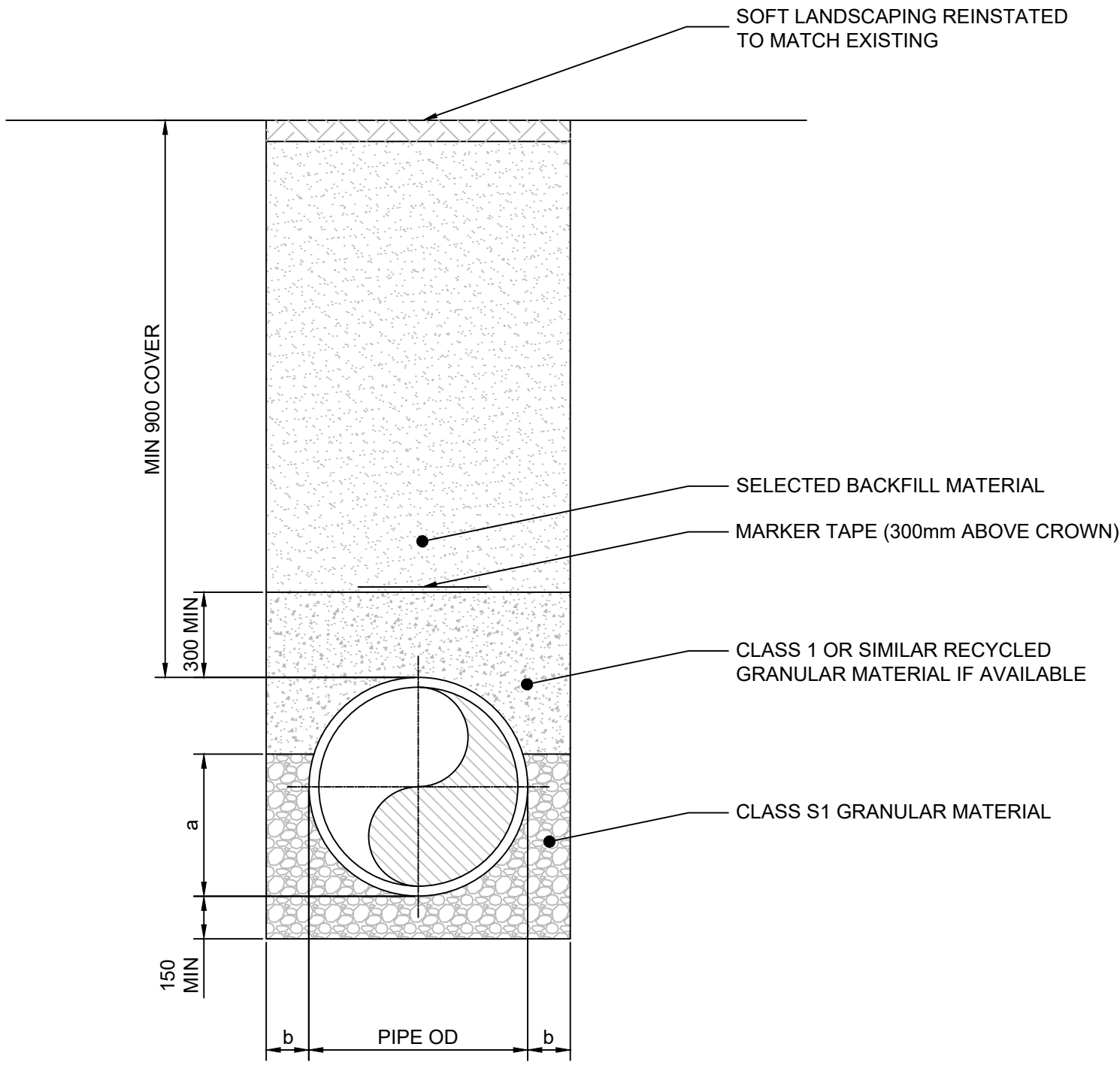
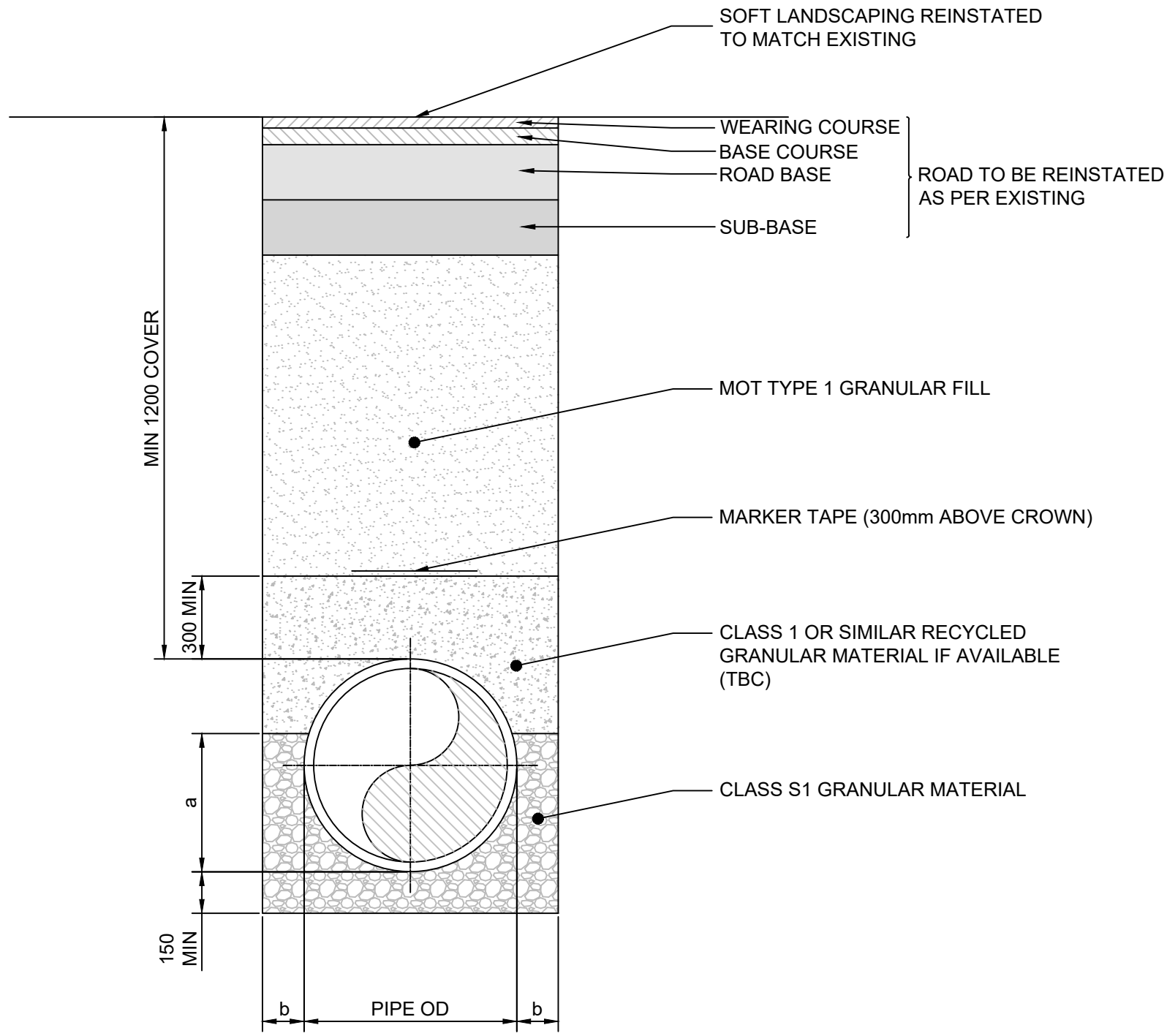


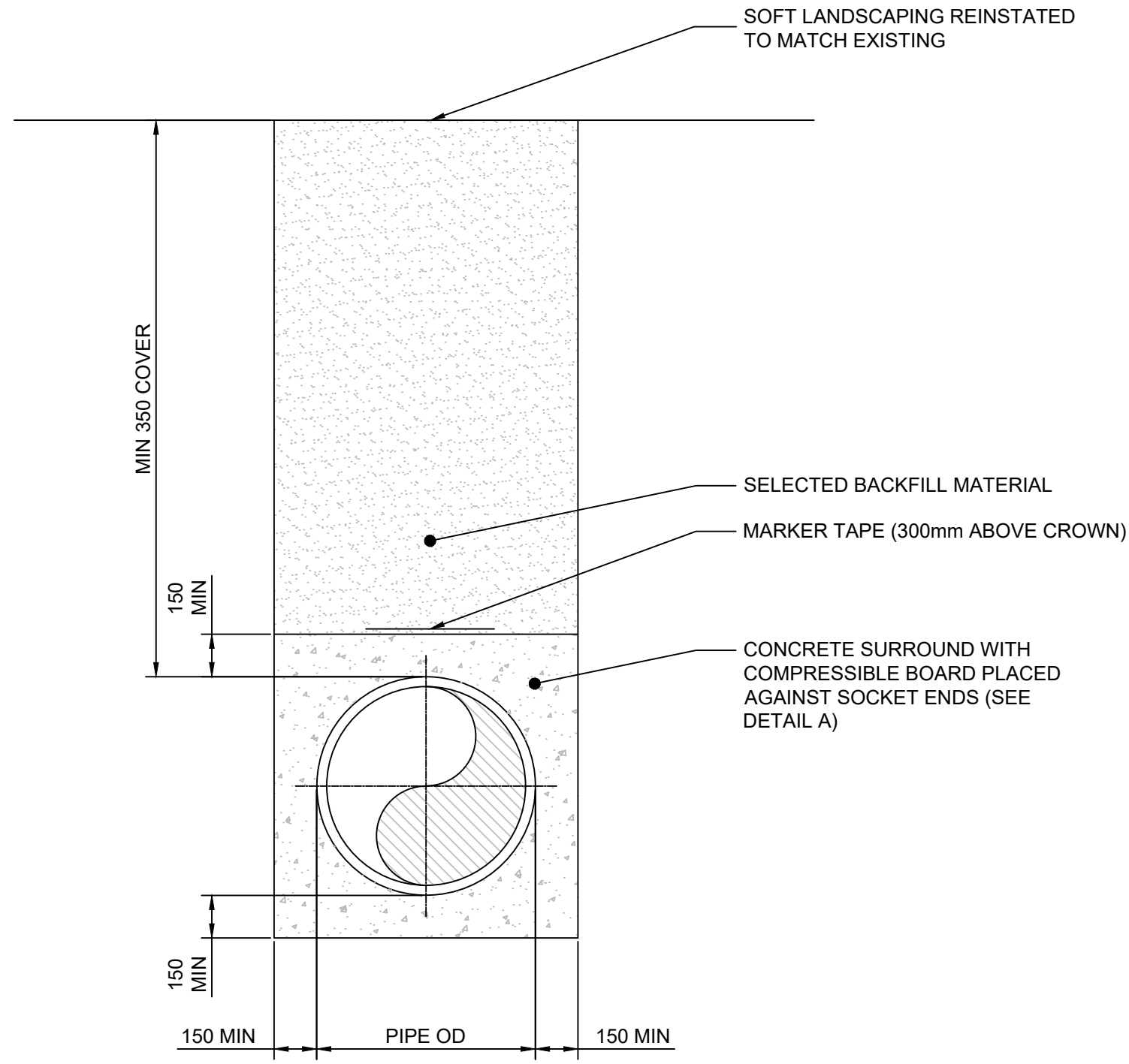
TYPICAL TRENCH CROSS SECTIONS



DUCTILE IRON - FIELD OR ROAD VERGE

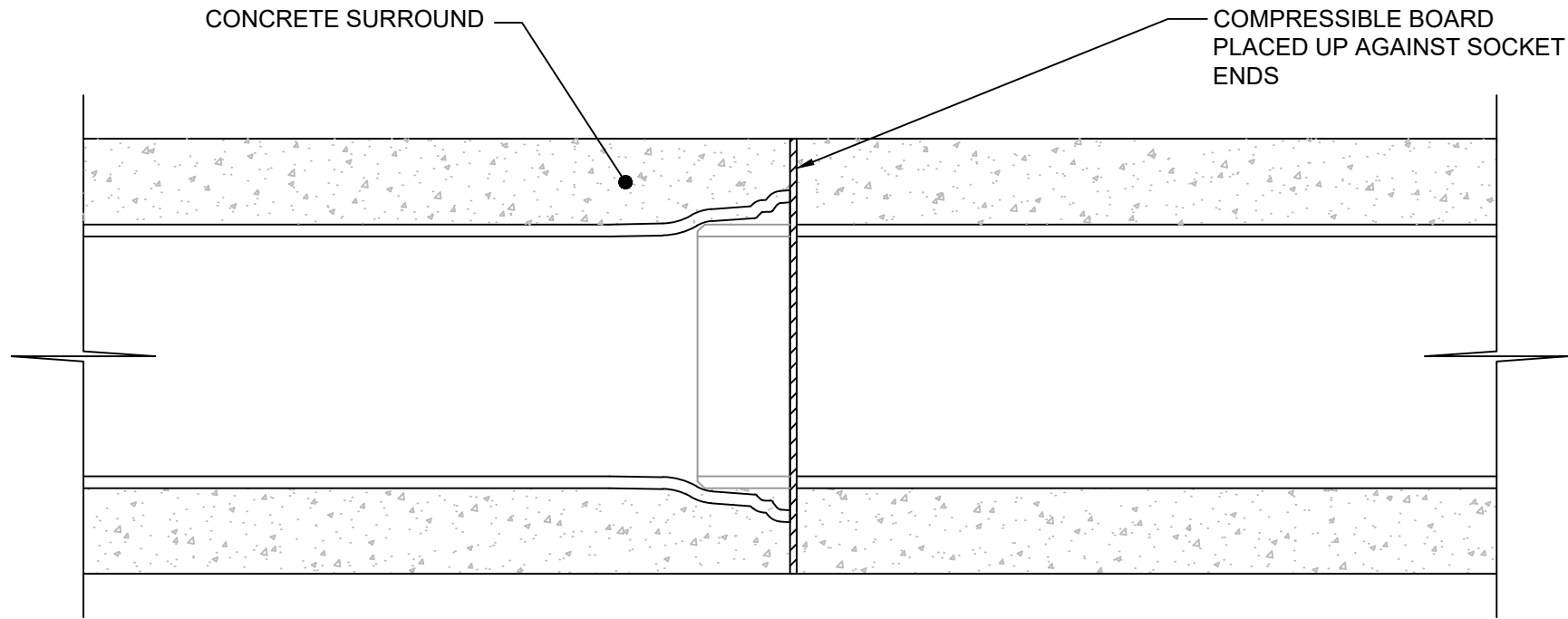


DUCTILE IRON - ROAD - FLEXIBLE CONSTRUCTION



DUCTILE IRON - CONCRETE BED AND SURROUND

SIDEFILL DEPTH		
DN	a	b
700	500	250
1200	850	300



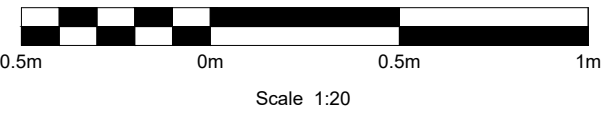
DETAIL A

- NOTES:
- PIPE EMBEDMENT DESIGN TO BS EN 1295. EMBEDMENT AND BACKFILLING DETAILS SHALL BE IN ACCORDANCE WITH CESWI 7th AND WIS 4-09-02.
 - MARKER TAPE SHALL BE PLACED 300mm ABOVE PIPE CROWN.
 - 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 OR 300mm IF UNDER BITUMINOUS SURFACING.
 - REINSTATEMENT TO HAUC SPECIFICATION.
 - EXISTING ROAD CONSTRUCTION TO BE CONFIRMED WITH HIGHWAY AUTHORITY.
 - TOPSOIL AND SUBSOIL SHALL BE STRIPPED SEPARATELY REGARDLESS OF THICKNESS, STORED SEPARATELY AND REINSTATED SEPARATELY TO ORIGINAL LEVELS.
 - WHERE GRANULAR BED UTILIZED, CLAY STAKES ARE TO BE PLACED AT MIN 50m INTERVALS. THESE ARE TO BE 500mm IN LENGTH, EXTEND BETWEEN THE TRENCH SIDES AND FROM TRENCH BOTTOM TO TOP LEVEL OF GRANULAR BED.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/ risks normally associated with the types of work detailed on this drawing, all significant residual risks (moderate to very high) are indicated on the drawing with warning triangles, the risk register, in its entirety, is available on drawings HTR-ATK-ZZ-ZZ-DR-HS-0001 to 0007. The reference numbers shown against each triangle will correlate to risks shown on these schedules.

Environmental Risks are not shown on the drawings and reference should be made to the following Document – HTR-ATK-XX-XX-RP-Z-0069 Outline Environmental



C01	CC	ID	RW	JF	Planning Drawings for Comment	10/08/20
A1						
C02	HD	ID	JF	JF	FOR PLANNING	10/11/20
A1						
Rev. Status	Dm By	Ckd By	Rev By	Auth By	Description	Date

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Drawing Suitability: Initial non-contractual code				Status: A1
Contractors Drawing Number: HTR - ATK - PI - BR - DR - C - 0011				
Telephone: Havant (023) 9249 9888 Fax: Havant (023) 9245 3632 Website: www.portsmouthwater.co.uk Registered Office: PO Box 8 West Street Havant Hampshire PO9 1LG REGISTERED IN ENGLAND No. 2536455				
Project Ref. No: HTR		Sheet: 1 of 1	Scale: AS SHOWN	Sheet Size: A1
Project Title: HAVANT THICKET RESERVOIR				
Drawing Title: BEDHAMPTON TO RESERVOIR PIPELINE TYPICAL PIPELINE CONSTRUCTION PLANNING DETAIL				
Portsouth Water Drawing Number:				Rev: C02