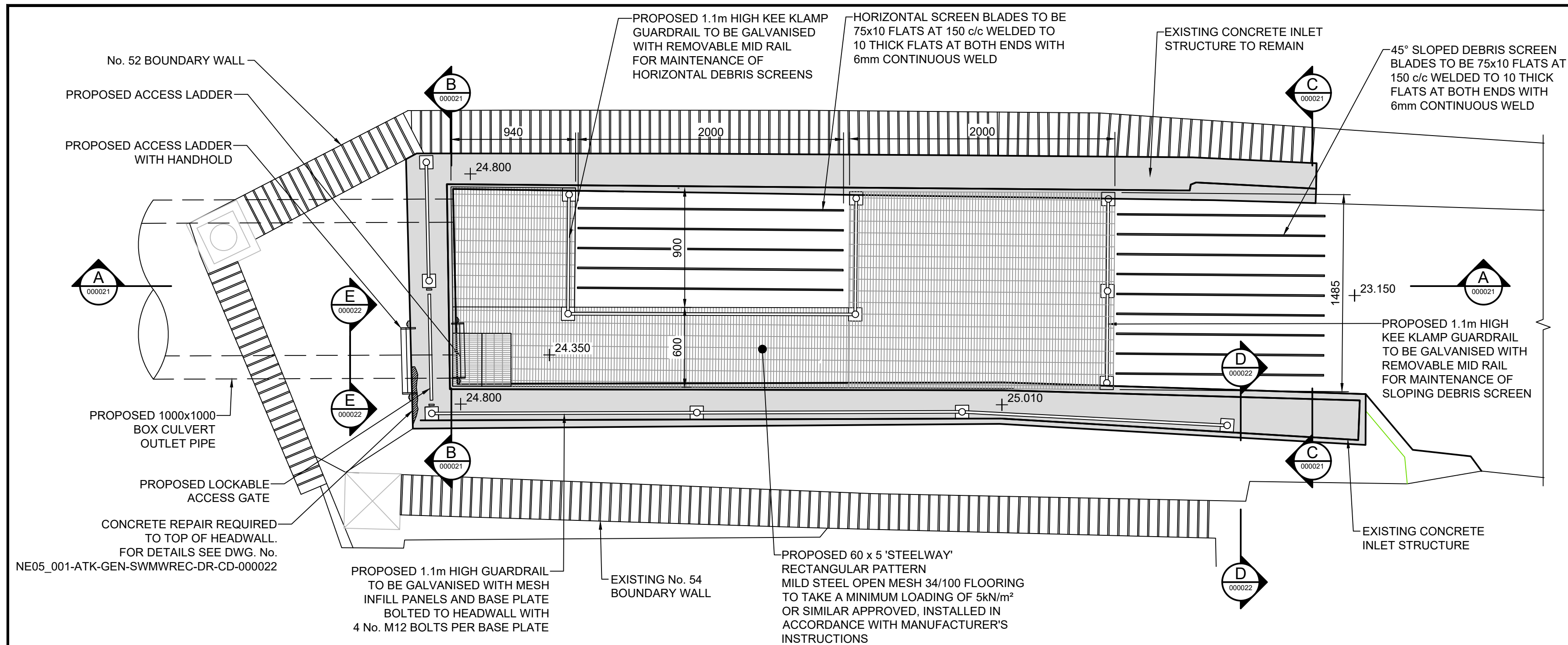
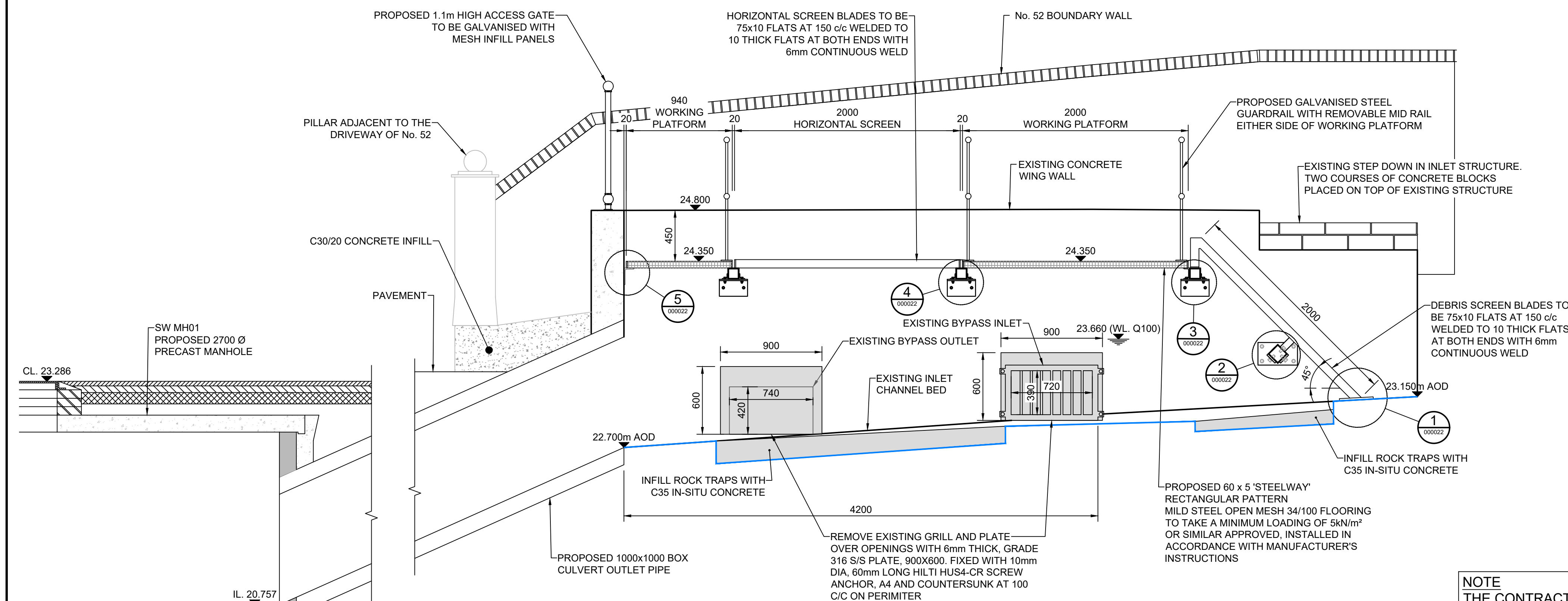
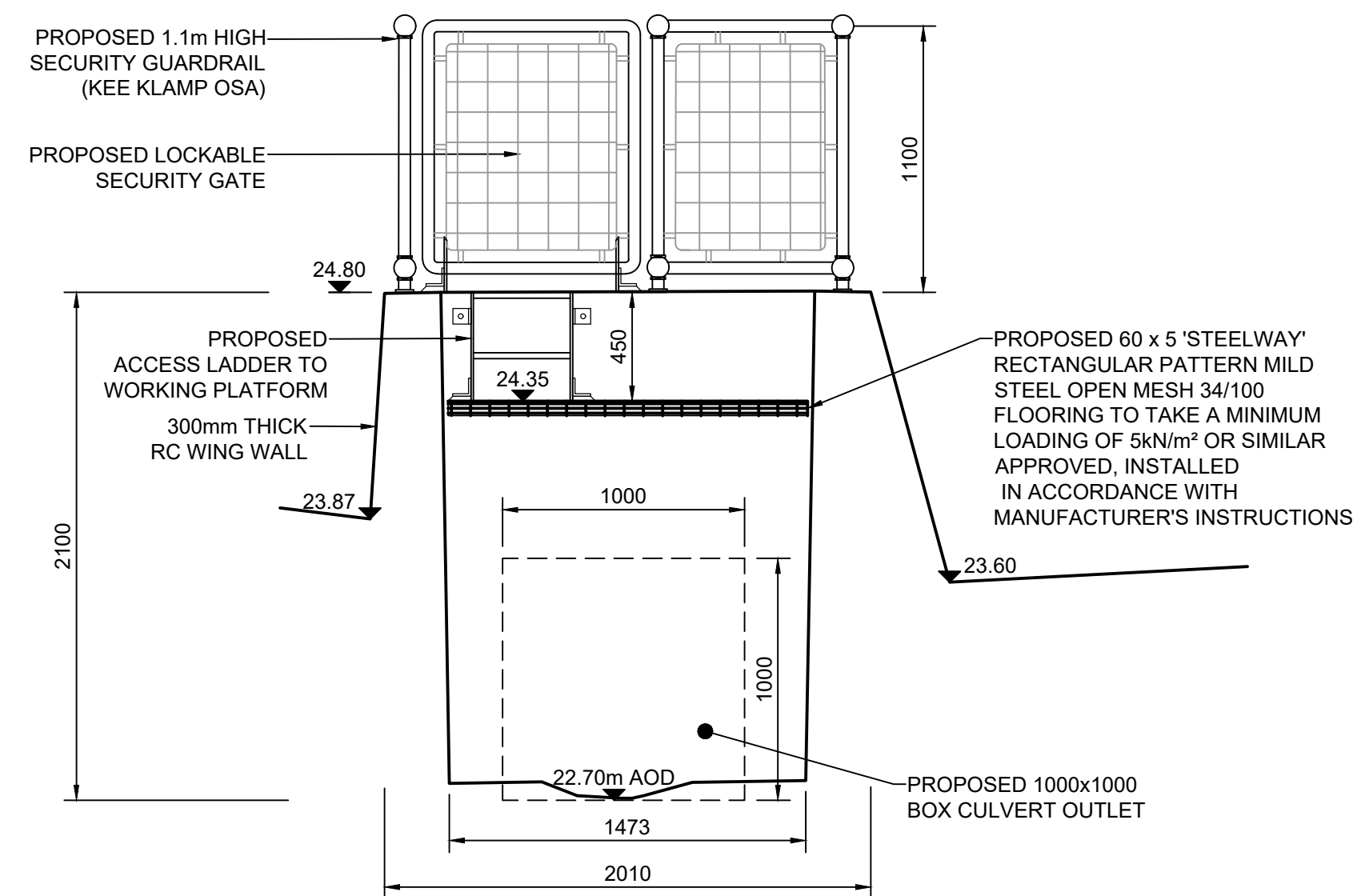




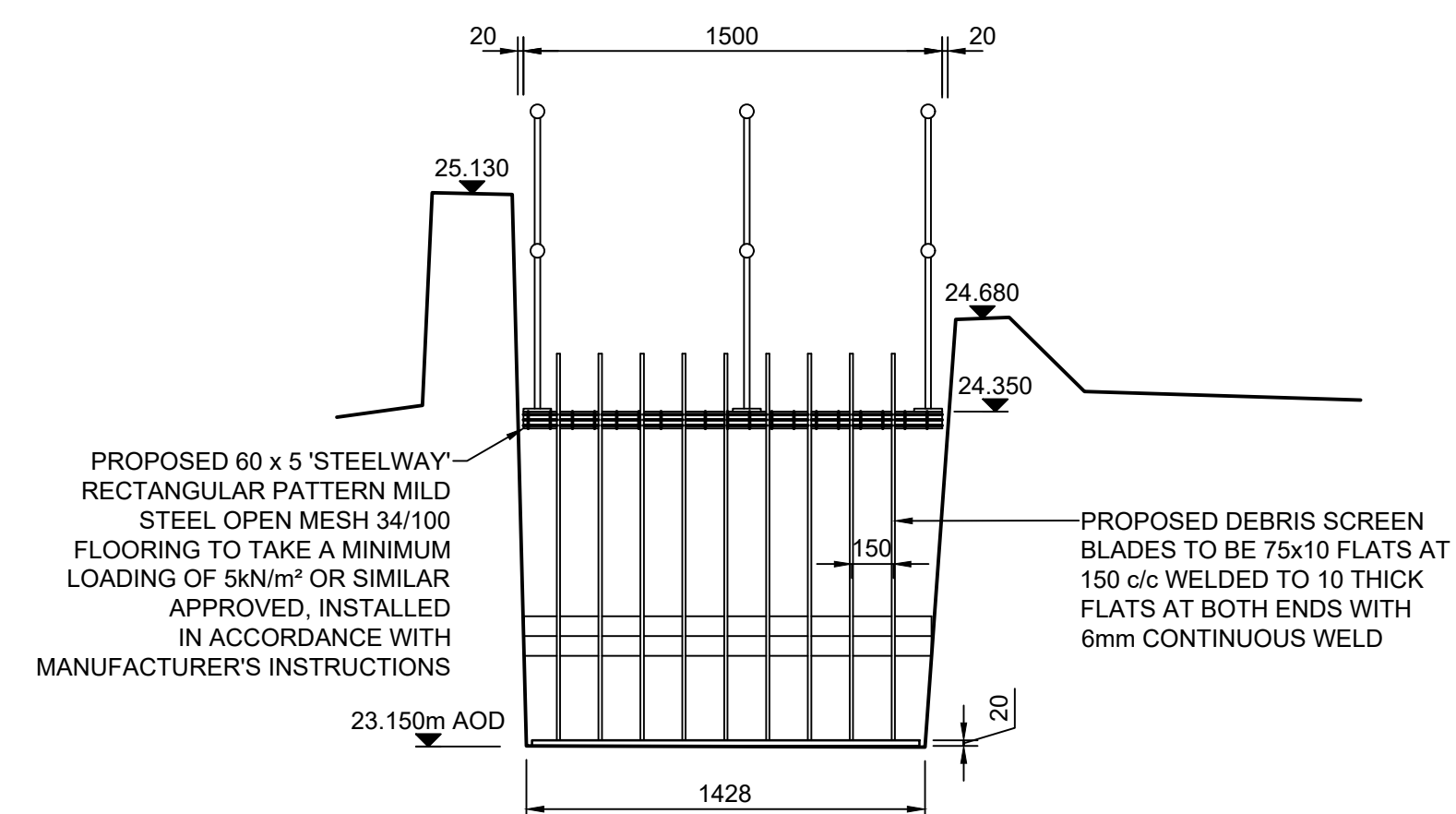
INLET STRUCTURE PLAN



A LONG SECTION THROUGH INLET STRUCTURE
000020 1:25



B SECTION OF INLET STRUCTURE FACING THE ROAD



C CROSS-SECTION AT SLOPING TRASH SCREEN
000020 1:25

SAFETY, HEALTH AND ENVIRONMENTAL
INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction

- Requirement for services diversions in advance of works to install new culvert
- Potential for encountering unplotted services or private underground services
- access to be maintained to residential and commercial properties
- Presence of asbestos containing materials at Carreg Hir
- Presence of contaminated soils in areas of former industrial use (land at Penrhiwlin)
- Maintaining of existing surface water flows
- Sudden increase in flows

	Maintenance / Cleaning
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- Trash screen will require regular inspection and clearance
- Trash screen and outfall to be inspected after storm events
- Attenuation tanks to be cleaned by high flow jetting
- Silt/rock traps to be emptied to prevent culvert blockage

Use	
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- Trash screen will require regular inspection and clearance
- Trash screen and outfall to be inspected after storm events
- Attenuation tanks to be cleaned by high flow jetting
- Silt/rock traps to be emptied to prevent culvert blockage

Decommissioning / Demolition

- Requirement for services diversions in advance of works to install new culvert
- Potential for encountering unplotted services or private underground services
- access to be maintained to residential and commercial properties
- Presence of asbestos containing materials at Carreg Hir
- Presence of contaminated soils in areas of former industrial use (land at Penrhiwtin)
- Maintaining of existing surface water flows
- Sudden increase in flows

NOTES

- | | | | |
|----|--|-----|---|
| 1. | ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED. | 9. | FOR CONCRETE FINISHES REFER TO SPECIFICATION. ALL RIGID PIPES CONNECTING TO MANHOLES AND STRUCTURES TO HAVE A MINIMUM OF 1 No. ROCKER PIPE AND 1 No. SHORT LENGTH PIPE. EFFECTIVE LENGTH TO BE AS FOLLOWS:
150 - 600 DIA = 600 LENGTH
600 - 750 DIA = 1000 LENGTH
OVER 750 DIA = 1250 LENGTH |
| 2. | ALL LEVELS ARE IN METRES ABOVE ORNANCE DATUM UNLESS OTHERWISE NOTED. | 10. | THE TRASH SCREEN SHALL BE STEEL GRADE275JO TO BS EN10025 |
| 3. | INDICATIVE DETAILS OF TRASH SCREEN AND MESH FLOORING REFER TO DRAWINGS | 11. | SUPPORTING BEAM ARE TO BE GRADE S355 HOT ROLLED STEEL |
| 4. | NE05_001-ATK-GEN-SWMWREC-DR-CD-000023 & 000024. TRASH SCREEN AND FLOORING SHALL BE CONTRACTOR DESIGN | 12. | ALL WELDS TO BE MINIMUM OF 6mm FILLET WELD |
| 5. | ALL WASTE MATERIAL TO BE DISPOSED OF TO CONTRACTORS LICENSED TIP. | 13. | ALL BOLTS TO BE MIN. GRADE 8.8 |
| 6. | INSTALL METEOR STANDARD 4G3G/GPRS ROBUST REMOTE CAMERA SYSTEM WITH BATTERY AND SOLAR PANEL WITH MCE-RPS-C PILLAR SYSTEM. MCE-RPS-C PILLAR SYSTEM IS MOUNTED TO HANDRAIL USING 2M POLE AND OVERCLAMPS 20W SOLAR PANEL (PROVIDED WITH MCE-RPS-C KIT) MOUNTED AT TOP OF THE POLE. | 14. | ALL STEEL SHALL BE HOT DIPPED GALVANISED TO BS EN ISO 1461 WITH MIN. COAT THICKNESS OF 140 MICRONS |
| 7. | NOTE ALL STEELWORK SHALL BE HOT DIP GALVANISED. FOR STEELWORK REQUIREMENTS FOR THE INLET STRUCTURE REFER TO WORKS INFORMATION ITEM W305 DESIGN RESPONSIBILITY AND SPECIFICATION APPENDIX 1/10 FOR ITEMS TO BE DESIGNED BY THE CONTRACTOR. | | |
| 8. | ALL EXPOSED EDGES TO HAVE 25 x 25 CHAMFER. | | |

Description							
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S6	P01	DJW	RC	RAM	---	26/05/2012	

Drawing Suitability		Status		Project Title	
FOR PLANNING		S6		GRANDISON BROOK	
		West Glamorgan House 12 Orchard Street Swansea West Glamorgan SA1 5AD Tel: +44 (0)1792 641172 Fax: +44 (0)1792 472019 www.atkinsglobal.com		Drawing Title INLET STRUCTURE REF: CUL_0015 PROPOSED DETAILS SHEET 1 OF 2	
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Client		Drawing Number		Project	
 NEATH PORT TALBOT COUNTY BOROUGH COUNCIL		Project		Originator Volume NE05_001 - ATK - GEN - SWMWREC - DR - CD - 000021	
		Location		Type Role Number 	
Original Size: A1		Scale: AS SHOWN		Project Ref. No: 5192793	
				Sheet: 1 of 2	
				Rev: P01	