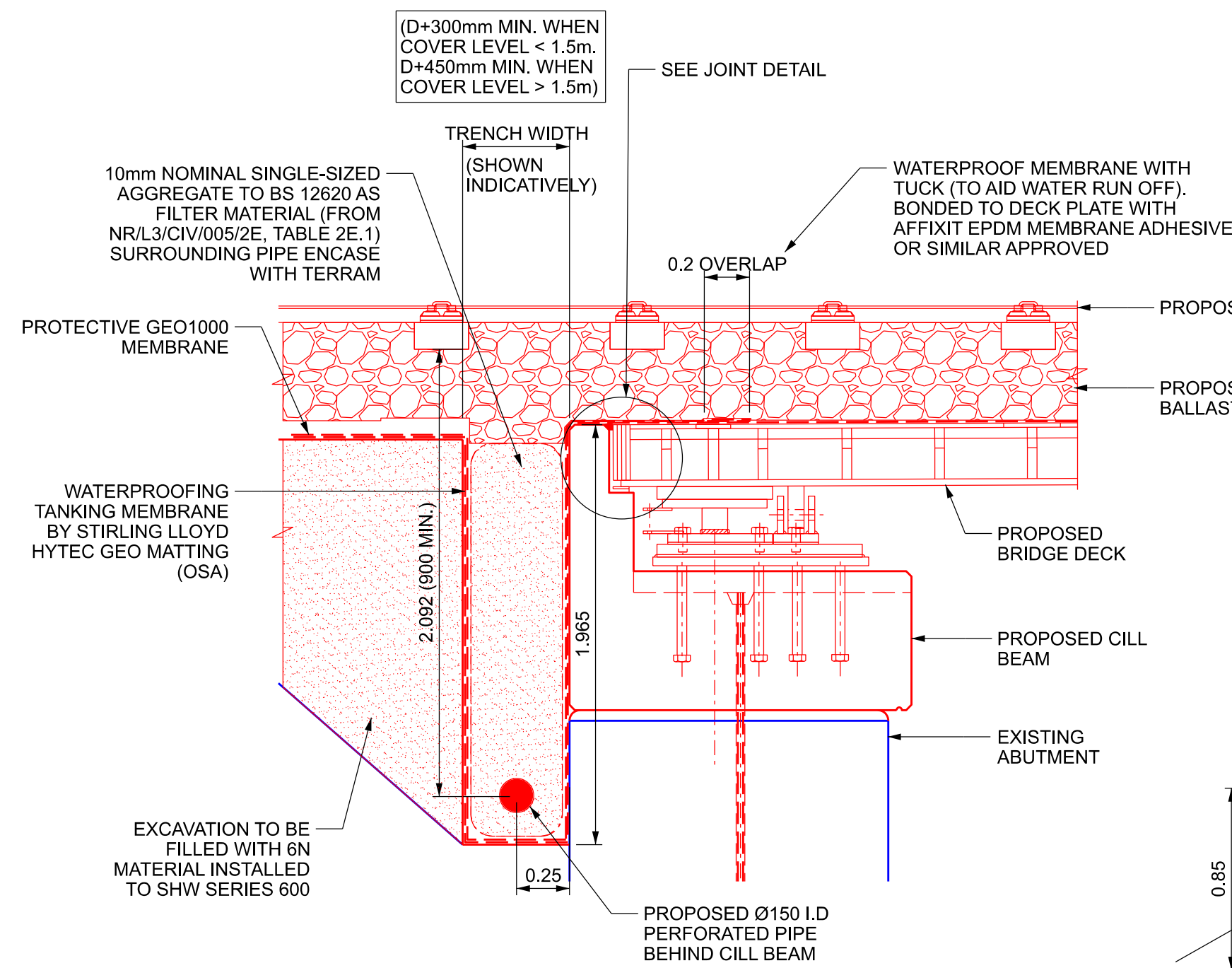
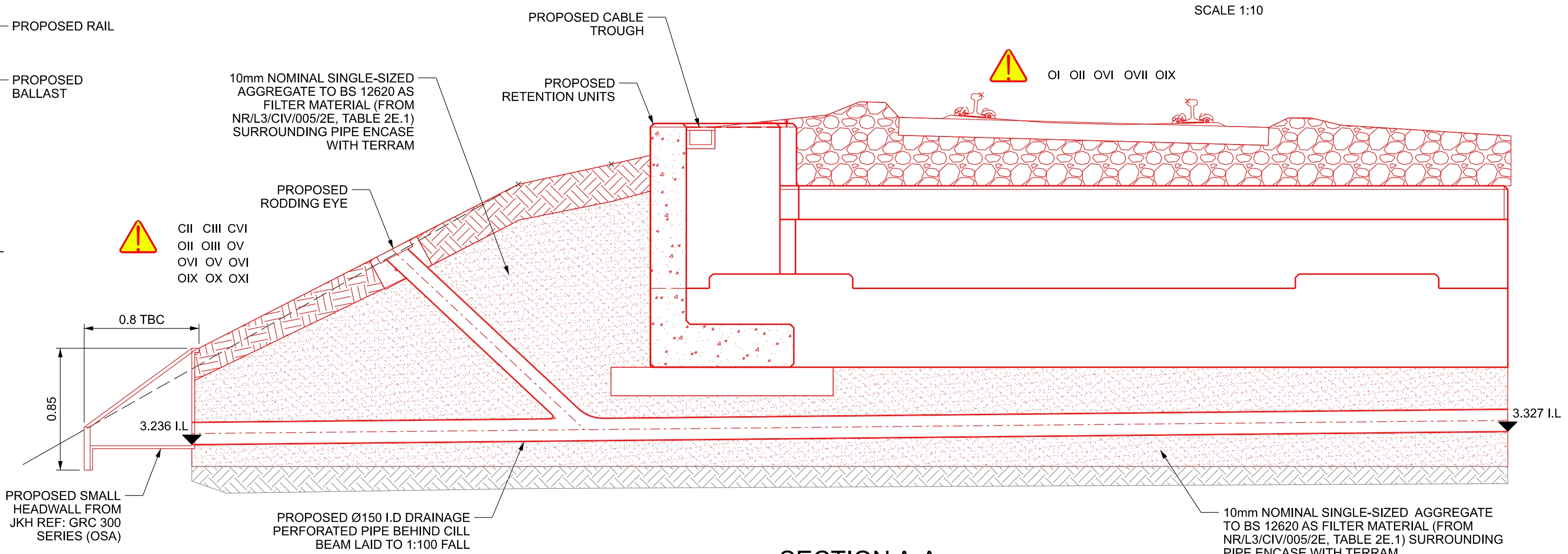


PROPOSED DRAINAGE PLAN
SCALE 1:50

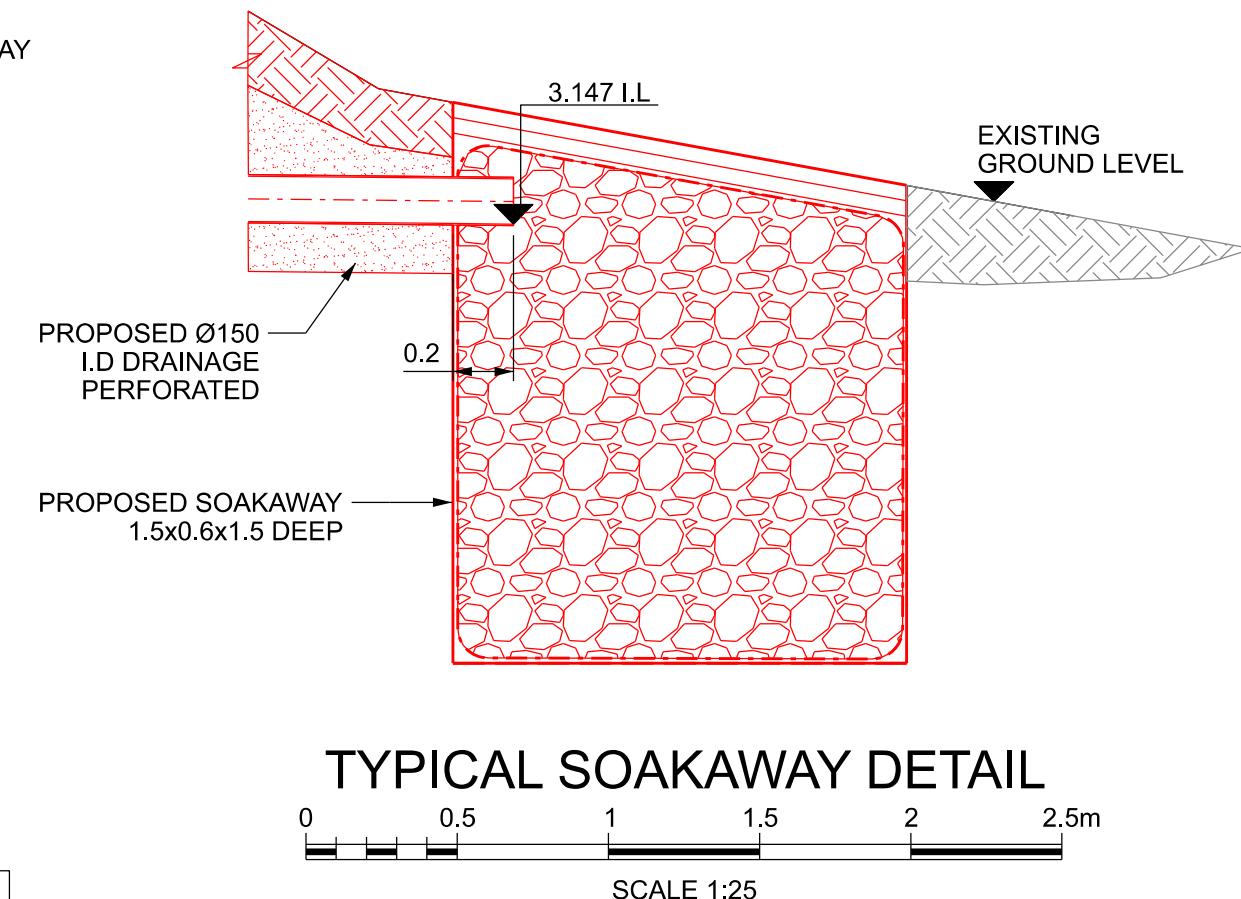


TYPICAL SECTION TO REAR OF CILL BEAM
SCALE 1:25

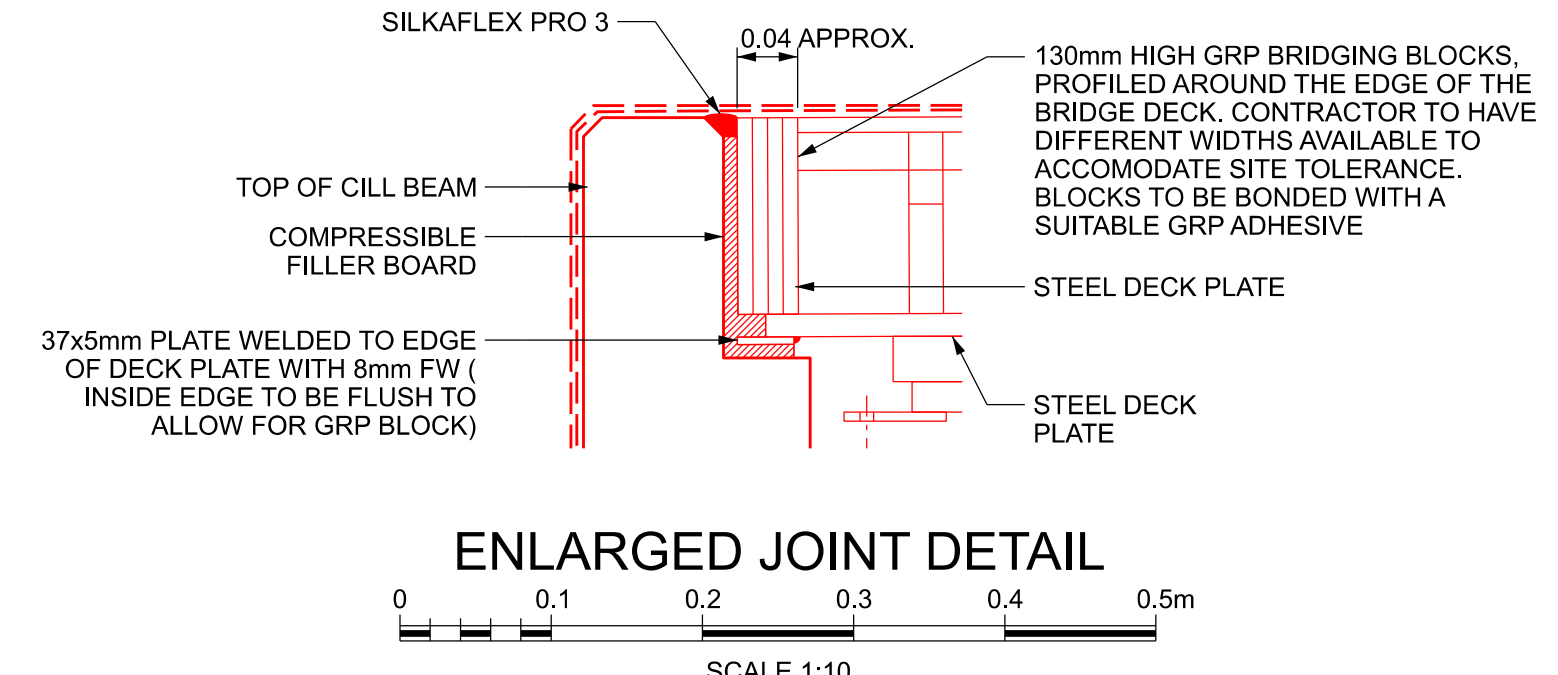


SECTION A-A
SCALE 1:25

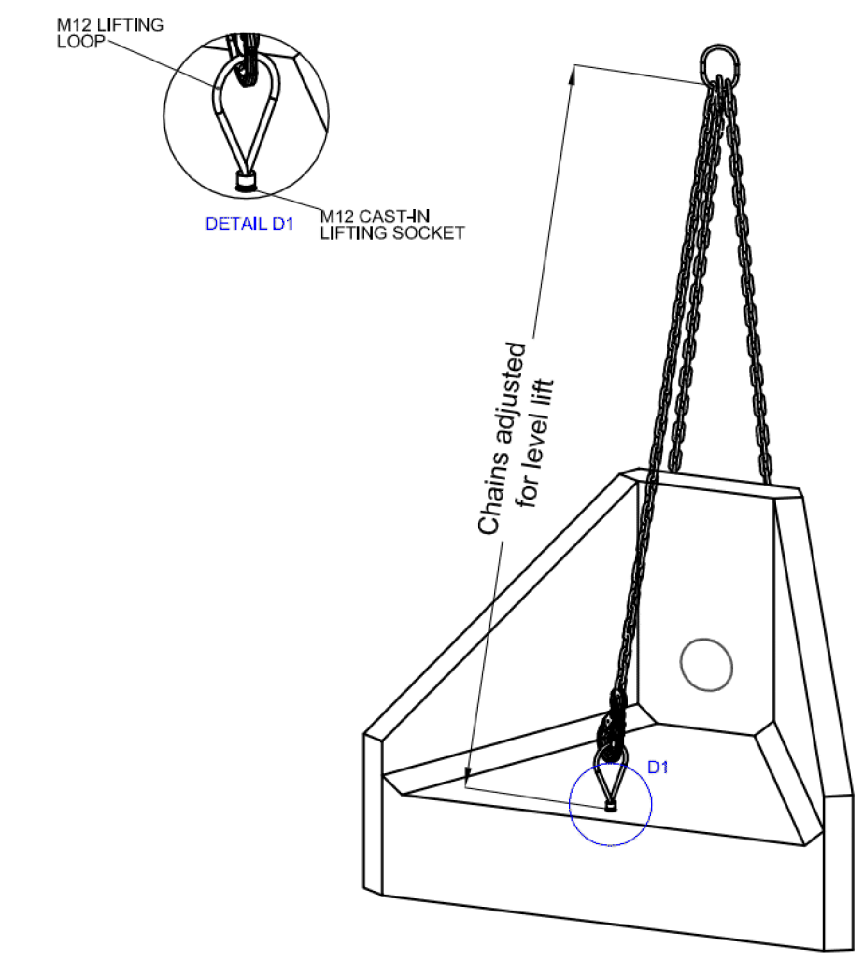
ISOMETRIC OF HEADWALL



TYPICAL SOAKAWAY DETAIL
SCALE 1:25



ENLARGED JOINT DETAIL
SCALE 1:10



Legend/Notes

1. FOR GENERAL NOTES SEE DRAWING 162906-CGE-WLS-DJP-DRG-ECV-000001

PROPOSED DRAINAGE PIPE SETTING OUT			
SOPs	EASTINGS (m)	NORTHINGS (m)	INVERT LEVEL (m)
D1	266060.632	297218.344	3.327
D2	266061.864	297224.220	3.267
D3	266061.170	297227.678	3.236
D4	266068.149	297219.013	3.375
D5	266069.915	297227.884	3.147
D6	266061.793	297223.542	4.224
D7	266057.641	297222.761	4.202
D8	266069.042	297224.906	4.250
D9	266073.194	297225.687	4.208



SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

NOTES BELOW ARE ADDITIONAL TO HAZARDS/RISK NORMALLY ASSOCIATED WITH THIS TYPE OF WORK

CONSTRUCTION

CI. STEEL DECK & CILL BEAMS LIFTING DURING CONSTRUCTION WORKS
CII. ABUTMENT INSTABILITY DUE TO REFURBISHMENT WORKS ON THE ABUTMENT/WING WALLS
CIII. EXCAVATION/SLOPE COLLAPSE
CIV. UNDERMINING EXISTING ABUTMENT FOUNDATION
CV. STABILITY OF THE 'L' SHAPE RETENTION UNITS
CVI. UNFORESEEN GROUND CONDITIONS

OPERATIONAL & MAINTENANCE

OI. DISTURBING THE TRACK DURING WORKS
OII. WORKING AT HEIGHT, RISK OF PERSONNEL FALLING
OIII. PERSONAL INJURY TO WORKERS DUE TO CONTACT WITH TRAINS
OIV. SLIP/TRIP/FALLS DUE TO UNEVEN OR STEEP GROUND
OVI. DISTURBANCE TO LOCAL AREA AND ENVIRONMENT
OVI. CONTAMINATION TO ENVIRONMENT AND SPECIES
OVII. INJURY OR INFECTION DUE TO CONTACT TO HAZARDOUS MATERIAL
OVIII. DAMAGE TO SERVICE CABLES LAID ALONG THE BALLAST
OIX. PERSONAL INJURY DUE TO WORKING NEAR/ABOVE WATER
OX. BRIDGE/SCAFFOLD IMPACTED BY LARGE OBJECT DURING FLOODING EVENTS
OXI. ABUTMENT INSTABILITY DURING CONSTRUCTION WORKS
OXII. STABILITY FAILURE OF THE 'L' SHAPE RETENTION UNITS

DISMANTLING/DEMOLITION

DI. OVERTURNING OF ABUTMENT AFTER EXISTING DECK HAS BEEN REMOVED

THESE NOTES ARE BASED ON THE USE OF EXPERIENCED AND COMPETENT CONTRACTORS CARRYING OUT THE WORK USING AN APPROVED SAFE METHOD OF WORKING. A RESIDUAL RISK AND HAZARD DOCUMENT HAS BEEN GREAT FOR A MORE DETAILED ASSESSMENT.

B01	19/05/21	First Issue		CM	MG
P01	29/03/21	First Issue		CM	MG
Rev	Date	Description of Revisions	Drawn	Chkd	Appr
Status					Suitability

Fit for Internal Review & Comment S3



Authorised		Signed		Date	
Contractor(s)	Centregreat Rail				
Location	ABERDOVEY, WALES, LL35 ORG				
Type	CAD Drawing	Sub-type			
Role	Civil Engineer	Sub-Role	Structures and Buildings		
Zone	Wales Region				
Phasing		Grip Stage	5		
Region	Western and Wales				
Contract No.	162906				
Contract Title	Pant Eidal Bridge				
Drawing Title	PROPOSED DRAINAGE LAYOUT AND WATERPROOFING DETAILS				
Designed	M. GOPAL	Signed	Electronically Signed	Date	29/03/21
Drawn	C.MANN	Signed	Electronically Signed	Date	29/03/21
Checked	M.GOPAL	Signed		Date	
Approved	S.A.GENER	Signed		Date	
Scale(s)	As Shown		ELR & Mileage	81m 31.75ch to	0
Alternative Reference	162906-CGE-DRG-ECV-000016			Sheet	1 of 1
Drawing Number	162906-CGE-WLS-DJP-DRG-ECV-000016			Revision	B01