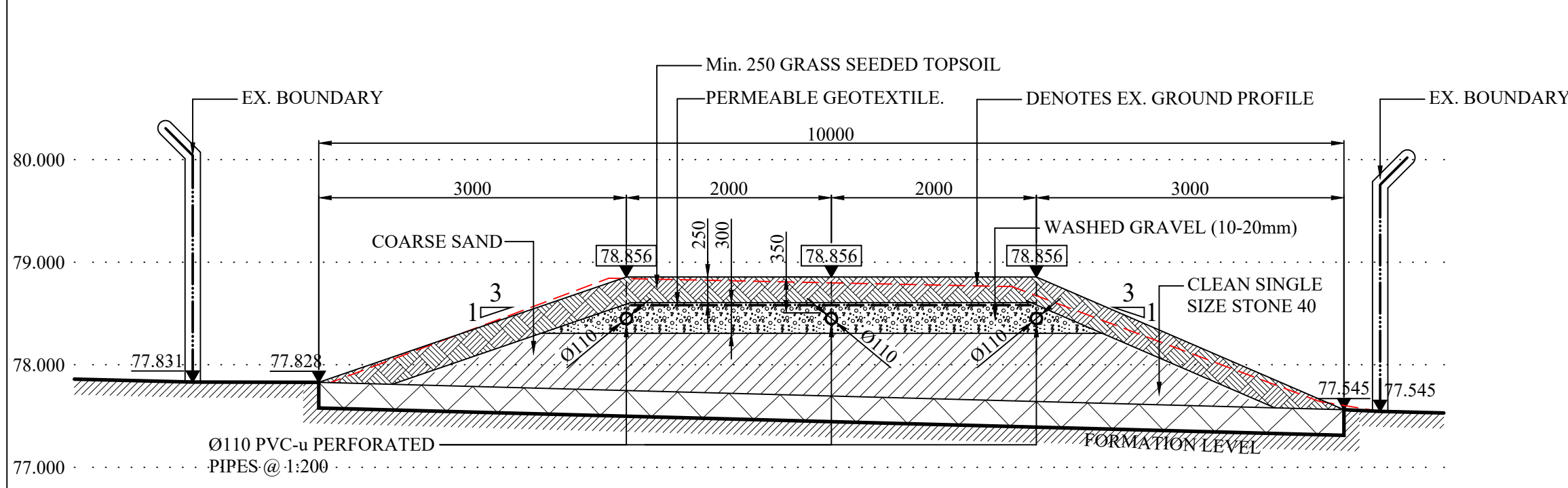
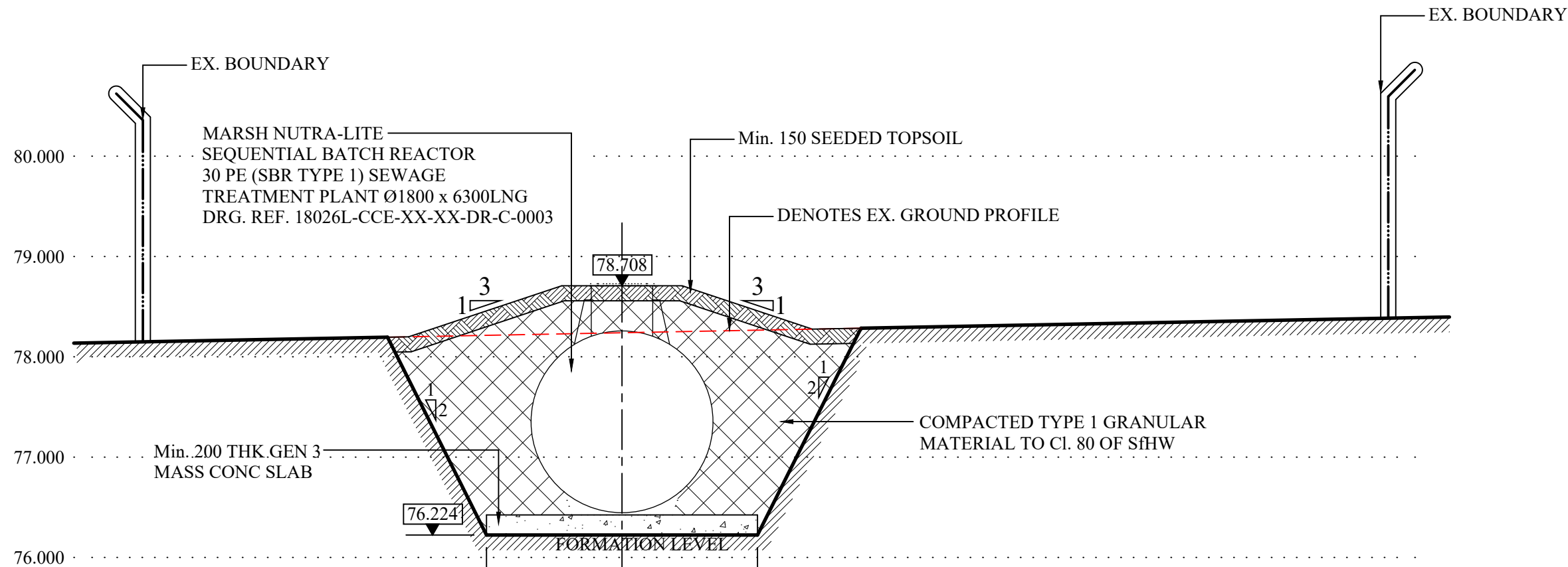
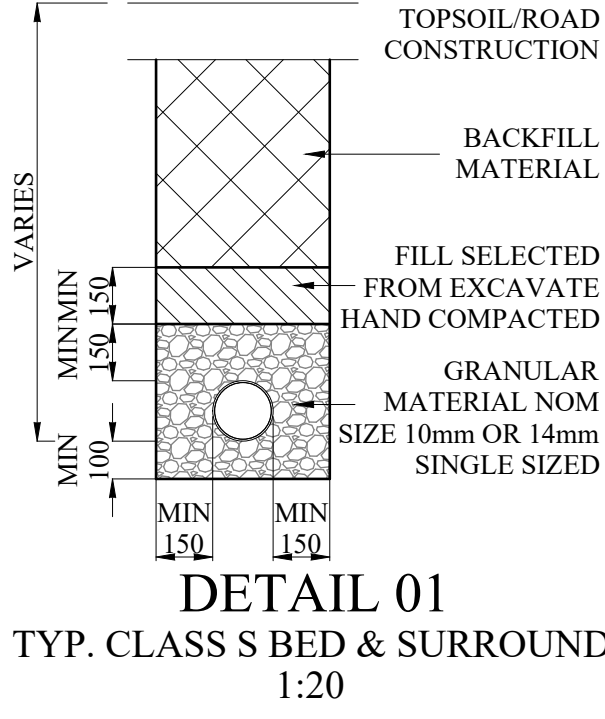


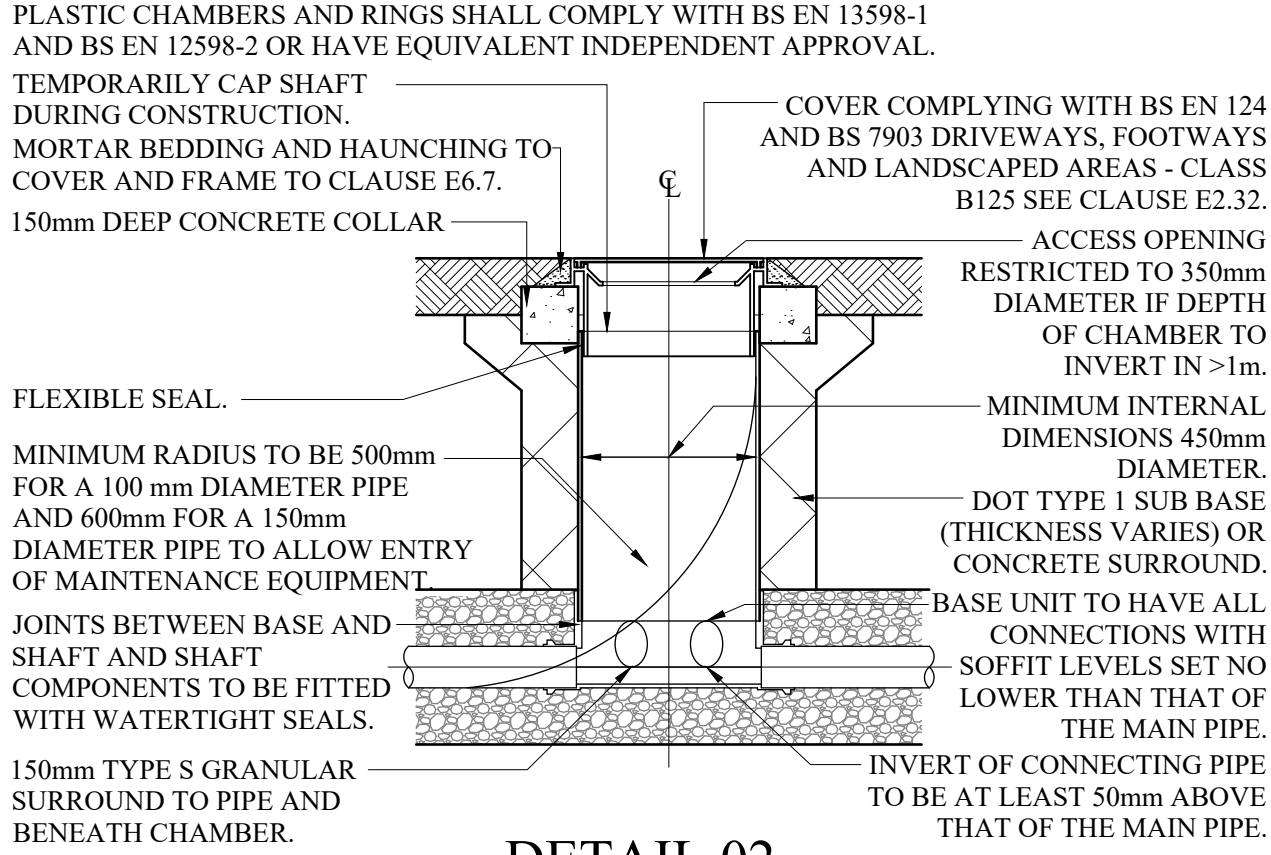
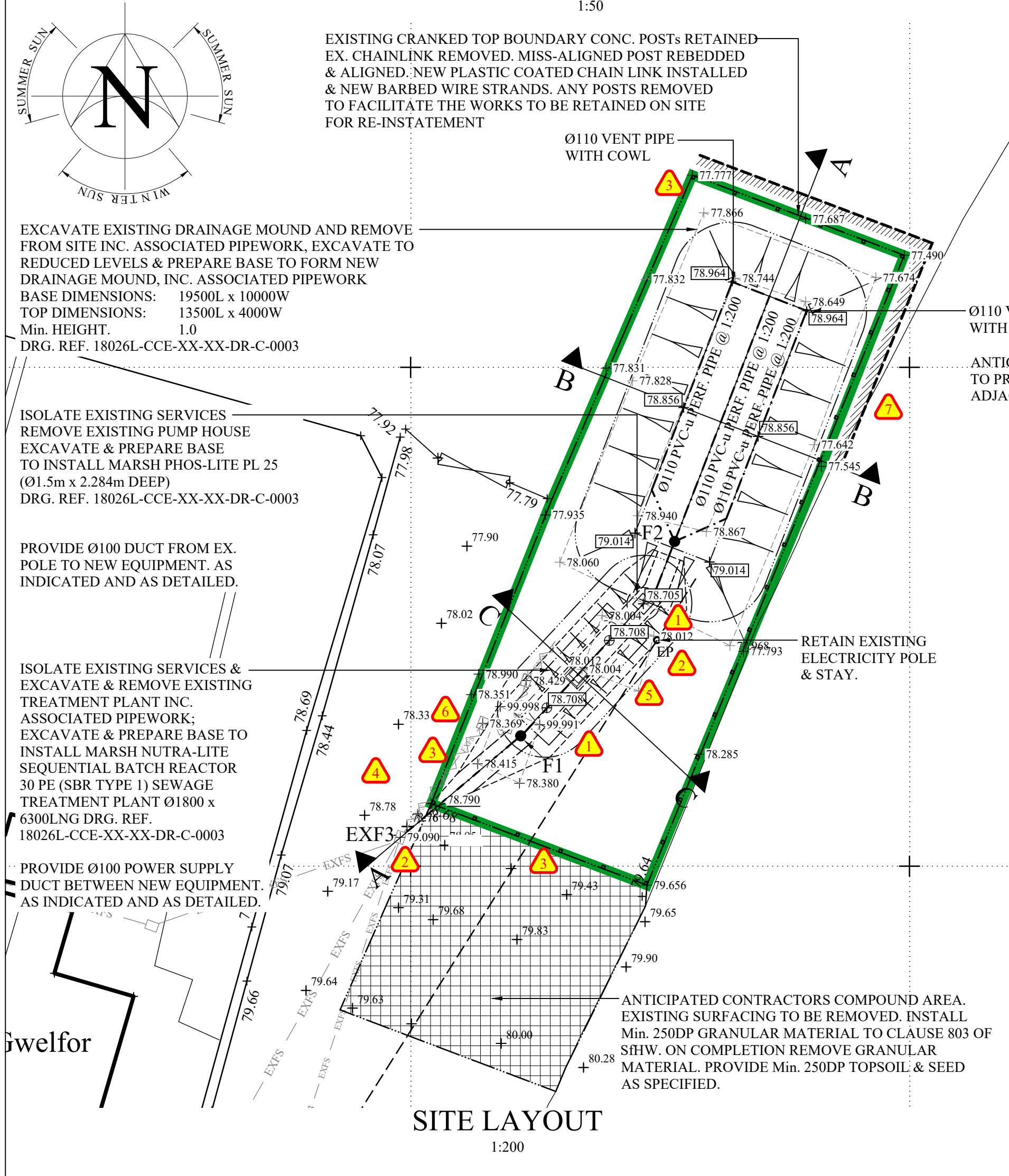
SECTION A-A
TYP. LONGITUDINAL SECTION
1:50



SECTION B-B
TYP. SECTION THROUGH DRAINAGE MOUND
1:50



SECTION C-C
TYP. SECTION THROUGH
MARSH NUTRI-LITE
1:50



PROPOSED CHAMBER SCHEDULE						
MH No.	MANHOLE DIMENSION (mm)	MANHOLE TYPE	COVER TYPE	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH TO SOFFIT (m)
EXF3	12000	EXISTING	B125	79.090	78.233	0.857
F1	4600	Type 3	" "	78.708	78.117	0.591
Nutra-Lite inlet	N/A	" "	" "	78.708	78.108	0.600
Nutra-Lite outlet	N/A	" "	" "	78.708	78.033	0.675
Phos-Lite inlet	N/A	" "	" "	78.708	77.993	0.715
Phos-Lite outlet	N/A	" "	" "	78.708	77.623	1.085
F2	4600	Type 3	" "	79.014	78.564	0.450

- NOTES
- ALL LEVELS IN MILLIMETERS UNLESS NOTED OTHERWISE ON DRAWING.
 - ALL DIMENSIONS AND LEVELS TO BE CHECKED ON SITE PRIOR TO UNDERTAKING ANY WORKS. ORDERING MATERIALS OR FABRICATING ANY COMPONENTS.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEER'S AND ARCHITECT'S DRAWINGS AND RELEVANT SPECIFICATION CLAUSES.
 - PLEASE REFER TO ARCHITECTS DRAWINGS FOR FINAL BUILDING LOCATION.
 - THE LOCAL AUTHORITY AND SERVICE COMPANIES ARE TO BE NOTIFIED PRIOR TO COMMENCEMENT OF WORK ON SITE.
 - ALL DRAINAGE COMPONENTS ARE TO COMPLY WITH CURRENT BRITISH STANDARDS AND BUILDING REGULATIONS REQUIREMENTS.
 - ALL WORKS TO BE IN ACCORDANCE WITH THE LOCAL AUTHORITY'S ROADS FOR ADOPTION SPECIFICATION.
 - ALL WORKS AND MATERIALS TO BE IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS (SHW SERIES 500).
 - AT ALL CONNECTION POINTS TO THE EXISTING NETWORK, THE POSITION AND INVERT LEVEL OF EXISTING DRAINS MUST BE CONFIRMED WELL IN ADVANCE OF THE PROGRAMMED DATE FOR INSTALLING ANY OF THE UPSTREAM DRAINAGE, OR ORDERING OF ANY MATERIALS IN ORDER TO ALLOW TIME FOR ANY NECESSARY REVISIONS TO THE HYDRAULIC DESIGN.
 - ALL PIPE RUNS SHALL CONSIST OF 100mm DIA. PIPES LAID AT NO FLATTER THAN 1/80 FALLS U.N.O.
 - THERMOPLASTIC PIPES & FITTINGS: THERMOPLASTIC PIPES, JOINTS & FITTINGS FOR GRAVITY SEWERS SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 1401-1, BS EN 1852 & BS EN 12666-1.
 - OPTIMUM TRENCH WIDTH = PIPE + 300mm. CONTRACTOR TO ENSURE TRENCH WALLS ARE SUITABLY PROPPED.
 - GRANULAR MATERIAL NOMINAL SIZE 20mm SINGLE SIZED OR 14mm TO 5mm GRADED.
 - BACKFILL MUST NOT BE PLACED ON CONCRETE BEDDING OR SURROUND UNTIL THE CONCRETE COMPRESSIVE STRENGTH HAS REACHED 15N/mm².
 - BRICKS OR BLOCKS MUST NOT BE PLACED IN THE BEDDING MORTAR FOR SETTING THE PIPES TO LEVEL.
 - ALL ROCKER PIPE LENGTHS TO BE MIN 600mm.
 - PROVIDE ROCKER PIPES AT TRANSITION FROM CONCRETE SURROUND TO GRANULAR SURROUND.
 - MAX DISTANCE FROM FACE OF CONCRETE SURROUND TO FIRST FLEXIBLE JOINT TO BE 150mm.
 - MANHOLE COVERS AND FRAMES: MANHOLE COVERS AND FRAMES SHALL COMPLY WITH THE RELEVANT PROVISIONS OF THE BS EN 124M BS 7903 AND HIGHWAYS AGENCY GUIDANCE DOCUMENT HA 104/09. THEY SHALL BE OF NON-ROCKING DESIGN WHICH DOES NOT RELAY TO THE CUSHION INSERTS.
 - MANHOLE COVER ON FOUL ONLY SEWERS SHALL BE OF LOW LEAKAGE TYPES IN ORDER TO PREVENT EXCESSIVE SURFACE WATER INGRESS.
 - AS A MINIMUM, CLASS B250 SHALL BE USED.
 - ALL MATERIALS AND WORKMANSHIP MUST CONFORM TO REGULATION 7 OF THE BUILDING REGULATIONS, APPROVED CODES OF PRACTICE AND APPLICABLE BRITISH STANDARDS.
 - REPRODUCED FROM THE ORDNANCE SURVEY'S MAPS WITH THE PERMISSION OF THE CONTROLLER OF HIS MAJESTY'S STATIONARY OFFICE. CROWN COPYRIGHT. LICENCE NO. AC0000855691.

FOR TENDER

RESIDUAL RISKS				
Ref.	Risk	Impact / Consequences	Action	
⚠	Deep Excavation (bedrock)	1.1 Collapse of the sides of the excavation.	Contractor best practice for excavations to be adhered to, sides of excavation to be supported and/or benched, contractor to provide RAMS	Contractor (TBC)
		1.2 Materials falling onto the persons working in the excavation.	Excavations to be fenced off which will prevent materials or debris from falling into excavation.	Contractor (TBC)
		1.3 Ingress of water causing flooding	Contractor to implement temporary works to prevent water ingress from the adjacent SSSI into the excavations	N/A
		1.4 Equipment failure excavating into bedrock	Ensure that equipment is properly maintained and a daily plant check is carried out before use	Contractor (TBC)
⚠	Existing below ground services	2.1 Endangerment to life	Contractor best practice for excavations to be adhered to, SSOW HSG47, contractor to provide RAMS	Contractor (TBC)
⚠	Site perimeter security	3.1 Intervention by unidentified party(ies)	Contractor to produce site management plan	Contractor (TBC)
⚠		4.1 Workers being struck by vehicle movements	Contractor to determine requirements of working in close proximity to highway	Contractor (TBC)
⚠	Working in close proximity to rightaway	4.2 Aggression and violence from road users	Contractor to determine requirements of working in close proximity to highway	Contractor (TBC)
⚠		5.1 Prosecution by HSE, endangerment of life	Contractor to engage with licensed asbestos contractor	Contractor (TBC)
⚠	Trespassers during working hours	6.1 Prosecution of contractor, and/or loss of works due to damage effecting programme and costs	Contractor to erect hoarding at access/exit to/from site and marshalled by contractor's employee	Contractor (TBC)
⚠		7.1 During the replacement process, there is a risk of environmental contamination, which could have adverse effects on aquatic life and ecosystems. Designers must take measures to prevent such contamination during the replacement process.	Contractor to submit pre-contract RAMS to reduce the risk of contamination	Contractor (TBC)
⚠	Divert flow of effluent	8.1 Environmental issues	Contractor to submit pre-contract RAMS to reduce the risk of contamination	Contractor (TBC)
⚠	Site ground conditions	9.1 Saturated ground conditions due to poor weather conditions - programme delay	Project to be carried out during late summer/early fall	Client / Contractor
⚠		10.1 Undermining whilst excavating surrounding area	Contractor to provide RAMS	

CARREGLEFN, TREATMENT PLANT, ANGLESEY

DRAWING TITLE: PROPOSED SITE LAYOUT GENERAL ARRANGEMENT

DRAWING NO: 18026L-CCE-XX-XX-DR-C-0004

ORIGINATOR: D.P. DATE: 18.06.26 SCALE @ A1: 1:200 SUITABILITY: D2 REVISION: P02

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