

DISPERSION TRENCH TO BE LAID ON A LEVEL CONTOUR. 2.5M (MIN) OFF REAR BOUNDARY AND 10.0M (MIN) IN LENGTH. CONSTRUCTED OF JUMBO 410 HALF ROUND (OR APPROVED EQUIVALENT) EVERTRENCH BY EVERHARD.

SITE DRAINAGE PLAN

SCALE 1:200

PIT SCHEDULE		
PIT #	RL (AHD)	IL (AHD)
P1	79.14	78.74
P2	76.46	76.06
P3	70.25	69.65
P4	70.25	69.65

NOTE: ADDITIONAL DRAINAGE TO REAR YARD AND TENNIS COURT IS TO BE INSTALLED IN ACCORDANCE WITH AS 3500.3.

NOTES:

- ALL PIPES TO BE 100mm Ø, LAID AT 1 % MINIMUM GRADE AND uPVC TO AS 1254.2002 U.N.O.
- ALL PIPES SHALL BE LAID ON A 75mm SAND BED, COMPACTED TO 100% S.M.D.D. BELOW PAVEMENTS. (NO COMPACTION REQUIRED BELOW LANDSCAPING) COVER TO SURFACE FROM TOP OF PIPE TO BE 300mm MINIMUM. BACKFILL TO BE ADEQUATELY CONSOLIDATED AROUND PIPES BY METHOD OF RAMMING AND WATERING IN. TRENCHES TO BE FILLED WITH GRANULAR MATERIAL AS SPECIFIED.
- DOWN PIPE LOCATIONS ARE INDICATIVE ONLY. LOCATIONS TO BE CONFIRMED WITH ARCHITECT PRIOR TO COMMENCEMENT OF WORK.
- PROVIDE CLEANING EYES AND LEAF CATCHERS TO ALL DOWNPIPES
- ALL WORK TO BE IN ACCORDANCE WITH LOCAL COUNCIL STANDARDS AND SPECIFICATIONS.
- ALL LEVELS SHOWN ARE TO AHD
- ENSURE THAT ALL PITS AND STORMWATER PIPES ARE LOCATED CLEAR FROM TREE ROOT SYSTEMS.
- ALL EXISTING EARTHENWARE PIPES TO BE UPGRADED TO uPVC.
- ALL WORKS TO BE IN ACCORDANCE WITH AS 3500-2003 NATIONAL PLUMBING DRAINAGE CODE PART 3 - STORMWATER DRAINAGE.
- SUB-SOIL DRAINS ARE TO BE INSTALLED IN ACCORDANCE WITH AS3500.3 ALONGSIDE WALLS THAT IMPEDE THE NATURAL FLOW OF GROUNDWATER. THIS MAY ALSO INVOLVE TRENCHING INTO THE CLAY OR ROCK SUBGRADE TO DIRECT GROUNDWATER AWAY FROM STRUCTURES.
- EXISTING ROOF DRAINAGE AND SITE DRAINAGE SYSTEM TO BE CHECKED AND UPGRADED AS REQUIRED. BUILDER TO INSPECT AND UPGRADE DRAINAGE IN ACCORDANCE WITH AS 3500.3 IF REQUIRED.

SITE INFORMATION SUMMARY

COUNCIL	NOTHERN BEACHES (WARRINGAH)
SITE AREA	976 m ²

OSD CALCULATION SUMMARY

EXISTING IMPERVIOUS AREA	544 m ² (56 %)
PROPOSED IMPERVIOUS AREA	916 m ² (94 %)
INCREASE	372 m ²
OSD REQUIREMENT	NIL (ADDITIONS)

BUILDER TO INSPECT EXISTING DRAINAGE AND UPGRADE AS REQUIRED IN ACCORDANCE WITH AS3500.3

AS REQUIRED IN ACCORDANCE WITH AS3500.3
SURFACE AND SUBSOIL DRAINAGE LINES TO BE INSTALLED

LEGEND

DP1 ●	100mm Ø DOWNPIPE TO BOUNDARY RWT
	STORMWATER PIT
	100mm Ø STORMWATER PIPELINE, UNO
	100mm Ø STORMWATER PIPELINE, UNO

NO INVESTIGATION OF UNDERGROUND SERVICES HAS BEEN MADE. ALL RELEVANT AUTHORITIES SHOULD BE NOTIFIED PRIOR TO ANY EXCAVATION ON OR NEAR THE SITE

IF IN DOUBT ASK

DEVELOPERS & EXCAVATORS MAY BE HELD FINANCIALLY RESPONSIBLE BY THE ASSET OWNER SHOULD THEY DAMAGE UNDERGROUND NETWORKS.

CARELESS DIGGING CAN:


- CAUSE DEATH OR SERIOUS INJURY TO WORKERS AND THE GENERAL PUBLIC
- INCONVENIENCE USERS OF ELECTRICITY, GAS, WATER AND COMMUNICATIONS
- LEAD TO CRIMINAL PROSECUTION AND DAMAGES CLAIMS
- CAUSE EXPENSIVE FINANCIAL LOSSES TO BUSINESS
- CUT OFF EMERGENCY SERVICES
- DELAY PROJECT COMPLETION TIMES WHILE THE DAMAGE IS REPAIRED

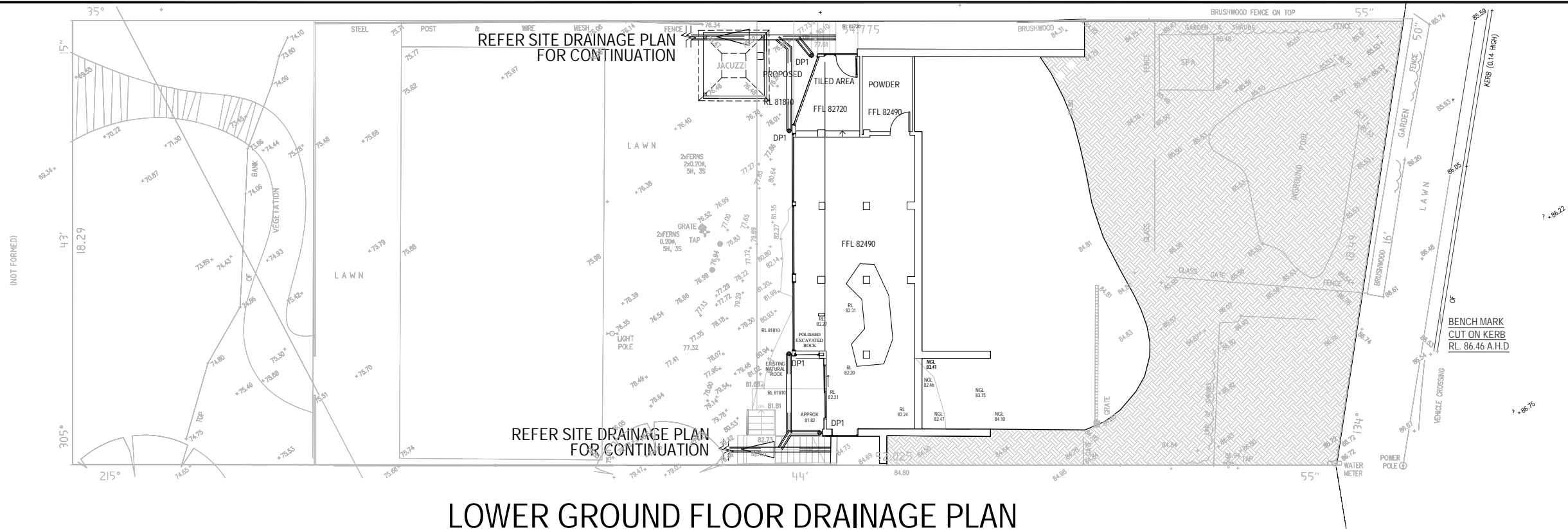
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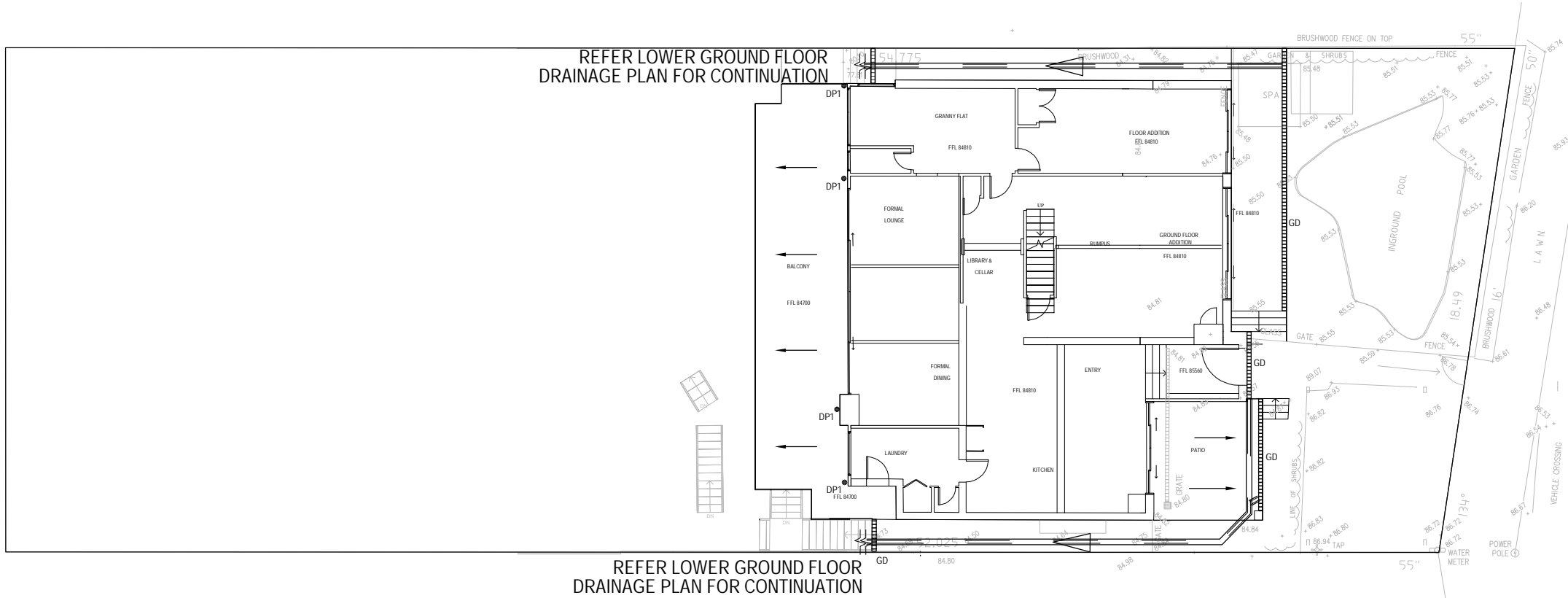
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			Client	M & L BOYD	 <div>GREENWOOD CONSULTING ENGINEERS</div> <div>2/25 Seabeach Avenue, Mona Vale eliot@greenwoodengineers.com.au ABN - 90 625 916 341</div>	Project	9 LOLITA AVENUE FORESTVILLE	Drawn EG	Designed EG	Date 21/10/19
B	ISSUE FOR DA SUBMISSION	21/10/19	Architect	Dellview Design Pty Ltd		Checked EG	Approved EG	Scale 1 : 200		
A	ISSUED FOR CC SUBMISSION	07/10/19								
-	ISSUED FOR DA SUBMISSION	10/7/18								
REVISION	AMENDMENT	DATE								



LOWER GROUND FLOOR DRAINAGE PLAN

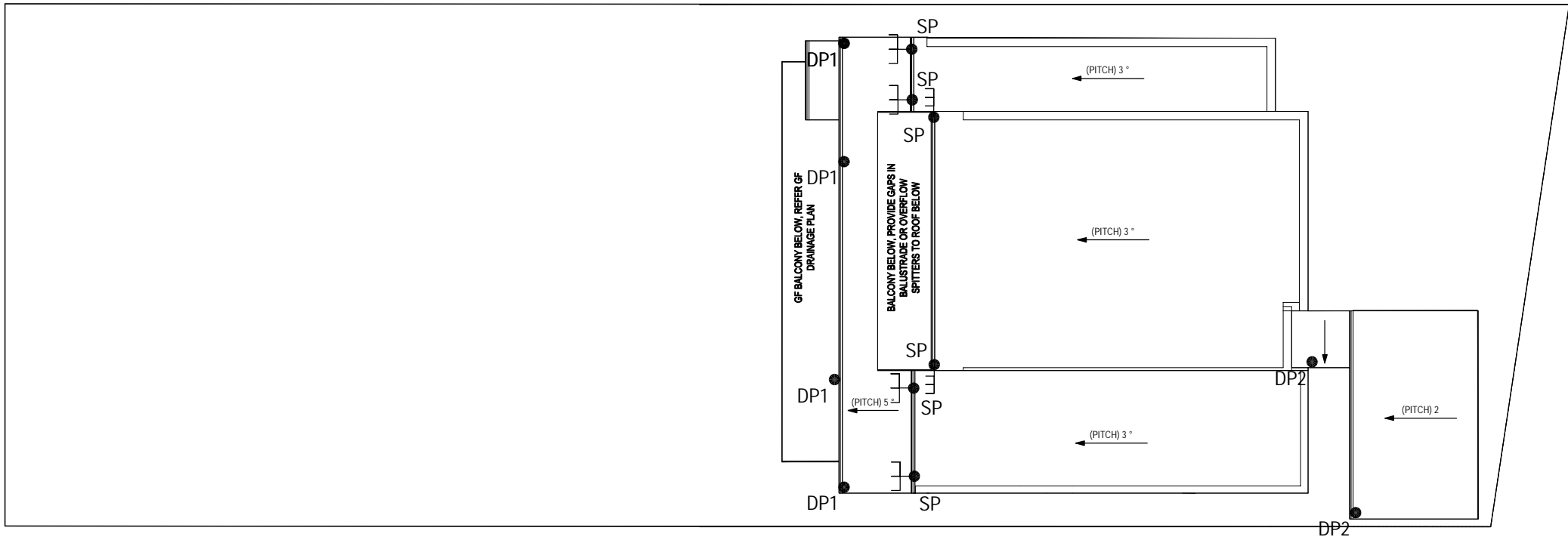
SCALE 1:200



GROUND FLOOR DRAINAGE PLAN

SCALE 1:200

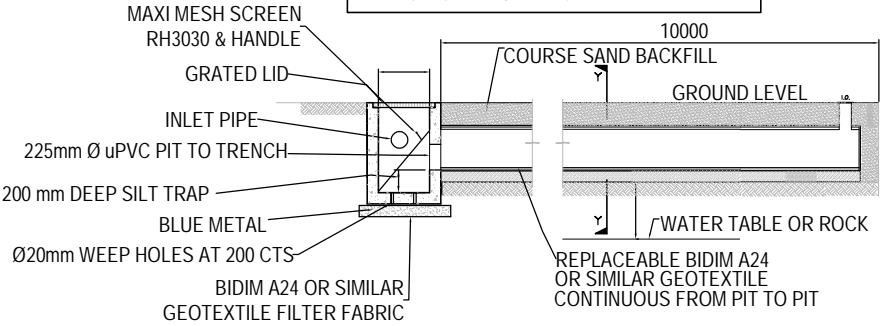
			Client	<div>M & L BOYD</div> <div> GREENWOOD CONSULTING ENGINEERS</div> <div>2/25 Seabeach Avenue, Mona Vale eliot@greenwoodengineers.com.au ABN - 90 625 916 341</div>	Project	9 LOLITA AVENUE FORESTVILLE	Drawn	Designed	Date		
			Architect				EG	EG	21/10/19		
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A	ISSUED FOR CC SUBMISSION	07/10/19									
-	ISSUED FOR DA SUBMISSION	10/7/18									
REVISION	AMENDMENT	DATE		Title		LGF AND GF DRAINAGE PLAN	Drawing number		DO2	Revision	B



ROOF DRAINAGE PLAN

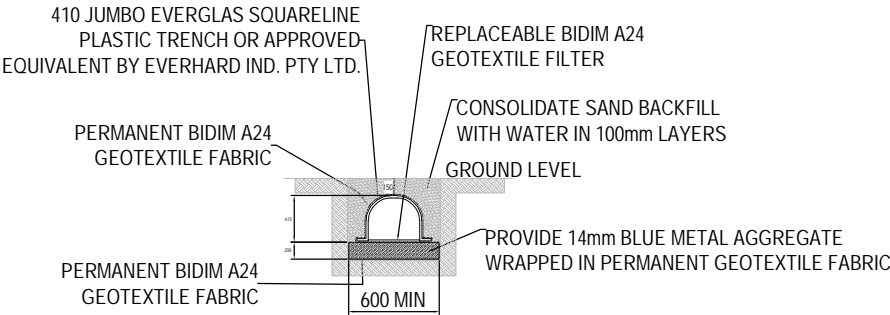
SCALE 1:200

- NOTE: INFILTRATION / DISPERSION TRENCH**
- 1. GEOTECHNICAL ENGINEER TO VERIFY INFILTRATION RATE AND SITE SUITABILITY FOR INFILTRATION / DISPERSION.
 - 2. TRENCH TO BE LAID ON A LEVEL CONTOUR.
 - 3. GROUND LEVEL ABOVE TRENCH MUST BE LEVEL SO AS TO EVENLY DISPERSE WATER DOWN HILL OF THE TRENCH
 - 4. IF ROCK IS ENCOUNTERED DURING EXCAVATION FOR TRENCH NOTIFY ENGINEER FOR ALTERNATE DETAIL.



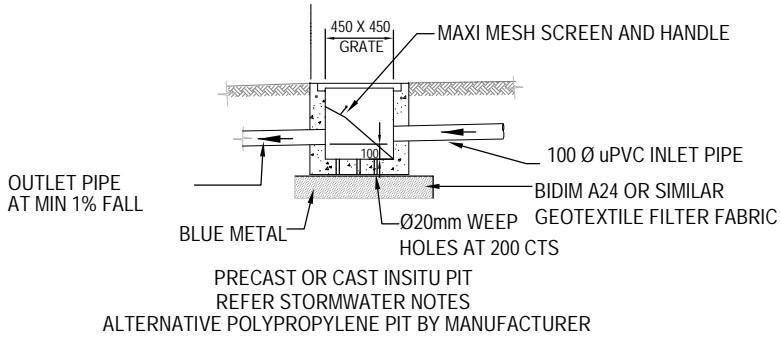
DISPERSION TRENCH LONGITUDINAL SECTION

SCALE = NTS



SECTION Y-Y

SCALE = NTS



450 x 450 PIT DETAIL

SCALE = NTS

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REVISION	AMENDMENT	DATE				Title	ROOF DRAINAGE PLAN	Drawing number DO3	Revision B	