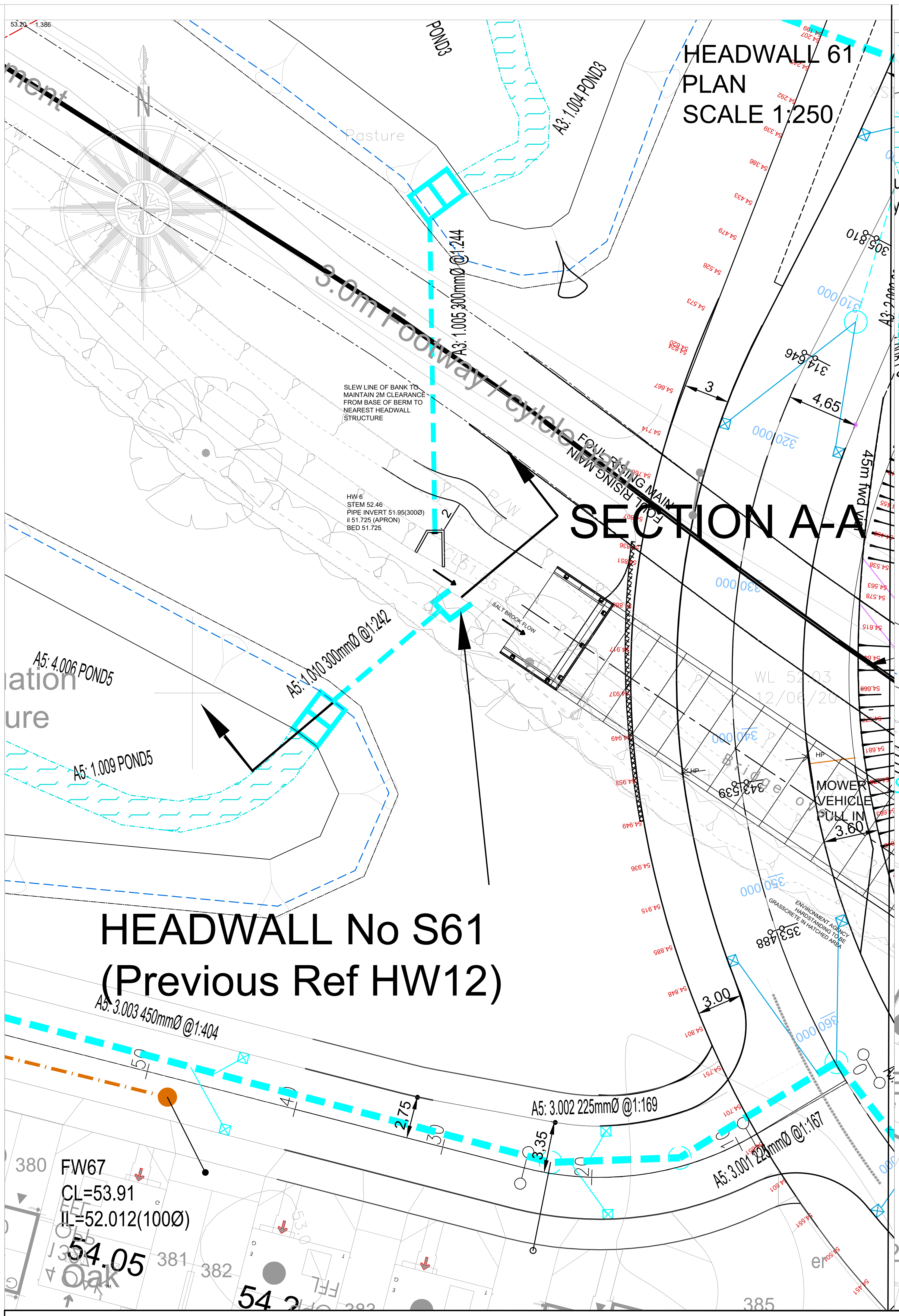
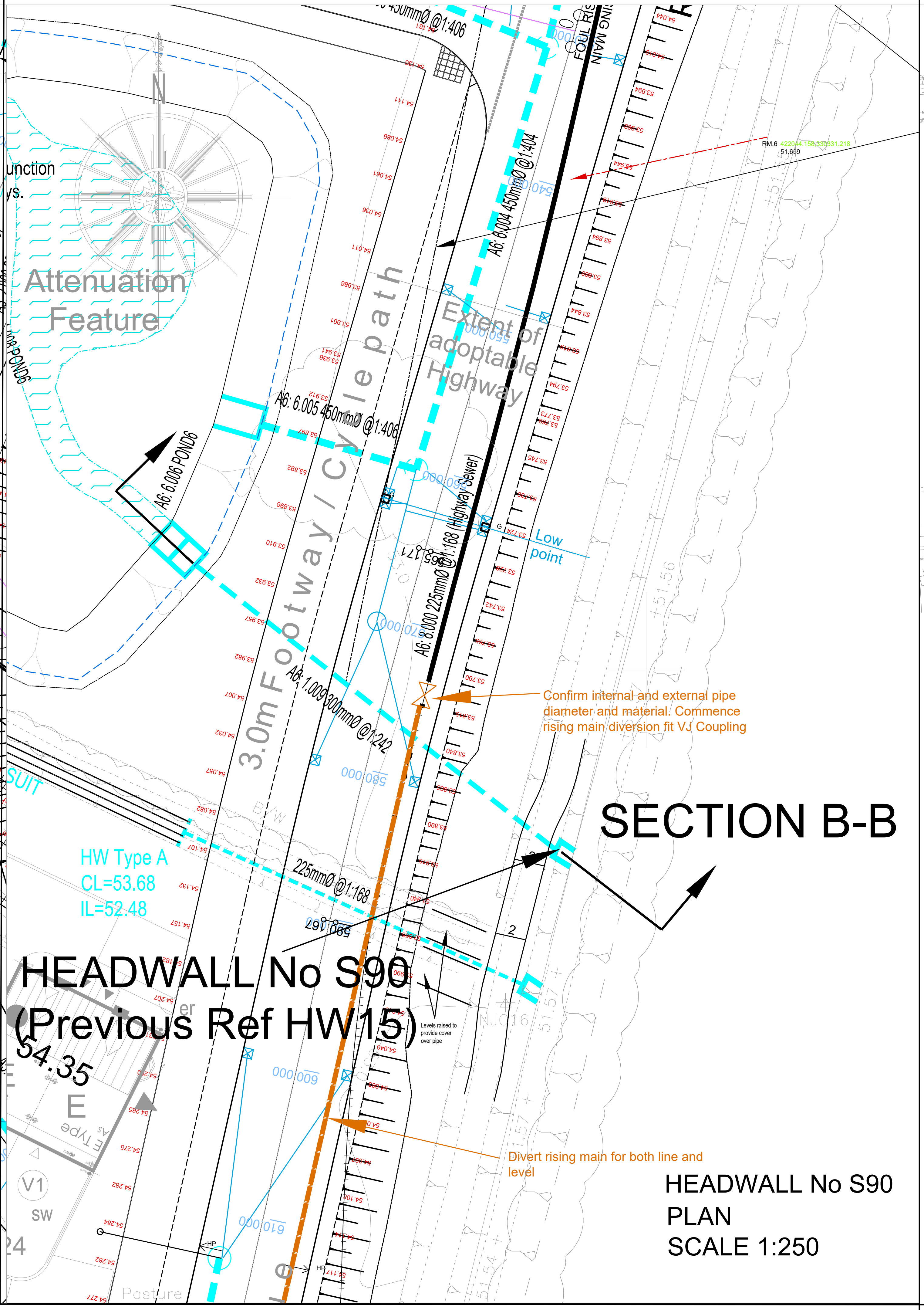

HEADWALL 61
PLAN
SCALE 1:250

SLEW LINE OF BANK TO MAINTAIN 2M CLEARANCE FROM BASE OF BERM TO NEAREST HEADWALL STRUCTURE

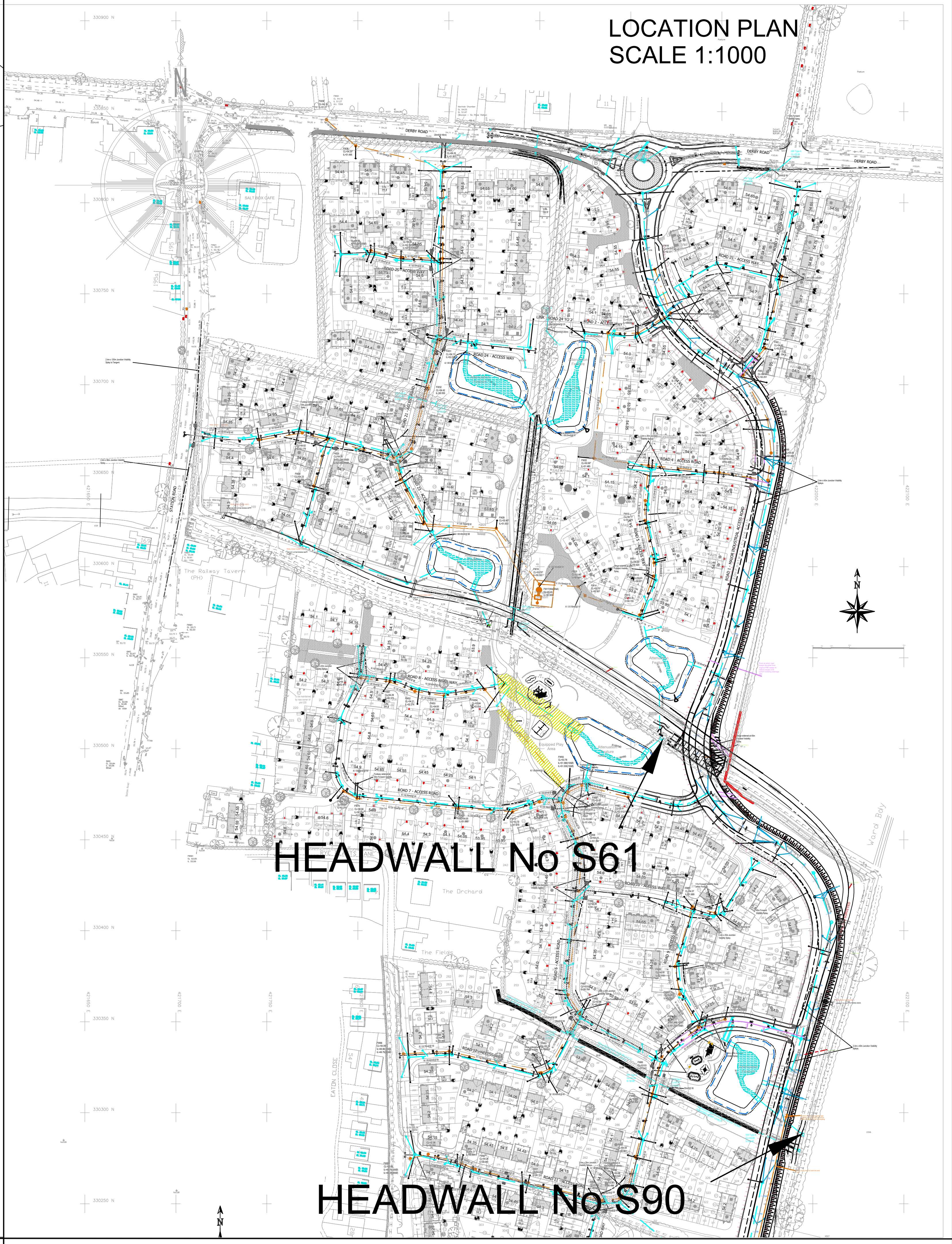
HW 6
STEM 52.46
PIPE INVERT 51.95(300Ø)
il 51.725 (APRON)
BED 51.725

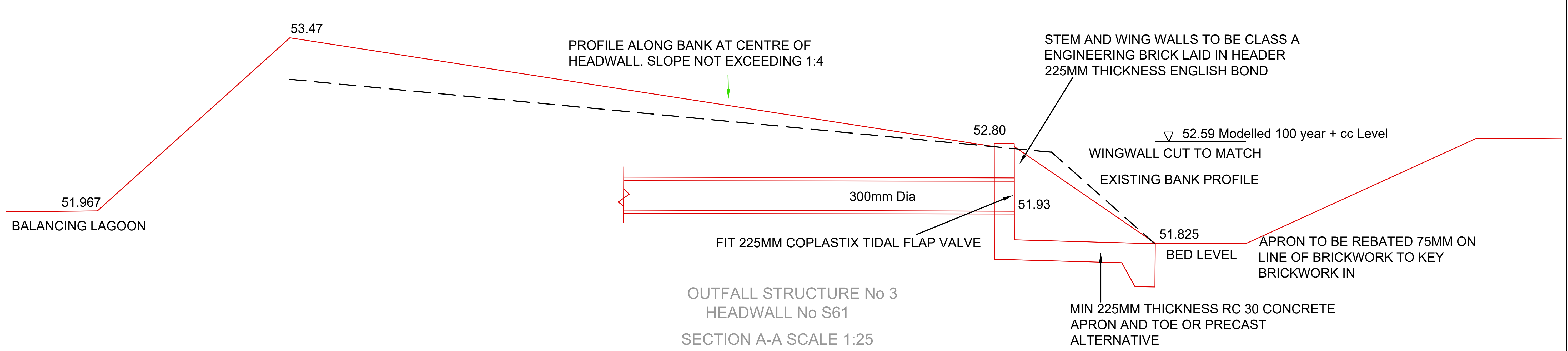

HEADWALL No S90
PLAN
SCALE 1:250

Confirm internal and external pipe diameter and material. Commence rising main diversion fit VJ Coupling

Divert rising main for both line and level

Levels raised to provide cover over pipe


LOCATION PLAN
SCALE 1:1000


PROFILE ALONG BANK AT CENTRE OF HEADWALL. SLOPE NOT EXCEEDING 1:4

STEM AND WING WALLS TO BE CLASS A ENGINEERING BRICK LAID IN HEADER 225MM THICKNESS ENGLISH BOND

WINGWALL CUT TO MATCH

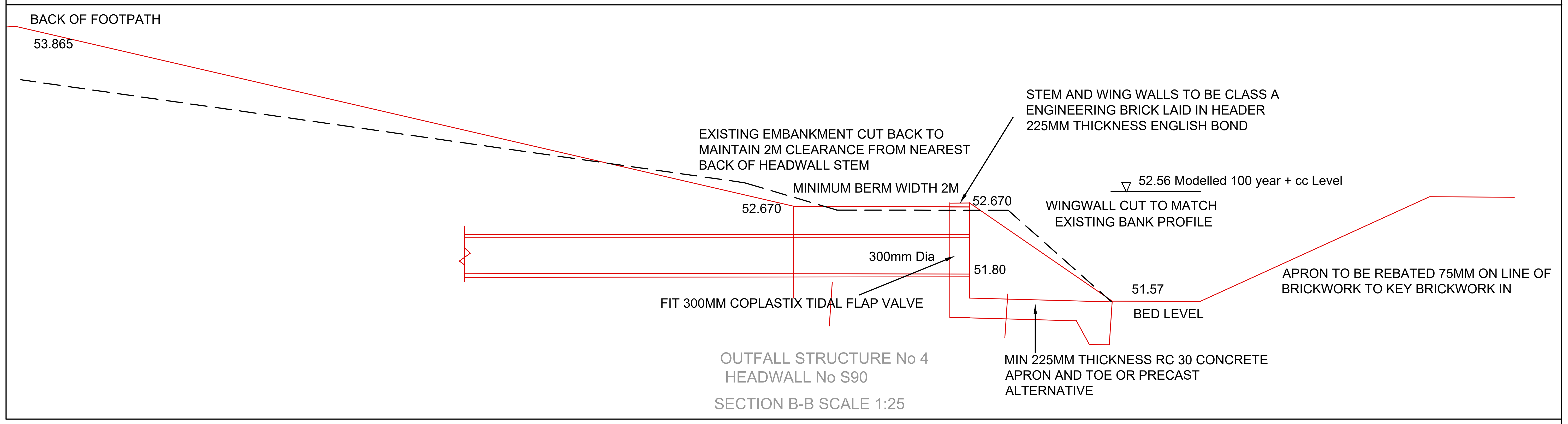
EXISTING BANK PROFILE

FIT 225MM COPLASTIX TIDAL FLAP VALVE

APRON TO BE REBATED 75MM ON LINE OF BRICKWORK TO KEY BRICKWORK IN

MIN 225MM THICKNESS RC 30 CONCRETE APRON AND TOE OR PRECAST ALTERNATIVE

OUTFALL STRUCTURE No 3
HEADWALL No S61
SECTION A-A SCALE 1:25


EXISTING EMBANKMENT CUT BACK TO MAINTAIN 2M CLEARANCE FROM NEAREST BACK OF HEADWALL STEM

STEM AND WING WALLS TO BE CLASS A ENGINEERING BRICK LAID IN HEADER 225MM THICKNESS ENGLISH BOND

MINIMUM BERM WIDTH 2M

WINGWALL CUT TO MATCH EXISTING BANK PROFILE

FIT 300MM COPLASTIX TIDAL FLAP VALVE

APRON TO BE REBATED 75MM ON LINE OF BRICKWORK TO KEY BRICKWORK IN

MIN 225MM THICKNESS RC 30 CONCRETE APRON AND TOE OR PRECAST ALTERNATIVE

OUTFALL STRUCTURE No 4
HEADWALL No S90
SECTION B-B SCALE 1:25

EPB11 APPLICATION STRUCTURES

Structure	Location	Co-ordinates	Invert level (m)	Design Footway	Existing Ground	Depth	Headwall type	Pipe dia (mm)	Overall Ditch width (m)	Construction Notes
3	HEADWALL S61	E421966 N330505	51.930	N/A	52.560	0.735	A	300	N/A	OUTFALL TO WATERCOURSE
4	HEADWALL S90	E422044 N330288	51.800	N/A	52.480	0.755	A	300	N/A	OUTFALL TO WATERCOURSE

Method statement notes

Detailed method statement to follow once a contractor has been appointed

1. All works to be supervised by competent and trained individual (typically SSSTS or SMSTS certified) - It is supervisors responsibility to brief and ensure permits are in place
2. Work area should be prepared so works can be undertaken with no obstructions
3. Area marked out by competent person and defined fencing placed encompassing the works (pedestrian type barrier up to 1m excavation depth, double clipped heras thereafter)
4. Over pumping pipe work to be installed and laid to agreed area (fenced off where possible to minimise risk of slips and trips) - Pipework should not encroach on pedestrian footpaths/vehicle haul routes
5. Sump to be installed and pumping to commence. Generators to be stored 10m from existing watercourse and should be positioned on a drip tray - All refueling carried out 10m away from watercourse
6. Spills kits should be readily available
7. Establish the area for excavation via paint or wooden pegs - Competent and trained person to scan area for utilities and follow contractors permit to dig procedures
8. Assuming it is safe to break ground, using a 360 excavator carry out the excavation (culvert/new ditch/reshaping of existing ditch profile) whilst a competent banksman is present
9. Excavation arising's to be cleared via forward tipping dumper
10. Form concrete bed for culvert and headwall to sit on

11. Be aware of risk of unsupported trenches, contractor and site teams to confirm particular requirements. Alternatively if there is adequate working space, step the excavation 45° using 1m steps
12. Any pipe culverts required should be placed close to the zone of work prior to work by the contractor/delivery company - Falls from height to be considered during unloading
13. Lift culverts into place using Excavator (associated lifting equipment to be inspected by competent person and certificated) - Lifting operations carried out by competent slinger/signaler Any operatives not required during the lift should vacate the area
14. Paving slabs placed as per arrangement shown
15. Fill the inside of the culvert to false bed level stipulated on this drawing
16. Brick headwall to be constructed
17. Backfill headwall and culvert - Ensure no debris is left in work area prior to removing over-pumping facility

rev	description	date	initial
C	Updates following EA Comments	02/09/22	CJO
B	Updates following EA Comments	17/08/22	CJO
A	Updates following site meeting	12/08/22	CJO

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Managing Director
Stephen W Daykin I.Eng MICE MCIHT

client
Bellway

project
Proposed residential development at
Derby Road Hatton

title
OUTFALL HEADWALL
DETAILS (SHEET 2)

drawn CJO
date
scale AS SHOWN
size A1

smas worksafe consultant as recognised by SSIP SAFETY SCHEMES IN PROCUREMENT

purpose of issue

dwg no. E795-50
rev. C