrain                       | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 240<br>mins: Summer | Pipe            | Bioretention<br>09  | SW07                 | 109.522                        | 108.550                       | 0.017                        | 3.437                    | 0.5                       | 0.01               | 0.6                | Surcharge<br>d |
| Pipe (18) BR10<br>Underdrain                       | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | Pipe            | Bioretention<br>10  | SW07                 | 109.433                        | 108.450                       | 0.020                        | 6.591                    | 0.4                       | 0.03               | 0.5                | Surcharge<br>d |
| Pipe (19) BR11<br>Underdrain                       | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 240<br>mins: Summer | Pipe            | Bioretention<br>11  | SW02                 | 109.671                        | 109.516                       | 0.032                        | 20.003                   | 0.6                       | 0.02               | 1.4                | Surcharge<br>d |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |

|                                                             |                                                                             |          |                                          |                                   |         |         |       |         |     |      |      |                |
|-------------------------------------------------------------|-----------------------------------------------------------------------------|----------|------------------------------------------|-----------------------------------|---------|---------|-------|---------|-----|------|------|----------------|
| No Delay (12)<br>PorousPaving11-SW08                        | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120<br>mins: Summer | No Delay | Porous<br>Paving 11                      | SW08                              |         | 109.054 | 0.012 | 4.000   | 0.0 |      | 0.6  |                |
| No Delay (13)<br>PorousPaving12-SW08                        | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120<br>mins: Summer | No Delay | Porous<br>Paving 12                      | SW08                              |         | 109.246 | 0.010 | 2.915   | 0.0 |      | 0.5  |                |
| No Delay (14)<br>PorousPaving14-SW06                        | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120<br>mins: Summer | No Delay | Porous<br>Paving 14                      | SW06                              |         | 109.239 | 0.009 | 2.828   | 0.0 |      | 0.5  |                |
| Pipe (20) BR08<br>Underdrain                                | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120<br>mins: Summer | Pipe     | Bioretention<br>08                       | SW06                              | 109.621 | 108.650 | 0.010 | 2.085   | 1.0 | 0.01 | 0.5  | Surcharge<br>d |
| Pipe (21) BR07<br>Underdrain                                | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120<br>mins: Summer | Pipe     | Bioretention<br>07                       | SW08                              | 109.628 | 108.650 | 0.010 | 1.975   | 1.0 | 0.01 | 0.5  | Surcharge<br>d |
| No Delay (15)<br>PorousPaving17-SW04                        | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120<br>mins: Summer | No Delay | Porous<br>Paving 17                      | SW04                              |         | 109.253 | 0.012 | 4.164   | 0.0 |      | 0.6  |                |
| No Delay (16)<br>PorousPaving10-SW17                        | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120<br>mins: Summer | No Delay | Porous<br>Paving 10                      | SW17                              |         | 109.273 | 0.011 | 2.902   | 0.0 |      | 0.7  |                |
| Pipe (22) BR01<br>Underdrain                                | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 360<br>mins: Summer | Pipe     | Bioretention<br>01                       | SW10                              | 109.631 | 108.650 | 0.024 | 5.544   | 0.4 | 0.03 | 0.5  | Surcharge<br>d |
| No Delay (18)<br>PorousUnderImp<br>BusDropoffA-SW13         | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 240<br>mins: Summer | No Delay | Porous<br>Under Imp<br>Bus Drop Off<br>a | SW13                              |         | 108.427 | 0.007 | 17.280  | 0.0 |      | 1.4  |                |
| Pipe (24)<br>PorousParking02-SW11                           | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120<br>mins: Summer | Pipe     | Porous<br>Parking 02                     | SW11                              | 109.697 | 109.123 | 0.030 | 6.067   | 0.4 | 0.02 | 1.0  | OK             |
| Pipe (25) BR03<br>Underdrain                                | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Winter | Pipe     | Bioretention<br>03                       | SW12                              | 109.616 | 108.736 | 0.026 | 14.836  | 0.5 | 0.02 | 0.9  | Surcharge<br>d |
| Pipe (26) BR02<br>Underdrain                                | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | Pipe     | Bioretention<br>02                       | SW12                              | 109.635 | 108.875 | 0.023 | 9.229   | 0.5 | 0.01 | 0.5  | Surcharge<br>d |
| Pipe (27) BR05<br>Underdrain                                | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | Pipe     | Bioretention<br>05                       | SW14                              | 108.697 | 107.715 | 0.150 | 8.482   | 0.1 | 0.01 | 0.6  | Surcharge<br>d |
| Pipe (28) BR06<br>Underdrain                                | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | Pipe     | Bioretention<br>06                       | SW14                              | 109.431 | 108.450 | 0.150 | 8.141   | 0.1 | 0.01 | 0.5  | Surcharge<br>d |
| No Delay (20)<br>PorousParking03-SW15                       | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120<br>mins: Summer | No Delay | Porous<br>Parking 03                     | SW15                              |         | 107.546 | 0.008 | 3.941   | 0.0 |      | 0.6  |                |
| No Delay (21)<br>PorousUnderImp<br>AccessRd07-SW15          | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120<br>mins: Summer | No Delay | Porous<br>Under Acces<br>Road 07         | SW15                              |         | 107.262 | 0.013 | 6.701   | 0.0 |      | 0.9  |                |
| No Delay (23)<br>PorousPaving09-SW18                        | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120<br>mins: Summer | No Delay | Porous<br>Paving 09                      | SW18                              |         | 109.290 | 0.012 | 5.082   | 0.0 |      | 0.9  |                |
| Pipe (31) SW09-TANK1                                        | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480<br>mins: Summer | Pipe     | SW09                                     | Cellular<br>Storage<br>Under MUGA | 109.064 | 106.429 | 0.078 | 172.700 | 1.2 | 0.2  | 13.5 | OK             |
| No Delay (26)                                               | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 60<br>mins: Summer  | No Delay | Porous<br>Paving 11a                     | SW07                              |         | 109.030 | 0.008 | 1.276   | 0.0 |      | 0.4  |                |
| No Delay (29)<br>PorousUnderImp<br>AccessRd02-SW11          | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120<br>mins: Summer | No Delay | Porous<br>Under Imp<br>Acces Road<br>02  | SW11                              |         | 109.011 | 0.013 | 12.130  | 0.0 |      | 1.7  |                |
| No Delay (30)<br>PorousUnderImp<br>AccessRd02a-BR02         | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120<br>mins: Summer | No Delay | Porous<br>Under Imp<br>Acces Road<br>02a | Bioretention<br>02                |         | 108.935 | 0.010 | 4.534   | 0.0 |      | 0.8  |                |
| No Delay (31)<br>PorousUnderImp<br>AccessRd03-SW12viaPPCP15 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120<br>mins: Summer | No Delay | Porous<br>Under Imp<br>Acces Road<br>03  | SW12                              |         | 108.931 | 0.009 | 3.721   | 0.0 |      | 0.7  |                |
| No Delay (25)<br>PorousUnderImp<br>AccessRd04-SW14          | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 240<br>mins: Summer | No Delay | Porous<br>Under Imp<br>Acces Road<br>04  | SW14                              |         | 107.261 | 0.011 | 11.376  | 0.0 |      | 0.9  |                |
| No Delay (6)<br>PorousPaving07-SW19                         | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 240<br>mins: Summer | No Delay | Porous<br>Paving 07                      | SW19 FC                           |         | 108.944 | 0.007 | 9.166   | 0.0 |      | 1.0  |                |
| No Delay (19)<br>PorousUnderImp<br>AccessRd06-SW15          | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120<br>mins: Summer | No Delay | Porous<br>Under Imp<br>Acces Road<br>06  | SW15                              |         | 107.339 | 0.009 | 3.850   | 0.0 |      | 0.7  |                |
| No Delay (27)<br>PorousPaving17a-SW03                       | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120<br>mins: Summer | No Delay | Porous<br>Paving 17a                     | SW03                              |         | 109.243 | 0.013 | 3.453   | 0.0 |      | 0.6  |                |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |

|                                                            |                                                                           |          |                                    |                                 |         |         |       |         |     |      |      |             |
|------------------------------------------------------------|---------------------------------------------------------------------------|----------|------------------------------------|---------------------------------|---------|---------|-------|---------|-----|------|------|-------------|
| Pipe (11) SW15-TANK2                                       | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480 mins: Summer  | Pipe     | SW15                               | Cellular Storage Under Road     | 108.100 | 106.364 | 0.300 | 193.040 | 1.0 | 0.05 | 12.7 | Surcharge d |
| No Delay (24) PorousPavingMUGA-TANK1                       | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 360 mins: Winter  | No Delay | Porous Paving MUGA                 | Cellular Storage Under MUGA     |         | 108.125 | 0.018 | 36.195  | 0.0 |      | 1.6  |             |
| Pipe (12) TANK1-SW17                                       | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480 mins: Winter  | Pipe     | Cellular Storage Under MUGA        | SW17                            | 108.455 | 106.387 | 0.084 | 187.640 | 0.6 | 0.15 | 9.4  | OK          |
| Pipe (13) SW17-SW18                                        | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480 mins: Winter  | Pipe     | SW17                               | SW18                            | 109.661 | 106.368 | 0.117 | 193.706 | 0.6 | 0.15 | 9.8  | OK          |
| Pipe (14) SW18-SW19                                        | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480 mins: Winter  | Pipe     | SW18                               | SW19 FC                         | 109.652 | 106.363 | 0.196 | 217.490 | 0.7 | 0.17 | 11.1 | OK          |
| No Delay (32) PorousPaving04c-BR04                         | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 60 mins: Summer   | No Delay | Porous Paving 04c                  | Bioretention 04                 |         | 107.307 | 0.013 | 0.961   | 0.0 |      | 0.4  |             |
| No Delay (17) PorousUnderImp BusDropoffB-SW13              | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120 mins: Summer  | No Delay | Porous Under Imp Bus Drop Off b    | SW13                            |         | 106.791 | 0.010 | 3.241   | 0.0 |      | 0.6  |             |
| Pipe (23) BioRet04 Underdrain                              | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 1440 mins: Winter | Pipe     | Bioretention 04                    | SW13                            | 107.606 | 107.403 | 0.083 | 0.805   | 0.0 | 0    | 0.1  | Surcharge d |
| Pipe (33) PorousPavingMUGA(TennisCourts)-SW23              | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120 mins: Summer  | Pipe     | Porous Paving MUGA (Tennis Courts) | SW23 FC                         | 112.046 | 111.464 | 0.104 | 13.275  | 0.5 | 0.11 | 1.6  | OK          |
| Pipe (34) Sw23-24                                          | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 360 mins: Summer  | Pipe     | SW23 FC                            | SW24                            | 111.750 | 111.439 | 0.019 | 38.654  | 1.2 | 0.09 | 1.2  | Surcharge d |
| Pipe SW01-SW01A                                            | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480 mins: Summer  | Pipe     | SW01                               | SW01a                           | 109.665 | 108.680 | 0.023 | 1.677   | 0.2 | 0.02 | 0.4  | OK          |
| Pipe (36) SW01A-SW02                                       | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480 mins: Summer  | Pipe     | SW01a                              | SW02                            | 109.673 | 108.450 | 0.031 | 53.973  | 0.8 | 0.09 | 2.2  | OK          |
| Pipe (35) Sw24-SW01a                                       | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 360 mins: Summer  | Pipe     | SW24                               | SW01a                           | 110.410 | 109.677 | 0.024 | 38.637  | 1.1 | 0.07 | 1.2  | OK          |
| Pipe (38) SW20-SW21                                        | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 240 mins: Summer  | Pipe     | SW20                               | SW21                            | 107.650 | 104.022 | 0.052 | 97.631  | 0.9 | 0.25 | 4.8  | OK          |
| Pipe (39) SW21-SW22                                        | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 240 mins: Summer  | Pipe     | SW21                               | SW22                            | 104.950 | 103.761 | 0.051 | 97.514  | 0.9 | 0.24 | 4.8  | OK          |
| Pipe (40) SW22-ExSW08                                      | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 240 mins: Summer  | Pipe     | SW22                               | EX.SW08 Infants&Nurse ry        | 104.700 | 103.512 | 0.051 | 97.420  | 0.9 | 0.24 | 4.8  | OK          |
| Pipe (30) TANK2-SW19                                       | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 1440 mins: Summer | Pipe     | Cellular Storage Under Road        | SW19 FC                         | 108.000 | 106.406 | 0.300 | 210.720 | 0.1 | 0.07 | 4.3  | Surcharge d |
| Pipe (29) SW16-SW19                                        | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 480 mins: Summer  | Pipe     | SW16                               | SW19 FC                         | 109.650 | 108.625 | 0.025 | 5.234   | 0.6 | 0.06 | 1.2  | OK          |
| Pipe (32) ExSWMH49-SW12A                                   | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15 mins: Summer   | Pipe     | Ex SWMH49                          | SW12A                           | 110.474 | 109.338 | 0.050 | 2.909   | 1.2 | 0.28 | 6.5  | OK          |
| Pipe (41) SW12A-SW12viaPPCP15                              | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15 mins: Summer   | Pipe     | SW12A                              | SW12                            | 109.800 | 108.926 | 0.038 | 2.909   | 1.8 | 0.16 | 6.3  | OK          |
| No Delay (2) PorousPaving04b-BR04                          | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 60 mins: Summer   | No Delay | Porous Paving 04b                  | Bioretention 04                 |         | 107.926 | 0.013 | 0.962   | 0.0 |      | 0.4  |             |
| No Delay (22) PorousPaving04a - PorousUnderImp BusDropoffA | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120 mins: Summer  | No Delay | Porous Paving 04a                  | Porous Under Imp Bus Drop Off a |         | 108.737 | 0.013 | 3.568   | 0.0 |      | 0.7  |             |
| Pipe (37) SW19 FC Outfall                                  | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 240 mins: Summer  | Pipe     | SW19 FC                            | Simple Junction                 | 109.612 | 106.140 | 0.064 | 97.906  | 0.7 | 0.33 | 4.8  | Surcharge d |
| Pipe (37) (1) SW19 FC Outfall                              | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 240 mins: Summer  | Pipe     | Simple Junction                    | SW20                            | 109.400 | 105.519 | 0.060 | 97.748  | 0.7 | 0.33 | 4.8  | OK          |
| Pipe (41) SW19 Overflow                                    | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15 mins: Summer   | Pipe     | SW19 FC                            | Simple Junction                 | 109.612 | 105.653 | 0.026 | 0.000   | 0.0 | 0    | 0.0  | Surcharge d |
| Pipe (42) BR01 Overflow                                    | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15 mins: Summer   | Pipe     | Bioretention 01                    | SW10                            | 109.631 | 109.450 | 0.000 | 0.000   | 0.0 | 0    | 0.0  | OK          |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |

|                                           |                                                                             |          |                      |                    |         |         |       |        |     |   |     |    |
|-------------------------------------------|-----------------------------------------------------------------------------|----------|----------------------|--------------------|---------|---------|-------|--------|-----|---|-----|----|
| Pipe (43) BR02<br>Overflow                | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer  | Pipe     | Bioretention<br>02   | SW12               | 109.635 | 109.454 | 0.017 | 0.000  | 0.0 | 0 | 0.0 | OK |
| Pipe (44) BR03<br>Overflow                | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer  | Pipe     | Bioretention<br>03   | SW12               | 109.616 | 109.450 | 0.017 | 0.000  | 0.0 | 0 | 0.0 | OK |
| Pipe (45) BR04<br>Overflow                | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer  | Pipe     | Bioretention<br>04   | SW13               | 107.606 | 107.400 | 0.013 | 0.000  | 0.0 | 0 | 0.0 | OK |
| Pipe (46) BR05<br>Overflow                | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer  | Pipe     | Bioretention<br>05   | SW14               | 108.697 | 108.516 | 0.033 | 0.000  | 0.0 | 0 | 0.0 | OK |
| Pipe (47) BR06<br>Overflow                | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer  | Pipe     | Bioretention<br>06   | SW14               | 109.431 | 109.250 | 0.033 | 0.000  | 0.0 | 0 | 0.0 | OK |
| Pipe (48) BR07<br>Overflow                | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer  | Pipe     | Bioretention<br>07   | SW08               | 109.628 | 109.458 | 0.018 | 0.000  | 0.0 | 0 | 0.0 | OK |
| Pipe (49) BR08<br>Overflow                | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer  | Pipe     | Bioretention<br>08   | SW06               | 109.621 | 109.456 | 0.028 | 0.000  | 0.0 | 0 | 0.0 | OK |
| Pipe (50) BR09<br>Overflow                | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer  | Pipe     | Bioretention<br>09   | SW07               | 109.522 | 109.351 | 0.006 | 0.000  | 0.0 | 0 | 0.0 | OK |
| Pipe (51) BR10<br>Overflow                | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer  | Pipe     | Bioretention<br>10   | SW07               | 109.433 | 109.250 | 0.006 | 0.000  | 0.0 | 0 | 0.0 | OK |
| Pipe (52) BR11<br>Overflow                | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 15<br>mins: Summer  | Pipe     | Bioretention<br>11   | SW02               | 109.671 | 109.500 | 0.019 | 0.000  | 0.0 | 0 | 0.0 | OK |
| No Delay (11)<br>PorousParking01-<br>BR11 | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120<br>mins: Summer | No Delay | Porous<br>Parking 01 | Bioretention<br>11 |         | 109.263 | 0.013 | 11.972 | 0.0 |   | 1.9 |    |
| No Delay (28)<br>PorousPaving19-<br>BR11  | 02 3.33% AEP<br>Surcharge Permitted:<br>30 years: +0 %: 120<br>mins: Summer | No Delay | Porous<br>Paving 19  | Bioretention<br>11 |         | 109.339 | 0.006 | 2.547  | 0.0 |   | 0.4 |    |

|                                                                                                                            |  |  |  |                                                                                                                 |                           |                            |                                                                                     |  |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  |  |  | Date:<br>18/03/2026                                                                                             |                           |                            |  |  |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  |  |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |                                                                                     |  |
|                                                                                                                            |  |  |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |                                                                                     |  |



03 3.33% AEP +CCA Surcharge Permitted: 30 years: Increase Rainfall (%): +35: Critical Storm Per Item: Rank By: Max. Flow

| Connection                                         | Storm Event                                                                       | Connection Type | From                | To                   | Upstream<br>Cover Level<br>(m) | Max. US<br>Water Level<br>(m) | Max.<br>Flow<br>Depth<br>(m) | Discharge<br>Volume (m³) | Max.<br>Velocity<br>(m/s) | Flow /<br>Capacity | Max.<br>Flow (L/s) | Status         |
|----------------------------------------------------|-----------------------------------------------------------------------------------|-----------------|---------------------|----------------------|--------------------------------|-------------------------------|------------------------------|--------------------------|---------------------------|--------------------|--------------------|----------------|
| No Delay<br>PorousPaving01-<br>BR01                | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 60<br>mins: Summer  | No Delay        | Porous<br>Paving 01 | Bioretention<br>01   |                                | 109.267                       | 0.009                        | 2.255                    | 0.0                       |                    | 0.7                |                |
| No Delay (1)<br>PorousPaving02-<br>PorousParking02 | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120<br>mins: Summer | No Delay        | Porous<br>Paving 02 | Porous<br>Parking 02 |                                | 109.223                       | 0.017                        | 3.839                    | 0.0                       |                    | 0.5                |                |
| No Delay (4)<br>PorousPaving06-<br>BR06            | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120<br>mins: Summer | No Delay        | Porous<br>Paving 06 | Bioretention<br>06   |                                | 109.073                       | 0.013                        | 4.530                    | 0.0                       |                    | 0.8                |                |
| No Delay (3)<br>PorousPaving05-<br>BR05            | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120<br>mins: Summer | No Delay        | Porous<br>Paving 05 | Bioretention<br>05   |                                | 109.072                       | 0.012                        | 4.095                    | 0.0                       |                    | 0.7                |                |
| No Delay (5)<br>PorousPaving03-<br>BR03            | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120<br>mins: Summer | No Delay        | Porous<br>Paving 03 | Bioretention<br>03   |                                | 109.283                       | 0.016                        | 6.803                    | 0.0                       |                    | 1.0                |                |
| No Delay (7)<br>PorousPaving13-<br>BR07            | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 60<br>mins: Summer  | No Delay        | Porous<br>Paving 13 | Bioretention<br>07   |                                | 109.235                       | 0.016                        | 1.331                    | 0.0                       |                    | 0.5                |                |
| No Delay (8)<br>PorousPaving15-<br>BR08            | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 60<br>mins: Summer  | No Delay        | Porous<br>Paving 15 | Bioretention<br>08   |                                | 109.239                       | 0.017                        | 1.516                    | 0.0                       |                    | 0.5                |                |
| No Delay (9)<br>PorousPaving16-<br>BR09            | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 60<br>mins: Summer  | No Delay        | Porous<br>Paving 16 | Bioretention<br>09   |                                | 109.141                       | 0.013                        | 1.887                    | 0.0                       |                    | 0.6                |                |
| No Delay (10)<br>PorousPaving18-<br>BR10           | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120<br>mins: Summer | No Delay        | Porous<br>Paving 18 | Bioretention<br>10   |                                | 109.245                       | 0.013                        | 3.832                    | 0.0                       |                    | 0.7                |                |
| Pipe (2) SW04-<br>SW05                             | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 360<br>mins: Summer | Pipe            | SW04                | SW05                 | 109.700                        | 108.120                       | 0.124                        | 133.394                  | 0.6                       | 0.37               | 12.6               | OK             |
| Pipe (3) SW05-<br>SW06                             | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 360<br>mins: Summer | Pipe            | SW05                | SW06                 | 109.700                        | 108.105                       | 0.130                        | 156.207                  | 0.8                       | 0.54               | 18.7               | OK             |
| Pipe (4) SW06-<br>SW08                             | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 360<br>mins: Summer | Pipe            | SW06                | SW08                 | 109.700                        | 108.016                       | 0.127                        | 171.041                  | 0.9                       | 0.61               | 20.9               | OK             |
| Pipe (5) SW07-<br>SW08                             | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240<br>mins: Summer | Pipe            | SW07                | SW08                 | 109.703                        | 108.227                       | 0.027                        | 17.191                   | 0.9                       | 0.07               | 1.9                | OK             |
| Pipe (6) SW10-<br>SW11                             | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 360<br>mins: Summer | Pipe            | SW10                | SW11                 | 109.607                        | 108.438                       | 0.069                        | 18.723                   | 0.3                       | 0.1                | 3.5                | OK             |
| Pipe (7) SW11-<br>SW12                             | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240<br>mins: Summer | Pipe            | SW11                | SW12                 | 109.609                        | 108.300                       | 0.070                        | 68.874                   | 1.1                       | 0.32               | 11.0               | OK             |
| Pipe (8) SW12-<br>SW14                             | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 360<br>mins: Summer | Pipe            | SW12                | SW14                 | 109.800                        | 108.156                       | 0.225                        | 136.239                  | 2.2                       | 0.1                | 14.2               | OK             |
| Pipe (9) SW13-<br>SW14                             | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 360<br>mins: Winter | Pipe            | SW13                | SW14                 | 107.800                        | 106.543                       | 0.300                        | 41.375                   | 0.2                       | 0.04               | 2.3                | Surcharge<br>d |
| Pipe (10) SW14-<br>SW15                            | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240<br>mins: Summer | Pipe            | SW14                | SW15                 | 108.350                        | 106.472                       | 0.300                        | 176.513                  | 1.2                       | 0.29               | 18.7               | Surcharge<br>d |
| Pipe (15) SW08-<br>SW09                            | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 360<br>mins: Summer | Pipe            | SW08                | SW09                 | 109.701                        | 107.278                       | 0.109                        | 220.306                  | 1.7                       | 0.26               | 25.9               | OK             |
| Pipe (1) SW02-<br>SW03                             | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 360<br>mins: Summer | Pipe            | SW02                | SW03                 | 109.500                        | 108.263                       | 0.071                        | 90.235                   | 0.6                       | 0.17               | 6.0                | OK             |
| Pipe (16) SW03-<br>SW04                            | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 360<br>mins: Summer | Pipe            | SW03                | SW04                 | 109.465                        | 108.182                       | 0.100                        | 111.922                  | 0.6                       | 0.27               | 9.2                | OK             |
| Pipe (17) BR09<br>Underdrain                       | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240<br>mins: Summer | Pipe            | Bioretention<br>09  | SW07                 | 109.522                        | 108.570                       | 0.021                        | 4.936                    | 0.5                       | 0.02               | 0.8                | Surcharge<br>d |
| Pipe (18) BR10<br>Underdrain                       | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 360<br>mins: Summer | Pipe            | Bioretention<br>10  | SW07                 | 109.433                        | 108.465                       | 0.024                        | 8.768                    | 0.4                       | 0.04               | 0.7                | Surcharge<br>d |
| Pipe (19) BR11<br>Underdrain                       | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240<br>mins: Summer | Pipe            | Bioretention<br>11  | SW02                 | 109.671                        | 109.545                       | 0.039                        | 25.307                   | 0.6                       | 0.02               | 1.5                | Flood Risk     |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |

|                                                             |                                                                                   |          |                                          |                                   |         |         |       |         |     |      |      |                |
|-------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|------------------------------------------|-----------------------------------|---------|---------|-------|---------|-----|------|------|----------------|
| No Delay (12)<br>PorousPaving11-SW08                        | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120<br>mins: Summer | No Delay | Porous<br>Paving 11                      | SW08                              |         | 109.089 | 0.014 | 5.375   | 0.0 |      | 0.9  |                |
| No Delay (13)<br>PorousPaving12-SW08                        | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 60<br>mins: Summer  | No Delay | Porous<br>Paving 12                      | SW08                              |         | 109.261 | 0.011 | 2.150   | 0.0 |      | 0.7  |                |
| No Delay (14)<br>PorousPaving14-SW06                        | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 60<br>mins: Summer  | No Delay | Porous<br>Paving 14                      | SW06                              |         | 109.255 | 0.010 | 2.219   | 0.0 |      | 0.7  |                |
| Pipe (20) BR08<br>Underdrain                                | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 60<br>mins: Summer  | Pipe     | Bioretention<br>08                       | SW06                              | 109.621 | 109.458 | 0.012 | 1.835   | 1.1 | 0.01 | 0.8  | Surcharge<br>d |
| Pipe (21) BR07<br>Underdrain                                | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120<br>mins: Summer | Pipe     | Bioretention<br>07                       | SW08                              | 109.628 | 109.453 | 0.012 | 2.814   | 1.1 | 0.01 | 0.7  | Surcharge<br>d |
| No Delay (15)<br>PorousPaving17-SW04                        | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120<br>mins: Summer | No Delay | Porous<br>Paving 17                      | SW04                              |         | 109.286 | 0.013 | 5.647   | 0.0 |      | 0.9  |                |
| No Delay (16)<br>PorousPaving10-SW17                        | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120<br>mins: Summer | No Delay | Porous<br>Paving 10                      | SW17                              |         | 109.295 | 0.012 | 3.934   | 0.0 |      | 0.9  |                |
| Pipe (22) BR01<br>Underdrain                                | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240<br>mins: Summer | Pipe     | Bioretention<br>01                       | SW10                              | 109.631 | 108.675 | 0.034 | 6.919   | 0.5 | 0.04 | 0.8  | Surcharge<br>d |
| No Delay (18)<br>PorousUnderImp<br>BusDropoffA-SW13         | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120<br>mins: Summer | No Delay | Porous<br>Under Imp<br>Bus Drop Off<br>a | SW13                              |         | 108.470 | 0.008 | 12.793  | 0.0 |      | 1.9  |                |
| Pipe (24)<br>PorousParking02-SW11                           | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120<br>mins: Summer | Pipe     | Porous<br>Parking 02                     | SW11                              | 109.697 | 109.147 | 0.046 | 7.850   | 0.4 | 0.02 | 1.4  | OK             |
| Pipe (25) BR03<br>Underdrain                                | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 360<br>mins: Summer | Pipe     | Bioretention<br>03                       | SW12                              | 109.616 | 109.461 | 0.033 | 20.612  | 0.7 | 0.04 | 1.5  | Surcharge<br>d |
| Pipe (26) BR02<br>Underdrain                                | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 360<br>mins: Summer | Pipe     | Bioretention<br>02                       | SW12                              | 109.635 | 109.459 | 0.030 | 11.881  | 0.5 | 0.02 | 0.9  | Surcharge<br>d |
| Pipe (27) BR05<br>Underdrain                                | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240<br>mins: Summer | Pipe     | Bioretention<br>05                       | SW14                              | 108.697 | 107.747 | 0.150 | 9.304   | 0.2 | 0.01 | 0.8  | Surcharge<br>d |
| Pipe (28) BR06<br>Underdrain                                | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 480<br>mins: Summer | Pipe     | Bioretention<br>06                       | SW14                              | 109.431 | 108.463 | 0.150 | 11.848  | 0.1 | 0.01 | 0.8  | Surcharge<br>d |
| No Delay (20)<br>PorousParking03-SW15                       | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120<br>mins: Summer | No Delay | Porous<br>Parking 03                     | SW15                              |         | 107.579 | 0.009 | 5.042   | 0.0 |      | 0.8  |                |
| No Delay (21)<br>PorousUnderImp<br>AccessRd07-SW15          | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120<br>mins: Summer | No Delay | Porous<br>Under Acces<br>Road 07         | SW15                              |         | 107.300 | 0.014 | 8.617   | 0.0 |      | 1.3  |                |
| No Delay (23)<br>PorousPaving09-SW18                        | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120<br>mins: Summer | No Delay | Porous<br>Paving 09                      | SW18                              |         | 109.318 | 0.014 | 7.082   | 0.0 |      | 1.2  |                |
| Pipe (31) SW09-TANK1                                        | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240<br>mins: Summer | Pipe     | SW09                                     | Cellular<br>Storage<br>Under MUGA | 109.064 | 106.473 | 0.148 | 175.410 | 1.9 | 0.38 | 25.9 | OK             |
| No Delay (26)                                               | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 60<br>mins: Summer  | No Delay | Porous<br>Paving 11a                     | SW07                              |         | 109.056 | 0.009 | 1.747   | 0.0 |      | 0.6  |                |
| No Delay (29)<br>PorousUnderImp<br>AccessRd02-SW11          | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120<br>mins: Summer | No Delay | Porous<br>Under Imp<br>Acces Road<br>02  | SW11                              |         | 109.066 | 0.015 | 15.460  | 0.0 |      | 2.4  |                |
| No Delay (30)<br>PorousUnderImp<br>AccessRd02a-BR02         | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120<br>mins: Summer | No Delay | Porous<br>Under Imp<br>Acces Road<br>02a | Bioretention<br>02                |         | 108.962 | 0.011 | 6.088   | 0.0 |      | 1.2  |                |
| No Delay (31)<br>PorousUnderImp<br>AccessRd03-SW12viaPPCP15 | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 60<br>mins: Summer  | No Delay | Porous<br>Under Imp<br>Acces Road<br>03  | SW12                              |         | 108.948 | 0.011 | 3.098   | 0.0 |      | 1.0  |                |
| No Delay (25)<br>PorousUnderImp<br>AccessRd04-SW14          | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120<br>mins: Summer | No Delay | Porous<br>Under Imp<br>Acces Road<br>04  | SW14                              |         | 107.287 | 0.012 | 8.899   | 0.0 |      | 1.3  |                |
| No Delay (6)<br>PorousPaving07-SW19                         | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240<br>mins: Summer | No Delay | Porous<br>Paving 07                      | SW19 FC                           |         | 108.974 | 0.008 | 12.517  | 0.0 |      | 1.3  |                |
| No Delay (19)<br>PorousUnderImp<br>AccessRd06-SW15          | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120<br>mins: Summer | No Delay | Porous<br>Under Imp<br>Acces Road<br>06  | SW15                              |         | 107.367 | 0.010 | 5.112   | 0.0 |      | 1.0  |                |
| No Delay (27)<br>PorousPaving17a-SW03                       | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120<br>mins: Summer | No Delay | Porous<br>Paving 17a                     | SW03                              |         | 109.272 | 0.014 | 4.735   | 0.0 |      | 0.8  |                |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |

|                                                            |                                                                                |          |                                    |                                 |         |         |       |         |     |      |      |             |
|------------------------------------------------------------|--------------------------------------------------------------------------------|----------|------------------------------------|---------------------------------|---------|---------|-------|---------|-----|------|------|-------------|
| Pipe (11) SW15-TANK2                                       | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240 mins: Summer | Pipe     | SW15                               | Cellular Storage Under Road     | 108.100 | 106.472 | 0.300 | 205.880 | 1.3 | 0.08 | 21.4 | Surcharge d |
| No Delay (24) PorousPavingMUGA-TANK1                       | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 360 mins: Winter | No Delay | Porous Paving MUGA                 | Cellular Storage Under MUGA     |         | 108.171 | 0.021 | 48.748  | 0.0 |      | 2.0  |             |
| Pipe (12) TANK1-SW17                                       | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 360 mins: Summer | Pipe     | Cellular Storage Under MUGA        | SW17                            | 108.455 | 106.548 | 0.254 | 124.254 | 0.7 | 0.25 | 15.7 | OK          |
| Pipe (13) SW17-SW18                                        | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 360 mins: Summer | Pipe     | SW17                               | SW18                            | 109.661 | 106.548 | 0.300 | 132.130 | 0.7 | 0.26 | 16.3 | OK          |
| Pipe (14) SW18-SW19                                        | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 480 mins: Summer | Pipe     | SW18                               | SW19 FC                         | 109.652 | 106.587 | 0.300 | 190.810 | 0.8 | 0.29 | 18.8 | Surcharge d |
| No Delay (32) PorousPaving04c-BR04                         | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 60 mins: Summer  | No Delay | Porous Paving 04c                  | Bioretention 04                 |         | 107.323 | 0.015 | 1.300   | 0.0 |      | 0.6  |             |
| No Delay (17) PorousUnderImp BusDropoffB-SW13              | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 360 mins: Summer | No Delay | Porous Under Imp Bus Drop Off b    | SW13                            |         | 106.861 | 0.012 | 12.808  | 0.0 |      | 0.9  |             |
| Pipe (23) BioRet04 Underdrain                              | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 960 mins: Winter | Pipe     | Bioretention 04                    | SW13                            | 107.606 | 107.413 | 0.150 | 4.286   | 0.2 | 0.01 | 0.3  | Surcharge d |
| Pipe (33) PorousPavingMUGA(TennisCourts)-SW23              | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 60 mins: Summer  | Pipe     | Porous Paving MUGA (Tennis Courts) | SW23 FC                         | 112.046 | 111.475 | 0.130 | 7.045   | 0.5 | 0.13 | 1.9  | Surcharge d |
| Pipe (34) Sw23-24                                          | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 480 mins: Summer | Pipe     | SW23 FC                            | SW24                            | 111.750 | 111.511 | 0.020 | 58.975  | 1.2 | 0.09 | 1.3  | Flood Risk  |
| Pipe SW01-SW01A                                            | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240 mins: Summer | Pipe     | SW01                               | SW01a                           | 109.665 | 108.688 | 0.032 | 2.517   | 0.3 | 0.05 | 0.9  | OK          |
| Pipe (36) SW01A-SW02                                       | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 360 mins: Summer | Pipe     | SW01a                              | SW02                            | 109.673 | 108.459 | 0.040 | 52.836  | 1.0 | 0.15 | 3.6  | OK          |
| Pipe (35) Sw24-SW01a                                       | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 480 mins: Summer | Pipe     | SW24                               | SW01a                           | 110.410 | 109.678 | 0.028 | 58.954  | 1.1 | 0.07 | 1.3  | OK          |
| Pipe (38) SW20-SW21                                        | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120 mins: Summer | Pipe     | SW20                               | SW21                            | 107.650 | 104.022 | 0.052 | 48.057  | 0.9 | 0.25 | 4.8  | OK          |
| Pipe (39) SW21-SW22                                        | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120 mins: Summer | Pipe     | SW21                               | SW22                            | 104.950 | 103.761 | 0.051 | 47.939  | 0.9 | 0.24 | 4.8  | OK          |
| Pipe (40) SW22-ExSW08                                      | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120 mins: Summer | Pipe     | SW22                               | EX.SW08 Infants&Nurse ry        | 104.700 | 103.512 | 0.051 | 47.845  | 0.9 | 0.24 | 4.8  | OK          |
| Pipe (30) TANK2-SW19                                       | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 480 mins: Summer | Pipe     | Cellular Storage Under Road        | SW19 FC                         | 108.000 | 106.587 | 0.300 | 0.000   | 0.1 | 0.09 | 5.8  | Surcharge d |
| Pipe (29) SW16-SW19                                        | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 360 mins: Summer | Pipe     | SW16                               | SW19 FC                         | 109.650 | 108.638 | 0.037 | 10.134  | 0.8 | 0.14 | 2.7  | OK          |
| Pipe (32) ExSWMH49-SW12A                                   | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15 mins: Summer  | Pipe     | Ex SWMH49                          | SW12A                           | 110.474 | 109.349 | 0.059 | 3.934   | 1.3 | 0.38 | 8.8  | OK          |
| Pipe (41) SW12A-SW12viaPPCP15                              | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15 mins: Summer  | Pipe     | SW12A                              | SW12                            | 109.800 | 108.934 | 0.045 | 3.934   | 1.9 | 0.21 | 8.6  | OK          |
| No Delay (2) PorousPaving04b-BR04                          | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 60 mins: Summer  | No Delay | Porous Paving 04b                  | Bioretention 04                 |         | 107.942 | 0.015 | 1.296   | 0.0 |      | 0.6  |             |
| No Delay (22) PorousPaving04a - PorousUnderImp BusDropoffA | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120 mins: Summer | No Delay | Porous Paving 04a                  | Porous Under Imp Bus Drop Off a |         | 108.763 | 0.015 | 4.669   | 0.0 |      | 1.1  |             |
| Pipe (37) SW19 FC Outfall                                  | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120 mins: Summer | Pipe     | SW19 FC                            | Simple Junction                 | 109.612 | 106.115 | 0.064 | 48.333  | 0.7 | 0.33 | 4.8  | Surcharge d |
| Pipe (37) (1) SW19 FC Outfall                              | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120 mins: Summer | Pipe     | Simple Junction                    | SW20                            | 109.400 | 105.519 | 0.060 | 48.175  | 0.7 | 0.33 | 4.8  | OK          |
| Pipe (41) SW19 Overflow                                    | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15 mins: Summer  | Pipe     | SW19 FC                            | Simple Junction                 | 109.612 | 105.690 | 0.028 | 0.000   | 0.0 | 0    | 0.0  | Surcharge d |
| Pipe (42) BR01 Overflow                                    | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15 mins: Summer  | Pipe     | Bioretention 01                    | SW10                            | 109.631 | 109.452 | 0.004 | 0.000   | 0.0 | 0    | 0.0  | OK          |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |

|                                           |                                                                                   |          |                      |                    |         |         |       |        |     |      |     |            |
|-------------------------------------------|-----------------------------------------------------------------------------------|----------|----------------------|--------------------|---------|---------|-------|--------|-----|------|-----|------------|
| Pipe (43) BR02 Overflow                   | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer  | Pipe     | Bioretention<br>02   | SW12               | 109.635 | 109.457 | 0.020 | 0.000  | 0.0 | 0    | 0.0 | OK         |
| Pipe (44) BR03 Overflow                   | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer  | Pipe     | Bioretention<br>03   | SW12               | 109.616 | 109.451 | 0.020 | 0.000  | 0.0 | 0    | 0.0 | OK         |
| Pipe (45) BR04 Overflow                   | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer  | Pipe     | Bioretention<br>04   | SW13               | 107.606 | 107.402 | 0.015 | 0.000  | 0.0 | 0    | 0.0 | OK         |
| Pipe (46) BR05 Overflow                   | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer  | Pipe     | Bioretention<br>05   | SW14               | 108.697 | 108.520 | 0.040 | 0.000  | 0.0 | 0    | 0.0 | OK         |
| Pipe (47) BR06 Overflow                   | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer  | Pipe     | Bioretention<br>06   | SW14               | 109.431 | 109.251 | 0.040 | 0.000  | 0.0 | 0    | 0.0 | OK         |
| Pipe (48) BR07 Overflow                   | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer  | Pipe     | Bioretention<br>07   | SW08               | 109.628 | 109.471 | 0.022 | 0.000  | 0.0 | 0    | 0.0 | OK         |
| Pipe (49) BR08 Overflow                   | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer  | Pipe     | Bioretention<br>08   | SW06               | 109.621 | 109.467 | 0.033 | 0.000  | 0.0 | 0    | 0.0 | OK         |
| Pipe (50) BR09 Overflow                   | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer  | Pipe     | Bioretention<br>09   | SW07               | 109.522 | 109.356 | 0.008 | 0.000  | 0.0 | 0    | 0.0 | OK         |
| Pipe (51) BR10 Overflow                   | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 15<br>mins: Summer  | Pipe     | Bioretention<br>10   | SW07               | 109.433 | 109.252 | 0.008 | 0.000  | 0.0 | 0    | 0.0 | OK         |
| Pipe (52) BR11 Overflow                   | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 240<br>mins: Summer | Pipe     | Bioretention<br>11   | SW02               | 109.671 | 109.545 | 0.033 | 2.157  | 0.3 | 0.01 | 0.8 | Flood Risk |
| No Delay (11)<br>PorousParking01-<br>BR11 | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120<br>mins: Summer | No Delay | Porous<br>Parking 01 | Bioretention<br>11 |         | 109.342 | 0.014 | 16.173 | 0.0 |      | 2.3 |            |
| No Delay (28)<br>PorousPaving19-<br>BR11  | 03 3.33% AEP +CCA<br>Surcharge Permitted:<br>30 years: +35 %: 120<br>mins: Summer | No Delay | Porous<br>Paving 19  | Bioretention<br>11 |         | 109.369 | 0.006 | 3.213  | 0.0 |      | 0.5 |            |

|                                                                                                                            |  |  |  |                                                                                                                 |                           |                            |                                                                                     |  |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  |  |  | Date:<br>18/03/2026                                                                                             |                           |                            |  |  |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  |  |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |                                                                                     |  |
|                                                                                                                            |  |  |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |                                                                                     |  |



04 1% AEP No Flooding: 100 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Flow

| Connection                                         | Storm Event                                                       | Connection Type | From                | To                   | Upstream<br>Cover Level<br>(m) | Max. US<br>Water Level<br>(m) | Max.<br>Flow<br>Depth<br>(m) | Discharge<br>Volume (m³) | Max.<br>Velocity<br>(m/s) | Flow /<br>Capacity | Max.<br>Flow (L/s) | Status         |
|----------------------------------------------------|-------------------------------------------------------------------|-----------------|---------------------|----------------------|--------------------------------|-------------------------------|------------------------------|--------------------------|---------------------------|--------------------|--------------------|----------------|
| No Delay<br>PorousPaving01-<br>BR01                | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 60 mins:<br>Summer  | No Delay        | Porous<br>Paving 01 | Bioretention<br>01   |                                | 109.269                       | 0.009                        | 2.284                    | 0.0                       |                    | 0.7                |                |
| No Delay (1)<br>PorousPaving02-<br>PorousParking02 | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | No Delay        | Porous<br>Paving 02 | Porous<br>Parking 02 |                                | 109.225                       | 0.017                        | 3.962                    | 0.0                       |                    | 0.5                |                |
| No Delay (4)<br>PorousPaving06-<br>BR06            | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | No Delay        | Porous<br>Paving 06 | Bioretention<br>06   |                                | 109.076                       | 0.013                        | 4.666                    | 0.0                       |                    | 0.8                |                |
| No Delay (3)<br>PorousPaving05-<br>BR05            | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | No Delay        | Porous<br>Paving 05 | Bioretention<br>05   |                                | 109.075                       | 0.012                        | 4.220                    | 0.0                       |                    | 0.7                |                |
| No Delay (5)<br>PorousPaving03-<br>BR03            | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | No Delay        | Porous<br>Paving 03 | Bioretention<br>03   |                                | 109.286                       | 0.016                        | 6.989                    | 0.0                       |                    | 1.0                |                |
| No Delay (7)<br>PorousPaving13-<br>BR07            | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 60 mins:<br>Summer  | No Delay        | Porous<br>Paving 13 | Bioretention<br>07   |                                | 109.236                       | 0.016                        | 1.357                    | 0.0                       |                    | 0.5                |                |
| No Delay (8)<br>PorousPaving15-<br>BR08            | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 60 mins:<br>Summer  | No Delay        | Porous<br>Paving 15 | Bioretention<br>08   |                                | 109.240                       | 0.017                        | 1.539                    | 0.0                       |                    | 0.5                |                |
| No Delay (9)<br>PorousPaving16-<br>BR09            | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 60 mins:<br>Summer  | No Delay        | Porous<br>Paving 16 | Bioretention<br>09   |                                | 109.143                       | 0.013                        | 1.921                    | 0.0                       |                    | 0.7                |                |
| No Delay (10)<br>PorousPaving18-<br>BR10           | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | No Delay        | Porous<br>Paving 18 | Bioretention<br>10   |                                | 109.248                       | 0.013                        | 3.939                    | 0.0                       |                    | 0.7                |                |
| Pipe (2) SW04-<br>SW05                             | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 360 mins:<br>Summer | Pipe            | SW04                | SW05                 | 109.700                        | 108.121                       | 0.125                        | 135.253                  | 0.6                       | 0.37               | 12.8               | OK             |
| Pipe (3) SW05-<br>SW06                             | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 360 mins:<br>Summer | Pipe            | SW05                | SW06                 | 109.700                        | 108.107                       | 0.131                        | 158.442                  | 0.8                       | 0.55               | 19.0               | OK             |
| Pipe (4) SW06-<br>SW08                             | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 360 mins:<br>Summer | Pipe            | SW06                | SW08                 | 109.700                        | 108.017                       | 0.128                        | 173.534                  | 0.9                       | 0.61               | 21.2               | OK             |
| Pipe (5) SW07-<br>SW08                             | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | Pipe            | SW07                | SW08                 | 109.703                        | 108.228                       | 0.027                        | 17.641                   | 0.9                       | 0.07               | 2.0                | OK             |
| Pipe (6) SW10-<br>SW11                             | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | Pipe            | SW10                | SW11                 | 109.607                        | 108.438                       | 0.070                        | 15.565                   | 0.3                       | 0.1                | 3.6                | OK             |
| Pipe (7) SW11-<br>SW12                             | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | Pipe            | SW11                | SW12                 | 109.609                        | 108.301                       | 0.071                        | 70.648                   | 1.1                       | 0.33               | 11.3               | OK             |
| Pipe (8) SW12-<br>SW14                             | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | Pipe            | SW12                | SW14                 | 109.800                        | 108.156                       | 0.202                        | 115.800                  | 2.2                       | 0.11               | 14.5               | OK             |
| Pipe (9) SW13-<br>SW14                             | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 360 mins:<br>Winter | Pipe            | SW13                | SW14                 | 107.800                        | 106.563                       | 0.300                        | 42.273                   | 0.2                       | 0.04               | 2.4                | Surcharge<br>d |
| Pipe (10) SW14-<br>SW15                            | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | Pipe            | SW14                | SW15                 | 108.350                        | 106.484                       | 0.300                        | 181.550                  | 1.2                       | 0.3                | 19.1               | Surcharge<br>d |
| Pipe (15) SW08-<br>SW09                            | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | Pipe            | SW08                | SW09                 | 109.701                        | 107.279                       | 0.094                        | 179.374                  | 1.7                       | 0.27               | 26.4               | OK             |
| Pipe (1) SW02-<br>SW03                             | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 360 mins:<br>Summer | Pipe            | SW02                | SW03                 | 109.500                        | 108.264                       | 0.072                        | 91.274                   | 0.6                       | 0.18               | 6.1                | OK             |
| Pipe (16) SW03-<br>SW04                            | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 360 mins:<br>Summer | Pipe            | SW03                | SW04                 | 109.465                        | 108.182                       | 0.101                        | 113.331                  | 0.6                       | 0.27               | 9.4                | OK             |
| Pipe (17) BR09<br>Underdrain                       | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | Pipe            | Bioretention<br>09  | SW07                 | 109.522                        | 108.574                       | 0.021                        | 5.055                    | 0.5                       | 0.02               | 0.8                | Surcharge<br>d |
| Pipe (18) BR10<br>Underdrain                       | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | Pipe            | Bioretention<br>10  | SW07                 | 109.433                        | 108.460                       | 0.024                        | 7.611                    | 0.4                       | 0.04               | 0.7                | Surcharge<br>d |
| Pipe (19) BR11<br>Underdrain                       | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | Pipe            | Bioretention<br>11  | SW02                 | 109.671                        | 109.546                       | 0.039                        | 25.687                   | 0.6                       | 0.02               | 1.5                | Flood Risk     |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |

|                                                             |                                                                   |          |                                          |                                   |         |         |       |         |     |      |      |                |
|-------------------------------------------------------------|-------------------------------------------------------------------|----------|------------------------------------------|-----------------------------------|---------|---------|-------|---------|-----|------|------|----------------|
| No Delay (12)<br>PorousPaving11-SW08                        | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | No Delay | Porous<br>Paving 11                      | SW08                              |         | 109.092 | 0.014 | 5.541   | 0.0 |      | 0.9  |                |
| No Delay (13)<br>PorousPaving12-SW08                        | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | No Delay | Porous<br>Paving 12                      | SW08                              |         | 109.279 | 0.011 | 4.017   | 0.0 |      | 0.7  |                |
| No Delay (14)<br>PorousPaving14-SW06                        | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 60 mins:<br>Summer  | No Delay | Porous<br>Paving 14                      | SW06                              |         | 109.256 | 0.010 | 2.259   | 0.0 |      | 0.7  |                |
| Pipe (20) BR08<br>Underdrain                                | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 60 mins:<br>Summer  | Pipe     | Bioretention<br>08                       | SW06                              | 109.621 | 109.459 | 0.012 | 1.874   | 1.1 | 0.01 | 0.8  | Surcharge<br>d |
| Pipe (21) BR07<br>Underdrain                                | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | Pipe     | Bioretention<br>07                       | SW08                              | 109.628 | 109.454 | 0.012 | 2.880   | 1.1 | 0.01 | 0.8  | Surcharge<br>d |
| No Delay (15)<br>PorousPaving17-SW04                        | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | No Delay | Porous<br>Paving 17                      | SW04                              |         | 109.288 | 0.013 | 5.816   | 0.0 |      | 0.9  |                |
| No Delay (16)<br>PorousPaving10-SW17                        | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | No Delay | Porous<br>Paving 10                      | SW17                              |         | 109.297 | 0.012 | 4.030   | 0.0 |      | 1.0  |                |
| Pipe (22) BR01<br>Underdrain                                | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | Pipe     | Bioretention<br>01                       | SW10                              | 109.631 | 108.680 | 0.035 | 7.111   | 0.5 | 0.05 | 0.8  | Surcharge<br>d |
| No Delay (18)<br>PorousUnderImp<br>BusDropoffA-SW13         | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | No Delay | Porous<br>Under Imp<br>Bus Drop Off<br>a | SW13                              |         | 108.474 | 0.008 | 13.167  | 0.0 |      | 1.9  |                |
| Pipe (24)<br>PorousParking02-SW11                           | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | Pipe     | Porous<br>Parking 02                     | SW11                              | 109.697 | 109.148 | 0.048 | 8.095   | 0.4 | 0.02 | 1.4  | OK             |
| Pipe (25) BR03<br>Underdrain                                | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 360 mins:<br>Summer | Pipe     | Bioretention<br>03                       | SW12                              | 109.616 | 109.463 | 0.034 | 21.077  | 0.7 | 0.04 | 1.5  | Surcharge<br>d |
| Pipe (26) BR02<br>Underdrain                                | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 360 mins:<br>Summer | Pipe     | Bioretention<br>02                       | SW12                              | 109.635 | 109.459 | 0.030 | 12.145  | 0.5 | 0.02 | 0.9  | Surcharge<br>d |
| Pipe (27) BR05<br>Underdrain                                | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | Pipe     | Bioretention<br>05                       | SW14                              | 108.697 | 107.752 | 0.150 | 9.571   | 0.2 | 0.01 | 0.9  | Surcharge<br>d |
| Pipe (28) BR06<br>Underdrain                                | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 480 mins:<br>Summer | Pipe     | Bioretention<br>06                       | SW14                              | 109.431 | 108.465 | 0.150 | 12.065  | 0.1 | 0.01 | 0.8  | Surcharge<br>d |
| No Delay (20)<br>PorousParking03-SW15                       | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | No Delay | Porous<br>Parking 03                     | SW15                              |         | 107.581 | 0.009 | 5.188   | 0.0 |      | 0.8  |                |
| No Delay (21)<br>PorousUnderImp<br>AccessRd07-SW15          | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | No Delay | Porous<br>Under Acces<br>Road 07         | SW15                              |         | 107.302 | 0.014 | 8.897   | 0.0 |      | 1.4  |                |
| No Delay (23)<br>PorousPaving09-SW18                        | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | No Delay | Porous<br>Paving 09                      | SW18                              |         | 109.320 | 0.015 | 7.234   | 0.0 |      | 1.2  |                |
| Pipe (31) SW09-TANK1                                        | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | Pipe     | SW09                                     | Cellular<br>Storage<br>Under MUGA | 109.064 | 106.485 | 0.160 | 178.899 | 1.9 | 0.39 | 26.4 | OK             |
| No Delay (26)                                               | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 60 mins:<br>Summer  | No Delay | Porous<br>Paving 11a                     | SW07                              |         | 109.058 | 0.009 | 1.771   | 0.0 |      | 0.6  |                |
| No Delay (29)<br>PorousUnderImp<br>AccessRd02-SW11          | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | No Delay | Porous<br>Under Imp<br>Acces Road<br>02  | SW11                              |         | 109.070 | 0.015 | 15.946  | 0.0 |      | 2.5  |                |
| No Delay (30)<br>PorousUnderImp<br>AccessRd02a-BR02         | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | No Delay | Porous<br>Under Imp<br>Acces Road<br>02a | Bioretention<br>02                |         | 108.965 | 0.011 | 6.275   | 0.0 |      | 1.2  |                |
| No Delay (31)<br>PorousUnderImp<br>AccessRd03-SW12viaPPCP15 | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | No Delay | Porous<br>Under Imp<br>Acces Road<br>03  | SW12                              |         | 108.958 | 0.011 | 5.133   | 0.0 |      | 1.0  |                |
| No Delay (25)<br>PorousUnderImp<br>AccessRd04-SW14          | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | No Delay | Porous<br>Under Imp<br>Acces Road<br>04  | SW14                              |         | 107.290 | 0.012 | 9.204   | 0.0 |      | 1.4  |                |
| No Delay (6)<br>PorousPaving07-SW19                         | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | No Delay | Porous<br>Paving 07                      | SW19 FC                           |         | 108.976 | 0.008 | 12.735  | 0.0 |      | 1.3  |                |
| No Delay (19)<br>PorousUnderImp<br>AccessRd06-SW15          | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | No Delay | Porous<br>Under Imp<br>Acces Road<br>06  | SW15                              |         | 107.369 | 0.010 | 5.267   | 0.0 |      | 1.0  |                |
| No Delay (27)<br>PorousPaving17a-SW03                       | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | No Delay | Porous<br>Paving 17a                     | SW03                              |         | 109.274 | 0.014 | 4.871   | 0.0 |      | 0.9  |                |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |

|                                                            |                                                          |          |                                    |                                 |         |         |       |         |     |      |      |             |
|------------------------------------------------------------|----------------------------------------------------------|----------|------------------------------------|---------------------------------|---------|---------|-------|---------|-----|------|------|-------------|
| Pipe (11) SW15-TANK2                                       | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | Pipe     | SW15                               | Cellular Storage Under Road     | 108.100 | 106.484 | 0.300 | 211.694 | 1.3 | 0.09 | 21.8 | Surcharge d |
| No Delay (24) PorousPavingMUGA-TANK1                       | 04 1% AEP No Flooding: 100 years: +0 %: 360 mins: Winter | No Delay | Porous Paving MUGA                 | Cellular Storage Under MUGA     |         | 108.174 | 0.021 | 49.456  | 0.0 |      | 2.0  |             |
| Pipe (12) TANK1-SW17                                       | 04 1% AEP No Flooding: 100 years: +0 %: 480 mins: Summer | Pipe     | Cellular Storage Under MUGA        | SW17                            | 108.455 | 106.609 | 0.300 | 142.086 | 0.7 | 0.26 | 16.3 | Surcharge d |
| Pipe (13) SW17-SW18                                        | 04 1% AEP No Flooding: 100 years: +0 %: 480 mins: Summer | Pipe     | SW17                               | SW18                            | 109.661 | 106.609 | 0.300 | 150.822 | 0.7 | 0.27 | 17.0 | Surcharge d |
| Pipe (14) SW18-SW19                                        | 04 1% AEP No Flooding: 100 years: +0 %: 480 mins: Summer | Pipe     | SW18                               | SW19 FC                         | 109.652 | 106.609 | 0.300 | 188.425 | 0.8 | 0.31 | 19.6 | Surcharge d |
| No Delay (32) PorousPaving04c-BR04                         | 04 1% AEP No Flooding: 100 years: +0 %: 60 mins: Summer  | No Delay | Porous Paving 04c                  | Bioretention 04                 |         | 107.324 | 0.015 | 1.317   | 0.0 |      | 0.6  |             |
| No Delay (17) PorousUnderImp BusDropoffB-SW13              | 04 1% AEP No Flooding: 100 years: +0 %: 360 mins: Summer | No Delay | Porous Under Imp Bus Drop Off b    | SW13                            |         | 106.864 | 0.012 | 13.287  | 0.0 |      | 0.9  |             |
| Pipe (23) BioRet04 Underdrain                              | 04 1% AEP No Flooding: 100 years: +0 %: 960 mins: Winter | Pipe     | Bioretention 04                    | SW13                            | 107.606 | 107.412 | 0.150 | 4.138   | 0.1 | 0.01 | 0.3  | Surcharge d |
| Pipe (33) PorousPavingMUGA(TennisCourts)-SW23              | 04 1% AEP No Flooding: 100 years: +0 %: 60 mins: Summer  | Pipe     | Porous Paving MUGA (Tennis Courts) | SW23 FC                         | 112.046 | 111.478 | 0.133 | 7.082   | 0.5 | 0.14 | 2.0  | Surcharge d |
| Pipe (34) Sw23-24                                          | 04 1% AEP No Flooding: 100 years: +0 %: 360 mins: Summer | Pipe     | SW23 FC                            | SW24                            | 111.750 | 111.514 | 0.020 | 44.422  | 1.2 | 0.09 | 1.3  | Flood Risk  |
| Pipe SW01-SW01A                                            | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | Pipe     | SW01                               | SW01a                           | 109.665 | 108.688 | 0.032 | 2.568   | 0.3 | 0.05 | 0.9  | OK          |
| Pipe (36) SW01A-SW02                                       | 04 1% AEP No Flooding: 100 years: +0 %: 240 mins: Summer | Pipe     | SW01a                              | SW02                            | 109.673 | 108.459 | 0.040 | 36.107  | 1.0 | 0.15 | 3.6  | OK          |
| Pipe (35) Sw24-SW01a                                       | 04 1% AEP No Flooding: 100 years: +0 %: 360 mins: Summer | Pipe     | SW24                               | SW01a                           | 110.410 | 109.678 | 0.029 | 44.400  | 1.1 | 0.07 | 1.3  | OK          |
| Pipe (38) SW20-SW21                                        | 04 1% AEP No Flooding: 100 years: +0 %: 120 mins: Summer | Pipe     | SW20                               | SW21                            | 107.650 | 104.022 | 0.052 | 48.265  | 0.9 | 0.25 | 4.8  | OK          |
| Pipe (39) SW21-SW22                                        | 04 1% AEP No Flooding: 100 years: +0 %: 120 mins: Summer | Pipe     | SW21                               | SW22                            | 104.950 | 103.761 | 0.051 | 48.148  | 0.9 | 0.24 | 4.8  | OK          |
| Pipe (40) SW22-ExSW08                                      | 04 1% AEP No Flooding: 100 years: +0 %: 120 mins: Summer | Pipe     | SW22                               | EX.SW08 Infants&Nursery         | 104.700 | 103.512 | 0.051 | 48.055  | 0.9 | 0.24 | 4.8  | OK          |
| Pipe (30) TANK2-SW19                                       | 04 1% AEP No Flooding: 100 years: +0 %: 360 mins: Winter | Pipe     | Cellular Storage Under Road        | SW19 FC                         | 108.000 | 106.563 | 0.300 | 0.000   | 0.1 | 0.09 | 6.0  | Surcharge d |
| Pipe (29) SW16-SW19                                        | 04 1% AEP No Flooding: 100 years: +0 %: 360 mins: Summer | Pipe     | SW16                               | SW19 FC                         | 109.650 | 108.638 | 0.038 | 10.281  | 0.8 | 0.14 | 2.7  | OK          |
| Pipe (32) ExSWMH49-SW12A                                   | 04 1% AEP No Flooding: 100 years: +0 %: 15 mins: Summer  | Pipe     | Ex SWMH49                          | SW12A                           | 110.474 | 109.349 | 0.059 | 3.925   | 1.3 | 0.38 | 8.8  | OK          |
| Pipe (41) SW12A-SW12viaPPCP15                              | 04 1% AEP No Flooding: 100 years: +0 %: 15 mins: Summer  | Pipe     | SW12A                              | SW12                            | 109.800 | 108.933 | 0.045 | 3.925   | 1.9 | 0.21 | 8.6  | OK          |
| No Delay (2) PorousPaving04b-BR04                          | 04 1% AEP No Flooding: 100 years: +0 %: 60 mins: Summer  | No Delay | Porous Paving 04b                  | Bioretention 04                 |         | 107.944 | 0.015 | 1.324   | 0.0 |      | 0.6  |             |
| No Delay (22) PorousPaving04a - PorousUnderImp BusDropoffA | 04 1% AEP No Flooding: 100 years: +0 %: 120 mins: Summer | No Delay | Porous Paving 04a                  | Porous Under Imp Bus Drop Off a |         | 108.765 | 0.015 | 4.769   | 0.0 |      | 1.1  |             |
| Pipe (37) SW19 FC Outfall                                  | 04 1% AEP No Flooding: 100 years: +0 %: 120 mins: Summer | Pipe     | SW19 FC                            | Simple Junction                 | 109.612 | 106.165 | 0.064 | 48.538  | 0.7 | 0.33 | 4.8  | Surcharge d |
| Pipe (37) (1) SW19 FC Outfall                              | 04 1% AEP No Flooding: 100 years: +0 %: 120 mins: Summer | Pipe     | Simple Junction                    | SW20                            | 109.400 | 105.519 | 0.060 | 48.382  | 0.7 | 0.33 | 4.8  | OK          |
| Pipe (41) SW19 Overflow                                    | 04 1% AEP No Flooding: 100 years: +0 %: 15 mins: Summer  | Pipe     | SW19 FC                            | Simple Junction                 | 109.612 | 105.690 | 0.028 | 0.000   | 0.0 | 0    | 0.0  | Surcharge d |
| Pipe (42) BR01 Overflow                                    | 04 1% AEP No Flooding: 100 years: +0 %: 15 mins: Summer  | Pipe     | Bioretention 01                    | SW10                            | 109.631 | 109.452 | 0.004 | 0.000   | 0.0 | 0    | 0.0  | OK          |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |

|                                           |                                                                   |          |                      |                    |         |         |       |        |     |      |     |            |
|-------------------------------------------|-------------------------------------------------------------------|----------|----------------------|--------------------|---------|---------|-------|--------|-----|------|-----|------------|
| Pipe (43) BR02<br>Overflow                | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer  | Pipe     | Bioretention<br>02   | SW12               | 109.635 | 109.457 | 0.020 | 0.000  | 0.0 | 0    | 0.0 | OK         |
| Pipe (44) BR03<br>Overflow                | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer  | Pipe     | Bioretention<br>03   | SW12               | 109.616 | 109.451 | 0.020 | 0.000  | 0.0 | 0    | 0.0 | OK         |
| Pipe (45) BR04<br>Overflow                | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer  | Pipe     | Bioretention<br>04   | SW13               | 107.606 | 107.402 | 0.015 | 0.000  | 0.0 | 0    | 0.0 | OK         |
| Pipe (46) BR05<br>Overflow                | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer  | Pipe     | Bioretention<br>05   | SW14               | 108.697 | 108.520 | 0.040 | 0.000  | 0.0 | 0    | 0.0 | OK         |
| Pipe (47) BR06<br>Overflow                | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer  | Pipe     | Bioretention<br>06   | SW14               | 109.431 | 109.251 | 0.040 | 0.000  | 0.0 | 0    | 0.0 | OK         |
| Pipe (48) BR07<br>Overflow                | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer  | Pipe     | Bioretention<br>07   | SW08               | 109.628 | 109.471 | 0.022 | 0.000  | 0.0 | 0    | 0.0 | OK         |
| Pipe (49) BR08<br>Overflow                | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer  | Pipe     | Bioretention<br>08   | SW06               | 109.621 | 109.467 | 0.033 | 0.000  | 0.0 | 0    | 0.0 | OK         |
| Pipe (50) BR09<br>Overflow                | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer  | Pipe     | Bioretention<br>09   | SW07               | 109.522 | 109.356 | 0.009 | 0.000  | 0.0 | 0    | 0.0 | OK         |
| Pipe (51) BR10<br>Overflow                | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 15 mins:<br>Summer  | Pipe     | Bioretention<br>10   | SW07               | 109.433 | 109.252 | 0.009 | 0.000  | 0.0 | 0    | 0.0 | OK         |
| Pipe (52) BR11<br>Overflow                | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 240 mins:<br>Summer | Pipe     | Bioretention<br>11   | SW02               | 109.671 | 109.546 | 0.034 | 2.394  | 0.4 | 0.01 | 0.8 | Flood Risk |
| No Delay (11)<br>PorousParking01-<br>BR11 | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | No Delay | Porous<br>Parking 01 | Bioretention<br>11 |         | 109.349 | 0.014 | 16.506 | 0.0 |      | 2.4 |            |
| No Delay (28)<br>PorousPaving19-<br>BR11  | 04 1% AEP No<br>Flooding: 100 years:<br>+0 %: 120 mins:<br>Summer | No Delay | Porous<br>Paving 19  | Bioretention<br>11 |         | 109.371 | 0.006 | 3.301  | 0.0 |      | 0.5 |            |

|                                                                                                                            |  |  |  |                                                                                                                 |                           |                            |                                                                                     |  |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  |  |  | Date:<br>18/03/2026                                                                                             |                           |                            |  |  |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  |  |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern | Approved By:<br>P Southern |                                                                                     |  |
|                                                                                                                            |  |  |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                            |                                                                                     |  |



05 1% AEP+CCA Flooding Permitted: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Flow

| Connection                                         | Storm Event                                                                   | Connection Type | From                | To                   | Upstream<br>Cover Level<br>(m) | Max. US<br>Water Level<br>(m) | Max.<br>Flow<br>Depth<br>(m) | Discharge<br>Volume (m³) | Max.<br>Velocity<br>(m/s) | Flow /<br>Capacity | Max.<br>Flow (L/s) | Status         |
|----------------------------------------------------|-------------------------------------------------------------------------------|-----------------|---------------------|----------------------|--------------------------------|-------------------------------|------------------------------|--------------------------|---------------------------|--------------------|--------------------|----------------|
| No Delay<br>PorousPaving01-<br>BR01                | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 60<br>mins: Summer  | No Delay        | Porous<br>Paving 01 | Bioretention<br>01   |                                | 109.313                       | 0.010                        | 3.291                    | 0.0                       |                    | 1.0                |                |
| No Delay (1)<br>PorousPaving02-<br>PorousParking02 | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 240<br>mins: Summer | No Delay        | Porous<br>Paving 02 | Porous<br>Parking 02 |                                | 109.532                       | 0.018                        | 10.083                   | 0.0                       |                    | 0.7                |                |
| No Delay (4)<br>PorousPaving06-<br>BR06            | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 60<br>mins: Summer  | No Delay        | Porous<br>Paving 06 | Bioretention<br>06   |                                | 109.103                       | 0.014                        | 3.710                    | 0.0                       |                    | 1.1                |                |
| No Delay (3)<br>PorousPaving05-<br>BR05            | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 60<br>mins: Summer  | No Delay        | Porous<br>Paving 05 | Bioretention<br>05   |                                | 109.102                       | 0.013                        | 3.339                    | 0.0                       |                    | 1.0                |                |
| No Delay (5)<br>PorousPaving03-<br>BR03            | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 120<br>mins: Summer | No Delay        | Porous<br>Paving 03 | Bioretention<br>03   |                                | 109.339                       | 0.018                        | 10.361                   | 0.0                       |                    | 1.4                |                |
| No Delay (7)<br>PorousPaving13-<br>BR07            | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 60<br>mins: Summer  | No Delay        | Porous<br>Paving 13 | Bioretention<br>07   |                                | 109.267                       | 0.018                        | 1.960                    | 0.0                       |                    | 0.7                |                |
| No Delay (8)<br>PorousPaving15-<br>BR08            | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 60<br>mins: Summer  | No Delay        | Porous<br>Paving 15 | Bioretention<br>08   |                                | 109.273                       | 0.019                        | 2.242                    | 0.0                       |                    | 0.8                |                |
| No Delay (9)<br>PorousPaving16-<br>BR09            | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 60<br>mins: Summer  | No Delay        | Porous<br>Paving 16 | Bioretention<br>09   |                                | 109.177                       | 0.014                        | 2.802                    | 0.0                       |                    | 0.9                |                |
| No Delay (10)<br>PorousPaving18-<br>BR10           | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 120<br>mins: Summer | No Delay        | Porous<br>Paving 18 | Bioretention<br>10   |                                | 109.292                       | 0.015                        | 5.808                    | 0.0                       |                    | 1.0                |                |
| Pipe (2) SW04-<br>SW05                             | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 240<br>mins: Summer | Pipe            | SW04                | SW05                 | 109.700                        | 108.213                       | 0.217                        | 157.911                  | 0.6                       | 0.64               | 22.0               | OK             |
| Pipe (3) SW05-<br>SW06                             | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 240<br>mins: Summer | Pipe            | SW05                | SW06                 | 109.700                        | 108.198                       | 0.216                        | 196.967                  | 0.9                       | 0.98               | 33.9               | OK             |
| Pipe (4) SW06-<br>SW08                             | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 240<br>mins: Summer | Pipe            | SW06                | SW08                 | 109.700                        | 108.095                       | 0.188                        | 217.649                  | 1.1                       | 1.09               | 37.5               | OK             |
| Pipe (5) SW07-<br>SW08                             | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 120<br>mins: Summer | Pipe            | SW07                | SW08                 | 109.703                        | 108.234                       | 0.033                        | 17.376                   | 1.0                       | 0.1                | 2.9                | OK             |
| Pipe (6) SW10-<br>SW11                             | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 240<br>mins: Summer | Pipe            | SW10                | SW11                 | 109.607                        | 108.455                       | 0.095                        | 28.950                   | 0.4                       | 0.19               | 6.6                | OK             |
| Pipe (7) SW11-<br>SW12                             | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 240<br>mins: Summer | Pipe            | SW11                | SW12                 | 109.609                        | 108.334                       | 0.095                        | 115.345                  | 1.2                       | 0.58               | 19.9               | OK             |
| Pipe (8) SW12-<br>SW14                             | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 240<br>mins: Summer | Pipe            | SW12                | SW14                 | 109.800                        | 108.173                       | 0.225                        | 183.507                  | 2.5                       | 0.19               | 25.9               | OK             |
| Pipe (9) SW13-<br>SW14                             | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 480<br>mins: Winter | Pipe            | SW13                | SW14                 | 107.800                        | 106.934                       | 0.300                        | 64.336                   | 0.2                       | 0.05               | 3.5                | Surcharge<br>d |
| Pipe (10) SW14-<br>SW15                            | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 240<br>mins: Summer | Pipe            | SW14                | SW15                 | 108.350                        | 106.788                       | 0.300                        | 281.318                  | 1.4                       | 0.51               | 32.4               | Surcharge<br>d |
| Pipe (15) SW08-<br>SW09                            | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 240<br>mins: Summer | Pipe            | SW08                | SW09                 | 109.701                        | 107.309                       | 0.225                        | 283.002                  | 1.9                       | 0.46               | 45.8               | OK             |
| Pipe (1) SW02-<br>SW03                             | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 240<br>mins: Summer | Pipe            | SW02                | SW03                 | 109.500                        | 108.282                       | 0.106                        | 95.784                   | 0.6                       | 0.29               | 9.9                | OK             |
| Pipe (16) SW03-<br>SW04                            | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 240<br>mins: Summer | Pipe            | SW03                | SW04                 | 109.465                        | 108.236                       | 0.174                        | 126.794                  | 0.6                       | 0.46               | 15.7               | OK             |
| Pipe (17) BR09<br>Underdrain                       | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 120<br>mins: Summer | Pipe            | Bioretention<br>09  | SW07                 | 109.522                        | 109.353                       | 0.025                        | 5.526                    | 0.6                       | 0.02               | 1.1                | Surcharge<br>d |
| Pipe (18) BR10<br>Underdrain                       | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 120<br>mins: Summer | Pipe            | Bioretention<br>10  | SW07                 | 109.433                        | 108.524                       | 0.029                        | 7.068                    | 0.4                       | 0.06               | 1.0                | Surcharge<br>d |
| Pipe (19) BR11<br>Underdrain                       | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 120<br>mins: Summer | Pipe            | Bioretention<br>11  | SW02                 | 109.671                        | 109.550                       | 0.045                        | 16.459                   | 0.6                       | 0.02               | 1.5                | Flood Risk     |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
|                                                                                                                            |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |

|                                                       |                                                                      |          |                                  |                 |         |         |       |         |     |      |      |             |
|-------------------------------------------------------|----------------------------------------------------------------------|----------|----------------------------------|-----------------|---------|---------|-------|---------|-----|------|------|-------------|
| No Delay (12) PorousPaving11-SW08                     | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | No Delay | Porous Paving 11                 | SW08            |         | 109.145 | 0.016 | 8.417   | 0.0 |      | 1.3  |             |
| No Delay (13) PorousPaving12-SW08                     | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 60 mins: Summer  | No Delay | Porous Paving 12                 | SW08            |         | 109.306 | 0.012 | 3.275   | 0.0 |      | 1.0  |             |
| No Delay (14) PorousPaving14-SW06                     | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 60 mins: Summer  | No Delay | Porous Paving 14                 | SW06            |         | 109.295 | 0.011 | 3.379   | 0.0 |      | 1.1  |             |
| Pipe (20) BR08 Underdrain                             | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 30 mins: Winter  | Pipe     | Bioretention 08                  | SW06            | 109.621 | 109.482 | 0.014 | 1.604   | 1.1 | 0.02 | 0.9  | Surcharge d |
| Pipe (21) BR07 Underdrain                             | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 60 mins: Summer  | Pipe     | Bioretention 07                  | SW08            | 109.628 | 109.483 | 0.013 | 2.840   | 1.1 | 0.02 | 0.8  | Surcharge d |
| No Delay (15) PorousPaving17-SW04                     | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | No Delay | Porous Paving 17                 | SW04            |         | 109.341 | 0.015 | 8.880   | 0.0 |      | 1.3  |             |
| No Delay (16) PorousPaving10-SW17                     | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | No Delay | Porous Paving 10                 | SW17            |         | 109.331 | 0.014 | 5.692   | 0.0 |      | 1.3  |             |
| Pipe (22) BR01 Underdrain                             | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 60 mins: Summer  | Pipe     | Bioretention 01                  | SW10            | 109.631 | 109.455 | 0.039 | 3.467   | 0.5 | 0.06 | 1.1  | Surcharge d |
| No Delay (18) PorousUnderImp BusDropoffA-SW13         | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | No Delay | Porous Under Imp Bus Drop Off a  | SW13            |         | 108.546 | 0.009 | 18.827  | 0.0 |      | 2.7  |             |
| Pipe (24) PorousParking02-SW11                        | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | Pipe     | Porous Parking 02                | SW11            | 109.697 | 109.182 | 0.069 | 11.620  | 0.5 | 0.04 | 2.1  | OK          |
| Pipe (25) BR03 Underdrain                             | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer | Pipe     | Bioretention 03                  | SW12            | 109.616 | 109.512 | 0.043 | 23.915  | 0.8 | 0.05 | 1.6  | Flood Risk  |
| Pipe (26) BR02 Underdrain                             | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 360 mins: Winter | Pipe     | Bioretention 02                  | SW12            | 109.635 | 109.492 | 0.035 | 17.490  | 0.5 | 0.02 | 1.1  | Flood Risk  |
| Pipe (27) BR05 Underdrain                             | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 60 mins: Summer  | Pipe     | Bioretention 05                  | SW14            | 108.697 | 108.524 | 0.067 | 3.920   | 0.2 | 0.02 | 1.3  | Surcharge d |
| Pipe (28) BR06 Underdrain                             | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer | Pipe     | Bioretention 06                  | SW14            | 109.431 | 108.585 | 0.150 | 13.815  | 0.1 | 0.01 | 1.1  | Surcharge d |
| No Delay (20) PorousParking03-SW15                    | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 60 mins: Summer  | No Delay | Porous Parking 03                | SW15            |         | 107.609 | 0.010 | 4.010   | 0.0 |      | 1.2  |             |
| No Delay (21) PorousUnderImp AccessRd07-SW15          | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | No Delay | Porous Under Acces Road 07       | SW15            |         | 107.360 | 0.017 | 13.460  | 0.0 |      | 2.0  |             |
| No Delay (23) PorousPaving09-SW18                     | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | No Delay | Porous Paving 09                 | SW18            |         | 109.368 | 0.016 | 10.367  | 0.0 |      | 1.6  |             |
| Pipe (31) SW09-TANK1                                  | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer | Pipe     | SW09 Cellular Storage Under MUGA |                 | 109.064 | 106.788 | 0.225 | 281.744 | 2.5 | 0.68 | 45.7 | Surcharge d |
| No Delay (26)                                         | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 60 mins: Summer  | No Delay | Porous Paving 11a                | SW07            |         | 109.098 | 0.010 | 2.653   | 0.0 |      | 0.8  |             |
| No Delay (29) PorousUnderImp AccessRd02-SW11          | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | No Delay | Porous Under Imp Acces Road 02   | SW11            |         | 109.155 | 0.017 | 23.814  | 0.0 |      | 3.4  |             |
| No Delay (30) PorousUnderImp AccessRd02a-BR02         | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | No Delay | Porous Under Imp Acces Road 02a  | Bioretention 02 |         | 109.005 | 0.013 | 9.279   | 0.0 |      | 1.8  |             |
| No Delay (31) PorousUnderImp AccessRd03-SW12viaPPCP15 | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 60 mins: Summer  | No Delay | Porous Under Imp Acces Road 03   | SW12            |         | 108.985 | 0.012 | 4.700   | 0.0 |      | 1.5  |             |
| No Delay (25) PorousUnderImp AccessRd04-SW14          | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | No Delay | Porous Under Imp Acces Road 04   | SW14            |         | 107.342 | 0.014 | 14.022  | 0.0 |      | 2.0  |             |
| No Delay (6) PorousPaving07-SW19                      | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 240 mins: Summer | No Delay | Porous Paving 07                 | SW19 FC         |         | 109.028 | 0.008 | 17.989  | 0.0 |      | 1.7  |             |
| No Delay (19) PorousUnderImp AccessRd06-SW15          | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | No Delay | Porous Under Imp Acces Road 06   | SW15            |         | 107.412 | 0.012 | 7.787   | 0.0 |      | 1.5  |             |
| No Delay (27) PorousPaving17a-SW03                    | 05 1% AEP+CCA Flooding Permitted: 100 years: +40 %: 120 mins: Summer | No Delay | Porous Paving 17a                | SW03            |         | 109.320 | 0.017 | 7.314   | 0.0 |      | 1.2  |             |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
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| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |

|                                                           |                                                                             |          |                                    |                                 |         |         |       |         |     |      |      |             |
|-----------------------------------------------------------|-----------------------------------------------------------------------------|----------|------------------------------------|---------------------------------|---------|---------|-------|---------|-----|------|------|-------------|
| Pipe (11) SW15-TANK2                                      | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 240 mins: Summer  | Pipe     | SW15                               | Cellular Storage Under Road     | 108.100 | 106.787 | 0.300 | 324.061 | 1.4 | 0.14 | 36.6 | Surcharge d |
| No Delay (24) PorousPavingMUGA-TANK1                      | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 360 mins: Winter  | No Delay | Porous Paving MUGA                 | Cellular Storage Under MUGA     |         | 108.248 | 0.022 | 68.463  | 0.0 |      | 2.5  |             |
| Pipe (12) TANK1-SW17                                      | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 360 mins: Summer  | Pipe     | Cellular Storage Under MUGA        | SW17                            | 108.455 | 106.888 | 0.300 | 74.457  | 0.7 | 0.41 | 26.3 | Surcharge d |
| Pipe (13) SW17-SW18                                       | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 360 mins: Summer  | Pipe     | SW17                               | SW18                            | 109.661 | 106.888 | 0.300 | 83.591  | 0.7 | 0.44 | 27.8 | Surcharge d |
| Pipe (14) SW18-SW19                                       | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 360 mins: Summer  | Pipe     | SW18                               | SW19 FC                         | 109.652 | 106.888 | 0.300 | 121.770 | 0.9 | 0.52 | 33.0 | Surcharge d |
| No Delay (32) PorousPaving04c-BR04                        | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 60 mins: Summer   | No Delay | Porous Paving 04c                  | Bioretention 04                 |         | 107.348 | 0.016 | 1.885   | 0.0 |      | 0.9  |             |
| No Delay (17) PorousUnderImpBusDropoffB-SW13              | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 240 mins: Summer  | No Delay | Porous Under Imp Bus Drop Off b    | SW13                            |         | 107.300 | 0.014 | 13.413  | 0.0 |      | 1.2  |             |
| Pipe (23) BioRet04 Underdrain                             | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 480 mins: Summer  | Pipe     | Bioretention 04                    | SW13                            | 107.606 | 107.431 | 0.150 | 6.434   | 0.9 | 0.02 | 0.4  | Flood Risk  |
| Pipe (33) PorousPavingMUGA(TennisCourts)-SW23             | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 60 mins: Summer   | Pipe     | Porous Paving MUGA (Tennis Courts) | SW23 FC                         | 112.046 | 111.542 | 0.150 | 7.746   | 0.6 | 0.16 | 2.3  | Surcharge d |
| Pipe (34) Sw23-24                                         | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 480 mins: Summer  | Pipe     | SW23 FC                            | SW24                            | 111.750 | 111.633 | 0.020 | 66.095  | 1.2 | 0.1  | 1.4  | Flood Risk  |
| Pipe SW01-SW01A                                           | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 240 mins: Summer  | Pipe     | SW01                               | SW01a                           | 109.665 | 108.696 | 0.042 | 5.559   | 0.4 | 0.1  | 1.7  | OK          |
| Pipe (36) SW01A-SW02                                      | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 240 mins: Summer  | Pipe     | SW01a                              | SW02                            | 109.673 | 108.471 | 0.052 | 47.077  | 1.1 | 0.24 | 5.9  | OK          |
| Pipe (35) Sw24-SW01a                                      | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 480 mins: Summer  | Pipe     | SW24                               | SW01a                           | 110.410 | 109.679 | 0.032 | 66.072  | 1.1 | 0.08 | 1.4  | OK          |
| Pipe (38) SW20-SW21                                       | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 1440 mins: Summer | Pipe     | SW20                               | SW21                            | 107.650 | 104.023 | 0.053 | 688.309 | 0.9 | 0.26 | 5.0  | OK          |
| Pipe (39) SW21-SW22                                       | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 1440 mins: Summer | Pipe     | SW21                               | SW22                            | 104.950 | 103.762 | 0.052 | 688.193 | 0.9 | 0.25 | 5.0  | OK          |
| Pipe (40) SW22-ExSW08                                     | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 1440 mins: Summer | Pipe     | SW22                               | EX.SW08 Infants&Nursery         | 104.700 | 103.513 | 0.052 | 688.102 | 0.9 | 0.25 | 5.0  | OK          |
| Pipe (30) TANK2-SW19                                      | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 120 mins: Winter  | Pipe     | Cellular Storage Under Road        | SW19 FC                         | 108.000 | 106.515 | 0.300 | 0.000   | 0.1 | 0.12 | 7.5  | Surcharge d |
| Pipe (29) SW16-SW19                                       | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 240 mins: Summer  | Pipe     | SW16                               | SW19 FC                         | 109.650 | 108.654 | 0.053 | 17.312  | 0.9 | 0.27 | 5.3  | OK          |
| Pipe (32) ExSWMH49-SW12A                                  | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15 mins: Summer   | Pipe     | Ex SWMH49                          | SW12A                           | 110.474 | 109.365 | 0.072 | 5.499   | 1.5 | 0.54 | 12.3 | OK          |
| Pipe (41) SW12A-SW12viaPPCP15                             | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15 mins: Summer   | Pipe     | SW12A                              | SW12                            | 109.800 | 108.944 | 0.054 | 5.499   | 2.1 | 0.3  | 12.1 | OK          |
| No Delay (2) PorousPaving04b-BR04                         | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 60 mins: Summer   | No Delay | Porous Paving 04b                  | Bioretention 04                 |         | 107.967 | 0.016 | 1.880   | 0.0 |      | 0.9  |             |
| No Delay (22) PorousPaving04a - PorousUnderImpBusDropoffA | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 30 mins: Summer   | No Delay | Porous Paving 04a                  | Porous Under Imp Bus Drop Off a |         | 108.786 | 0.015 | 2.292   | 0.0 |      | 1.2  |             |
| Pipe (37) SW19 FC Outfall                                 | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 1440 mins: Summer | Pipe     | SW19 FC                            | Simple Junction                 | 109.612 | 107.021 | 0.065 | 688.577 | 0.7 | 0.34 | 5.0  | Surcharge d |
| Pipe (37) (1) SW19 FC Outfall                             | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 1440 mins: Summer | Pipe     | Simple Junction                    | SW20                            | 109.400 | 105.520 | 0.061 | 688.424 | 0.7 | 0.34 | 5.0  | OK          |
| Pipe (41) SW19 Overflow                                   | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15 mins: Summer   | Pipe     | SW19 FC                            | Simple Junction                 | 109.612 | 105.726 | 0.029 | 0.000   | 0.0 | 0    | 0.0  | Surcharge d |
| Pipe (42) BR01 Overflow                                   | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15 mins: Summer   | Pipe     | Bioretention 01                    | SW10                            | 109.631 | 109.463 | 0.011 | 0.000   | 0.0 | 0    | 0.0  | OK          |

|                                                                                                                            |  |                                                                                                                 |                           |                                                                                     |                            |
|----------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|----------------------------|
| 036830 Mercia Academy :<br>DfE - SRP1168 - Stage 5<br>Sunnyside, Newhall<br>Swadlincote DE11 0TL                           |  | Date:<br>18/03/2026                                                                                             |                           |  |                            |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: Mercia New Building to Bretby Rd_Surface_Stage5_LLFA Planning |  | Designed by:<br>A Jones                                                                                         | Checked by:<br>P Southern |                                                                                     | Approved By:<br>P Southern |
|                                                                                                                            |  | Kier Design & Engineering Services:<br>Kier House, 4 Windward Drive<br>Estuary Park, Speke<br>Liverpool L24 8QR |                           |                                                                                     |                            |

|                                           |                                                                               |          |                      |                    |         |         |       |        |     |      |     |            |
|-------------------------------------------|-------------------------------------------------------------------------------|----------|----------------------|--------------------|---------|---------|-------|--------|-----|------|-----|------------|
| Pipe (43) BR02<br>Overflow                | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 240<br>mins: Summer | Pipe     | Bioretention<br>02   | SW12               | 109.635 | 109.494 | 0.035 | 0.638  | 0.2 | 0.01 | 0.4 | Flood Risk |
| Pipe (44) BR03<br>Overflow                | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 240<br>mins: Summer | Pipe     | Bioretention<br>03   | SW12               | 109.616 | 109.512 | 0.042 | 4.519  | 0.7 | 0.09 | 2.2 | Flood Risk |
| Pipe (45) BR04<br>Overflow                | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 480<br>mins: Summer | Pipe     | Bioretention<br>04   | SW13               | 107.606 | 107.431 | 0.100 | 2.015  | 0.1 | 0.03 | 0.6 | Flood Risk |
| Pipe (46) BR05<br>Overflow                | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer  | Pipe     | Bioretention<br>05   | SW14               | 108.697 | 108.533 | 0.049 | 0.000  | 0.0 | 0    | 0.0 | OK         |
| Pipe (47) BR06<br>Overflow                | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer  | Pipe     | Bioretention<br>06   | SW14               | 109.431 | 109.258 | 0.049 | 0.000  | 0.0 | 0    | 0.0 | OK         |
| Pipe (48) BR07<br>Overflow                | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer  | Pipe     | Bioretention<br>07   | SW08               | 109.628 | 109.488 | 0.028 | 0.005  | 0.0 | 0    | 0.0 | Flood Risk |
| Pipe (49) BR08<br>Overflow                | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer  | Pipe     | Bioretention<br>08   | SW06               | 109.621 | 109.484 | 0.041 | 0.000  | 0.0 | 0    | 0.0 | OK         |
| Pipe (50) BR09<br>Overflow                | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer  | Pipe     | Bioretention<br>09   | SW07               | 109.522 | 109.370 | 0.013 | 0.000  | 0.0 | 0    | 0.0 | OK         |
| Pipe (51) BR10<br>Overflow                | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 15<br>mins: Summer  | Pipe     | Bioretention<br>10   | SW07               | 109.433 | 109.260 | 0.013 | 0.000  | 0.0 | 0    | 0.0 | OK         |
| Pipe (52) BR11<br>Overflow                | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 240<br>mins: Summer | Pipe     | Bioretention<br>11   | SW02               | 109.671 | 109.550 | 0.046 | 10.392 | 0.7 | 0.03 | 2.0 | Flood Risk |
| No Delay (11)<br>PorousParking01-<br>BR11 | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 120<br>mins: Summer | No Delay | Porous<br>Parking 01 | Bioretention<br>11 |         | 109.480 | 0.014 | 23.093 | 0.0 |      | 2.9 |            |
| No Delay (28)<br>PorousPaving19-<br>BR11  | 05 1% AEP+CCA<br>Flooding Permitted:<br>100 years: +40 %: 60<br>mins: Summer  | No Delay | Porous<br>Paving 19  | Bioretention<br>11 |         | 109.399 | 0.007 | 2.622  | 0.0 |      | 0.8 |            |