

427 BURWOOD ROAD, BELMORE

STORMWATER MANAGEMENT PLAN

DRAWING INDEX:

DR-000 LEGEND

DR-001 PIPE LAYOUT - GROUND FLOOR

DR-002 PIPE LAYOUT - FIRST FLOOR

DR-003 ROOF LAYOUR & RAINWATER HEAD DETAIL

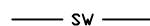
DR-004 DETAIL — SHEET 1

DR-005 DETAIL - SHEET 2

LEGEND:



DOWNPIPE



STORMWATER PIPE



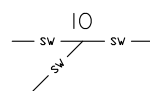
PLANTERBOX DRAIN



RAINWATER OUTLET



DRAINAGE PIT



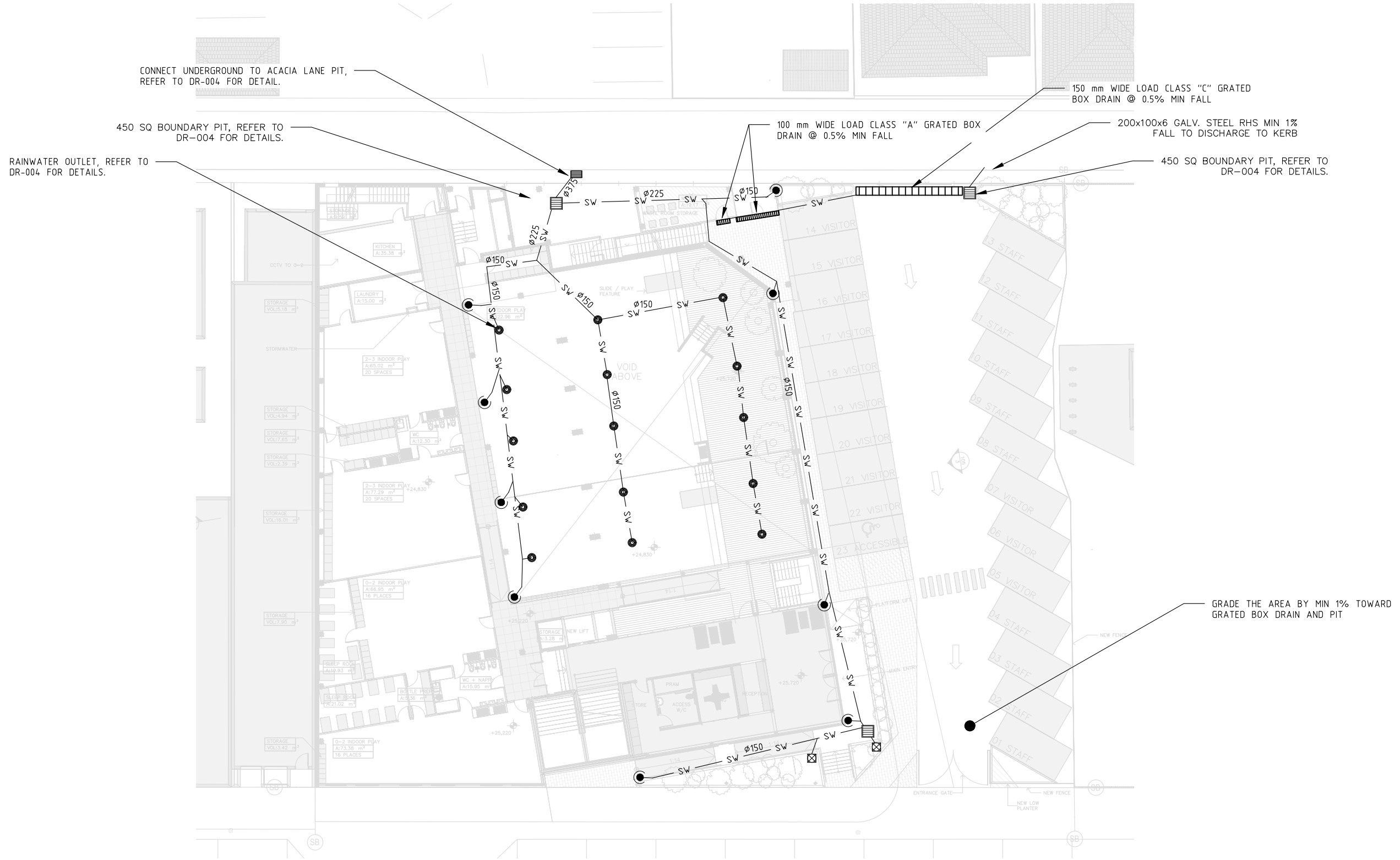
INSPECTION OPENING

NOTES:

1. ALL DIMENSIONS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.
2. SITE LAYOUT BASED ON ARCHITECTURAL PLANS BY SUPERCONTEXT (OCTOBER/2022) AND SURVEY PLANS BY VERIS AUSTRALIA (NOVEMBER/2018).
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					NA					<div><div></div><div>Stellen</div><div>Stellen Consulting ABN 61 14 9 095 189</div></div>					LEGEND									
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PLAN
1

PIPE LAYOUT-GROUND FLOOR

1:300

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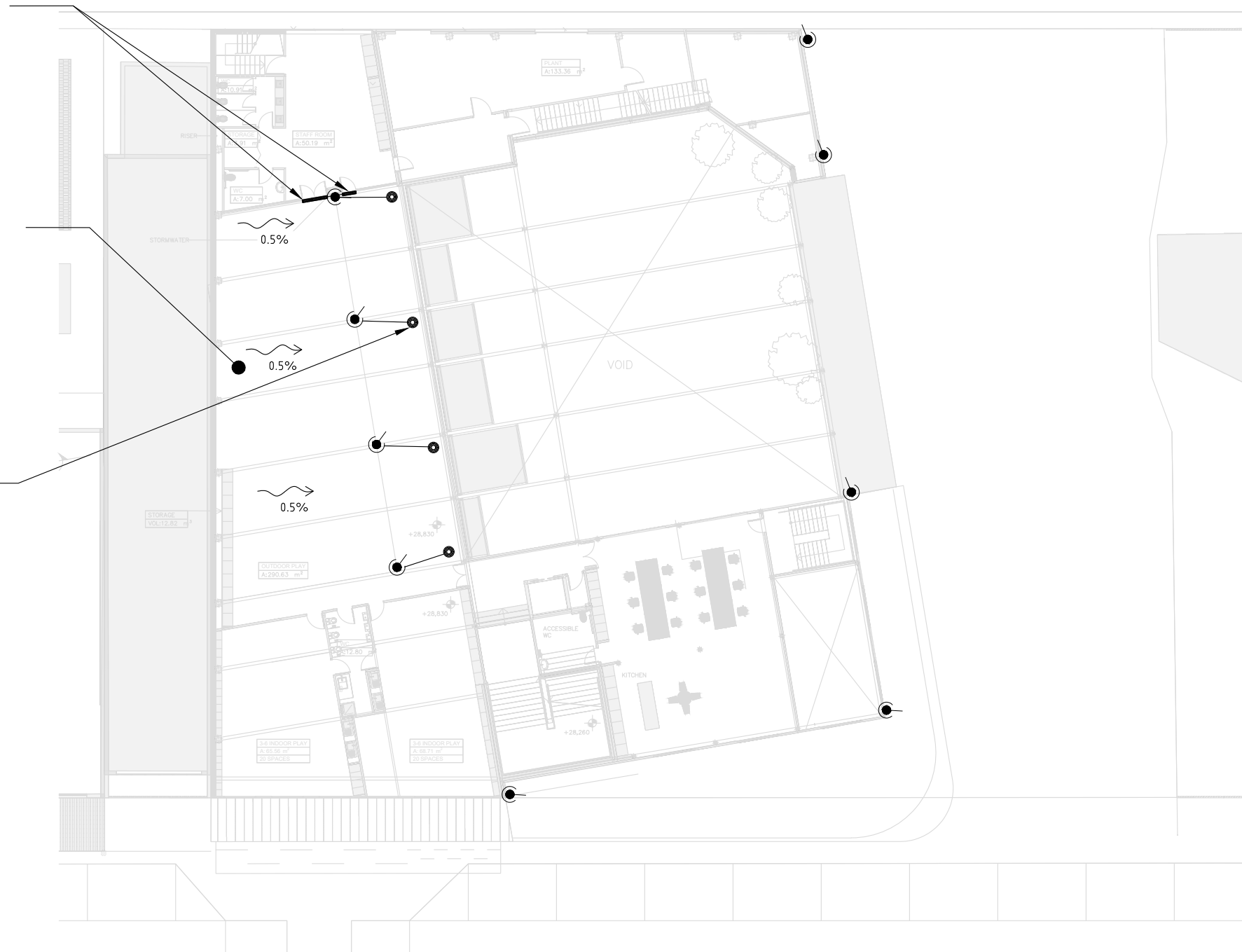
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427 BURWOOD ROAD, BELMORE			
PIPE LAYOUT - GROUND FLOOR			
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150 mm WIDE LOAD CLASS "A"
GRADED BOX DRAIN @ 0.5% MIN
FALL

GRADE BALCONY AREA AWAY FROM
BUILDING AT MIN 0.5% FALL

RAINWATER OUTLET, REFER
TO DR-005 FOR DETAILS.



PIPE LAYOUT—FIRST FLOOR
1: 300

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


427 BURWOOD ROAD, BELMORE

PIPE LAYOUT - FIRST FLOOR

Size	A3	Status	APPROVED FOR DA SUBMISSION	Dwg No.	DR-002	Rev.	0
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NOMENCLATURE
DP - DOWNPIPE
EG - EAVES GUTTER
SD - SCUPPER DRAIN
BG - BOX GUTTER REFER TO DETAIL 1 TABLE 1
RWH - RAINWATER HEAD

GUTTER SIZING
RWH DESIGNED TO ARI (100YR:213mm/hr)
EAVE GUTTER DESIGNED TO ARI (20YR:170mm/hr)
EG1 - MIN CSA 10,000 mm²

LEGEND
 DOWNPIPE TYPE AND DIAMETER
 DIRECTION OF FALL
 DOWNPIPE

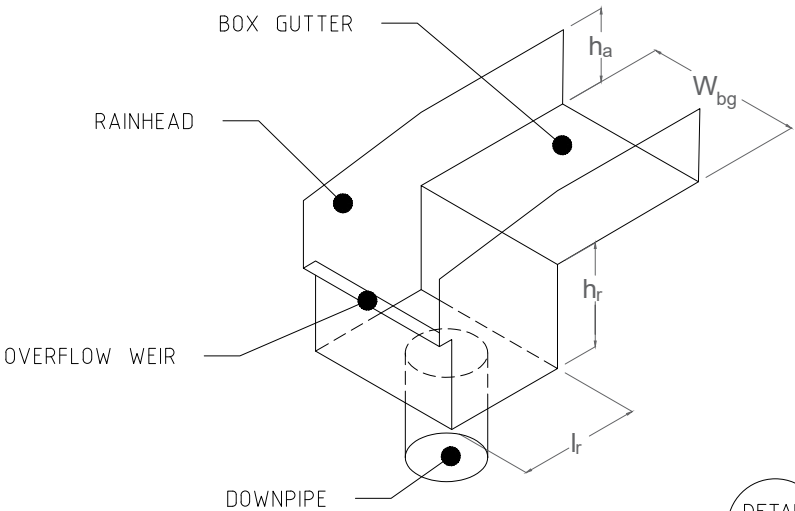
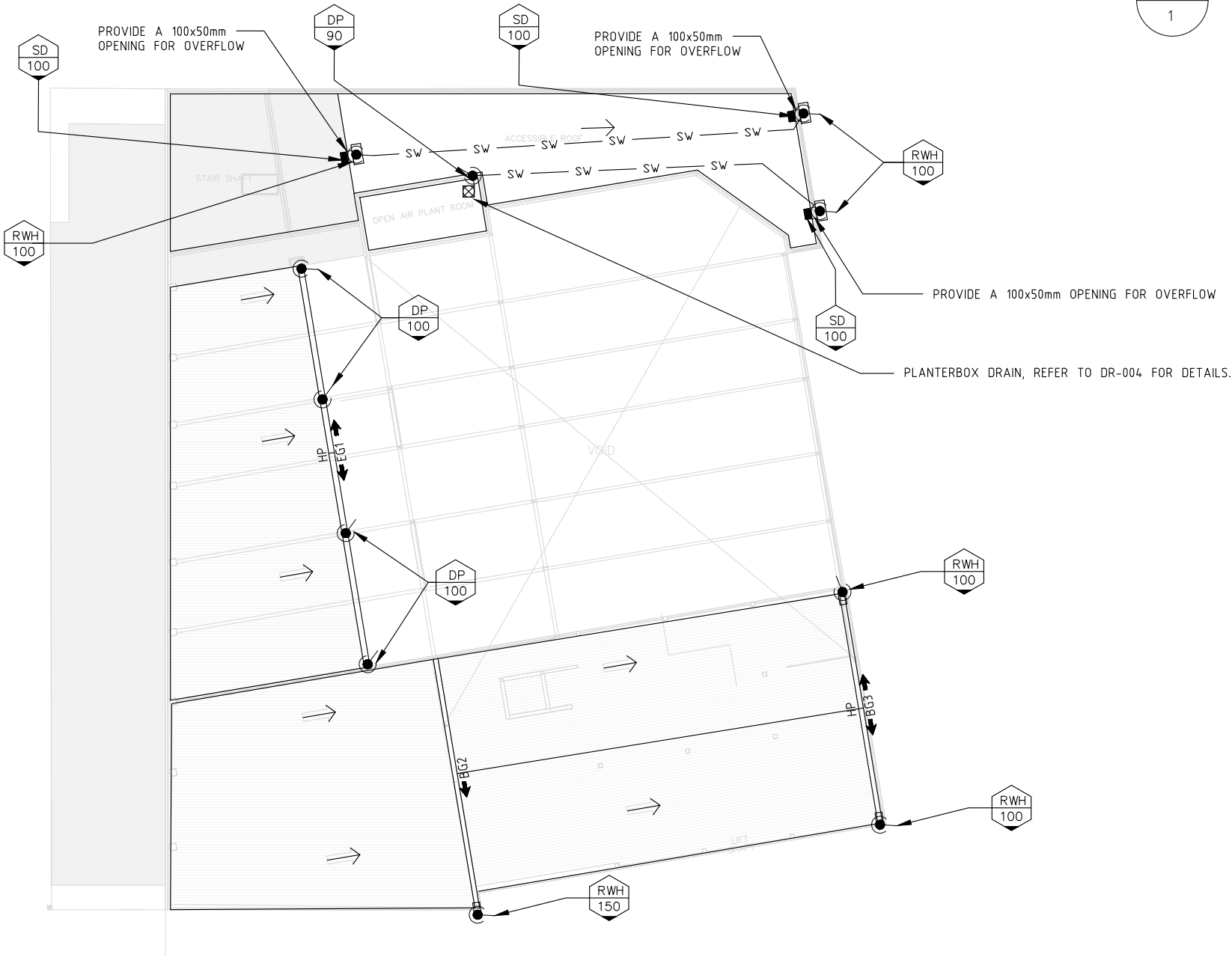


TABLE 1 – RAINWATER HEAD DESIGN (100 YEAR ARI, 1:200 FALL)				
		TYPE 1	TYPE 2	TYPE 3
ROOF SERVICE AREA	–	–	–	–
DOWNPIPE DIAMETER	DP	100mm	150mm	100mm
BOX GUTTER WIDTH (MIN)	W _{bg}	–	300mm	300mm
BOX GUTTER DEPTH (MIN)	h _a	–	150mm	140mm
LENGTH OF RAINWATER HEAD	L _r	185mm	180mm	170mm
RAINWATER HEAD DEPTH	h _r	215mm	190mm	190mm
RAINWATER HEAD WIDTH (MIN)	W _{rh}	200mm	300mm	300mm

DETAIL 1
TYPICAL RAINWATER HEAD DETAIL
NOT TO SCALE

NOTES:
1. TOP OF RAINWATER HEAD TO BE SET MIN 25mm LOWER THAN INVERT BOX GUTTER.
2. RAINWATER HEAD OVERFLOW WEIR TO BE SET 25mm BELOW SOLE OF BOX GUTTER.
3. BOX GUTTER SOLE TO HAVE MINIMUM 1:200 FALL
4. BOX GUTTER AND RAINHEAD TO BE DESIGNED TO ARCHITECTURAL SPECIFICATION PROVIDED IT COMPLIES WITH THE MINIMUM DIMENSIONS IN TABLE 1.



PLAN 3
ROOF LAYOUT
1: 300

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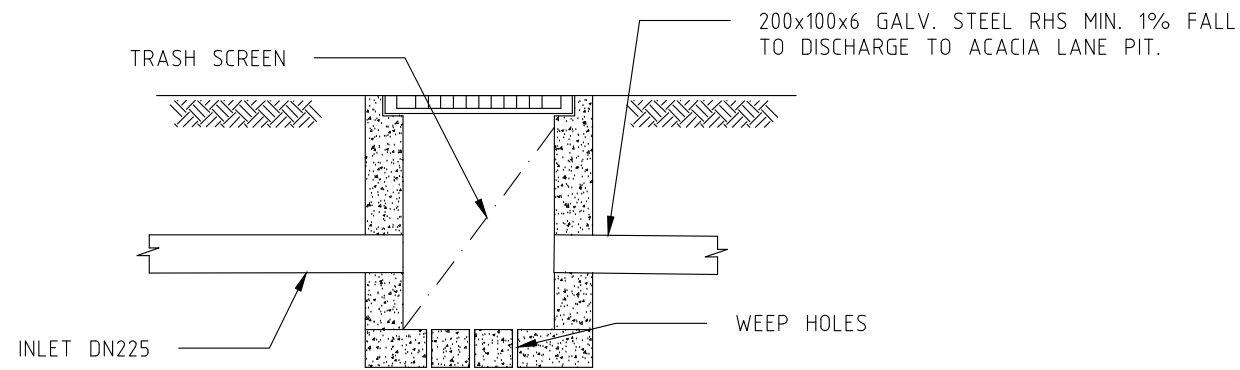
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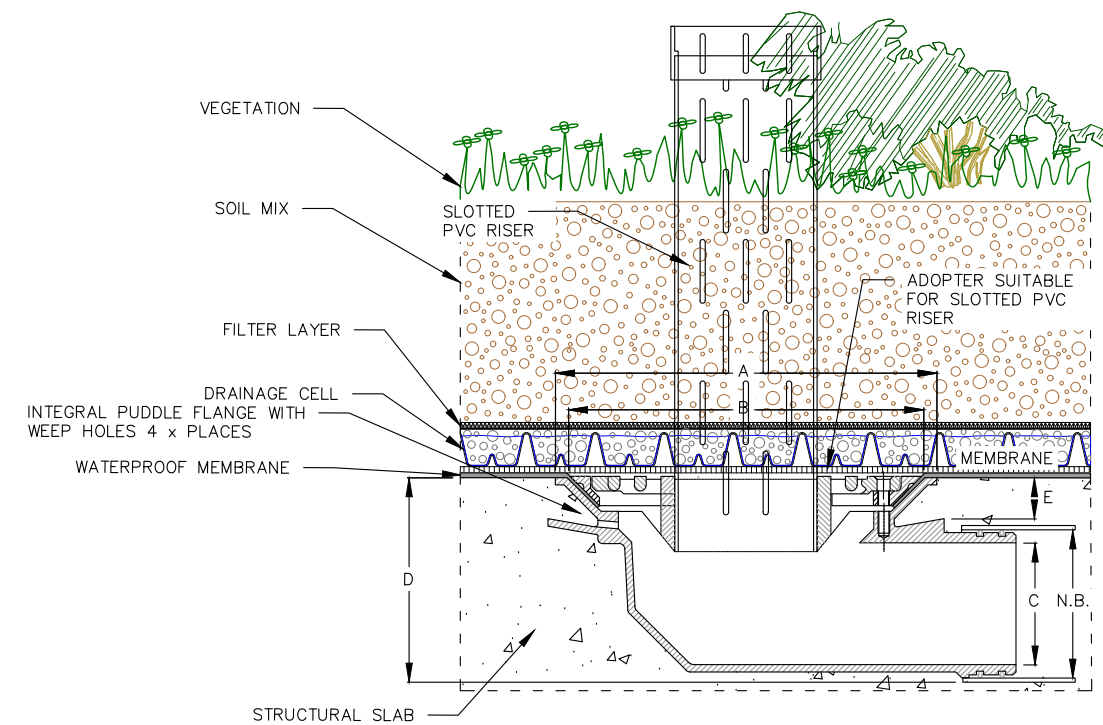
427 BURWOOD ROAD, BELMORE			
ROOF LAYOUT & RAINWATER HEAD DETAIL			
Size A3	Status APPROVED FOR DA SUBMISSION	Dwg No. DR-003	Rev. 0



DETAIL 2
450 SQUARE MEDIUM DUTY PIT
NOT TO SCALE

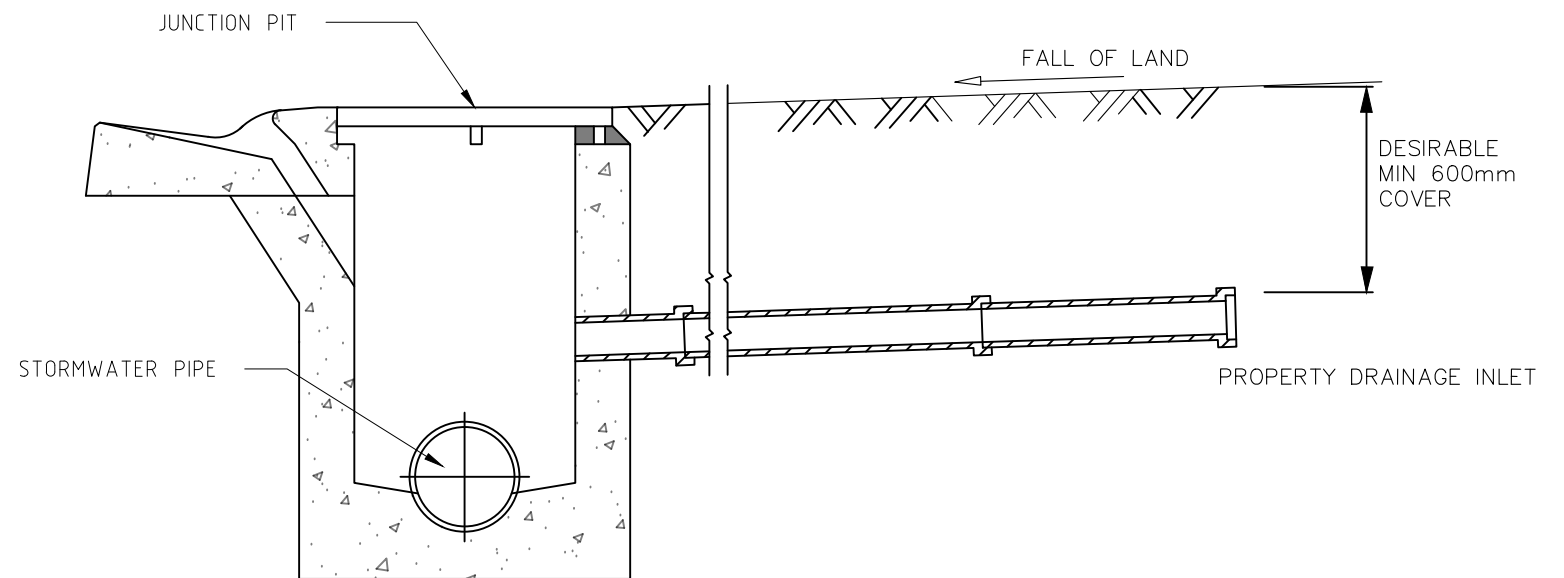
NOTES:

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.



N.B.	A	B	C	D	E
100	260	240	62	140	28

DETAIL 4
TYPICAL PLANTERBOX DRAIN
NOT TO SCALE



DETAIL 3
TYPICAL CONNECTION TO COUNCIL DRAINAGE PIT
NOT TO SCALE

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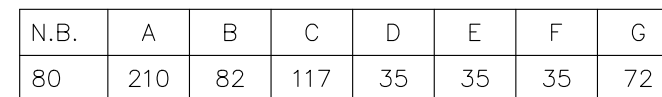
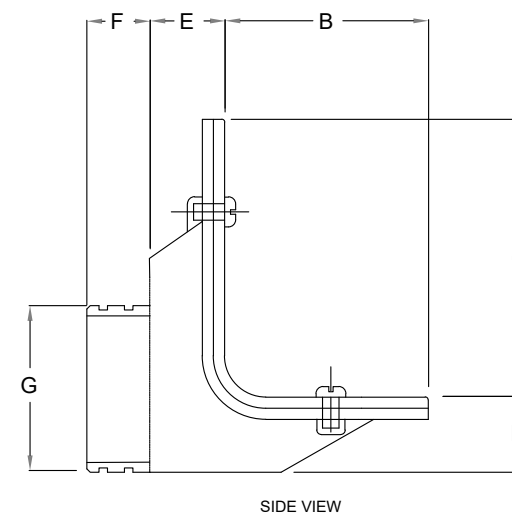
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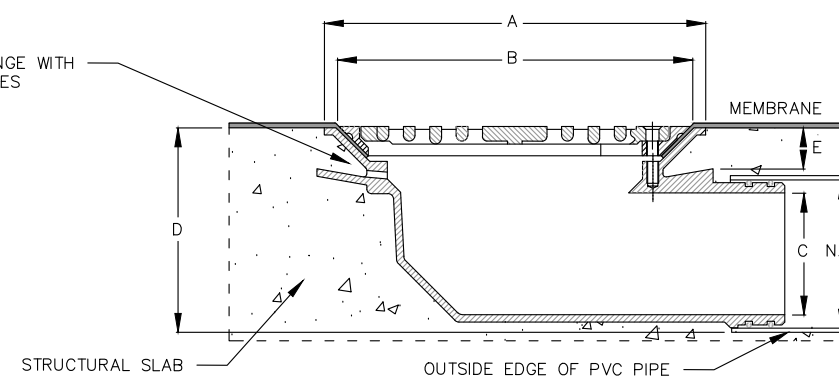
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427 BURWOOD ROAD, BELMORE			
DETAILS - SHEET 1			
Size	Status	Org No.	Rev.
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TYPICAL DETAILS FOR SPS SCUPPER DRAIN

NOT TO SCALE



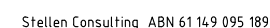
N.B.	A	B	C	D	E
100	260	240	83	140	28

TYPICAL RAINWATER OUTLET DETAIL
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427 BURWOOD ROAD, BELMORE			
DETAILS - SHEET 2			
Size A3	Status APPROVED FOR DA SUBMISSION	Dwg No. DR-005	Rev. 0