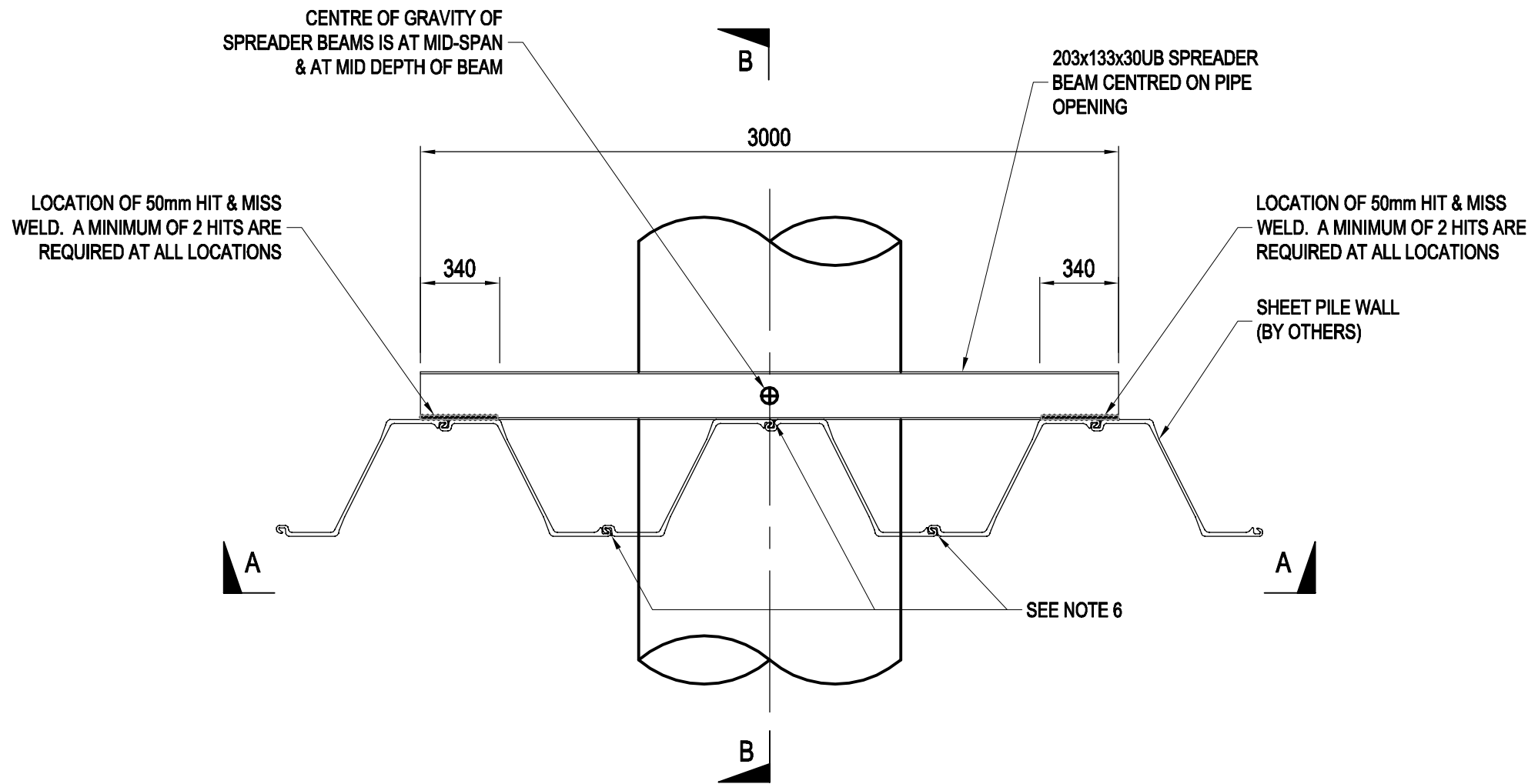
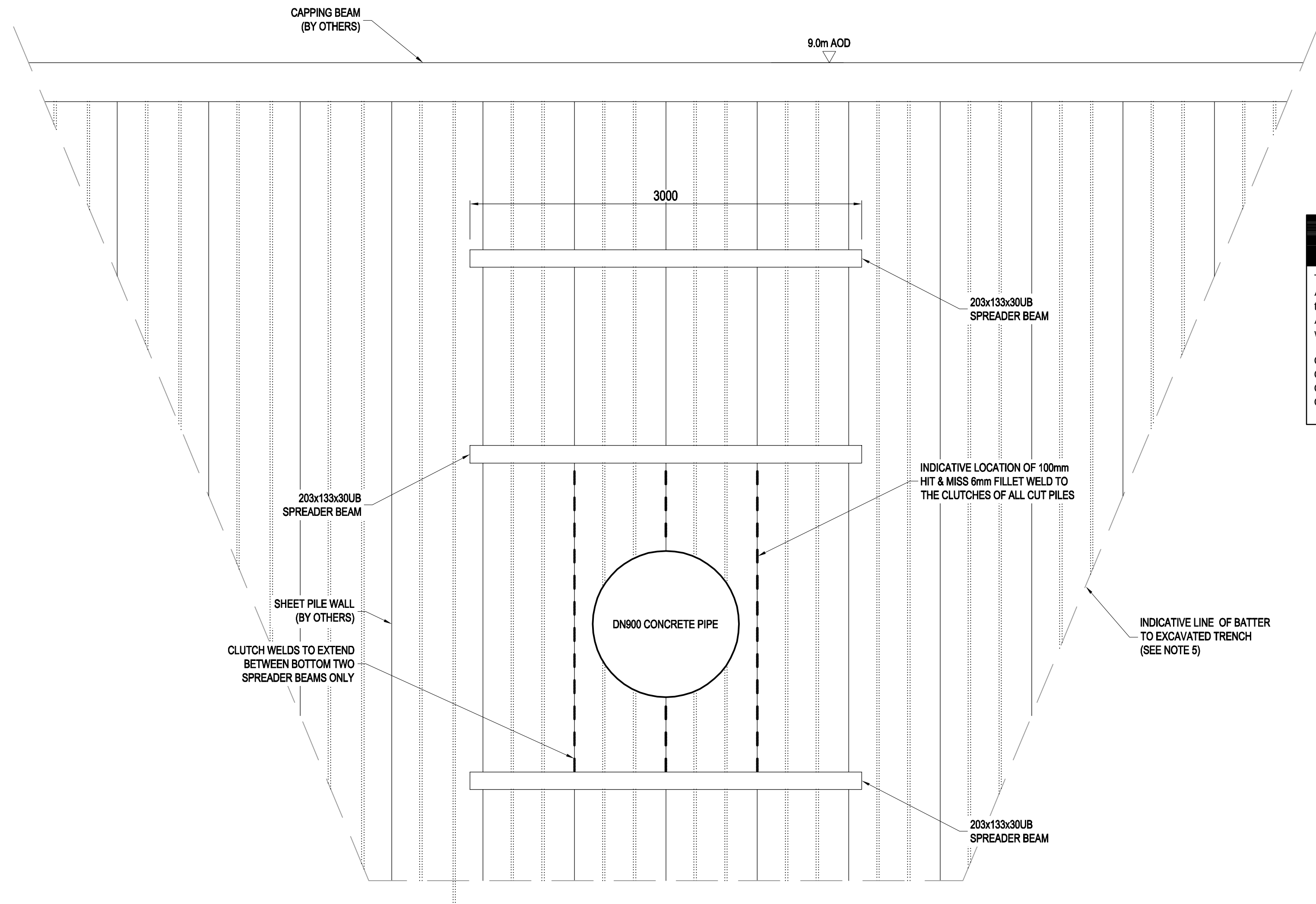




INDICATIVE SKETCHES OF SPREADER BEAM FIXING DETAIL
ABOVE AND BELOW PIPE
SCALE 1:25

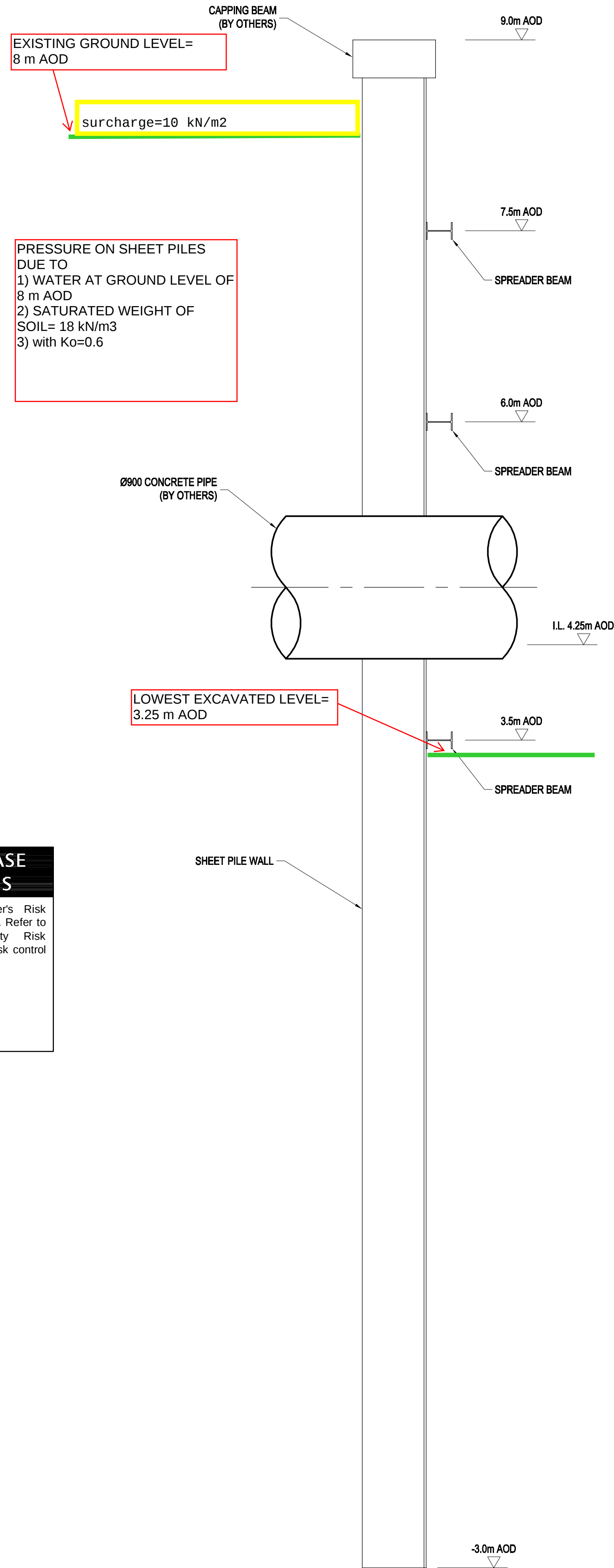


ELEVATION A-A
SCALE 1:25

**CONSTRUCTION PHASE
RESIDUAL HAZARDS**

This is a summary of the Designer's Risk Assessment and therefore not exhaustive. Refer to the Contractor's Health and Safety Risk Assessments for detailed hazards and risk control while working on Site.

C1 & C2 - Failure of sheet piles
C3 - Working in confined space
C4 - Proximity to water
C5 - Sheet Pile Instability



SECTION B-B
SCALE 1:25

NOTES

1. SHEET PILE SURFACE IS TO BE PREPARED IMMEDIATELY PRIOR TO SPREADER BEAM BEING WELDED
2. THE EARTH IS TO BE EXCAVATED & BACKFILLED AGAINST THE PILES IN AN EVEN MANNER, i.e. FOR THE SAME RATE FOR EACH SIDE. A MAX OF 1m DIFFERENCE IN LEVEL IS ALLOWED TO BE ADHERED TO
3. SPREADER BEAMS ARE TO BE PREPARED AND THEN TREATED WITH AN ANTI-CORROSIVE COATING. IT IS PROPOSED TO USE MACROPOXY M822M BY SHERWIN WILLIAMS OR SIMILAR APPROVED
4. ALL EXCAVATION SIDES SHOULD BE BATTERED BACK AT AN ANGLE LESS THAN THE INTERNAL ANGLE OF FRICTION OF THE EARTH OR BE SUPPORTED BY TRENCH BOXES
5. ALL TEMPORARY WORKS TO BE CARRIED OUT BY THE CONTRACTOR
6. ALL SHEET PILES THAT WILL BE CUT TO ALLOW THE PIPE TO PASS THROUGH WILL NEED TO HAVE THEIR CLUTCHES WELDED UP IN A 100mm HIT & MISS ARRANGEMENT WITH A 6mm FILLET WELD. THIS IS TO ENSURE THE CUT PILES REMAIN IN PLACE & LOAD TRANSFER BETWEEN THEM IS AIDED
7. ALL SPREADER BEAMS ARE TO BE S355 GRADE STEELWORK. NO HOLES OR NOTCHES ARE TO BE MADE WITHIN THE BEAMS

DESIGN ASSUMPTIONS USED TO
WORK OUT SPREADER BEAM SIZE

P2	22/02/17	AE	ISSUED FOR TENDER	Y/N
P1	07/12/16	SW	ISSUED FOR TENDER	Y/N
Rev	Date	By	Description	H&S Box Updated

S4_CONSTRUCTION APPROVAL



Job Title

**SURFACE WATER SEWER
REQUISITION CRINDAU**

Drawing Title

**SHEET PILE PENETRATION
DETAILS**



Consultants Job No.	117942	Originator	SW
Scale	1:25	Checked	NA
Approved	BM	Date	22/02/17
SET Scheme No.	1W6500/H1	Drawing No.	05009
Rev.	P2		