

- 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 U.N.O.
  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

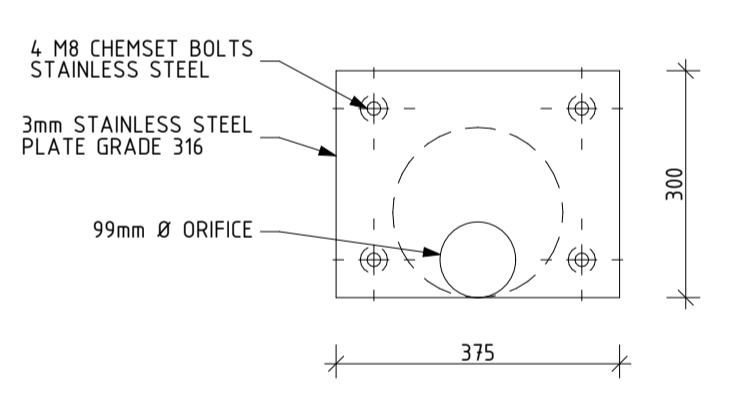
**ON-SITE DETENTION (OSD) CALCULATION SHEET**

DEVELOPMENT TYPE:	MIXED USE DEVELOPMENT
DESIGN METHOD:	SIMPLIFIED METHOD
SITE AREA:	545.0 m <sup>2</sup>
PRE DEVELOPMENT IMPERVIOUS AREA:	545.0 m <sup>2</sup>
POST DEVELOPMENT IMPERVIOUS AREA:	545.0 m <sup>2</sup>
INCREASE IN IMPERVIOUS AREA:	0.0 m <sup>2</sup>
STORMWATER REGION:	2
IMPERVIOUS AREA DRAINING TO OSD:	545.0 m <sup>2</sup>
PERVIOUS AREA DRAINING TO OSD:	0.0 m <sup>2</sup>
IMPERVIOUS AREA BYPASSING OSD:	0.0 m <sup>2</sup>
PERVIOUS AREA BYPASSING OSD:	0.0 m <sup>2</sup>
MINIMUM SITE STORAGE REQUIRED:	17.0 m <sup>3</sup>
MAXIMUM PERMISSIBLE SITE DISCHARGE:	17.0 l/s
TYPE OF CONTROL:	SUSPENDED TANK BELOW GROUND FLOOR
OSD DIMENSION:	7.51m x 3.88m x 0.59m (AVERAGE DEPTH)
OSD VOLUME PROVIDED:	17.1 m <sup>3</sup>
DEPTH TO CENTRE OF ORIFICE:	0.69 m
ORIFICE SIZE:	99 mm Ø

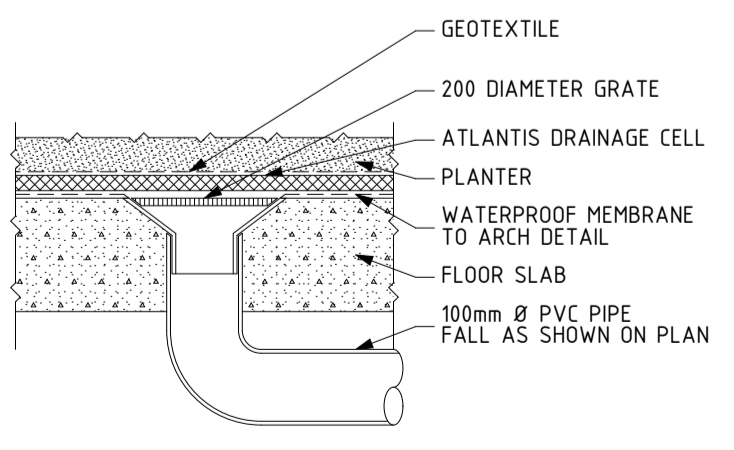
MARK	SIZE/TYPE	FSL	INV
PIT 1	600x600 PIT WITH GRATED LID	11.67	11.12 OUTLET 10.92 BASE
AH1	600x600 GRATED ACCESS HATCH	12.77	TBC
AH2	600x600 PRESSURE SEALED ACCESS HATCH	12.90	-
FD1	100 WIDE x 100 DEEP GRATED DRAIN	-	-
FD1	200 DIAMETER FLOOR DRAIN (PLANTER)	-	-
DP	100 DIAMETER PVC DOWNPIPE	-	-
DP1	100 DIAMETER PVC DOWNPIPE TO COLLECT FLOOR RUNOFF ONLY	-	-
DP2	100 DIAMETER PVC DOWNPIPE TO COLLECT AWNING RUNOFF ONLY	-	-
OSD	MIN 17100 LITRE BELOW GROUND ON-SITE DETENTION TANK (7510Lx3880Wx590D (AVERAGE))	-	-

**NOTE:**  
- ALL PIPES UNDER SUSPENDED FLOOR TO BE STRAPPED TO UNDERSIDE OF FLOOR STRUCTURE AT MIN 1%

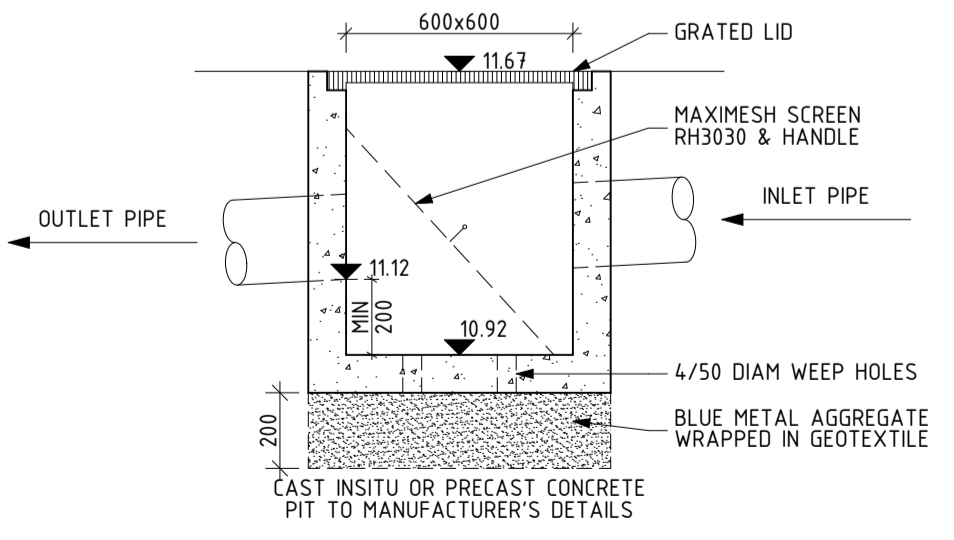
**GROUND FLOOR DRAINAGE & PART SITE STORMWATER MANAGEMENT PLAN**  
1:100



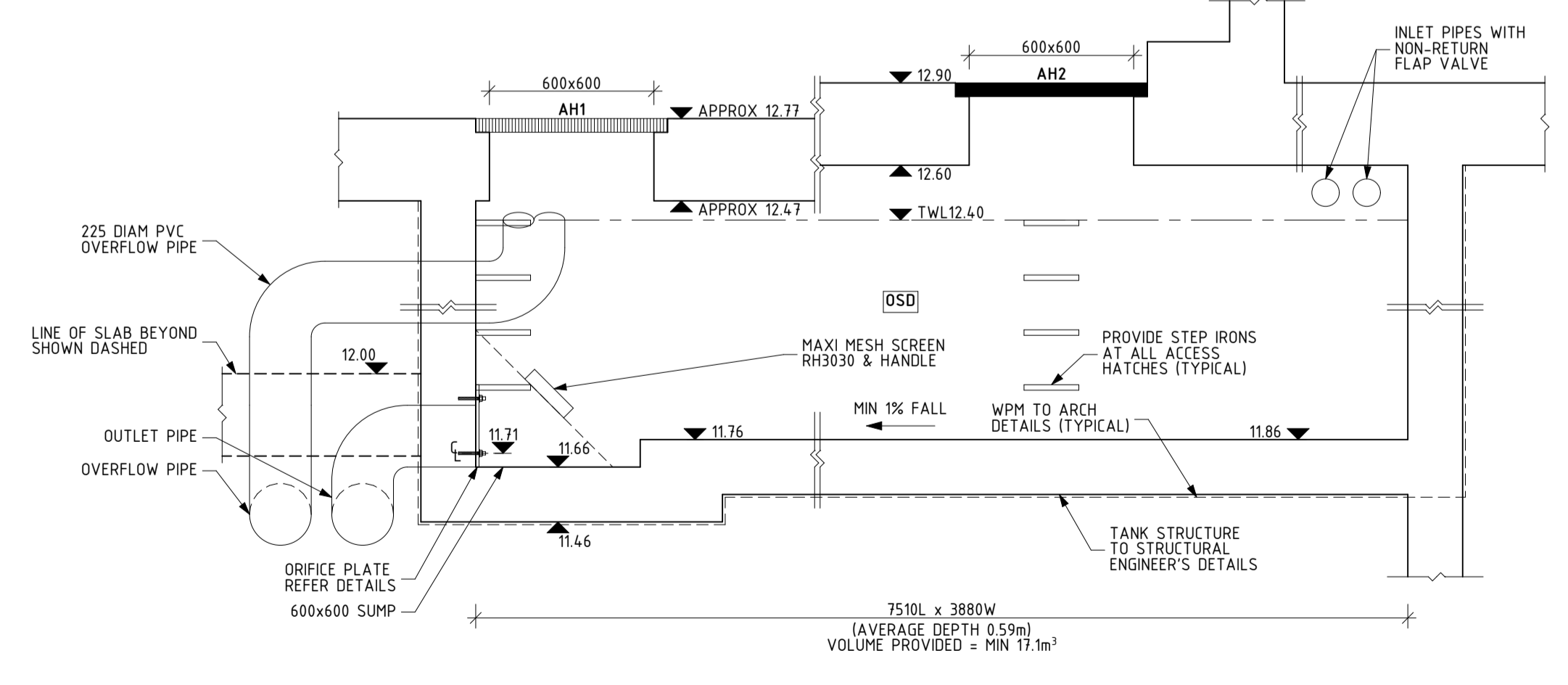
**ORIFICE PLATE DETAIL**  
1:10



**FD1 DETAIL**  
1:10



**PIT 1 DETAIL**  
1:20



**SECTION 1**  
1:20

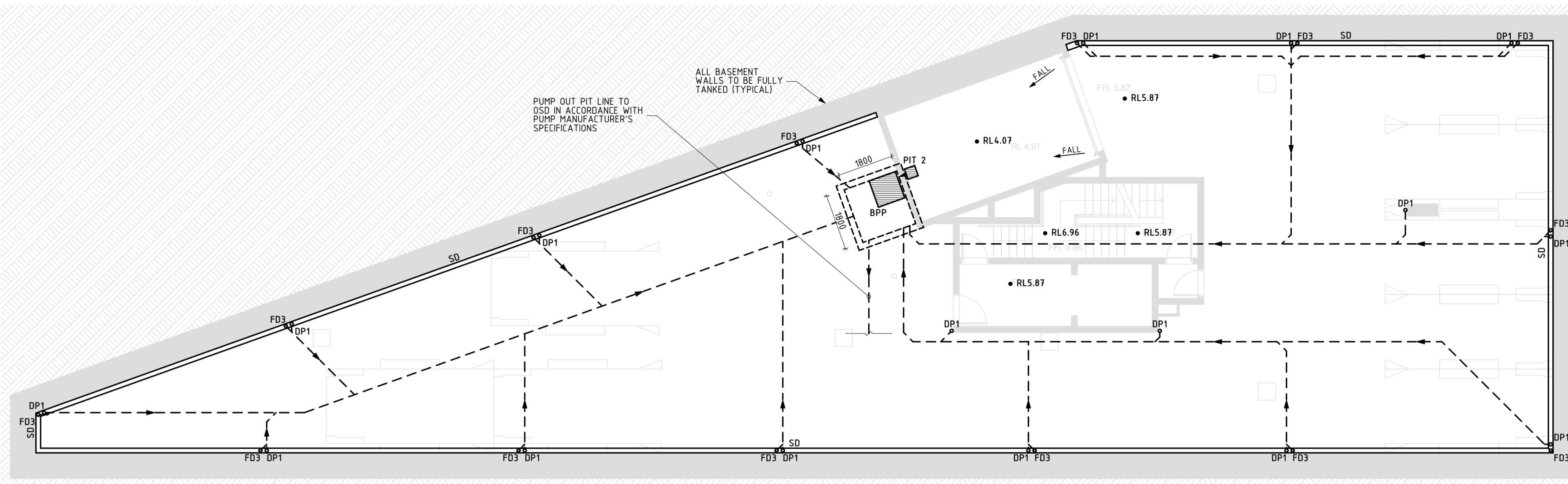
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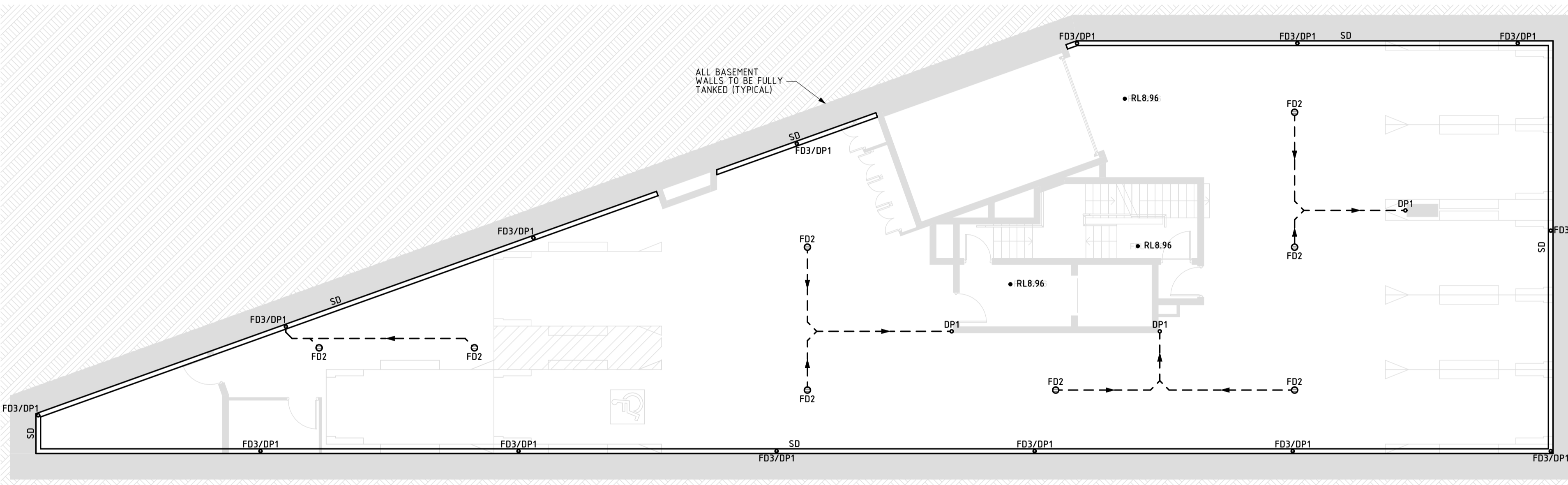
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B	27/11/2024	AMENDED TO SUIT LATEST ARCH DRAWINGS	DI				
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ARCHITECT	PLATFORM ARCHITECTS
CLIENT	HARRINGTON DEE WHY PTY LTD

STATUS	ISSUE FOR DA SUBMISSION ONLY	DATE	OCT 2024
PROJECT	154-158 PACIFIC PARADE, DEE WHY	PROJECT NUMBER	240901
DRAWING	STORMWATER MANAGEMENT PLAN	DRAWING NUMBER	D01
DESIGNED	DM	SCALE	REFER DWG
DRAWN	DM	PAGE SIZE	A1
CHECKED	DI	REVISION	B



**BASEMENT 2 DRAINAGE PLAN**  
1:100



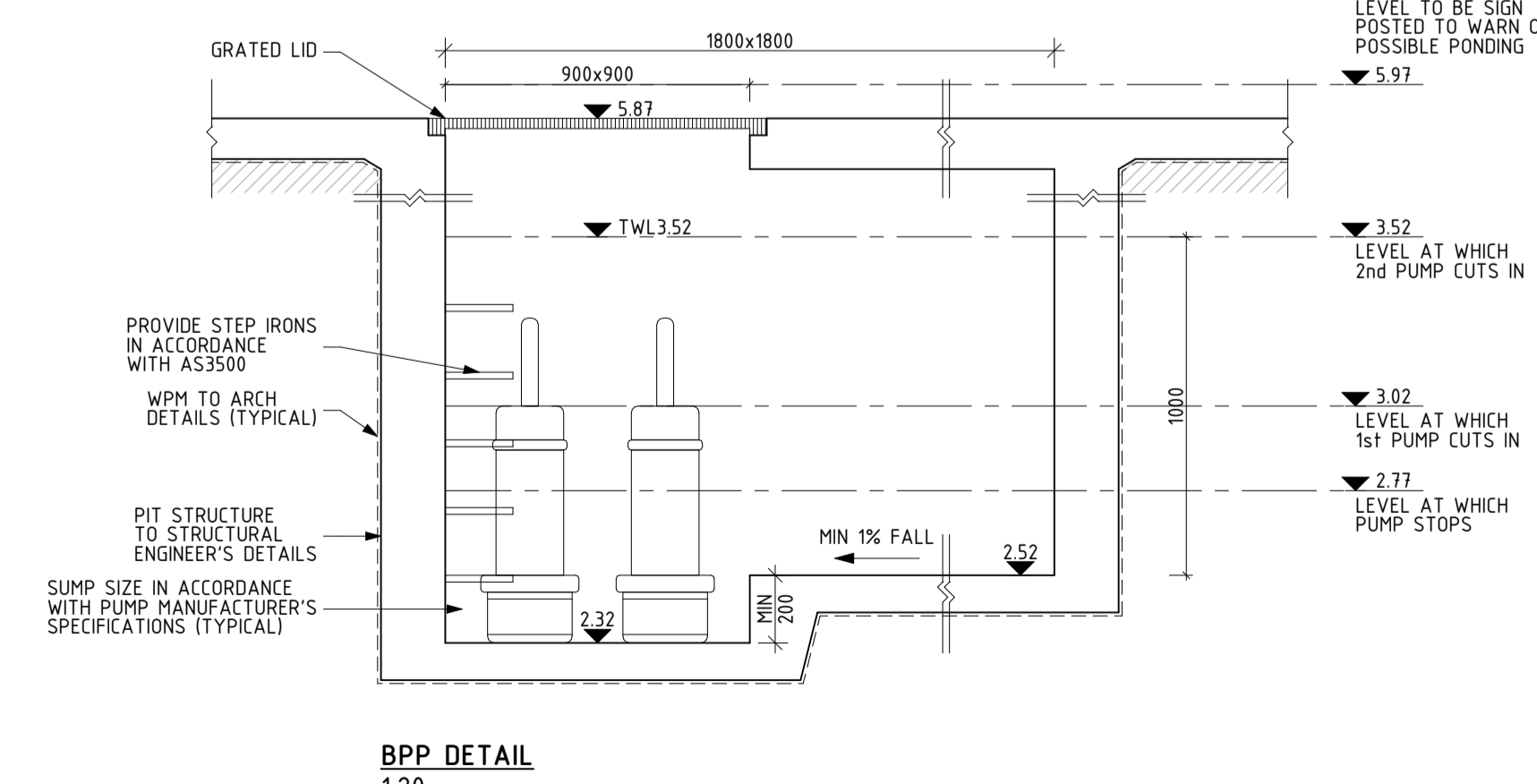
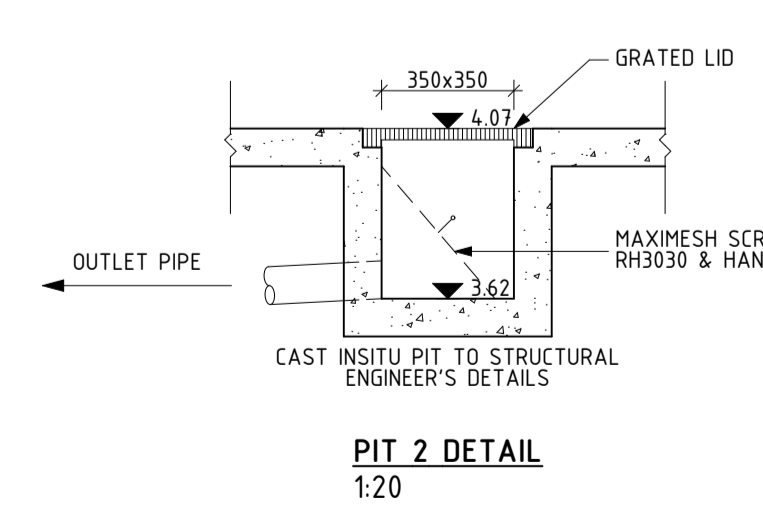
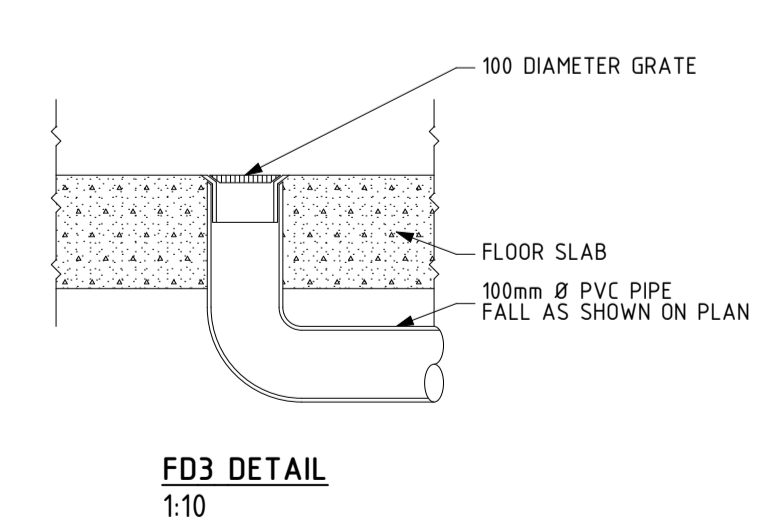
**BASEMENT 1 DRAINAGE PLAN**  
1:100

MARK	SIZE/TYPE	FSL	INV
PIT 2	350x350 PIT WITH GRATED LID	4.07	3.62
BPP	MIN 3m <sup>3</sup> BASEMENT PUMP OUT PIT - REFER DETAIL	5.87	2.32
SD	MIN 150 WIDE x 50 DEEP SPOON DRAIN FORMED IN SLAB MIN 1% FALL TO OUTLETS	-	-
FD2	200 DIAMETER FLOOR DRAIN	-	-
FD3	100 DIAMETER FLOOR DRAIN	-	-
DP1	100 DIAMETER PVC DOWNPIPE TO COLLECT FLOOR RUNOFF ONLY	-	-

**NOTE:**  
 - ALL PIPES UNDER SUSPENDED FLOOR TO BE STRAPPED TO UNDERSIDE OF FLOOR STRUCTURE AT MIN 1%  
 - ALL PIPES ON BASEMENT 2 TO BE uPVC CAST IN SLAB AT MIN 1%

**PUMP OUT PIT CALCULATION SHEET**

CONTRIBUTING AREA:	30.0	m <sup>2</sup>
ARI:	10	YEARS
STORM PERIOD:	120	MIN
RAINFALL INTENSITY:	50.8	mm/h
VOLUME FOR 2 HOURS STORM (V <sub>60/120</sub> ):	3.05	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>60/120</sub> - PC <sub>30</sub> :	0.0	m <sup>3</sup>
1% OF CATCHMENT AREA:	0.3	m <sup>3</sup>
MINIMUM WET WELL STORAGE REQUIRED:	3.0	m <sup>3</sup>
WET WELL STORAGE PROVIDED:	3.2	m <sup>3</sup>



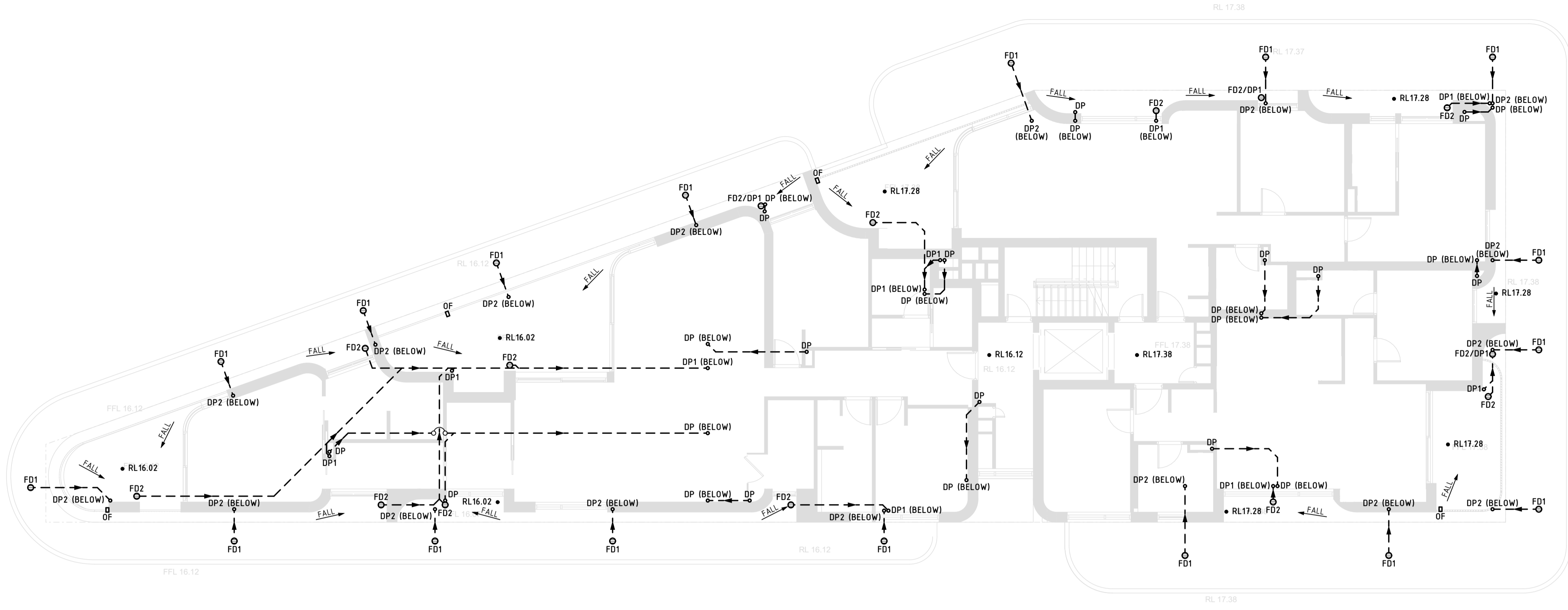
- PUMP NOTES:**
1. PROVIDE DUAL SUBMERSIBLE, SELF ACTIVATING PUMP SET WITH EACH PUMP RATED AT 10L/s DISCHARGE RATE OVER 11.1m HEAD.
  2. VALUE OF HEAD TO BE CONFIRMED ONCE EXCAVATION COMPLETE & PRIOR TO ORDERING PUMPS.
  3. PUMP SIZE AND PRESSURE PIPE DIAMETER TO BE DETERMINED BY PUMP MANUFACTURER.
  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.

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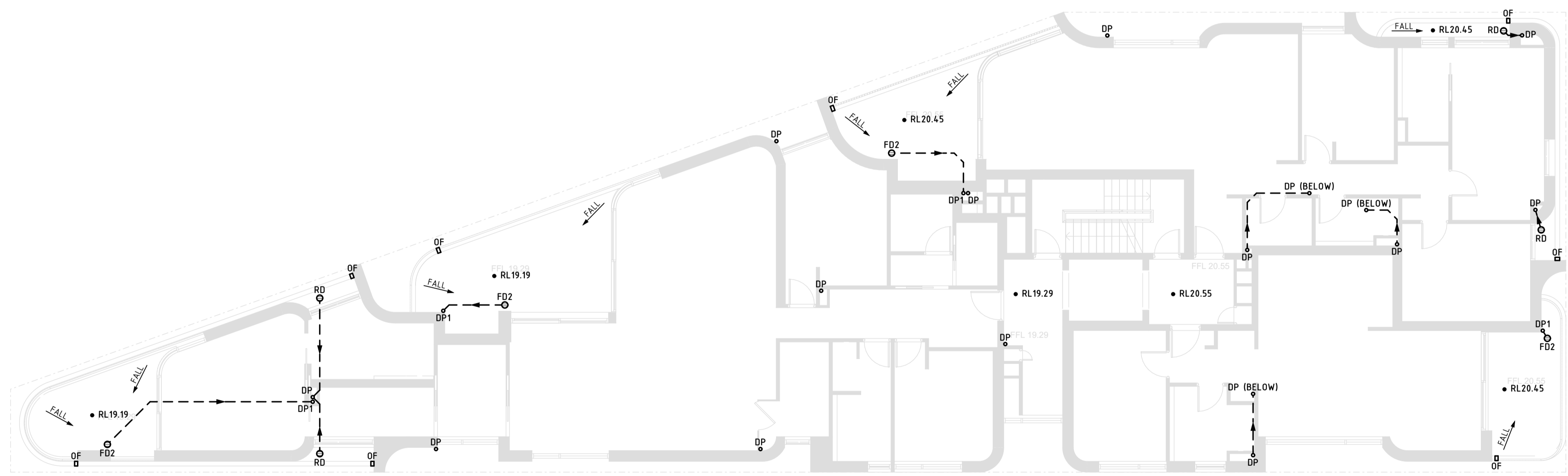
ARCHITECT  
**PLATFORM ARCHITECTS**

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STATUS	ISSUE FOR DA SUBMISSION ONLY	DATE	OCT 2024
PROJECT	154-158 PACIFIC PARADE, DEE WHY	PROJECT NUMBER	240901
DRAWING	BASEMENT DRAINAGE PLANS	DRAWING NUMBER	D02



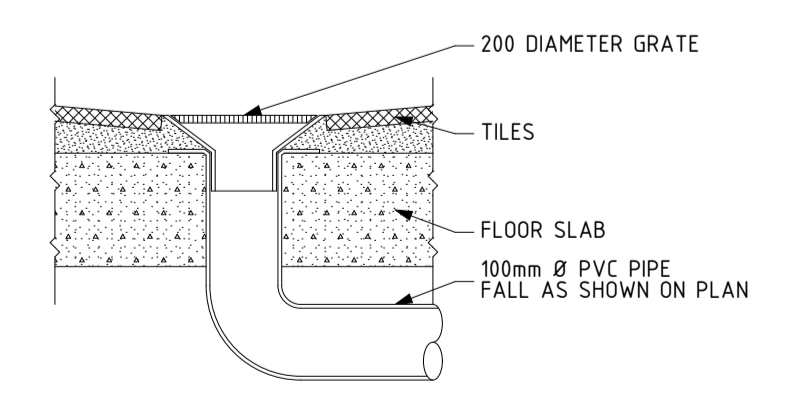
**FIRST FLOOR DRAINAGE PLAN**  
1:100



**SECOND FLOOR DRAINAGE PLAN**  
1:100

MARK	SIZE/TYPE
FD1	200 DIAMETER FLOOR DRAIN (PLANTER)
FD2	200 DIAMETER FLOOR DRAIN
OF	100 WIDE x 65 HIGH OVERFLOW SLOT THROUGH HOB
DP	100 DIAMETER PVC DOWNPIPE
DP1	100 DIAMETER PVC DOWNPIPE TO COLLECT FLOOR RUNOFF ONLY
DP2	100 DIAMETER PVC DOWNPIPE TO COLLECT AWNING RUNOFF ONLY

**NOTE:**  
- ALL PIPES UNDER SUSPENDED FLOOR TO BE STRAPPED TO UNDERSIDE OF FLOOR STRUCTURE AT MIN 1%



**FD2 DETAIL**  
1:10

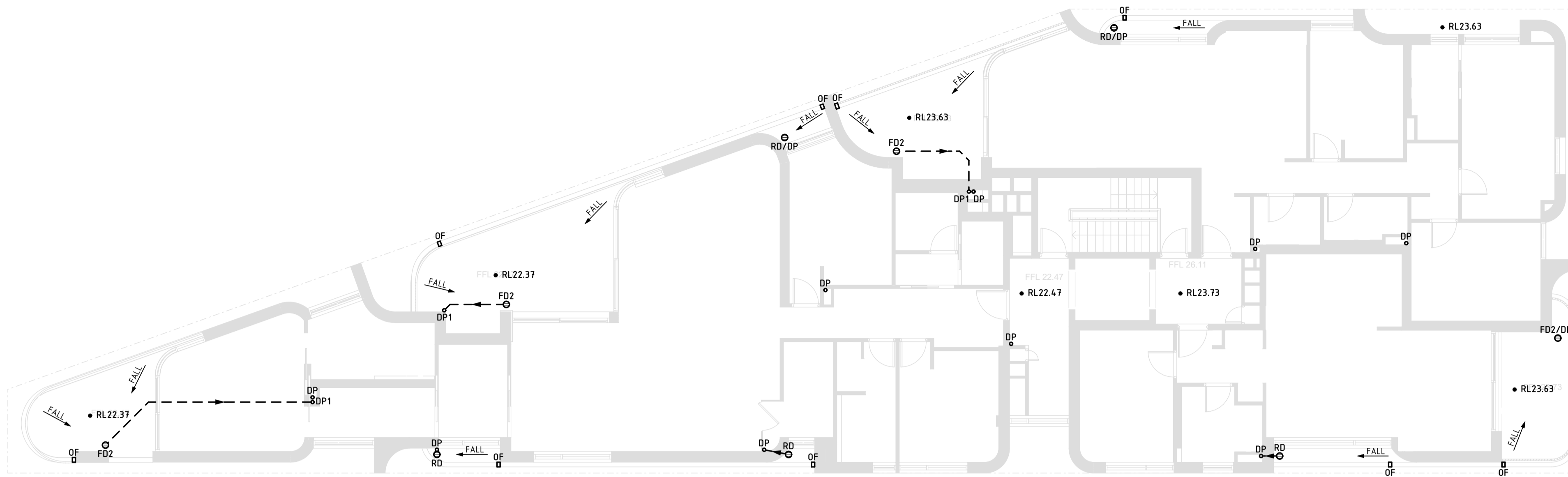
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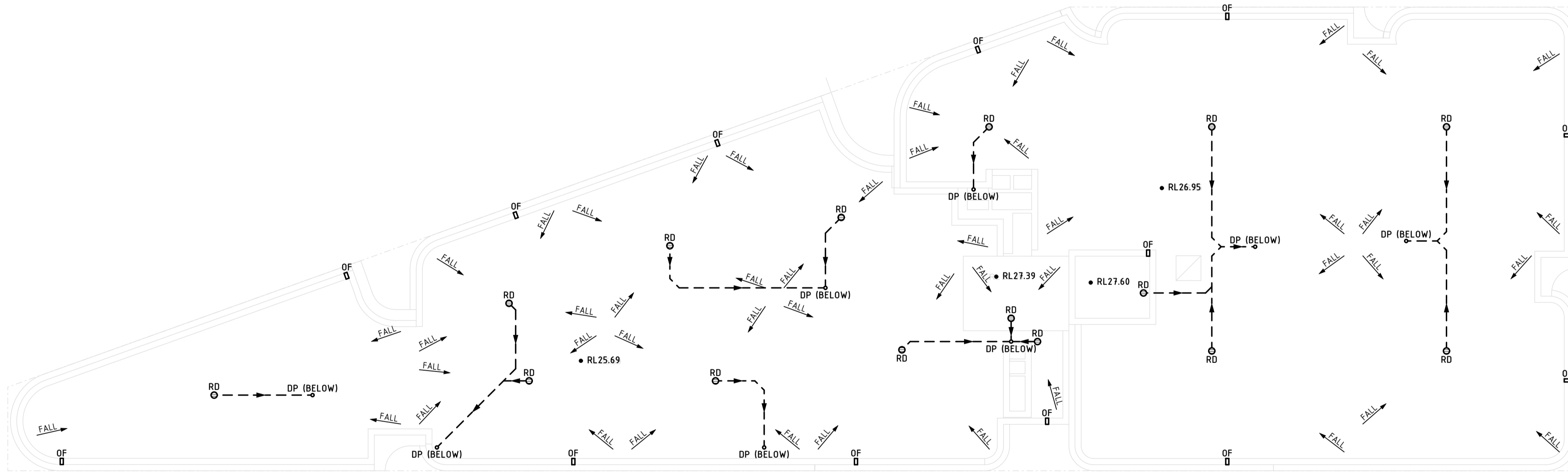
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PROJECT	154-158 PACIFIC PARADE, DEE WHY	PROJECT NUMBER	240901
DRAWING	FIRST & SECOND FLOOR DRAINAGE PLANS	DRAWING NUMBER	D03
DESIGNED	DM	SCALE	REFER DWG
DRAWN	DM	PAGE SIZE	A1
CHECKED	D1	REVISION	B



**THIRD FLOOR DRAINAGE PLAN**  
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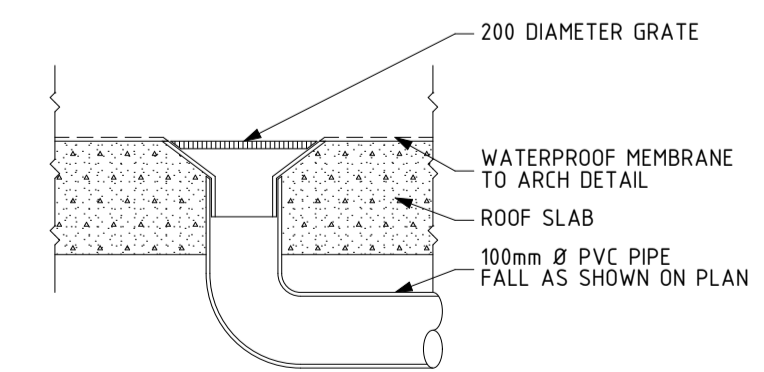
**ROOF DRAINAGE PLAN**

1:100

MARK	SIZE/TYPE
FD2	200 DIAMETER FLOOR DRAIN
RD	200 DIAMETER ROOF DRAIN
OF	100 WIDE x 65 HIGH OVERFLOW SLOT THROUGH HOB
DP	100 DIAMETER PVC DOWNPIPE
DP1	100 DIAMETER PVC DOWNPIPE TO COLLECT FLOOR RUNOFF ONLY

**NOTE:**

- ALL PIPES UNDER SUSPENDED FLOOR TO BE STRAPPED TO UNDERSIDE OF FLOOR STRUCTURE AT MIN 1%

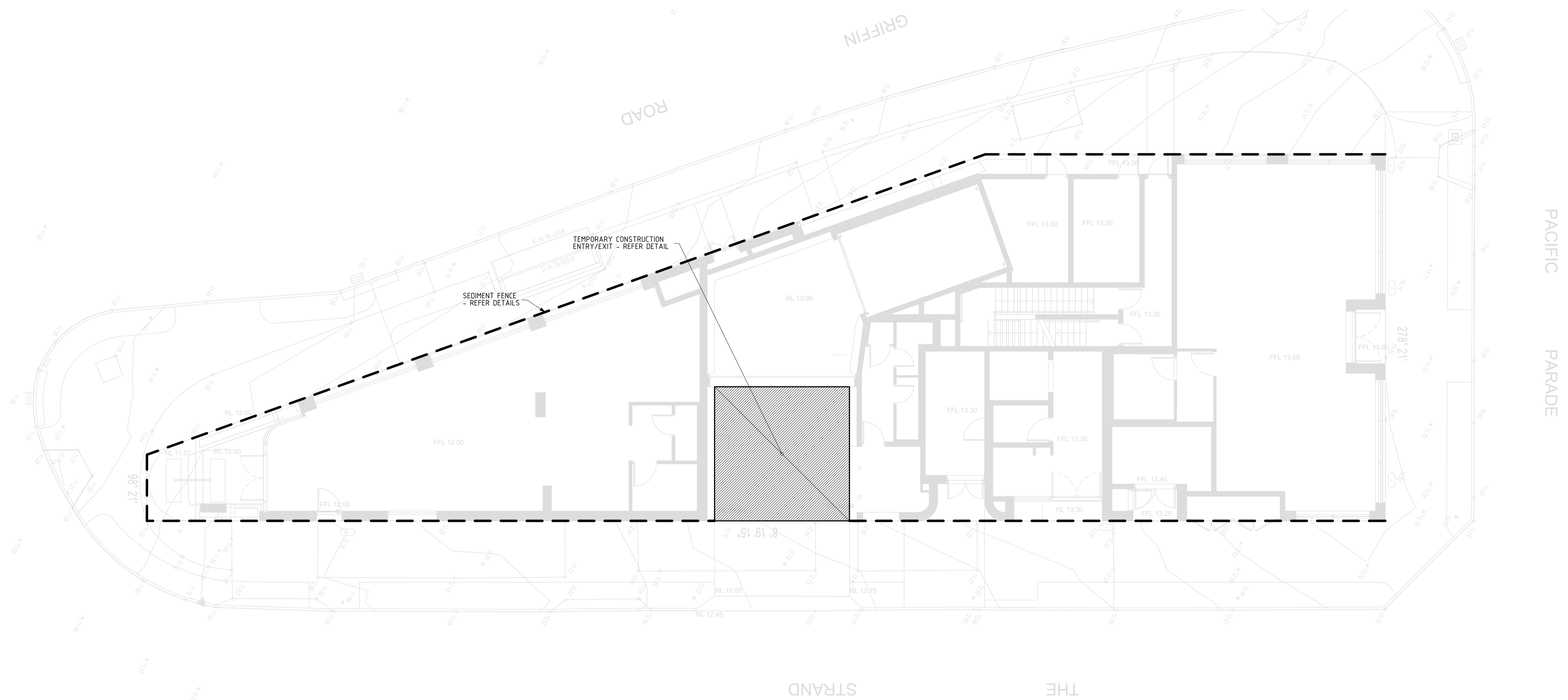


**RD DETAIL**  
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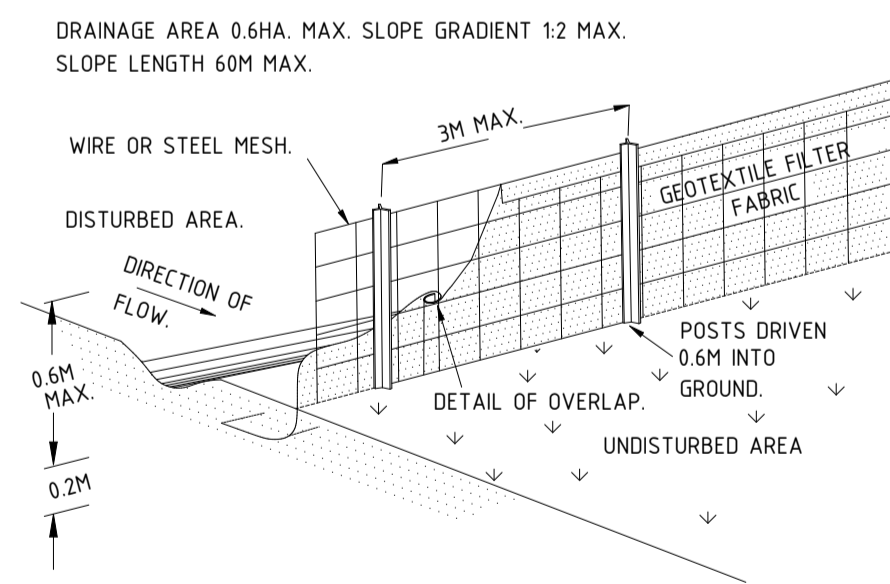
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PROJECT	154-158 PACIFIC PARADE, DEE WHY	PROJECT NUMBER	240901
DRAWING	THIRD FLOOR & ROOF DRAINAGE PLANS	DRAWING NUMBER	D04
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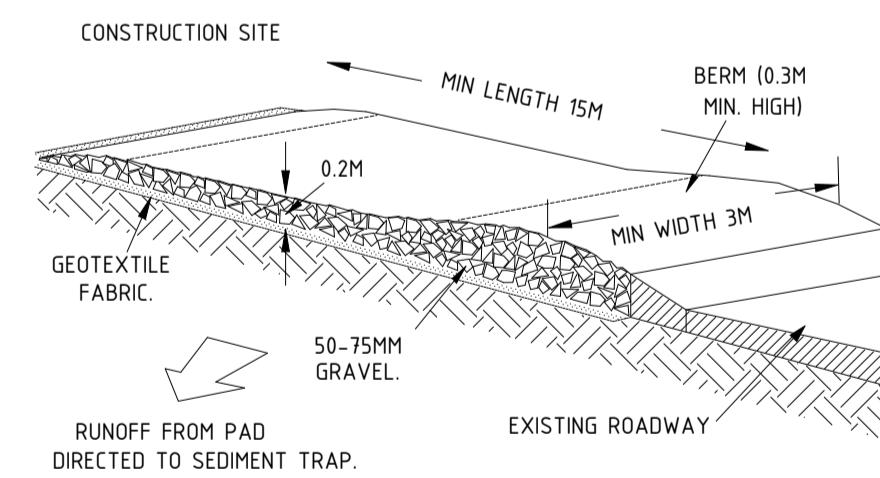
**SEDIMENT & EROSION CONTROL PLAN**  
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**SEDIMENT FENCE**

**CONSTRUCTION NOTES:**

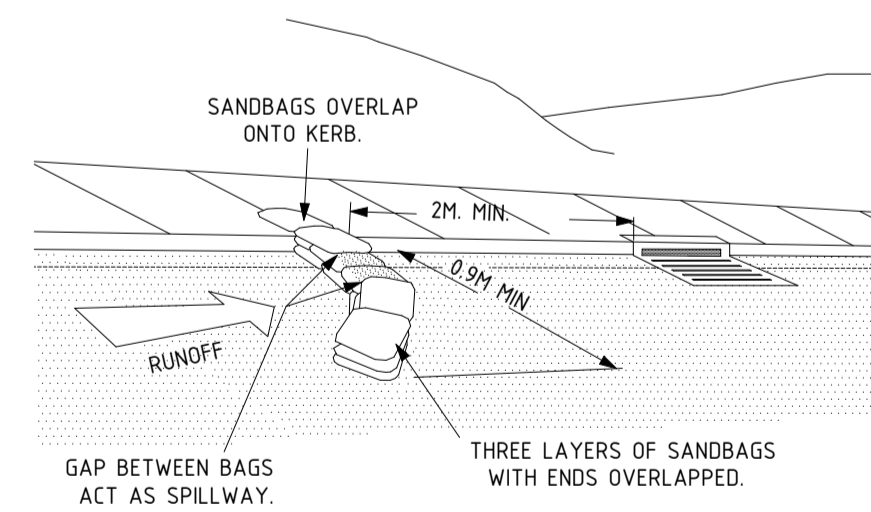
1. CONSTRUCT SEDIMENT FENCE AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE.
2. DRIVE 15 METRE LONG STAR PICKETS INTO GROUND, 3 METRES APART.
3. DIG A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
4. BACKFILL TRENCH OVER BASE OF FABRIC.
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.



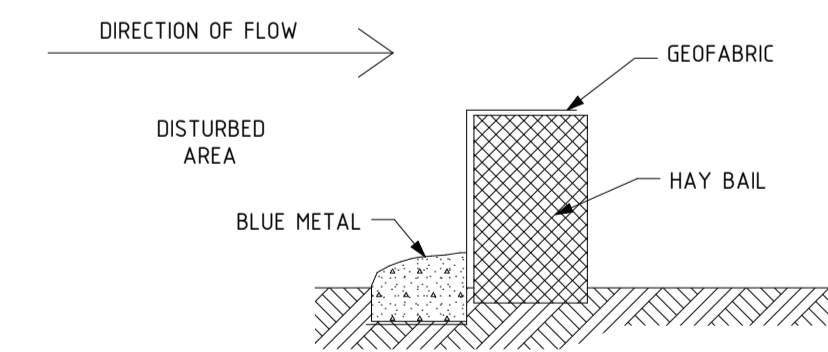
**TYPICAL TEMPORARY CONSTRUCTION ENTRY/EXIT DETAIL**

**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.



**SANDBAG KERB INLET SEDIMENT TRAP**



**REMOVABLE HAY BALE DETAIL**  
N.T.S.

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STATUS	ISSUE FOR DA SUBMISSION ONLY	DATE	OCT 2024
PROJECT	154-158 PACIFIC PARADE, DEE WHY	PROJECT NUMBER	240901
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