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BY REV

DATE REVISION DESCRIPTION

A 21/09/2023 ISSUE FOR DA SUBMISSION ONLY

28/07/2023 ISSUE FOR REVIEW ONLY

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CONSULTING ENGINEERS

e: info@istruct.com.au w:www.istruct.com.au

1. ALL PIPES TO BE 100mm & UNLESS NOTED OTHERWISE.
2. ALL PIPES TO BE uPVC UNLESS NOTED OTHERWISE. 3. ALL PIPES TO BE LAID AT 1 % MINIMUM GRADE UNLESS NOTED

4. 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.

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 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.

10. ALL WORK TO BE IN ACCORDANCE WITH LOCAL COUNCIL

12. ENSURE THAT ALL PITS AND STORMWATER PIPES ARE LOCATED 13. EXCAVATION OF TRENCHES ADJACENT TO TREES TO BE CARRIED

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

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

MIXED USE DEVELOPMENT
DRAINS
1858 m²
1251 m ²
$0.0 m^2 (DRAINS)$
1288 m ²
$37 m^2$
2
1134 m²
$301 m^2$
154 m²
$269 m^2$
63.5 m ³
SUSPENDED TANK BELOW LEVEL
72.4m ² x 1.08m (AVERAGE DEPTH)
+ 0.9m x 0.9m x 1.15m
79.1 m ³
1.21 m
68 mm Ø
17 l/s
17 l/s
58 l/s
27 l/s

MARK	SIZE/TYPE	FSL	INV
PIT 1	900x900 PIT WITH GRATED LID	13.09	11.89
PIT 2	600x600 PIT WITH GRATED LID	13.06	12.56
PIT 3	600x600 PIT WITH GRATED LID	12.85	12.35
PIT 4	600x600 PIT WITH GRATED LID TO OCEAN PROTECT'S DETAILS	TBC BY OCEAN PROTECT	TBC BY OCEAN PROTECT
PIT 5	900x900 PIT WITH GRATED LID	13.28	11.88
GD1	200 WIDE x 100 DEEP GRATED DRAIN	COS	COS
GD2	100 WIDE x 100 DEEP GRATED DRAIN	COS	COS
GD3	100 WIDE x 100 DEEP GRATED DRAIN	12.905	12.805
GD4	200 WIDE x 100 DEEP GRATED DRAIN	14.09	13.99
FD	200 DIAMETER FLOOR DRAIN	-	-
DP	100 DIAMETER PVC DOWNPIPE	-	-
DP1	150 DIAMETER PVC DOWNPIPE	-	-
DP2	300 DIAMETER PVC DOWNPIPE	-	-

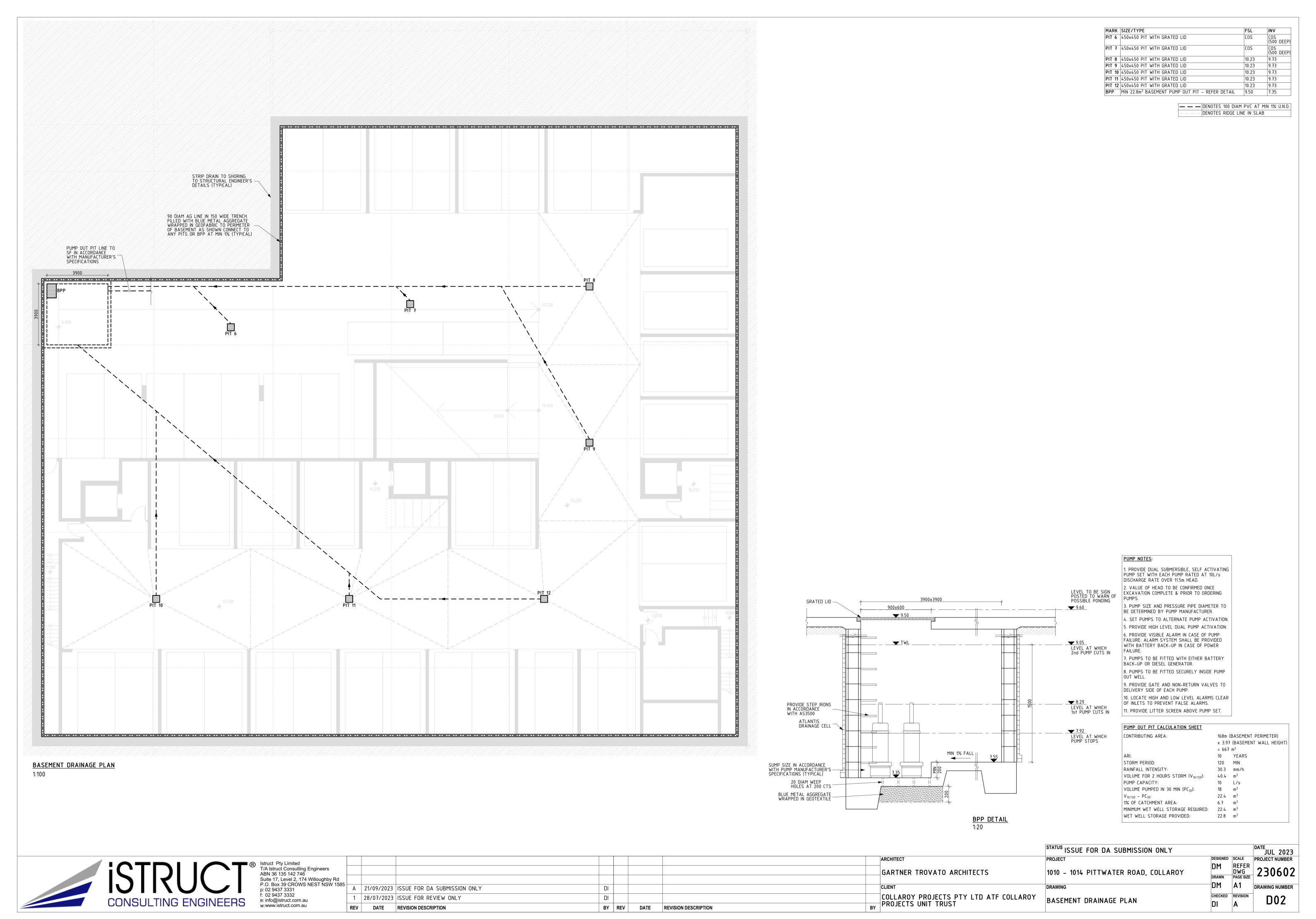
- ALL PIPES UNDER SUSPENDED FLOOR TO BE STRAPPED TO UNDERSIDE OF FLOOR

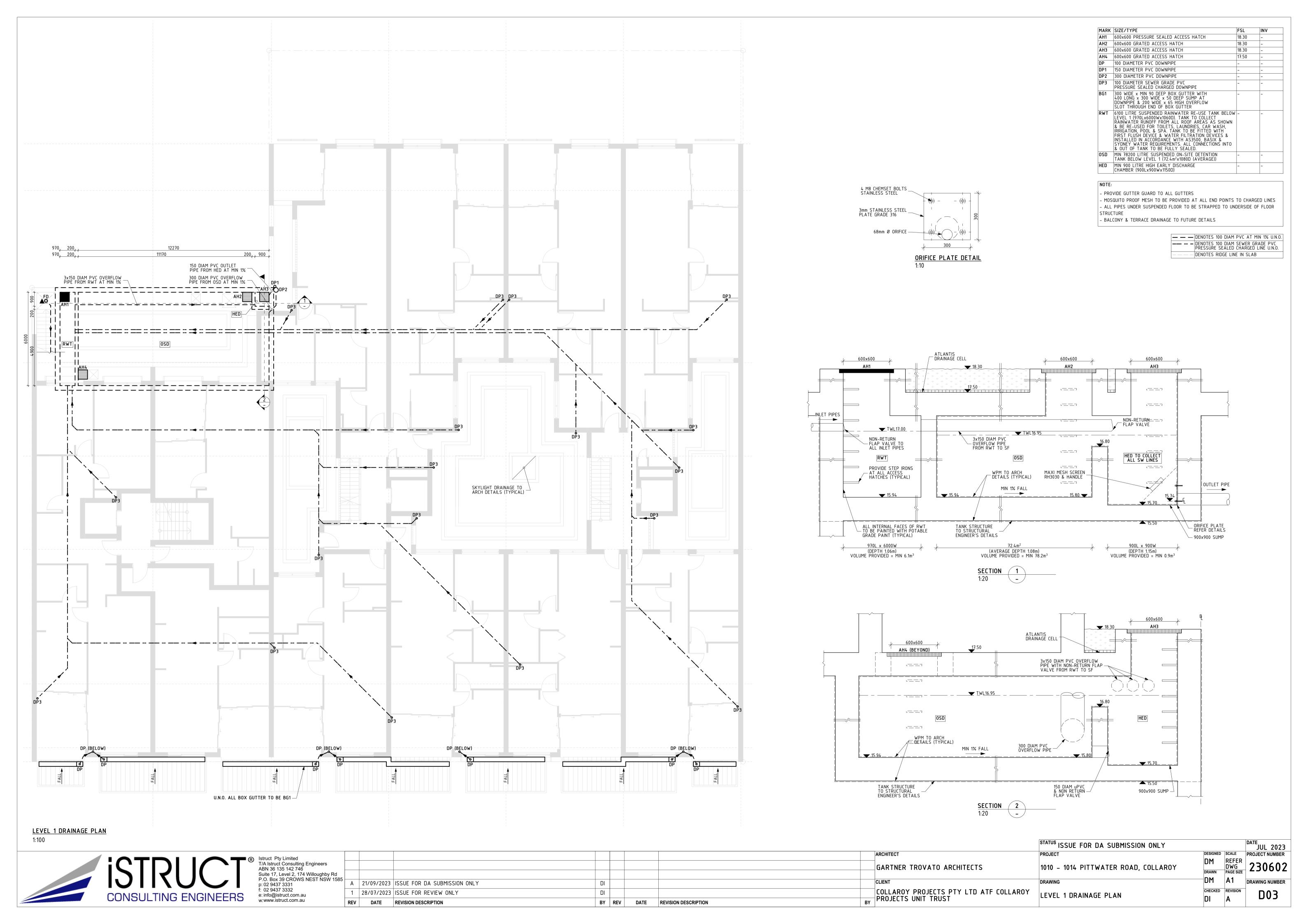
— — DENOTES 100 DIAM PVC AT MIN 1% U.N.O. --- -- DENOTES 100 DIAM SEWER GRADE PVC PRESSURE SEALED CHARGED LINE U.N.O. DENOTES RIDGE LINE IN SLAB

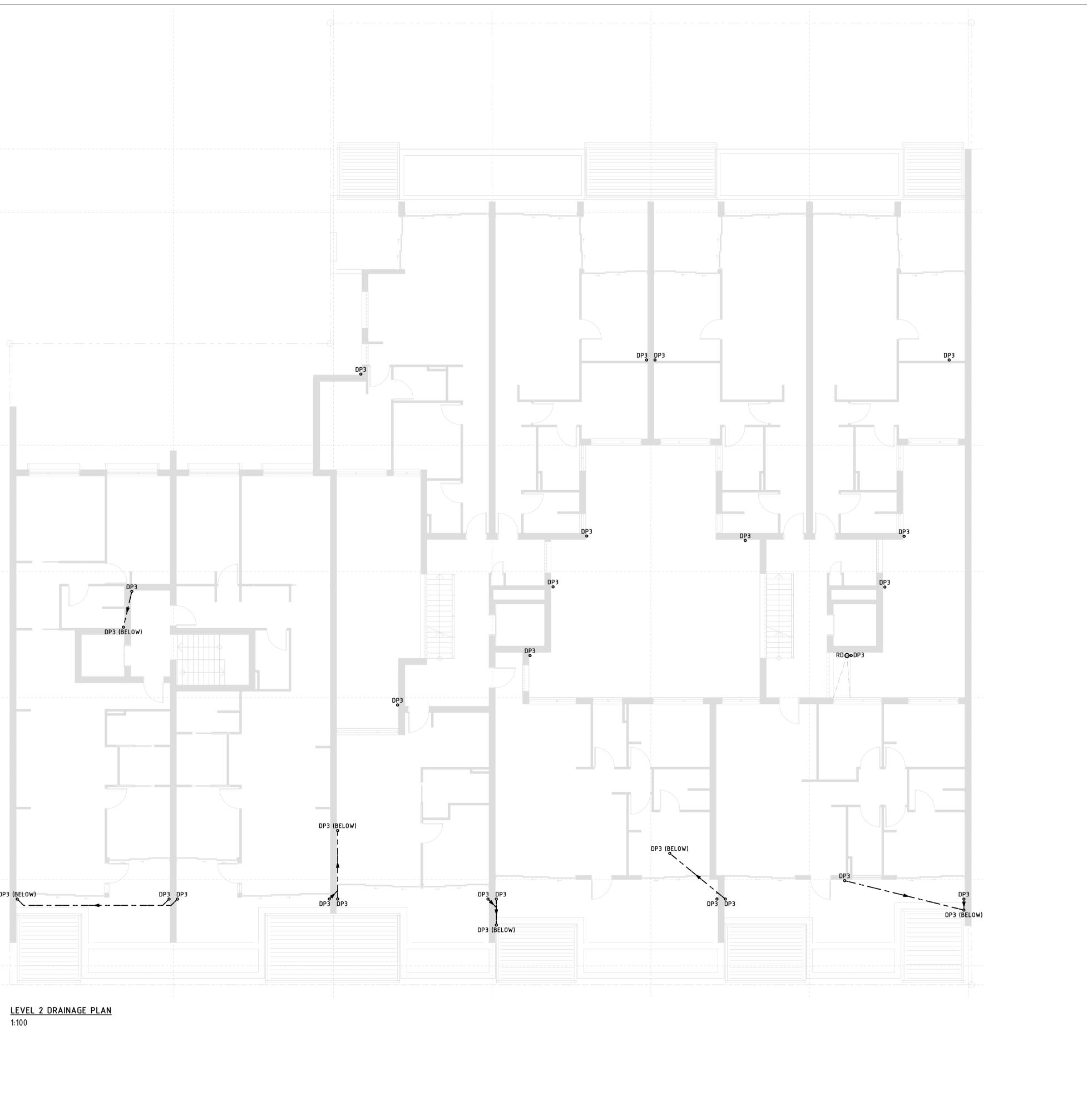
OVERFLOW PIPE CAST INSITU OR PRECAST CONCRETE PIT TO MANUFACTURER'S DETAILS

		1550L TON DA S
	ARCHITECT	PROJECT
	GARTNER TROVATO ARCHITECTS	1010 - 1014 PITTWAT
	CLIENT	DRAWING
	COLLAROY PROJECTS PTY LTD ATF COLLAROY	GROUND FLOOR DRAIN MANAGEMENT PLAN
ВУ	PROJECTS UNIT TRUST	MANAGEMENT PLAN

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CT	DESIGNED	SCALE	PROJECT NUMBER
- 1014 PITTWATER ROAD, COLLAROY	DM	REFER DWG	230602
	DRAWN	PAGE SIZE	230002
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UND FLOOR DRAINAGE & SITE STORMWATER	CHECKED	REVISION	D01







 MARK
 SIZE/TYPE
 FSL
 INV

 DP3
 100 DIAMETER SEWER GRADE PVC PRESSURE SEALED CHARGED DOWNPIPE

 RD
 200 DIAMETER ROOF DRAIN

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

DENOTES 100 DIAM PVC AT MIN 1% U.N.O.

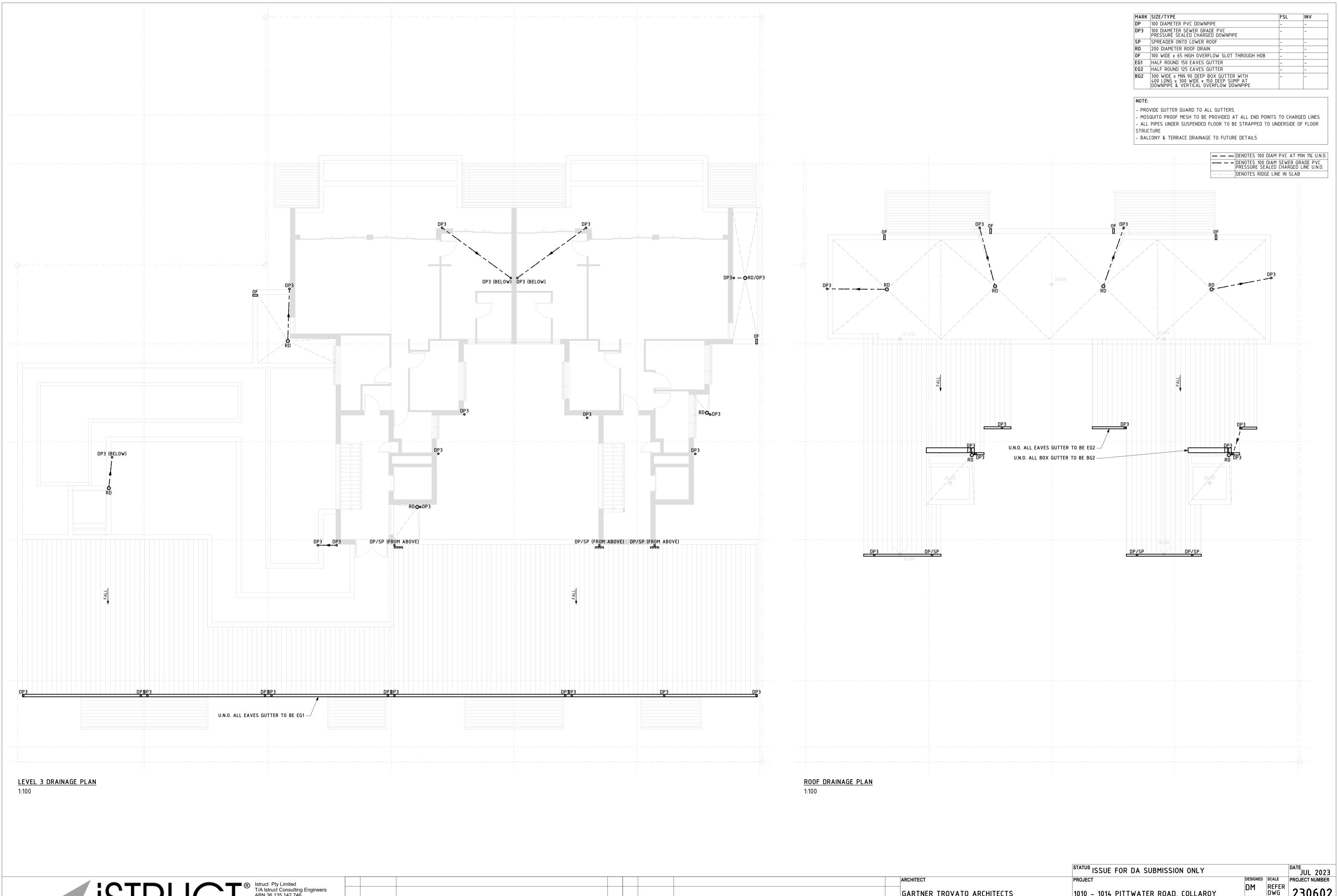
DENOTES 100 DIAM SEWER GRADE PVC PRESSURE SEALED CHARGED LINE U.N.O.

DENOTES RIDGE LINE IN SLAB

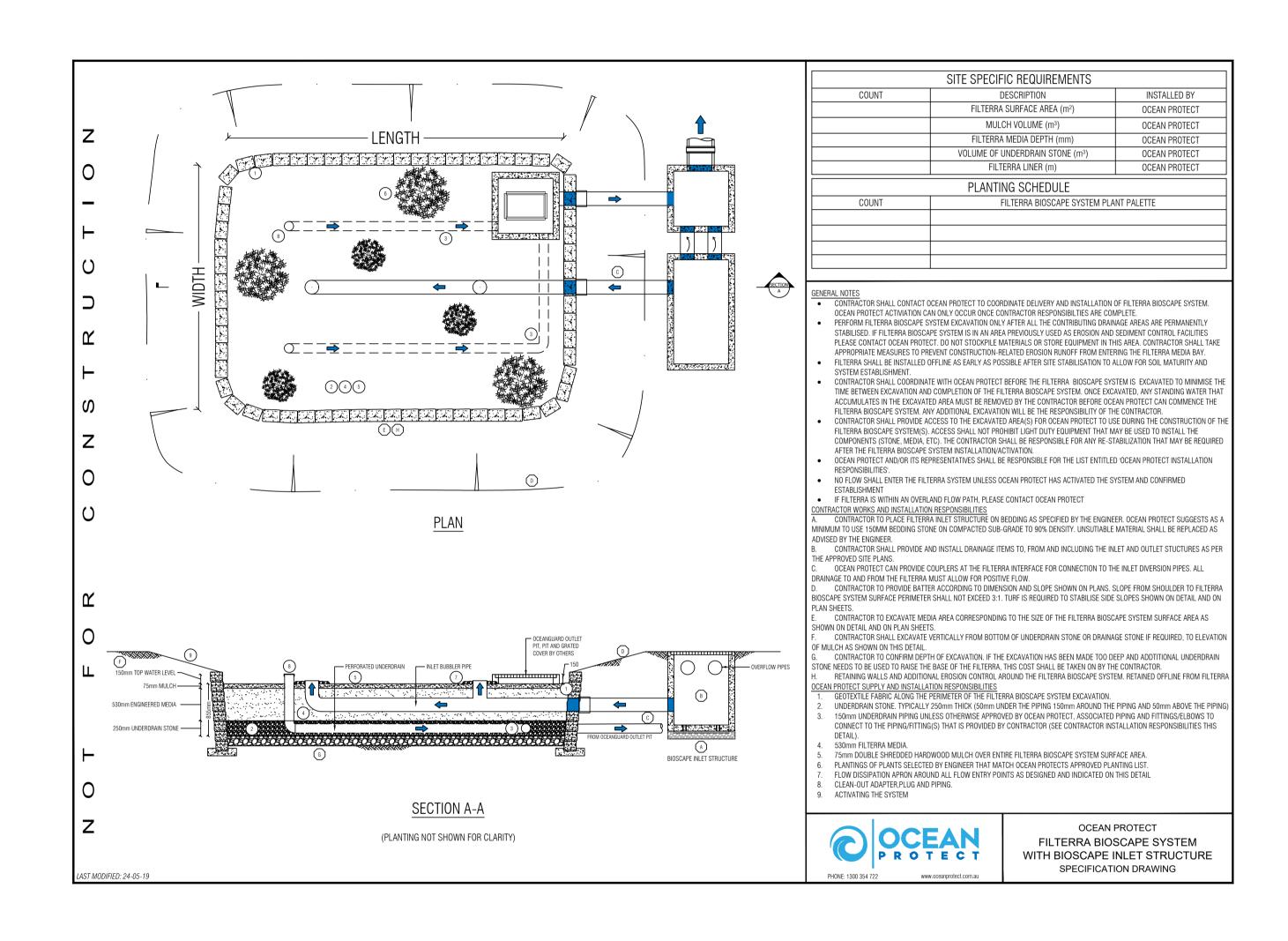
	- 200 DIAMETER GRATE
	WATERPROOF MEMBRANE TO ARCH DETAIL ROOF SLAB 100mm Ø PVC PIPE FALL AS SHOWN ON PLAN
RD DETAIL 1:10	

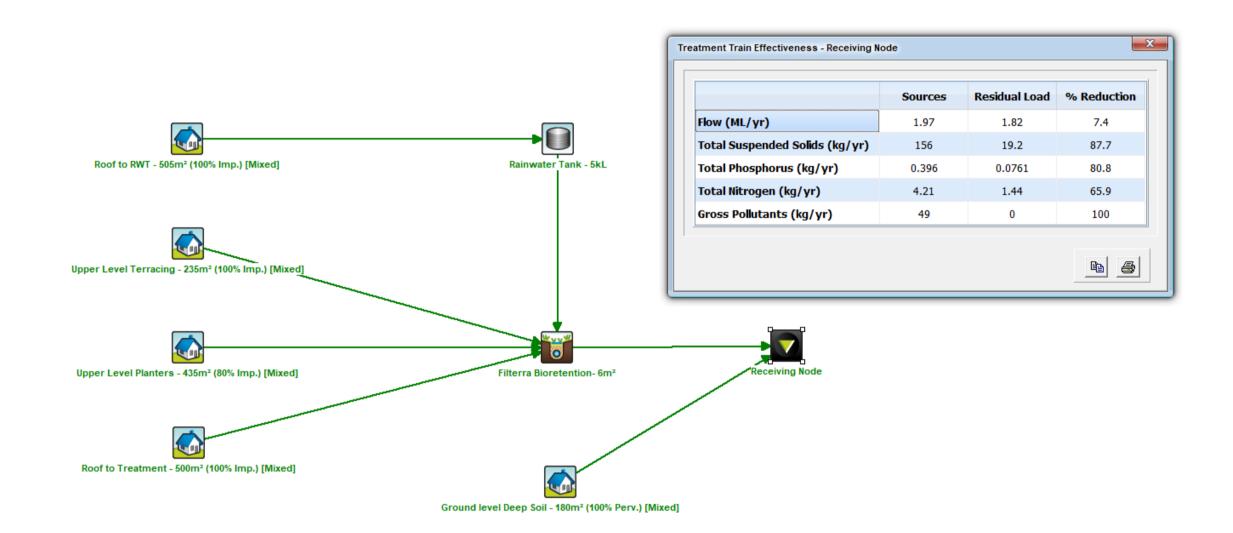
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	(Colorant Dhyllimited			ARCHITECT	PROJECT
	TOI ICT9i	R Istruct Pty Limited T/A Istruct Consulting Engineers ABN 36 135 142 746 Suite 17, Level 2, 174 Willoughby Rd			GARTNER TROVATO ARCHITECTS	1010 - 1014 PI
		P.O. Box 39 CROWS NEST NSW 1585 p: 02 9437 3331	A 21/09/2023 ISSUE FOR DA SUBMISSION ONLY	DI	CLIENT	DRAWING
	CONCLUTING ENGINEEDS	f: 02 9437 3332	1 28/07/2023 ISSUE FOR REVIEW ONLY	DI	COLLAROY PROJECTS PTY LTD ATF COLLAROY	LEVEL 2 DRAI
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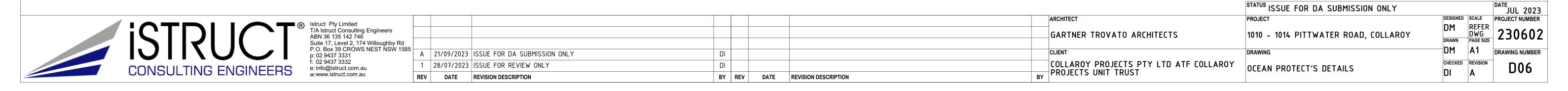
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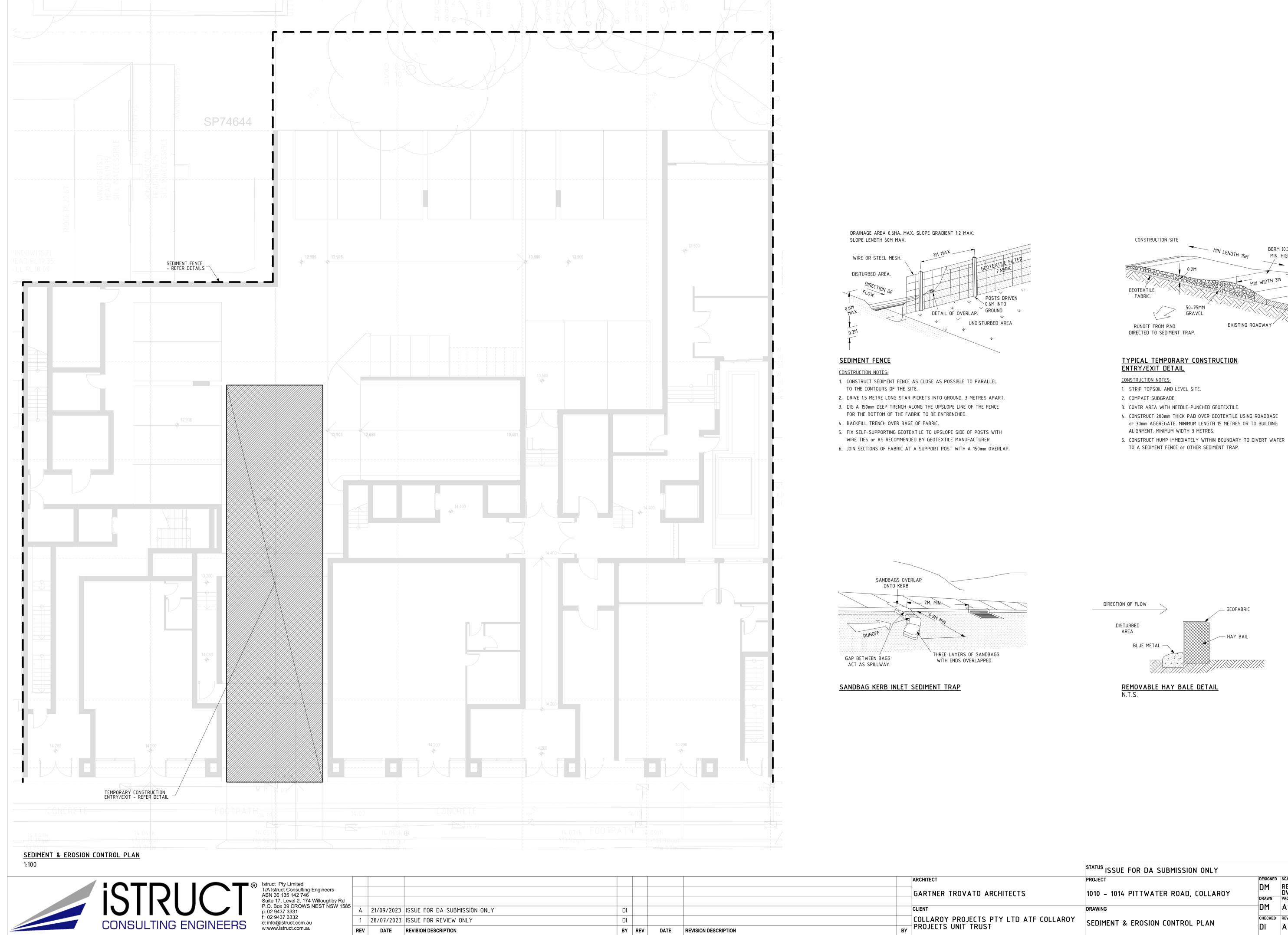


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	T/A Istruct Consulting Engineers ABN 36 135 142 746 Suite 17, Level 2, 174 Willoughby Rd				1010 - 1014 PITTWATER ROAD, COLLAROY	DM REFER DWG DRAWN PAGE SIZE	230602
	P.O. Box 39 CROWS NEST NSW 1585 p: 02 9437 3331	21/09/2023 ISSUE FOR DA SUBMISSION ONLY	DI	CLIENT	DRAWING	DM A1	DRAWING NUMBER
CONSULTING ENGINEERS	p: 02 9437 3331 A f: 02 9437 3332 e: info@istruct.com.au	1 28/07/2023 ISSUE FOR REVIEW ONLY	DI	COLLAROY PROJECTS PTY LTD ATF COLLAROY	LEVEL 3 & ROOF DRAINAGE PLANS	CHECKED REVISION	D05
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SEDIMENT & EROSION CONTROL PLAN

EXISTING ROADWAY