

- STORMWATER NOTES:**
1. ALL PIPES TO BE 100mm Ø UNLESS NOTED OTHERWISE.
  2. ALL PIPES TO BE uPVC UNLESS NOTED OTHERWISE.
  3. ALL PIPES TO BE LAID AT 1 % MINIMUM GRADE UNLESS NOTED OTHERWISE.
  4. ALL PIPES SHALL BE LAID ON A 75mm SAND BED, COMPACTED TO 100% S.M.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.
  5. ALL PIPES SHOWN ON PLAN ARE SHOWN INDICATIVELY ONLY & MINIMUM CLEARANCES FROM THE EXTERNAL WALLS OF BUILDINGS, FOR THE EXCAVATION OF TRENCHES, ARE TO BE PROVIDED IN ACCORDANCE WITH AS3500.
  6. ALL DOWN PIPES TO BE 90mm Ø UNLESS NOTED OTHERWISE.
  7. DOWN PIPE LOCATIONS ARE INDICATIVE ONLY. LOCATIONS TO BE CONFIRMED WITH ARCHITECT PRIOR TO COMMENCEMENT OF WORK.
  8. PROVIDE CLEANING EYES AT ALL DOWNPIPES UNO.
  9. ALL PITS GREATER THAN 1000mm DEEP SHALL HAVE STEP IRONS AS PER COUNCIL STANDARDS.
  10. ALL WORK TO BE IN ACCORDANCE WITH LOCAL COUNCIL STANDARDS AND SPECIFICATIONS.
  11. ALL LEVELS SHOWN ARE TO AHD.
  12. ENSURE THAT ALL PITS AND STORMWATER PIPES ARE LOCATED CLEAR FROM TREE ROOT SYSTEMS.
  13. EXCAVATION OF TRENCHES ADJACENT TO TREES TO BE CARRIED OUT USING HAND TOOLS ONLY.
  14. ALL EXISTING EARTHENWARE PIPES TO BE UPGRADED TO uPVC.
  15. ALL WORKS TO BE IN ACCORDANCE WITH AS 3500.
  16. THE FOLLOWING ABBREVIATIONS DENOTE:  
FSL - FINISHED SURFACE LEVEL  
INV - INVERT
  17. PROVIDE FALLS IN SURFACES TO ALL PITS, GRATED DRAINS & FLOOR DRAINS IN ACCORDANCE WITH AS3500 & ARCHITECT'S DETAILS.

RL65.15	[DENOTES EXISTING LEVELS]
RL65.15	[DENOTES PROPOSED LEVELS]
IL65.15	[DENOTES INVERT LEVELS OF PIPE]

ON-SITE DETENTION (OSD) CALCULATION SHEET	
DEVELOPMENT TYPE:	MIXED USE DEVELOPMENT
DESIGN METHOD:	DRAINS
SITE AREA:	1858 m²
PRE DEVELOPMENT IMPERVIOUS AREA:	1251 m²
INCREASE IN IMPERVIOUS AREA:	0.0 m² (DRAINS)
POST DEVELOPMENT IMPERVIOUS AREA:	1288 m²
STORMWATER REGION:	2
IMPERVIOUS AREA DRAINING TO OSD:	1134 m²
PERVIOUS AREA DRAINING TO OSD:	301 m²
IMPERVIOUS AREA BYPASSING OSD:	154 m²
PERVIOUS AREA BYPASSING OSD:	269 m²
MINIMUM SITE STORAGE REQUIRED:	63.5 m³
TYPE OF CONTROL:	SUSPENDED TANK BELOW LEVEL 1
OSD DIMENSION:	72.4m² x 1.08m (AVERAGE DEPTH)
OSD VOLUME PROVIDED:	79.1 m³
DEPTH TO CENTRE OF ORIFICE:	1.21 m
ORIFICE SIZE:	68 mm Ø
PRE DEVELOPMENT SITE DISCHARGE (5-YEAR):	17 l/s
POST DEVELOPMENT SITE DISCHARGE (5-YEAR):	17 l/s
PRE DEVELOPMENT SITE DISCHARGE (100-YEAR):	58 l/s
POST DEVELOPMENT SITE DISCHARGE (100-YEAR):	27 l/s

MARK	SIZE/TYPE	FSL	INV
PIT 1	900x900 PIT WITH GRATED LID	13.09	11.84
PIT 2	600x600 PIT WITH GRATED LID WITH OCEANGUARD BASKET TO OCEAN PROTECT'S DETAILS	12.98	12.08
PIT 3	900x900 PIT WITH GRATED LID TO OCEAN PROTECT'S DETAILS	13.40	11.75
ID	150 DIAMETER INSPECTION OPENING	-	-
GD1	100 WIDE x 100 DEEP GRATED DRAIN	COS	COS
GD2	100 WIDE x 100 DEEP GRATED DRAIN	12.905	12.805
GD3	200 WIDE x 100 DEEP GRATED DRAIN	13.45	13.35
GD4	100 WIDE x 100 DEEP GRATED DRAIN	14.20	14.10
GD5	200 WIDE x 100 DEEP GRATED DRAIN	COS	COS
FD	200 DIAMETER FLOOR DRAIN	-	-
DP	100 DIAMETER PVC DOWNPIPE	-	-
DP1	150 DIAMETER PVC DOWNPIPE	-	-
DP2	300 DIAMETER PVC DOWNPIPE	-	-

**NOTE:**

- ALL PIPES UNDER SUSPENDED FLOOR TO BE STRAPPED TO UNDERSIDE OF FLOOR STRUCTURE

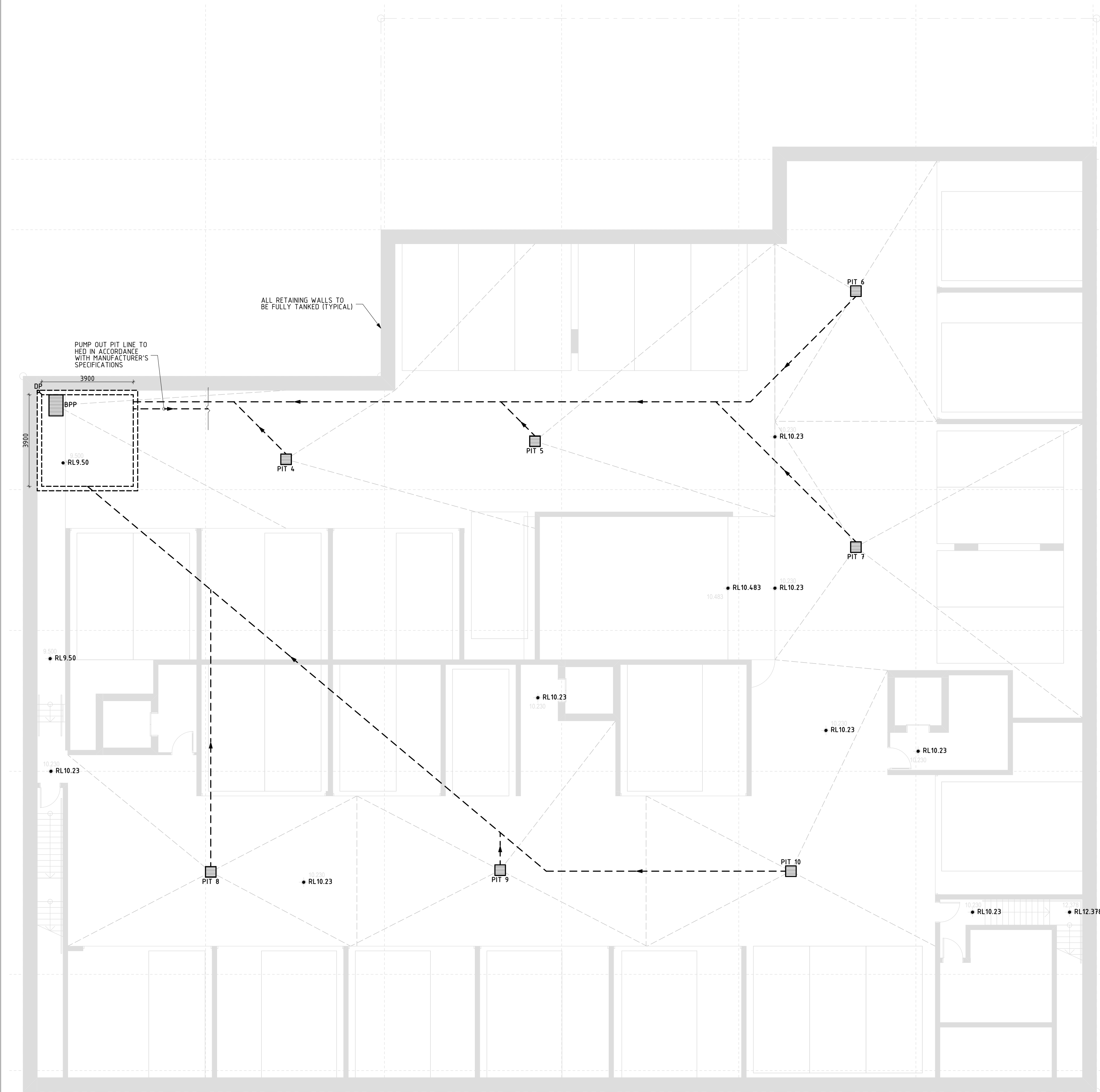
---	DENOTES 100 DIAM PVC AT MIN 1% UNO.
---	DENOTES 100 DIAM SEWER GRADE PVC. PRESSURE SEALED CHARGED LINE UNO.
---	DENOTES RIDGE LINE IN SLAB

REV	DATE	REVISION DESCRIPTION	BY	REV	DATE	REVISION DESCRIPTION
2	15/08/2024	AMENDED TO SUIT UPDATED ARCH DRAWINGS. ISSUE FOR REVIEW ONLY	DI			
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	C	16/08/2024	ISSUE FOR DA SUBMISSION ONLY

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



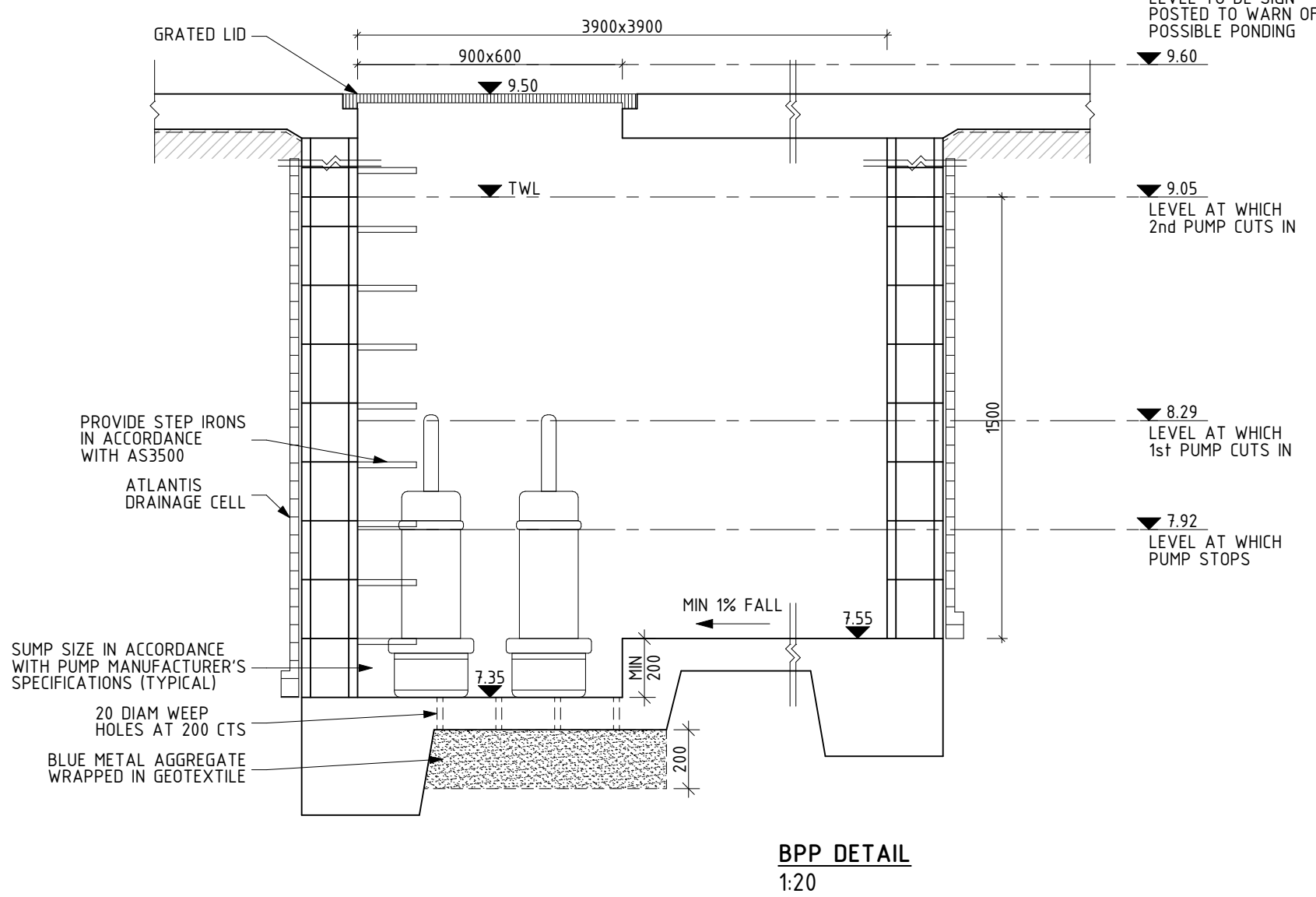
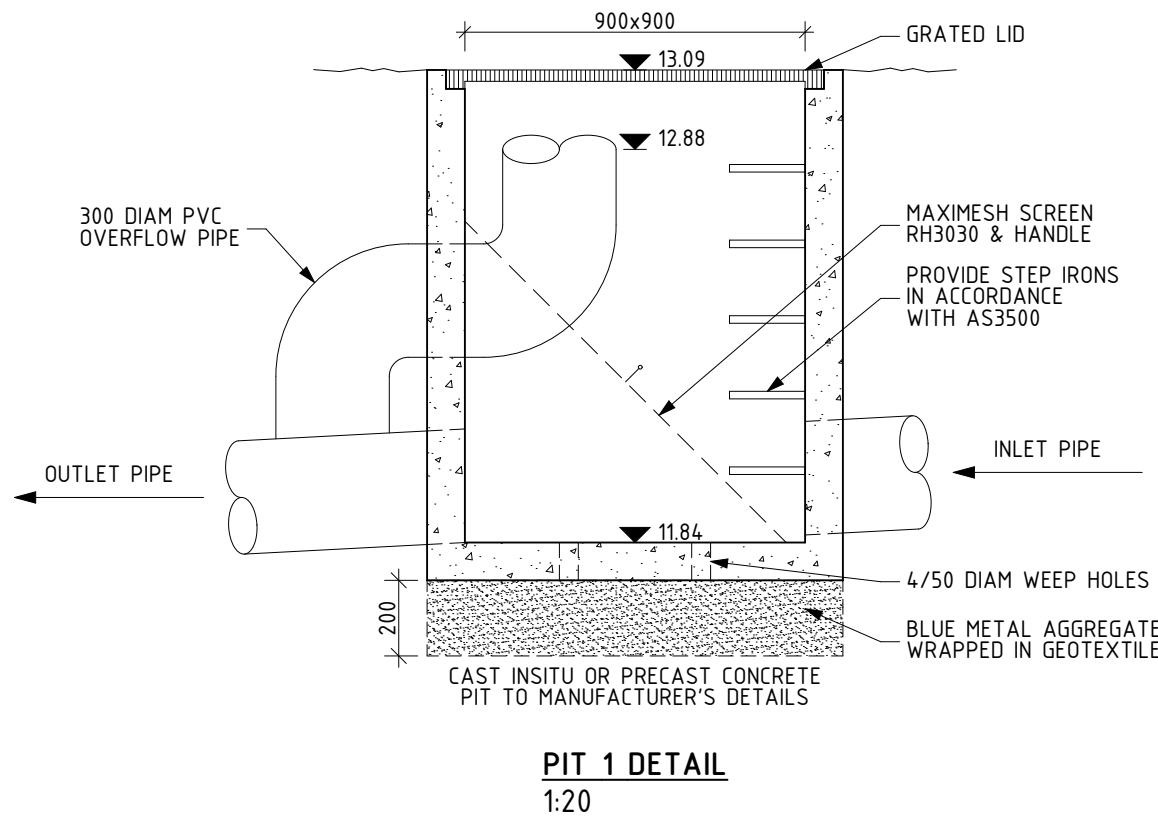
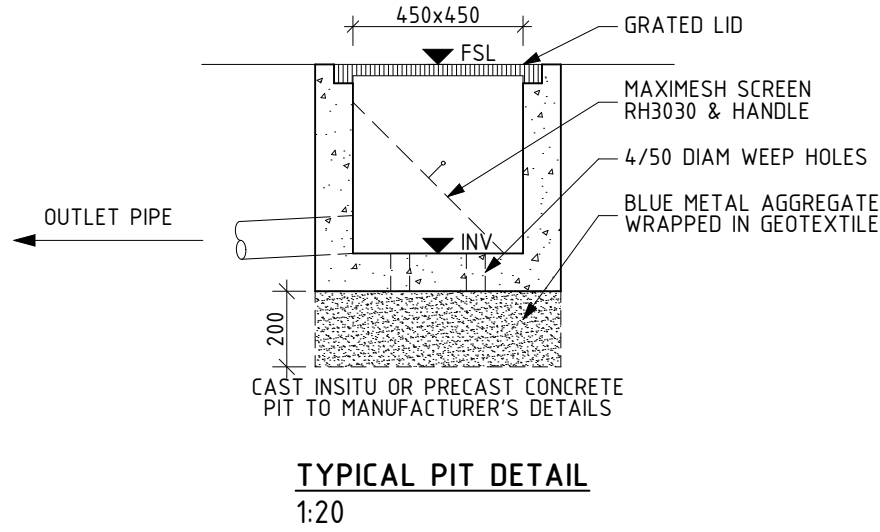


BASEMENT DRAINAGE PLAN  
1:100

MARK	SIZE/TYPE	FSL	INV
PIT 4	450x450 PIT WITH GRATED LID	COS	COS (500 DEEP)
PIT 5	450x450 PIT WITH GRATED LID	COS	COS (500 DEEP)
PIT 6	450x450 PIT WITH GRATED LID	10.23	9.73
PIT 7	450x450 PIT WITH GRATED LID	10.23	9.73
PIT 8	450x450 PIT WITH GRATED LID	10.23	9.73
PIT 9	450x450 PIT WITH GRATED LID	10.23	9.73
PIT 10	450x450 PIT WITH GRATED LID	10.23	9.73
BPP	MIN 22.8m <sup>3</sup> 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 <sup>2</sup>
ARI:	10 YEARS
STORM PERIOD:	120 MIN
RAINFALL INTENSITY:	30.3 mm/h
VOLUME FOR 2 HOURS STORM (V <sub>2h/120</sub> ):	40.4 m <sup>3</sup>
PUMP CAPACITY:	10 L/s
VOLUME PUMPED IN 30 MIN (PC <sub>30</sub> ):	18 m <sup>3</sup>
V <sub>10/120</sub> - PC <sub>30</sub> :	22.4 m <sup>3</sup>
1% OF CATCHMENT AREA:	6.7 m <sup>3</sup>
MINIMUM WET WELL STORAGE REQUIRED:	22.4 m <sup>3</sup>
WET WELL STORAGE PROVIDED:	22.8 m <sup>3</sup>

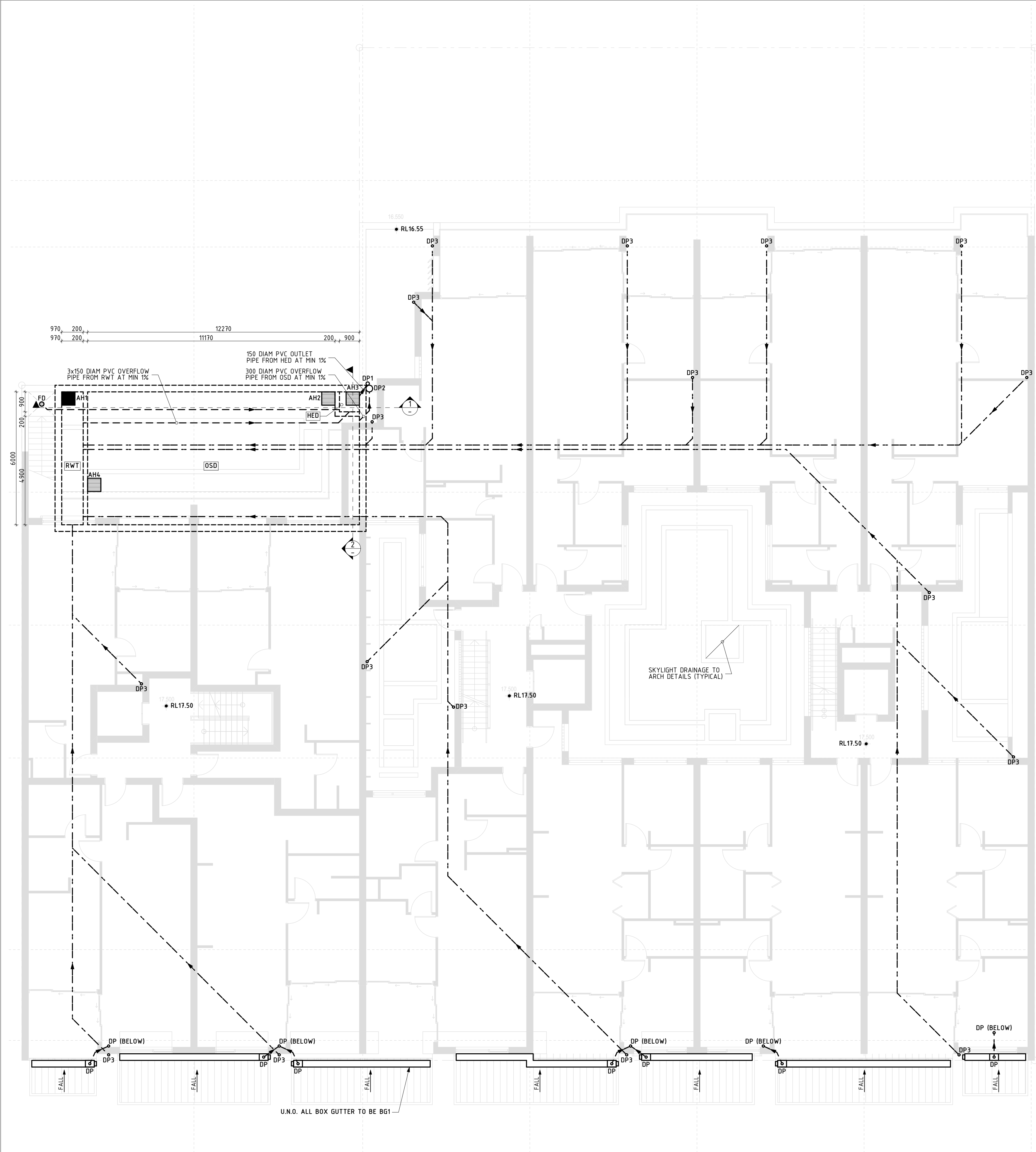
C	16/08/2024	ISSUE FOR DA SUBMISSION ONLY	DI		
2	15/08/2024	AMENDED TO SUIT UPDATED ARCH DRAWINGS. ISSUE FOR REVIEW ONLY	DI		
B	29/04/2024	AMENDED TO SUIT UPDATED ARCH DRAWINGS	DI		
A	21/09/2023	ISSUE FOR DA SUBMISSION ONLY	DI		
1	28/07/2023	ISSUE FOR REVIEW ONLY	DI		
REV	DATE	REVISION DESCRIPTION	BY	REV	DATE

BY	REV	DATE	REVISION DESCRIPTION	BY	REV

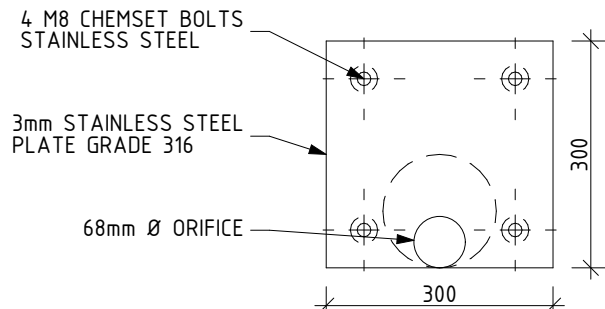
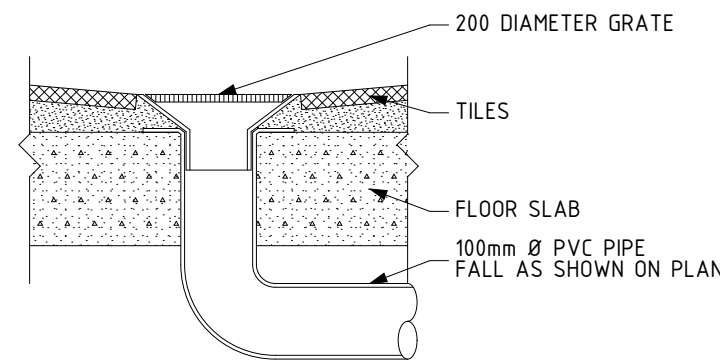
ARCHITECT	GARTNER TROVATO ARCHITECTS
CLIENT	COLLARROY PROJECTS PTY LTD ATF COLLARROY PROJECTS UNIT TRUST

STATUS	ISSUE FOR DA SUBMISSION ONLY	DATE	JUL 2023
PROJECT	1010 - 1014 PITTWATER ROAD, COLLARROY	PROJECT NUMBER	230602
DRAWING	BASEMENT DRAINAGE PLAN	DRAWING NUMBER	D02

DESIGNED	SCALE	PROJECT NUMBER
DM	REFER	230602
DRAWN	DWG	
DM	A1	
CHECKED	REVISION	
DI	C	



LEVEL 1 DRAINAGE PLAN  
1:100

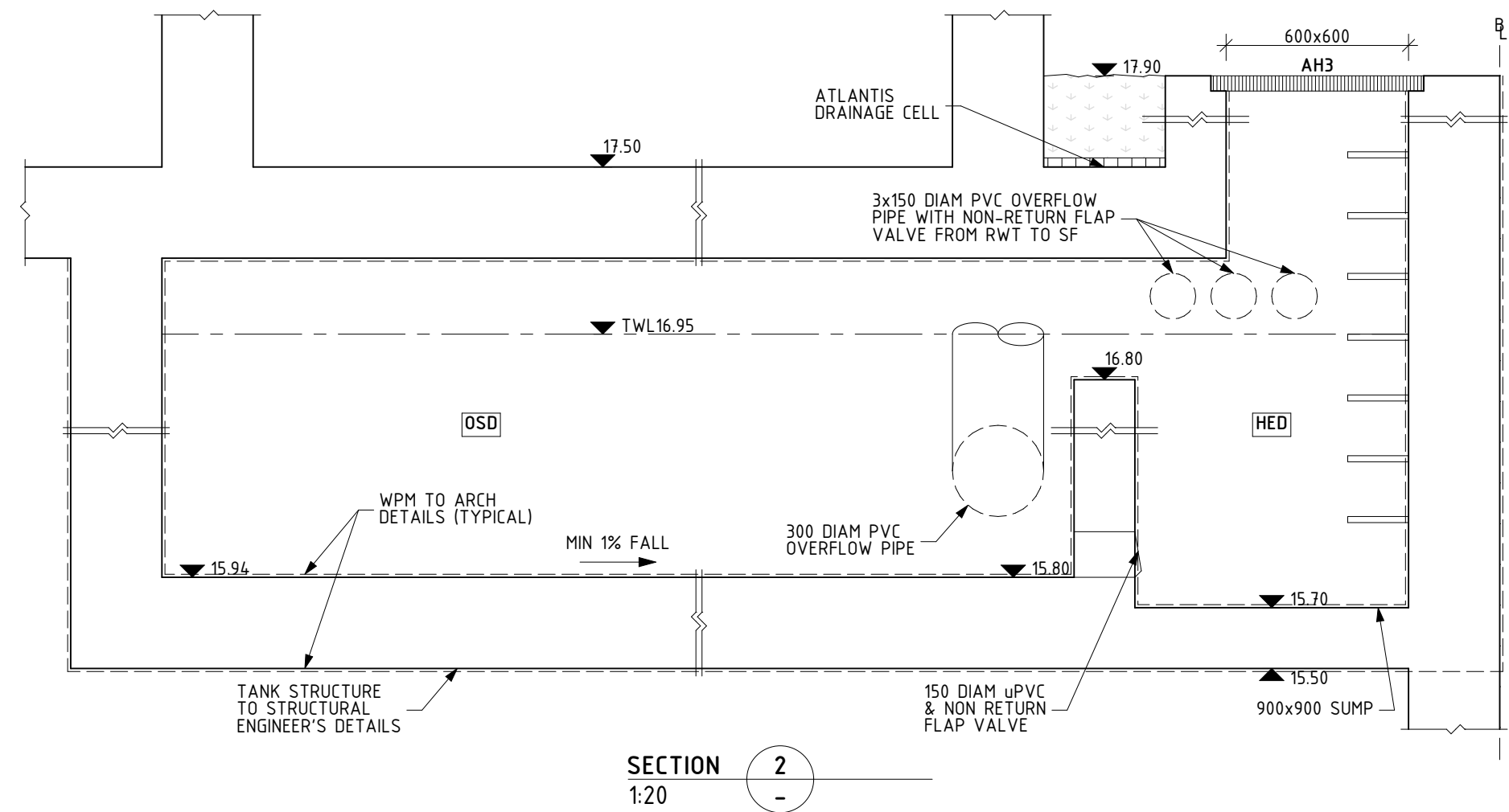
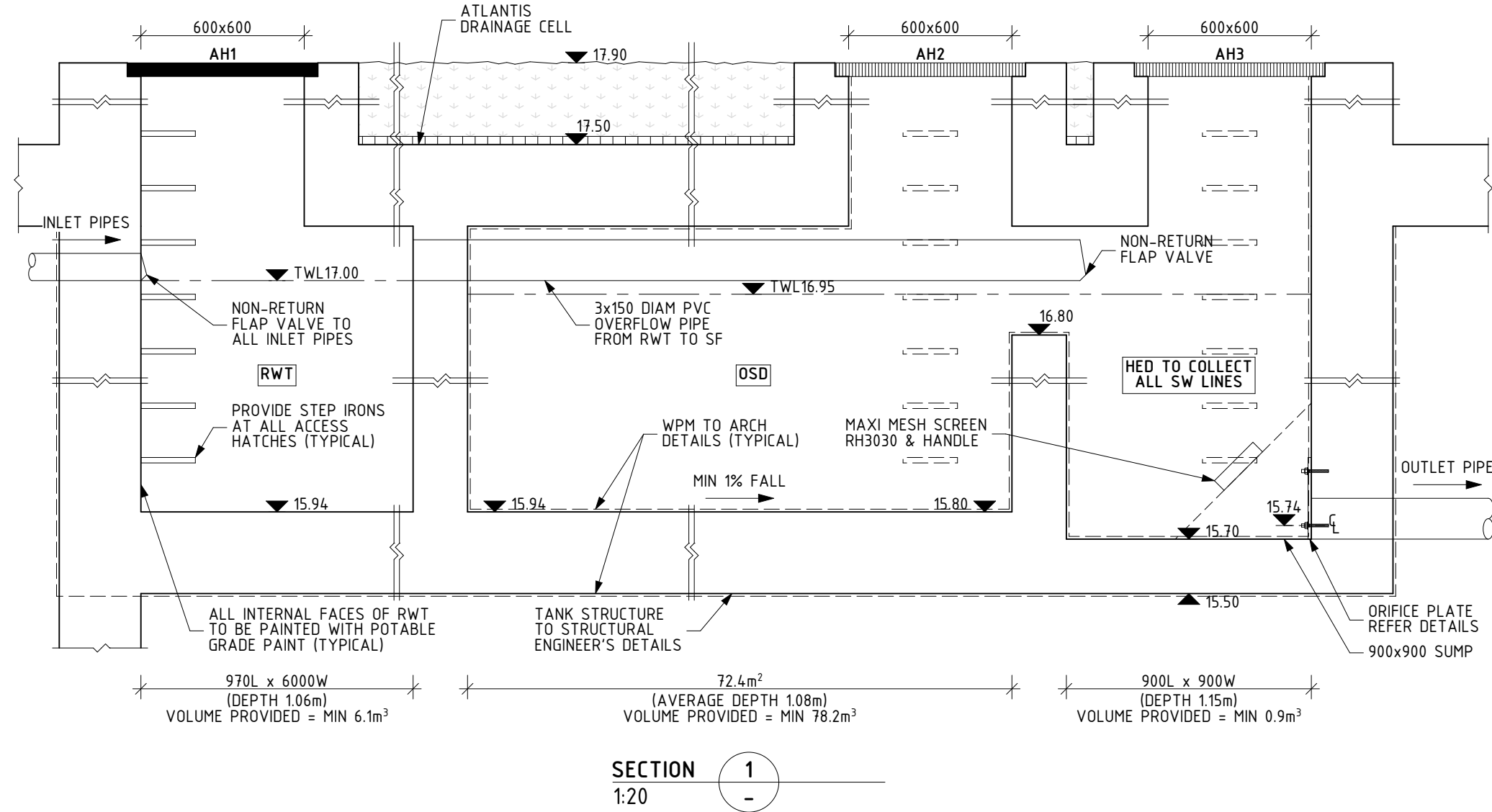


MARK	SIZE/TYPE	FSL	INV
AH1	600x600 PRESSURE SEALED ACCESS HATCH	17.90	-
AH2	600x600 GRATED ACCESS HATCH	17.90	-
AH3	600x600 GRATED ACCESS HATCH	17.90	-
AH4	600x600 GRATED ACCESS HATCH	18.30	-
FD	200 DIAMETER FLOOR DRAIN	-	-
DP	100 DIAMETER PVC DOWNPIPE	-	-
DP1	150 DIAMETER PVC DOWNPIPE	-	-
DP2	300 DIAMETER PVC DOWNPIPE	-	-
DP3	100 DIAMETER SEWER GRADE PVC PRESSURE SEALED CHARGED DOWNPIPE	-	-
BG1	300 WIDE x MIN 115 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.O.  
--- DENOTES 100 DIAM SEWER GRADE PVC PRESSURE SEALED CHARGED LINE U.N.O.  
--- DENOTES RIDGE LINE IN SLAB



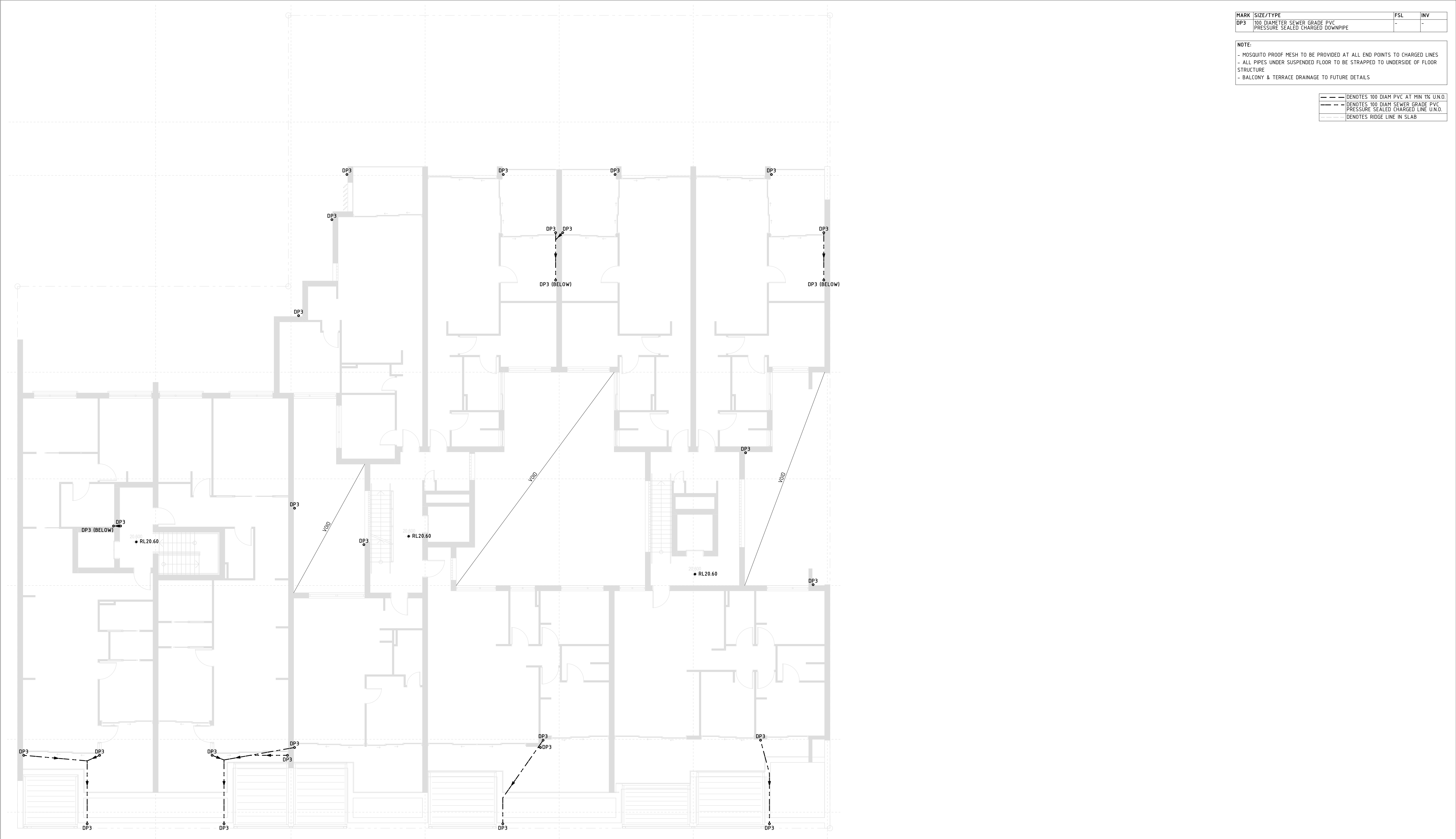
C	16/08/2024	ISSUE FOR DA SUBMISSION ONLY
2	15/08/2024	AMENDED TO SUIT UPDATED ARCH DRAWINGS. ISSUE FOR REVIEW ONLY
B	29/04/2024	AMENDED TO SUIT UPDATED ARCH DRAWINGS
A	21/09/2023	ISSUE FOR DA SUBMISSION ONLY
1	28/07/2023	ISSUE FOR REVIEW ONLY
REV	DATE	REVISION DESCRIPTION

DI			
DI			
DI			
DI			
DI			
BY	REV	DATE	REVISION DESCRIPTION

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	C		





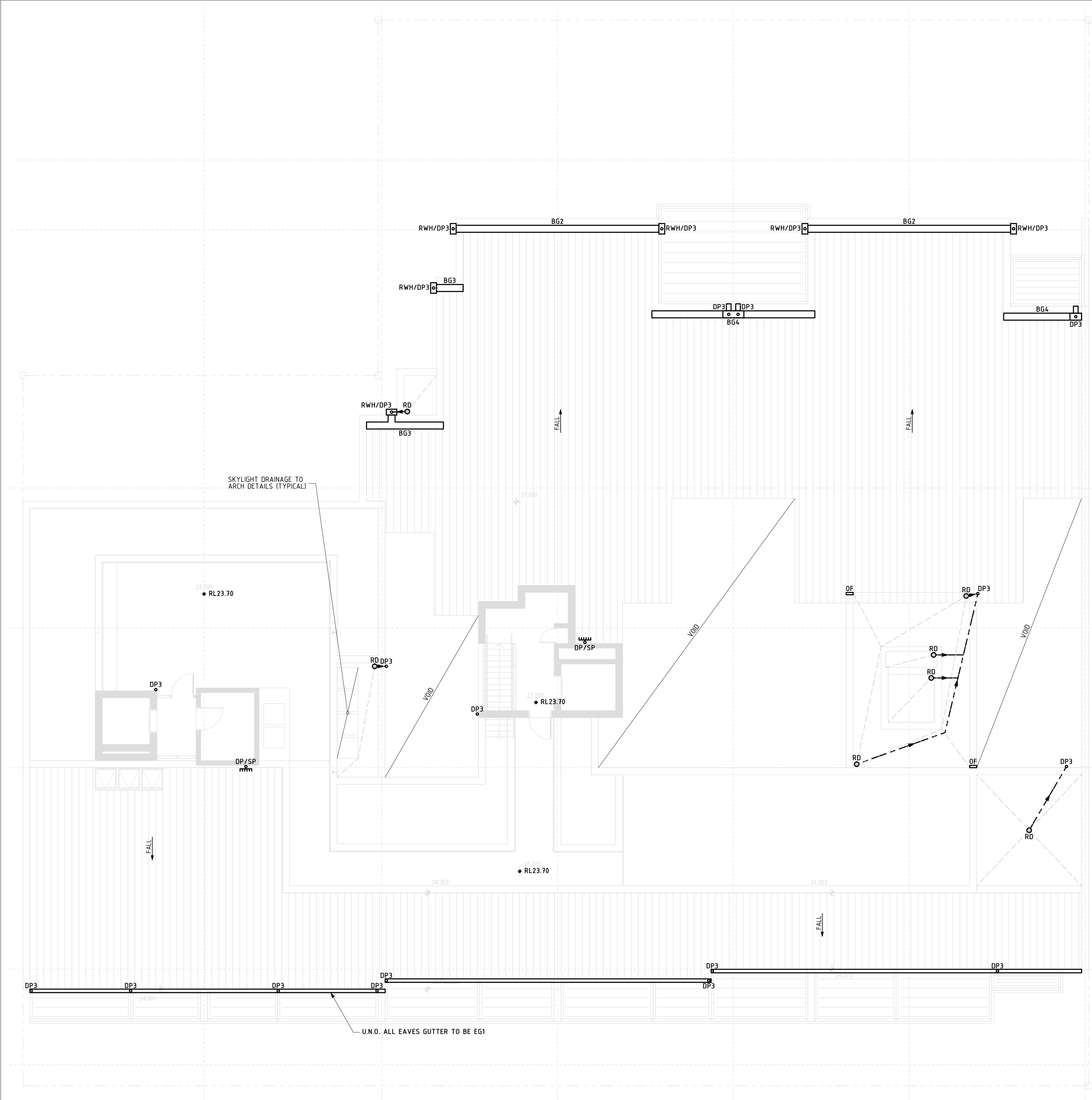
LEVEL 2 DRAINAGE PLAN  
1:100

MARK	SIZE/TYPE	FSL	INV
DP3	100 DIAMETER SEWER GRADE PVC PRESSURE SEALED CHARGED DOWNPIPE	-	-

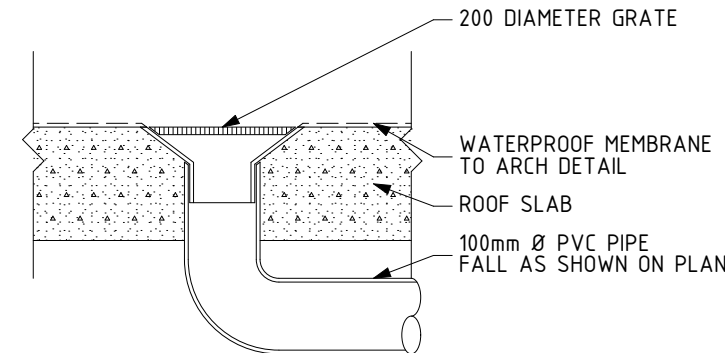
NOTE:

- MOSQUITO PROOF MESH TO BE PROVIDED AT ALL END POINTS TO CHARGED LINES
- ALL PIPES UNDER SUSPENDE 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



LEVEL 3 DRAINAGE PLAN  
1:100



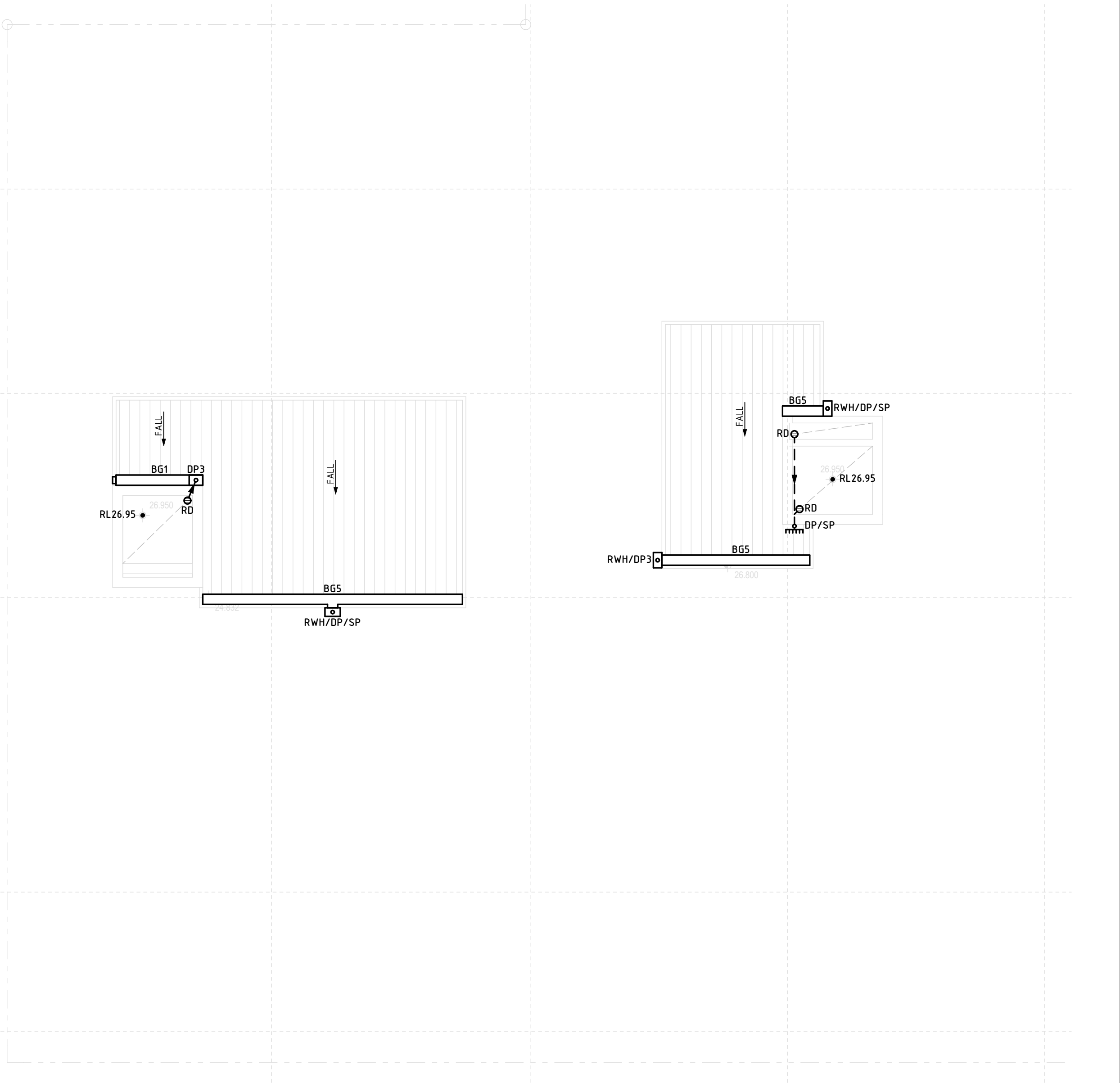
RD DETAIL  
1:10

MARK	SIZE/TYPE	FSL	INV
DP	100 DIAMETER PVC DOWNPIPE	-	-
DP3	100 DIAMETER SEWER GRADE PVC PRESSURE SEALED CHARGED DOWNPIPE	-	-
SP	SPREADER ONTO LOWER ROOF	-	-
RD	200 DIAMETER ROOF DRAIN	-	-
OF	100 WIDE x 65 HIGH OVERFLOW SLOT THROUGH HOB	-	-
EG1	HALF ROUND 150 EAVES GUTTER	-	-
BG1	300 WIDE x MIN 115 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	-	-
BG2	300 WIDE x MIN 135 DEEP BOX GUTTER	-	-
BG3	300 WIDE x MIN 100 DEEP BOX GUTTER	-	-
BG4	300 WIDE x MIN 125 DEEP BOX GUTTER WITH 400 LONG x 300 WIDE x 50 DEEP SUMP AT DOWNPIPE & 200 WIDE x 65 HIGH OVERFLOW SLOT THROUGH SIDE OF BOX GUTTER	-	-
BG5	300 WIDE x MIN 120 DEEP BOX GUTTER	-	-
RWH	LYSAGHT TAPERED RAINWATER HEAD (LARGE)	-	-

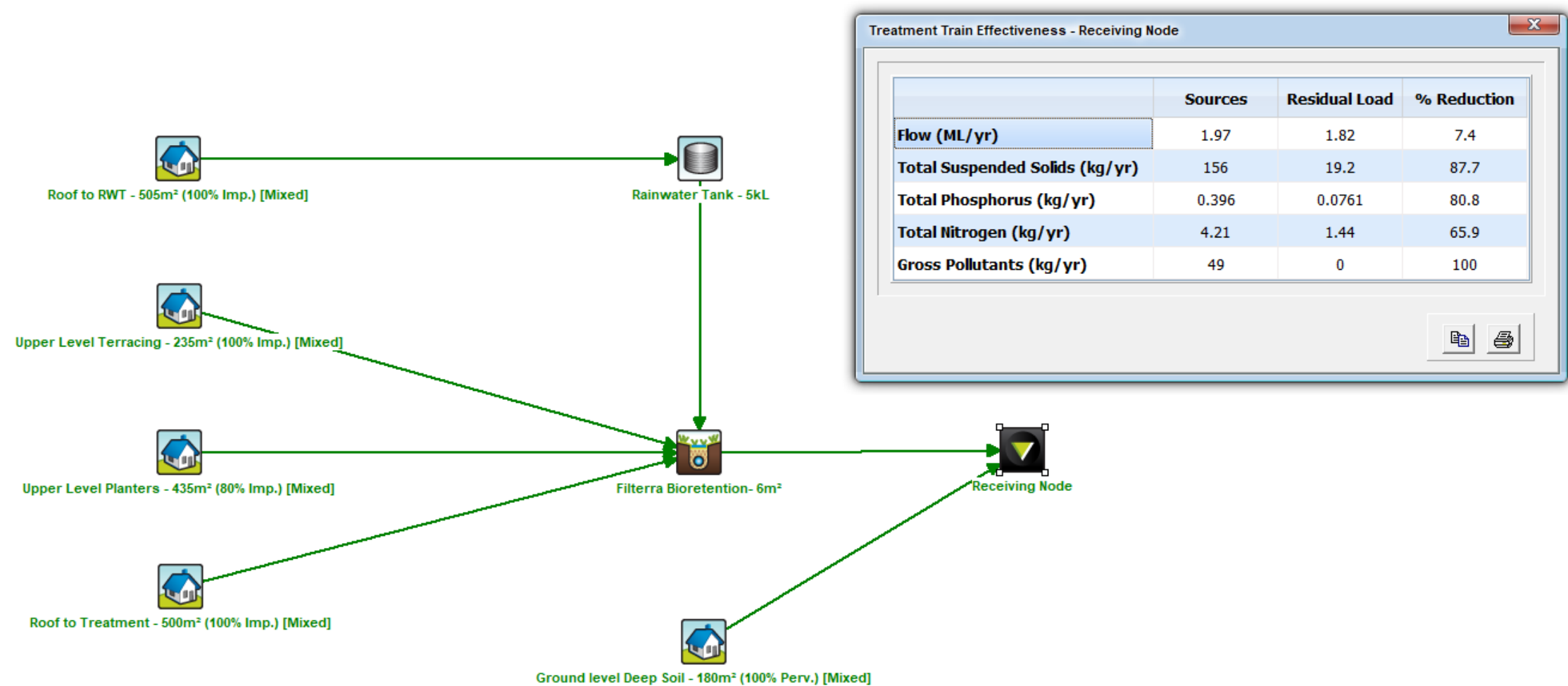
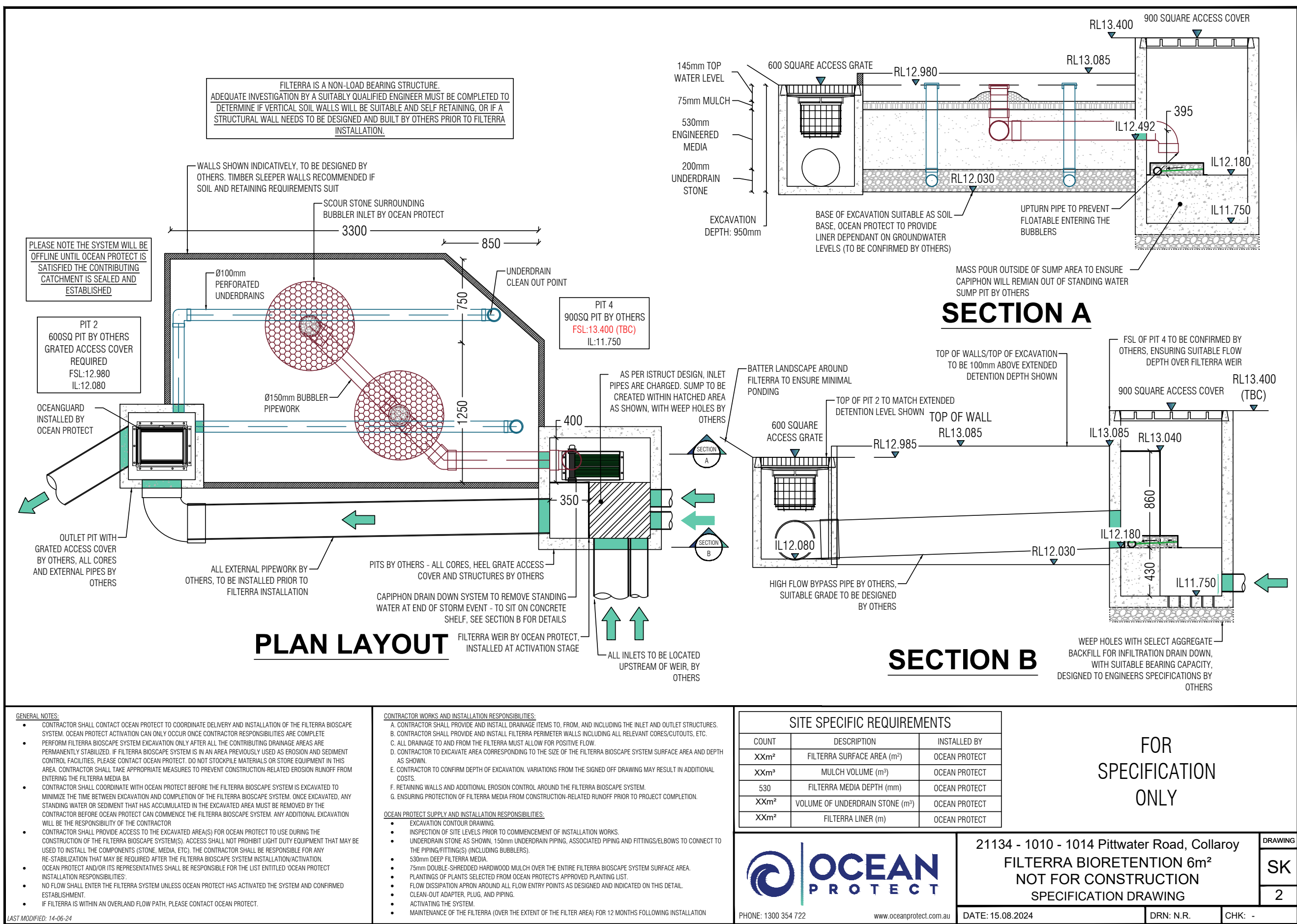
NOTE:

- 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

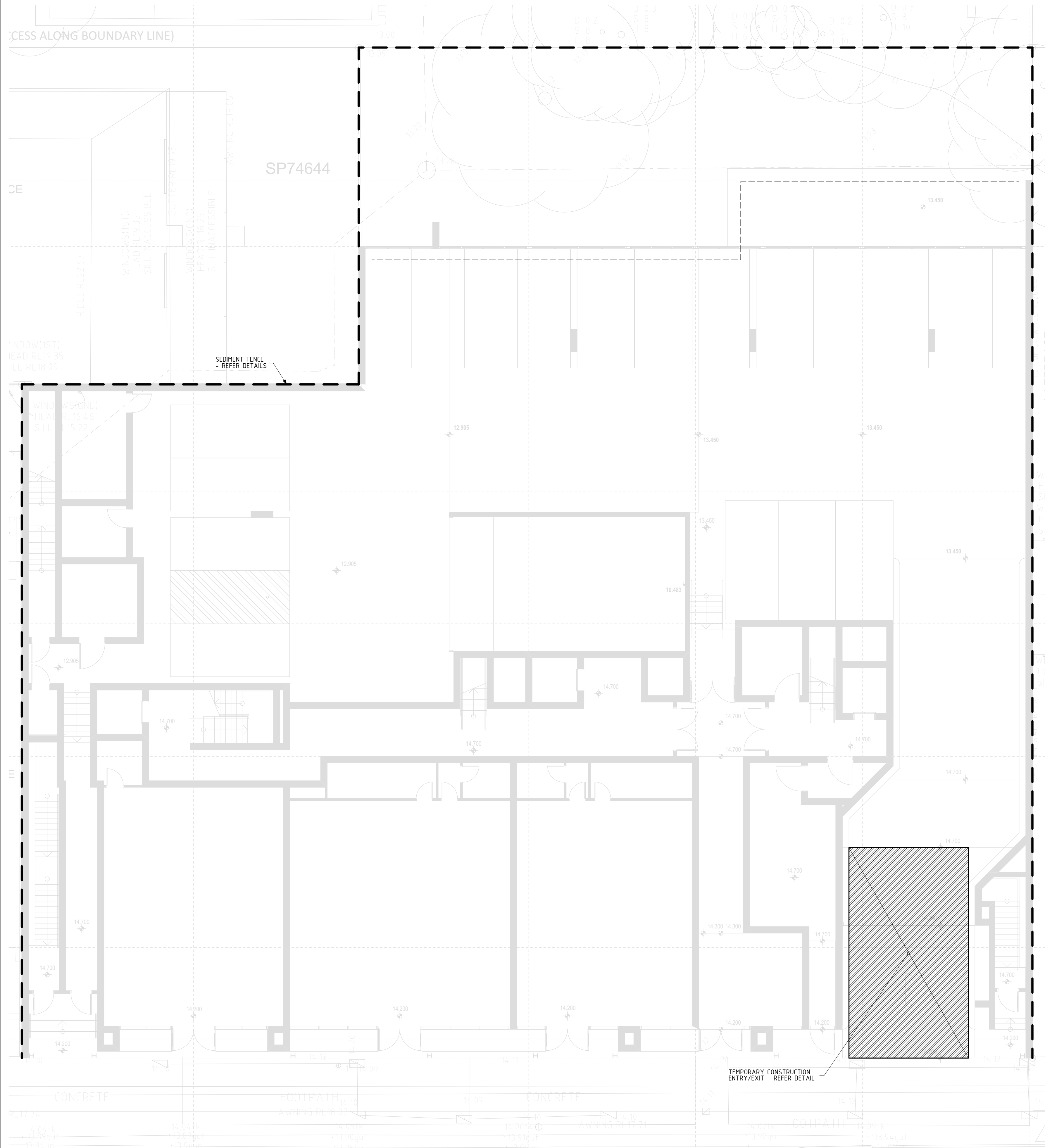
---	DENOTES 100 DIAM PVC AT MIN 1% U.N.O.
---	DENOTES 100 DIAM SEWER GRADE PVC PRESSURE SEALED CHARGED LINE U.N.O.
---	DENOTES RIDGE LINE IN SLAB



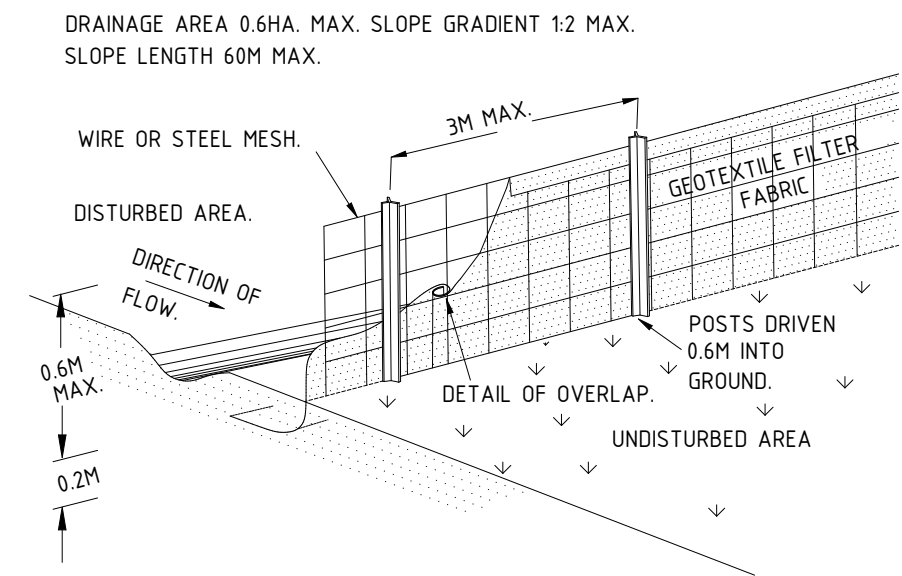
ROOF DRAINAGE PLAN  
1:100







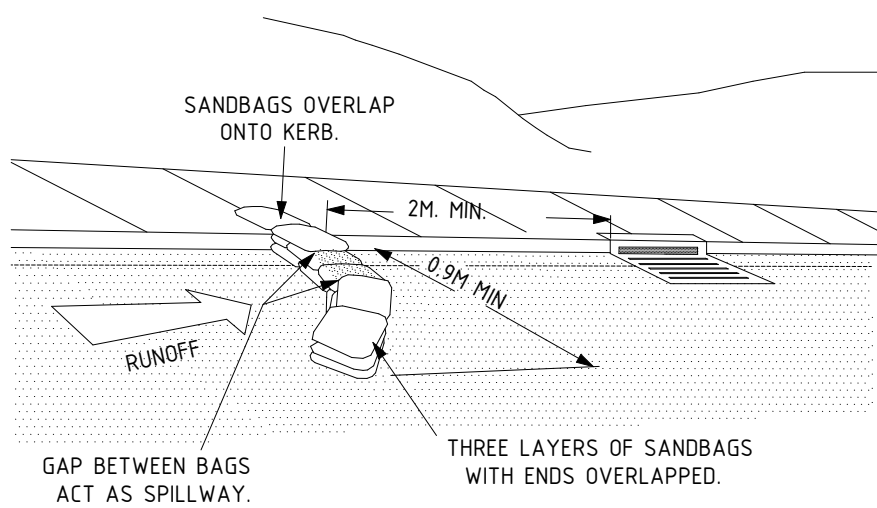
SEDIMENT & EROSION CONTROL PLAN  
1:100



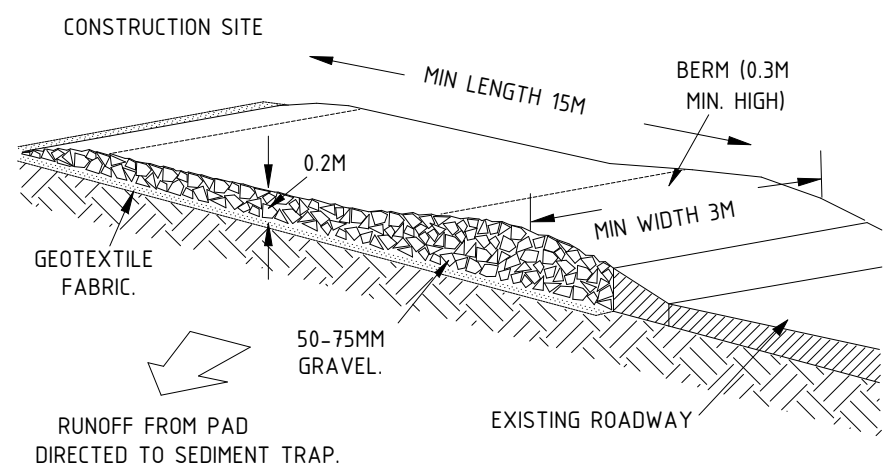
SEDIMENT FENCE

CONSTRUCTION NOTES:

1. CONSTRUCT SEDIMENT FENCE AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE.
2. DRIVE 15 METRE LONG STAR PICKETS INTO GROUND, 3 METRES APART.
3. DIG A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
4. BACKFILL TRENCH OVER BASE OF FABRIC.
5. FIX SELF-SUPPORTING GEOTEXTILE TO UPSLOPE SIDE OF POSTS WITH WIRE TIES or AS RECOMMENDED BY GEOTEXTILE MANUFACTURER.
6. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.



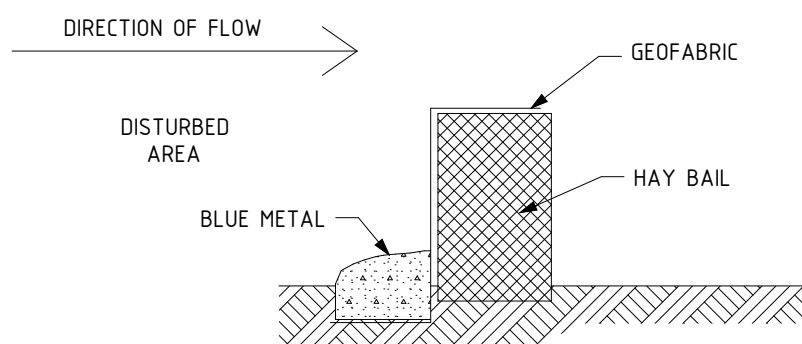
SANDBAG KERB INLET SEDIMENT TRAP



TYPICAL TEMPORARY CONSTRUCTION  
ENTRY/EXIT DETAIL

CONSTRUCTION NOTES:

1. STRIP TOPSOIL AND LEVEL SITE.
2. COMPACT SUBGRADE.
3. COVER AREA WITH NEEDLE-PUNCHED GEOTEXTILE.
4. CONSTRUCT 200mm THICK PAD OVER GEOTEXTILE USING ROADBASE or 30mm AGGREGATE. MINIMUM LENGTH 15 METRES OR TO BUILDING ALIGNMENT. MINIMUM WIDTH 3 METRES.
5. CONSTRUCT HUMP IMMEDIATELY WITHIN BOUNDARY TO DIVERT WATER TO A SEDIMENT FENCE or OTHER SEDIMENT TRAP.



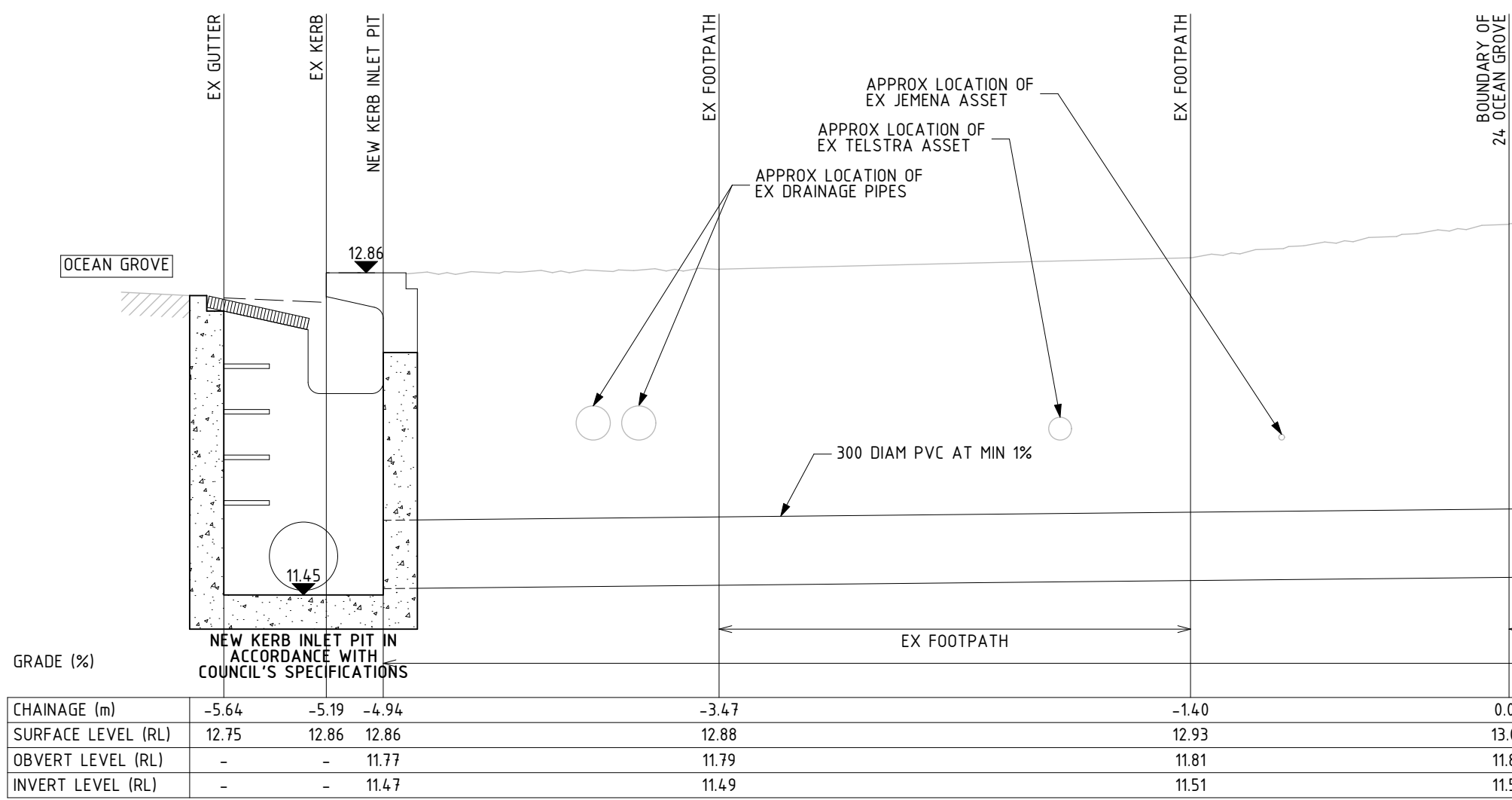
REMOVABLE HAY BALE DETAIL  
N.T.S.

C	16/08/2024	ISSUE FOR DA SUBMISSION ONLY	DI		
2	15/08/2024	AMENDED TO SUIT UPDATED ARCH DRAWINGS. ISSUE FOR REVIEW ONLY	DI		
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		
REV	DATE	REVISION DESCRIPTION	BY	REV	DATE

BY	REV	DATE	REVISION DESCRIPTION
----	-----	------	----------------------

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	SEDIMENT & EROSION CONTROL PLAN			DRAWING NUMBER	D07
DESIGNED	DM	SCALE	REFER DWG		
DRAWN	DM	PAGE SIZE	A1		
CHECKED	DI	REVISION	C		



SECTION 1:25 PART 1



SECTION 1:25 PART 2

www.dialbeforeyoudig.com.au



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 EXPENSIVE 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**

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

STATUS		ISSUE FOR DA SUBMISSION ONLY		DATE	JUL 2023
PROJECT	1010 - 1014 PITTWATER ROAD, COLLAROY		DESIGNED	SCALE	PROJECT NUMBER
			DM	REFER	230602
			DRAWN	DWG	
DRAWING	OUTLET PIPE LONG SECTION 1		DM	A1	DRAWING NUMBER
			CHECKED	REVISION	D08
			DI	B	

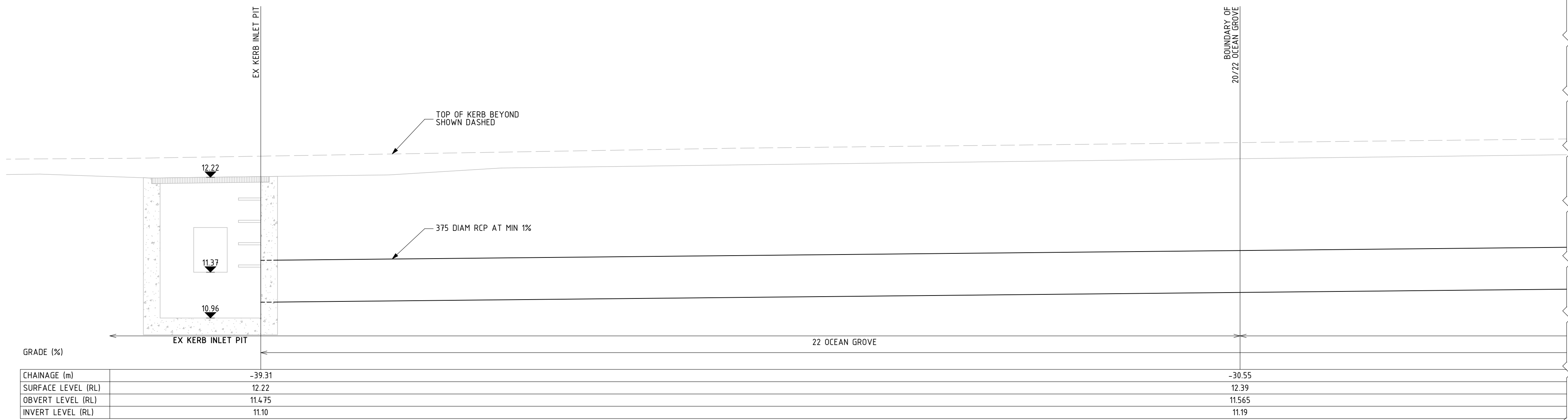


Istruct Pty Limited  
T/A Istruct Consulting Engineers  
ABN 36 135 142 746  
Suite 17, Level 2, 174 Willoughby Rd  
P.O. Box 39 CROWS NEST NSW 1585  
p: 02 9437 3331  
f: 02 9437 3332  
e: info@istruct.com.au  
w: www.istruct.com.au

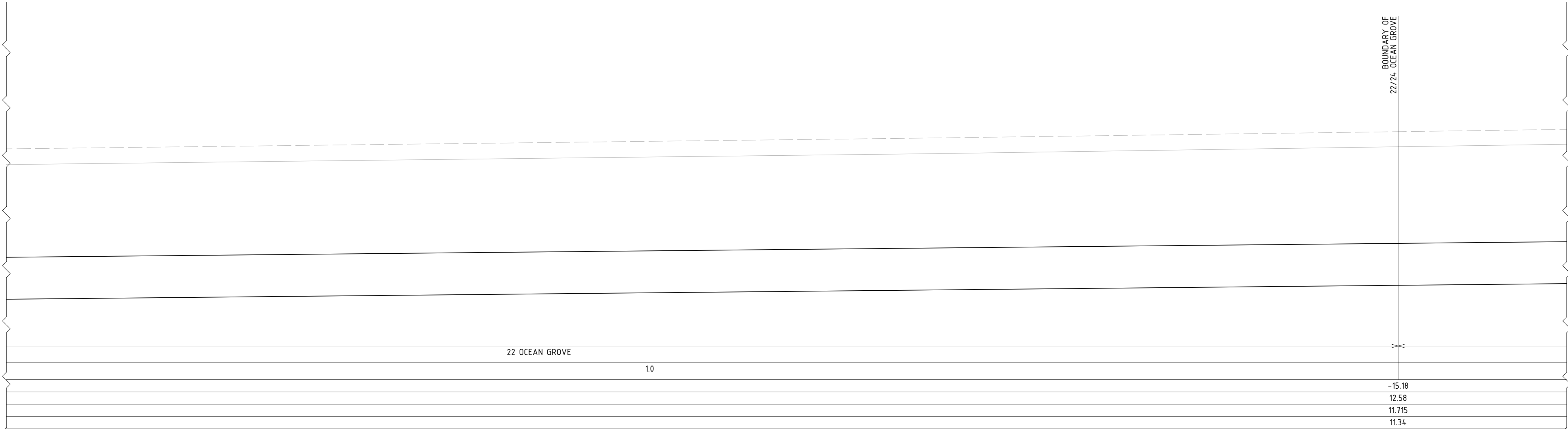
REV	DATE	REVISION DESCRIPTION	BY	REV	DATE	REVISION DESCRIPTION
B	16/08/2024	ISSUE FOR DA SUBMISSION ONLY	DI			
1	15/08/2024	AMENDED TO SUIT UPDATED ARCH DRAWINGS. ISSUE FOR REVIEW ONLY	DI			
A	29/04/2024	OUTLET PIPE LONG SECTION ADDED AT COUNCIL'S REQUEST. ISSUE FOR DA SUBMISSION ONLY	DI			

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

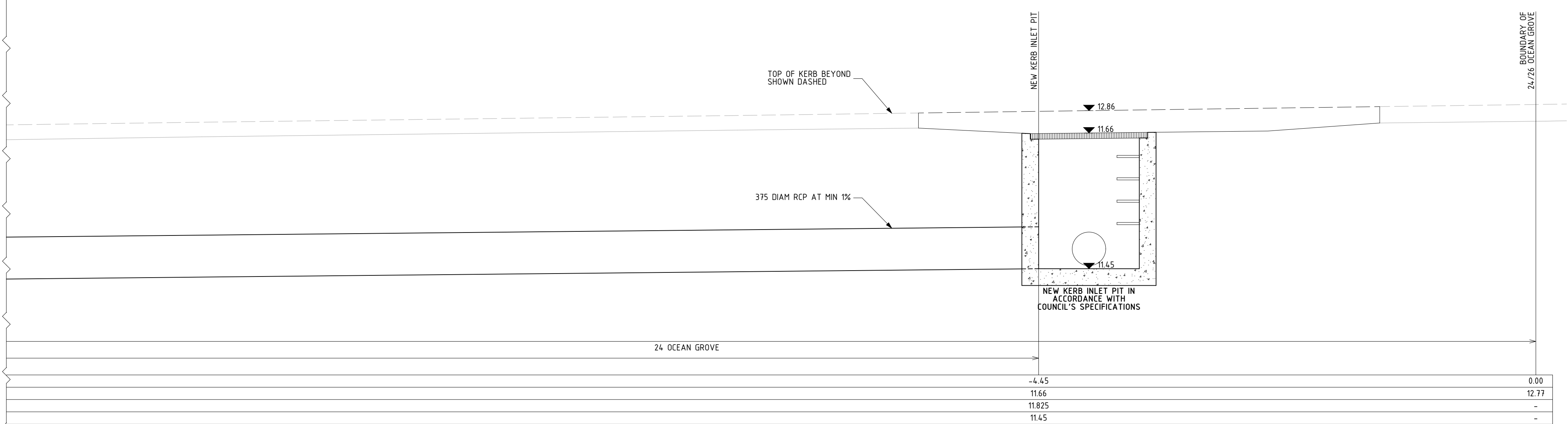




SECTION 2 KERB INVERT (PART 1)  
1:25 D01



SECTION 2 KERB INVERT (PART 2)  
1:25 D01



SECTION 2 KERB INVERT (PART 3)  
1:25 D01

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

[www.dialbeforeyoudig.com.au](http://www.dialbeforeyoudig.com.au)  
  
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 EXPENSIVE 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

REV	DATE	REVISION DESCRIPTION	BY	REV	DATE	REVISION DESCRIPTION	BY
B	16/08/2024	ISSUE FOR DA SUBMISSION ONLY	DI				
1	15/08/2024	AMENDED TO SUIT UPDATED ARCH DRAWINGS. ISSUE FOR REVIEW ONLY	DI				
A	29/04/2024	OUTLET PIPE LONG SECTION ADDED AT COUNCIL'S REQUEST. ISSUE FOR DA SUBMISSION 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	OUTLET PIPE LONG SECTION 2	DRAWING NUMBER	D09

DESIGNED	SCALE	REFER	PAGE SIZE
DM	REFER	DWG	
DRAWN	A1		
CHECKED	REVISION		
DI	B		