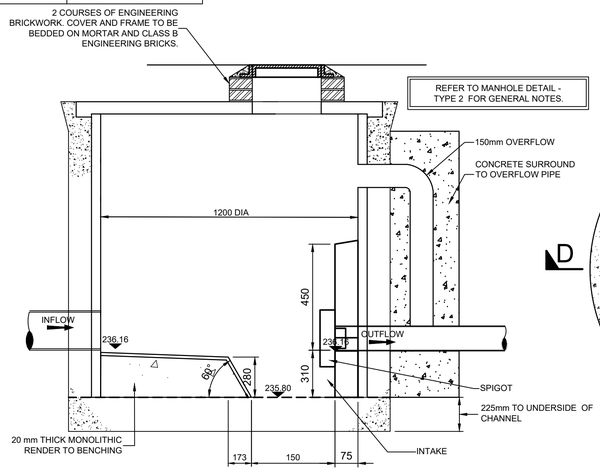
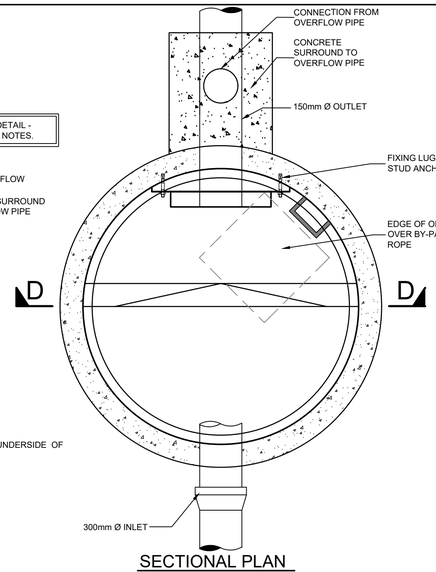
PROJECT No. 22296 | DRG No. 503

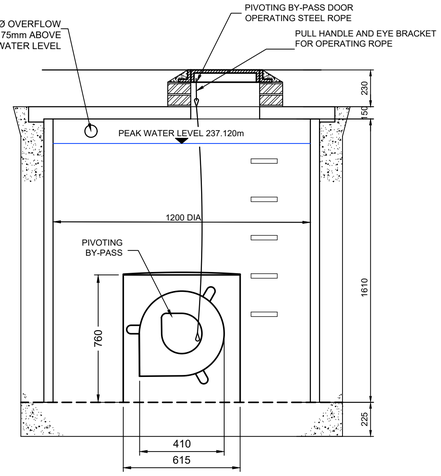
DO NOT SCALE



MANHOLE SECTION



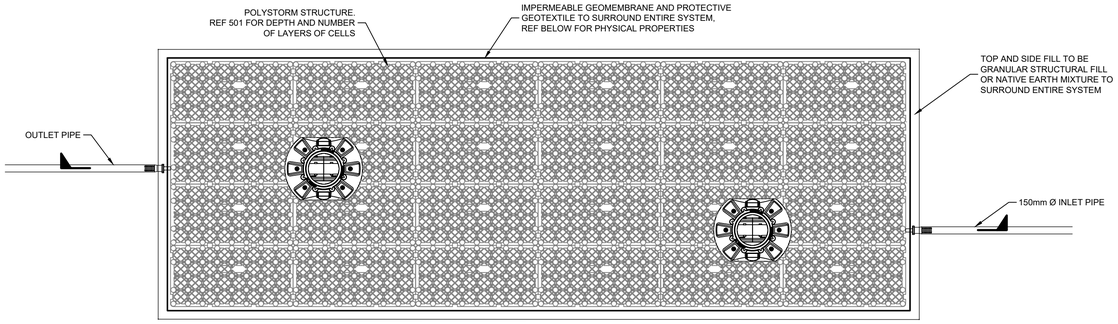
SECTIONAL PLAN



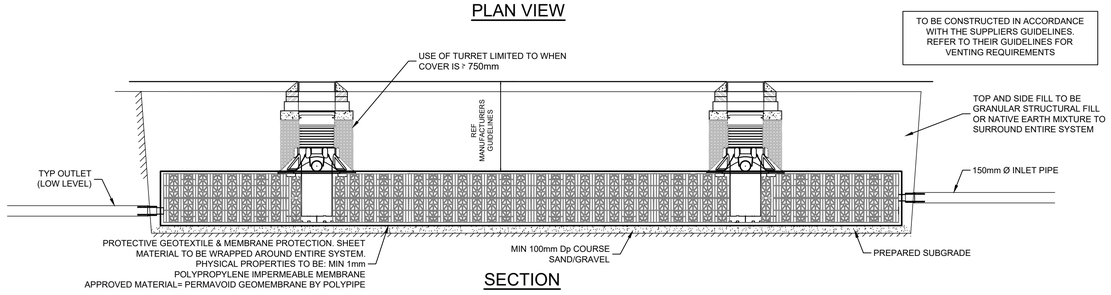
SECTION D-D

HYDROBRAKE CHAMBER - TYPE 2

NTS



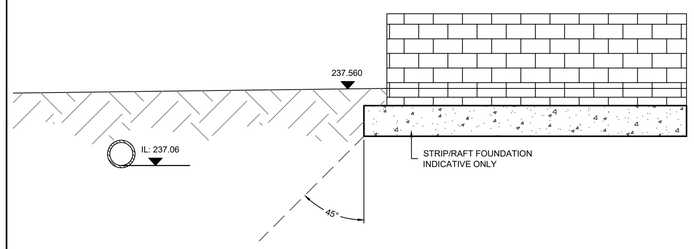
PLAN VIEW



SECTION

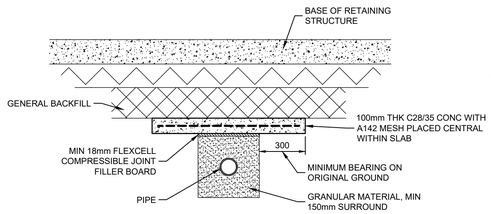
TYP. POLYSTORM ATTENUATION DETAIL

NTS



SECTION A-A

1:20



PROTECTION OF PIPE UNDER RETAINING STRUCTURE

1:20

TABLE 1	
Typ. Particle Size Distribution limits for laying course material	
BS SIEVE SIZE	% PASSING
14mm	100
10mm	98-100
6.3mm	80-99
2.0mm	0-20
1.0mm	0-5

LOAD CATEGORY 2 (2018)

LAID IN ACCORDANCE WITH MANUFACTURERS SPECIFICATION & PRODUCT LITERATURE

WEARING COURSE: PERMEABLE PAVING. SPEC BY ARCHITECT ASSUMES 60mm Dp BLOCK

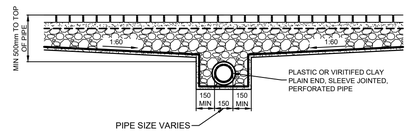
LAYING COURSE: 50mm THK. BEDDING 2-6mm SINGLE SIZED CLEAN CRUSHED STONE TO BS EN 13242:2002 AND CONFORM TO TABLE 1 OPPOSITE

GEOTEXTILE: GEOTEXTILE FABRIC LINING SEPARATION LAYER. TERRAM 1000 OR SIMILAR

SUB-BASE: COURSE GRADED AGGREGATE
MIN 150mm THK OF 4-20mm CLEAN CRUSHED STONE TO BS EN 13242:2002 (USE OF RECYCLED AGGREGATE NOT PERMITTED)

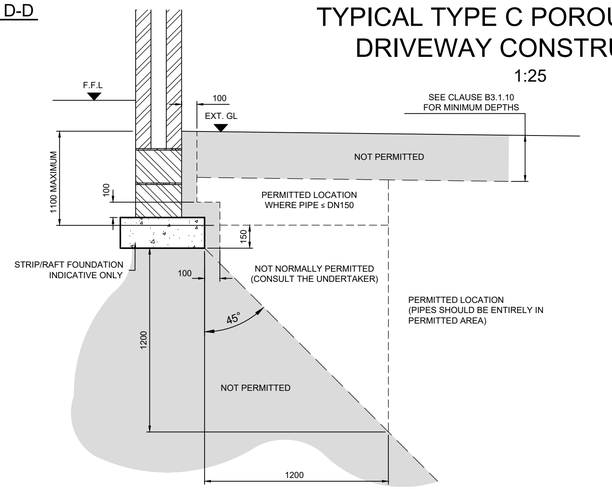
MEMBRANE: MIN 1mm THK POLYPROPYLENE IMPERMEABLE MEMBRANE SHEET TO BE WRAPPED AROUND ENTIRE SYSTEM

BLINDING LAYER: MIN 25mm THK SAND BLINDING LAYER OVER



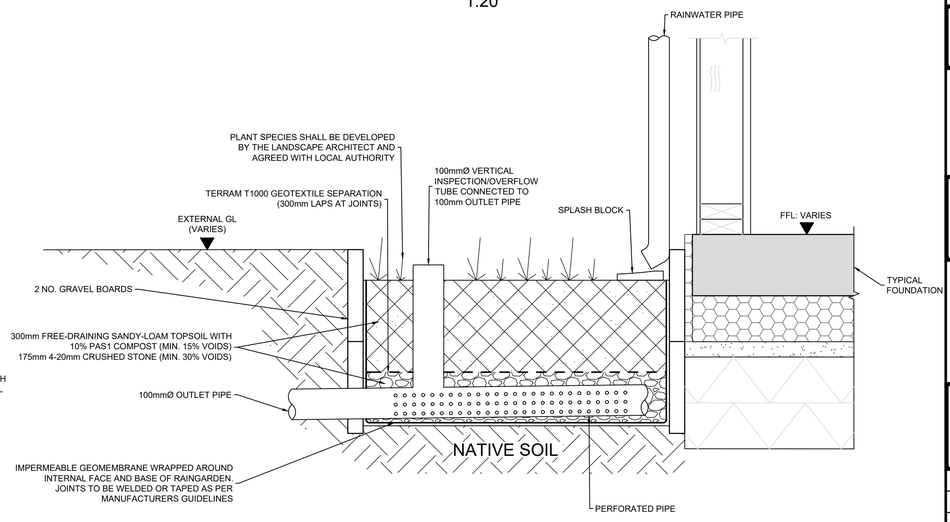
TYPICAL TYPE C POROUS PAVING DRIVEWAY CONSTRUCTION

1:25



SEWER IN CLOSE PROXIMITY TO BUILDING

1:20



RAINGARDEN DETAIL

1:10

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S, ENGINEER'S AND OTHER SPECIALISTS' DRAWINGS.
2. PLEASE REFER TO DATRYS DRAWING 22296/S185-1 FOR DIVERSION LAYOUT.
3. PLEASE REFER TO DATRYS DRAWING 22296/SAB-1 FOR SURFACE WATER LAYOUT.
4. **AT ALL OUTFALL POINTS TO AN 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 ANY MATERIALS IN ORDER TO ALLOW TIME FOR ANY NECESSARY REVISIONS TO THE HYDRAULIC DESIGN.**
5. THE DEVELOPER MUST SELF-VET AND CERTIFY THAT THE DESIGN CRITERIA, MATERIAL STANDARDS AND WORKMANSHIP SPECIFICATION FOR THE PROPOSED ADOPTABLE SEWERS ARE IN ACCORDANCE WITH THOSE SET OUT IN 'SEWERS FOR ADOPTION 7th EDITION AND THE REQUIREMENTS OF DCWW AS THE STATUTORY SEWERAGE UNDERTAKER, AND THE WELSH MINISTERS BUILD STANDARDS

NOTES FOR PIPE BEDDING & SURROUND

1. BACKFILLING TO PIPE TRENCHES BENEATH ROADS, CAR PARKING AND STRUCTURES TO BE D.O.T. TYPE 1 GRANULAR MATERIAL UP TO FORMATION LEVEL FROM THE TOP OF THE SPECIFIED PIPE SURROUND (WELL COMPACTED IN 150mm MAX LAYERS).
2. OPTIMUM TRENCH WIDTH = PIPE+300mm. CONTRACTOR TO ENSURE TRENCH WALLS ARE SUITABLY PROPPED
3. BACKFILL MUST NOT BE PLACED ON CONCRETE BEDDING OR SURROUND UNTIL THE CONCRETE COMPRESSIVE STRENGTH HAS REACHED 15N/mm²
4. BRICKS OR BLOCKS MUST NOT BE PLACED IN THE BEDDING MORTAR FOR SETTING THE PIPES TO LEVEL
5. ALL ROCKER PIPE LENGTHS : 600mm
6. MAX DISTANCE FROM FACE OF CONC SURROUND TO FIRST FLEXIBLE JOINT TO BE 150mm

REV	DATE	DESCRIPTION	BY	CHK	APP
P04	08.03.24	SECTION A-A AND SLAB PROTECTION DETAIL ADDED	CB	LI	LI
P03	29.11.23	RAINGARDEN DETAIL ADDED	CB	LI	LI
P02	13.10.23	OVERFLOW PIPE ADDED TO HYDROBRAKE DETAIL, AND TYPE C POROUS PAVING	CB	LI	LI

REVISIONS

CLIENT: Robert D. Jarvis

PROJECT: Dolwar, Coedpoeth

TITLE: Drainage Details Sheet 2

DATRYS

Caernarfon:
Unit 6 Block A, Doc Victoria
Caernarfon, LL55 1TH
Tel: 01286 671027

Mold:
Suite 4A, Broncoed House
Wrexham Road, Mold, CH7 1HP
Tel: 01352 706205
info@datrys.coop | www.datrys.net

DRAWN	CB	CHECKED	LI	PASSED	AC
DATE	23.05.23	CLIENT'S REF.			
SCALE AT A1	AS SHOWN	AUTOCAD REF.	22296/502		

DRAWING No. 22296/503 | REVISION P04

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