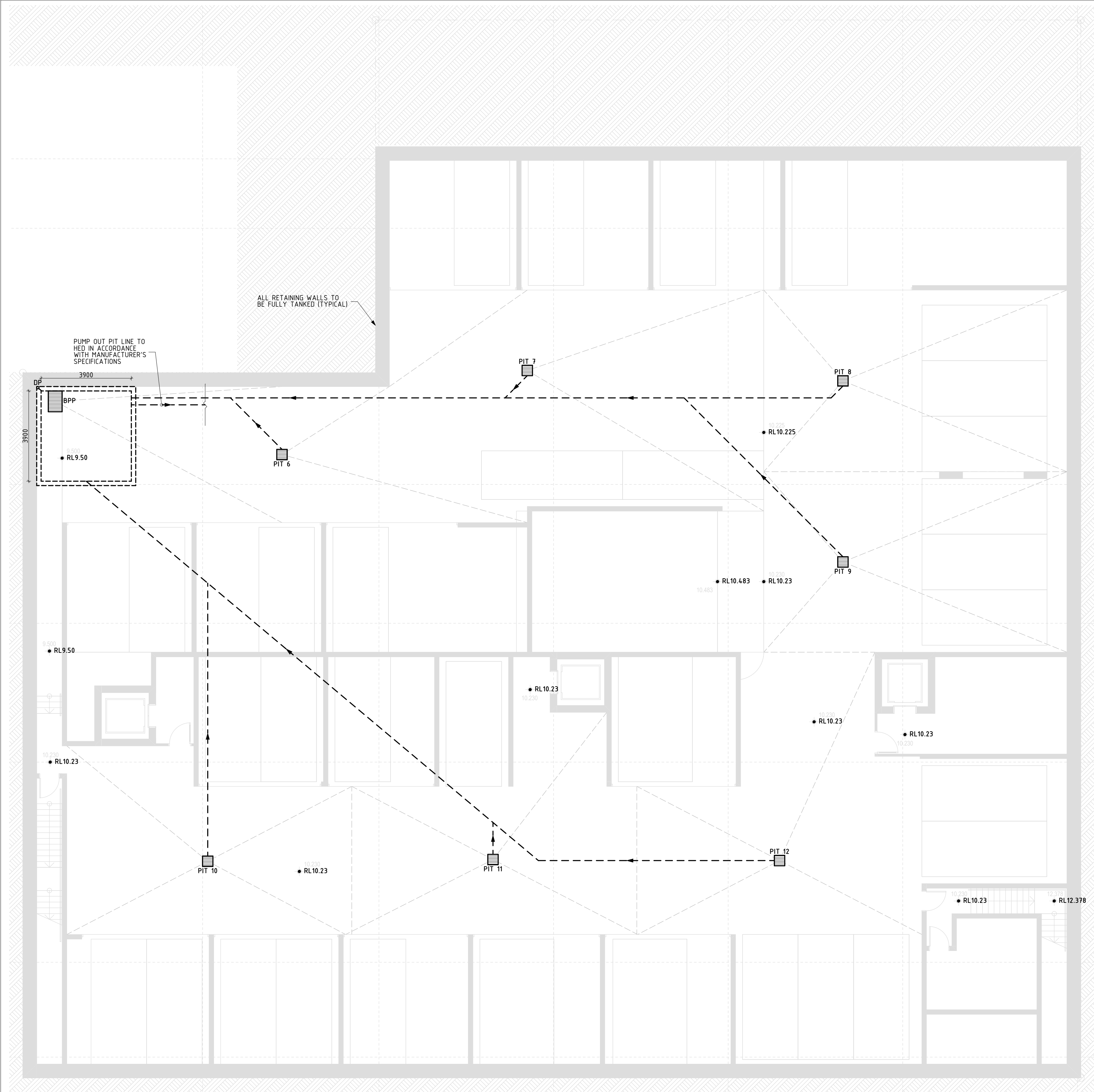


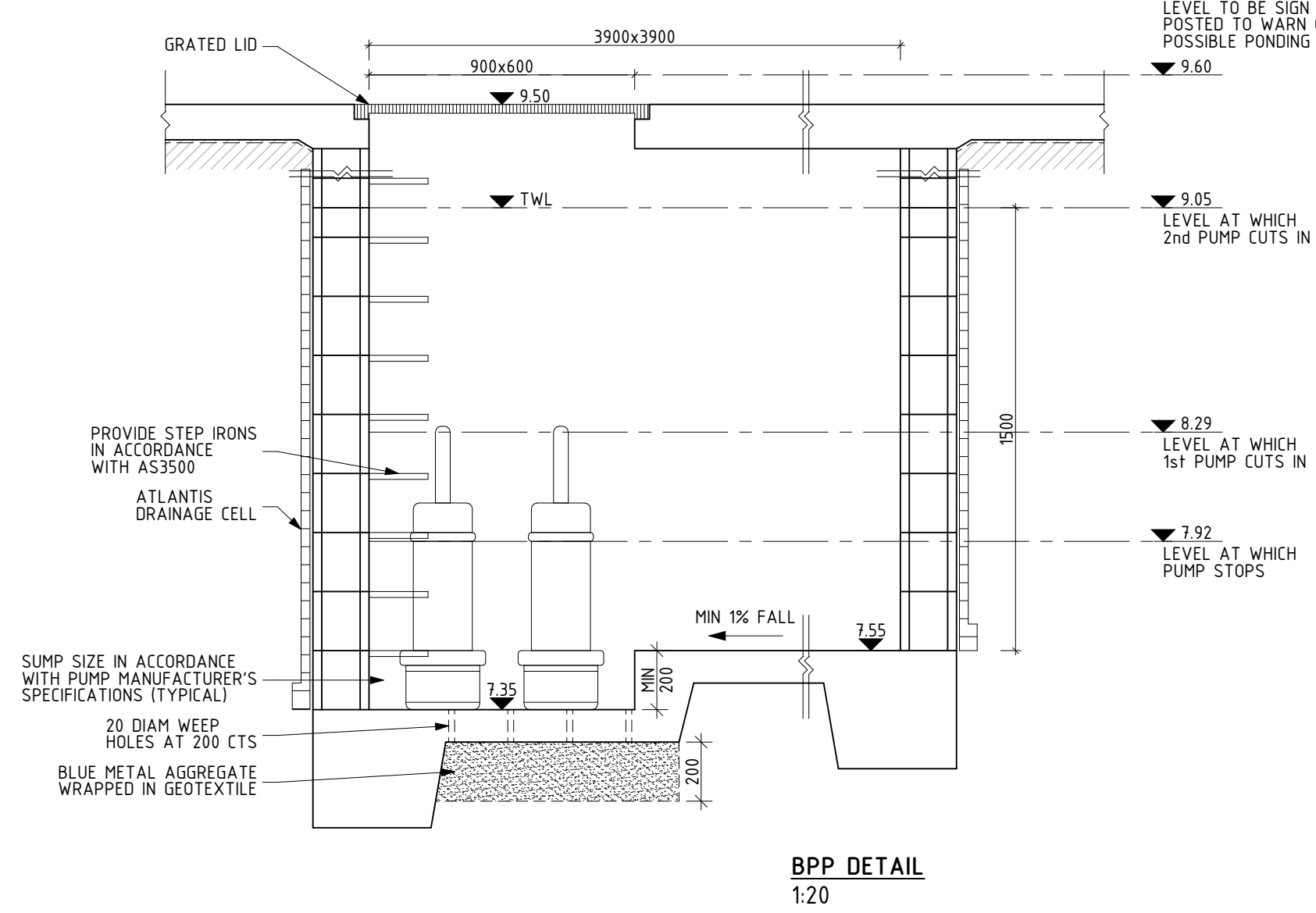
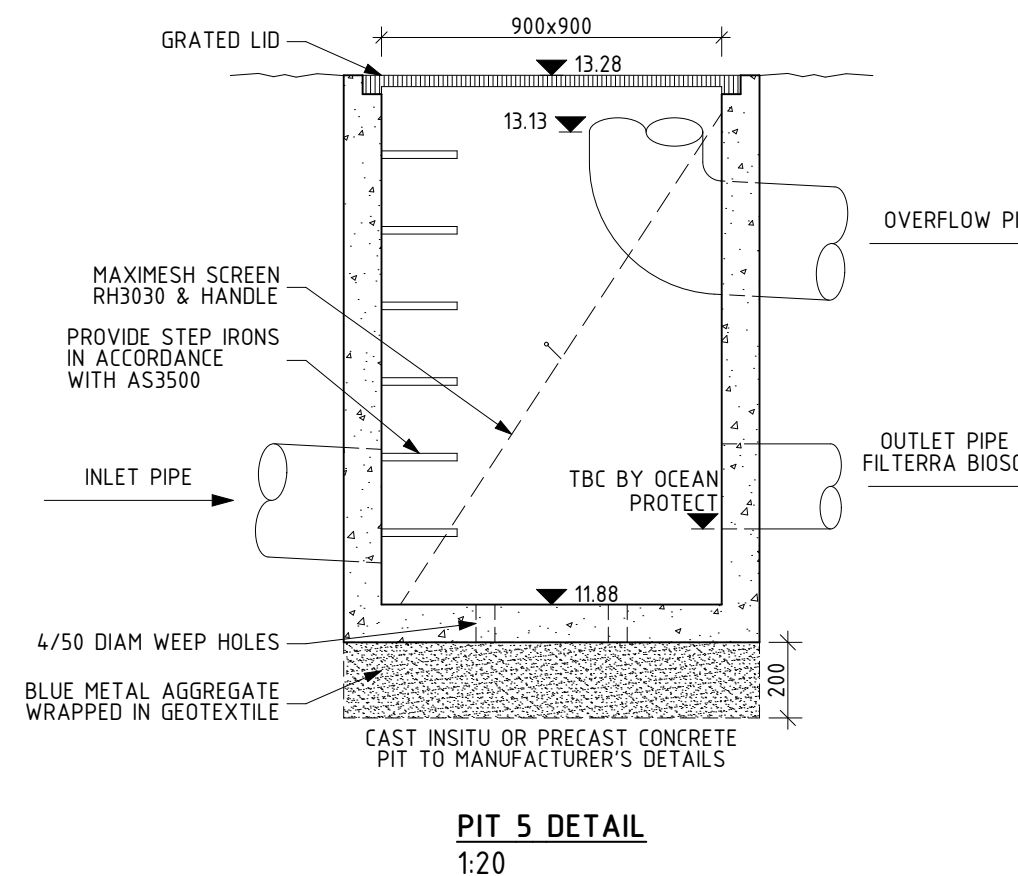
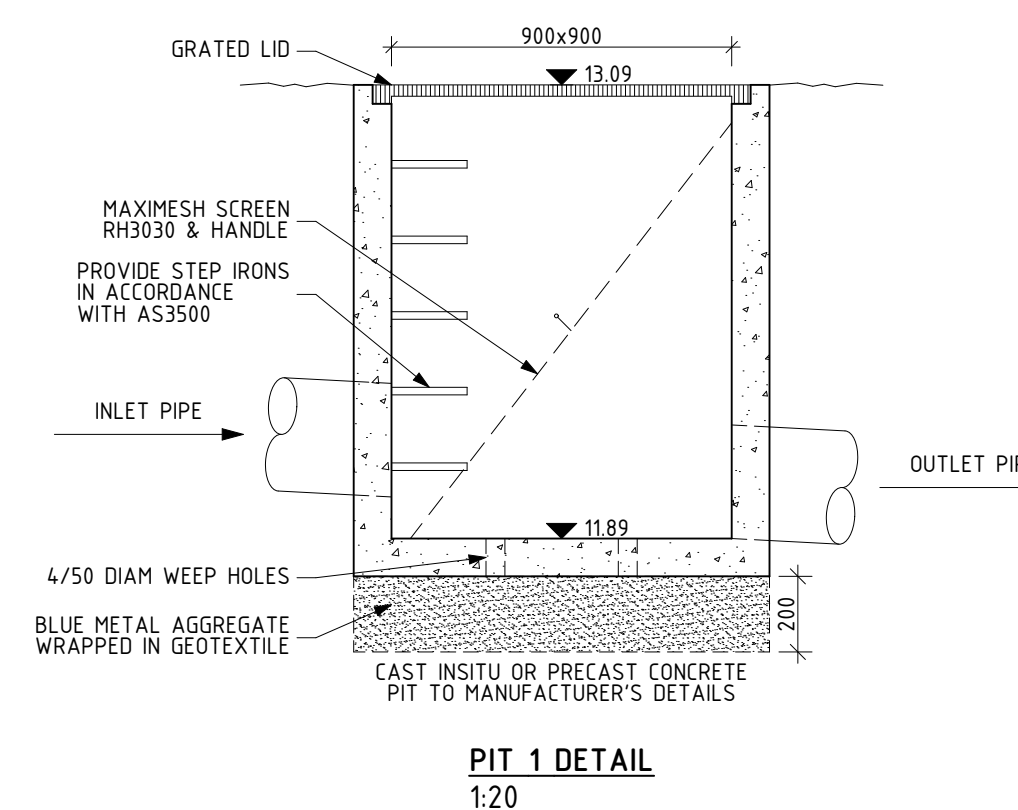
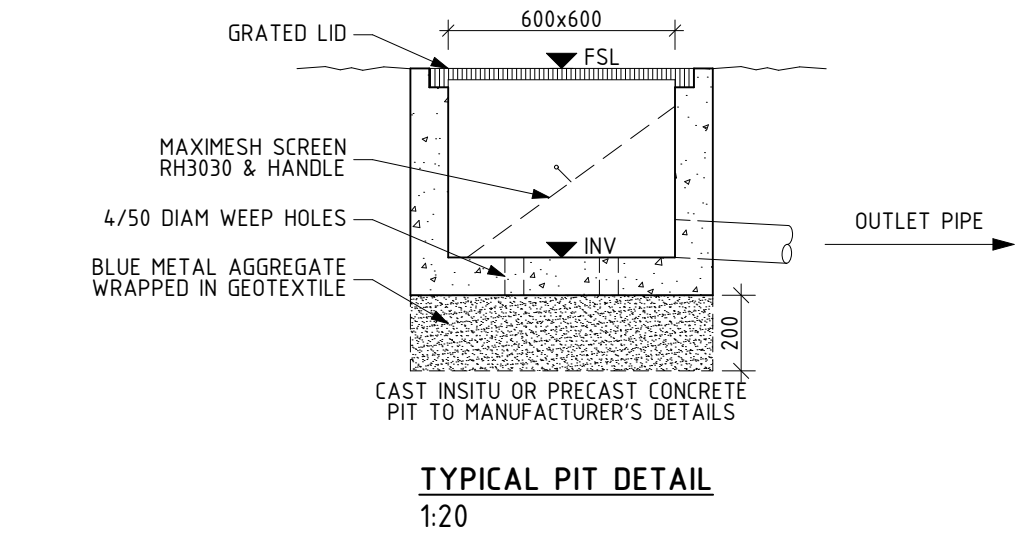
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B	29/04/2024	OUTLET PLAN ADDED AT COUNCIL'S REQUEST. AMENDED TO SUIT UPDATED ARCH DRAWINGS	DI			
A	21/09/2023	ISSUE FOR DA SUBMISSION ONLY	DI			
1	28/07/2023	ISSUE FOR REVIEW ONLY	DI			

ARCHITECT	GARTNER TROVATO ARCHITECTS
CLIENT	COLLARROY PROJECTS PTY LTD ATF COLLARROY PROJECTS UNIT TRUST

STATUS	ISSUE FOR DA SUBMISSION ONLY	DATE	JUL 2023
PROJECT	1010 - 1014 PITTWATER ROAD, COLLARROY	PROJECT NUMBER	230602
DRAWING	GROUND FLOOR DRAINAGE & SITE STORMWATER MANAGEMENT & OUTLET PLAN	DRAWING NUMBER	D01
DESIGNED	DM	SCALE	REFER DWG
DRAWN	DM	PAGE SIZE	A1
CHECKED	DI	REVISION	B



BASEMENT DRAINAGE PLAN
1:100

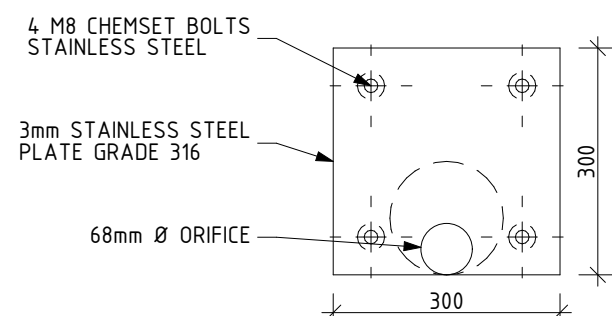
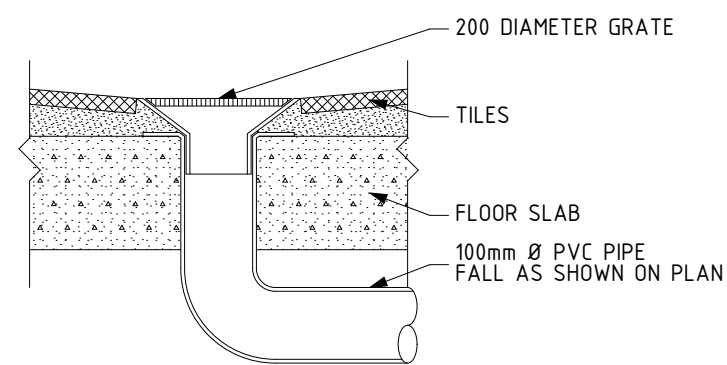
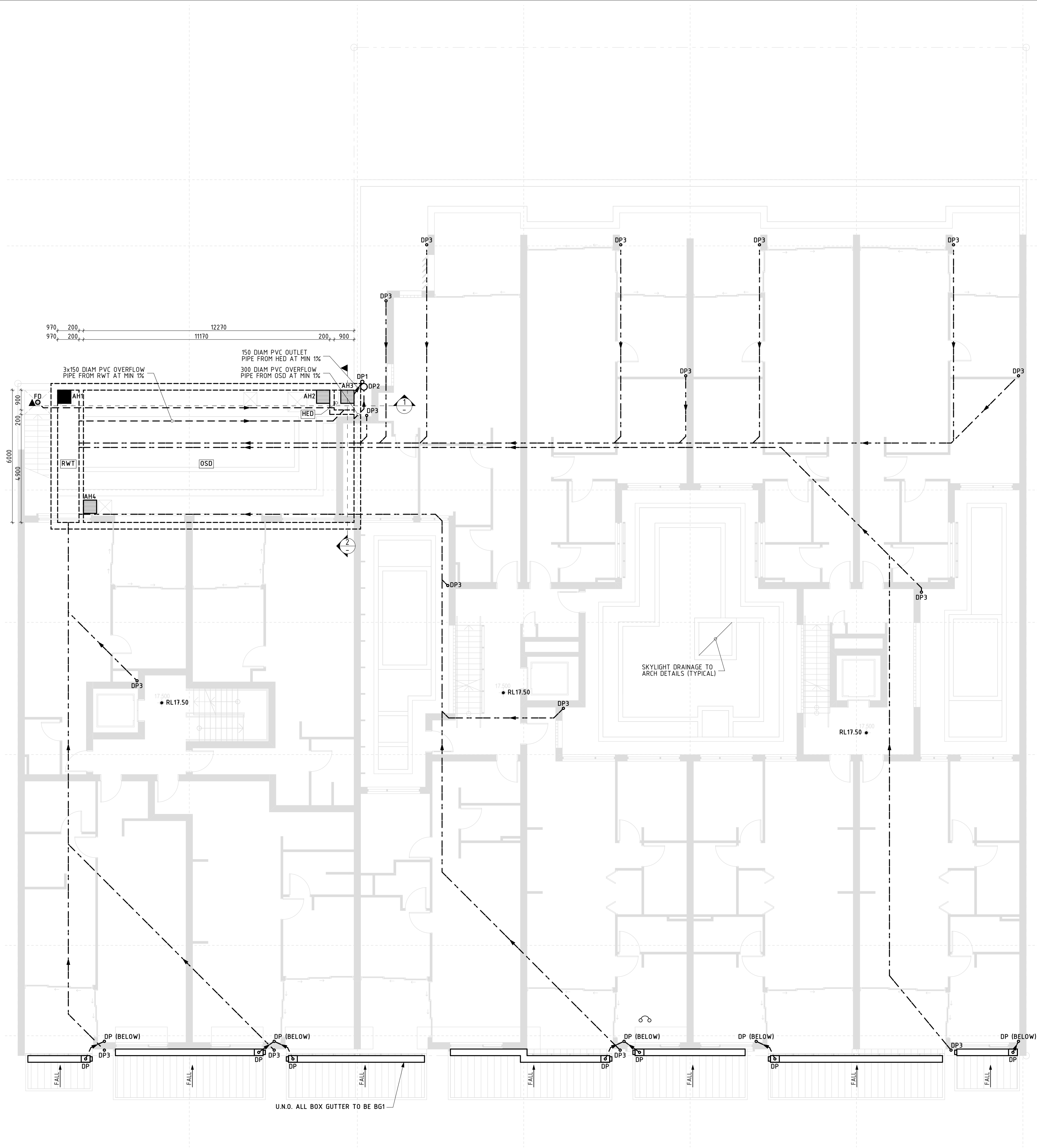


MARK	SIZE/TYPE	FSL	INV
PIT 6	450x450 PIT WITH GRATED LID	COS	COS (500 DEEP)
PIT 7	450x450 PIT WITH GRATED LID	COS	COS (500 DEEP)
PIT 8	450x450 PIT WITH GRATED LID	10.225	9.725
PIT 9	450x450 PIT WITH GRATED LID	10.23	9.73
PIT 11	450x450 PIT WITH GRATED LID	10.23	9.73
PIT 12	450x450 PIT WITH GRATED LID	10.23	9.73
BPP	MIN 22.8m ³ BASEMENT PUMP OUT PIT - REFER DETAIL	9.50	7.35

--- DENOTES 100 DIAM PVC AT MIN 1% U.N.O.
--- DENOTES RIDGE LINE IN SLAB

- PUMP NOTES:**
1. PROVIDE DUAL SUBMERSIBLE, SELF ACTIVATING PUMP SET WITH EACH PUMP RATED AT 10L/s DISCHARGE RATE OVER 11.5m HEAD.
 2. VALUE OF HEAD TO BE CONFIRMED ONCE EXCAVATION COMPLETE & PRIOR TO ORDERING PUMPS.
 3. PUMP SIZE AND PRESSURE PIPE DIAMETER TO BE DETERMINED BY PUMP MANUFACTURER.
 4. SET PUMPS TO ALTERNATE PUMP ACTIVATION.
 5. PROVIDE HIGH LEVEL DUAL PUMP ACTIVATION.
 6. PROVIDE VISIBLE ALARM IN CASE OF PUMP FAILURE. ALARM SYSTEM SHALL BE PROVIDED WITH BATTERY BACK-UP IN CASE OF POWER FAILURE.
 7. PUMPS TO BE FITTED WITH EITHER BATTERY BACK-UP OR DIESEL GENERATOR.
 8. PUMPS TO BE FITTED SECURELY INSIDE PUMP OUT WELL.
 9. PROVIDE GATE AND NON-RETURN VALVES TO DELIVERY SIDE OF EACH PUMP.
 10. LOCATE HIGH AND LOW LEVEL ALARMS CLEAR OF INLETS TO PREVENT FALSE ALARMS.
 11. PROVIDE LITTER SCREEN ABOVE PUMP SET.

PUMP OUT PIT CALCULATION SHEET	
CONTRIBUTING AREA:	168m (BASEMENT PERIMETER) x 3.97 (BASEMENT WALL HEIGHT) = 667 m ²
ARI:	10 YEARS
STORM PERIOD:	120 MIN
RAINFALL INTENSITY:	30.3 mm/h
VOLUME FOR 2 HOURS STORM (V _{2h/120}):	40.4 m ³
PUMP CAPACITY:	10 L/s
VOLUME PUMPED IN 30 MIN (PC ₃₀):	18 m ³
V _{10/120} - PC ₃₀ :	22.4 m ³
1% OF CATCHMENT AREA:	6.7 m ³
MINIMUM WET WELL STORAGE REQUIRED:	22.4 m ³
WET WELL STORAGE PROVIDED:	22.8 m ³

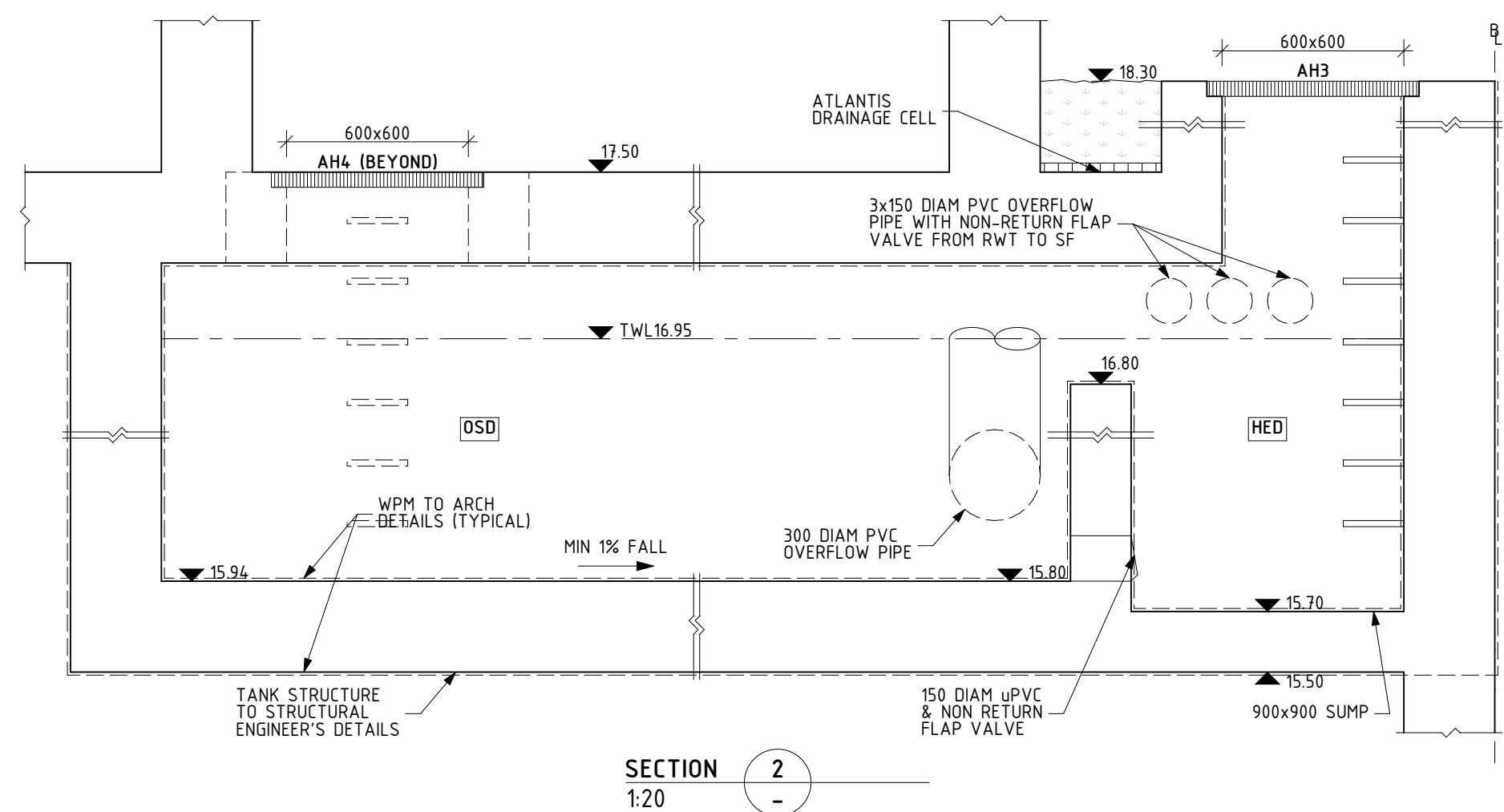
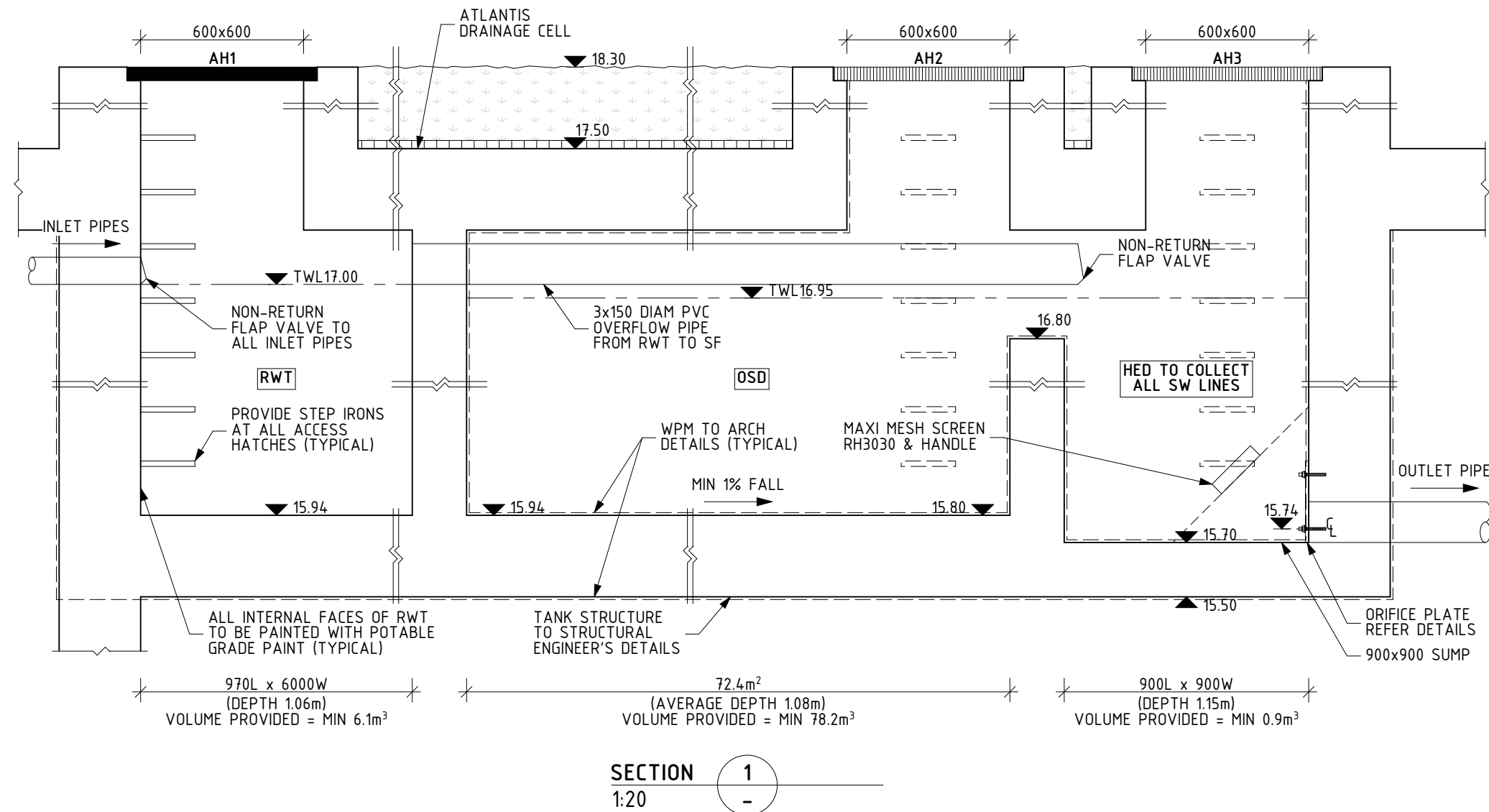


MARK	SIZE/TYPE	FSL	INV
AH1	600x600 PRESSURE SEALED ACCESS HATCH	18.30	-
AH2	600x600 GRATED ACCESS HATCH	18.30	-
AH3	600x600 GRATED ACCESS HATCH	18.30	-
AH4	600x600 GRATED ACCESS HATCH	17.50	-
FD	200 DIAMETER FLOOR DRAIN	-	-
DP	100 DIAMETER PVC DOWNPIPE	-	-
DP1	150 DIAMETER PVC DOWNPIPE	-	-
DP2	300 DIAMETER PVC DOWNPIPE	-	-
DP3	100 DIAMETER SEWER GRADE PVC PRESSURE SEALED CHARGED DOWNPIPE	-	-
BG1	300 WIDE x MIN 110 DEEP BOX GUTTER WITH 400 LONG x 300 WIDE x 50 DEEP SUMP AT DOWNPIPE & 200 WIDE x 65 HIGH OVERFLOW SLOT THROUGH END OF BOX GUTTER	-	-
RWT	6100 LITRE SUSPENDED RAINWATER RE-USE TANK BELOW LEVEL 1 (970Lx6000Wx1050D). TANK TO COLLECT RAINWATER RUNOFF FROM ALL ROOF AREAS AS SHOWN & BE RE-USED FOR TOILETS, LAUNDRIES, CAR WASH, IRRIGATION, POOL & SPA. TANK TO BE FITTED WITH FIRST FLUSH DEVICE & WATER FILTRATION DEVICES & INSTALLED IN ACCORDANCE WITH ASS500, BASIX & SYDNEY WATER REQUIREMENTS. ALL CONNECTIONS INTO & OUT OF TANK TO BE FULLY SEALED.	-	-
OSD	MIN 78200 LITRE SUSPENDED ON-SITE DETENTION TANK BELOW LEVEL 1 (172.4m x 1080D (AVERAGE))	-	-
HED	MIN 900 LITRE HIGH EARLY DISCHARGE CHAMBER (900Lx900Wx1150D)	-	-

NOTE:

- PROVIDE GUTTER GUARD TO ALL GUTTERS
- MOSQUITO PROOF MESH TO BE PROVIDED AT ALL END POINTS TO CHARGED LINES
- ALL PIPES UNDER SUSPENDED FLOOR TO BE STRAPPED TO UNDERSIDE OF FLOOR STRUCTURE
- BALCONY & TERRACE DRAINAGE TO FUTURE DETAILS

---	DENOTES 100 DIAM PVC AT MIN 1% U.N.D.
---	DENOTES 100 DIAM SEWER GRADE PVC PRESSURE SEALED CHARGED LINE U.N.D.
---	DENOTES RIDGE LINE IN SLAB



LEVEL 1 DRAINAGE PLAN
1:100

REV	DATE	REVISION DESCRIPTION	BY	REV	DATE	REVISION DESCRIPTION
B	29/04/2024	AMENDED TO SUIT UPDATED ARCH DRAWINGS	DI			
A	21/09/2023	ISSUE FOR DA SUBMISSION ONLY	DI			
1	28/07/2023	ISSUE FOR REVIEW ONLY	DI			

ARCHITECT	GARTNER TROVATO ARCHITECTS
CLIENT	COLLARROY PROJECTS PTY LTD ATF COLLARROY PROJECTS UNIT TRUST

STATUS	ISSUE FOR DA SUBMISSION ONLY			DATE	JUL 2023
PROJECT	1010 - 1014 PITTWATER ROAD, COLLARROY			PROJECT NUMBER	230602
DRAWING	LEVEL 1 DRAINAGE PLAN			DRAWING NUMBER	D03
DESIGNED	DM	SCALE	REFER		
DRAWN	DM	PAGE SIZE	A1		
CHECKED	DI	REVISION	B		

NOTE:

- MOSQUITO PROOF MESH TO BE PROVIDED AT ALL END POINTS TO CHARGED LINES
- ALL PIPES UNDER SUSPENDED FLOOR TO BE STRAPPED TO UNDERSIDE OF FLOOR STRUCTURE
- BALCONY & TERRACE DRAINAGE TO FUTURE DETAILS

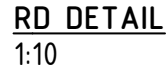
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iSTRUCT[®]
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ARCHITECT	GARTNER TROVATO ARCHITECTS
CLIENT	COLLARROY PROJECTS PTY LTD ATF COLLARROY PROJECTS UNIT TRUST

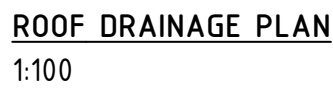
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PROJECT			DESIGNED		SCALE		PROJECT NUMBER	
1010 - 1014 PITTSWATER ROAD, COLLAROY			DM		REFER		230602	
			DRAWN		DWG PAGE SIZE			
DRAWING			DM		A1		DRAWING NUMBER	
LEVEL 2 DRAINAGE PLAN			CHECKED		REVISION		D04	
			DI		B			

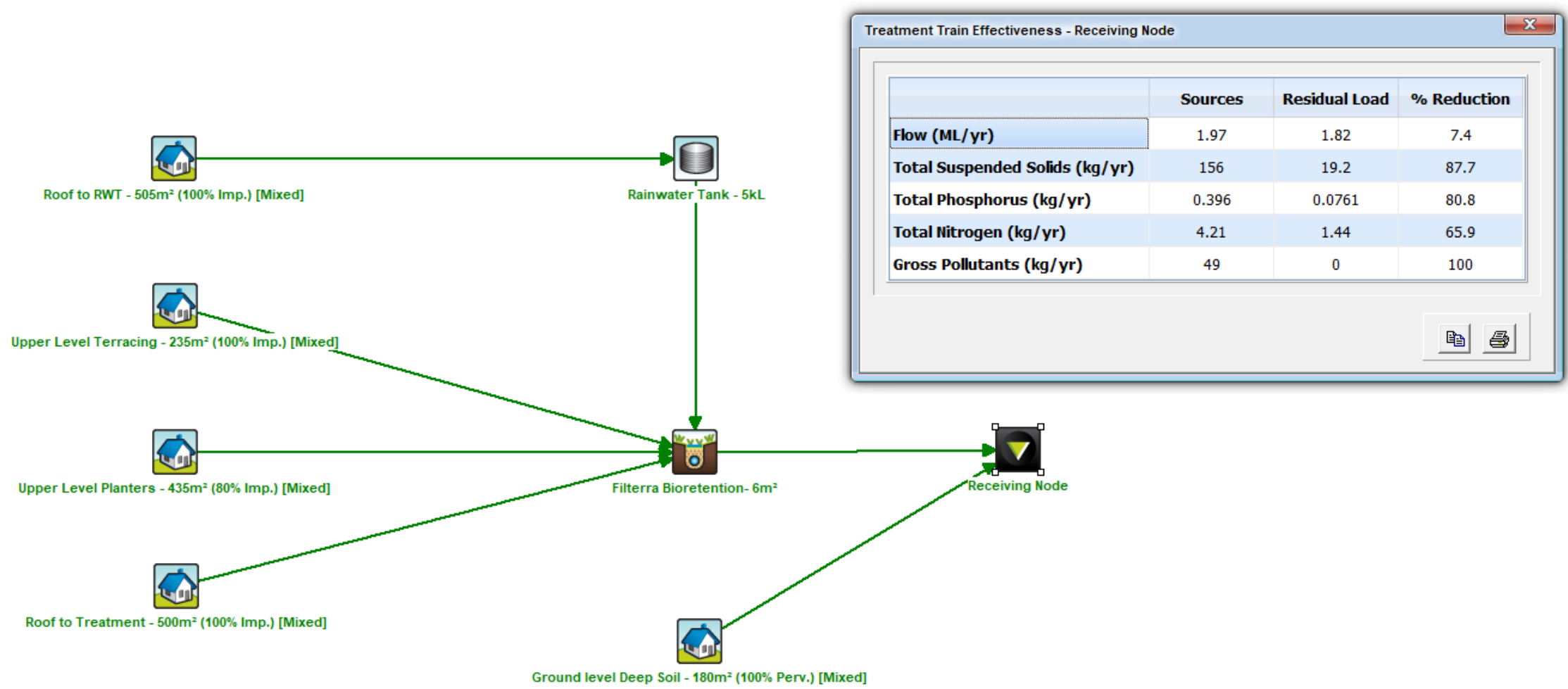
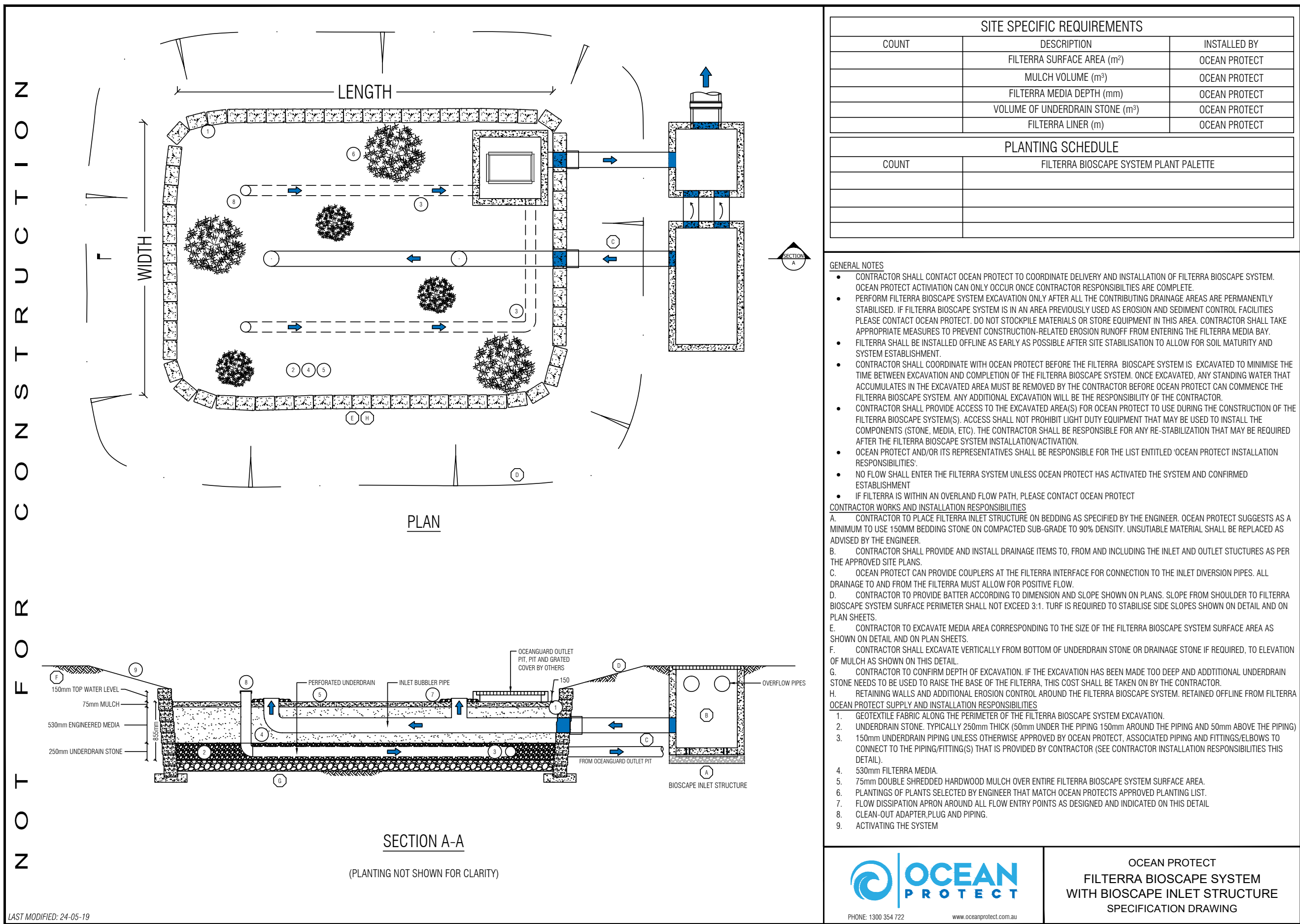


NOTE:

- PROVIDE GUTTER GUARD TO ALL GUTTERS
- MOSQUITO PROOF MESH TO BE PROVIDED AT ALL END POINTS TO CHARGED LINES
- ALL PIPES UNDER SUSPENDED FLOOR TO BE STRAPPED TO UNDERSIDE OF FLOOR STRUCTURE
- BALCONY & TERRACE DRAINAGE TO FUTURE DETAILS

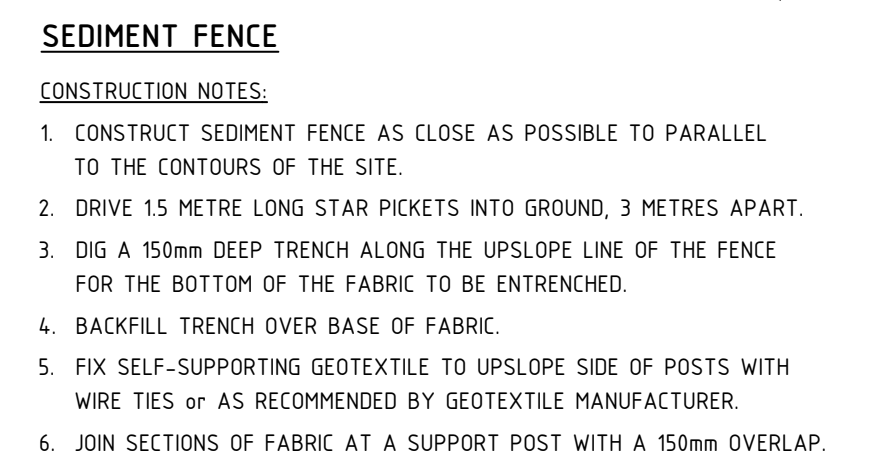
- | | |
|---------|---|
| — — — — | DENOTES 100 DIAM PVC AT MIN 1% U.N.O. |
| — — — — | DENOTES 100 DIAM SEWER GRADE PVC
PRESSURE SEALED CHARGED LINE U.N.O. |
| — — — — | DENOTES RIDGE LINE IN SLAB |





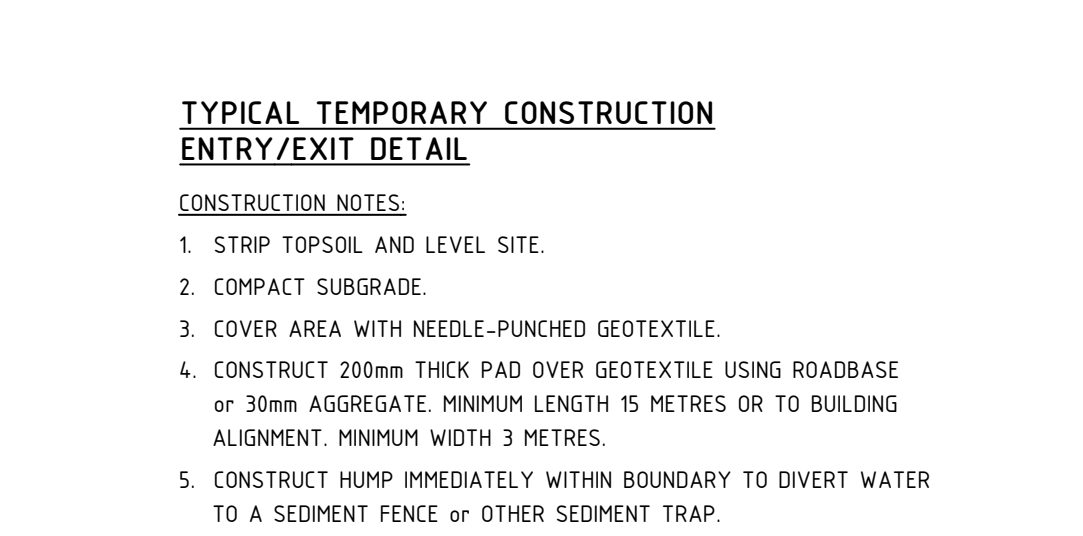


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CONSTRUCTION NOTES:

6. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.

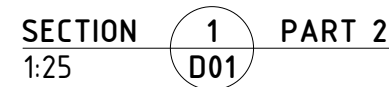
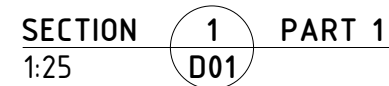


CONSTRUCTION NOTES:

- TO A SEDIMENT FENCE or OTHER SEDIMENT TRAP.

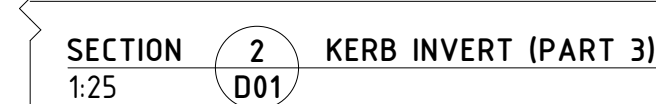
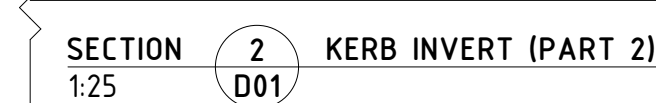
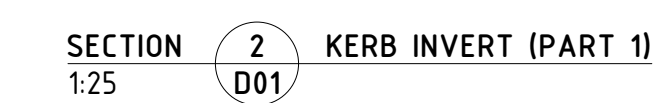


ISSUE FOR DA SUBMISSION ONLY		JUL 2023	
PROJECT	DESIGNED DM	SCALE REFER DWG	230602
1010 - 1014 PITTWATER ROAD, COLLAROY	DRAWN DM	PAGE SIZE A1	
DRAWING	CHECKED DI	REVISION B	DRAWING NUMBER D07
SEDIMENT & EROSION CONTROL PLAN			



NOTE:

- DIAL BEFORE YOU DIG TO BE UNDERTAKEN PRIOR TO COMMENCEMENT OF ANY WORKS
- ALL EX UNDERGROUND SERVICES SHOWN ARE INDICATIVE ONLY. REFER TO DRAWINGS BY DBYD JOB NO. 36537586
- EXACT LOCATION & INVERT LEVEL OF ALL ASSETS TO BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT OF ANY WORKS



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DIAL 1100
BEFORE YOU DIG

INVESTIGATION OF 'DIAL BEFORE YOU DIG' UNDERGROUND SERVICES HAS BEEN MADE. DETECTION OF UNDERGROUND SERVICES IS NOT AN INTEGRAL PART OF THIS SURVEY. ALL RELEVANT AUTHORITIES SHOULD BE NOTIFIED PRIOR TO ANY EXCAVATION ON OR NEAR THE SITE.

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 EXTENSIVE FINANCIAL LOSSES TO BUSINESS
- CUT OFF EMERGENCY SERVICES
- DELAY PROJECT COMPLETION TIMES WHILE THE DAMAGE IS REPAIRED

MINIMISE YOUR RISK AND DIAL BEFORE YOU DIG.

TEL. 1100

STATUS			ISSUE FOR DA SUBMISSION ONLY		DATE	JUL 2022
PROJECT			DESIGNED	SCALE	PROJECT NUMBER	
1010 - 1014 PITTWATER ROAD, COLLAROY			DM	REFER	23060	
			DRAWN	DWG PAGE SIZE		
DRAWING			DM	A1	DRAWING NUMBER	
OUTLET PIPE LONG SECTION 2			CHECKED	REVISION		
			DI	A	D09	

A	29/04/2024	OUTLET PIPE LONG SECTION ADDED AT COUNCIL'S REQUEST. ISSUE FOR DA SUBMISSION ONLY	DI				
REV	DATE	REVISION DESCRIPTION	BY	REV	DATE	REVISION DESCRIPTION	BY