

31 MARINE PARADE, AVALON BEACH

STORMWATER MANAGEMENT PLAN

DRAWING NUMBER	DRAWING TITLE
DR-000	LEGEND
DR-001	PIPE LAYOUT & DETAILS
DR-002	ROOF LAYOUT AND RAINWATER TANK DETAILS
DR-003	DETAILS

NOTES:

1. ALL DIMENSIONS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.

2. SITE LAYOUT BASED ON ARCHITECTURAL PLANS BY RAMA ARCHITECTS (MAY 2021).

3. LOCATION OF ALL SERVICES MUST BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT OF EXCAVATION WORKS.

4. ALL STORMWATER DRAINAGE PIPES AND ASSOCIATED DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE RELEVANT STANDARDS, THE BUILDING CODE OF AUSTRALIA, MANUFACTURER’S RECOMMENDATIONS, SYDNEY CATCHMENT AUTHORITY RECOMMENDED PRACTICE, AND LOCAL COUNCIL, AS APPLICABLE.

5. ALL INVERT LEVELS PROVIDED ON THIS DRAWING ARE REDUCED TO AHD AND BASED ON INTERPOLATED SURFACE LEVELS AND SYSTEM REQUIREMENTS.
6. WHERE POSSIBLE, PIPEWORK SHALL BE LOCATED EXTERNAL TO THE BUILDING.

7. DOWNPIPES AND STORMWATER LINES TO BE SEALED DN100 uPVC UNLESS OTHERWISE NOTED.

8. STORMWATER PIPES TO BE GRADED AT A MINIMUM 1% UNLESS NOTED OTHERWISE.

9. ALTERNATIVE GUTTER AND DOWNPIPE CONFIGURATION MAY BE INSTALLED PROVIDED IT COMPLIES WITH AS3500.

10. ALL PIPE AND CONDUITS TO BE MARKED IN ACCORDANCE WITH AS1345 – 1995.

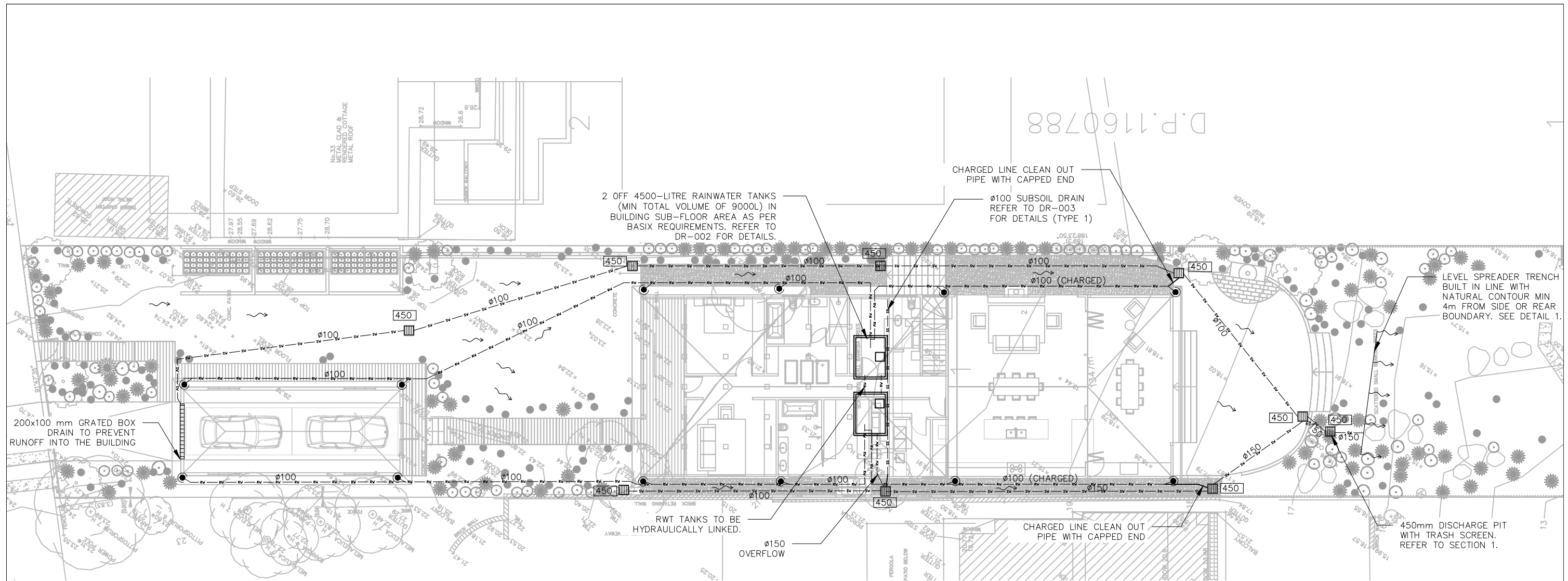
11. TRENCHES AND SERVICE SEPARATIONS IN ACCORDANCE WITH AS/NZS 5601, AS/NZS 3500, AND AS/CA S009.

LEGEND:

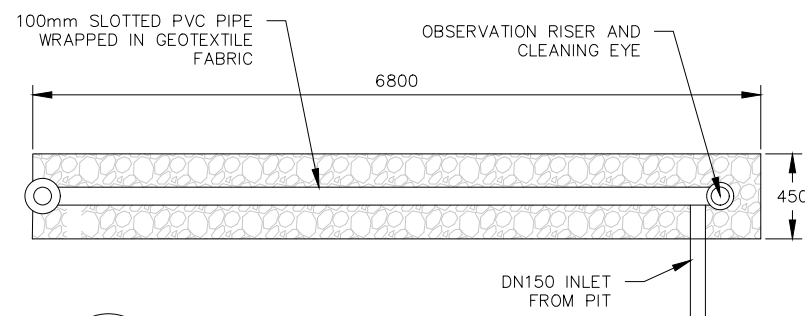
- DOWNPIPE
- STORMWATER PIPE
- RAINWATER PIPE
- 450

DRAINAGE PIT/SIZE
- 10

INSPECTION OPENING



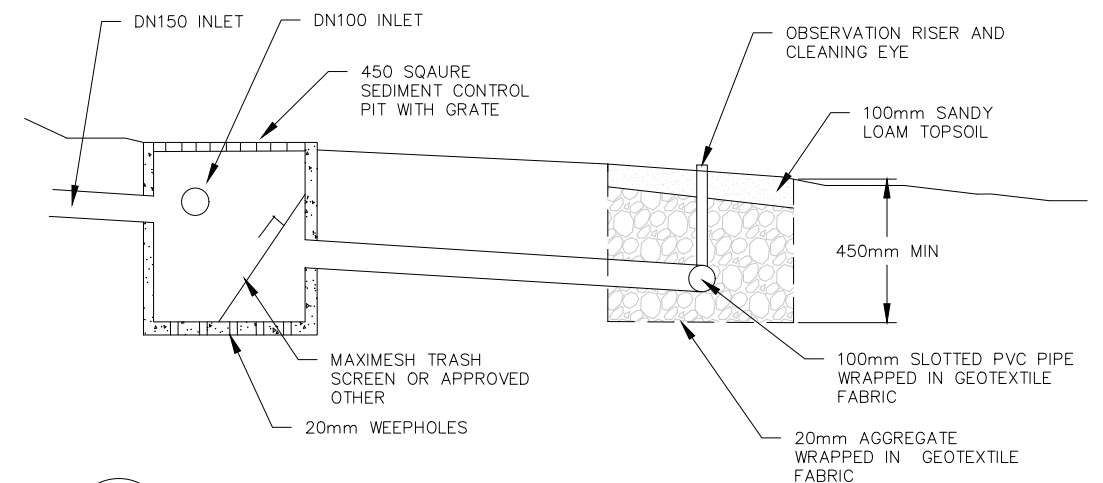
PLAN
1
PIPE LAYOUT
1: 200




DETAIL
1
LEVEL SPREADER PLAN VIEW
NOT TO SCALE

NOTES:

1. THE BASE OF THE BED MUST BE LEVEL TO ENSURE EVEN DISTRIBUTION OF STORMWATER. IT MUST ALSO BE SCARIFIED TO OVERCOME ANY SMEARING DURING EXCAVATION. BASE LEVELS SHOULD BE CHECKED WITH A DUMPY / LASER LEVEL.
2. ABSORPTION/DISPERSION TRENCH TO BE CONSTRUCTED PARALLEL TO THE NATURAL CONTOURS.



SECTION
1
LEVEL SPREADER CROSS-SECTION
NOT TO SCALE

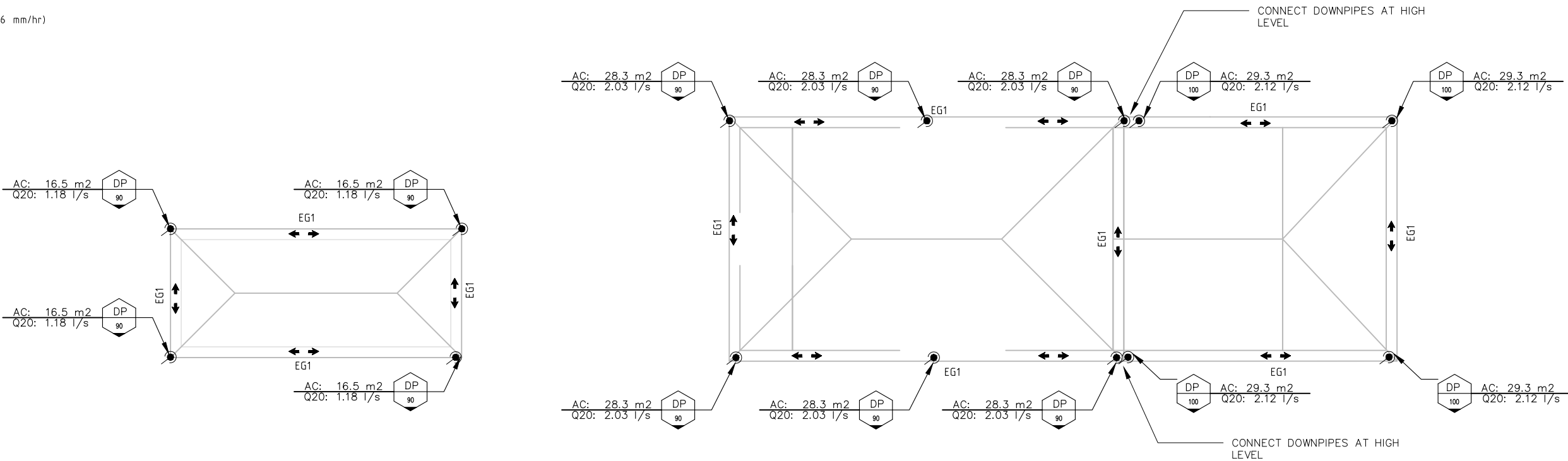
This drawing is confidential and shall only be used for the purposes of this project.					Scale		THE SIGNING OF THIS TITLE BLOCK CONFIRMS THE DESIGN AND DRAFTING OF THIS PROJECT HAVE BEEN PREPARED AND CHECKED IN ACCORDANCE WITH THE STELLEN QUALITY ASSURANCE SYSTEM				<div> Stellen</div> <div>Stellen Consulting ABN 61 149 095 189</div>	This design complies with: AS3500.3:2018		31 MARINE PARADE, AVALON BEACH			
					1:200							PIPE LAYOUT AND DETAILS					
					DO NOT SCALE. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED												
REVISIONS	3	AAB	08/06/2021	DA SUBMISSION	LES												
	2	AAB	04/06/2021	DA SUBMISSION	LES												
	1	FRM	18/12/2020	SW PIT + BACKGROUND CHANGED	LES												
	0	AAB	27/11/2020	DA SUBMISSION	LES												
No.	BY	DATE	DESCRIPTION		APPD												

NOMENCLATURE
DP - DOWNPIPE
EG - EAVES GUTTER
Q20 - 20YR 5 MINUTE ARI FLOW RATE

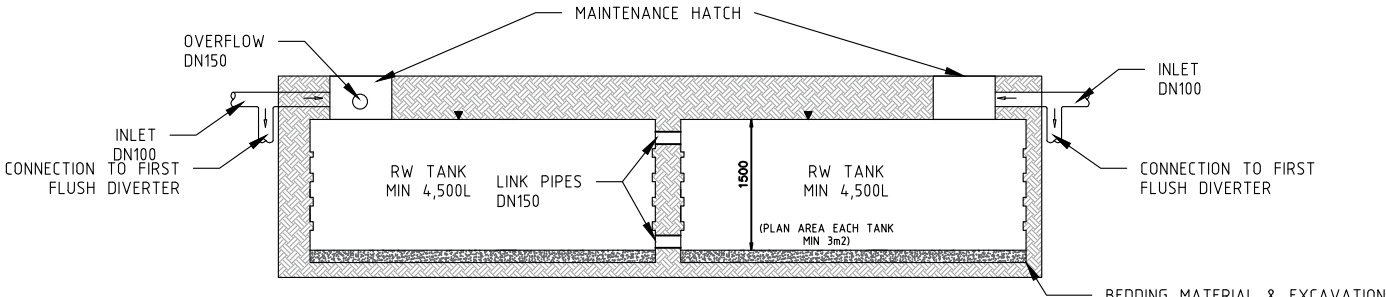
GUTTER SIZING
EAVES GUTTER DESIGNED TO ARI (20YR:206 mm/hr)
EG1 - MIN CSA 9100 mm²

LEGEND

DOWNPIPE TYPE AND DIAMETER
DIRECTION OF FALL



PLAN 2
ROOF LAYOUT
1:200



DETAIL 2
TYPICAL RAINWATER TANK SECTION
NOT TO SCALE

NOTES:

- PIPES TO THE RW TANK MUST BE WATER TIGHT TO PREVENT LEAKAGE THAT RESULTS IN SATURATION OF SOILS AND DAMAGE TO
- RW TANK TO BE 2 No "DURAPLAS MIN 4,500 LITRE LATTICE TANK", APPROVED EQUIVALENT OTHER CAN ALSO BE USED.
- THE RAINWATER TANK TO COLLECT RAIN RUNOFF FROM AT LEAST 285 SQUARE METRES OF THE ROOF AREA
- RAINWATER TANK TO BE CONNECTED TO ONE OUTDOOR TAP.

This drawing is confidential and shall only be used for the purposes of this project.

Scale

AS NOTED

DO NOT SCALE. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED

THE SIGNING OF THIS TITLE BLOCK CONFIRMS THE DESIGN AND DRAFTING OF THIS PROJECT HAVE BEEN PREPARED AND CHECKED IN ACCORDANCE WITH THE STELLEN QUALITY ASSURANCE SYSTEM

DESIGNED	AAB	CHECKED	MAI
DRAWN	AAB	CHECKED	MAI
APPROVED	LES	DATE	27/11/2020



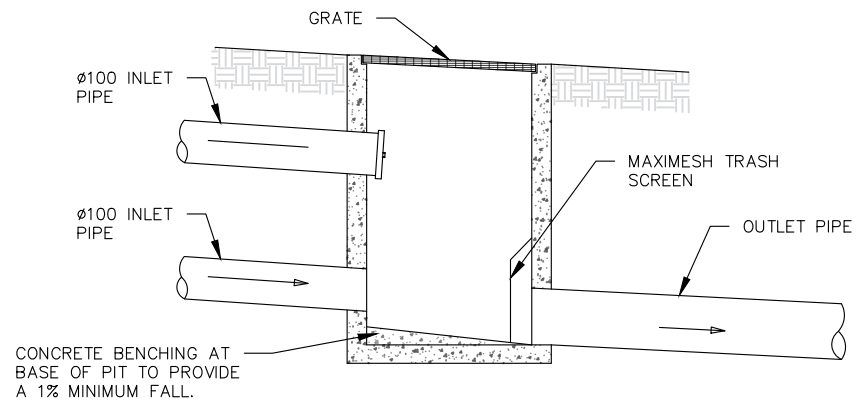
Stellen Consulting ABN 61 149 095 189

This design complies with:
AS3500.3:2018

31 MARINE PARADE, AVALON BEACH

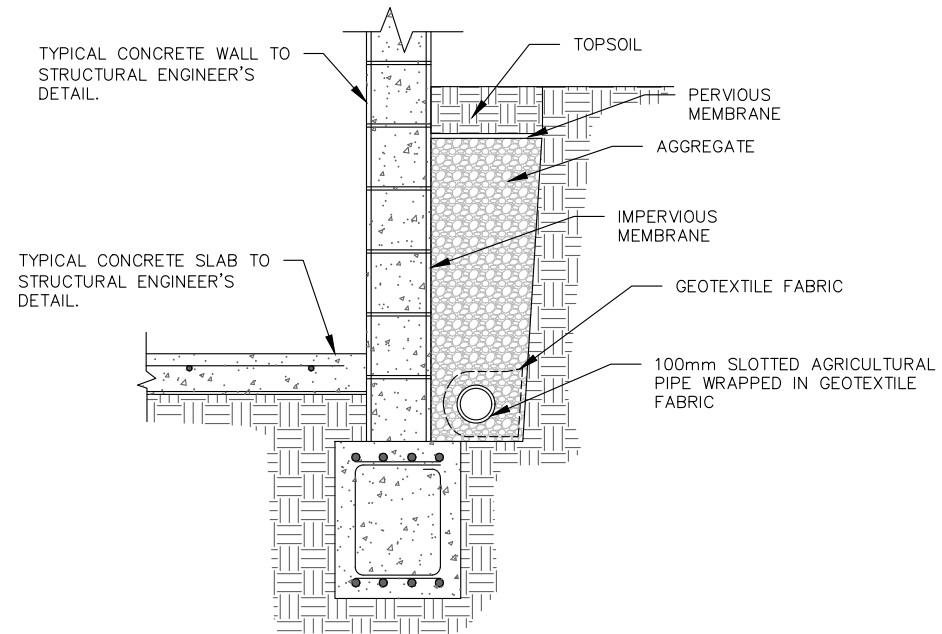
ROOF LAYOUT & RAINWATER TANK DETAILS

Size	A3	Status	DA SUBMISSION	Dwg No.	DR-002	Rev.	2
------	----	--------	---------------	---------	--------	------	---




DETAIL 3 DRAINAGE PIT (TYPICAL)
NOT TO SCALE

- NOTES:
1. 'LYSAGHT' MAXIMESH RH3030 (HOT DIPPED GALVANISED) OR EQUIVALENT.
 2. MAXI MESH SCREENS MUST BE PLACED SUCH THAT THE LONG AXIS OF THE OVAL SHAPED HOLES ARE ORIENTATED HORIZONTALLY WITH THE PROTRUDING LIP ANGLED UPWARDS AND FACING TOWARDS THE OUTLET.



DETAIL 4 SUBSOIL DRAIN (TYPE 1)
NOT TO SCALE

This drawing is confidential and shall only be used for the purposes of this project.					Scale	<div>AS NOTED</div> <div>DO NOT SCALE. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED</div>				<div>THE SIGNING OF THIS TITLE BLOCK CONFIRMS THE DESIGN AND DRAFTING OF THIS PROJECT HAVE BEEN PREPARED AND CHECKED IN ACCORDANCE WITH THE STELLEN QUALITY ASSURANCE SYSTEM</div> <table><tr><td>DESIGNED</td><td>AAB</td><td>CHECKED</td><td>MAI</td></tr><tr><td>DRAWN</td><td>AAB</td><td>CHECKED</td><td>MAI</td></tr><tr><td>APPROVED</td><td>LES</td><td>DATE</td><td>08/06/2021</td></tr></table>				DESIGNED	AAB	CHECKED	MAI	DRAWN	AAB	CHECKED	MAI	APPROVED	LES	DATE	08/06/2021	<div> Stellen</div> <div>Stellen Consulting ABN 61 14 9 095 189</div>		This design complies with: AS3500.3:2018		31 MARINE PARADE, AVALON BEACH			
DESIGNED	AAB	CHECKED	MAI																														
DRAWN	AAB	CHECKED	MAI																														
APPROVED	LES	DATE	08/06/2021																														
DETAILS																																	
REVISIONS																																	
	0	AAB	08/06/2021	DA SUBMISSION		LES																											
	No.	BY	DATE	DESCRIPTION		APPD																											