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:

- 1. 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.

NOT FOR CONSTRUCTION

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- 1>	- -	FRM	6/6/2023	RFI RESPONSE	LES		
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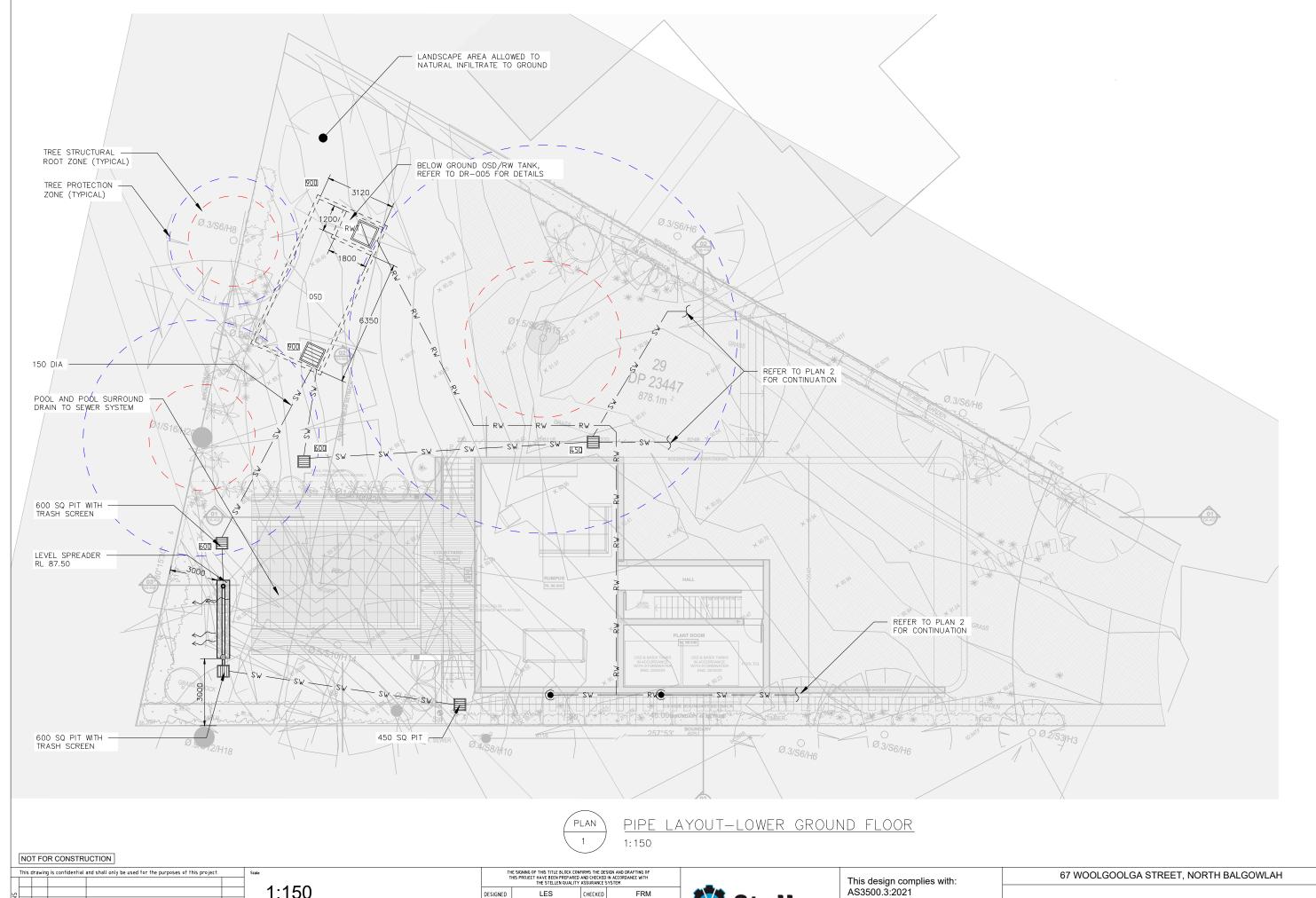
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67 WOOLGOOLGA STREET, NORTH BALGOWLAH								
LEGEND								
Size A3	Status	FOR DA SUBMISSION	DR-000	Rev.				



3 LES 05/07/2023 RFI RESPONSE
2 LES 22/6/2023 RFI RESPONSE
1 FRM 06/6/2023 RFI RESPONSE
0 NTM 16/03/2023 FOR DA SUBMISSION LES FRM

No. BY DATE

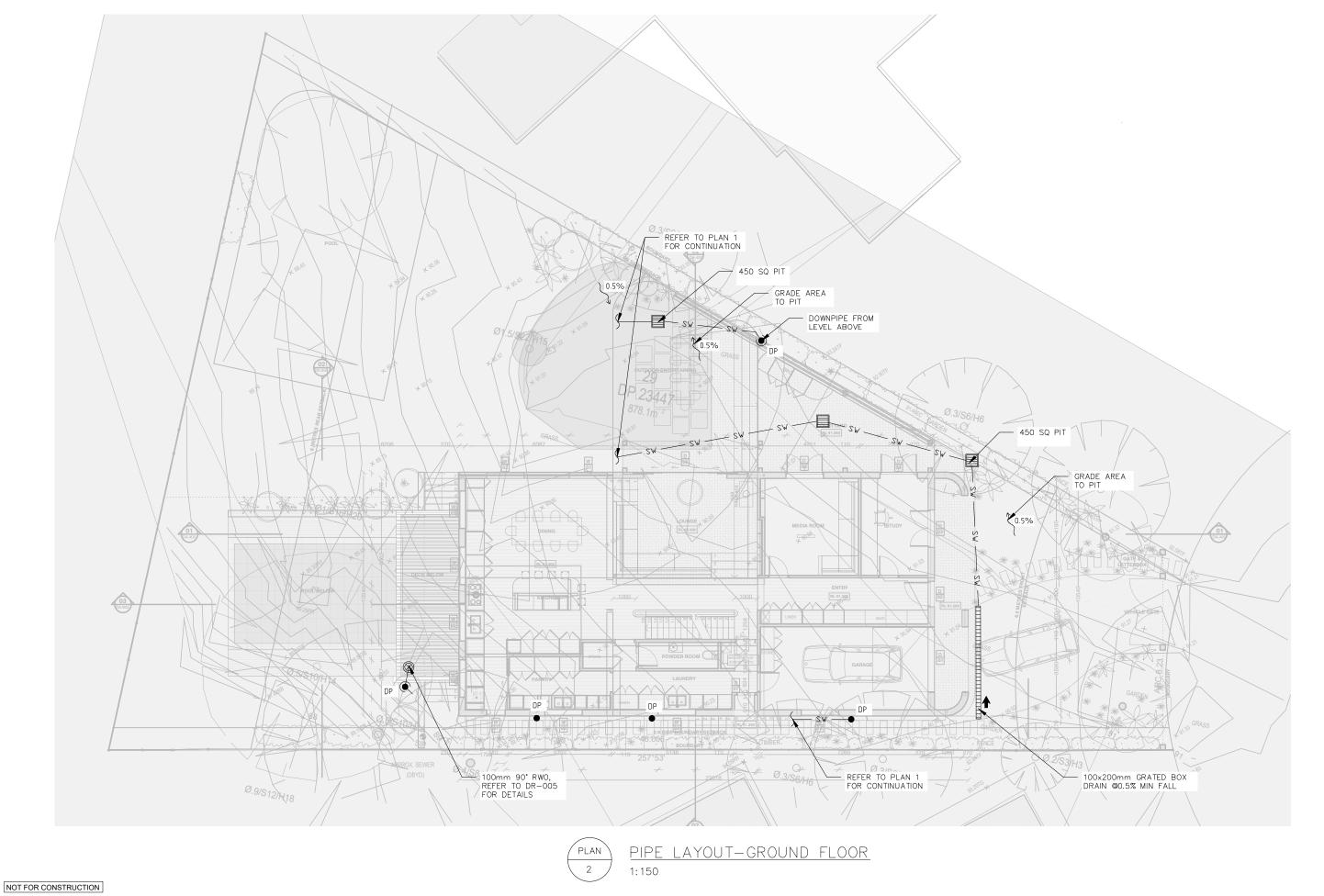
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PIPE LAYOUT - LOWER GROUND LEVEL ^{*} A3 FOR DA SUBMISSION DR-001



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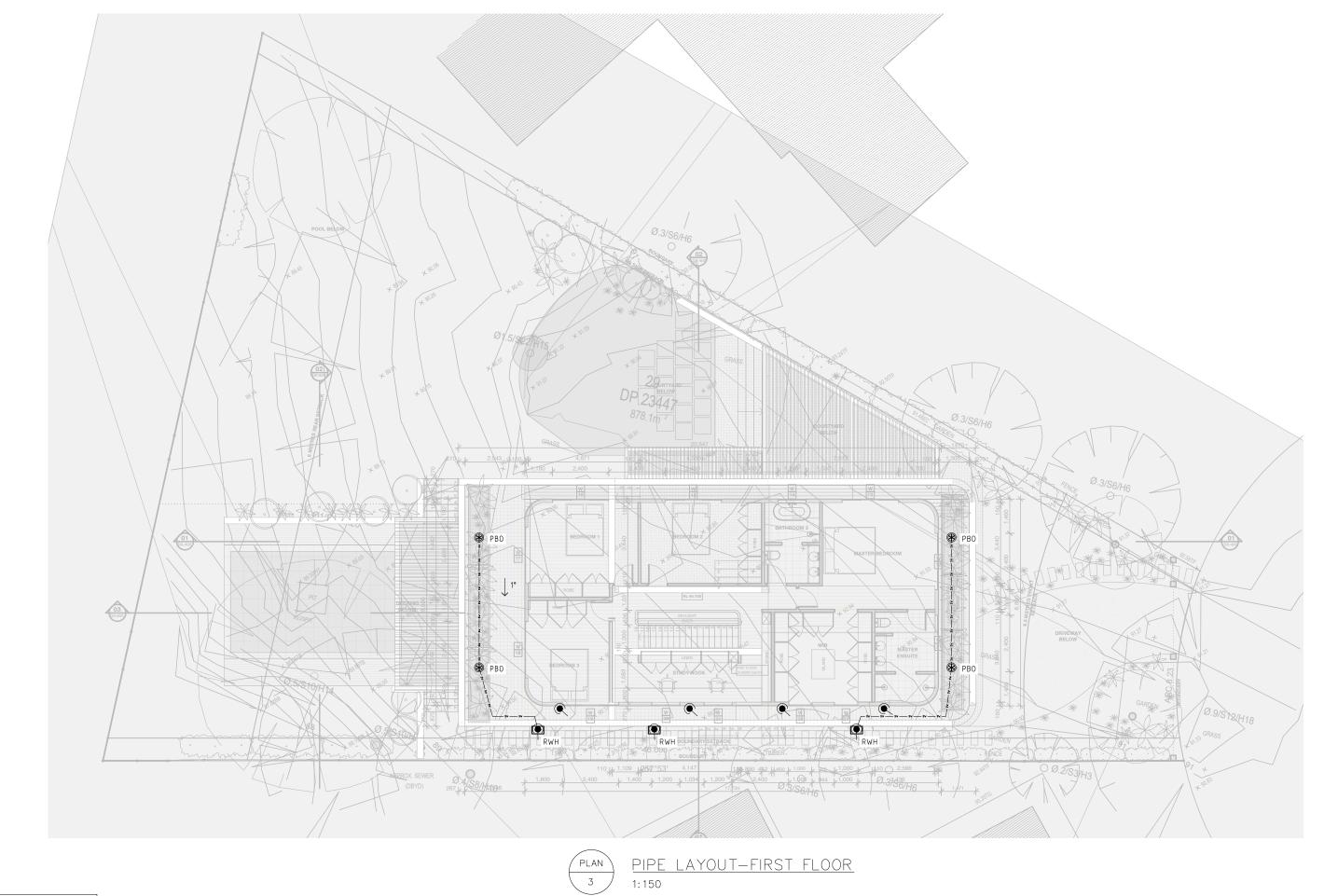
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67 WOOLGOOLGA STREET, NORTH BALGOWLAH

PIPE LAYOUT - GROUND LEVEL

Size A3 | Status | Dry No. | DR-002 | 2



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1 FRM 6/6/2023 RFI RESPONSE 0 NTM 16/03/2023 No. BY DATE FOR DA SUBMISSION FRM

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SHA

16/03/2023

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APPROVED

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

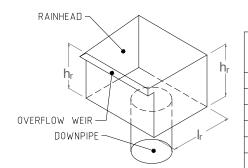


TABLE 1 - RAINWATER HEAD DESIGN (100 YEAR ARI, 1:200 FALL)

		TYPE 1	TYPE 2
ROOF SERVICE AREA	_	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

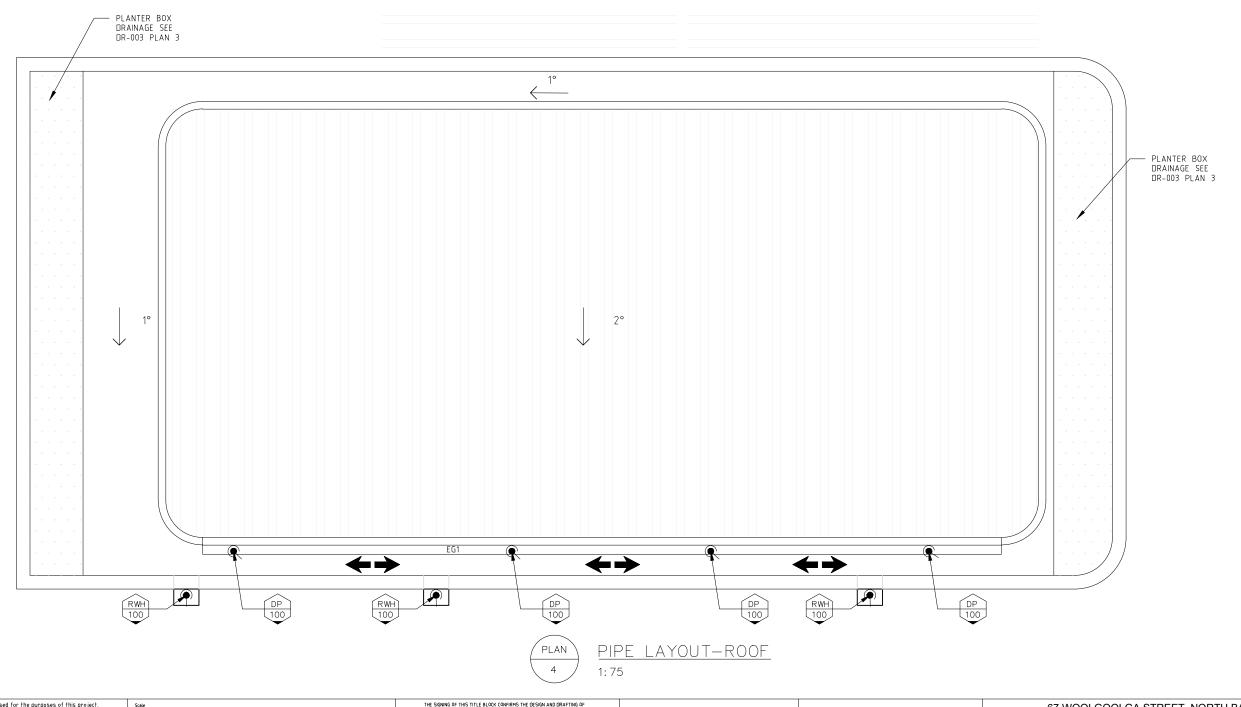
RWH - RAINWATER HEAD

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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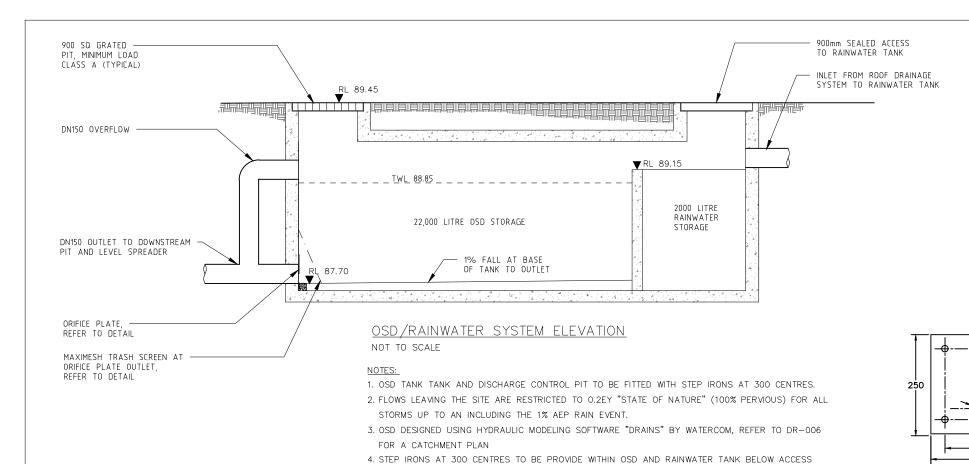
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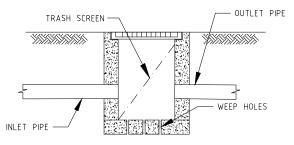
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	PIPE LAYOUT - ROOF								
Size A3	FOR DA SURMISSION	Drg No.	Rev.						



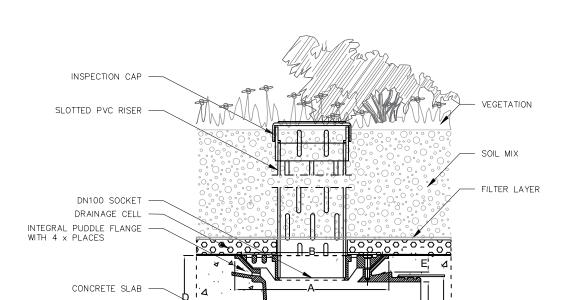
PITS.



DETAIL 600/900 SQUARE MEDIUM DUTY PIT

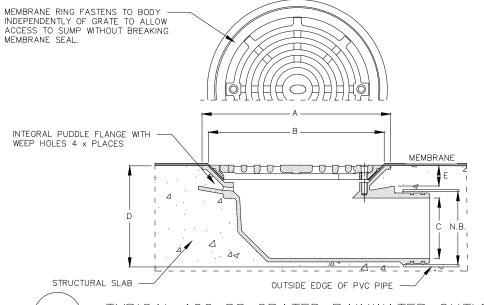
NOT TO SCALE

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



PLANTER BOX OUTLET (SPS TIA80PB OR APPROVED OTHER)

NOT TO SCALE



DETAIL 4

200

3mm THICK STAINLESS STEEL SECURELY FIXED TO OSD WALL WITH 4 OFF 12mm

NOT TO SCALE

DYNA BOLTS

ORIFICE PLATE DETAIL

TYPICAL 100 SS GRATED RAINWATER OUTLET NOT TO SCALE

1. INSTALLATION AS PER MANUFACTURER'S RECOMMENDATIONS

NOT FOR CONSTRUCTION

BOLTED TO WALL USING RAMSET

CHEMICAL ANCHORS

200

RH3030 -

MAXIMESH

300

NOT TO SCALE

ORIFICE OUTLET
REFER TO DETAIL

300 PLAN

200

SIDE VIEW CROSS SECTION

TRASH SCREEN DETAIL

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	Size	Status

67 WOOLGOOLGA STREET, NORTH BALGOWLAH							
DETAILS							
A3	FOR DA SUBMISSION	Drg No. DR-005	Rev.				

