118-120 STATION STREET, PENRITH PROPOSED MIXED USE DEVELOPMENT

STORMWATER CONCEPT PLANS



LOCALITY PLAN

DRAWING INDEX				
Drawing No.	DESCRIPTION			
000	COVER SHEET PLAN			
101	STORMWATER CONCEPT PLAN BASEMENT LEVEL 2 SHEET 1 OF 2			
102	STORMWATER CONCEPT PLAN BASEMENT LEVEL 2 SHEET 2 OF 2			
103	STORMWATER CONCEPT PLAN BASEMENT LEVEL 1			
104	STORMWATER CONCEPT PLAN			
105	ON-SITE DETENTION DETAILS AND CALCULATION SHEETS SHEET 1 OF 2			
106	ON-SITE DETENTION DETAILS AND CALCULATION SHEETS SHEET 2 OF 2			
107	MISCELLANEOUS DETAILS SHEET			

NOT FOR CONSTRUCTION

Certification By Dr. Anthony Hasham (NPER):

ARCHITECTURAL AMENDMENTS

ARCHITECTURAL AMENDMENTS

SSUE FOR DEVELOPMENT APPLICATION

Description

Date

Description

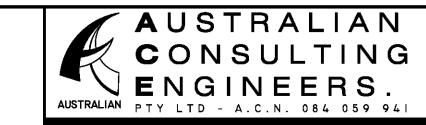
Certification By Dr. Anthony Hasham (NPER):

ARCHITECTURE DESIGN
STUDIO (NSW) PTY LTD

Council

Council

Penrith Council



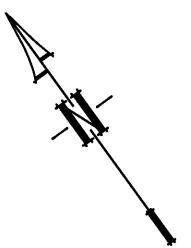
118-120 STATION STREET, PENRITH PROPOSED MIXED USE DEVELOPMENT STORMWATER CONCEPT PLANS DEVELOPMENT APPLICATION

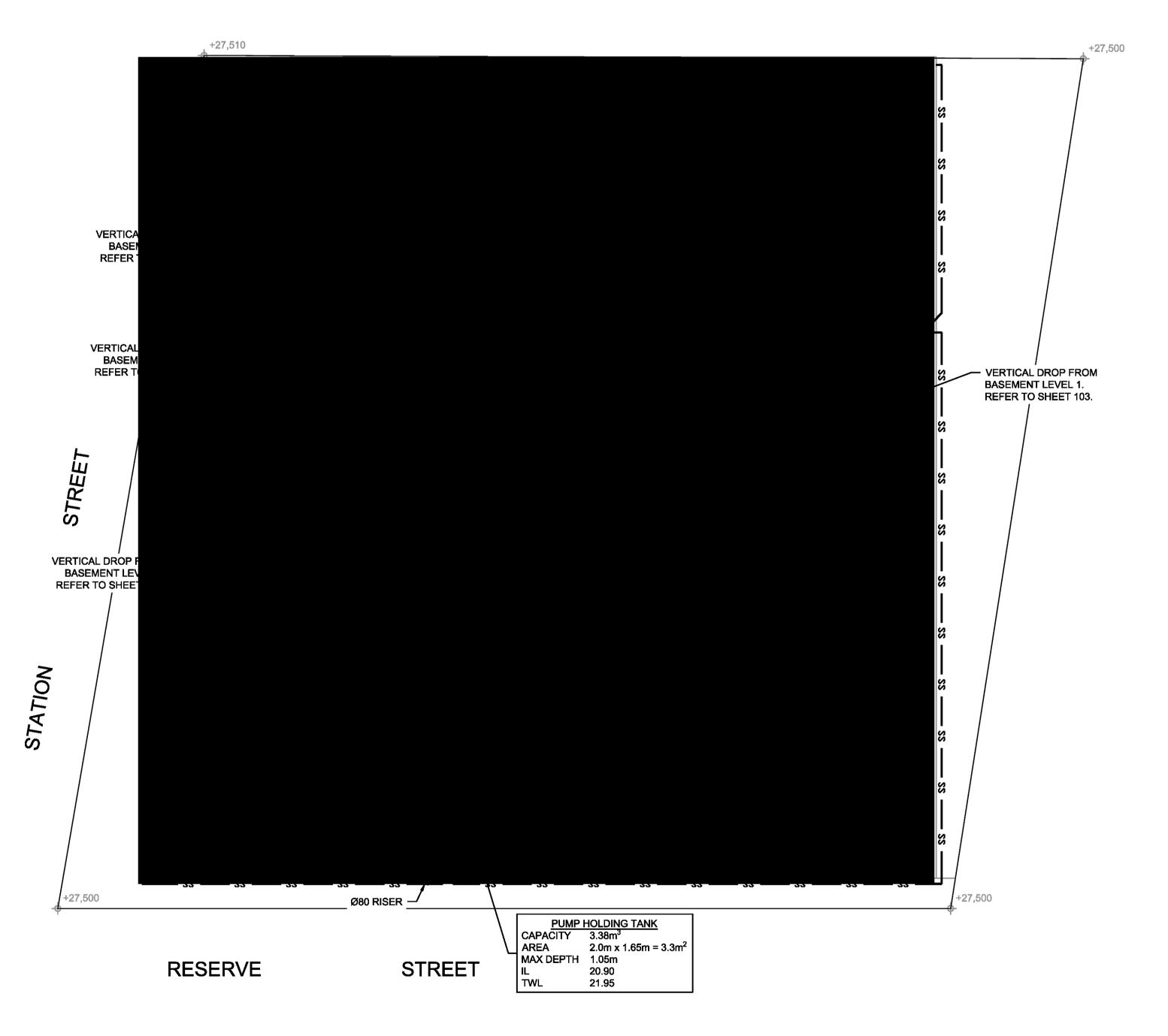
COVER SHEET PLAN

Scale A1 Project No.

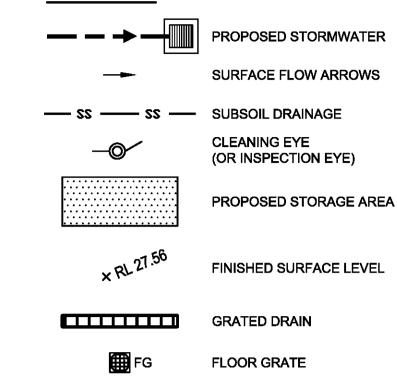
N.T.S. 200763 Dwg. No.

000





LEGEND



STANDARD PUMP OUT DESIGN NOTES

- THE PUMP OUT SYSTEM SHALL BE DESIGN TO BE OPERATED IN THE FOLLOWING MANNER: 1 - THE PUMP SHALL BE PROGRAMMED TO WORK ALTERNATELY TO ALLOW BOTH PUMPS TO HAVE AN EQUAL OPERATION LOAD AND PUMP LIFE.
- 2 A FLOAT SHALL BE PROVIDED TO ENSURE OF THE MINIMUM REQUIRED WATER LEVEL IS MAINTAINED WITHIN THE SUMP AREA OF THE BELOW GROUND TANK. IN THIS REGARD THIS FLOAT WILL FUNCTION AS AN OFF SWITCH FOR THE PUMPS AT THE MINIMUM WATER LEVEL. THE SAME FLOAT SHALL BE SET TO TURN ONE OF THE PUMPS ON UPON THE WATER LEVEL IN THE TANK RISING TO APPROXIMATELY 300mm ABOVE THE MINIMUM WATER LEVEL. THE PUMP SHALL OPERATE UNTIL THE TANK IS DRAINED TO THE MINIMUM WATER LEVEL.
- 3 A SECOND FLOAT SHALL BE PROVIDE AT A HIGH LEVEL, WHICH IS APPROXIMATELY THE ROOF LEVEL OF THE BELOW GROUND TANK. THIS FLOAT SHALL START THE OTHER PUMP THAT IS NOT OPERATING AND ACTIVATE THE ALARM.
- 4 AN ALARM SYSTEM SHALL BE PROVIDE WITH A FLASHING STROBE LIGHT AND A PUMP FAILURE WARNING SIGN WHICH ARE TO BE LOCATED AT THE DRIVEWAY ENTRANCE TO THE BASEMENT LEVEL THE ALARM SYSTEM SHALL BE PROVIDED WITH A BATTERY BACK-UP IN CASE OF POWER FAILURE.
- 5 A CONFINED SPACE DANGER SIGN SHALL BE PROVIDED AT ALL ACCESS POINT TO THE PUMP-OUT STORAGE TANK IN ACCORDANCE WITH THE UPPER PARRAMATA RIVER CATCHMENT TRUST OSD HANDBOOK.





BASEMENT PUMP OUT FAILURE WARNING SIGN SIGN SHALL BE PLACED IN A CLEAR AND VISIBLE LOCATION WHERE VEHICLES ENTER THE BASEMENT

BORDER AND OTHER LETTERING = BLACK



CONFINED SPACE DANGER SIGN

A) A CONFINED SPACE DANGER SIGN SHALL BE POSITIONED IN A LOCATION AT ALL ACCESS POINTS, SUCH THAT IT IS CLEARLY VISIBLE TO PERSONS PROPOSING TO ENTER THE BELOW GROUND TANK/S CONFINED SPACE.

B) MINIMUM DIMENSIONS OF THE SIGN - 300mm x 450mm (LARGE ENTRIES, SUCH AS DOORS) -250mm x 180mm (SMALL ENTRIES **SUCH AS GRATES & MANHOLES)**

C) THE SIGN SHALL BE MANUFACTURED FROM COLOUR BONDED ALUMINUM OR POLYPROPYLENE

D) SIGN SHALL BE AFFIXED USING SCREWS AT EACH CORNER OF

COLOURS:
"DANGER" & BACKGROUND = WHITE ELLIPTICAL AREA = RED RECTANGLE CONTAINING ELLIPSE = BLACK BORDER AND OTHER LETTERING = BLACK

NOT FOR CONSTRUCTION

ARCHITECTURE DESIGN STUDIO (NSW) PTY LTD ARCHITECTURAL AMENDMENTS 20/11/2020 | EHZ | JSF SCALE 1:100 @ A1 11/09/2020 | EHZ | JSF ISSUE FOR DEVELOPMENT APPLICATION **Penrith Council** Design Checked Issue Description

BASEMENT LEVEL 2 PLAN

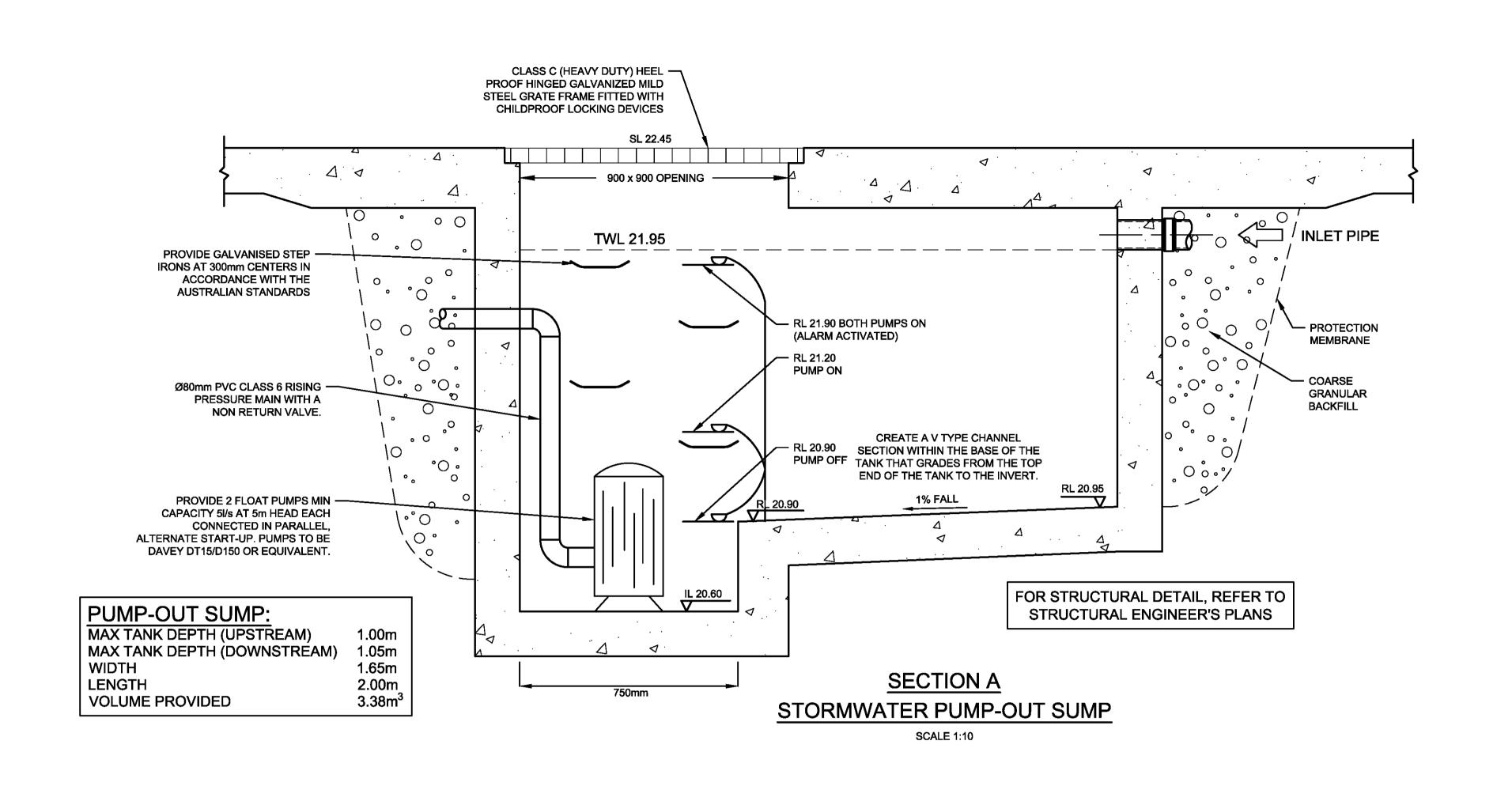
SCALE 1:100

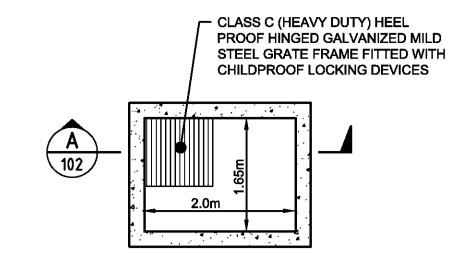
AUSTRALIAN ENGINEERS.

118-120 STATION STREET, PENRITH PROPOSED MIXED USE DEVELOPMENT BASEMENT LEVEL 2 STORMWATER CONCEPT PLANS **DEVELOPMENT APPLICATION**

STORMWATER CONCEPT PLAN SHEET 1 OF 2

200763 1:100 101





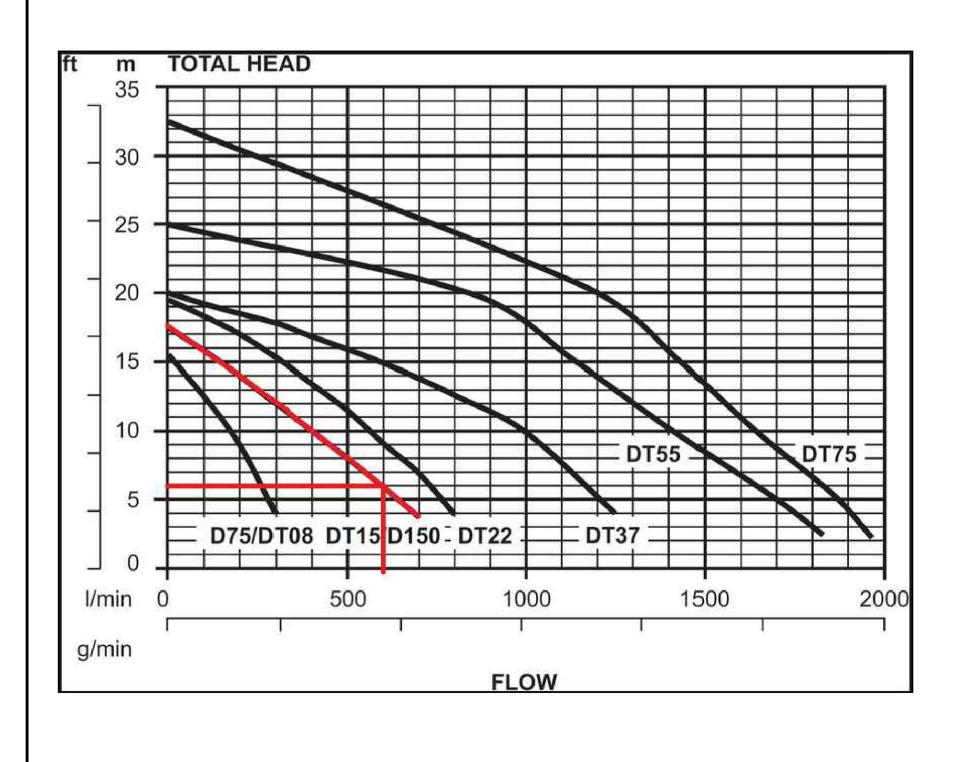
NOTE:

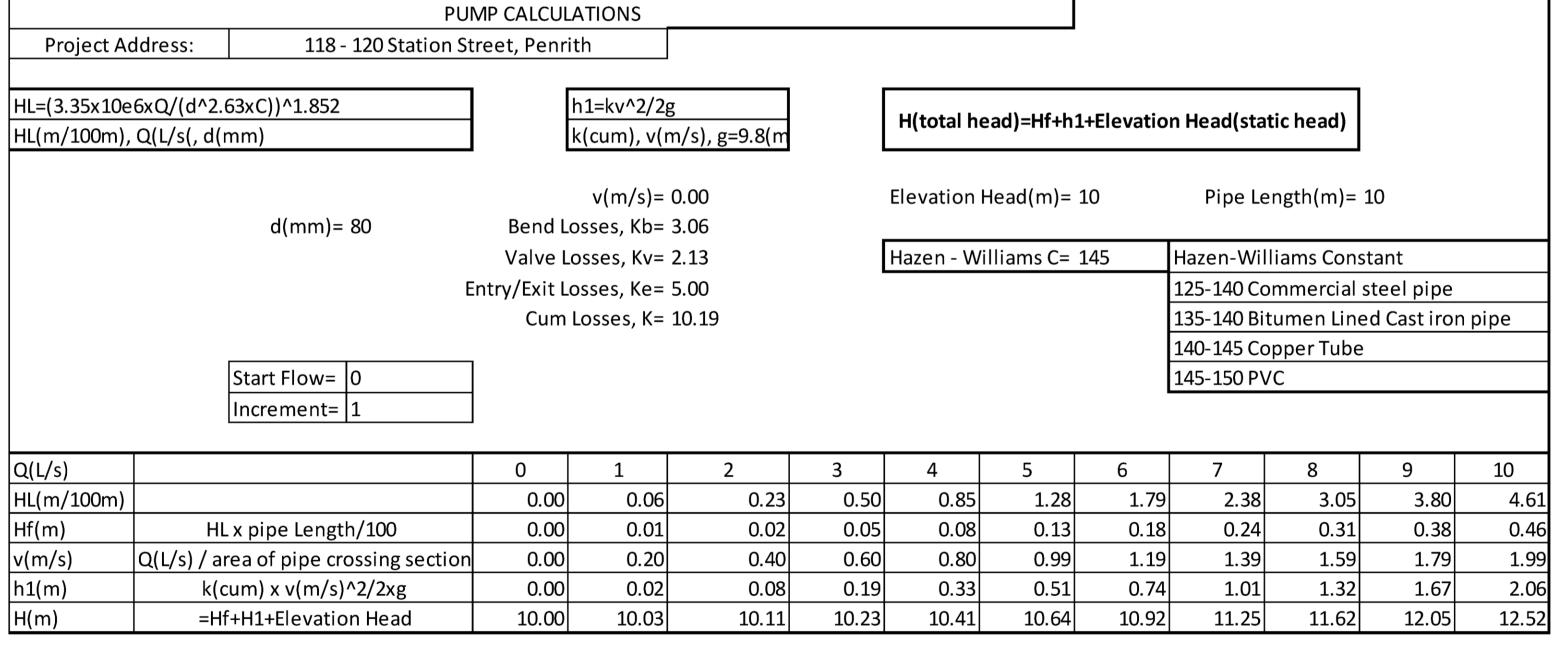
FOR ALL THE STRUCTURAL DETAILS, REFER TO STRUCTURAL ENGINEER'S PLAN. ALL THE AG LINES BEHIND BASEMENT WALLS TO BE CONNECTED TO PUMP-OUT SUMP.

PUMP-OUT SUMP DETAIL **PLAN VIEW** SCALE 1:50

PUMP STORAGE VOLUME CALCULATION

- $I_{100, 90 \text{ min}}$ = 55.75 mm/hour PUMP STORAGE CATCHMENT AREA: A = 38.2m² = 0.00382 ha • Q = C x I x A / 360 WHERE C = 1.0 (REFER TO AS3500.3.5.4.6 (a))
 - $= 1.0 \times 55.75 \times 0.00382 / 360$
 - $= 0.00059 \text{ m}^3/\text{s}$ = 0.59 L/s
- THEREFORE, THE PUMP HOLDING TANK VOLUME IS:
- $V = 0.59 \times 1.5 \times 3600$ $= 3.19 \text{ m}^3$
- TOTAL REQUIRED VOLUME IS 3.19m³



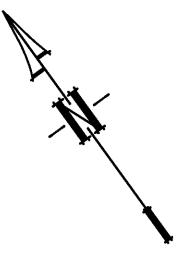


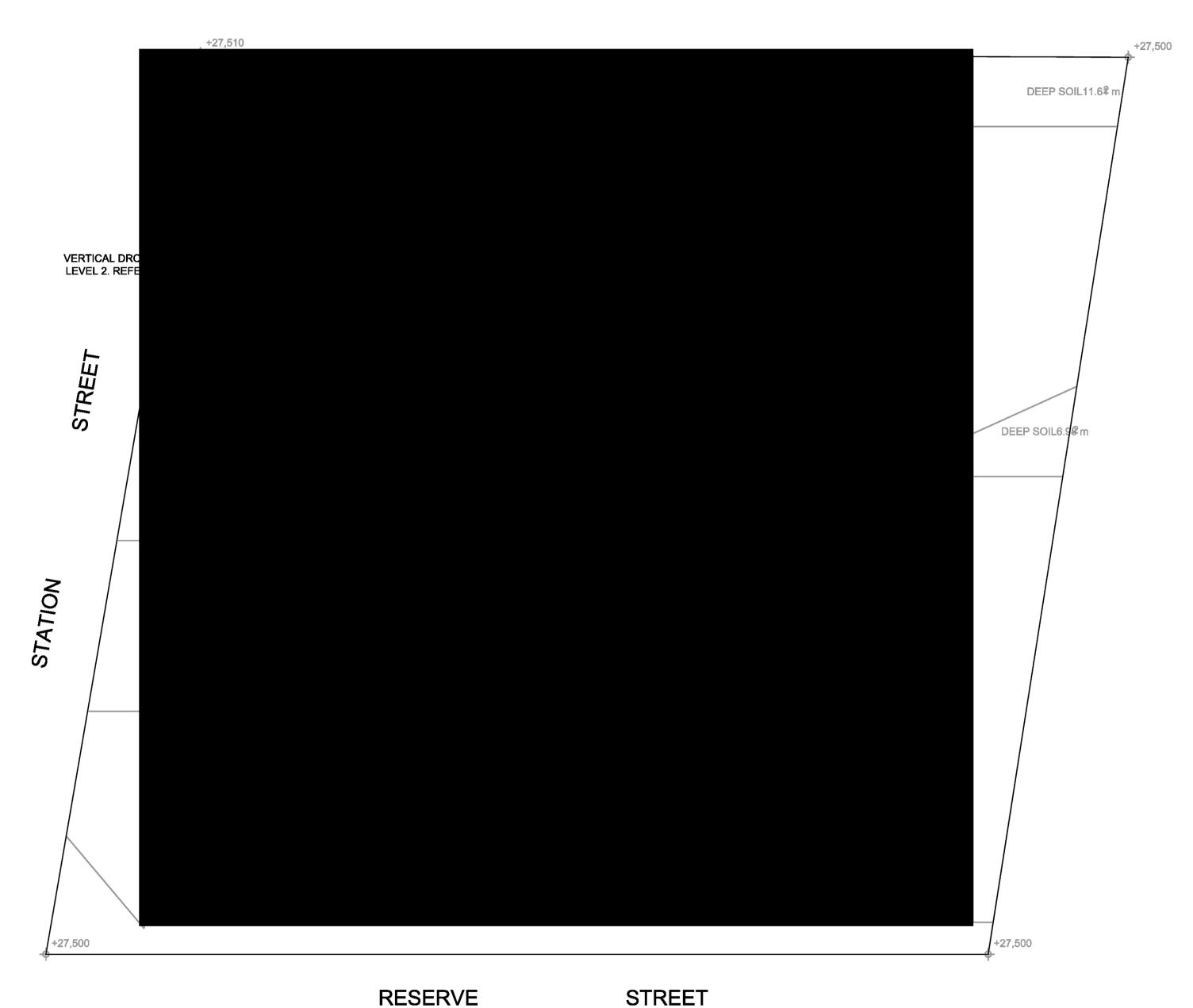
UNDERGROUND PUMP - OUT SUMP STAGED STORAGE CALCULATIONS

DEPTH (mm)	AREA (m²)	CUMULATIVE VOLUME (m³)
0	3.3	0
100	3.3	0.2475
200	3.3	0.5775
300	3.3	0.9075
400	3.3	1.2375
500	3.3	1.5675
600	3.3	1.8975
700	3.3	2.2275
800	3.3	2.5575
900	3.3	2.8875
1000	3.3	3.2175
1050	3.3	3.3825

NOT FOR CONSTRUCTION

		ARCHITECTURE DESIGN STUDIO (NSW) PTY LTD	Scale 0 200 400 600mm	AUSTRALIAN CONSULTING	118-120 STATION STREET, PENRITH PROPOSED MIXED USE DEVELOPMENT	STORMWATER CONCEPT PLAN
B ARCHITECTURAL AMENDMENTS A ISSUE FOR DEVELOPMENT APPLICATION	20/11/2020 EHZ JSF 11/09/2020 EHZ JSF	Council	SCALE 1:10 @ A1 0 1 2 3 m	ENGINEERS. AUSTRALIAN PTY LTD - A.C.N. 084 059 941	STORMWATER CONCEPT PLANS	SHEET 2 OF 2
Issue Description 0 1cm at full size 10cm	Date Design Checked	Penrith Council	SCALE 1:50 @ A1		DEVELOPMENT APPLICATION	Scale A1 Project No. Dwg. No. Issue AS Shown 200763 102

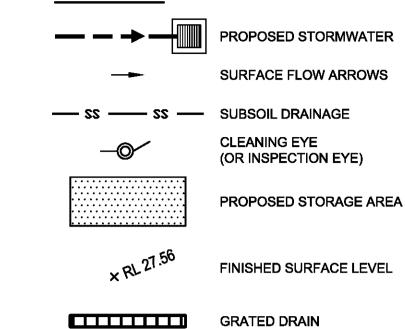




BASEMENT LEVEL 1 PLAN

SCALE 1:100

LEGEND



STANDARD PUMP OUT DESIGN NOTES

- THE PUMP OUT SYSTEM SHALL BE DESIGN TO BE OPERATED IN THE FOLLOWING MANNER: 1 - THE PUMP SHALL BE PROGRAMMED TO WORK ALTERNATELY TO ALLOW BOTH PUMPS TO HAVE AN EQUAL OPERATION LOAD AND PUMP LIFE.
- 2 A FLOAT SHALL BE PROVIDED TO ENSURE OF THE MINIMUM REQUIRED WATER LEVEL IS MAINTAINED WITHIN THE SUMP AREA OF THE BELOW GROUND TANK. IN THIS REGARD THIS FLOAT WILL FUNCTION AS AN OFF SWITCH FOR THE PUMPS AT THE MINIMUM WATER LEVEL. THE SAME FLOAT SHALL BE SET TO TURN ONE OF THE PUMPS ON UPON THE WATER LEVEL IN THE TANK RISING TO APPROXIMATELY 300mm ABOVE THE MINIMUM WATER LEVEL. THE PUMP SHALL OPERATE UNTIL THE TANK IS DRAINED TO THE MINIMUM WATER LEVEL.
- 3 A SECOND FLOAT SHALL BE PROVIDE AT A HIGH LEVEL, WHICH IS APPROXIMATELY THE ROOF LEVEL OF THE BELOW GROUND TANK. THIS FLOAT SHALL START THE OTHER PUMP THAT IS NOT OPERATING AND ACTIVATE THE ALARM.
- 4 AN ALARM SYSTEM SHALL BE PROVIDE WITH A FLASHING STROBE LIGHT AND A PUMP FAILURE WARNING SIGN WHICH ARE TO BE LOCATED AT THE DRIVEWAY ENTRANCE TO THE BASEMENT LEVEL THE ALARM SYSTEM SHALL BE PROVIDED WITH A BATTERY BACK-UP IN CASE OF POWER FAILURE.
- 5 A CONFINED SPACE DANGER SIGN SHALL BE PROVIDED AT ALL ACCESS POINT TO THE PUMP-OUT STORAGE TANK IN ACCORDANCE WITH THE UPPER PARRAMATA RIVER CATCHMENT TRUST OSD HANDBOOK.



FLOOR GRATE



AND SIREN SOUNDING

BASEMENT PUMP OUT FAILURE WARNING SIGN SIGN SHALL BE PLACED IN A CLEAR AND VISIBLE

LOCATION WHERE VEHICLES ENTER THE BASEMENT

BORDER AND OTHER LETTERING = BLACK



CONFINED SPACE DANGER SIGN

A) A CONFINED SPACE DANGER SIGN SHALL BE POSITIONED IN A LOCATION AT ALL ACCESS POINTS, SUCH THAT IT IS CLEARLY VISIBLE TO PERSONS PROPOSING TO ENTER THE BELOW GROUND TANK/S CONFINED SPACE.

B) MINIMUM DIMENSIONS OF THE SIGN - 300mm x 450mm (LARGE ENTRIES, SUCH AS DOORS) -250mm x 180mm (SMALL ENTRIES SUCH AS GRATES & MANHOLES)

C) THE SIGN SHALL BE MANUFACTURED FROM COLOUR BONDED ALUMINUM OR POLYPROPYLENE

D) SIGN SHALL BE AFFIXED USING SCREWS AT EACH CORNER OF

COLOURS:
"DANGER" & BACKGROUND = WHITE ELLIPTICAL AREA = RED RECTANGLE CONTAINING ELLIPSE = BLACK BORDER AND OTHER LETTERING = BLACK

NOT FOR CONSTRUCTION

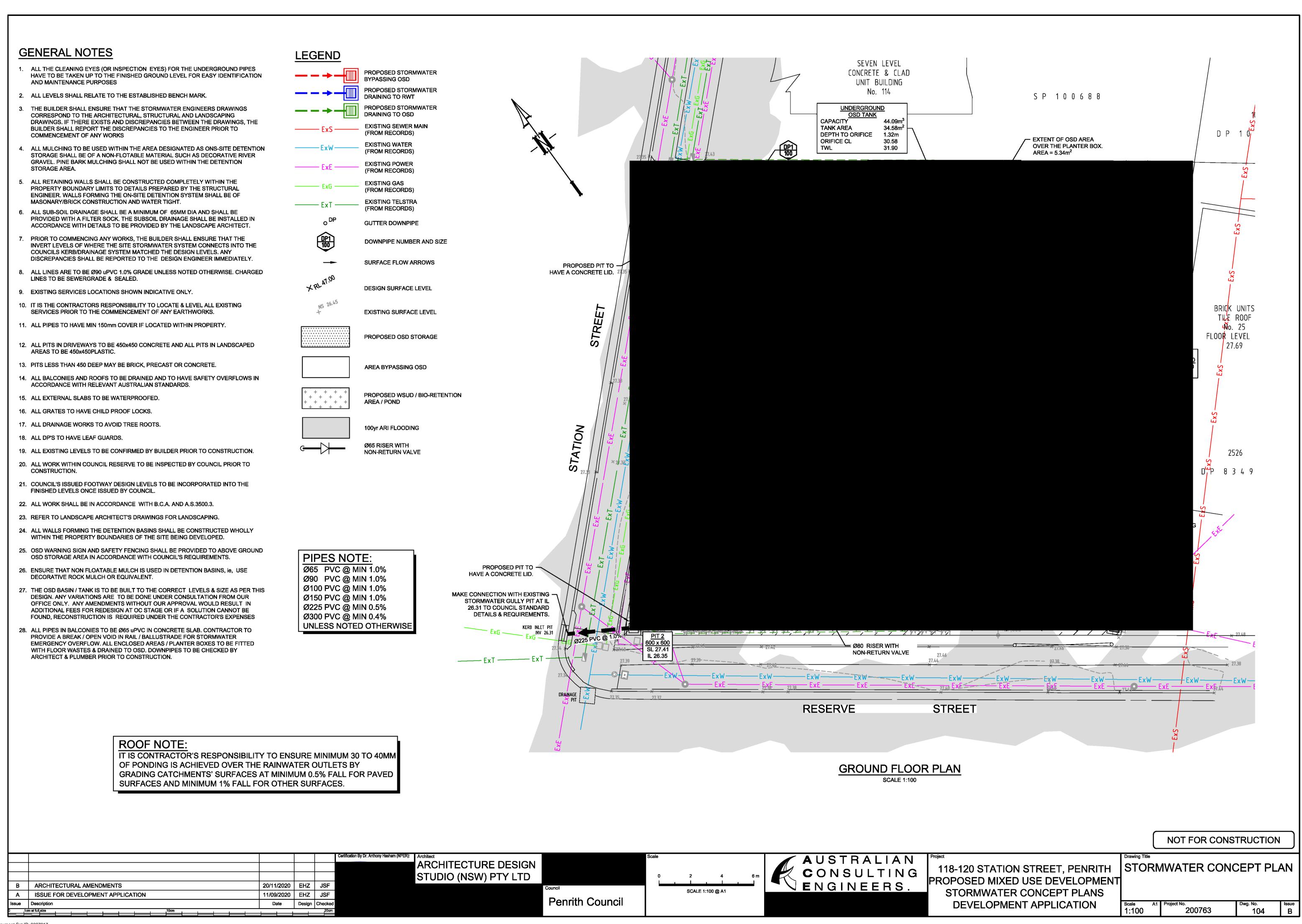
STORMWATER CONCEPT PLAN BASEMENT LEVEL 1

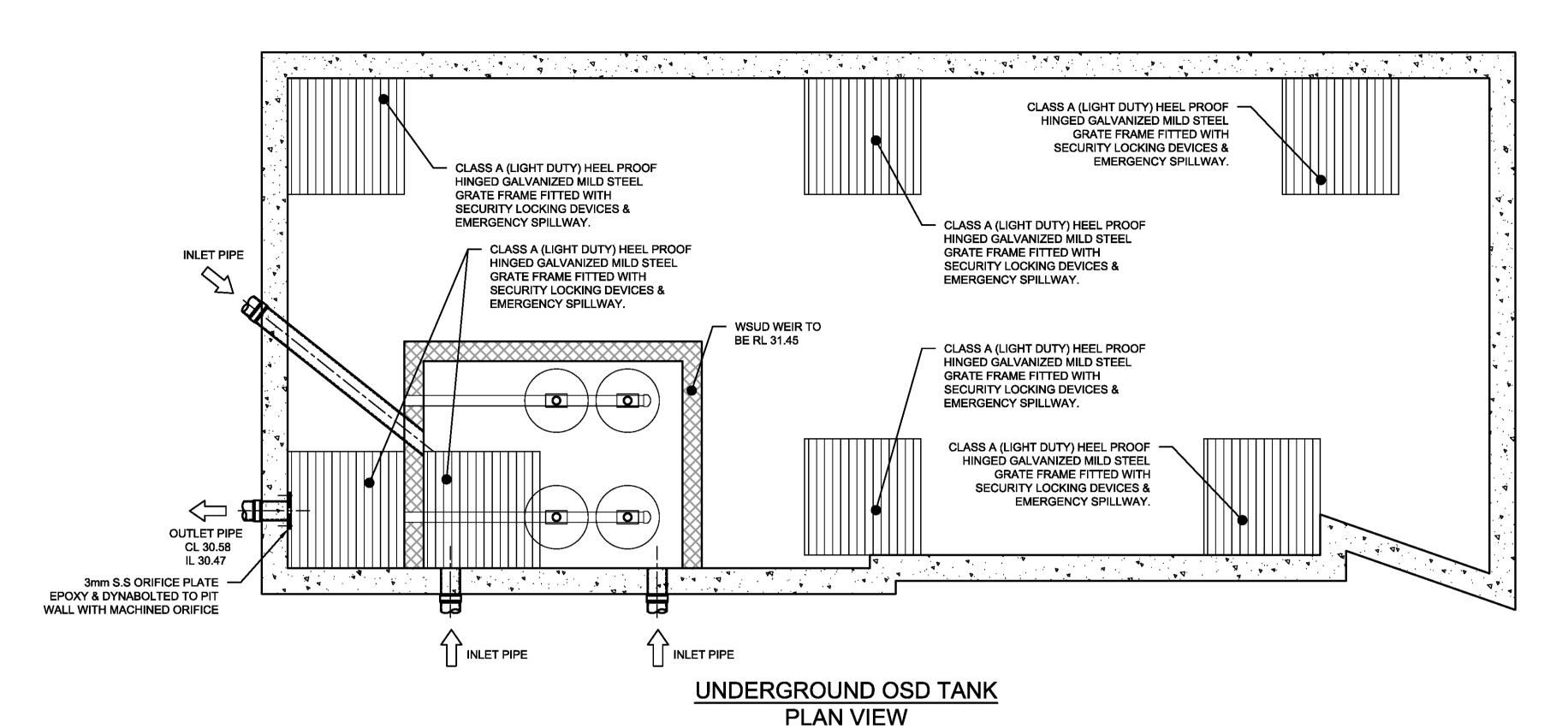
200763 103 1:100

ARCHITECTURE DESIGN STUDIO (NSW) PTY LTD ARCHITECTURAL AMENDMENTS 20/11/2020 | EHZ | JSF 11/09/2020 | EHZ | JSF ISSUE FOR DEVELOPMENT APPLICATION **Penrith Council** Design Checked Issue Description

AUSTRALIAN SCALE 1:100 @ A1

CONSULTING V ENGINEERS.

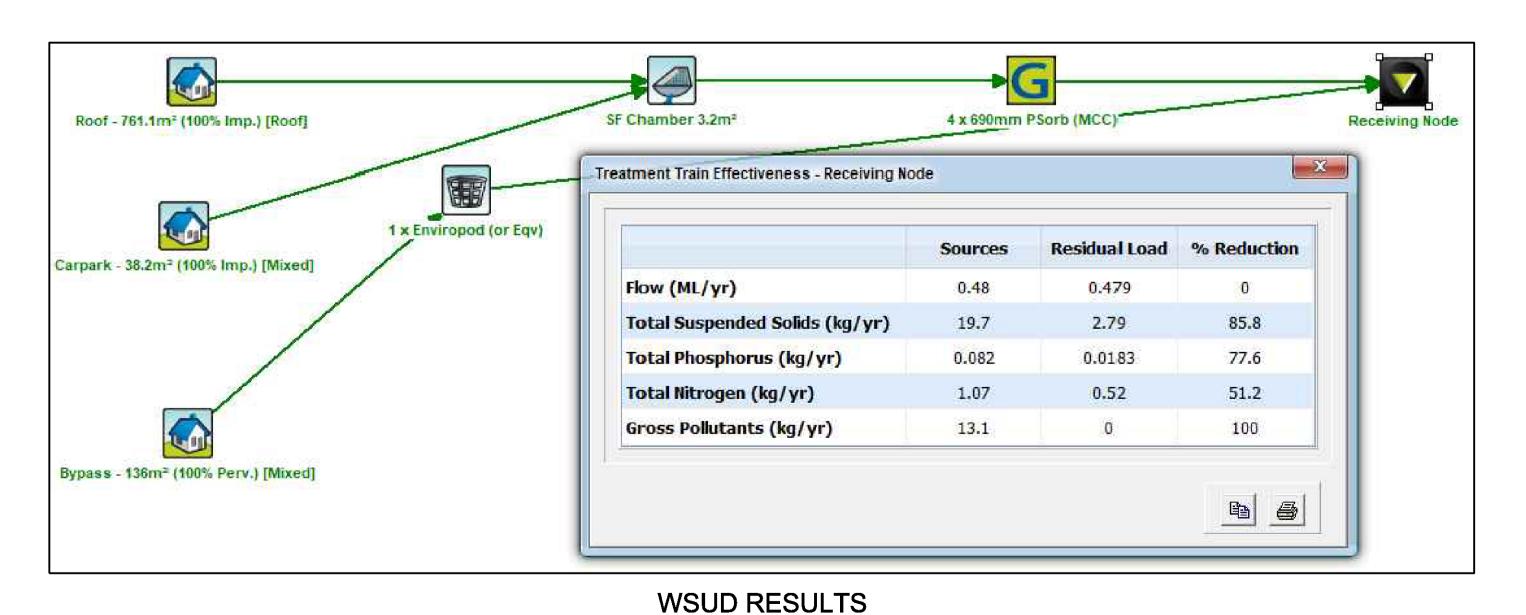




STORMFILTER DESIGN TABLE

- STORMFILTER TREATMENT CAPACITY VARIES BY NUMBER OF FILTER CARTRIDGES INSTALLED AND BY REGION SPECIFIC
- INTERNAL FLOW CONTROLS. CONVEYANCE CAPACITY IS RATED AT 80L/S.
- THE STANDARD CONFIGURATION IS SHOWN. ACTUAL CONFIGURATION OF THE SPECIFIED STRUCTURE(S) PER CIVIL ENGINEER WILL BE SHOWN ON SUBMITTAL DRAWING(S).
- ALL PARTS PROVIDED AND INTERNAL ASSEMBLY BY STORMWATER360 AUSTRALIA UNLESS OTHERWISE NOTED.

CARTRIDGE HEIGHT	69	90	46	30	31	0
SYSTEM HYDRAULIC DROP (H - REQ'D. MIN.)	93	30	70	00	55	i0
TREATMENT BY MEDIA SURFACE AREA L/S/m2	1.4	0.7	1.4	0.7	1.4	0.7
CARTRIDGE FLOW RATE (L/s)	1.42	0.71	0.95	0.47	0.63	0.32



OSD CALCULATIONS:

SITE AREA $= 935.3 \text{ m}^2$

= 0.09353 ha

= 49.9 l/s/ha PSD SSR $= 440.5 \, \text{m}^3/\text{ha}$

THEREFORE:

 $= 49.9 \times 0.09353$

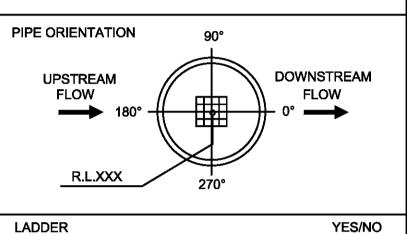
= 4.67 l/s

 $= 440.5 \times 0.09353$ $= 41.20 \text{ m}^3$

SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID	1
WATER QUALITY FLOW RATE (L/S)	3.3
PEAK FLOW RATE (L/S)	83
RETURN PERIOD OF PEAK FLOW (yrs)	XXX
# OF CARTRIDGES REQUIRED (8-22)	12
CARTRIDGE HEIGHT (310, 460 or 690mm)	690
MEDIA TYPE (PERLITE, PERLITE/ZEOLITE OR ZPG)	ZPG

PRECAST VAUL	2524 kg		
PRECAST LID W	547 kg		
PIPE DATA:	I.L.	MATERIAL	DIAMETER
INLET PIPE #1		PVC	
INLET PIPE #2		N/A	
OUTLET PIPE		PVC	
_			



N/A N/A STORMFILTER TABLE

N/A

N/A

GENERAL NOTES

ANTI-FLOTATION BALLAST

- 1. INLET AND OUTLET PIPING SHALL BE SPECIFIED BY SITE CIVIL ENGINEER (SEE PLANS) AND PROVIDED BY CONTRACTOR. STORMFILTER IS PROVIDED WITH OPENINGS
- AT INLET AND OUTLET LOCATIONS. 2. IF THE PEAK FLOW RATE, AS DETERMINED BY THE SITE CIVIL ENGINEER, EXCEEDS THE PEAK HYDRAULIC CAPACITY OF THE PRODUCT, AN UPSTREAM BYPASS STRUCTURE IS REQUIRED. PLEASE CONTACT STORMWATER360 FOR OPTIONS.
- 3. THE FILTER CARTRIDGE(S) ARE SIPHON-ACTUATED AND SELF-CLEANING. THE STANDARD DETAIL DRAWING SHOWS THE MAXIMUM NUMBER OF CARTRIDGES. THE ACTUAL NUMBER SHALL BE SPECIFIED BY THE SITE CIVIL ENGINEER ON SITE PLANS OR IN DATA TABLE BELOW. PRECAST STRUCTURE TO BE CONSTRUCTED IN ACCORDANCE WITH AS3600.
- 4. FOR SHALLOW, LOW DROP OR SPECIAL DESIGN CONSTRAINTS, CONTACT STORMWATER360 FOR DESIGN OPTIONS.
- 5. ALL WATER QUALITY PRODUCTS REQUIRE PERIODIC MAINTENANCE AS OUTLINED IN THE O&M GUIDELINES. PROVIDE MINIMUM **CLEARANCE FOR MAINTENANCE ACCESS**
- 6. STRUCTURE AND ACCESS COVERS DESIGNED TO MEET
- AUSTROADS T44 LOAD RATING WITH 0-2m FILL MAXIMUM. 7. THE STRUCTURE THICKNESSES SHOWN ARE FOR
- REPRESENTATIONAL PURPOSES AND VARY REGIONALLY. 8. ANY BACKFILL DEPTH, SUB-BASE, AND OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY SITE CIVIL ENGINEER.
- 9.. STORMFILTER BY STORMWATER360: SYDNEY (AU) PHONE: (02) 9525 5833, BRISBANE (AU) PHONE: (07) 3272 1872.

ORIFICE CALCULATIONS:

 $Q = C \times A \times (2 \times g \times h)^{0.5}$

SO: $A = Q / (C \times sqrt(2 \times g \times h))$

 $= 0.00467 / (0.61 \times \text{sqrt}(2 \times 9.81 \times 1.32))$ $= 0.001504 \text{ m}^2$

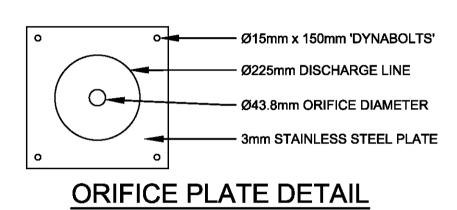
THEREFORE:

 $= sqrt(4 \times A / pi)$ $= sqrt(4 \times 0.001504 / 3.14159)$

= 43.8 mm

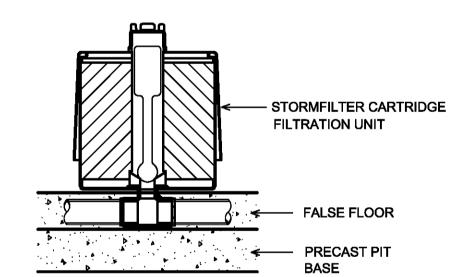
UNDERGROUND OSD TANK STAGED STORAGE CALCULATIONS

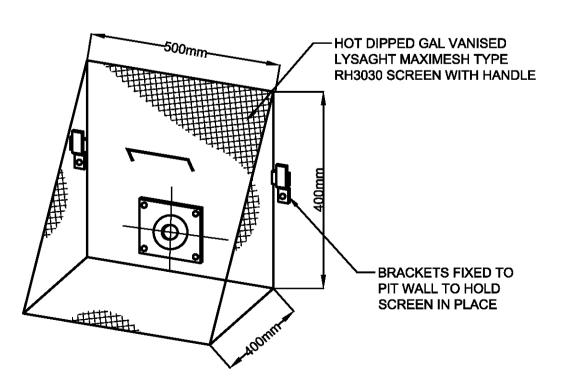
DEPTH (mm)	AREA (m²)	CUMULATIVE VOLUME (m³)
0	34.58	0
100	34.58	1.9019
200	34.58	5.3599
300	34.58	8.8179
400	34.58	12.2759
500	34.58	15.7339
600	34.58	19.1919
700	34.58	22.6499
800	34.58	26.1079
900	34.58	29.5659
1000	34.58	33.0239
1100	34.58	36.4819
1200	34.58	39.9399
1300	34.58	43.3979
1320	34.58	44.0895



SCALE 1:10

SYSTEM HYDRAULIC DROP CARTRIDGE FLOW RATE





TRASH SCREEN DETAIL

As Shown

NOT FOR CONSTRUCTION

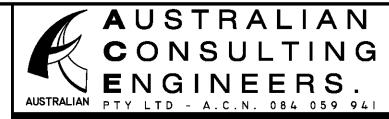
105

ARCHITECTURAL AMENDMENTS 20/11/2020 | EHZ | JSF 11/09/2020 | EHZ | JSF ISSUE FOR DEVELOPMENT APPLICATION Design Checked Description

ARCHITECTURE DESIGN STUDIO (NSW) PTY LTD

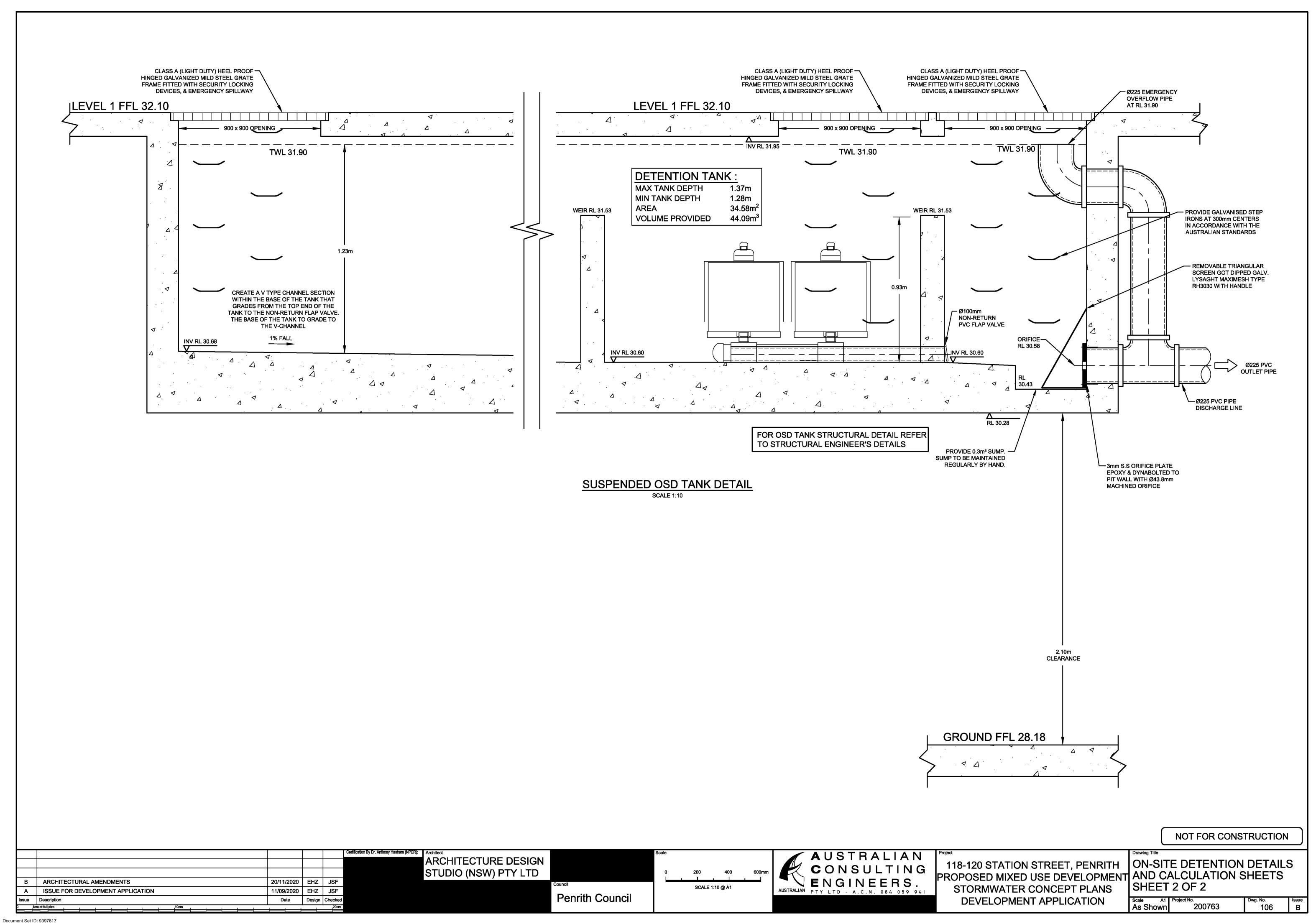
Penrith Council

0 0.2 0.4 0.6 0.8 1.0 1.2m SCALE 1:25 @ A1



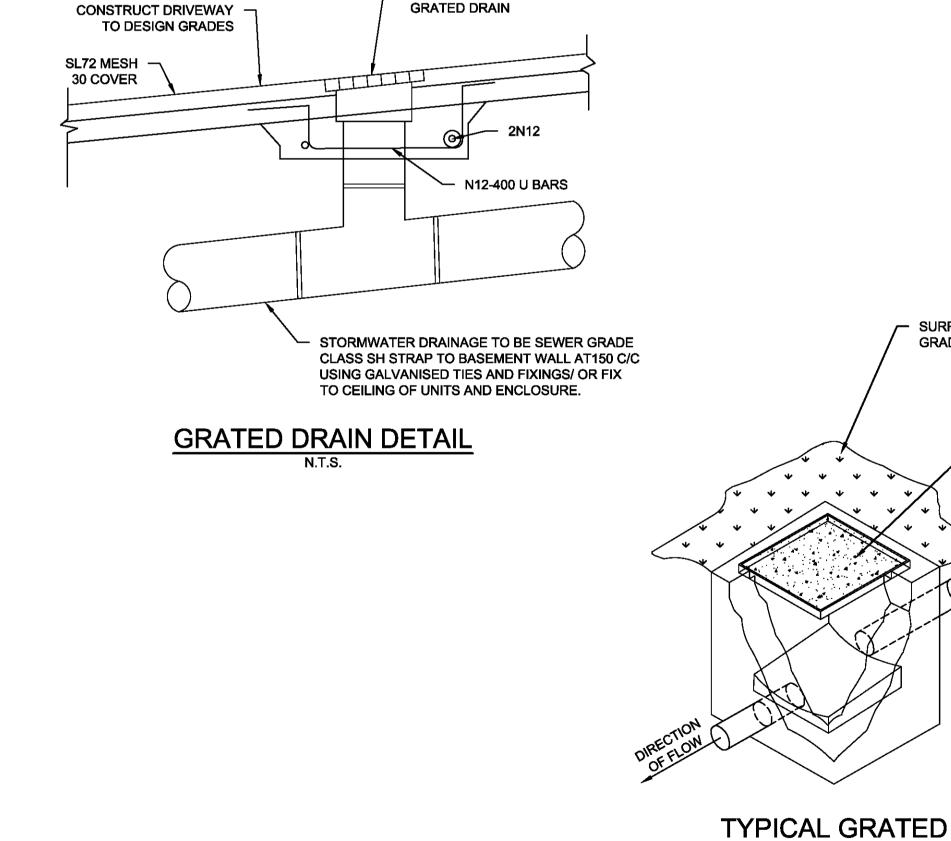
118-120 STATION STREET, PENRITH PROPOSED MIXED USE DEVELOPMENT AND CALCULATION SHEETS STORMWATER CONCEPT PLANS **DEVELOPMENT APPLICATION**

ON-SITE DETENTION DETAILS SHEET 1 OF 2

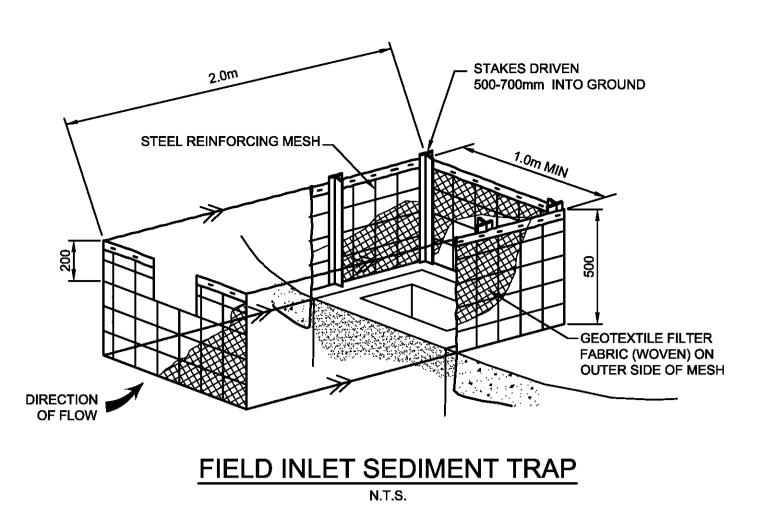


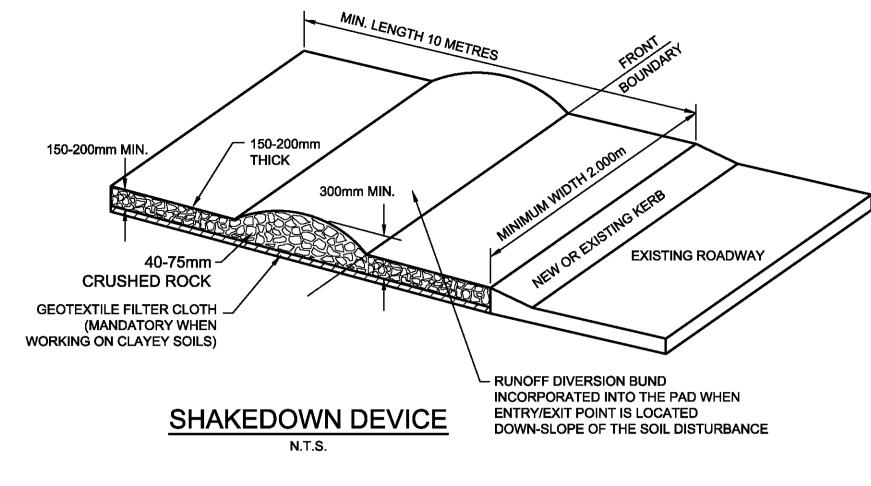
SEDIMENT & EROSION NOTES

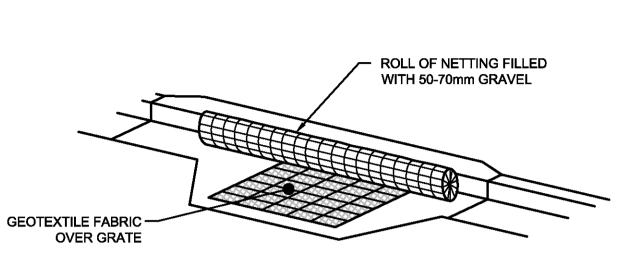
- IMMEDIATELY FOLLOWING SETTING OUT OF THE WORKS, BUT PRIOR TO COMMENCEMENT OF ANY CLEARING OR EARTHWORKS, THE CONTRACTOR AND SUPERINTENDENT SHALL WALK THE SITE TO NOMINATE THE LOCATIONS AND TYPES OF SEDIMENT AND EROSION CONTROL MEASURES TO BE ADOPTED. THESE MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY CLEARING OR EARTHWORKS AND MAINTAINED UNTIL THE WORKS ARE COMPLETED AND NO LONGER POSE AN EROSION HAZARD, UNLESS OTHERWISE APPROVED BY THE SUPERINTENDENT.
- 2. IMMEDIATELY FOLLOWING SETTING OUT OF THE WORKS, BUT PRIOR TO COMMENCEMENT OF ANY CLEARING OR EARTHWORKS, THE CONTRACTOR AND SUPERINTENDENT SHALL WALK THE SITE TO IDENTIFY AND MARK TREES WHICH ARE TO BE PRESERVED. NOTWITHSTANDING THE ABOVE, THE CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO MINIMISE DISTURBANCE TO EXISTING VEGETATION AND GROUND COVER OUTSIDE THE MINIMUM AREAS REQUIRED TO COMPLETE THE WORKS AND SHALL BE RESPONSIBLE FOR RECTIFICATION, AT ITS OWN COST, OF ANY DISTURBANCE BEYOND THOSE AREAS.
- 3. PROVIDE GULLY GRATE INLET SEDIMENT TRAPS AT ALL GULLY PITS.
- 4. PROVIDE SILT FENCING ALONG PROPERTY LINE AS DIRECTED BY SUPERINTENDENT.
- 5. ADDITIONAL CONTROL DEVICES TO BE PLACED WHERE DIRECTED BY THE PRINCIPLE. 6. ALTERNATIVE DESIGNS TO BE APPROVED BY SUPERINTENDENT PRIOR TO CONSTRUCTION.
- 7. WASH DOWN/RUMBLE AREA TO BE CONSTRUCTED WITH PROVISIONS RESTRICTING ALL SILT AND TRAFFICKED DEBRIS FROM ENTERING THE STORMWATER SYSTEM.
- 8. NO WORK OR STOCKPILING OF MATERIALS TO BE PLACED OUTSIDE OF SITE WORK BOUNDARY.
- 9. APPROPRIATE EROSION AND SEDIMENT CONTROLS TO BE USED TO PROTECT STOCKPILES AND MAINTAINED THROUGH OUT CONSTRUCTION.
- 10. IT IS THE CONTRACTORS RESPONSIBILITY TO TAKE DUE CARE OF NATURAL VEGETATION. NO CLEARING IS TO BE UNDERTAKEN WITHOUT PRIOR APPROVAL FROM THE SUPERINTENDENT.
- 11. TO AVOID DISTURBANCE TO EXISTING TREES, EARTHWORKS WILL BE MODIFIED AS DIRECTED ON-SITE BY THE SUPERINTENDENT.
- 12. THE LOCATION OF EROSION AND SEDIMENTATION CONTROLS WILL BE DETERMINED ON SITE BY THE SUPERINTENDENT.
- 13. ACCESS TRACKS THROUGH THE SITE WILL BE LIMITED TO THOSE DETERMINED BY THE SUPERINTENDENT AND THE CONTRACTOR PRIOR TO ANY WORK COMMENCING.
- 14. ALL SETTING OUT IS THE RESPONSIBILITY OF THE CONTRACTOR PRIOR TO WORKS COMMENCING ON SITE. THE SUPERINTENDENT'S SURVEYOR SHALL PEG ALL ALLOTMENT BOUNDARIES, PROVIDE COORDINATE INFORMATION TO THESE PEGS AND PLACE BENCH MARKS. THE CONTRACTOR SHALL SET OUT THE WORKS FROM AND MAINTAIN THESE PEGS.
- 15. PLANS ARE MINIMUM REQUIREMENTS AND ARE TO BE USED AS A GUIDE ONLY. EXACT MEASURES USED SHALL BE DETERMINED ON SITE IN CONJUNCTION WITH PROGRAM OF CONTRACTORS WORKS etc.

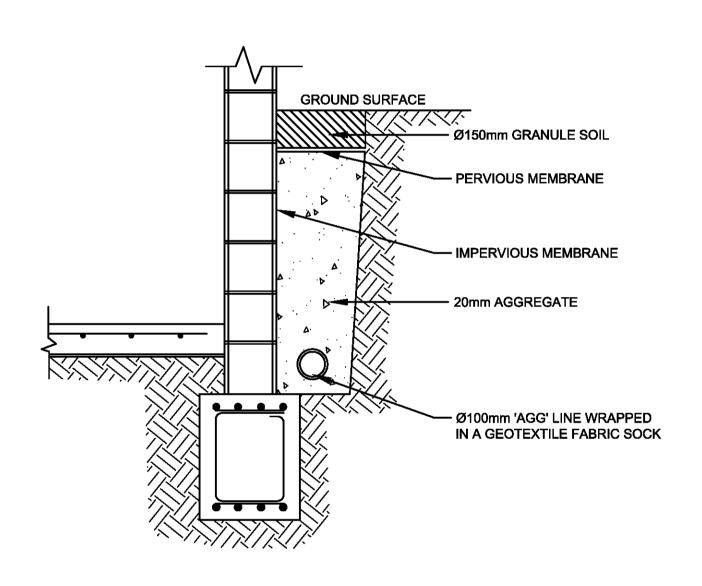


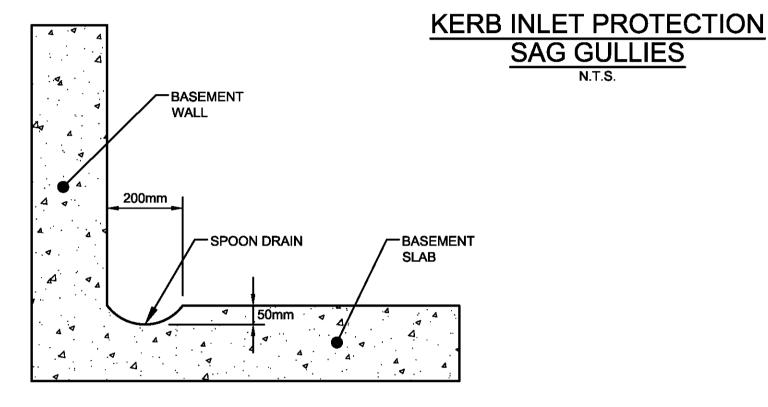
· VARIABLE WIDTH











SPOON DRAIN SECTION DETAIL

SURROUND SURFACES SHALL **GRADE TO INLET PIT** TYPICAL SUBSOIL DRAIN -GALVANISED MILD STEEL GRATE HINGED TO FRAME AND PROVIDED WITH CHILD SAFE 'J-LOCKS'.

1.0m (MIN) LONG FENCE— POSTS. 'T' OR 'U' TYPE STEEL OR 50mm HARDWOOD FILTER CLOTH "PROPEX 1380 SILT STOP" OR APPROVED EQUIVALENT DRAPE BOTTOM 150mm OF SILT FENCE-IN TRENCH, BACKFILL WITH SOIL AND COMPACT TO ENSURE ANCHORAGE. SILT FENCE DETAIL

SILT FENCE NOTES:

- 1. FILTER CLOTH TO BE FASTENED SECURELY TO POSTS WITH
- GALVANISED WIRE TIES, STAPLES OR ATTACHMENT BELTS. 2. POSTS SHOULD NOT BE SPACED MORE THAN 3.0m APART.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 150mm AND FOLDED.
- 4. FOR EXTRA STRENGTH TO SILT FENCE, WOVEN WIRE (14mm GAUGE, 150mm MESH SPACING) TO BE FASTENED SECURELY BETWEEN FILTER CLOTH AND POSTS BY WIRE TIES OR STAPLES
- 5. INSPECTIONS SHALL BE PROVIDED ON A REGULAR BASIS, **ESPECIALLY AFTER RAINFALL AND EXCESSIVE SILT DEPOSITS**
- REMOVED WHEN "BULGES" DEVELOP IN SILT FENCE 6. SEDIMENT FENCES SHALL BE CONSTRUCTED WITH SEDIMENT TRAPS AND EMERGENCY SPILLWAYS AT SPACINGS NO GREATER THAN 40m ON FLAT TERRAIN DECREASING TO 20m SPACINGS ON STEEP TERRAIN.

NOT FOR CONSTRUCTION

ARCHITECTURE DESIGN STUDIO (NSW) PTY LTD ARCHITECTURAL AMENDMENTS 20/11/2020 | EHZ | JSF SCALE 1:10 @ A1 ISSUE FOR DEVELOPMENT APPLICATION 11/09/2020 | EHZ | JSF **Penrith Council** Design Checked

INLET PIT DETAIL

SURROUND SURFACES SHALL

- CONCRETE LID

GRADE TO INLET PIT

AUSTRALIAN CONSULTING

TYPICAL GRATED

INLET PIT DETAIL

118-120 STATION STREET, PENRITH PROPOSED MIXED USE DEVELOPMENT DETAILS SHEET STORMWATER CONCEPT PLANS **DEVELOPMENT APPLICATION**

MISCELLANEOUS

200763 As Shown 107