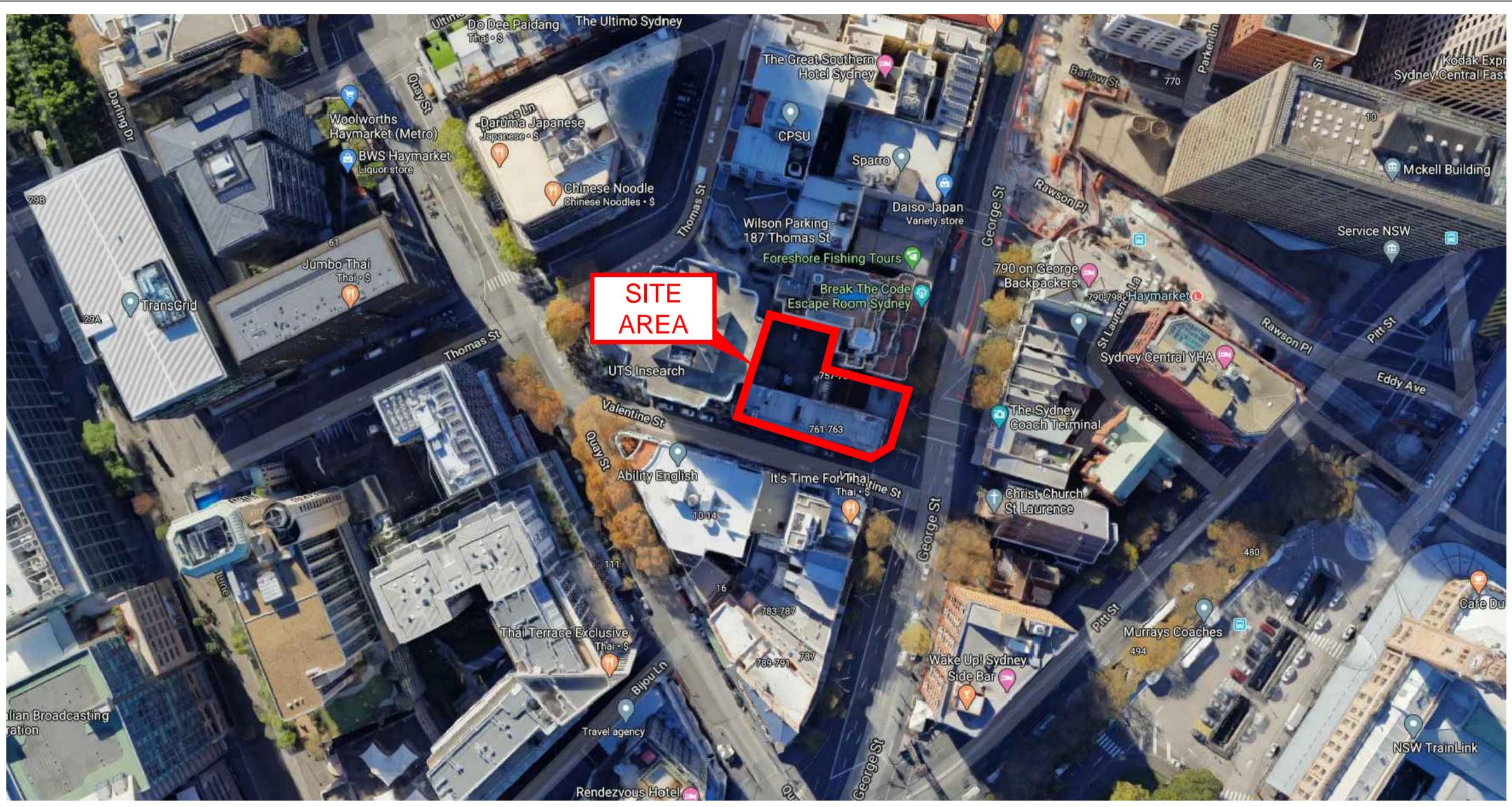
757-763 GEORGE STREET, HAYMARKET PROPOSED MIXED-USE DEVELOPMENT STORMWATER CONCEPT PLANS



	ISSUE FOR PLANNING PROPOSAL	29/09/2020	AGN	JSF	Certification By Dr. Anthony Hasham (NPER):	Architect Grimshaw Level 2 333 George Street Sydney, NSW 2000, AUS PHONE : +612 9253 0200
Issue	Description	Date	Design	Checked	Mart	Email : Fergus.Dinwiddie@gri
0 10	m at full size			20cm	1 20	WEB : www.grimshaw.global

LOCALITY PLAN N.T.S

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 GROUND LEVEL								
105	STORMWATER CONCEPT PLAN ROOF PLAN								
106	WSUD DETAILS AND CALCULATION SHEETS								
107	MISCELLANEOUS DETAILS SHEET								
Client	Scale								

Samprian Pty Ltd City of @grimshaw.global Sydney Council



ONSULTING - A.C.N. 084 059 941 CONSULTING LEVEL 4, 470 CHURCH STREET NORTH PARRAMATTA NSW 2150
 PH: (02) 9763 I500
 FX: (02) 9763 I515

 ENGINEERS.
 EMAIL: info@aceeng.com.au

AUSTRALIAN

757-763 GEORGE PROPOSED MIXE **STORMWATE** PLANNI

		NOT FOR CONS	TRUCTION	
E STREET, HAYMARKET ED-USE DEVELOPMENT ER CONCEPT PLANS	Drawing Title	R SHEET PLAN		
ING PROPOSAL	Scale A1 N.T.S.	Project No. 200144	Dwg. No. 000	Issue A

LEGEND	
→	PROPOSED STORMWATER
	SURFACE FLOW ARROWS
<u> </u>	SUBSOIL DRAINAGE
-0-	CLEANING EYE (OR INSPECTION EYE)
	PROPOSED STORAGE AREA
× RL 27.56	FINISHED SURFACE LEVEL
FG	FLOOR GRATE

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.





DANGER

CONFINED SPACE

NO ENTRY WITHOUT

CONFINED SPACE

TRAINING

BASEMENT PUMP OUT FAILURE WARNING SIGN

SIGN SHALL BE PLACED IN A CLEAR AND VISIBLE LOCATION WHERE VEHICLES ENTER THE BASEMENT

COLOURS:

"WARNING" = RED 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.

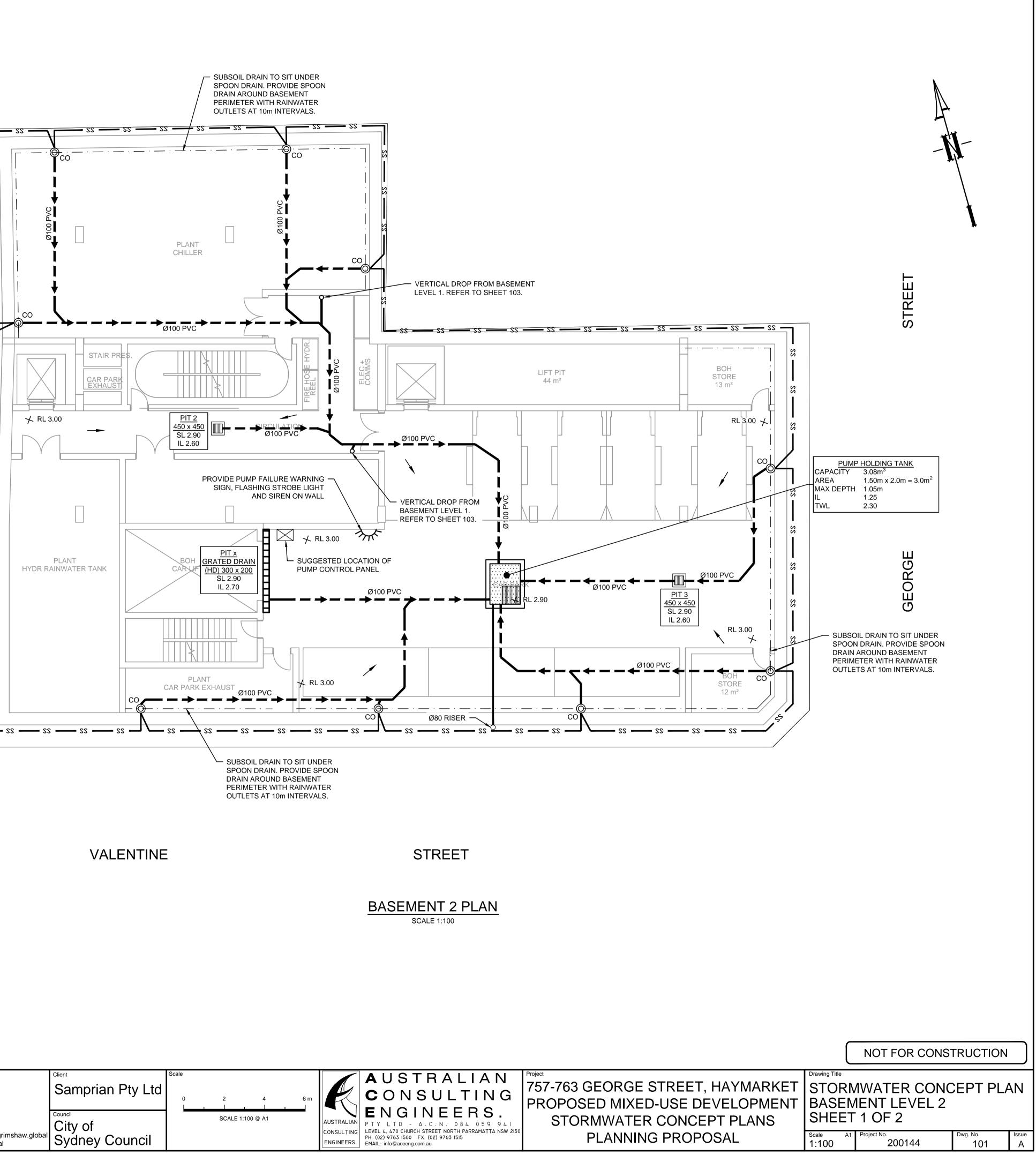
B) MINIMUM DIMENSIONS OF THE SIGN - 300mm x 450mm (LARGE ENTRIES, SUCH AS DOORS) -250mm x 180mm (SMALL ENTRIES SUCH AS GRATES & MANHOLES)

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

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

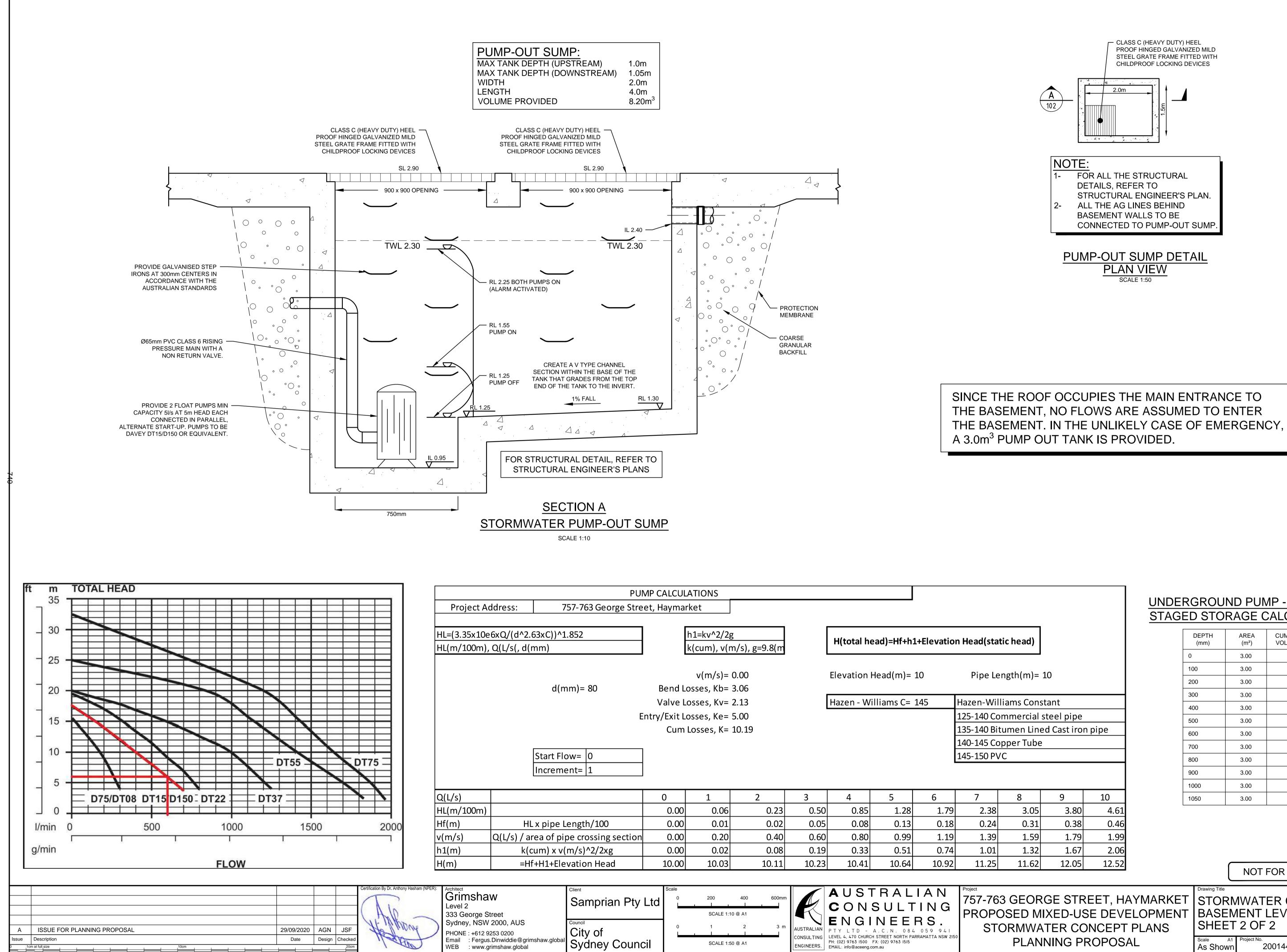
COLOURS: "DANGER" & BACKGROUND = WHITE ELLIPTICAL AREA = RED RECTANGLE CONTAINING ELLIPSE = BLACK BORDER AND OTHER LETTERING = BLACK

A	ISSUE FOR PLANNING PROPOSAL Description 10cm	29/09/2020 Date	AGN Design	JSF Checked	Ho Tuning	Architect Grimshaw Level 2 333 George Street Sydney, NSW 2000, AU PHONE : +612 9253 0200 Email : Fergus.Dinwiddie@ WEB : www.grimshaw.go
0 10	mat full size 10cm			20cm		WEB : www.grimshaw.glo



	Client	Scale						
	Samprian Pty Ltd			0			6	
		C I	,	2		4	6 m	
), AUS	Council			SC	CALE 1:1	00 @ A1		
200	City of							AUSTR
ddie@grimshaw.global	Sydney Council							CONSU
aw.global	Sydney Council							ENGIN

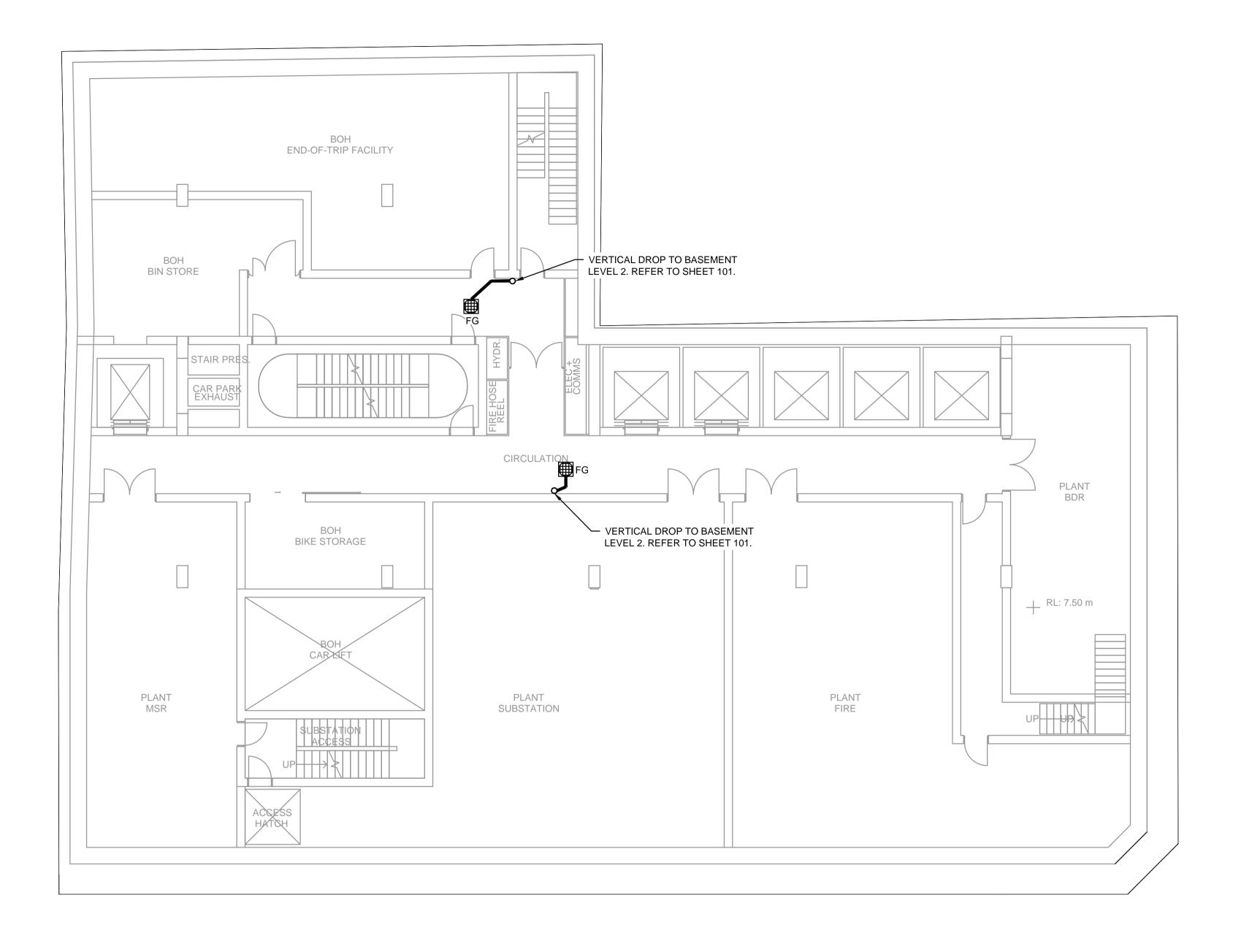




F	PUMP CALCULA	ATIONS															
757-763 George S ⁻	treet, Haymarl	ket													<u>MP - OUT</u> CALCULA ⁻		
^2.63xC))^1.852		1=kv^2/2	5	Г	H(total be	ad)=Hf+h1	+Flevatio	n Head(stat	ic head)			<u> </u>	DEPTH	AREA	CUMULATIVE]	
d(mm)	k	k(cum) <i>,</i> v(r	m/s), g=9.8(m	L				in nead(stat	ic neady				(mm)	(m²) 3.00	VOLUME (m ³)	-	
													100	3.00	0.225	_	
		v(m/s)=	0.00		Elevation H	lead(m)= 1	10	Pipe Le	ngth(m)= 1	.0			200	3.00	0.525	_	
d(mm)= 80	Bend Lo	sses, Kb=	3.06	-									300	3.00	0.825	-	
	Valve Lo	osses, Kv=	2.13		Hazen - Wi	lliams C= 1	145	Hazen-Will	iams Const	ant			400	3.00	1.125	-	
	Entry/Exit Lo	sses, Ke=	5.00					125-140 Co	mmercial s	teel pipe			500	3.00	1.425	-	
	Cum L	osses, K=	10.19					135-140 Bit	umen Line	d Cast iron	pipe		600	3.00	1.725	-	
								140-145 Co	oper Tube				700	3.00	2.025	-	
Start Flow= 0								145-150 PV	С				800	3.00	2.325	-	
Increment= 1													900	3.00	2.625	-	
													1000	3.00	2.925	-	
	0	1	2	3	4	5	6	7	8	9	10		1050	3.00	3.075		
	0.00	0.06	0.23	0.50	0.85	1.28	1.79	2.38	3.05	3.80	4.61					-	
HL x pipe Length/100	0.00	0.01	0.02	0.05	0.08	0.13	0.18	0.24	0.31	0.38	0.46						
/ area of pipe crossing section	on 0.00	0.20	0.40	0.60	0.80	0.99	1.19	1.39	1.59	1.79	1.99						
k(cum) x v(m/s)^2/2xg	0.00	0.02	0.08	0.19	0.33	0.51	0.74	1.01	1.32	1.67	2.06						
=Hf+H1+Elevation Head	10.00	10.03	10.11	10.23	10.41	10.64	10.92	11.25	11.62	12.05	12.52				FOR CONS ⁻		
															FUR CONS	IKUCHUN	<u> </u>
S Council	ty Ltd	200 SCALE 1:1	400 600mm 1 1 0 @ A1 2 3 m		CON	RAL SULT NEEF	ING	PROPC	SED MI	XED-US	E DEVE	YMARKE LOPMEN	T BASE	RMWAT	ER CONC LEVEL 2	EPT PL	AN
egrimshaw.global City of Sydney Cou	incil	SCALE 1:5		AUSTRALIAN CONSULTING ENGINEERS.	PTYLTD- LEVEL 4, 470 CHURCH PH: (02) 9763 I500 I EMAIL: info@aceeng.co	A . C . N . 084 I STREET NORTH PAR FX: (02) 9763 I5I5 om.au	059941 RRAMATTA NSW 2150	_		TER CO NING PR	_	_	Scale As Sho	A1 Project No.	200144	Dwg. No. 102	lssue A

UNDERGROUND PUMP - OUT SUMP
STAGED STORAGE CALCULATIONS

DEPTH (mm)	AREA (m²)	CUMULATIVE VOLUME (m ³)
0	3.00	0
100	3.00	0.225
200	3.00	0.525
300	3.00	0.825
400	3.00	1.125
500	3.00	1.425
600	3.00	1.725
700	3.00	2.025
800	3.00	2.325
900	3.00	2.625
1000	3.00	2.925
1050	3.00	3.075



VALENTINE

						Architect Grimshaw Level 2 333 George Street Sydney, NSW 2000, AUS
A	ISSUE FOR PLANNING PROPOSAL	29/09/2020	AGN	JSF	AL IN PINCING	PHONE : +612 9253 0200
Issue	Description	Date	Design	Checked		Email : Fergus.Dinwiddie@gri
0 1c	ma tfull size 10cm			20cm		WEB : www.grimshaw.global

STREET

BASEMENT 1 PLAN SCALE 1:100

ırimshaw.globa al	Client Samprian Pty Ltd Council City of Sydney Council	0 2 4 6 m	AUSTRALIAN AUSTRALIAN CONSULTING ENGINEERS. AUSTRALIAN CONSULTING ENGINEERS. AUSTRALIAN CONSULTING ENGINEERS. AUSTRALIAN CONSULTING ENGINEERS. AUSTRALIAN CONSULTING ENGINEERS. AUSTRALIAN CONSULTING ENGINEERS. AUSTRALIAN CONSULTING ENGINEERS. AUSTRALIAN CONSULTING ENGINEERS. AUSTRALIAN CONSULTING ENGINEERS. AUSTRALIAN CONSULTING ENGINEERS. AUSTRALIAN CONSULTING ENGINEERS.	Project 757-763 GEORGE PROPOSED MIXE STORMWATEF PLANNIN
----------------------	--	-----------	--	---

	Ĺ			
E STREET, HAYMARKET D-USE DEVELOPMENT R CONCEPT PLANS		IWATER CONC IENT LEVEL 1 1 OF 2	EPT PLA	١N
NG PROPOSAL	Scale A1 1:100	Project No. 200144	Dwg. No. 103	lssue A

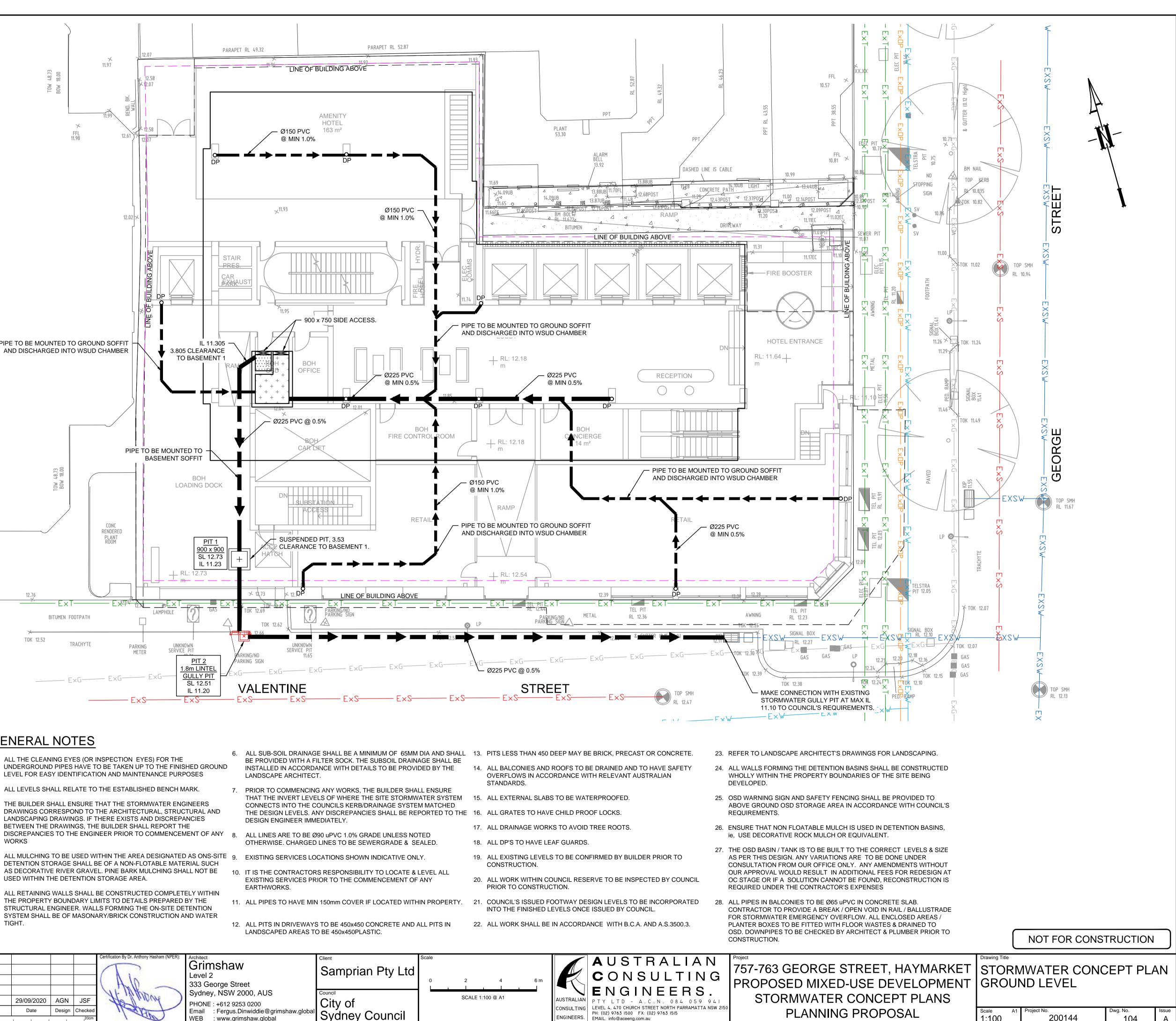
NOT FOR CONSTRUCTION



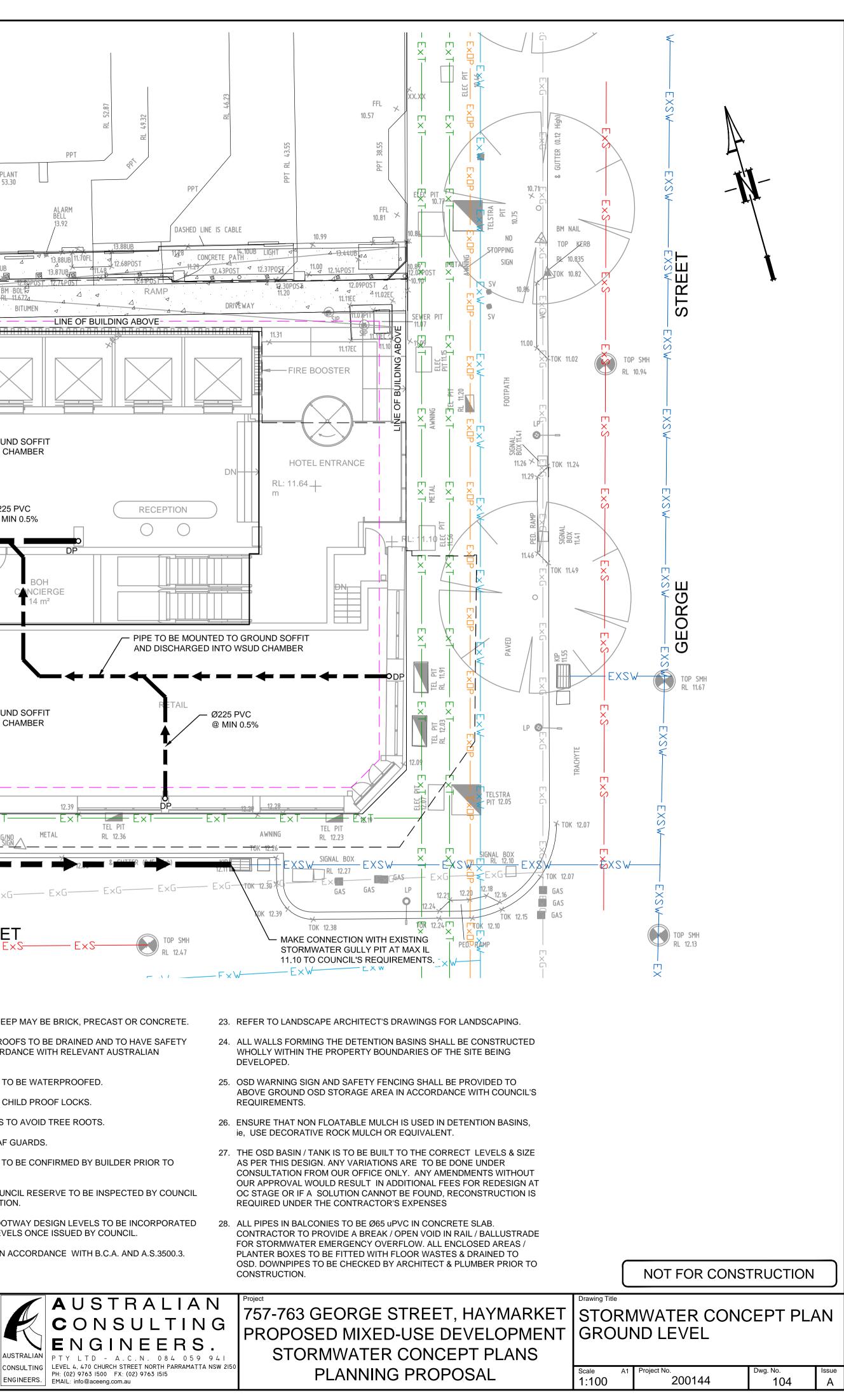
	1	PARAPET RL 49.32
— — → → I	PROPOSED STORMWATER	11.97 × 12.58
างแนนแนนและ	PIPE OVERCROSSING MINIMUM 150mm CLEARANCE	M 12.07
——— E×S——	EXISTING SEWER MAIN (FROM RECORDS)	HALL 11.99
——— E×W	EXISTING WATER (FROM RECORDS)	× 12.58
E×E	EXISTING POWER (FROM RECORDS)	
———— E×G	EXISTING GAS (FROM RECORDS)	DP
—— ExT——	EXISTING TELSTRA (FROM RECORDS)	
o ^{DP}	DOWNPIPE	12.02 ×
RWO 🌘	RAINWATER OUTLET	
NS 26.45 +	EXISTING SURFACE LEVEL	
IL 47.00	INVERT LEVEL OF PIPE JUNCTION	
+ + + + + + + + + + + + + + + + + + +	PROPOSED WSUD AREA	
	TILED AREA	PIPE TO BE MOUNTED TO GROUND SOFFIT AND DISCHARGED INTO WSUD CHAMBER TO BASEMENT 1
	TREES TO BE RETAINED	
	TREES TO BE REMOVED	PIPE TO BE MOUNTED TO BASEMENT SOFFIT
		BOH LOADING DOCK
		CONC RENDERED PLANT ROOM PIT 1 900 x 900 SL 12.73 IL 11.23 + HATC
		12.76 × 12.73
PIP	ES NOTE:	$E \times T - E \times $
Ø65	PVC @ MIN 1.0% PVC @ MIN 1.0%	TOK 12.52 TRACHYTE PADKING UNKNOWN
Ø100) PVC @ MIN 1.0%) PVC @ MIN 1.0%	METER SERVICE PIT PARKING/NO PIT 2 PARKING SIGN
Ø225 Ø300	5 PVC @ MIN 0.5% 9 PVC @ MIN 0.4% ESS NOTED OTHERWISE	E×G
		GENERAL NOTES
	NOTE: NTRACTOR'S	1. ALL THE CLEANING EYES (OR INSPECTION EYES) FOR THE 6. ALL SUB-S BE PROVID BE PROVID UNDERGROUND PIPES HAVE TO BE TAKEN UP TO THE FINISHED GROUND INSTALLEE
RESPON	SABILITY TO ENSURE 1 30 TO 40mm OF PONDING IS	2. ALL LEVELS SHALL RELATE TO THE ESTABLISHED BENCH MARK. 7. PRIOR TO
ACHIEVE	ED OVER THE RAINWATER S BY GRADING CATCHMENT'S	3. THE BUILDER SHALL ENSURE THAT THE STORMWATER ENGINEERS CONNECT
SURFAC	ES AT MINIMUM 0.5% FALL ED SURFACES AND MINIMUM	DRAWINGS CORRESPOND TO THE ARCHITECTURAL, STRUCTURAL AND LANDSCAPING DRAWINGS. IF THERE EXISTS AND DISCREPANCIES BETWEEN THE DRAWINGS, THE BUILDER SHALL REPORT THE DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCEMENT OF ANY 8. ALL LINES

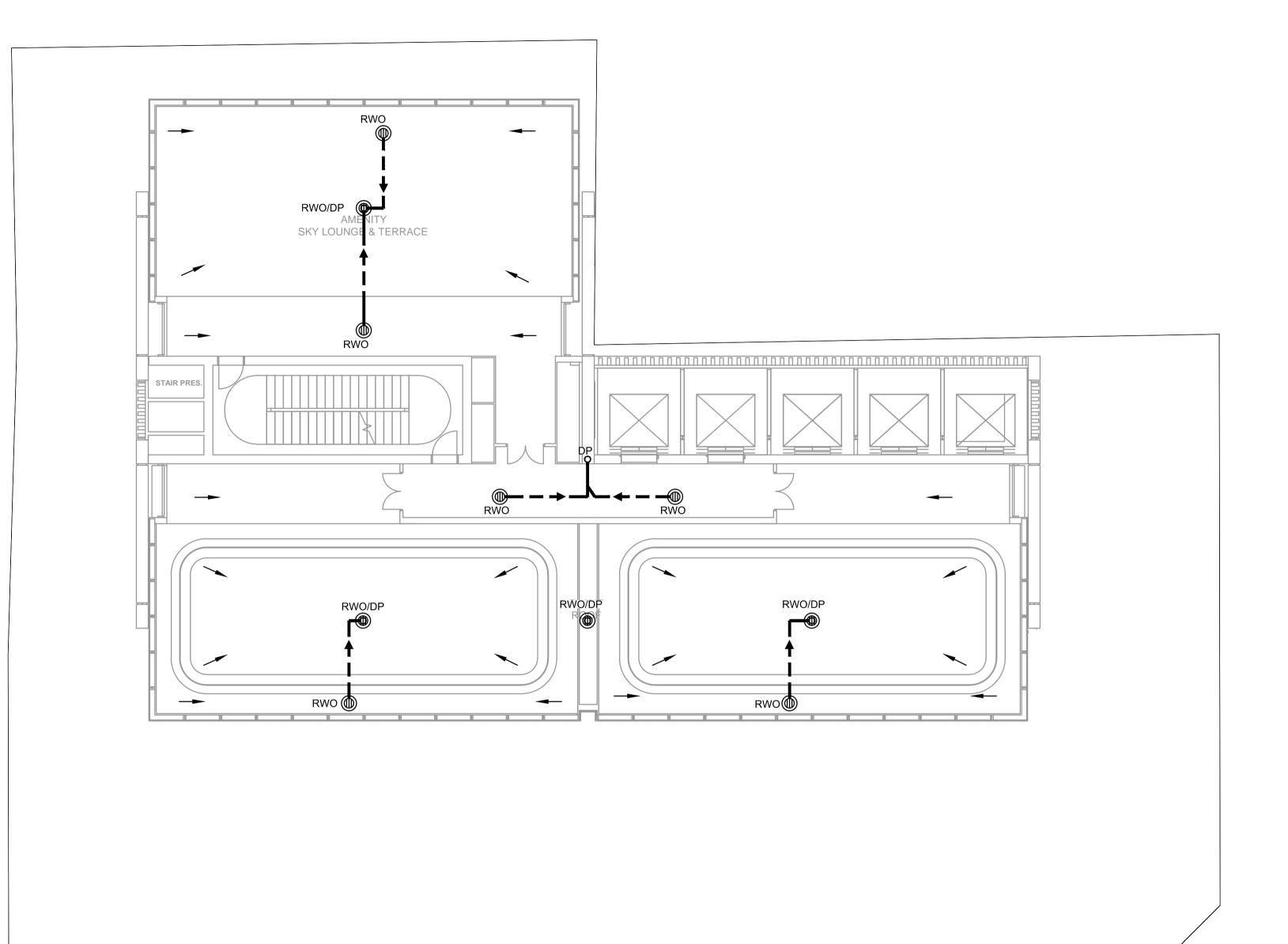
- FOR PAVED SURFACES AND MINIMUM
- 1.0% FALL FOR OTHER SURFACES ..
- WORKS ALL MULCHING TO BE USED WITHIN THE AREA DESIGNATED AS ONS-SITE 9. EXISTING SERVICES LOCATIONS SHOWN INDICATIVE ONLY DETENTION STORAGE SHALL BE OF A NON-FLOTABLE MATERIAL SUCH AS DECORATIVE RIVER GRAVEL. PINE BARK MULCHING SHALL NOT BE USED WITHIN THE DETENTION STORAGE AREA.
- ALL RETAINING WALLS SHALL BE CONSTRUCTED COMPLETELY WITHIN 5. THE PROPERTY BOUNDARY LIMITS TO DETAILS PREPARED BY THE STRUCTURAL ENGINEER. WALLS FORMING THE ON-SITE DETENTION SYSTEM SHALL BE OF MASONARY/BRICK CONSTRUCTION AND WATER TIGHT.
 - 12. ALL PITS IN DRIVEWAYS TO BE 450x450 CONCRETE AND ALL PITS IN LANDSCAPED AREAS TO BE 450x450PLASTIC.

			1		Certification By Dr. Anthony Hasham (NPER):	A note it a st
						Grimshaw
					(A)	Level 2 333 George Street
					VE MADON	Sydney, NSW 2000, AUS
A	ISSUE FOR PLANNING PROPOSAL	29/09/2020	AGN	JSF	the house	PHONE : +612 9253 0200
Issue	Description	Date	Design	Checked	1 ABAT	Email : Fergus.Dinwiddie@g
0 1c	m at full size 10cm			20cm		WEB : www.grimshaw.globa



	Client	Scale					
	Samprian Pty Ltd						
		0	2		4	6 m	1
S @grimshaw.global	Council City of Sydney Council		SCAL	E 1:100	@ A1	-	A C
bal	Sydney Council						E

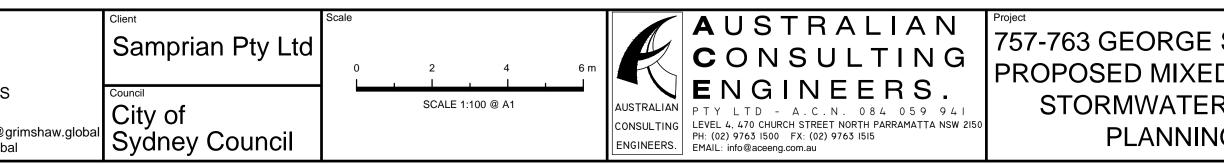




VALENTINE

A Issue	ISSUE FOR PLANNING PROPOSAL Description cm at full size	29/09/2020 Date	AGN Design	JSF Checked	Ho Tuning	Architect Grimshaw Level 2 333 George Street Sydney, NSW 2000, AUS PHONE : +612 9253 0200 Email : Fergus.Dinwiddie@gr WEB : www.grimshaw.global
------------	---	--------------------	---------------	----------------	-----------	--

STREET

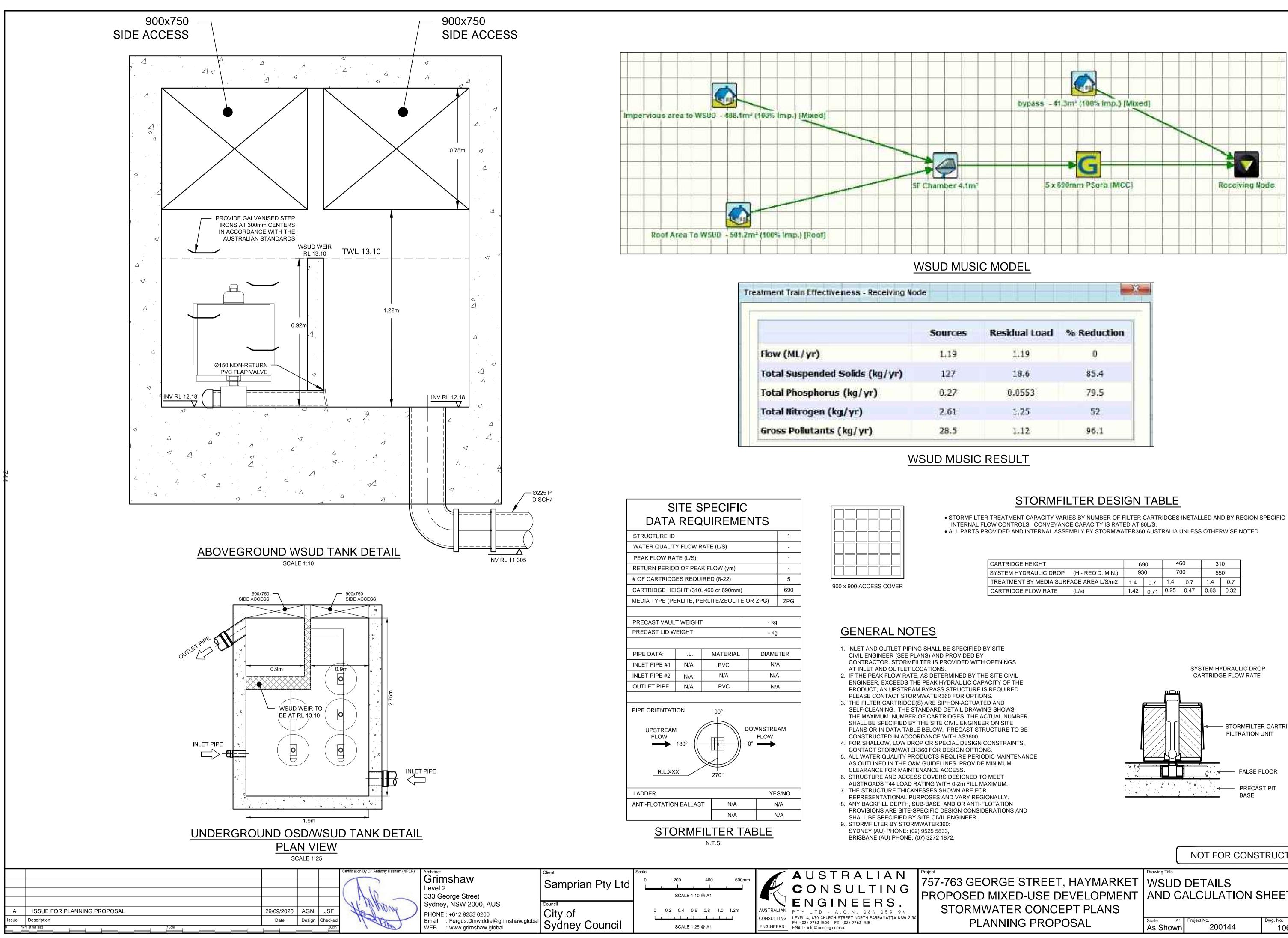


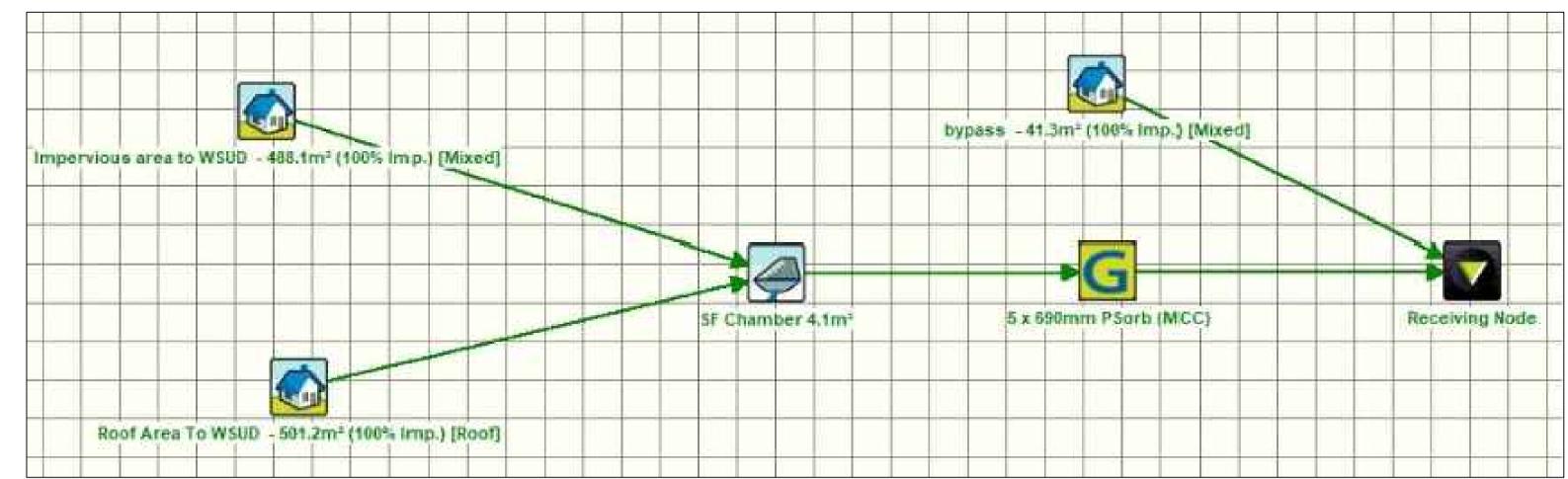
	Ø Ø Ø Ø Ø Ø Ø Ø Ø	IPES NOTE: 55 PVC @ MIN 1.0% 90 PVC @ MIN 1.0% 100 PVC @ MIN 1.0% 150 PVC @ MIN 1.0% 25 PVC @ MIN 0.5% 800 PVC @ MIN 0.4% NLESS NOTED OTHE	RWISE	
		NOT FOR CONS	TRUCTION	
E STREET, HAYMARKET ED-USE DEVELOPMENT ER CONCEPT PLANS	Drawing Title STORN ROOF	IWATER CONC PLAN	CEPT PLA	AN Issue
NG PROPOSAL	1:100	200144	⁰ 105	А

GEORGE

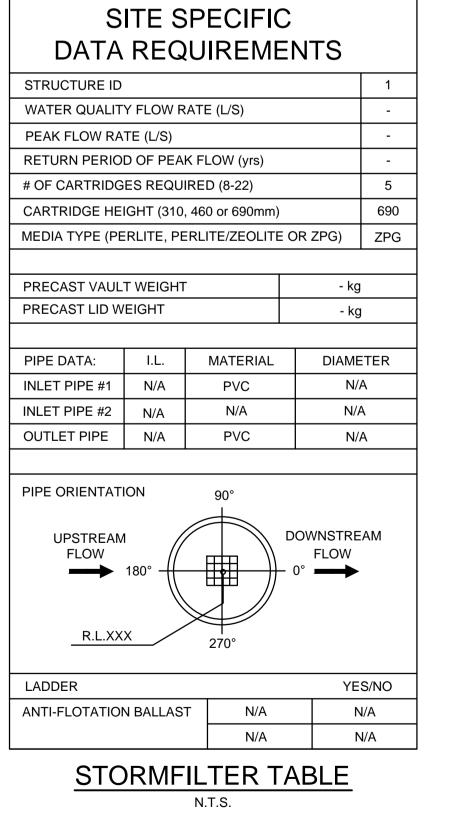
STREET







	Sources	Residual Load	% Reduction
Flow (ML/yr)	1.19	1.19	0
Total Suspended Solids (kg/yr)	127	18,6	85.4
Total Phosphorus (kg/yr)	0.27	0.0553	79.5
Total Nitrogen (kg/yr)	2.61	1.25	52
Gross Pollutants (kg/yr)	28.5	1.12	96.1



CARTRI
SYSTEM
TREAT
CARTRI

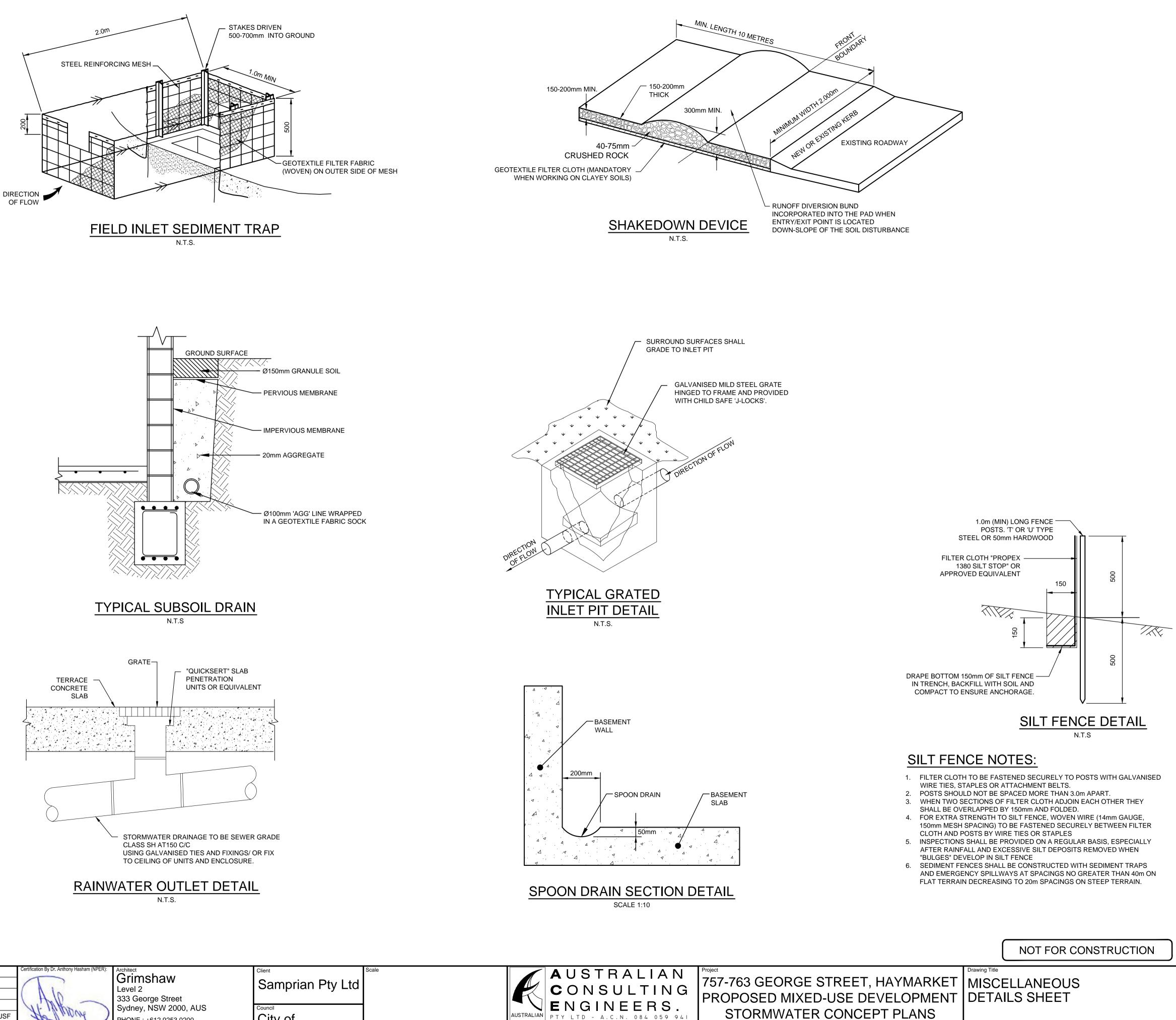
IDGE HEIGHT	69	90	46	50	31	0
M HYDRAULIC DROP (H - REQ'D. MIN.)	930		700		550	
MENT BY MEDIA SURFACE AREA L/S/m2	1.4	0.7	1.4	0.7	1.4	0.7
RIDGE FLOW RATE (L/s)	1.42	0.71	0.95	0.47	0.63	0.32

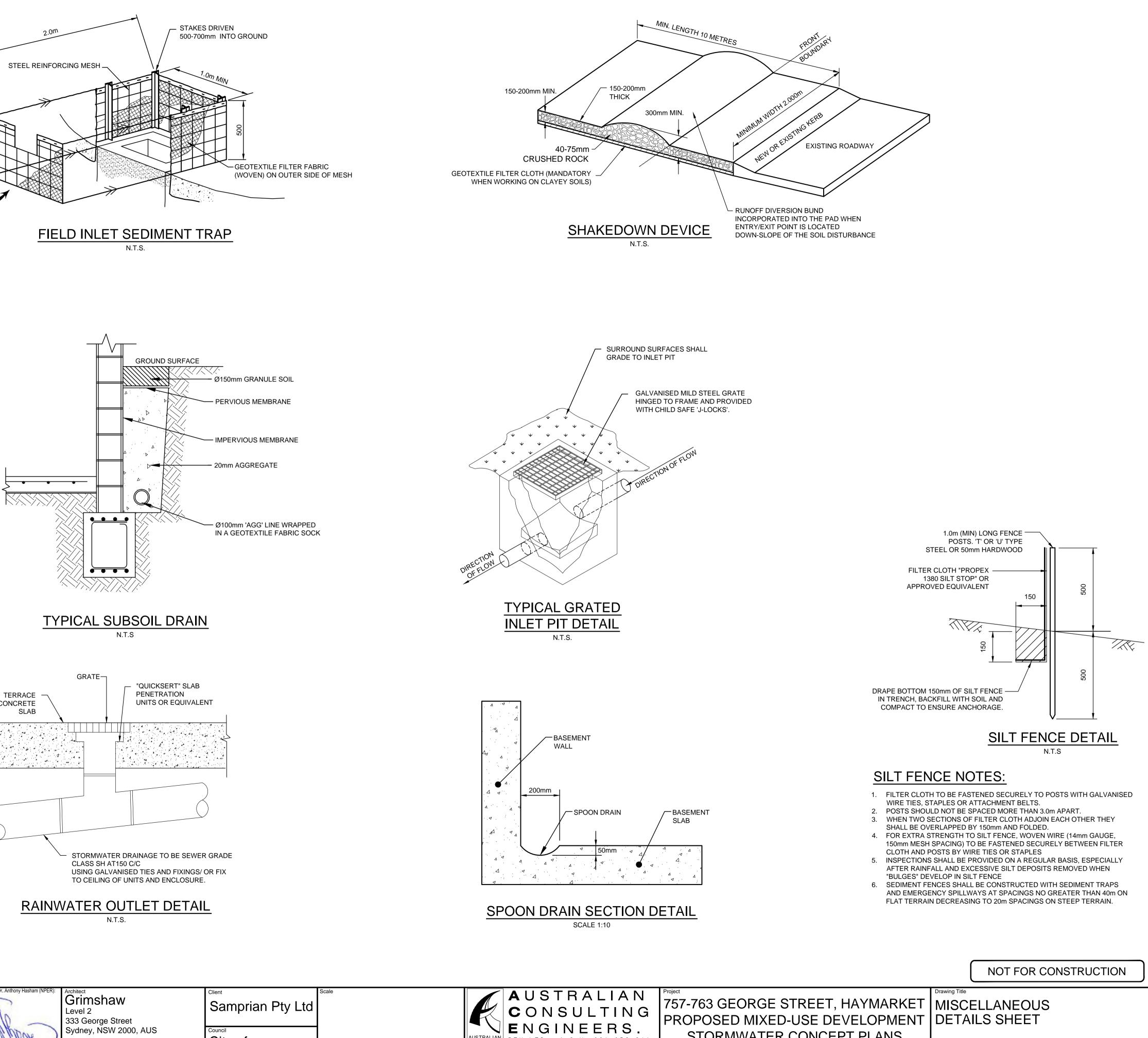
STORMFILTER CARTRIDGE NOT FOR CONSTRUCTION

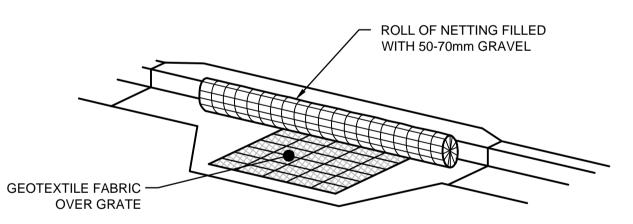
NG PROPOSALScaleA1Project No.Dwg. No.IssueAs Shown200144106A	E STREET, HAYMARKET ED-USE DEVELOPMENT ER CONCEPT PLANS	 _	HEETS	
	NG PROPOSAL	 2	Ű	

SEDIMENT & EROSION NOTES

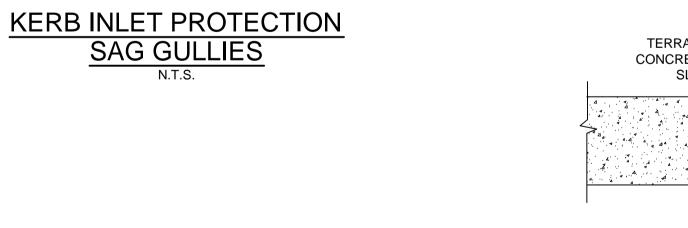
- 1. IMMEDIATELY FOLLOWING SETTING OUT OF THE WORKS, BUT PRIOR TO COMMENCEMENT OF ANY CLEARING OR EARTHWORKS, THE CONTRACTOR AND SUPERINTENDENT SHALL WALK THE SITE TO NOMINATE THE LOCATIONS AND TYPES OF SEDIMENT AND EROSION CONTROL MEASURES TO BE ADOPTED. THESE MEASURES SHALL BE IMPLEMENTED PRIOR TO 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.





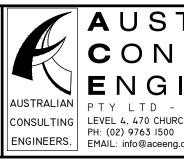


N.T.S.



					Certification By Dr. Anthony Hasham (NPER):	Architect Grimshaw Level 2 333 George Street Sydney, NSW 2000, AUS
А	ISSUE FOR PLANNING PROPOSAL	29/09/2020	AGN	JSF	He (MOUND)	PHONE : +612 9253 0200
Issue	Description	Date	Design	Checked	Mater	Email : Fergus.Dinwiddie@g
0 1c	na full size 10cm			20cm	1 VD	WEB : www.grimshaw.globa

	Client	Scale
	Samprian Pty Ltd	
	Council	
	City of Sydney Council	
mshaw.global	Sydney Council	



AUSTRALIAN PTYLTD - A.C.N. 084 059 941 CONSULTING LEVEL 4, 470 CHURCH STREET NORTH PARRAMATTA NSW 2150
 PH:
 (02)
 9763
 I500
 FX:
 (02)
 9763
 I515

 ENGINEERS.
 EMAIL:
 info@aceeng.com.au
 EMAIL:
 info@aceeng.com.au

PLANNING PROPOSAL

107

Α

200144

N.T.S.