

66 BOWER STREET, MANLY





STORMWATER MANAGEMENT PLAN


<u>DRAWING NUMBER</u>	<u>DRAWING TITLE</u>
DR-000	LEGEND
DR-001	PIPE LAYOUTS
DR-002	DETAILS

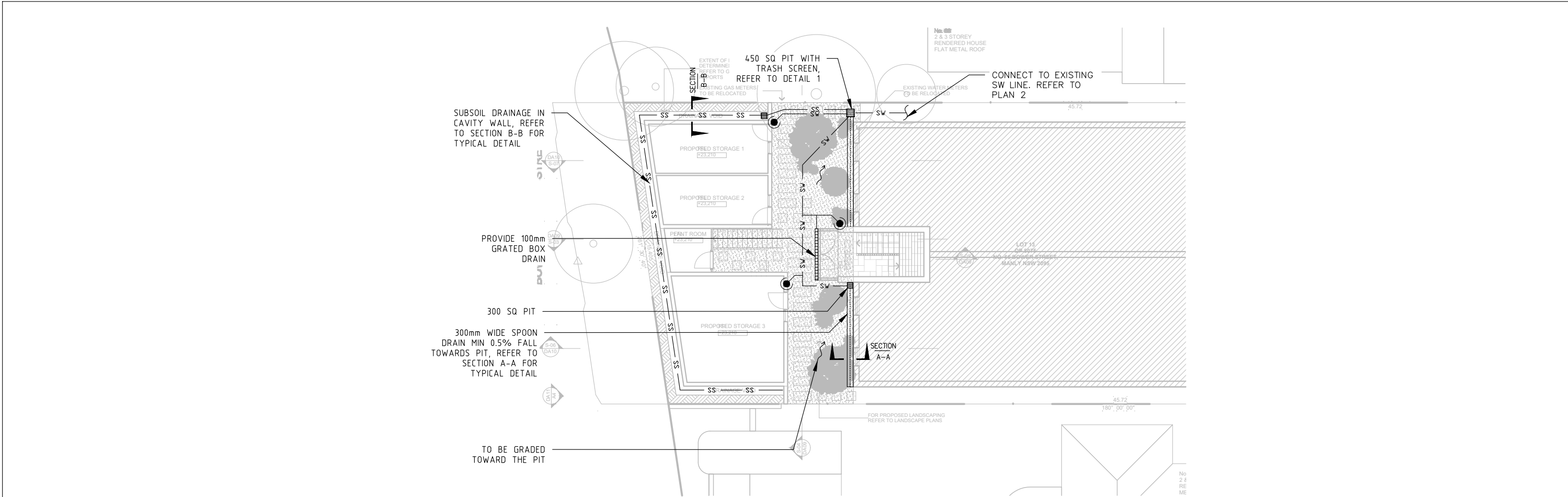
NOTES:

1. ALL DIMENSIONS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.
2. SITE LAYOUT BASED ON ARCHITECTURAL PLANS BY WATERSHED DESIGN (16.12.2019).
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.

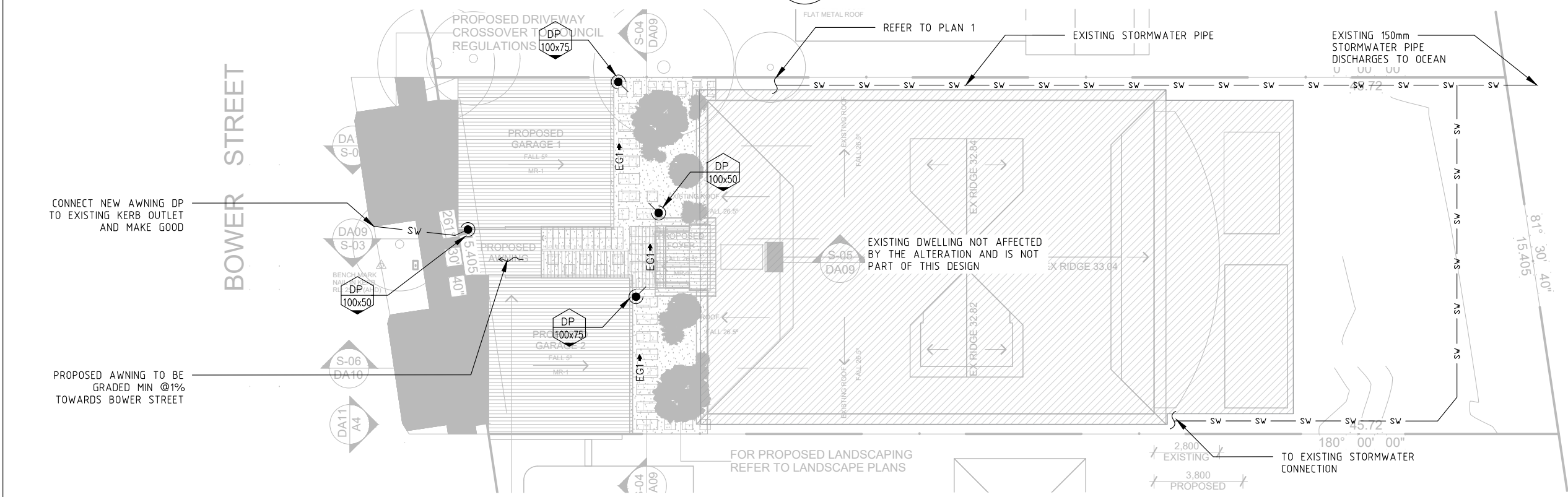
LEGEND:

- | | |
|---|-----------------|
|  | DOWNPIPE |
|  | STORMWATER PIPE |
|  | SUBSOIL DRAIN |
|  | DRAINAGE PIT |

This drawing is confidential and shall only be used for the purposes of this project.					
REVISIONS					
0	SSD	16.12.2019	FOR DA SUBMISSION	LES	
No.	BY	DATE	DESCRIPTION	APPD	
Scale NA DO NOT SCALE. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED					
THE SIGNING OF THIS TITLE BLOCK CONFIRMS THE DESIGN AND FOR DA SUBMITTING OF THIS PROJECT HAVE BEEN PREPARED AND CHECKED IN ACCORDANCE WITH THE STELLEN QUALITY ASSURANCE SYSTEM					
DESIGNED	SSD	CHECKED	LES		
DRAWN	SSD	CHECKED	LES		
APPROVED	LES	DATE	16.12.2019		
 Stellen Consulting ABN 61 149 095 189					
This design complies with: AS3500.3:2018					
66 BOWER STREET, MANLY					
LEGEND					
Size	A3	Status	FOR DA SUBMISSION	Dwg No.	DR-000
				Rev.	0




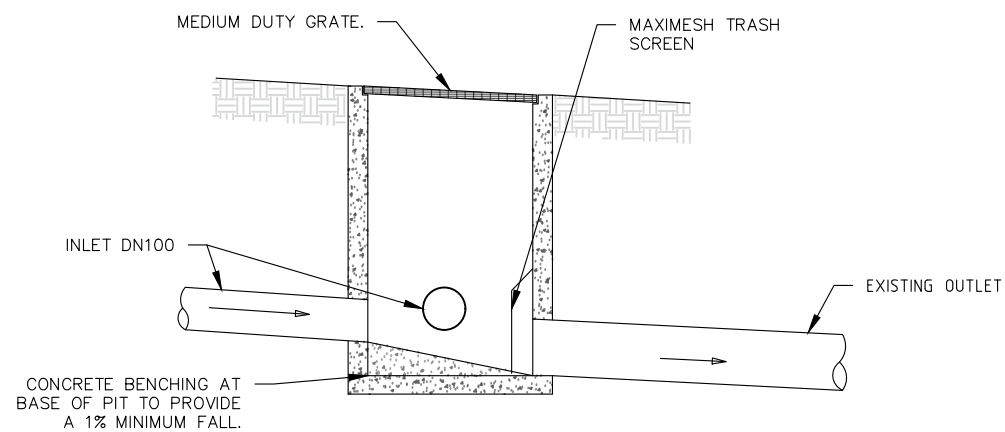
PLAN 1
PIPE LAYOUT-LOWER GROUND FLOOR
1:200



PLAN 2
PIPE LAYOUT-SITE & ROOF PLAN
1:200

- NOMENCLATURE**
- DP - DOWNPIPE
 - EG - EAVES GUTTER
 - Ac - PLAN CATCHMENT AREA EXCLUDING ROOF
 - PITCH
 - Q20 - 20YR 5 MINUTE ARI FLOW RATE
- GUTTER SIZING**
- EAVE GUTTER DESIGNED TO ARI (20YR:209mm/hr)
 - EG1 - MIN CSA 8,700 mm²
- LEGEND**
- TYPE DIA DOWNPIPE TYPE AND DIAMETER
 - DIRECTION OF FALL

REVISIONS	This drawing is confidential and shall only be used for the purposes of this project.				Scale 1:200 DO NOT SCALE. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED	THE SIGNING OF THIS TITLE BLOCK CONFIRMS THE DESIGN AND FOR DA SUBMISSION OF THIS PROJECT HAVE BEEN PREPARED AND CHECKED IN ACCORDANCE WITH THE STELLEN QUALITY ASSURANCE SYSTEM				 Stellen Consulting ABN 61 149 095 189	This design complies with: AS3500.3:2018	66 BOWER STREET, MANLY			
												PIPE LAYOUTS			
A	SSD	16.12.2019	FOR DA SUBMISSION		LES							Size A3	Status FOR DA SUBMISSION	Drw No. DR-001	Rev. 0
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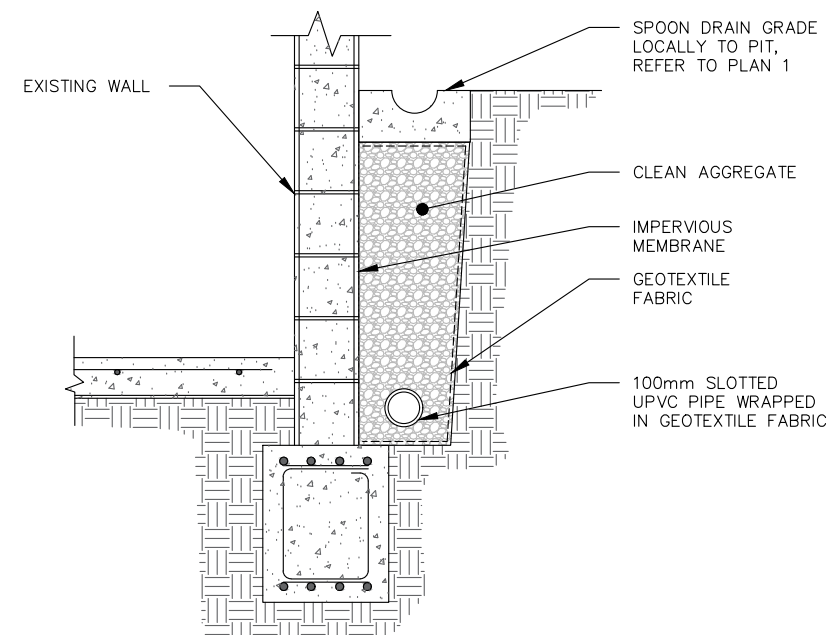


DETAIL
1

450 SQUARE MEDIUM DUTY PIT NOT TO SCALE

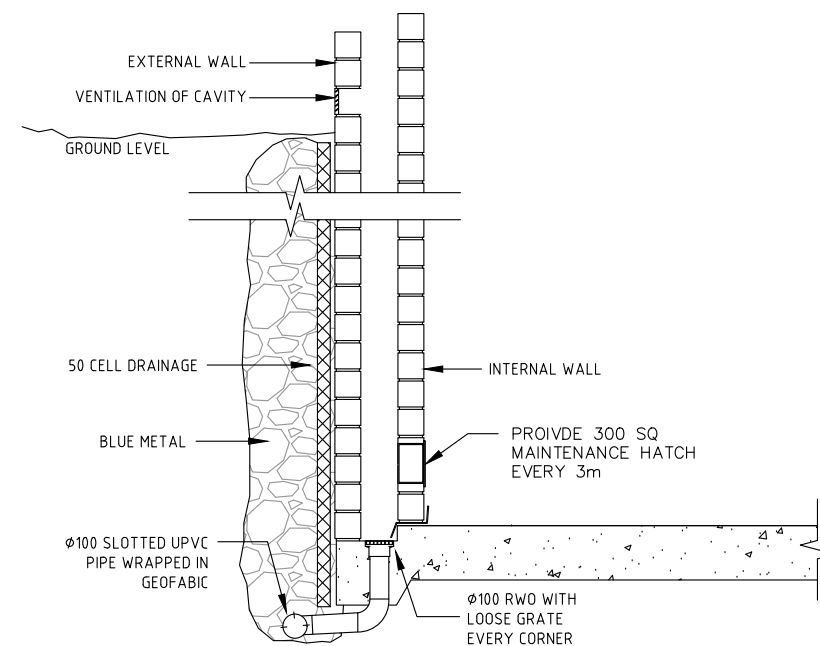
NOTES:

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.




SECTION
A-A

TYPICAL SUBSOIL DRAINAGE— GROUND LEVEL BENEATH INTERNAL WALL NA



DETAIL
B-B

TYPICAL SUB SOIL CAVITY WALL DRAINAGE NA

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REVISIONS					AS NOTED				DETAILS						
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0	SSD	16.12.2019	FOR DA SUBMISSION		LES					Stellen Consulting ABN 61 149 095 189	Size A3	Status FOR DA SUBMISSION	Drwg No. DR-002	Rev. 0	
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