

- 100 x 100 x 6 ANGLES, TYPICAL - 150 x 75 x 6 RHS AT EQUIVALENT PROPRIETARY SYSTEMS MAY BE 2000 CTS. USED AS AN ALTERNATIVE



1. WASTE BINS WILL BE EMPTIED AS NECESSARY. DISPOSAL OF WASTE WILL BE IN A MANNER APPROVED BY THE SITE SUPERINTENDENT.

6. UNDERTAKE WORKS ACCORDING TO THE ENGINEERING PLANS.

2. THE SITE SUPERINTENDENT WILL INSPECT THE SITE AT LEAST WEEKLY

EROSION & SEDIMENT CONTROL NOTES

ALL EROSION & SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AS

3. THE TEMPORARY SEDIMENT TRAP PIT SHALL BE CLEANED REGULARLY. IN

DEWATERING OF THE EXCAVATION, PUMPING SHALL BE STOPPED AND THE

4. DUST SHALL BE CONTROLLED BY REGULAR MOISTENING OF EXCAVATED

THE EVENT THE GEOTEXTILE FILTER BECOMES CLOGGED DURING

SOIL & WATER MANAGEMENT PLAN NOTES

2. INSTALL ALL BARRIER FENCING TO EXCLUDE ACCESS TO THE

3. CONSTRUCT EARTH BANKS AND CUT-OFF DRAINS TO DIRECT OVERLAND

5. STRIP AND STOCKPILE TOPSOIL FROM THOSE LANDS TO BE EXPOSED TO

4. CONSTRUCT EARTH BANKS & CUT-OFF DRAINS TO DIRECT OVERLAND

2. THE TRUCK SHAKER SHALL BE REGULARLY CLEANED BY LIFTING, DISLODGING &

SHOWN ON THE DRAWINGS.

FILTER CLEANED OR RENEWED.

SERVICES AND STOCKPILES.

A. CONSTRUCTION SEQUENCE

FLOW BEYOND THE SITE.

CONSTRUCTION ACTIVITIES.

1. CONSTRUCT STABILISED SITE ACCESSES.

FLOW TO THE DESIGNATED OUTLET PIT.

NOMINATED RESTRICTED AREAS.

REMOVING SPOIL.

- a) ENSURE THAT DRAINS OPERATE PROPERLY AND TO EFFECT ANY NECESSARY REPAIRS;
- b) REMOVE SPILLED SAND OR OTHER MATERIALS FROM HAZARD AREAS, INCLUDING LANDS CLOSER THAN FIVE METRES FROM AREAS OF LIKELY CONCENTRATED OR HIGH VELOCITY FLOWS ESPECIALLY WATERWAYS AND PAVED AREAS;
- c) REMOVE TRAPPED SEDIMENT WHENEVER LESS THAN DESIGN CAPACITY REMAINS WITHIN THE STRUCTURE;
- d) ENSURE REHABILITATED LANDS HAVE EFFECTIVELY REDUCED THE EROSION HAZARD AND TO INITIATE UPGRADING OR REPAIR AS
- e) MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES IN A FULLY FUNCTIONING CONDITION UNTIL ALL EARTHWORK ACTIVITIES ARE COMPLETED AND THE SITE IS REHABILITATED; AND
- f) REMOVE TEMPORARY SOIL CONSERVATION STRUCTURES AS THE LAST ACTIVITY IN THE REHABILITATION PROGRAM.
- 3. AS A PART OF THE STATUTORY "DILIGENCE AND CARE" RESPONSIBILITIES, THE SITE SUPERINTENDENT WILL KEEP A LOG BOOK, MAKING ENTRIES AT LEAST WEEKLY, IMMEDIATELY BEFORE FORECAST RAIN AND AFTER RAINFALL. ENTRIES WILL INCLUDE:
- a) THE VOLUME AND INTENSITY OF ANY RAINFALL EVENTS;
- b) THE CONDITION OF ANY SOIL AND WATER MANAGEMENT WORKS;
- c) THE CONDITION OF VEGETATION AND ANY NEED TO IRRIGATE; d) THE NEED FOR DUST PREVENTION STRATEGIES; AND
- e) ANY REMEDIAL WORKS TO BE UNDERTAKEN.
- THE BOOK WILL BE KEPT ON-SITE AND MADE AVAILABLE TO ANY AUTHORISED PERSON ON REQUEST. IT WILL BE GIVEN TO THE PROJECT MANAGER AT THE CONCLUSION OF WORKS.

TYPICAL TRUCK SHAKER

FOR DEVELOPMENT **APPLICATION**

CRAWFORD ARCHITECTS CLIENT:

Proposed Development 351 Barrenjoey Road NEWPORT

INTELLIGENT THINKING

SW05 P3

P3	15.09.21	NUMBER CHANGED	RAL	This drawing MUST be read in conjunction with
P2	11.12.20	ARCH LAYOUT UPDATED (DRAWING WAS SW05)	DAW	ALL other drawings for this project including
P1	17.09.19	ISSUED FOR DEVELOPMENT APPLICATION	RAL	but not limited to all construction notes.
REV.No	DATE	REVISION	BY	

DEVELOPMENT LINK SEDIMENT & EROSION CONTROL DETAILS

Proposed Development - Stormwater 351 Barrenjoey Road NEWPORT

STORMWATER DRAINAGE NOTES:

GENERAL NOTES:

- D1. All levels are to Australian Height Datum (AHD), unless noted
- D2. Dimensions shall not be scaled from drawings.
- D3. The Contractor must verify all dimensions on site prior to commencement of the works.
- D4. These plans shall be read in conjunction with the approved Architectural, Structural, Mechanical, Hydraulic, Electrical, Landscape & other Consultants drawings.
- D5. Where new work abuts existing, the Contractor shall ensure a smooth even profile free from abrupt changes.
- D6. The Contractor shall arrange for all survey setout & as-built to be performed by a Registered Surveyor.
- D7. Invert levels are given at critical locations. The Contractor/Drainer shall determine levels on minor drainage lines and confirm design
- D8. Stormwater drains min. fall 1:100, unless noted otherwise.
- D9. Advise Engineer for Inspection of all Stormwater works, pipes & pits, prior to covering. Provide as-built survey upon completion.
- D10. Construction of Drainage to conform with the requirements of the relevant Authority or Council.
- D11. Connections to new & existing drainage shall be neatly trimmed & cement rendered to a smooth finish.
- D12. All work shall be in accordance with AS3500 'National Plumbing & Drainage Code', unless noted otherwise.
- D13. The Contractor shall expose the full drainage route and point of discharge from the site and confirm levels prior to commencing

EXISTING SERVICES

- D14. The Contractor shall excavate for, locate and co-ordinate with all services within & beyond the property line prior to the commencement of the Works.
- D15. Existing services which are to remain shall be adjusted as necessary
- D16. Existing services no longer required shall be capped off and removed out of sight to the relevant authorities requirements.
- D17. Care is to be taken when excavating near existing services. Obtain services setout prior to works. Hand excavate as required to avoid

D18. Construct temporary services as required.

DRAINAGE PIPES:

D19. UPVC type pipes shall be used for pipes not greater than 300mm diameter, unless noted otherwise. UPVC pipes shall have solvent welded watertight joints.

- D20. Pipe diameter greater than 300mm shall be FRC type pipe Class '3', unless noted otherwise.
- D21. Pipe laying, bedding & backfill to be in accordance with the specification and the pipe manufacturer's requirements.
- D22. Where UPVC drainage pipes pass under slabs, sewer grade pipes shall
- D23. Contractor shall supply & install all proprietary fittings for connections & junctions.
- D24. Additional subsoil drainage may be required where site conditions & groundwater dictate. Refer to Engineer for site inspection.
- D25. Pipes to be 100ϕ unless noted otherwise.
- D26. Outlet pipes from pits shall have invert level at least 30mm lower than the invert level of the lowest pipe entering the pit.
- D27. Inspection openings or stormwater pits shall be located where shown on the drawings and at the following locations:
 - a. Each point of connection b. Even spacing not more than 30m apart. c. Each end of any inclined jump-up which exceeds 6m in length.
- d. Each connection to an existing stormwater drain. e. Any change of direction greater than 45°.
- D28. Inspection openings shall be min 150¢ and shall be plugged or capped in accordance with AS3500.

D30. Junctions in stormwater drains shall be made by means of a proprietary coupler or for pipes of at least 350♥ opening cut as

detailed on the drawings.

ORDINARY FILL

APPROVED SELECT ORDINARY FILL

HAUNCH ZONE GRAVELY SAND

PIPE BED **GRAVELY SAND**

D29. Planter boxes bases to be lined with 'Atlantis Drainage Cell' or approved equivalent wrapped in geotextile and draining to subsoil drainage pipes connected to the main stormwater system. Co-ordinate with requirements of Landscape Architect.

TYPICAL PIPE LAYING DETAIL

- D35. Drainage pit size may need to be increased over minimum to suit pipe external diameter of corresponding pipe.
- D37. All exposed pit edges shall be rounded with 20mm radius or 20 x 20
- D38. Walls of cast insitu pits shall be 200mm (min.) thick concrete, grade
- "L" bars lapping 400 each way.
- D40. Approved precast pits may be used.
- D41. Bases of drainage pits shall be grouted to prevent ponding of water, unless noted otherwise.

	LEGEND				
- - -	Denotes stormwater pipe. Denotes subsoil drain.				
<u>100</u>	Denotes pipe diameter in mm.				
1:100	Denotes existing pipe Pipe grade as a percentage (min)				
I.L.139.50	Denotes invert level.				
G.L.139.50	Denotes ground level.				
R.L.139.50	Denotes reduced level.				
— —	Denotes stormwater pit.				
— —	Denotes grated stormwater pit.				
K.I.	Denotes kerb entry & roadway pit system (900 x 600)				
	Denotes 100 wide x 100 min. depth grated drain type "ACO KS100" with Class A antislip stainless steel heelguard grates U.N.O. Grated drains in areas subject to vehicle loads to be K100 and have Class D "ACO" perforated steel grating.				
o ^{D.P}	Denotes downpipes.				
-0	Denotes downpipe with spreader				
⊜ RWO	Represents 100mm round outlet, modelTIA100/90F by speciality plumbing supplier. Cast iron RWO with galvanised heavy duty flat grate.				
⊜ BD	Represents smart drain with ø65 outlet pipe cast in slab and connected to surface drainage				
⊜ PD	Planter drain. 'Specialty Plumbing Supplies' 100mm RWO (TIA 100/90PB) with planter box insert				

—EXISTING SURFACE

- FINISHED SURFACE

TYPICAL PIPE LAYING

ADJACENT TO FOOTINGS

DRAINAGE PITS:

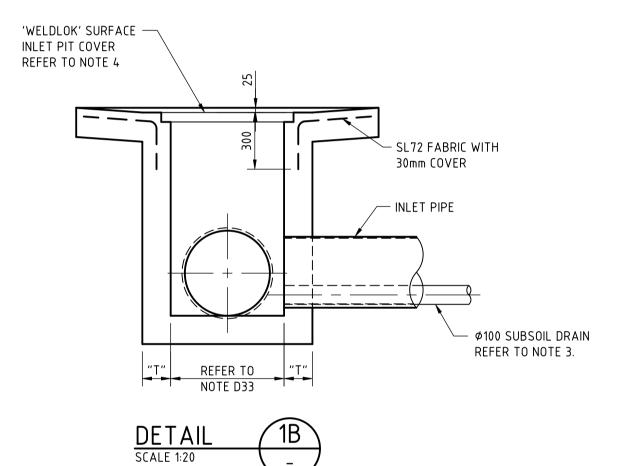
- D31. All pits and arrestors shall be constructed to the relevant authorities requirements. Provide local falls to pits.
- D32. Minimum cover to all reinforcement in concrete to be 40mm.
- D33. Minimum Drainage pit size shall be as follows:

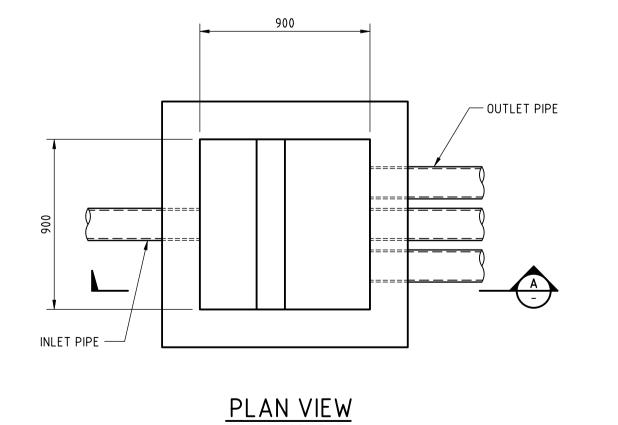
	Minimum Internal Dimensions (mm)				
Depth to Invert (mm)	Recta	ngular	Circular		
<i>(,</i>	Width	Length	Diameter		
≪600	450	450	600		
>600 ≤ 900	600	600	900		
>900 ≤1200	600	900	1000		
>1200	900	900	1000		

- D34. All pits to have galvanised hinged lockable gratings equivalent to "Grate Drainage Products Pty Ltd" heelguard type. Use Class B in general areas and Class D in areas subject to
- size. Pit internal dimensions shall be of least 300mm greater than
- D36. Pits deeper than 1000mm are to be fitted with step irons at 300mm centres. Contact Engineer for typical detail.
- N32, unless noted otherwise.
- D39. Pits shall be reinforced with SL81 fabric, central in walls & base slab U.N.O. Mesh to be lapped 400mm. Lap mesh at corners or use N12-200

SAG INLET PIT NOTES:

- COMPRESSIVE STRENGTH OF CONCRETE TO BE A MINIMUM OF 20MPa AT 28 DAYS.
- 2. TOP OF BENCHING SHALL BE 1/2 OF OUTLET PIPE DIAMETER.
- Ø100 SUBSOIL DRAINAGE PIPE 3m LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED AT INVERT LEVEL EITHER SIDE OF INLET
- 4. PIT GRATE TO BE 'WELDLOK' OR APPROVED EQUIVALENT.
- 5. PROVIDE STEP IRONS WHERE PIT IS DEEPER THAN 1200





— SL72 FABRIC

WITH 30mm

- MASS CONCRETE

– Ø100 SUBSOIL DRAIN

REFER TO NOTE 3

CHANNELLING

COVER

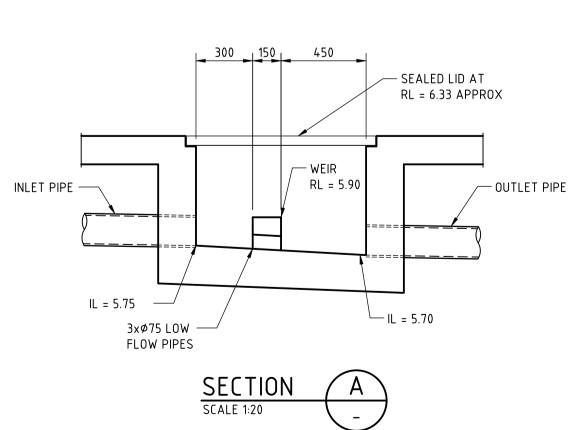
350 150 REFER TO 150 350

NOTE D33

GRATED PIT PLAN

NOTE D33

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FLOW EQUALISATION PIT

CLIENT:

P4	14.09.21	TITLE ON DRAWING SW01 CHANGED	DAW	
Р3	11.12.20	DRAWING REMOVED	DAW	This drawing MUST be read in conjunction with
P2	21.04.20	PIT DETAIL ADDED	RAL	ALL other drawings for this project including
P1	17.09.19	ISSUED FOR DEVELOPMENT APPLICATION	RAL	but not limited to all construction notes.
EV.No	DATE	REVISION	BY	

- COVER UNDER ROADS AND CAR PARKING 300mm ELSEWHERE

FOR DEVELOPMENT	
APPLICATION	

CRAWFORD ARCHITECTS	PROJ	ECT:	Proposed Development 351 Barrenjoey Road NEWPORT
DEVELOPMENT LINK	TITLE		STORMWATER NOTES & DRAWING SCHEDULE
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DRAWING SCHEDULE

SW00 STORMWATER NOTES & DRAWING SCHEDULE SW01 BASEMENT LEVEL 1 DRAINAGE CONCEPT PLAN

SW02 GROUND FLOOR DRAINAGE CONCEPT PLAN

SW03 SEDIMENT CONTROL PLAN

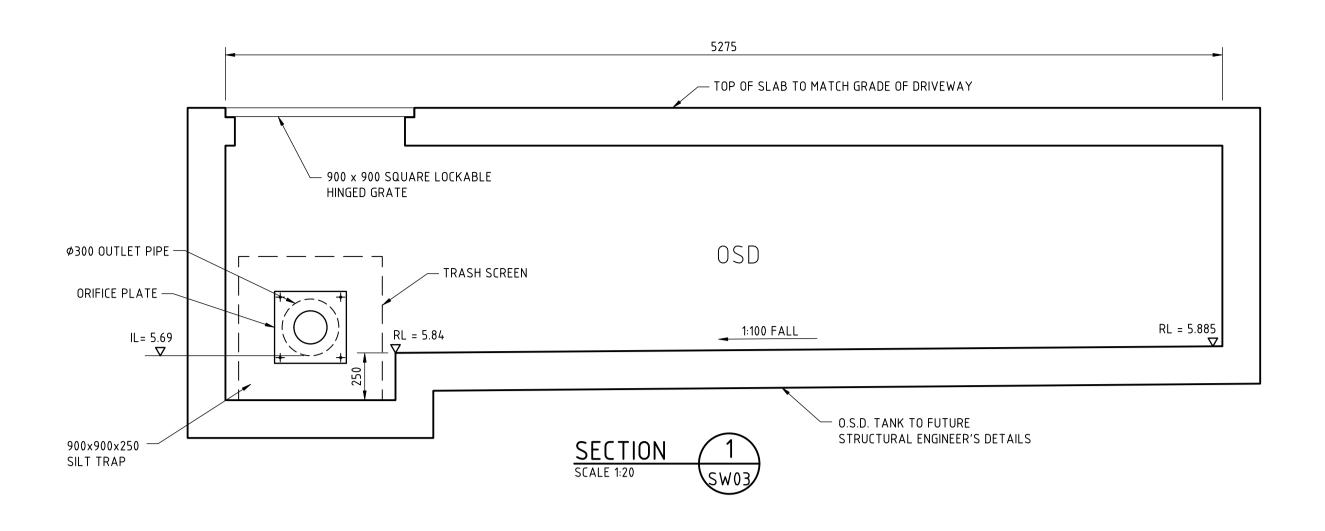
SW04 SEDIMENT AND EROSION CONTROL DETAILS

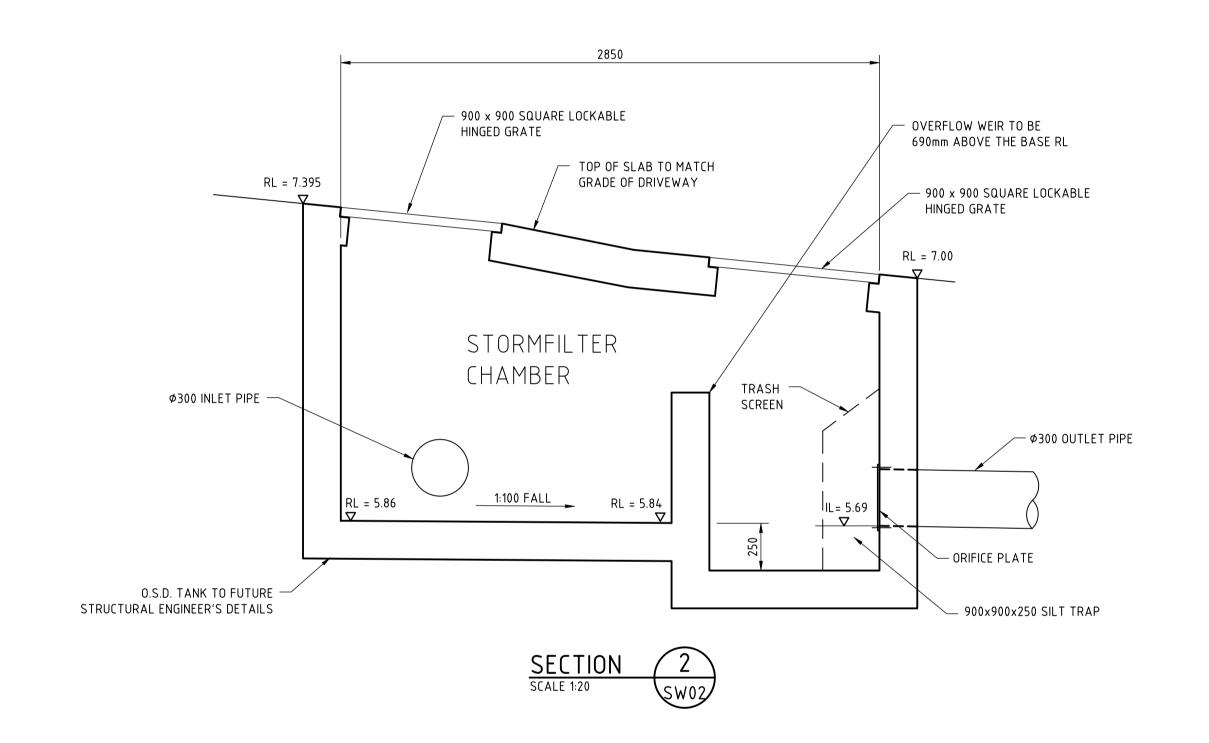


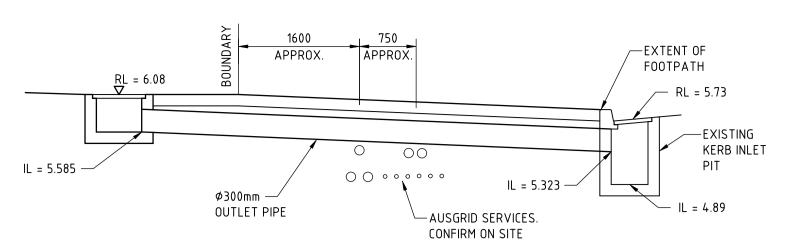












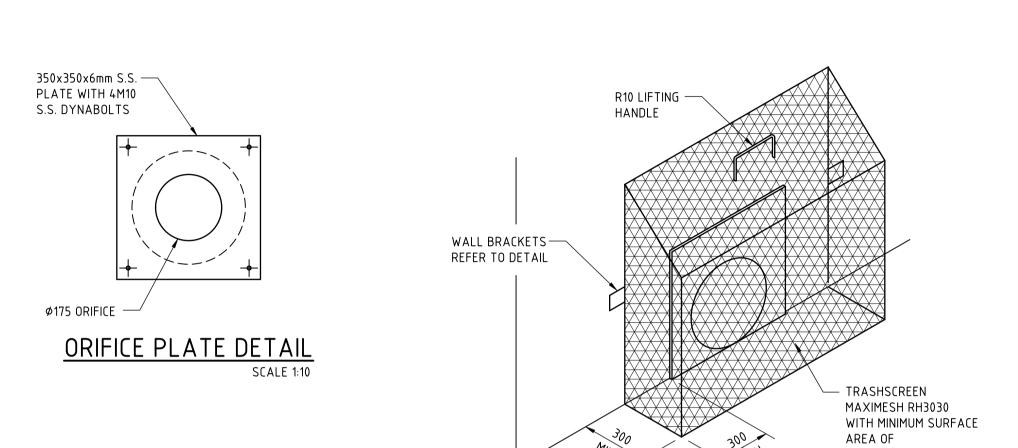


OUTLET PIPE - LONGITUDINAL SECTION

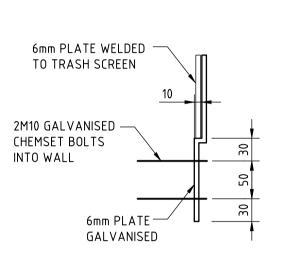
ECTION 3

ALE 1:50

SW02



TYPICAL TRASH SCREEN
SCALE 1:20



TRASH SCREEN
WALL BRACKET DETAIL



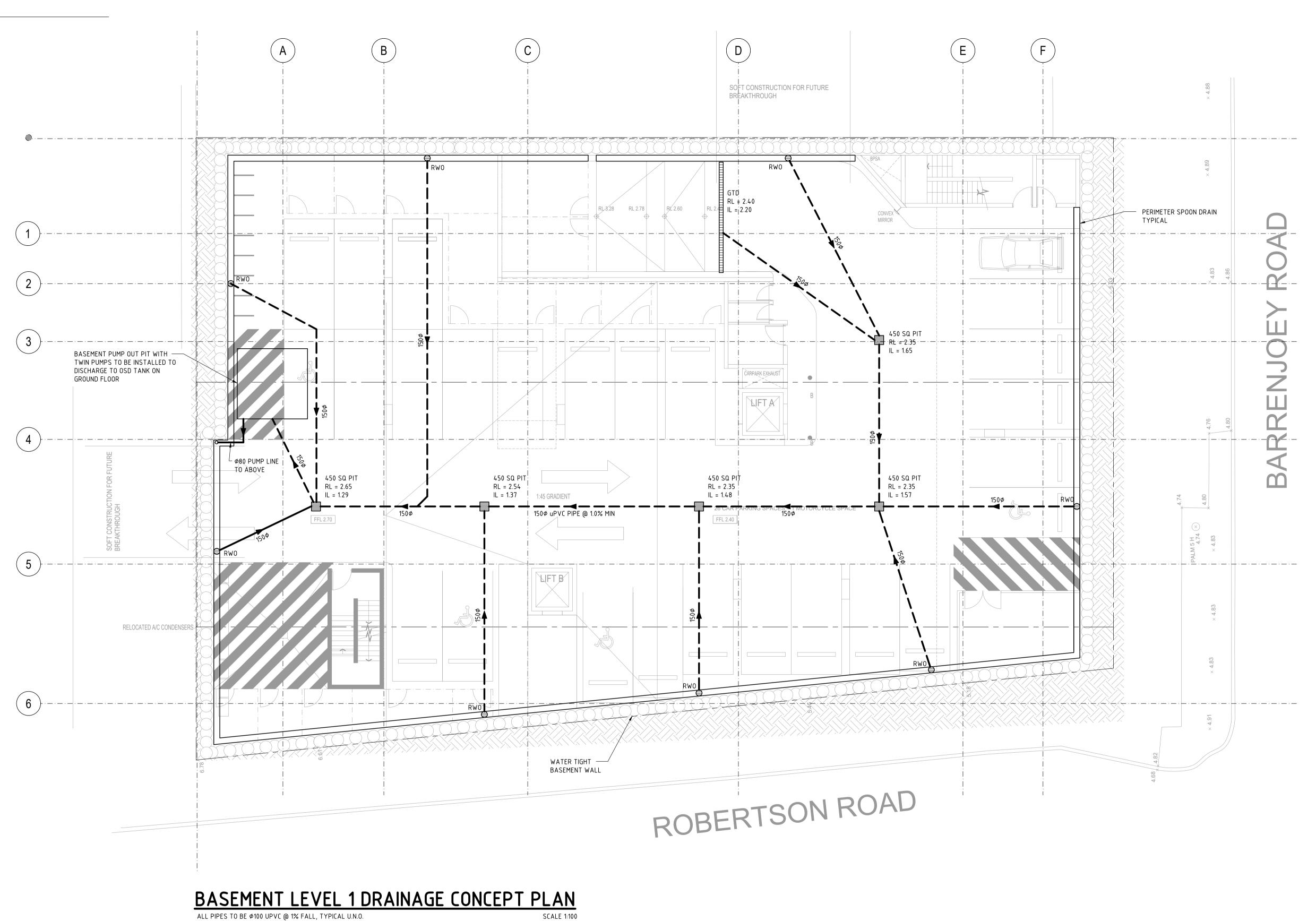
P4	15.09.21	NUMBER CHANGED	RAL
P2	11.12.20	ARCH LAYOUT UPDATED (DRAWING WAS SW05)	DAW
P1	17.09.19	ISSUED FOR DEVELOPMENT APPLICATION	RAL
REV.No	DATE	REVISION	BY

This drawing MUST be read in conjunction with ALL other drawings for this project including but not limited to all construction notes.

FOR DEVELOPMENT

APPLICATION

ARCHITECT:	CRAWFORD ARCHITECTS	PROJECT:	Proposed Development 351 Barrenjoey Road NEWPORT	219120	DESIGNED: DW DRAWN: RAL
CLIENT:			- Cor Barrengeey Reda NEVVI CIRT	217120	CHECKED: DW
CLILIVI.	DEVELOPMENT LINK	TITLE:	STORMWATER SECTIONS & DETAILS	SW03 P4	SEP2020
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ALL PIPES TO BE \$100 OPVC (@ 1% FALL, ITPICAL U.N.)

SCALE 1:100

DENOTES SUBSOIL DRAIN

__ 100♥ __ DENOTES PIPE DIAMETER IN MM

DENOTES RAINWATER OUTLET



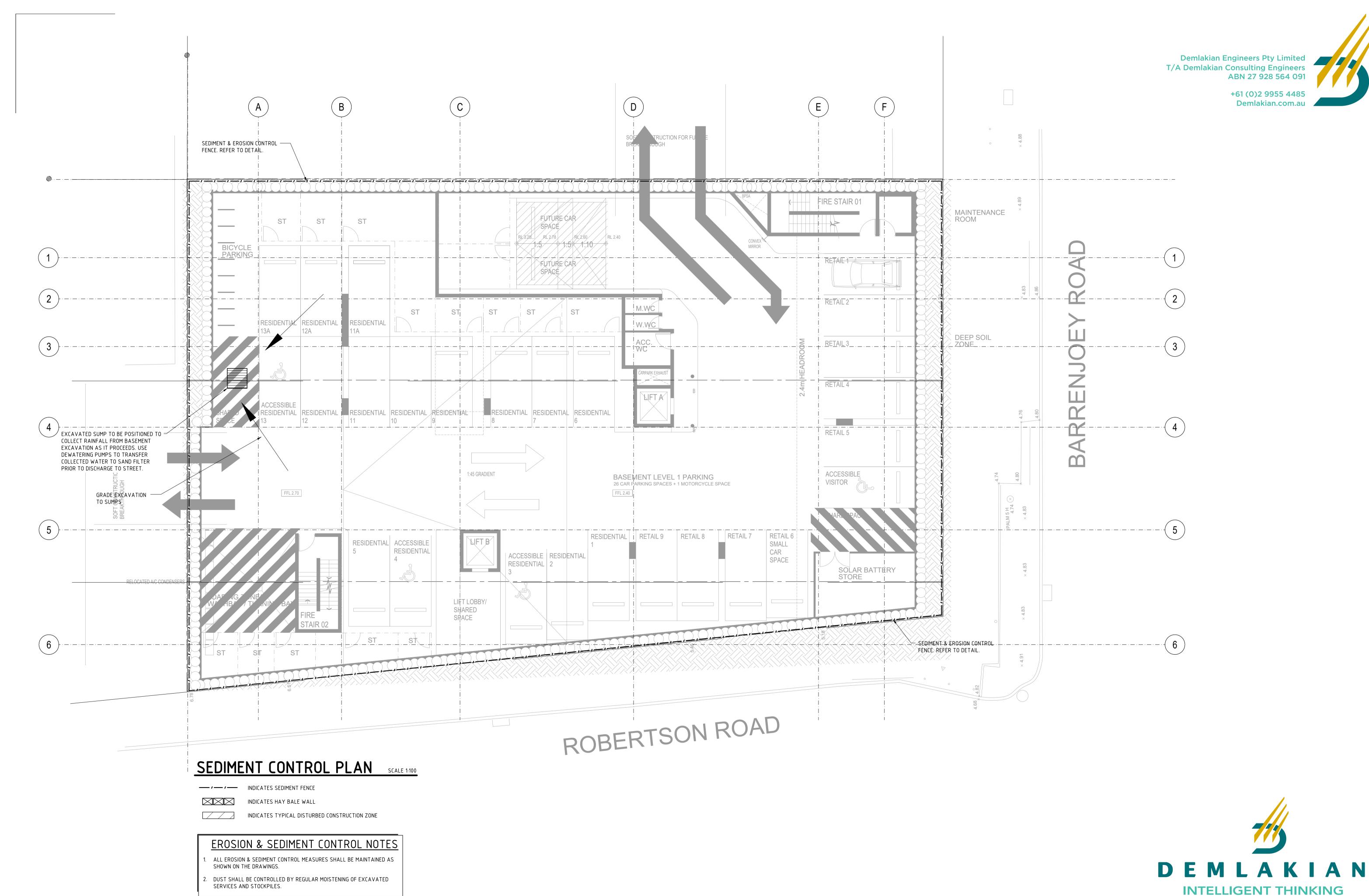
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	P6 14.09.21 ARCH & STORMWATER LAYOUT UPDATED, DRAWING TITLE CHANGE		DAW	
	P5 11.12.20		ARCH LAYOUT UPDATED	DAW
	P4 20.04.20		STORMWATER LAYOUT REVISED	
	P3	P3 02.03.20 ARCH LAYOUT UPDATED		RAL
	REV.No	DATE	REVISION	BY

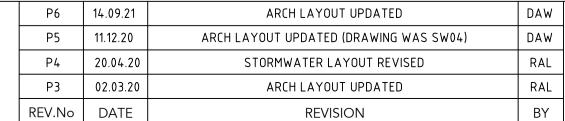
This drawing MUST be read in conjunction with ALL other drawings for this project including but not limited to all construction notes.

FOR	DEVELOPMENT
A	PPLICATION

	ARCHITECT:	CRAWFORD ARCHITECTS	PROJECT:	Proposed Development 351 Barrenjoey Road NEWPORT
	CLIENT:	DEVELOPMENT LINK	TITLE:	BASEMENT LEVEL 1 DRAINAGE CONCEPT PLAN
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This drawing MUST be read in conjunction with ALL other drawings for this project including but not limited to all construction notes.

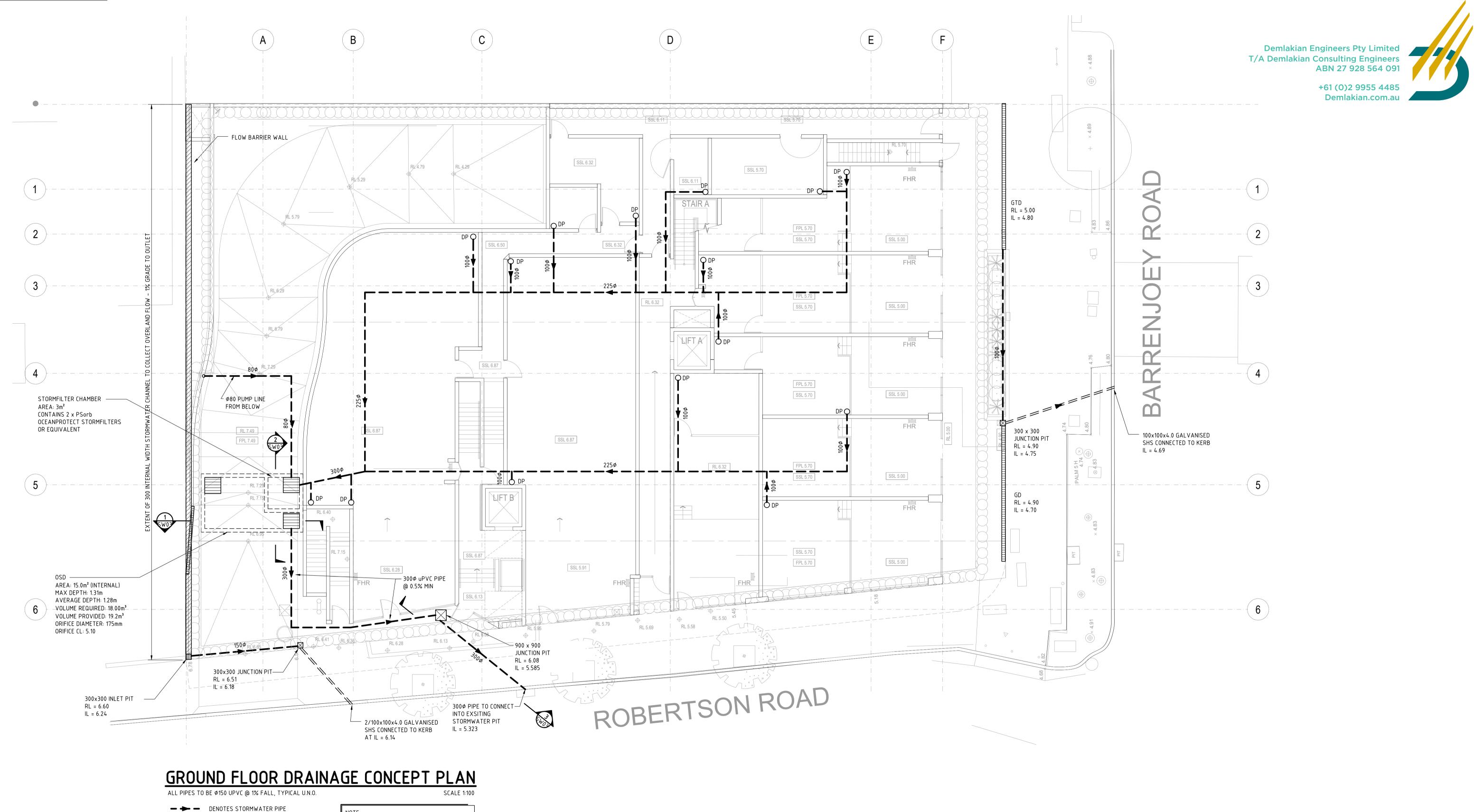
FOR DEVELOPMENT APPLICATION

ARCHITECT:	CRAWFORD ARCHITECTS	PROJECT:	Proposed Development 351 Barrenjoey Road NEWPORT
CLIENT:	DEVELOPMENT LINK	TITLE:	SEDIMENT CONTROL PLAN

d Development enjoey Road NEWPORT

219120

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→ → DENOTES STORMWATER PIPE

DENOTES SUBSOIL DRAIN

__ 100♥ __ DENOTES PIPE DIAMETER IN MM

NOTE:
ROOF DRAINAGE TO BE DESIGNED AS PART OF
FUTURE CONSTRUCTION CERTIFICATE STAGE

D	E	M	L	A	K		A	N	
	IN	ΓELL	IGE	NT	THI	١K	ING		



P7	14.09.21	ARCH & STORMWATER LAYOUT UPDATED	DAW
P6	11.12.20	ARCH LAYOUT UPDATED	DAW
P5	20.04.20	STORMWATER LAYOUT REVISED	RAL
P4	06.03.20	LEVEL AMENDED	RAL
REV.No	DATE	REVISION	BY

This drawing MUST be read in conjunction with
ALL other drawings for this project including
but not limited to all construction notes.

FO	R DEVELOPMENT
	<u>APPLICATION</u>

ARCHITECT:	CRAWFORD ARCHITECTS	PROJECT:	Proposed Development 351 Barrenjoey Road NEWPORT	21912
CLIENT:	DEVELOPMENT LINK	TITLE:	GROUND FLOOR DRAINAGE CONCEPT PLAN	SW02 P

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