

CONSTRUCTION NOTES

- G1. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATION, ARCHITECTURAL DRAWINGS, OTHER CONTRACT DOCUMENTATION AND, THE REQUIREMENTS OF THE RELEVANT AUTHORITIES.
- G2. VERIFY ALL SETTING OUT DIMENSIONS WITH ARCHITECT.
- G3. DO NOT OBTAIN DIMENSIONS BY SCALING THE STRUCTURAL ELEMENTS.
- G4. SHOULD ANY AMBIGUITY, ERROR, OMISSION, DISCREPANCY, INCONSISTENCY, OR OTHER FAULT EXIST OR SEEM TO EXIST IN THE CONTRACT DOCUMENTS, IMMEDIATELY NOTIFY IN WRITING TO THE SUPERINTENDENT.
- G5. MAINTAIN THE STRUCTURE IN A STABLE CONDITION DURING CONSTRUCTION. NO PART SHALL BE OVERSTRESSED. TEMPORARY BRACING SHALL BE PROVIDED BY THE CONTRACTOR TO KEEP THE WORKS & EXCAVATIONS STABLE AT ALL TIMES.
- G6. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT SAA CODES AND THE BY-LAWS, ORDINANCES, OR OTHER REQUIREMENTS OF THE RELEVANT BUILDING AUTHORITIES.
- G7. WHERE NOTES REFER TO THE SPECIFICATION, COMPLY WITH THE REQUIREMENTS OF NATSPEC BUILDING SPECIFICATION AS A MINIMUM UNLESS MODIFIED BY THE CONTRACT DOCUMENT.
- G8. ABBREVIATIONS USED GENERALLY:
- U.N.O -UNLESS NOTED OTHERWISE
- TYP. -TYPICALLY
- N.S.O.P. -NOT SHOWN ON PLAN
- N.S.O.E. -NOT SHOWN ON ELEVATION
- 170 -INDICATES SLAB OR BAND THICKNESS VARIATION
- G9. ALL PROPRIETARY CHEMICAL & MECHANICAL ANCHORS ARE TO BE INSTALLED AT SPACINGS, EDGE DISTANCES, & DEPTHS AS INDICATED ON THE DRAWINGS. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS INCLUDING DRILLING METHOD, HOLE DIAMETER, CLEANING, CURING, & TIGHTENING.

PLAN SPECIFIC NOTES

- P1. ROOF DRAINAGE NOTE: AS 3500 ROOF DRAINAGE REQUIRES EAVES GUTTERS SLOPE 1:500 OR STEPPER.
- a) OVERFLOW METHOD FOR FIGURE G1 OF AS AS3500.3:2003 IT IS THE RESPONSIBILITY OF THE PLUMBER AND/OR BUILDER TO COMPLY WITH THIS. THIS DRAWING SHOWS PRELIMINARY LOCATIONS / NUMBERS OF DOWNPIPES ONLY WHICH ARE TO BE VERIFIED BY BUILDER / PLUMBER.
- P2. TREE PRESERVATION: IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ANY PRIOR APPROVAL REQUIRED FROM COUNCIL WITH RESPECT TO POTENTIAL IMPACT ON TREES FOR ANY WORKS SHOWN ON THIS DRAWING PRIOR TO THE COMMENCEMENT OF THOSE WORKS.
- P3. ALL ROOF GUTTERS TO HAVE OVERFLOW PROVISION IN ACCORDANCE WITH AS 3500.3:2003 AND SECTIONS 3.5.3, 3.7.5 AND APPENDIX G OF AS 3500.3:2003
- P4. THIS DRAWING IS NOT TO BE USED FOR SET-OUT PURPOSES - REFER TO ARCHITECTURAL DRAWINGS.
- P5. LOCATION OF SURFACE STORMWATER GRATED INLET PITS MAY BE VARIED OR NEW PITS INSTALLED AT THE CONSTRUCTION STAGE PROVIDED DESIGN INTENT OF THIS DRAWING IS MAINTAINED.

HYDRAULIC NOTES

- H1. DRAINAGE PIPE SIZES ARE Ø100 mm U.P.V.C @ MIN. 1% GRADE UNLESS NOTED OTHERWISE. CHARGED LINES TO BE SEWER GRADE & SEALED.
- H2. ALL SERVICES ARE TO BE LOCATED IN THE FIELD IN CONJUNCTION WITH A RESPONSIBLE OFFICER OF EACH RELEVANT AUTHORITY PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- H3. DRAINAGE PITS ARE TO BE 450 mm SQUARE OR LARGER AND FITTED WITH A GALVANISED GRATE.
- H4. DRAINAGE PIPES SHALL BE SEWER GRADE PVC UNLESS NOTED.
- H5. PITS LESS THAN 600 DEEP MAY BE BRICK, PRECAST OR CONCRETE.
- H6. ALL BALCONIES AND ROOFS TO BE DRAINED AND HAVE SAFETY OVERFLOW IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARD
- H7. GRATES TO HAVE CHILD PROOF LOCKS.
- H8. DRAINAGE WORKS TO AVOID TREE ROOTS.
- H9. DOWNPIPES TO HAVE LEAF GARDS.
- H10. EXISTING LEVELS TO BE CONFIRMED BY BUILDER PRIOR TO CONSTRUCTION.
- H11. WORK WITHIN COUNCIL RESERVE TO BE INSPECTED BY COUNCIL.
- H12. EXISTING STORMWATER PIPE LOCATIONS HAVE BEEN ASSUMED. PLUMBER TO INSPECT PRIOR TO WORKS AND UPGRADE AS NECESSARY.

SUB SURFACE DRAINAGE

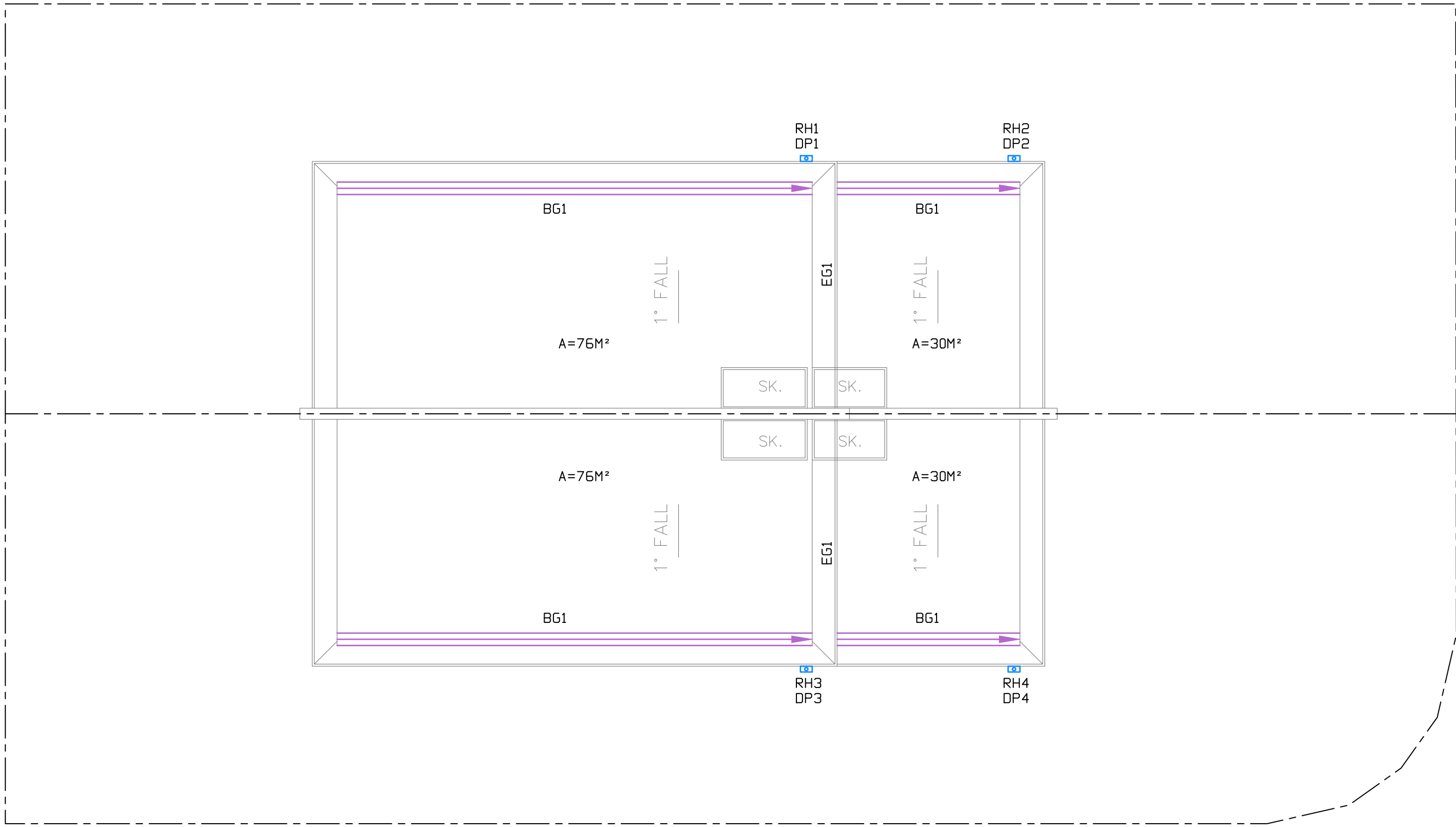
- SS1. THE GROUND BENEATH A SUSPENDED TIMBER FLOOR MUST BE GRADED SO THAT THE AREA BENEATH THE BUILDING IS ABOVE THE ADJACENT FINISHED GROUND LEVEL TO PREVENT PONDING.
- SS2. AGRICULTURAL (AG) CUT-OFF DRAINS MUST BE INSTALLED AT THE BASE OF ALL EXCAVATIONS AND ALONG THE HIGH SIDE OF A SLOPING SITE AND BE CONNECTED TO THE STORM WATER DRAINAGE SYSTEM VIA A 300mm X 300mm SILT PIT.
- SS3. AG DRAINS MUST BE LAID A MINIMUM OF 400mm INTO SOIL AND 100mm BELOW ANY ADJACENT FOOTING OR PAVEMENT.

SURFACE DRAINAGE

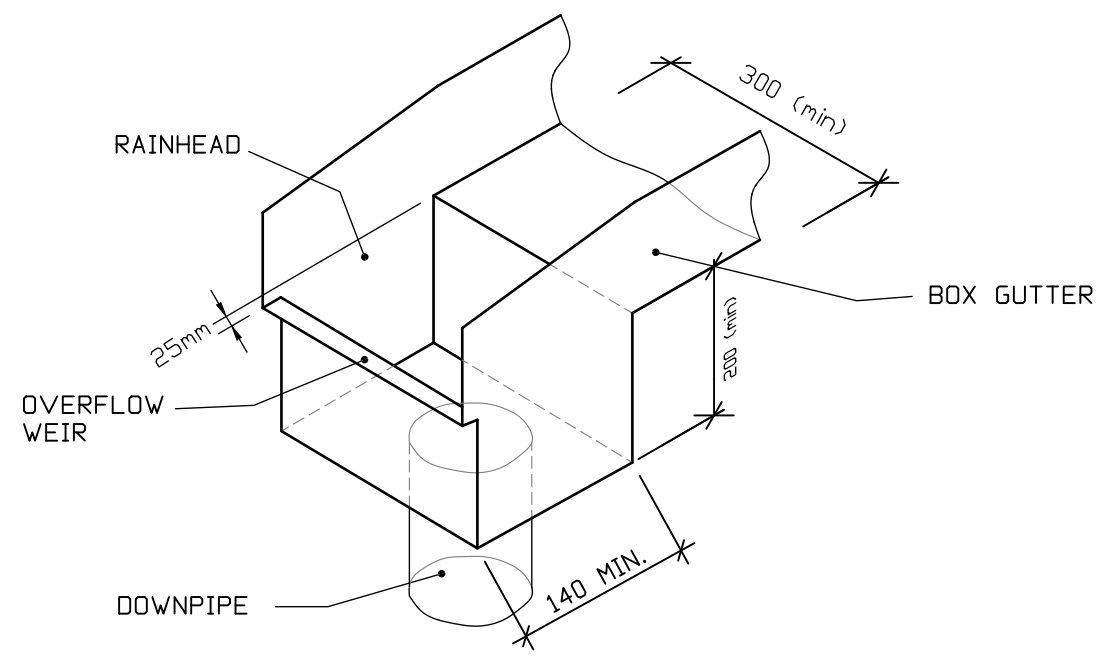
- S1. INSTALLATION OF THE STORM WATER DRAINAGE SYSTEM MUST COMPLY WITH AS/NZS 3500.5 - DOMESTIC INSTALLATIONS.
- S2. SURFACE WATER DRAINAGE MUST BE GRADED AWAY FROM A BUILDING WITH A MINIMUM GRADIENT OF 1 IN 20 OVER THE FIRST METRE.
- S3. THE FINISHED SLAB HEIGHT (MEASURED AT THE SLAB EDGE) MUST BE NOT LESS THAN 50mm ABOVE ADJACENT PAVING OR CONCRETE OR 100mm ABOVE SANDY WELL DRAINED AREAS.
- S4. INSPECTION OPENINGS (DN 150) SHALL BE INSTALLED AT NOT MORE THAN 30m CENTRES, AND AT LOW POINTS IN CHARGED SYSTEM

EROSION AND SEDIMENT CONTROL NOTES

- E1. ALL BARE SOIL AREAS ARE TO BE PROTECTED FROM EROSION BY TEMPORARY MEASURES AND RE-VEGETATED AT CESSATION OF CONSTRUCTION.
- E2. A SEDIMENT CATCHMENT POND IS TO BE PROVIDED AT THE RATE OF 120 m3 CAPACITY PER HECTARE DRAINED. THE DETENTION TANKS MAY BE USED FOR THIS PURPOSE, PROVIDED SUFFICIENT WATER IS RETAINED AS A POOL DURING CONSTRUCTION & ADEQUATE SAFETY FENCING IS PROVIDED.
- E3. THE DOWNHILL BOUNDARY OF THE SITE IS TO BE PROTECTED BY HAY BALE OR FILTER FABRIC FENCE DURING CONSTRUCTION AS SHOWN IN ATTACHED DETAIL.
- E4. THE STREET DRAINAGE PIT LOCATED DOWNHILL OF THE SITE SHALL BE PROTECTED FROM SEDIMENT WITH HAY BALES.
- E5. A SINGLE CONSTRUCTION ENTRANCE SHALL BE ESTABLISHED IN THE MANNER SHOWN IN ATTACHED DETAIL.
- E6. ALL EROSION PROTECTION MEASURES TO MEET THE REQUIREMENTS OF THE DEPT. OF CONSERVATION AND LAND MANAGEMENT AS OUTLINED IN 'URBAN EROSION & SEDIMENT CONTROL', SCS TECH. HANDBOOK No 2 1978 UNLESS SPECIFIED BY COUNCIL.



ROOF DRAINAGE PLAN
1:100



RH DETAIL - TYP. RAINHEAD

MEMBER SCHEDULE	
DOWNPIPES & SPREADERS	
RH1-4	REFER TO RAIN HEAD DETAIL
DP1-6	Ø90 DOWNPIPE INTO OSD
GUTTERS	
BG1	300 (W) x 110 (D) BOX GUTTER DRAINING INTO OSD
EG1	EAVES GUTTER (MIN 7800mm² MIN. SLOPE 1:500) DRAINING INTO OSD
GROUND/FLOOR LEVEL DRAINAGE	
LSD	100 MM LINEAR STRIP DRAIN
GTD	200 MM GRATED TRENCH DRAIN
SUBSURFACE DRAINAGE	
UPVC1	Ø100 UPVC STORMWATER PIPE (DRAINING ROOF AREAS INTO OSD)
UPVC2	Ø100 UPVC STORMWATER PIPE (DRAINING INTO KERB)
	Ø100 AG LINE
	EXISTING STORMWATER PIPE TO KERB
TANKS & PITS	
OSD	2/10BL RAINWATER TANK 3 (w) x 4.5 (L) x 0.8 (h)
P1	450 x 450 PIT
P2	600 X 600 PIT
SF	REFER TO SEDIMENT FENCE DETAIL

NOTE:
IF SITE CONDITIONS VARY,
OR IF IN DOUBT,
CONSULT ENGINEER

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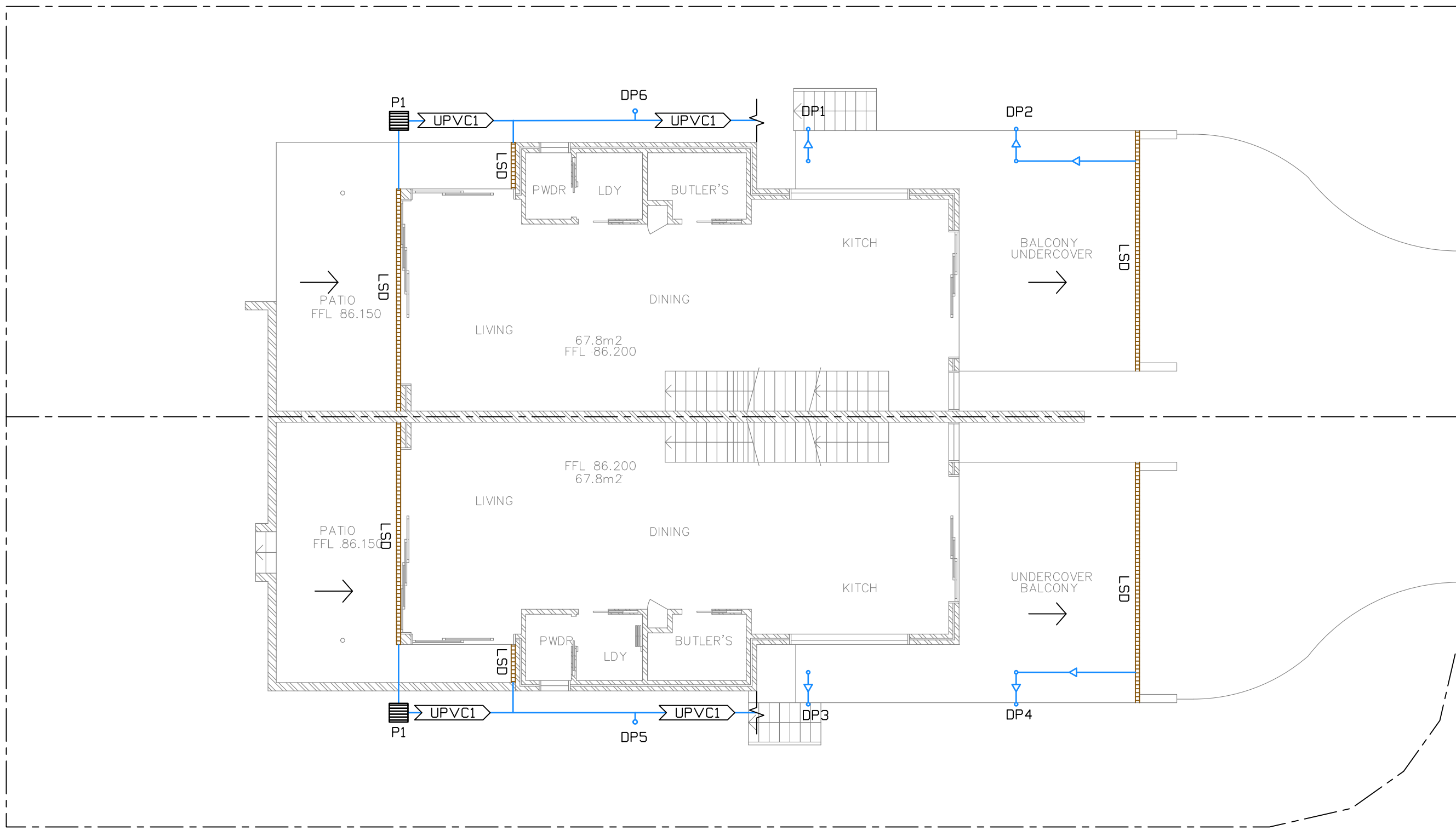
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CLIENT: VALERIUS INVESTMENTS PTY LTD		
PROJECT: STORMWATER DESIGN 1 MONTAUBAN AVE SEAFORT		
TITLE: PROPOSED STORMWATER		
Sheet No. 1 OF 3	Drawn: JV	Designed: JK
Drawing No: 20-8487-SW	Size: A1	Approved: AS SHOWN

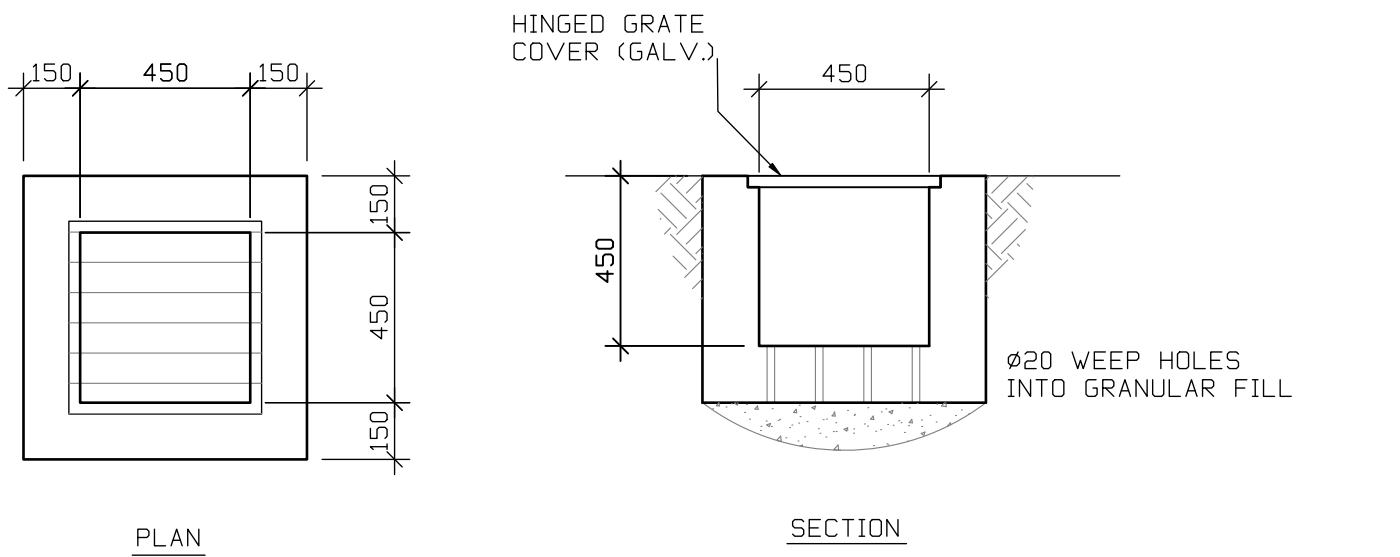
RAINFALL CALCULATIONS		
CO-ORDINATES	EAVES GUTTER	BOX GUTTER
	-33.792567, 151.244416	
DURATION	5min	
AEP	5%	1%
RAINFALL INTENSITY	206mm/hr	272mm/hr

STORMWATER PIPE
TO BE LAID IN ACCORDANCE WITH
TECHNICAL STANDARDS AS3500.3-2018 - PLUMBING
AND DRAINAGE STORMWATER DRAINAGE

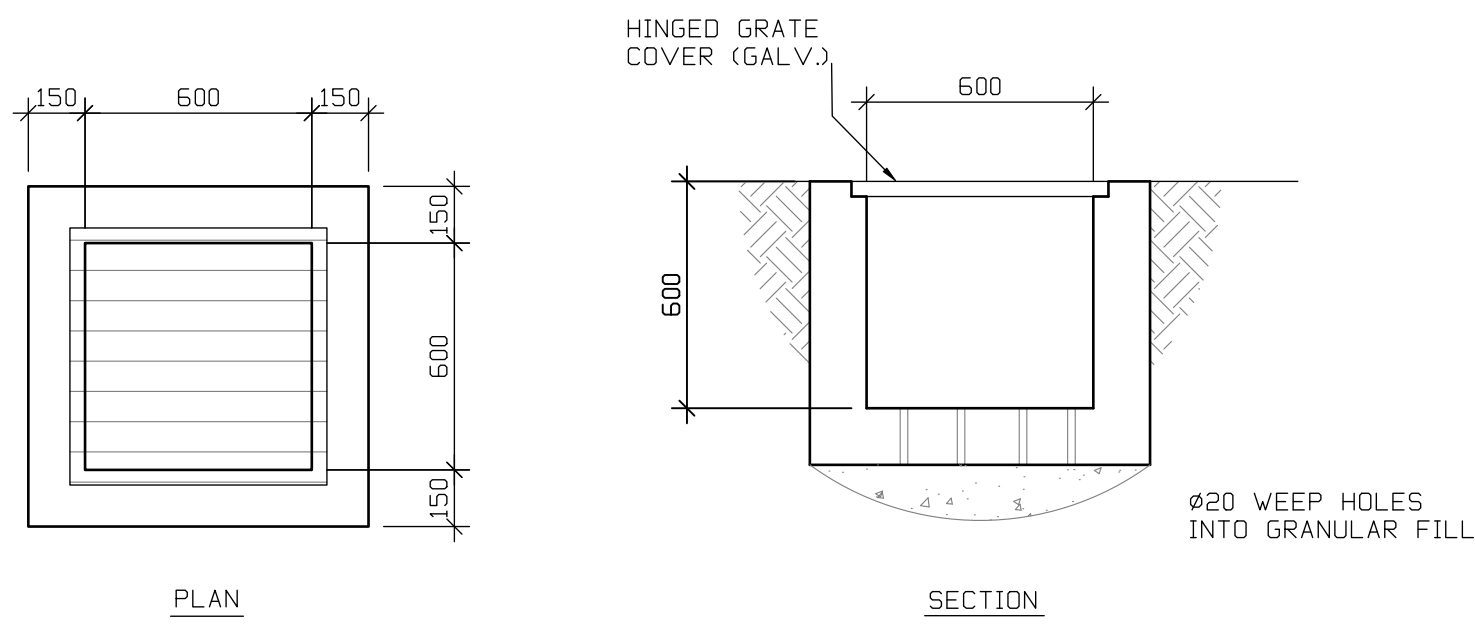
PIPELINES:
PIPELINES ARE SHOWN DIAGRAMATICALLY AND
ARE NOT NECESSARILY SHOWN IN ULTIMATE
POSITION OR PROJECTION.



GROUND FLOOR DRAINAGE PLAN
1:100

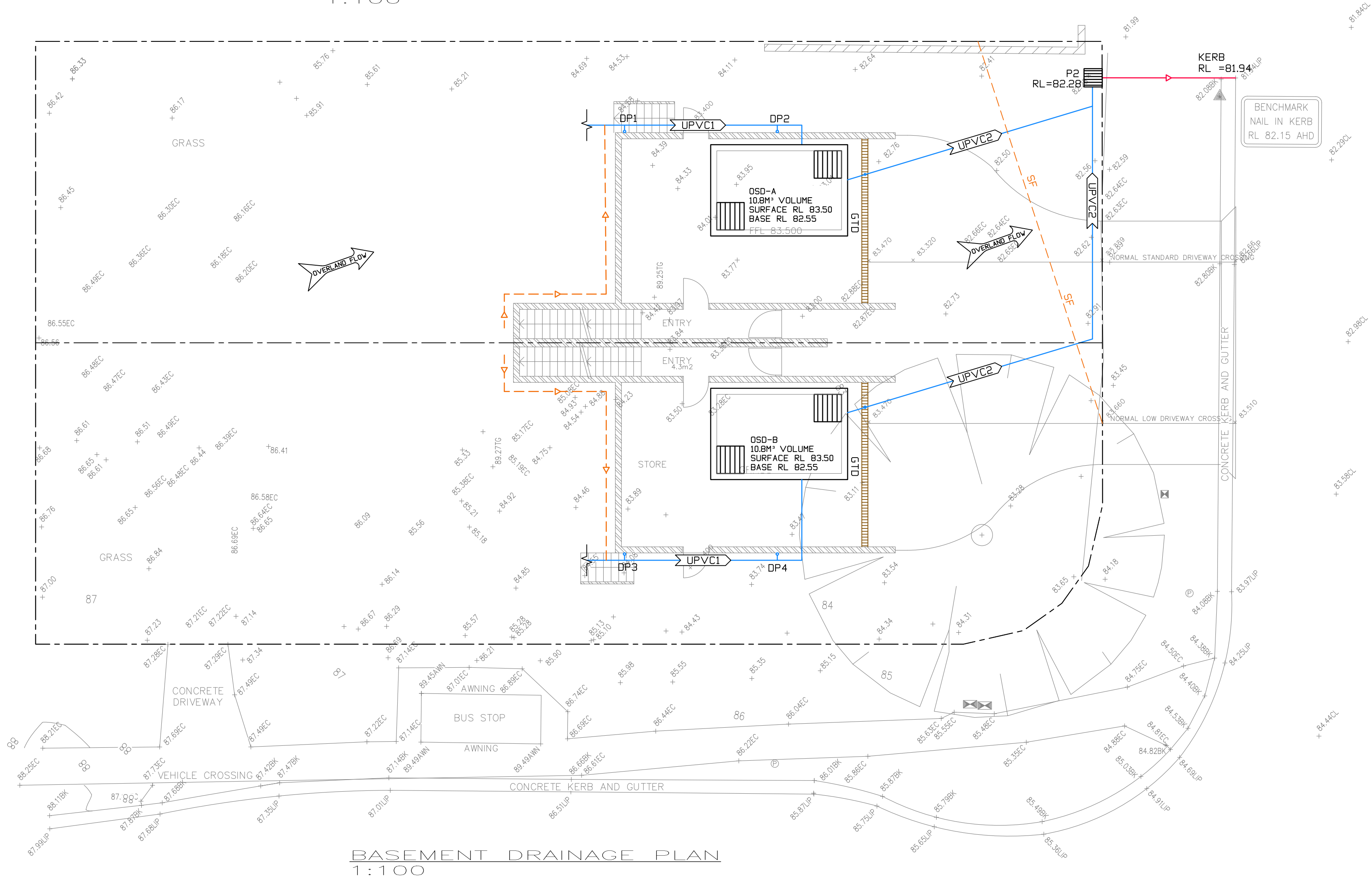


DETAILS OF SILT ARRESTER P1
1:20

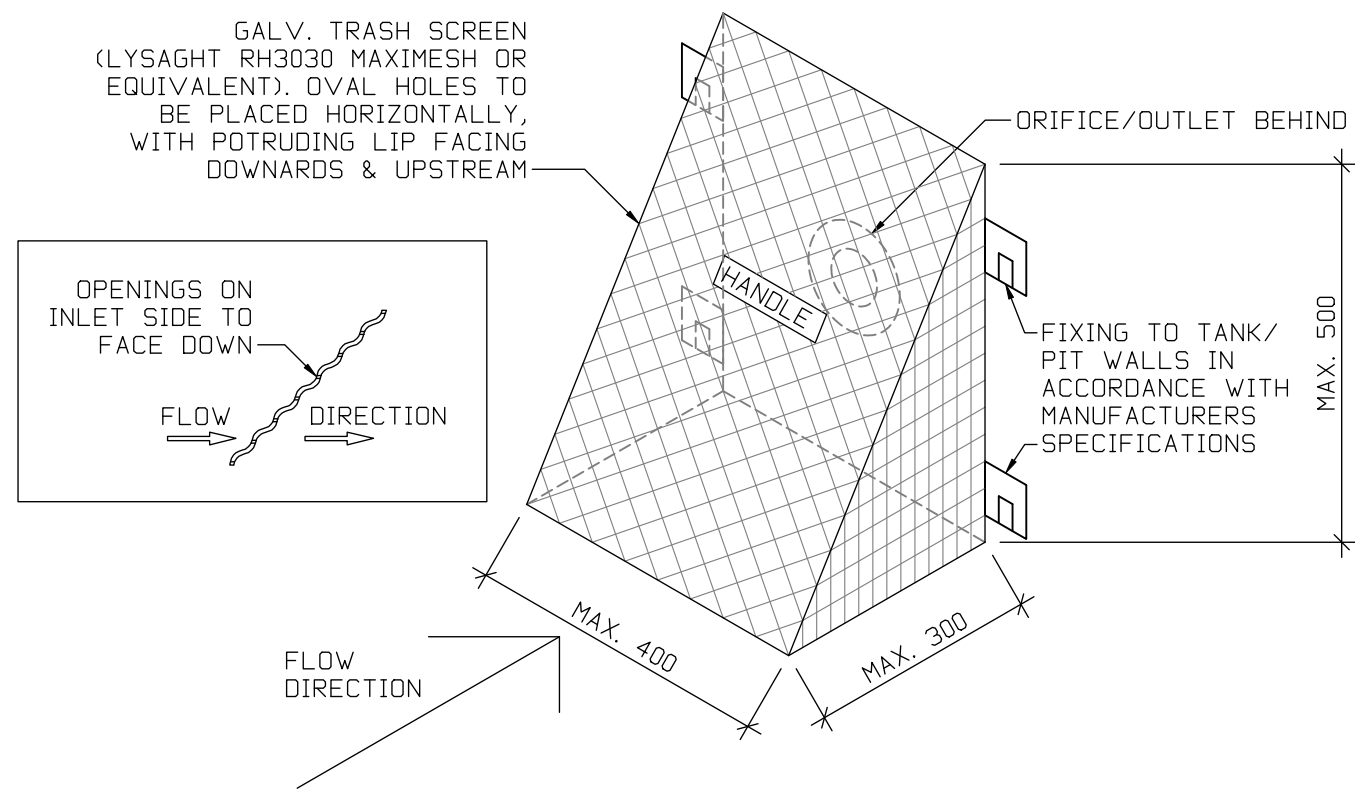


DETAILS OF SILT ARRESTER P2
1:20

MEMBER SCHEDULE	
DOWNPIPES & SPREADERS	
RH1-4	REFER TO RAIN HEAD DETAIL
DP1-6	Ø90 DOWNPIPE INTO OSD
GUTTERS	
BG1	300 (W) x 110 (D) BOX GUTTER DRAINING INTO OSD
EG1	EAVES GUTTER (MIN 7800mm² MIN. SLOPE 1:500) DRAINING INTO OSD
GROUND/FLOOR LEVEL DRAINAGE	
LSD	100 MM LINEAR STRIP DRAIN
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UPVC1	Ø100 UPVC STORMWATER PIPE (DRAINING ROOF AREAS INTO OSD)
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	Ø100 AG LINE
	EXISTING STORMWATER PIPE TO KERB
TANKS & PITS	
OSD	2/10.8L RAINWATER TANK 3 (w) x 4.5 (L) x 0.8 (h)
P1	450 x 450 PIT
P2	600 X 600 PIT
SF	REFER TO SEDIMENT FENCE DETAIL



BASEMENT DRAINAGE PLAN
1:100



TRIANGULAR MESH SCREEN DETAIL
NTS

STORMWATER PIPE
TO BE LAID IN ACCORDANCE WITH
TECHNICAL STANDARDS AS3500.3-2018 - PLUMBING
AND DRAINAGE STORMWATER DRAINAGE

PIPELINES:
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POSITION OR PROJECTION.

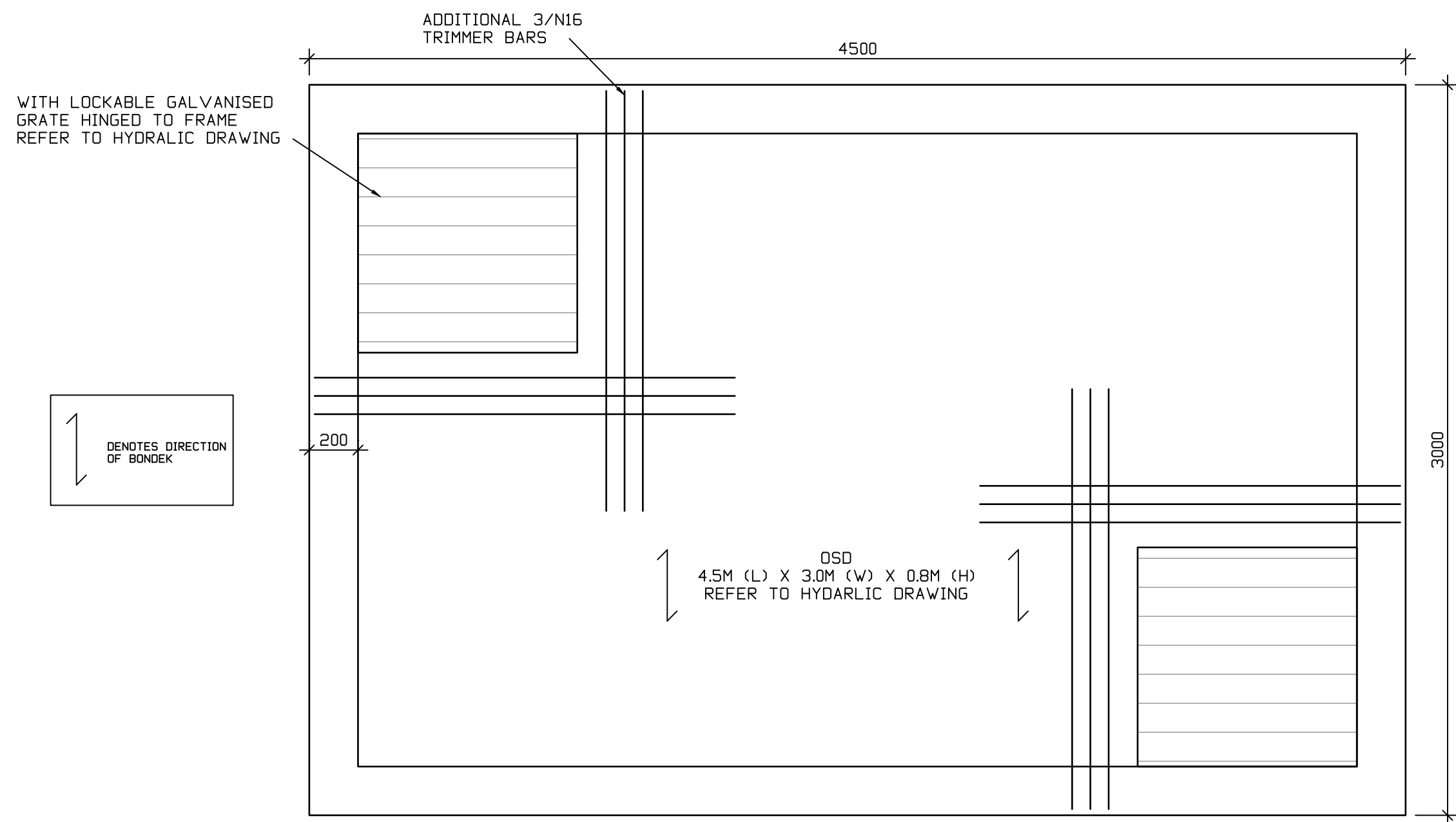
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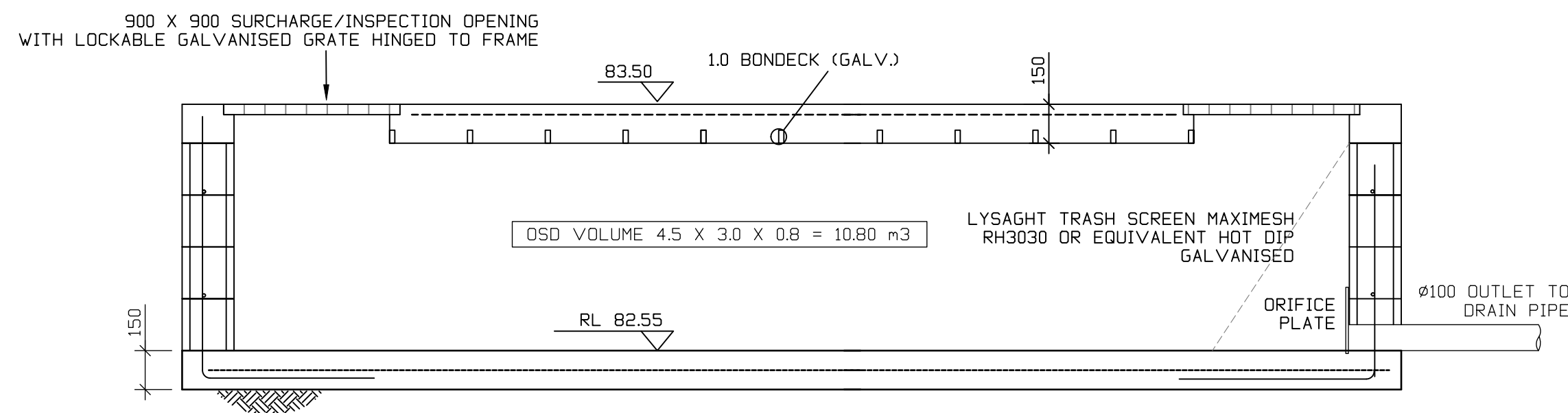


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Drawing No: 20-8487-SW	Size: A1	Approved: AS SHOWN



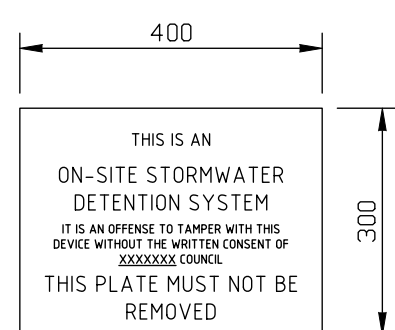
PLAN OF OSD
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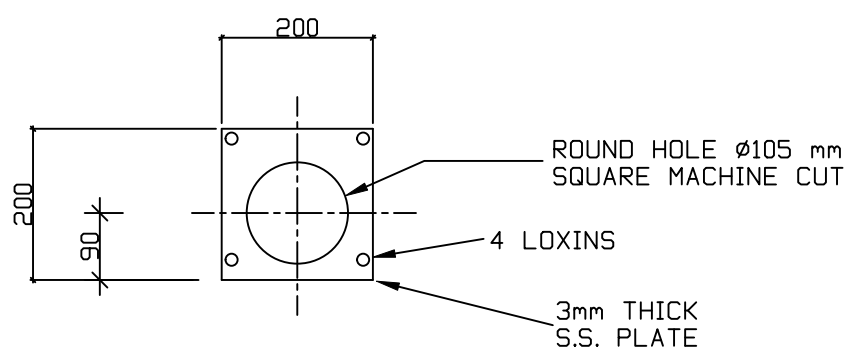
SECTION THRU OSD TANK
1:20



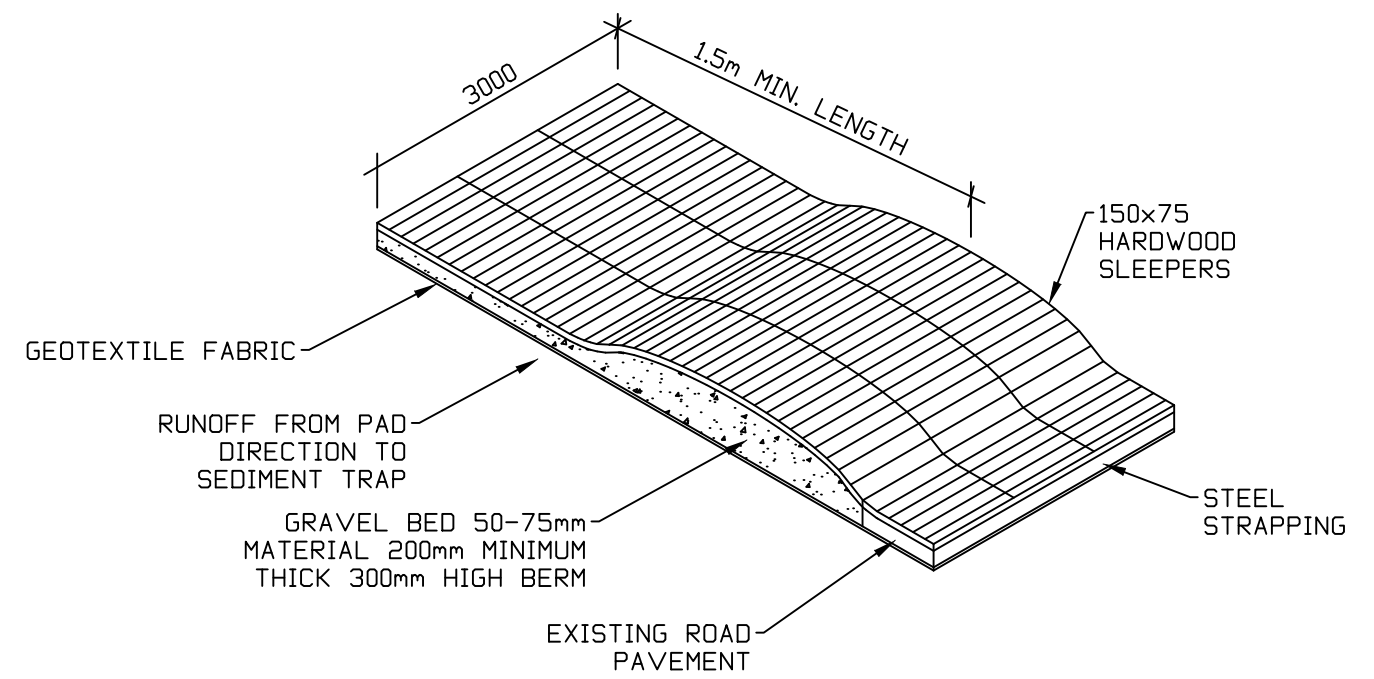
CONFINED SPACE SIGN
1:10



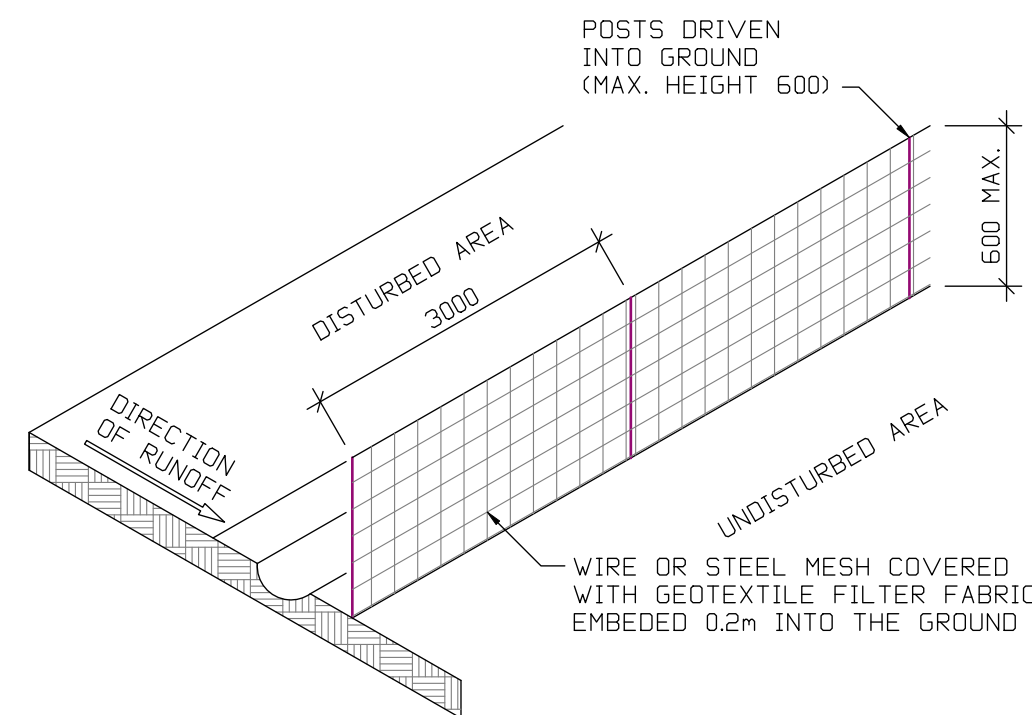
OSD SIGN
1:10



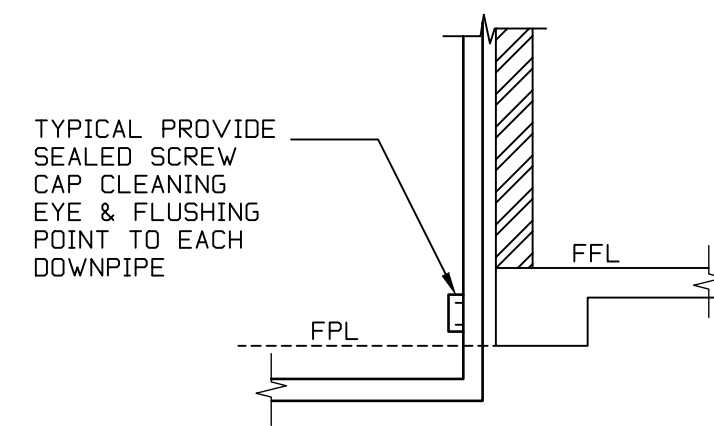
ORIFICE PLATE DETAIL
1:10



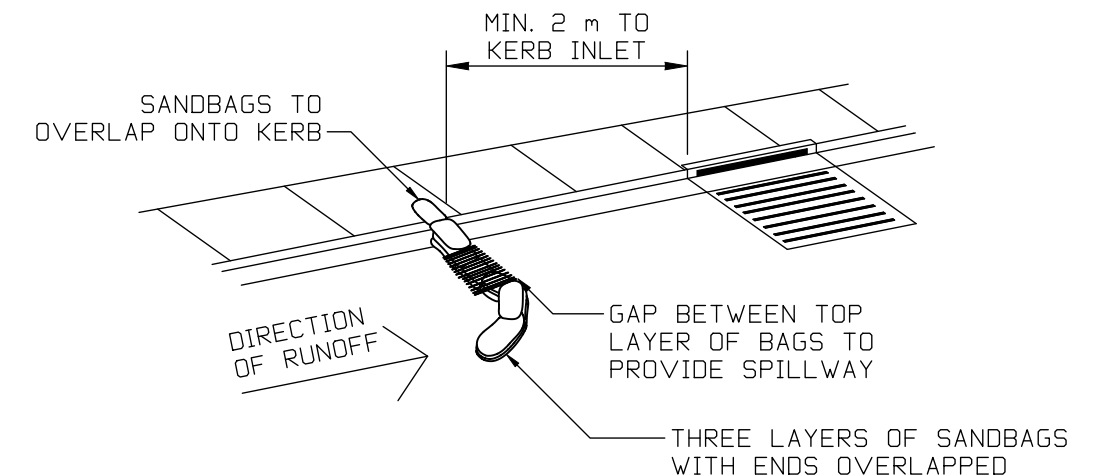
TEMPORARY CONSTRUCTION EXIT
N.T.S



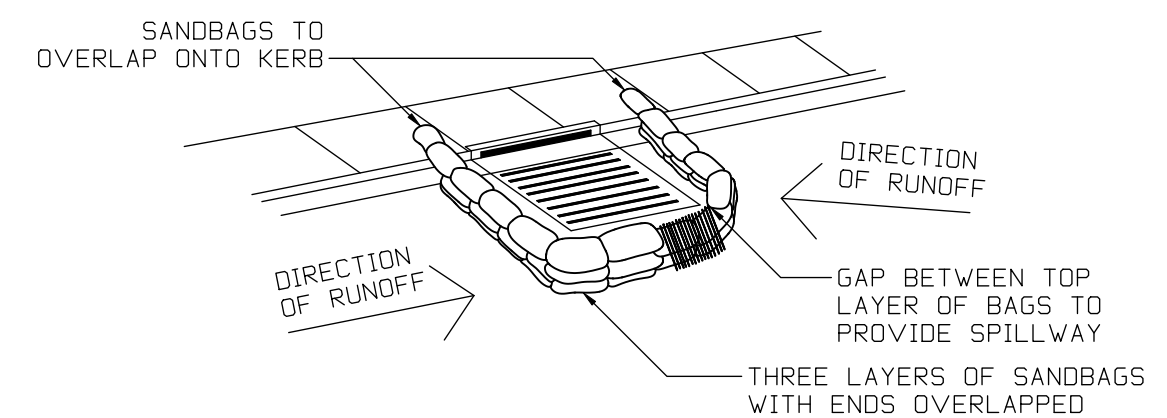
SEDIMENT FENCE DETAIL
NTS



TYPICAL DOWNPIPE DETAIL
N.T.S



SANDBAG SEDIMENT TRAP
FOR KERB INLET ON GRADE
NTS



SANDBAG SEDIMENT TRAP FOR
KERB INLET AT LOW POINT
NTS

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