GENERAL

G1 DO NOT SCALE FROM THIS DRAWING.

G2 ALL LEVELS IN METRES UNLESS NOTED OTHERWISE ON DRAWING.

G3 THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEER'S AND ARCHITECT'S DRAWINGS AND RELEVANT SPECIFICATION CLAUSES.

G4 PLEASE REFER TO ARCHITECTS DRAWINGS FOR FINAL BUILDING LOCATION.

G6 ALL PROPOSED LEVELS ARE TO BE CONFIRMED BY THE ARCHITCT.

G7 FINAL LOCATIONS AND DETAILS OF SOIL VENT PIPES, STUB STACKS, RAINWATER DOWN PIPES, GULLIES ETC. TO BE CONFIRMED BY REFERENCE TO ARCHITECT' DRAWINGS.

G8 ALL THRESHOLD DRAIN DETAILS TO BE TO ARCHITECT' DETAILS.

LEGEND

NON-WOVEN GEOTEXTILE

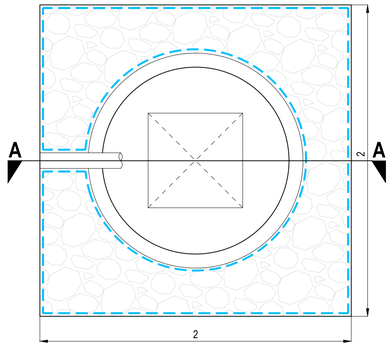
CAST INSITU CONCRETE

PRECAST CONCRETE

PLOT 1, 2 & 3 SOAKAWAYS

PROPOSED Ø1200mm CHAMBER SOAKAWAY WITH GRANUALR TRENCH SURROUND.
GRANUALR SURROUND PROVISION:
2.0m x 2.0m x 0.5m DEEP x 35% VOID RATIO.

SELECT BACKFILL MATERIAL FREE FROM DETRIUS PLACED AND COMPACTED IN LAYERS NOT EXCEEDING 300mm.



CHAMBER REF	A	B	C	D	CHAMBER Ø	SOAKAWAY LENGTH	SOAKAWAY WIDTH
S7	149.602m	148.228m	147.728m	148.120m	1200mm	2.0m	2.0m
S13	149.605m	148.599m	148.099m	148.491m	1200mm	2.0m	2.0m
S19	150.022m	148.722m	148.222m	148.615m	1200mm	2.0m	2.0m
S20	149.690m	148.374m	147.874m	148.266m	1800mm	3.0m	3.0m

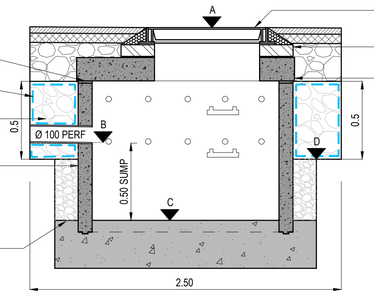
PRE CAST CONC CHAMBER SECTIONS & RC CONC COVER SLAB TO BE BEDDED WITH MORTAR, PROPRIETARY BITUMEN OR RESIN MASTIC SEALANT (TOKSTRIP OR SIMILAR)

GEO-TEXTILE MEMBRANE PROTECTION SHEET MATERIAL WRAPPED AROUND ENTIRE SYSTEM FOR INFILTRATION: MIN 125G/M² NON-WOVEN GEO-TEXTILE (MIN PERMEABILITY 75L/S/M²)

TYPE C FILTER MATERIAL TO SERIES 500 CLAUSE 505 DMRB NOMINALLY 20/40mm STONE (BROUGHT UP WITH RING AND PLACED AND COMPACTED BY HAND IN LAYERS NOT EXCEEDING 300mm).

DN1200 90mm THICK WALL TYPE 2 PERFORATED CHAMBER RINGS 500mm OR 1000mm DEEP WITH 75mm DIAMETER HOLES, PROVIDING A MINIMUM AREA OF EXFILTRATION OF 50,000mm² 28 HOLES PER METRE DEEP BY CPM CONCRETE OR EQUAL APPROVED. BOTTOM PRECAST SECTION TO BE BUILT INTO CONCRETE BASE BY MIN 75mm WHILE BASE IS STILL WET.

MIN 450mm x 250mm THICK C28/35 CONCRETE BASE ONTO MIN 50mm C16 CONCRETE BLINDING.



COVER & FRAME TO HAVE 675mm x 675mm CLEAR OPENING BEDDED & HAUNCHED WITH CLASS (i) MORTAR. DOUBLE TRIANGULAR COVER TO BS EN 124.

CLASS B ENGINEERING BRICKWORK OR PRECAST CONCRETE SEATING RINGS BEDDED ON CLASS M12 MORTAR. MIN 2 COURSES MAX 4 COURSES.

DN1200 150mm THICK TYPE 2 COVER SLAB WITH MIN 675mm x 675mm CLEAR OPENING BY CPM CONCRETE OR EQUAL APPROVED.

SOAKAWAY CONSTRUCTION DETAIL (SECTION A - A)

SCALE: 1:20

REV	DATE	DESCRIPTION	BY	CHK	APP
P01	22.08.2025	FIRST ISSUE	KB	KB	BT

DRAWING STATUS: **PRELIMINARY**

CLIENT: ROSS FREER

ARCHITECT: MATISCHOK & ROSS - ARCHITECTURAL SERVICES

PROJECT: WESTMINSTER ROAD, MOSS, WREXHAM

TITLE: SOAKAWAY DETAILS

STATUS:	PROJECT No.	DRAWING No.	REV:
S2	477	009	P01

SCALE @ A1:	DESIGNED:	DRAWN:	CHECKED:	APPROVED:	DATE:
STATED	BT	HI	KB	BT	AUGUST 2025

MÔN CIVILS LIMITED