PROPOSED HEALTH CONSULTING ROOMS AT 194 BENNETT ROAD, ST CLAIR

GENERAL

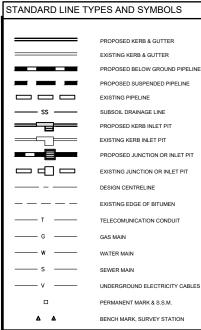
- These drawings shall be read in conjunction with all architectural and other consultants drawings and specifications and with such other written instructions and sketches as may be issued during the course of the Contract. Any discrepancies shall be referred to the Superintendent before proceeding with any related works. Construction from these drawings, and their associated consultant's drawings is not to commence G1 until approved by the Local Authorities
- G2 All materials and workmanship shall be in accordance with the relevant and current Standards Australia codes and with the By-Laws and Ordinances of the relevant building authorities except where varied by the project specification
- G3 All set out dimensions shall be obtained from Architect's and Engineer's details. All discrepancies shall be referred to the Architect and Engineer for decision before proceeding with related work.
- G4 During construction the structure shall be maintained in a stable condition and no part shall be overstressed Temporary bracing shall be provided by the builder/subcontractor to keep the works and excavations stable at all times. G5 Unless noted otherwise levels are in metres and dimensions are in millimetres.
- G6 The alignment and level of all services shown are approximate only. The contractor shall confirm the position and level of all services prior to commencement of construction. Any damage to services shall be rectified at the contractors expense.
- G7 Any substitution of materials shall be approved by the Engineer and included in any tender.
- G8 All services, or conduits for servicing shall be installed prior to commencement of pavement construction.
- G9 Subsoil drainage, comprising 100 agriculture pipe in geo-stocking to be placed as shown and as may be directed by the superintendent. Subsoil drainage shall be constructed in accordance with the relevant local authority construction specification.
- G10 The structural components detailed on these drawings have been designed in accordance with the relevant Standards Australia codes and Local Government Ordinances for the following loadings. Refer to the Architectural drawings for proposed floor usage. Refer to drawings for live loads and superimposed dead loads.

DRAINAGE NOTES

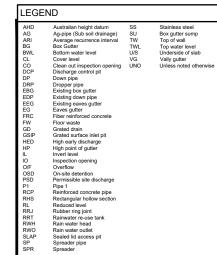
- D1 All drainage levels to be confirmed on site, prior to any construction commencing.
- D2 All pipes within the property to be a minimum of 100 dia upvc @ 1% minimum grade, uno.
- D3 All pits within the property are to be fitted with "weldlok" or approved equivalent grates:
 Light duty for landscaped areas
 Heavy duty where subjected to vehicular traffic
- D4 All pits within the property to be constructed as one of the following: Precast stormwater pits
 Cast insitu mass concrete
 Cast insitu mass concrete
 Cement rendered 230mm brickwork subject to the relevant local authority construction specification.
- D5 Ensure all grates to pits are set below finished surface level within the property. Top of pit RL's are approximate only and may be varied subject to approval of the engineer. All invert levels are to be achieved.
- D6 Any pipes beneath relevant local authority road to be rubber ring jointed RCP, uno.
- D7 All pits in roadways are to be fitted with heavy duty grates with locking bolts and continuous hinge
- Provide step irons to stormwater pits greater than 1200 in depth. D8
- D9 Trench back fill in roadways shall comprise sharp, clean granular back fill in accordance with the relevant local authority specification to non-trafficable areas to be compacted by rodding and tamping using a flat plate vibrator
- D10 Where a high early discharge (hed) pit is provided all pipes are to be connected to the hed pit, uno.
- D11 Down pipes shall be a minimum of dn100 sw grade upvc or 100 x100 colorbond/zincalume steel, uno.
- D12 Colorbond or zincalume steel box gutters shall be a minimum of 450 wide x 150 deep. D13 Eaves gutters shall be a minimum of 125 wide x 100 deep (or of equivalent area) colorbond or zincalume steel, uno.
- D14 Subsoil drainage shall be provided to all retaining walls & embankments, with the lines feeding into the stormwater drainage system, uno.

EROSION AND SEDIMENT CONTROL NOTES

- These notes are to be read in conjunction with erosion and sediment control details in this drawing set. E1
- E2 The contractor shall implement all soil erosion and sediment control measures as necessary and to the satisfaction of the relevant local authority prior to the commencement of and during construction. No disturbance to the site shall be permited other than in the immediate area of the works and no material shall be removed from the site without the relevant local authority approval. All erosion and sediment control devices to be installed and maintained in accordance with standards outlined in nsw department of housing's "managing urban stormwater soils and constructions".
- E3 Place straw bales length wise in a row as parallel as possible to the site contours, uno. Bale ends to be tightly butted. Bales are to be placed so that straws are parallel to the row. Bales are to be placed 1.5m to 2m downslope from the too of the disturbed batter, uno.
- Council approved filter fabric to be entrenched 150mm deep upslope towards disturbed surface. Fabric to be a minimum SF2000 or better. Fx fabric to posts with wire ties or as recomended with manufacturer's specifications. Fabric joints to have a minimum of 150mm overlap. Wire to be strung between posts with filter fabric overlap to prevent sagging.
- Stabalised entry/exit points to remain intact until finished driveway is complete. Construction of entry/exit points to be maintained and repaired as required so that it's function is not compromised. Construction of entry/exit point to be in accordance with the detail contained within this drawing set. E5
- E6 All drainage pipe inlets to be capped until:
- pits constructed and protected with silt barrier E6 Provide and maintain silt traps around all surface inlet pits until catchment is revegetated or paved.
- The contractor shall regularly maintain all erosion and sediment control devices and remove accumulated silt from such devices such that more than 60% of their capacity is lost. All the silt is to be placed outside the limit of works. The period for maintaining these devices shall be at least until all disturbed areas are revegetated and further as may be directed by the superintendent or council. E7
- E8 The contractor shall implement dust control by regularly wetting down (but not saturating) disturbed area Topoli shall be stripped and stockplied outside hazard areas such as drainage lines. This topoli shall be responed later on areas to be revegetated and stabilised only, (i.e. all cotpaths, batters, site regarding areas basins and cathdrains). Topoli shall no be respread on any other areas unless spotifically instruded by the superintendent. If they are to remain for longer than one month stockpiles shall be protected from erosion by covering them with a mulch and hydroseeding and, if necessary, by locating banks or drains downstream of a stockpile torefard sill address the number.
- E10 Lay 300 wide minimum turf strip on 100 topsoil behind all kerb and gutter with 1000 long returns every 6000 and around structures immediately after backfilling as per the relevant local authority specification.
- E11 The contractor shall grass seed all disturbed areas with an approved mix as soon as practicable after completion of earthworks and regrading.
- E12 Revegetate all trenches immediately upon completion of backfilling.
- E13 When any devices are to be handed over to council they shall be in clean and stable condition



STANDARD LINE TYPES AND SYMBOLS			
	OVERLAND FLOW PATH		
	GUTTER DRAINAGE DIRECTION		
0 °	DOWNPIPE		
$\mathfrak{S}^{\diamond}_{\mathfrak{S}}$	DOWNPIPE WITH SIDE OVERFLOW		
* * * * *	PERVIOUS (GRASSED) AREAS		
× RL= ??	EXISTING (PRE-DEVELOPMENT) RL		
x RL= ??	POST DEVELOPMENT RL		
FALL	GRADED IMPERVIOUS AREA (ROOF, CONC SLABS ETC)		
	SEDIMENT FENCE		
│	CROSSING PIPES		
1	NODE POINT		



RECOMMENDED MAINTENANCE SCHEDULE			
DISCHARGE CONTROL PIT (DCP)	FREQUENCY	RESPONSIBILITY	PROCEDURE
Inspect flap valve and remove any blockage.	Six monthly	Owner	Remove grate. Ensure flap valve moves freely and remove any blockages or debris.
Inspect screen and clean.	Six monthly	Owner	Revove grate and screen if required and clean it.
Inspect & remove any blockage of orifice.	Six monthly	Owner	Remove grate & screen to inspect orifice. see plan for location of dcp.
Inspect dcp sump & remove any sediment-sludge.	Six monthly	Owner	Remove grate and screen. Remove sediment/sludge build-up and check orifice and flap valve clear.
Inspect grate for damage or blockage.	Six monthly	Owner	Check both sides of grate for corrosion, (especially corners and welds) damage or blockage.
Inspect return pipe from storage and return any blockage.	Six monthly	Owner	Remove grate and screen. ventilate underground storage if present. open flap valve and remove any blockages in return line. Check for sludge/debris on upstream side of return line.
Inspect outlet pipe and remove any blockage.	Six monthly	Maintenance Contractor	Remove grate and screen. ventilate underground storage if present. Check orifice and remove any blockages in outlet pipe. Flush outlet pipe to confirm it drains freely. Check for sludge/debris on upstream side of return line.
Check fixing of step irons is secure.	Six monthly	Maintenance Contractor	Remove grate and ensure fixings secure prior to placing weight on step iron.
Inspect overflow weir & remove any blockage.	Six monthly	Maintenance Contractor	Remove grate and open cover to ventilate underground storage if present. ensure weir clear of blockages.
Empty basket at overflow weir (if present).	Six monthly	Maintenance Contractor	Remove grate and ventilate underground storage chamber if present. Empty basket, check fixings secure and not corroded.
Check attachment of orifice plate to wall of pit (gaps less than 5 mm).	Annually	Maintenance Contractor	Remove grate and screen. ensure plate mounted securely, tighten fixings if required. seal gaps as required.
Check attachment of screen to wall of pit.	Annually	Maintenance Contractor	Remove grate and screen. ensure screen fixings secure. repair as required.
Check screen for corrosion.	Annually	Maintenance Contractor	Remove grate and examine screen for rust or corrosion, especially at corners or welds.
Check attachment of flap valve to wall of .	Annually	Maintenance Contractor	Remove grate. Ensure fixings of valve are secure.
Check flap valve seals against wall of pit.	Annually	Maintenance Contractor	Remove grate. fill pit with water and check that flap seals against side of pit with minimal leakage.
Check any hinges of flap valve move freely.	Annually	Maintenance Contractor	Remove grate. Test valve hinge by moving flap to full extent.
Inspect dcp walls (internal and external, if appropriate) for cracks or spalling.	Annually	Maintenance Contractor	Remove grate to inspect internal walls. Repair as required. Clear vegetation from external walls if necessary and repair as required.
Check step irons for corrosion.	Annually	Maintenance Contractor	Remove grate. Examine step irons and repair any corrosion or damage.
Check orifice diameter correct and retains sharp edge.	Five yearly	Maintenance Contractor	Compare diameter to design (see work-as- executed) and ensure edge is not pitted or damaged.
STORAGE			
Inspect & remove any blockage of orifice.	Six monthly	Owner	Remove grate and screen. remove sediment/sludge build-up.
Check orifice diameter correct and retains sharp edge.	Six monthly	Owner	Remove blockages from grate and check if pit blocked.
Inspect screen and clean.	Six monthly	Owner	Remove debris and floatable material likely to be carried to grates.
Check attachment of orifice plate to wall of pit (gaps less than 5 mm).	Annually	Maintenance	Remove grate to inspect internal walls. repair as required. clear vegetation from external walls if necessary and repair as required.
Check attachment of screen to wall of pit.	Five yearly	Maintenance Contractor	Compare actual storage available with work-as executed plans. If volume loss is greater than 5%, arrange for reconstruction to replace the volume lost. Council to be notified of the proposal.
Check attachment of screen to wall of pit.	Five yearly	Maintenance Contractor	Check along drainage lines and at pits for subsidence likely to indicate leakages.

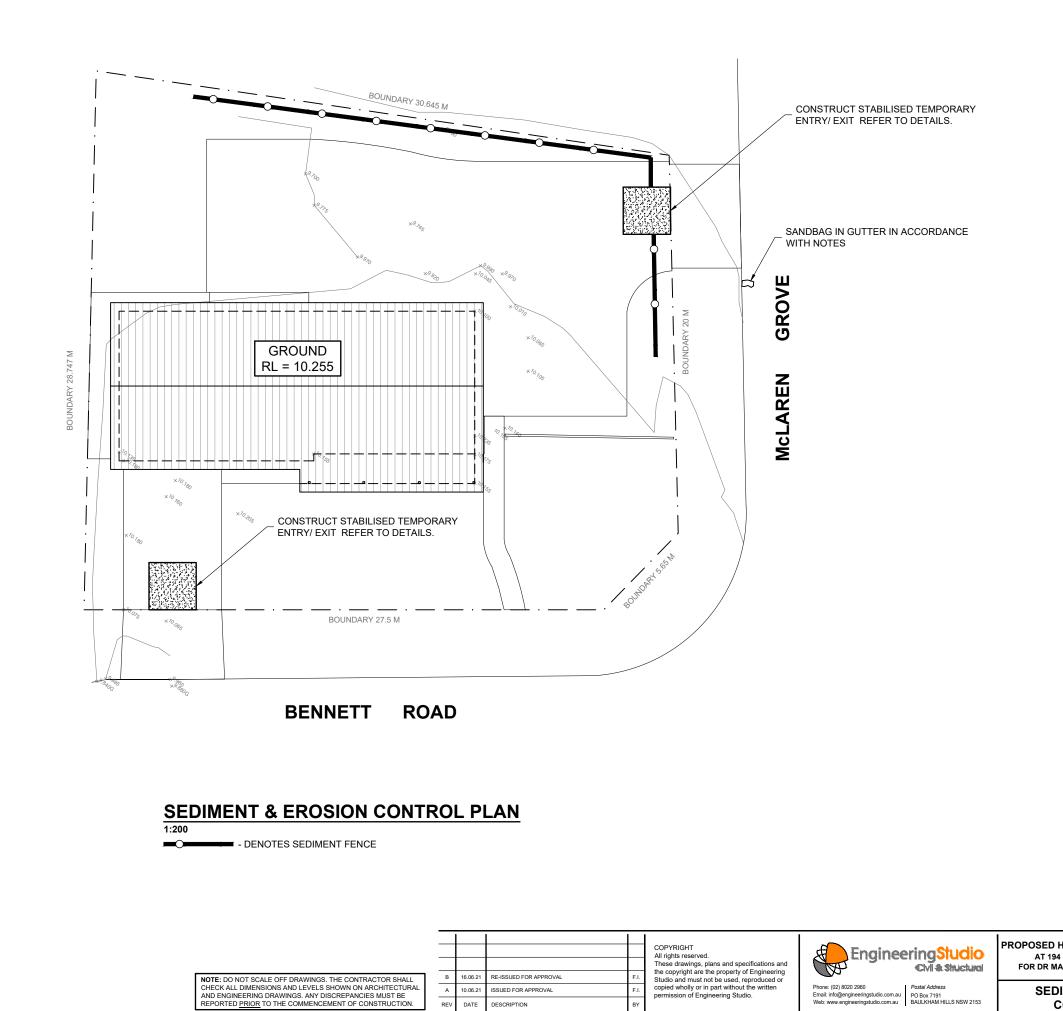
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B 16.06.21 NOTE: DO NOT SCALE OFF DRAWINGS. THE CONTRACTOR SHALL CHECK ALL DIMENSIONS AND LEVELS SHOWN ON ARCHITECTURAL AND ENGINEERING DRAWINGS, ANY DISCREPANCIES MUST BE DATE REPORTED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION REV

RE-ISSUED FOR APPROVAL A 10.06.21 ISSUED FOR APPROVAL DESCRIPTION

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ED HEALTH CONSULTING ROOMS	JOB NUMBER: 210431	DWG NUMBER: C00.01	ORIGINAL SIZE:
R MA COLE & DR STEVEN PASTRAS	DESIGNED BY: F.I.	DATE: JUNE 2021	$\langle \rangle$
GENERAL NOTES	DRAWN BY: J.J.H.	SCALE: N.T.S	\checkmark

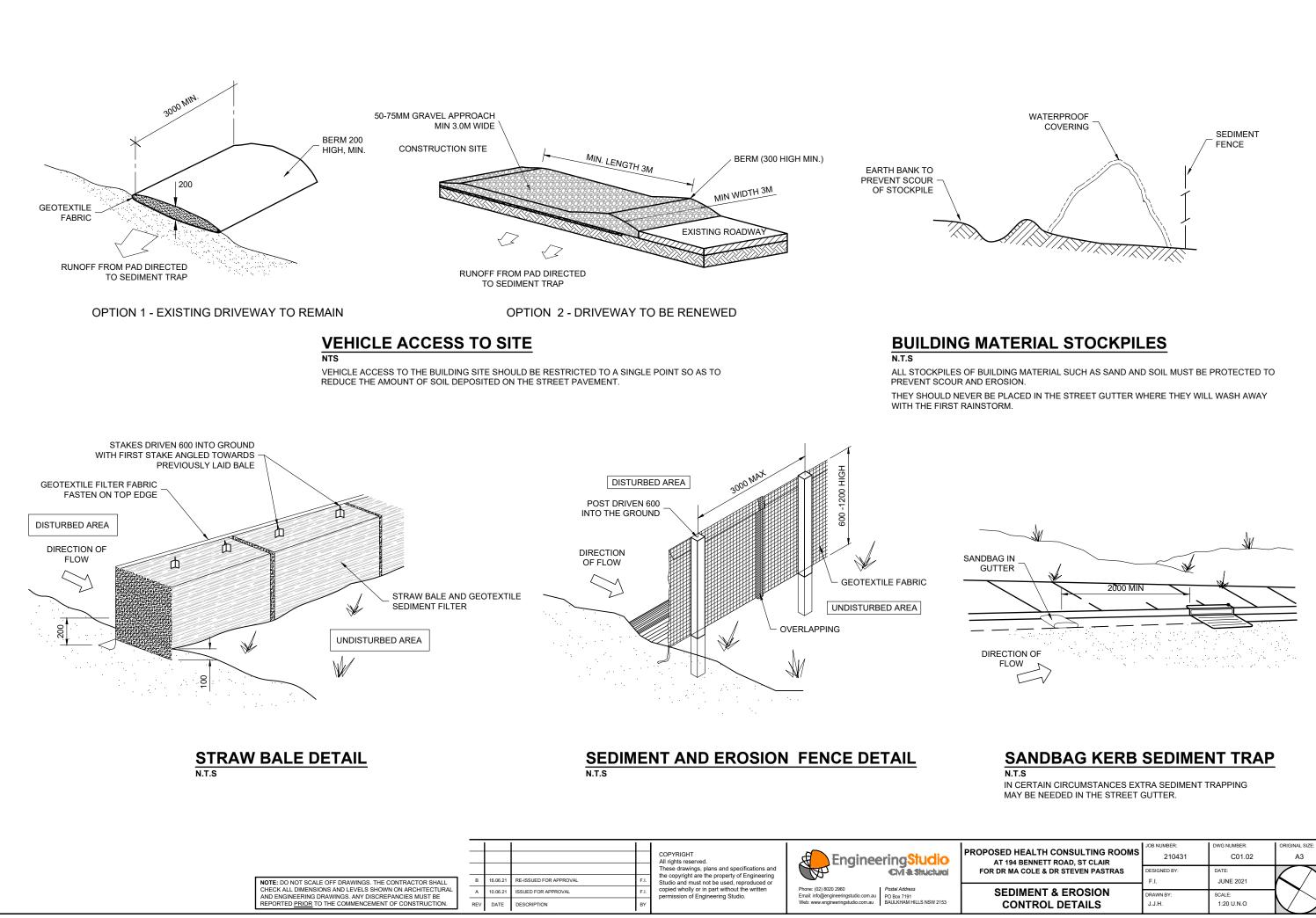


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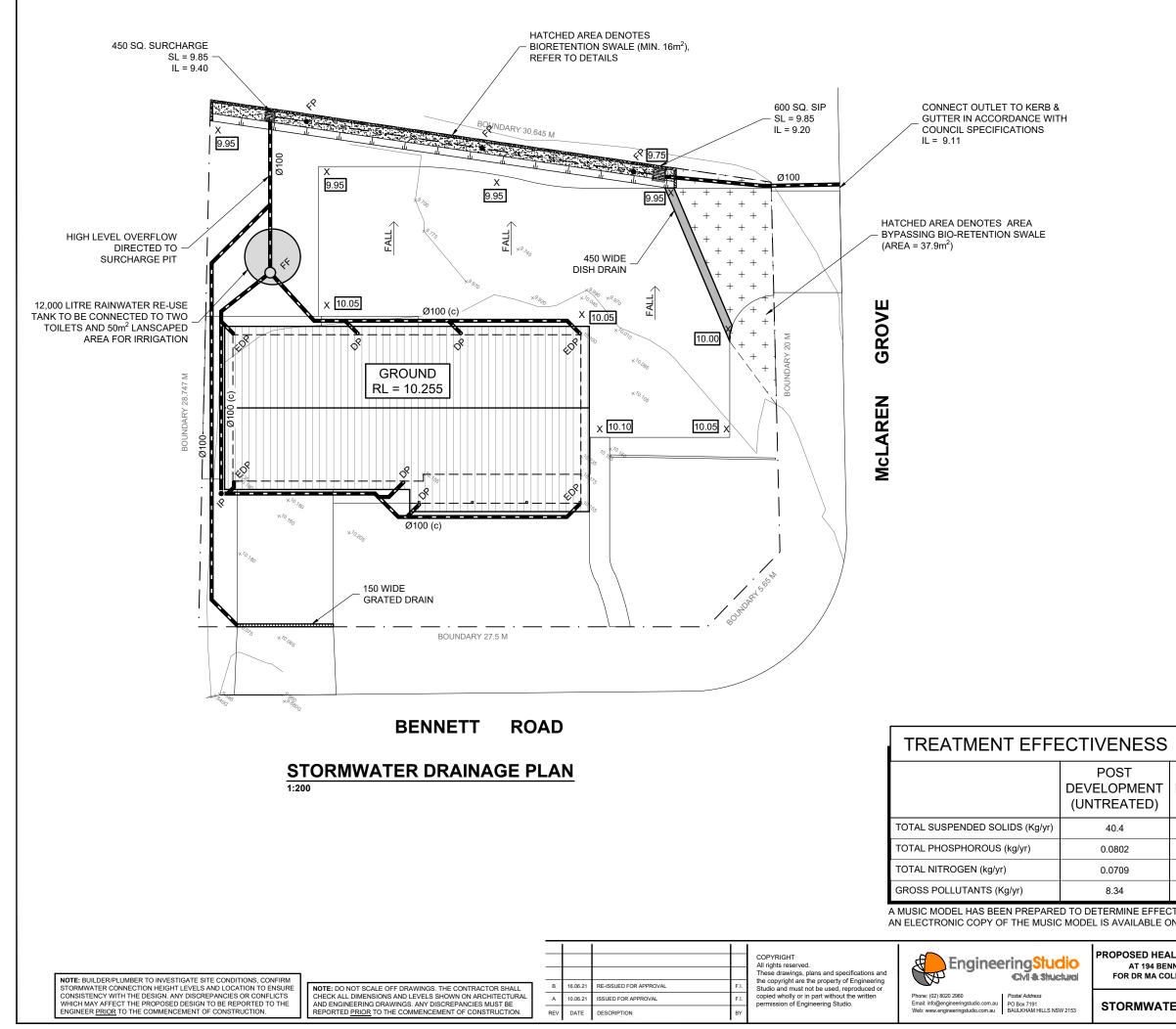
DATE DESCRIPTION

Document Set ID: 9669876 Version: 1, Version Date: 22/07/2021

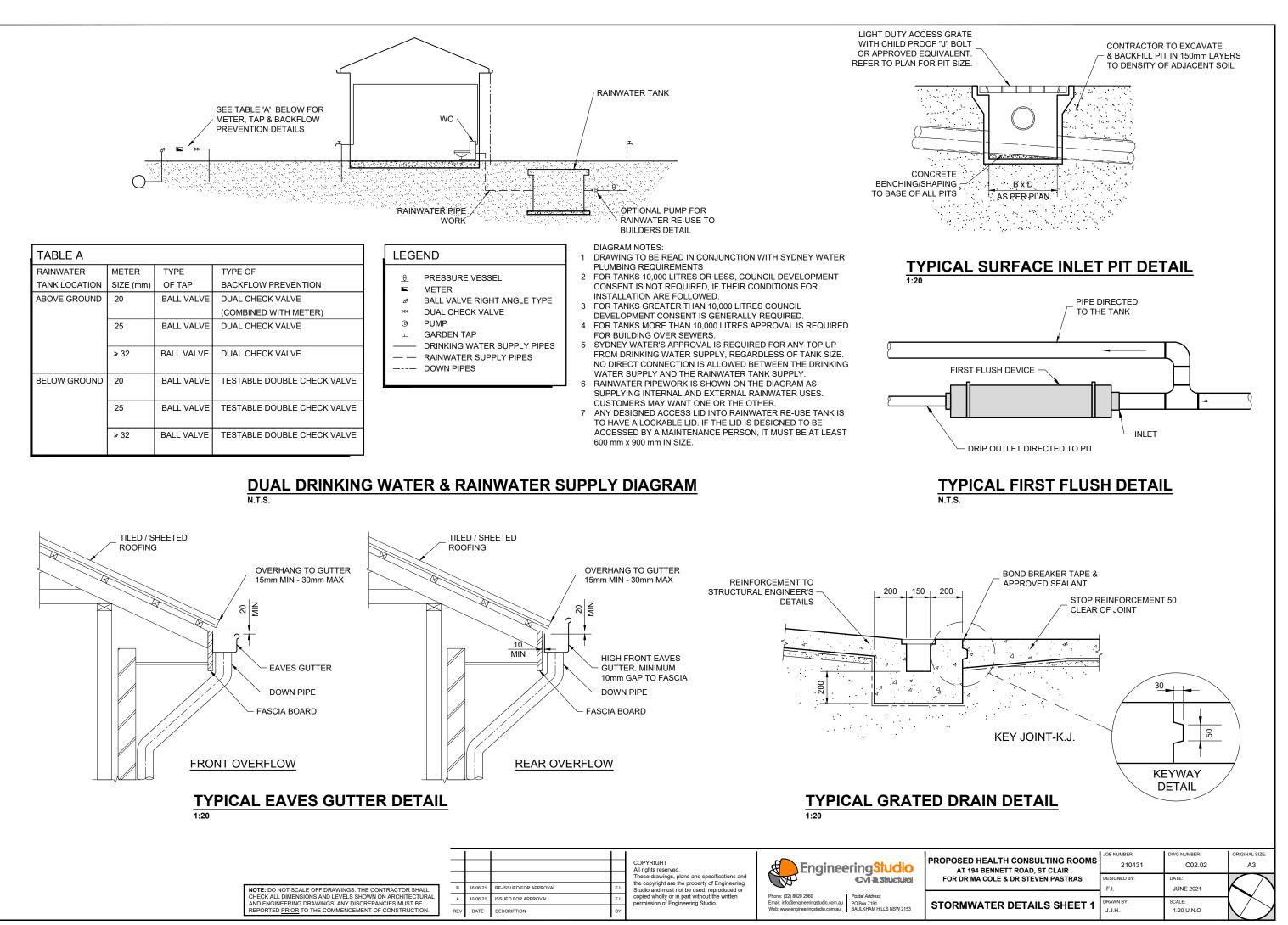
ED HEALTH CONSULTING ROOMS	JOB NUMBER: 210431	DWG NUMBER: C01.01	ORIGINAL SIZE:
R MA COLE & DR STEVEN PASTRAS	DESIGNED BY: F.I.	DATE: JUNE 2021	$\langle \rangle$
EDIMENT & EROSION CONTROL PLAN	DRAWN BY: J.J.H.	SCALE: 1:200 U.N.O	\bigtriangledown



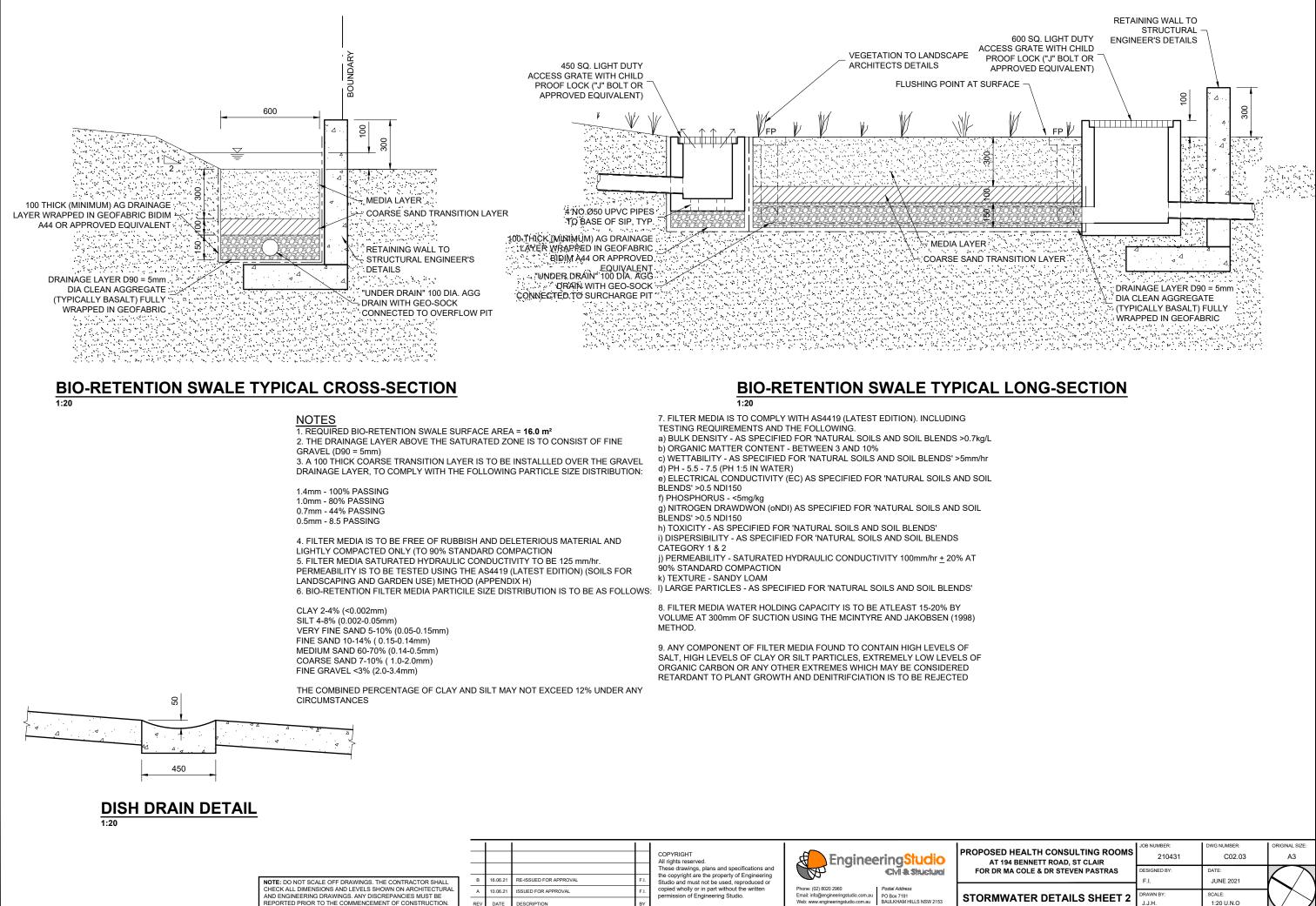
EALTH CONSULTING ROOMS	JOB NUMBER: 210431	DWG NUMBER: C01.02	ORIGINAL SIZE: A3
COLE & DR STEVEN PASTRAS	DESIGNED BY: F.I.	DATE: JUNE 2021	$\langle \rangle$
MENT & EROSION NTROL DETAILS	DRAWN BY: J.J.H.	SCALE: 1:20 U.N.O	\bigtriangledown



STORMWATER DESIGN SUMMA			
	RY		
COUNCIL: PENRITH CITY COUNCIL 100 YEAR, 5 MIN STORM 20 YEAR, 5 MIN STORM	= 240 mm/h = 179 mm/h		
TOTAL SITE AREA	= 809.2 m ²		
EXISTING ROOF AREA EXISTING IMPERVIOUS PATHS TO REMAIN PROPOSED IMPERVIOUS PATHS & DRIVEWA TOTAL IMPERVIOUS PATHS & DRIVEWAYS	= 185.6 m ² = 18.8 m ²		
TOTAL IMPERVIOUS SITE AREA IMPERVIOUS SITE PERCENTAGE	= 490.6 m ² = 61%		
100% OF ROOF WATER DIRECTED TO 12,000 RE-USE TANK TO BUILDERS DETAILS. HIGH DIRECTED TO KERB AND GUTTER VIA BIO-RE TO COUNCIL REQUIREMENTS.	LEVEL OVERFLOW		
STREAM EROSION INDEX			
SITE AREA DETERMINED TIME OF CONCENTRATION	= 809.2 m ² = 5min		
2 YEAR, 5 MIN A.R.I. Q ₂ Q _{CRITICAL}	= 93.3 mm/hr = 0.0133 = 0.00333		
Q _{POST} Q _{PRE}	= 0.0142 ML/yr = 0.00648 ML/yr		
SEI	= 2.191 < 3.50 THEREFORE OK.		
STORMWATER DRAINAGE NOTE	ES		
- MINIMUM EFFECTIVE EAVES GUTTER SIZE LEGEND Ø90 OR 100 x 50 RECTANGUI PIPE, U.N.O.			
FIFE, U.N.O.	PIPE, U.N.O.		
BUILDERS DETAIL			
X 100.00 PROPOSED FINISHED SURFACE LEVEL			
(c) CHARGED PIPE			
PROPOSED BELOW GROUND SS SUBSOIL DRAINAGE LINE	J PIPELINE		
PROPOSED SURFACE INLET	PIT		
	COUNCIL ARGETS %		
5.72 85.8	85		
0.0241 70	65		
0.256 63.9	45		
0 5 4 9 0 2 4	93.4 90		
20.546 93.4 ENESS OF WATER QUALITY TREATMENT DEVIC	CES.		
	BER: ORIGINAL SIZE:		
ENESS OF WATER QUALITY TREATMENT DEVIC EQUEST. CONSULTING ROOMS T ROAD, ST CLAIR	DRIGINAL SIZE: A3 021		



Document Set ID: 9669876 Version: 1, Version Date: 22/07/2021



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HEALTH CONSULTING ROOMS	JOB NUMBER: 210431	DWG NUMBER: C02.03	ORIGINAL SIZE:
A COLE & DR STEVEN PASTRAS	DESIGNED BY: F.I.	DATE: JUNE 2021	$\langle \rangle$
ATER DETAILS SHEET 2	DRAWN BY: J.J.H.	SCALE: 1:20 U.N.O	\bigtriangledown