67 WOOLGOOLGA STREET, NORTH BALGOWLAH STORMWATER MANAGEMENT PLAN

DRAWING INDEX:

DR-000 LEGEND

DR-001 PIPE LAYOUT -LOWER GROUND FLOOR

DR-002 PIPE LAYOUT - GROUND FLOOR

DR-003 PIPE LAYOUT - FIRST FLOOR

DR-004 PIPE LAYOUT - ROOF

DR-005 DETAILS

DR-006 SITE AREAS

LEGEND:



DOWNPIPE



STORMWATER PIPE



DRAINAGE PIT

NOTES:

- ALL DIMENSIONS TO BE CONFIRMED ON SITE PRIOR TO

 CONSTRUCTION
- 2. SITE LAYOUT BASED ON ARCHITECTURAL PLANS BY RAMA ARCHITECTS (JUNE 2023) AND SURVEY PLANS BY TSS TOTAL SURVEYING SOLUTIONS (MARCH 2023).
- 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.

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REVISIONS	2	FRM	6/6/2023	RFI RESPONSE	LES
2	1	NTM	17/03/2023	FOR DA SUBMISSION	FRM
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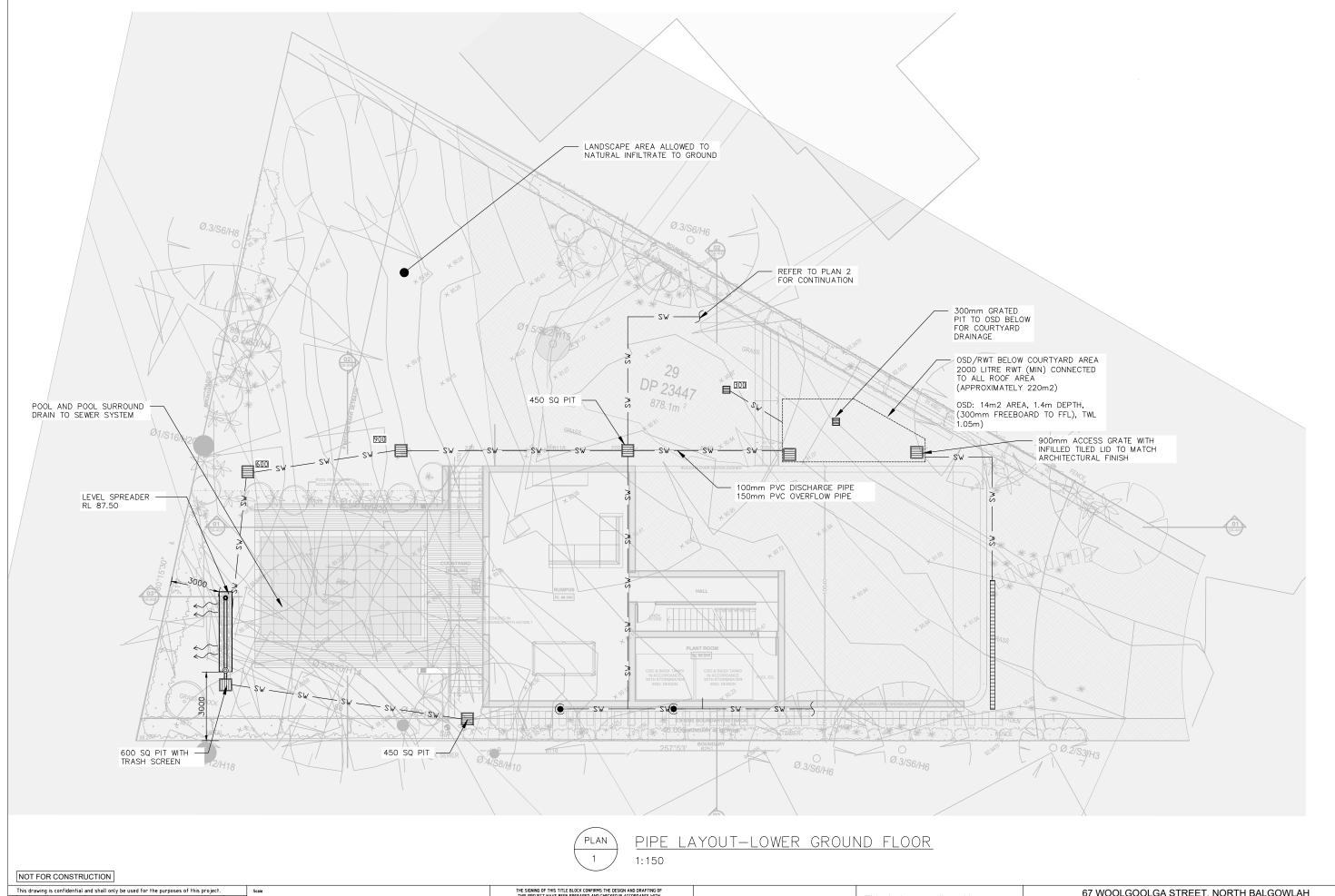
THE STELLEN QUALITY ASSURANCE SYSTEM			
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This design complies with: AS3500.3:2021

		67 WOOLGOOLGA STREET, NO	RTH BALGOWLAH	
		LEGEND		
Size A3	Status	FOR DA SUBMISSION	DR-000	Rev. 2



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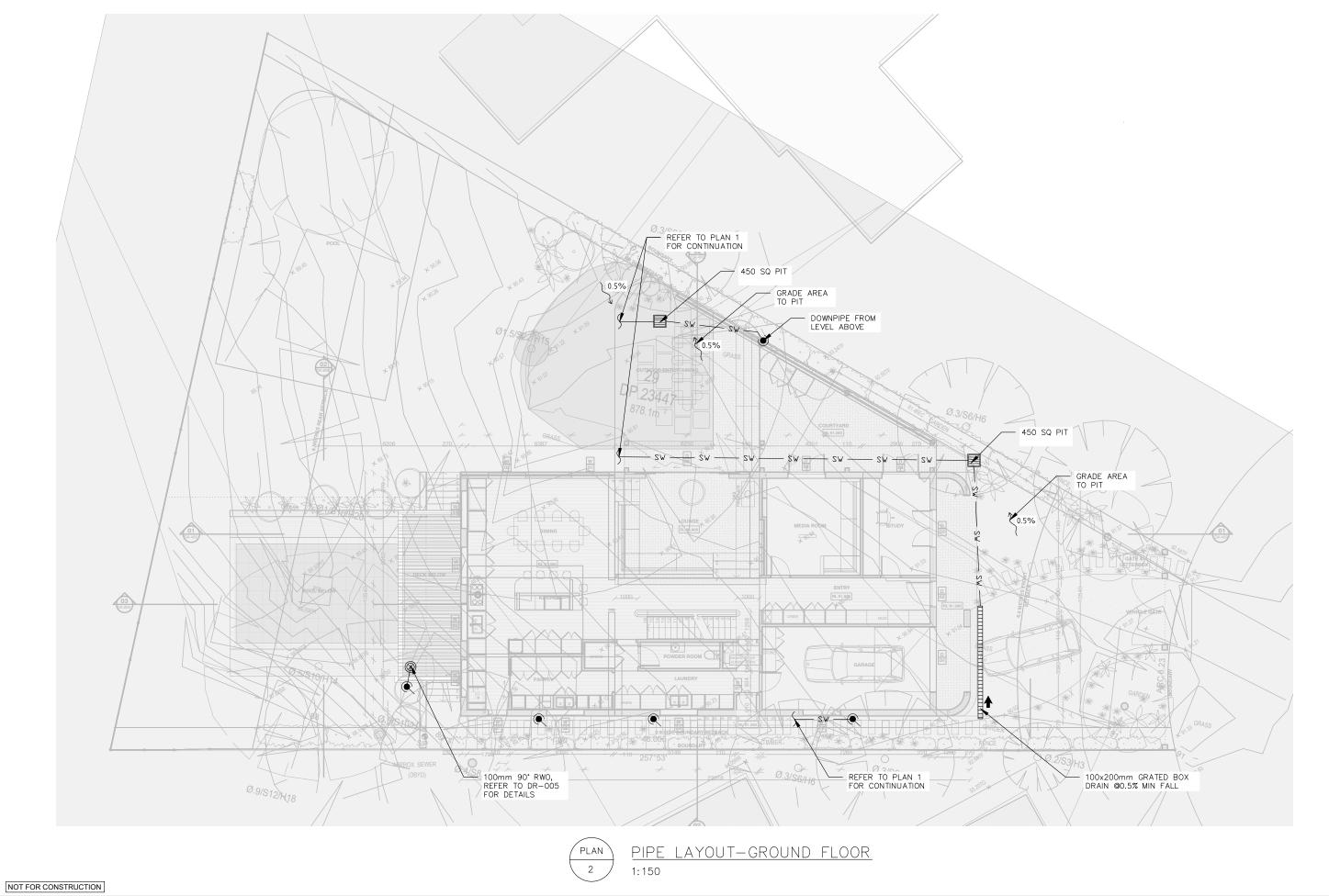
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67 WOOLGOOLGA STREET, NORTH BALGOWLAH

PIPE LAYOUT - LOWER GROUND LEVEL

Size A3 | Status | Dry No. | DR-001 | 1



No. BY DATE

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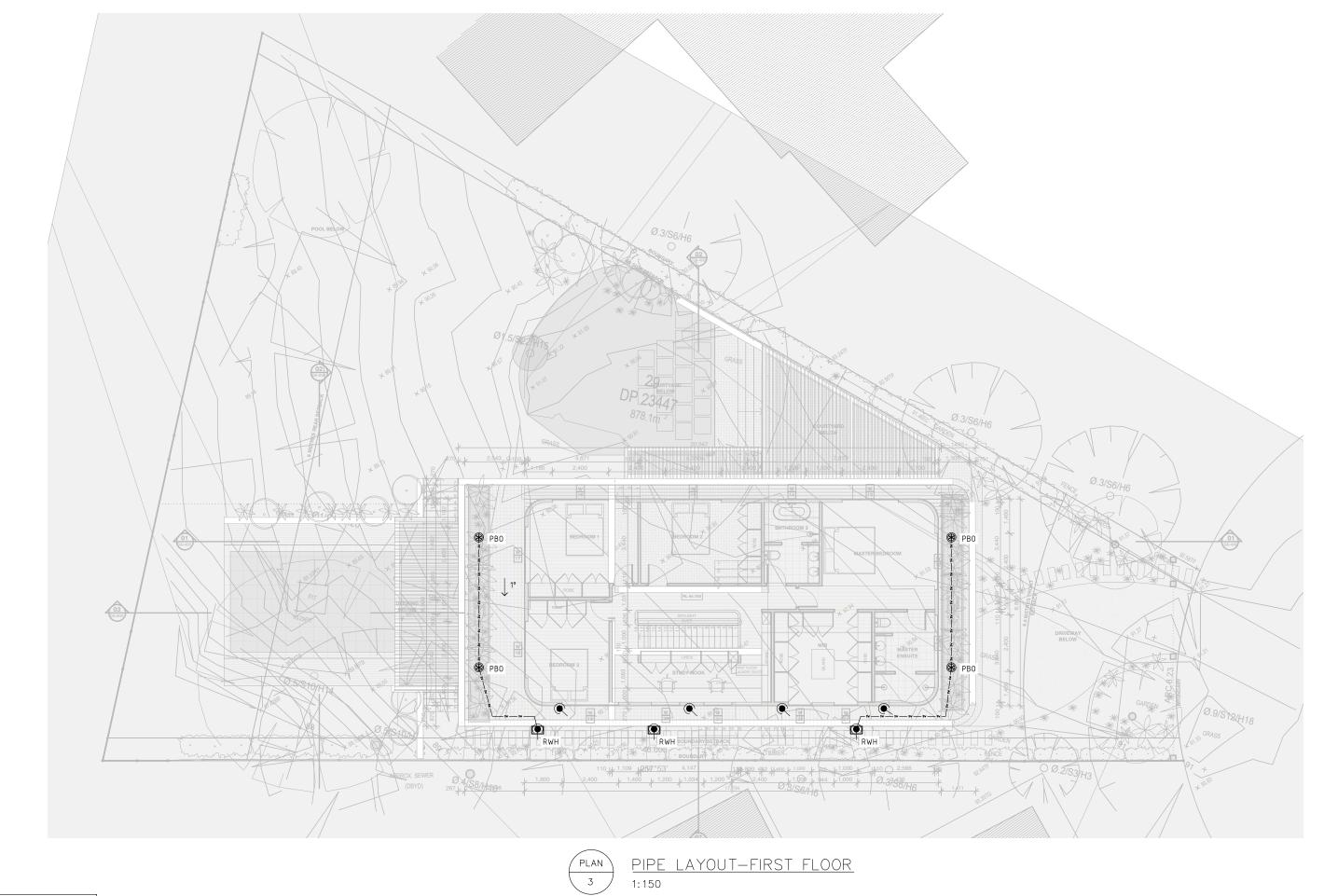
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PIPE LAYOUT - GROUND LEVEL

Rev. A3 | Status | DR-002 | 1



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16/03/2023

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67 WOOLGOOLGA STREET, NORTH BALGOWLAH PIPE LAYOUT - FIRST FLOOR LEVEL * A3 FOR DA SUBMISSION DR-003

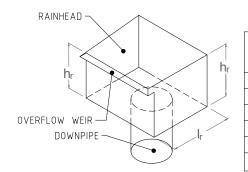


TABLE 1 - RAINWATER HEAD DESIGN (100 YEAR ARI, 1:200 FALL)

		TYPE 1	TYPE 2
ROOF SERVICE AREA	ı	27.75m²	67.75m²
DOWNPIPE DIAMETER	DP	90mm	100mm
LENGTH OF RAINWATER HEAD	Lr	110mm	135mm
RAINWATER HEAD DEPTH	hr	115mm	125mm
RAINWATER HEAD WIDTH (MIN)	W _{rh}	200mm	200mm

NOMENCLATURE
DP - DOWNPIPE
EG - EAVES GUTTER
BG - BOX GUTTER
RWH - RAINWATER HEAD

GUTTER SIZING

BOX GUTTER DESIGNED TO ARI (100YR:247mm/hr)

EAVES GUTTER DESIGNED TO ARI (20YR:206mm/hr)

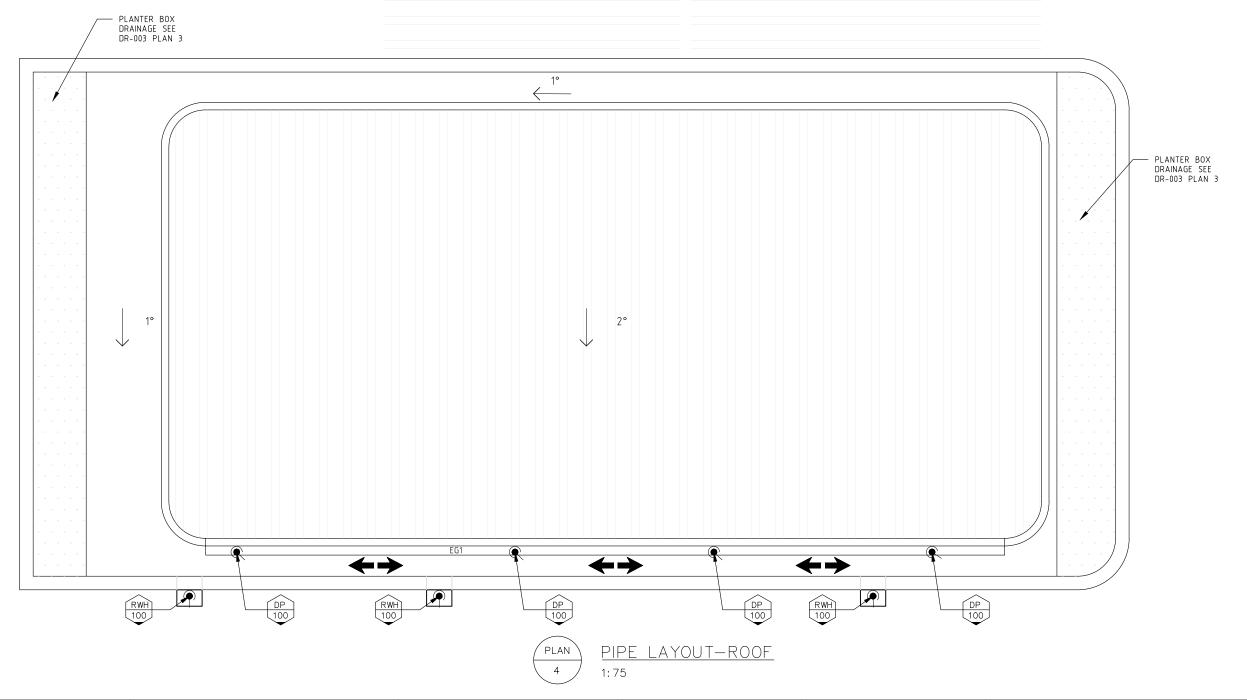
BG1 - 200x95mm

EG1 - MIN CSA 9,200 mm²

LEGEND

DOWNPIPE TYPE AND DIAMETER

DIRECTION OF FALL



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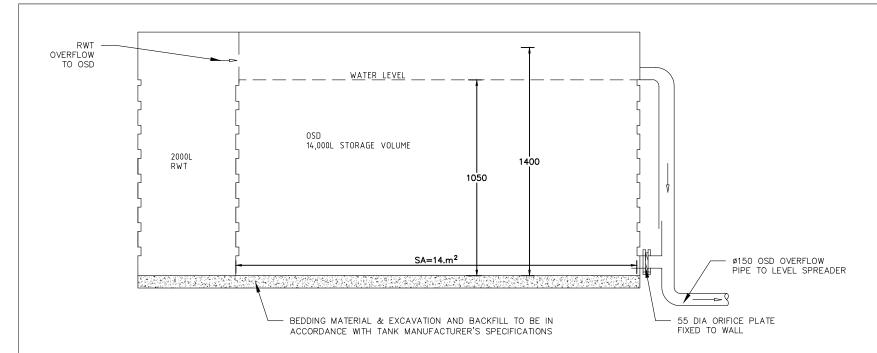
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67 WOOLGOOLGA STREET, NORTH BALGOWLAH	
PIPE LAYOUT - ROOF	

Rev.

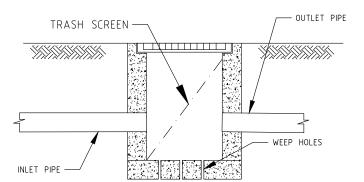
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* A3 FOR DA SUBMISSION DR-004



DETAIL 1

UNDERGROUND BLOCKWORK OSD TANK NOT TO SCALE



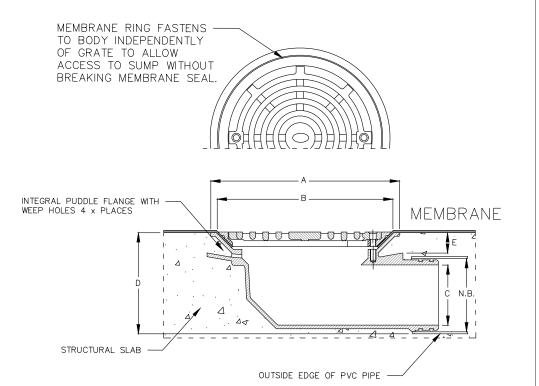


450 SQUARE MEDIUM DUTY PIT

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
- 3. 20DIA AT 150 SPACING AT BASE OF SUMP. BEDDING TO BE 100 THICK SAND/GRAVEL MATERIAL.



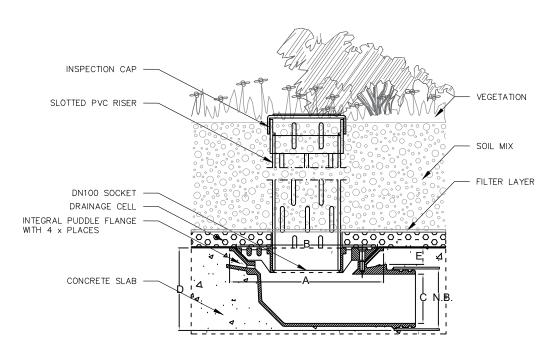


TYPICAL 100 SS GRATED RAINWATER OUTLET

NOT TO SCALE

NOTE:

1. INSTALLATION AS PER MANUFACTURER'S RECOMMENDATIONS





PLANTER BOX OUTLET (SPS TIA80PB OR APPROVED OTHER) NOT TO SCALE

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AS3500.3:2021						
		DETAILS				
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