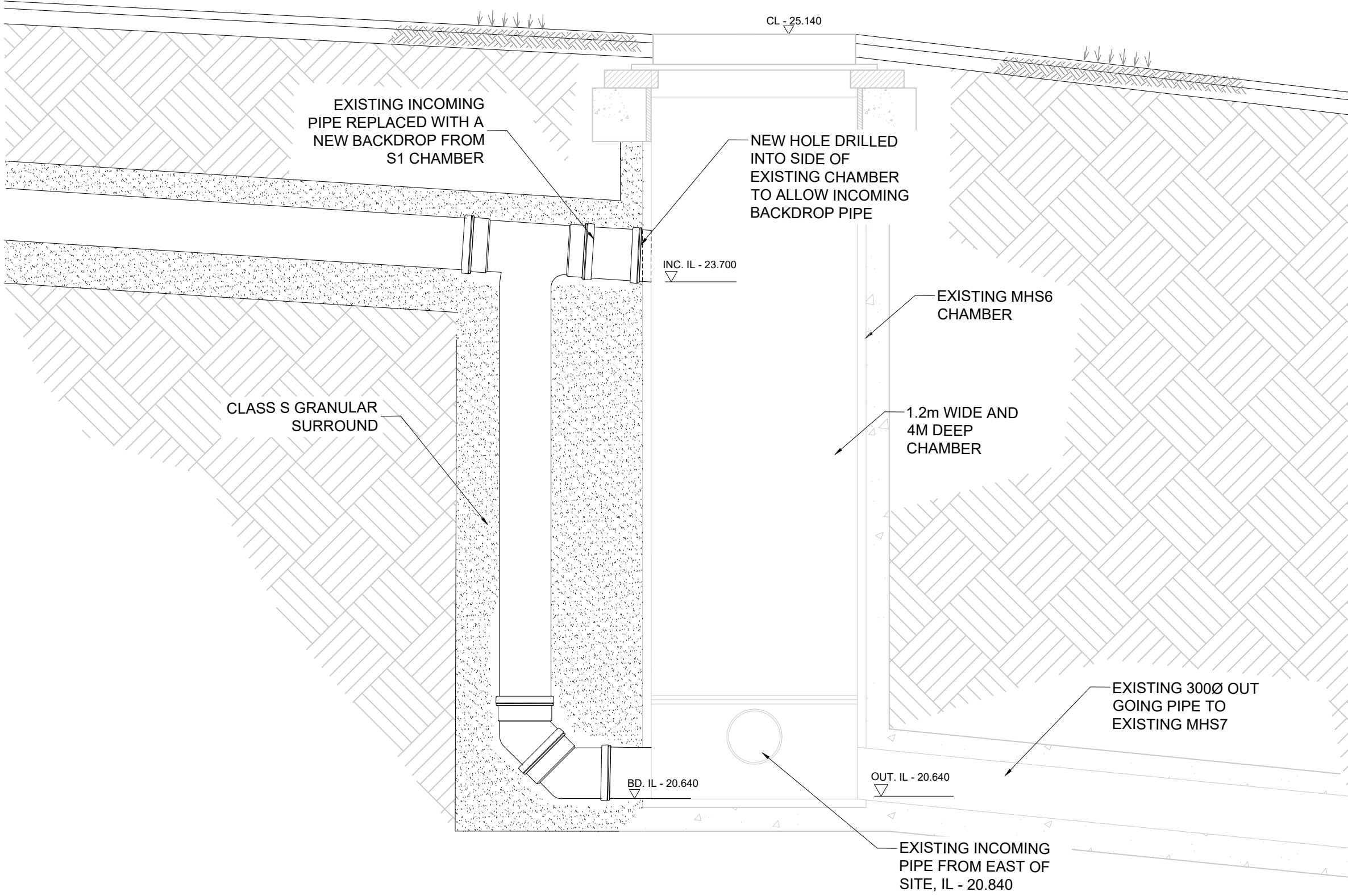
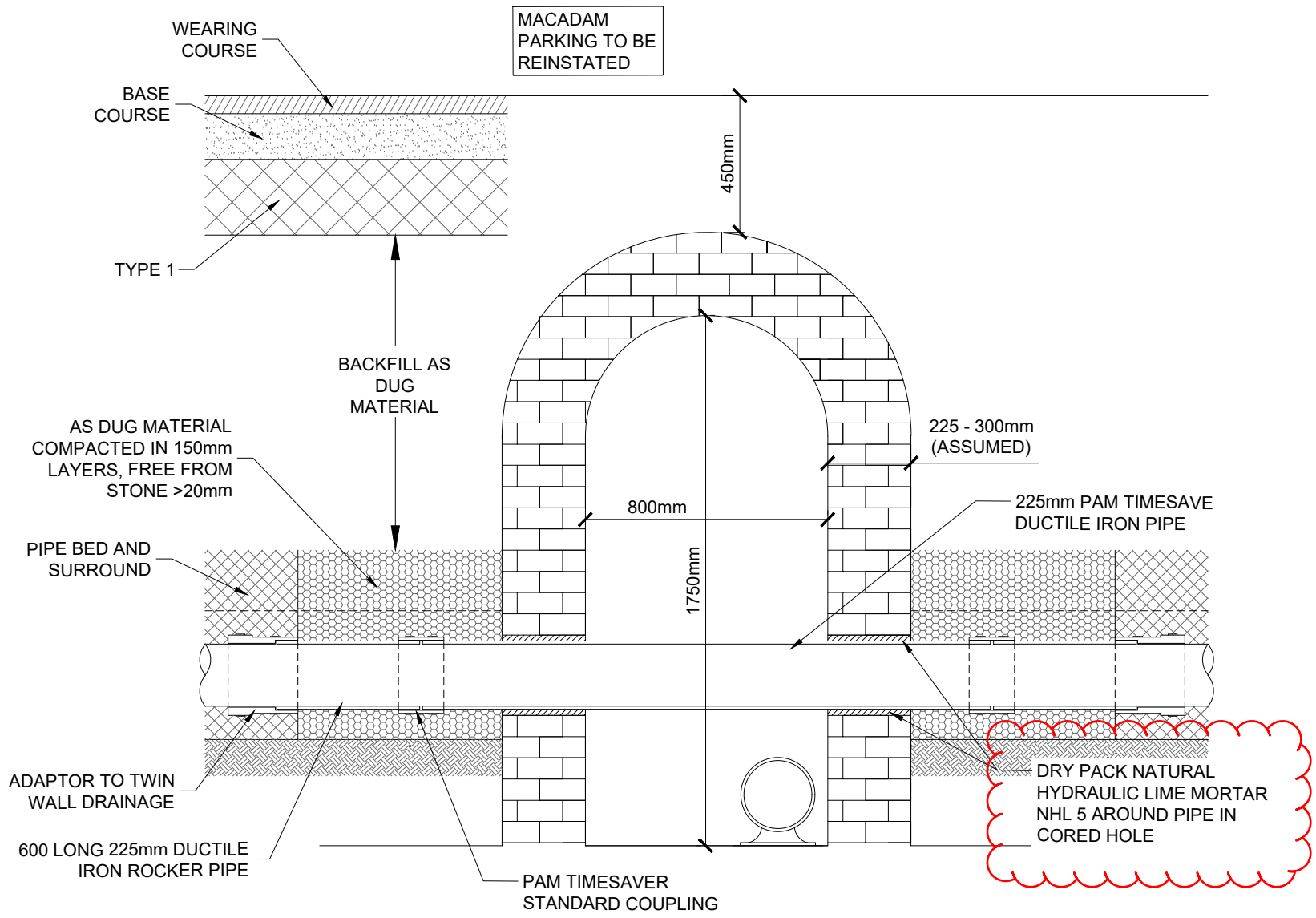




SECTION 01 BACKDROP CONNECTION BETWEEN S1 AND EX MH6
1:25



DETAIL 02 PIPE THROUGH EXISTING TUNNEL
1:20

Cyfarthfa Castle - Method Statement for Core Drilling Existing Tunnel Wall & Installation of Drainage Pipe.

The following method statement has been prepared for the excavation and installation of drainage pipe adjacent to & through the tunnel which has been encountered to the south of Cyfarthfa Castle crossing perpendicular to the proposed drainage run.

- Carefully excavate down either side of the tunnel wall where the drainage run was intended to be installed. Contractor to provide appropriate trench box to ensure safety of operatives. Excavation immediately adjacent to the tunnel structure should be carried out by hand to ensure damage to the tunnel is not caused.
- Pilot drill through tunnel wall with 20mm dia bit at the intended pipe invert level.
- Confirm within the tunnel that the proposed core location is clear of the existing pipework.
- Set up core drilling rig and core drill through each side of the tunnel wall with 280dia. wet diamond core drill.
- Install 225mm dia ductile iron pipework to pass through tunnel wall, across tunnel and through opposite wall. 3m length cut to length onsite (approx. 250-300mm projection from tunnel wall).
- Temporarily shim to support pipework in desired position through tunnel wall to achieve required falls, connect adjacent drainage pipework.
- Provide 600mm long rocker pipe.
- Provide adaptor to 225 twinwall pipework.
- With pipework in place point around ductile iron pipe with Natural Hydraulic Lime Mortar NHL 5 by Lime Green or similar approved.
- Backfill around tunnel with as dug material compacted in 150mm layers. Provide pipe bedding to twinwall pipework as specification.

STATUS CODES FOR DRAWINGS ACCORDANCE WITH BS EN ISO 15926-2:2018	
CODE	DESCRIPTION
S1	SUITABLE FOR COORDINATION
S2	SUITABLE FOR INFORMATION
S3	SUITABLE FOR REVIEW AND COMMENT
S4	SUITABLE FOR STAGE REVIEW AND AUTHORIZATION
S5	SUITABLE FOR STAGE REVIEW AND ACCEPTANCE
PUBLISHED (CONTRACTUAL)	
A1	STAGE 1 AUTHORIZED (NOT FOR CONSTRUCTION)
A2	STAGE 2 AUTHORIZED (NOT FOR CONSTRUCTION)
A3	STAGE 3 AUTHORIZED (NOT FOR CONSTRUCTION)
A4	STAGE 4 AUTHORIZED (FOR CONSTRUCTION)
A5	STAGE 5 AUTHORIZED (FINAL DESIGN RECORD)

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 - ALL DIMENSIONS TO BE CHECKED ON SITE AND ANY DISCREPANCIES REPORTED TO THE ENGINEER BEFORE ANY WORK COMMENCES.
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DRAWING TO BE READ IN COLOUR			
REV	DESCRIPTION	BY	DATE
P1	PRELIMINARY ISSUE	FM	15.10.25
C1	STAGE 4 AUTHORIZED FOR CONSTRUCTION	FM	11.11.25
C2	PIPE THROUGH TUNNEL DETAIL ADDED	FM	18.02.26
C3	PIPE SURROUND NOTE AMENDED	FM	23.03.26

PROJECT
CYFARTHFA CASTLE - SCAFFOLD PROTECTION

TITLE
DRAINAGE DETAILS - SHEET 3

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DRAWN	CHECKED	SIZE	SCALE	DATE	MW JOB NO.
FM	JP	A1	-	OCT 2025	12050

SUITABILITY STATUS
A4 | FOR CONSTRUCTION

ZONE/SYSTEM	LEVEL	TYPE	ROLE	ORIGINATOR
XX	XX	DR	C	MWB
PROJECT CODE		NUMBER		REVISION
12050		0511		C3