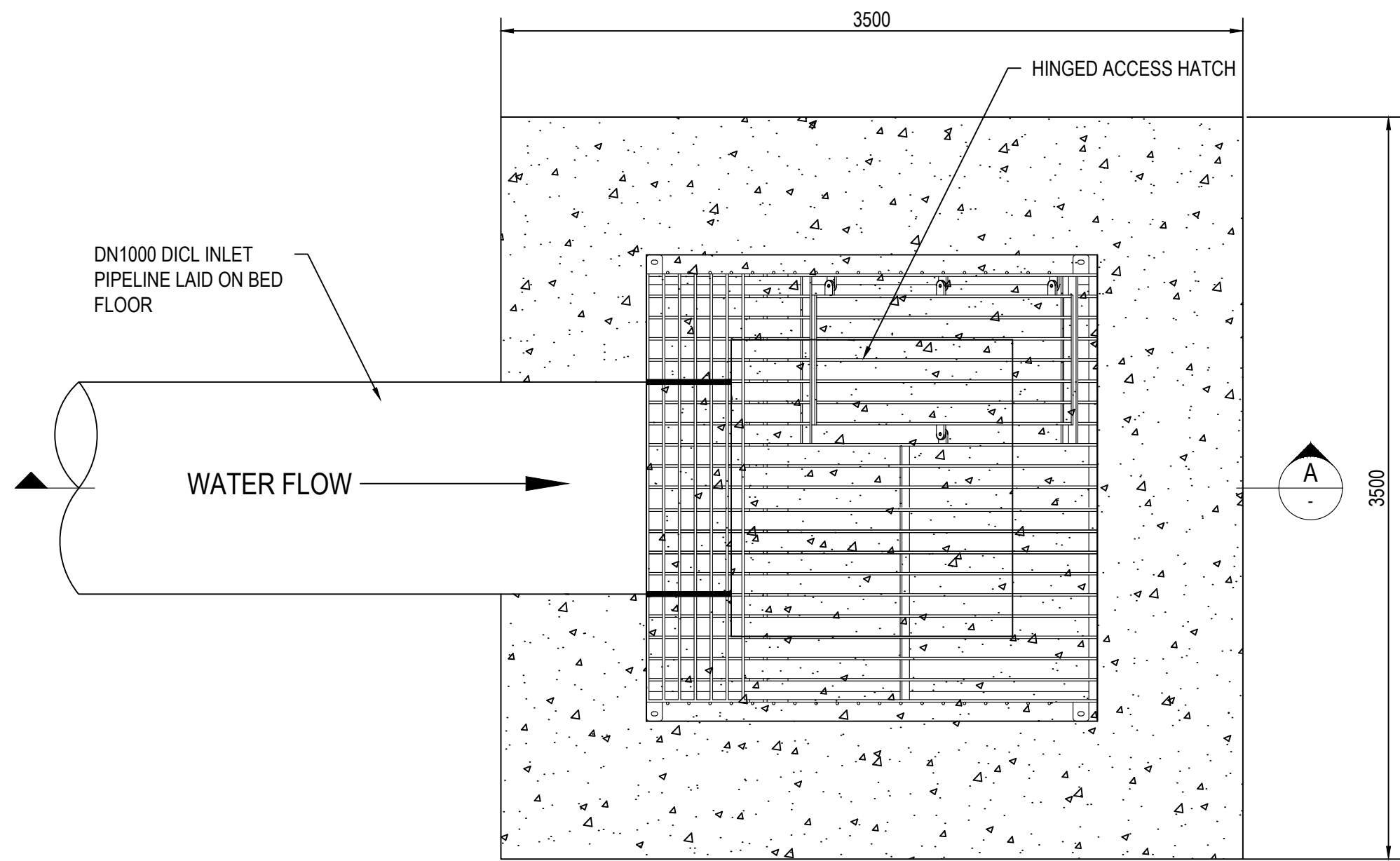
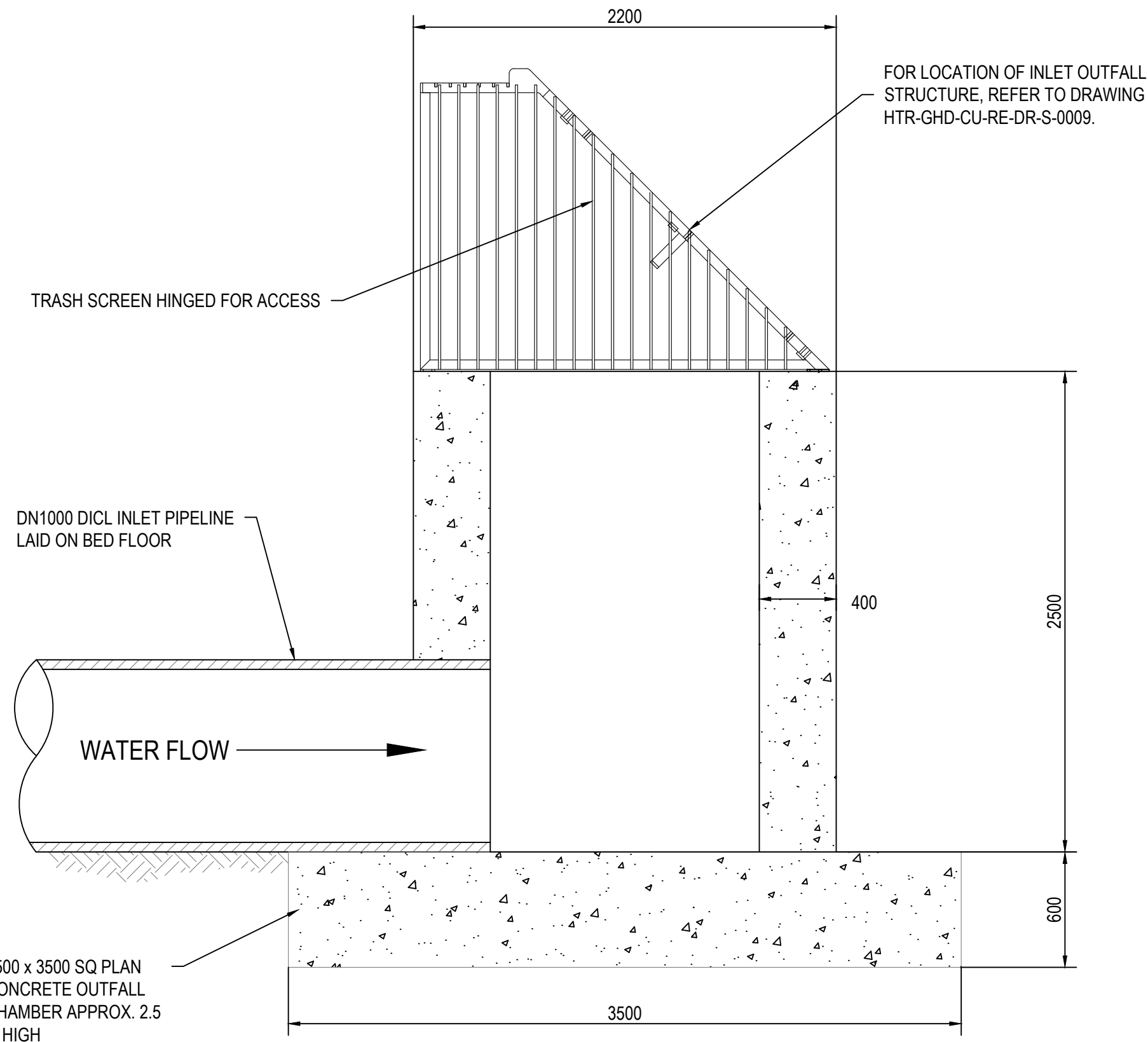
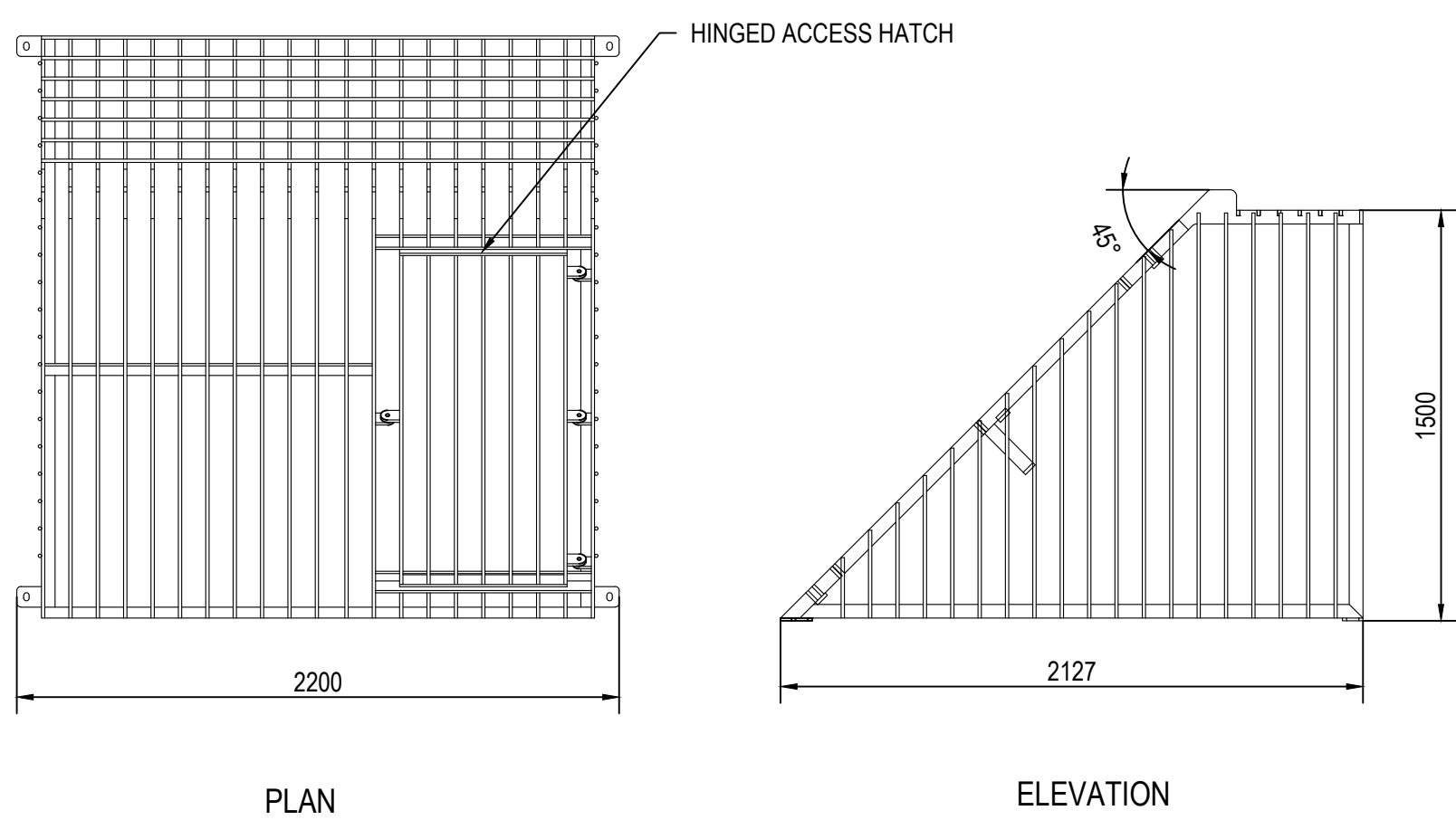




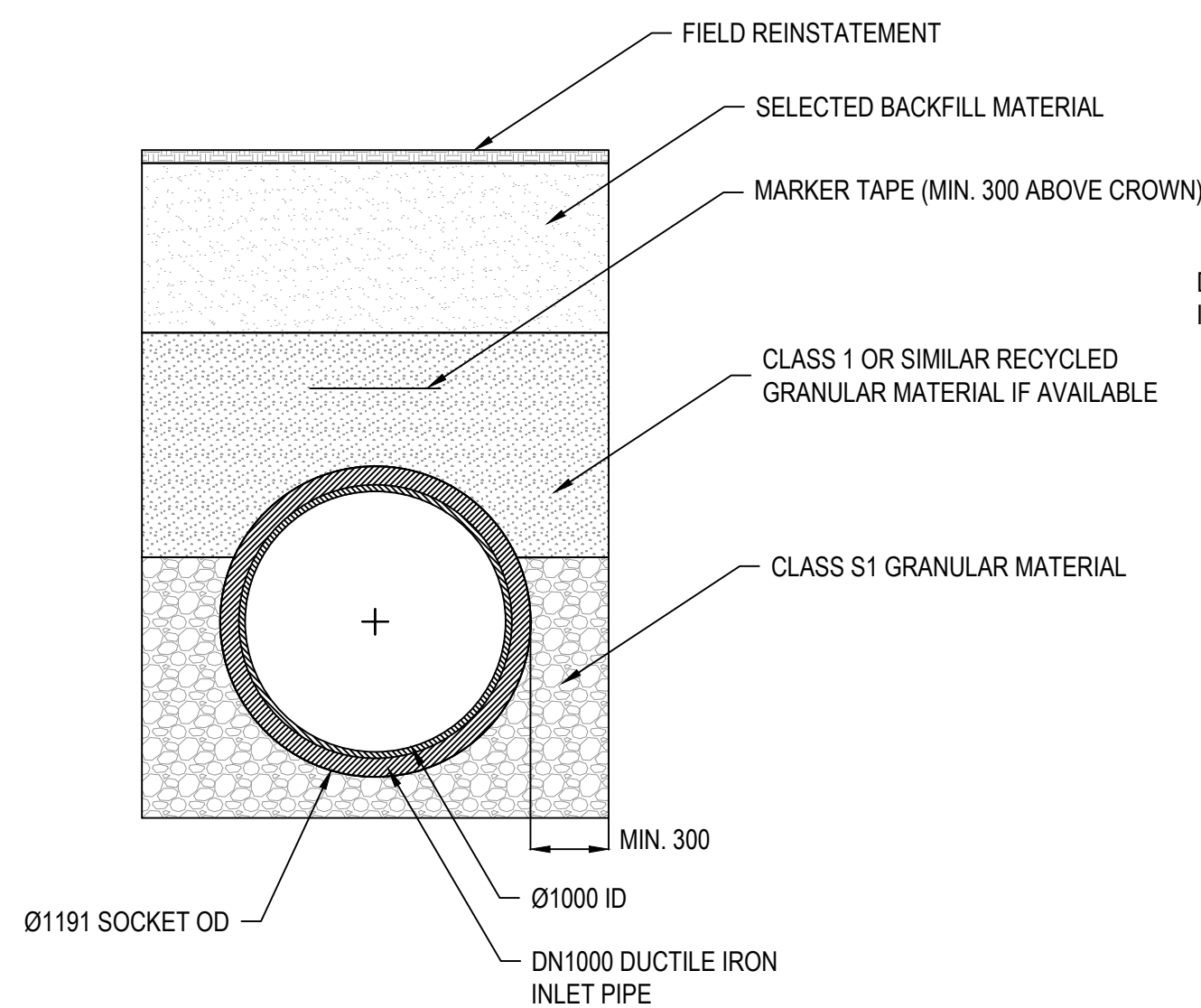
1 INLET OUTFALL STRUCTURE - PLAN
DR-S-0004 NTS



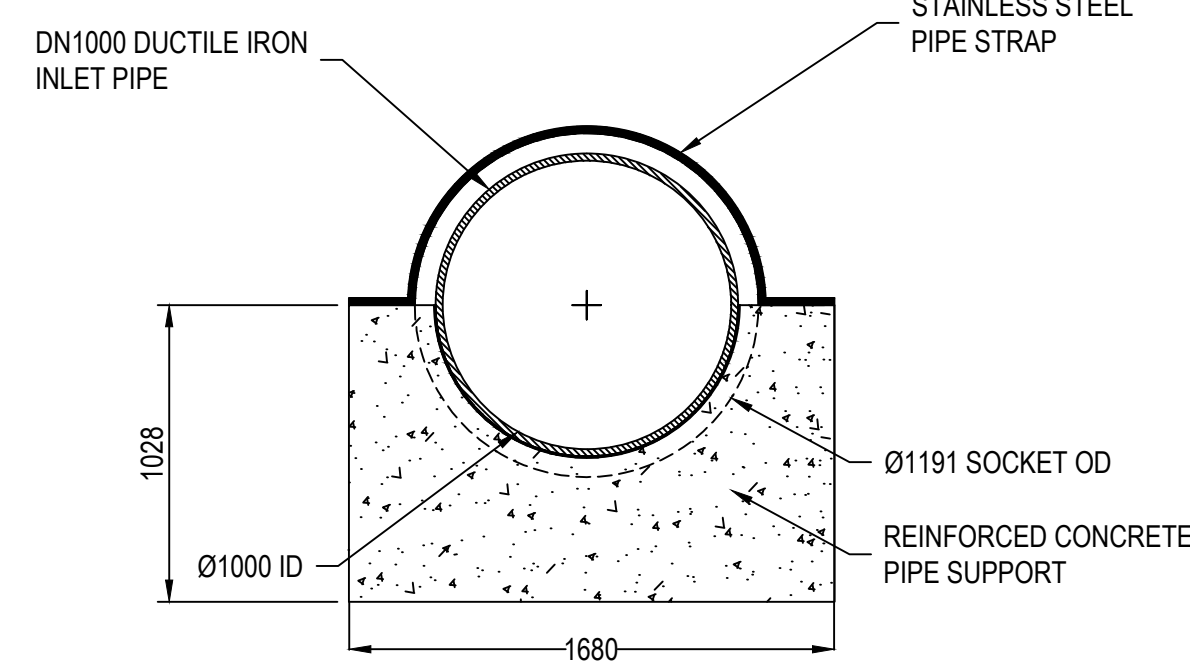
A INLET OUTFALL STRUCTURE SECTION A-A
NTS



2 TYPICAL TRASH SCREEN DETAILS
DR-S-0004 NTS



3 INLET PIPELINE: TYPICAL TRENCH DETAIL
DR-S-0004 NTS



4 HTR RESERVOIR PLINTH SUPPORTS
DR-S-0004 NTS

- GENERAL NOTES
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE (UNO).
 - ALL LEVELS ARE IN METRES TO ORDANCE DATUM UNO.
- INLET OUTFALL STRUCTURE GUIDANCE NOTES
- STRUCTURE MEMBER WIDTHS OF OUTFALL STRUCTURE INDICATIVE ONLY AND TO BE CONFIRMED AT DETAILED DESIGN.
 - ARRANGEMENT HAS BEEN BASED ON INLET PIPELINE TO BE LAID ON FINISHED FLOOR SURFACE AT OUTFALL LOCATION
 - HEIGHT OF OUTFALL TO BE > 2.5 m ABOVE THE FINISHED FLOOR LEVEL OF RESERVOIR TO AVOID SILTATION AND SEDIMENT BUILD UP AROUND OUTFALL.
 - DO NOT SCALE FROM THIS DRAWING. IF IN DOUBT, CONSULT THE ENGINEER.
 - INDICATIVE ARRANGEMENT SHOWN ONLY. FINAL ARRANGEMENT TO BE CONFIRMED AT DETAILED DESIGN.
- PIPEWORK GUIDANCE NOTES:
- PIPE EMBEDMENT DESIGN TO BS EN 1295. EMBEDMENT AND BACKFILLING DETAILS SHALL BE IN ACCORDANCE WITH CESWI 7th AND WIS 4-08-02.
 - PIPES SHALL BE LAID ON A BEDDING MATERIAL WHICH WILL PROVIDE EVEN CONTINUOUS SUPPORT. JOINT HOLES SHALL BE FORMED IN THE BEDDING MATERIAL TO ENSURE THAT EACH PIPES IS UNIFORMLY SUPPORTED THROUGHOUT THE LENGTH OF ITS BARREL AND TO ENABLE THE JOINT TO BE MADE.
 - MARKER TAPE SHALL BE PLACED 300mm ABOVE PIPE CROWN.
 - COMPACTION PLANT USED SHALL BE APPROPRIATE FOR USE IN LIMITED ACCESS WIDTHS BETWEEN PIPE AND TRENCH WALL.
 - BACKFILL SHALL BE PLACED IN LAYERS NOT MORE THAN 100mm AND NOT LESS THAN 75mm THICK AND COMPACTED.
 - BACKFILL MATERIAL SHALL COMPLY WITH CLASS A TO D OF THE HAUC SPECIFICATION.
 - MATERIALS SUBJECT TO FROST HEAVE SHALL NOT BE USED WITHIN 450mm OF THE SURFACE.
 - REINSTATEMENT TO HAUC SPECIFICATION.
 - TOPSOIL AND SUBSOIL SHALL BE STRIPPED SEPARATELY REGARDLESS OF THICKNESS. STORED SEPARATELY AND REINSTATED SEPARATELY TO ORIGINAL LEVELS.
 - WHERE GRANULAR BED UTILIZED, CLAY STINKS ARE TO BE PLACED AT MIN 50mm INTERVALS. THESE ARE TO BE 500mm IN LENGTH, EXTENDED BETWEEN THE TRENCH SIDES AND FROM TRENCH BOTTOM TO TOP LEVEL OF GRANULAR BED.

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Rev	Description	Checked	Approved	Date
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Designer	NK			
Drafting Check	NK			
Design Check	KN			

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Client PORTSMOUTH WATER

Project HAVANT THICKET RESERVOIR

Status FOR COORDINATION

Drawing Title INLET OUTFALL STRUCTURE AND PIPING DETAILS

Size A1

Drawing No. HTR-GHD-RZ-RE-DR-C-0004

Rev P01