PROPOSED BOARDING HOUSE 1 STATION LANE, PENRITH STORMWATER CONCEPT DESIGN



DRAWINGS LIST				
SHEET No.	DWG No.	TITLE	REV	
1	SW100	COVER SHEET	A	
2	SW200	STORMWATER CONCEPT DESIGN - GROUND FLOOR PLAN	A	
3	SW201	STORMWATER CONCEPT DESIGN - ROOF PLAN	A	
4	SW300	STORMWATER CONCEPT DESIGN - DETAILS SHEET	A	
5	SW400	EROSION AND SEDIMENT CONTROL - PLAN AND DETAILS	A	
6	SW500	STORMWATER CONCEPT DESIGN - MUSIC CATCHMENT PLAN	A	

LOCALITY PLAN NOT TO SCALE COPYRIGHT OF SIXMAP



PREPARED BY:

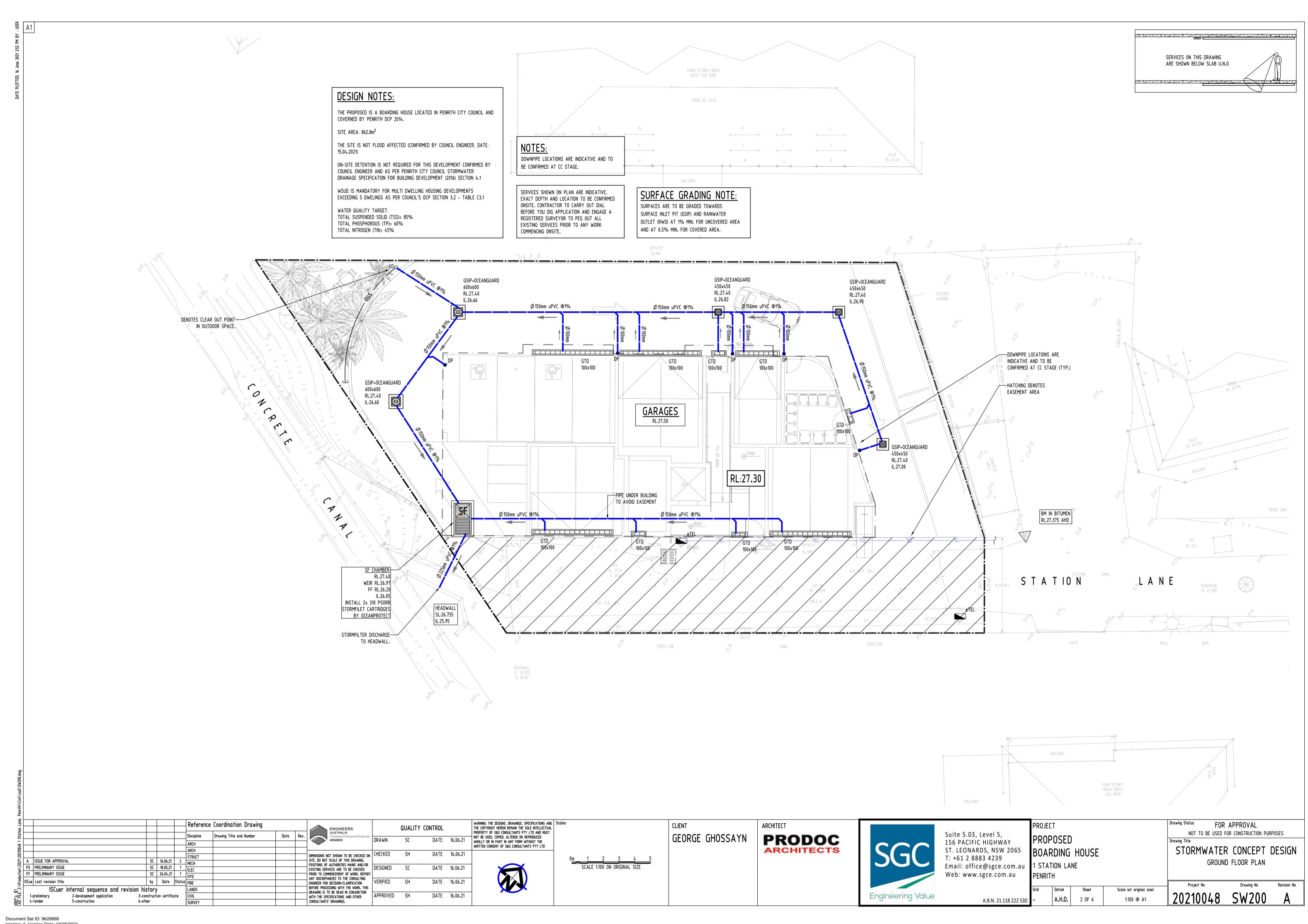
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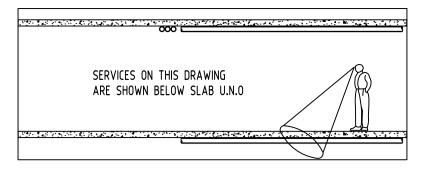
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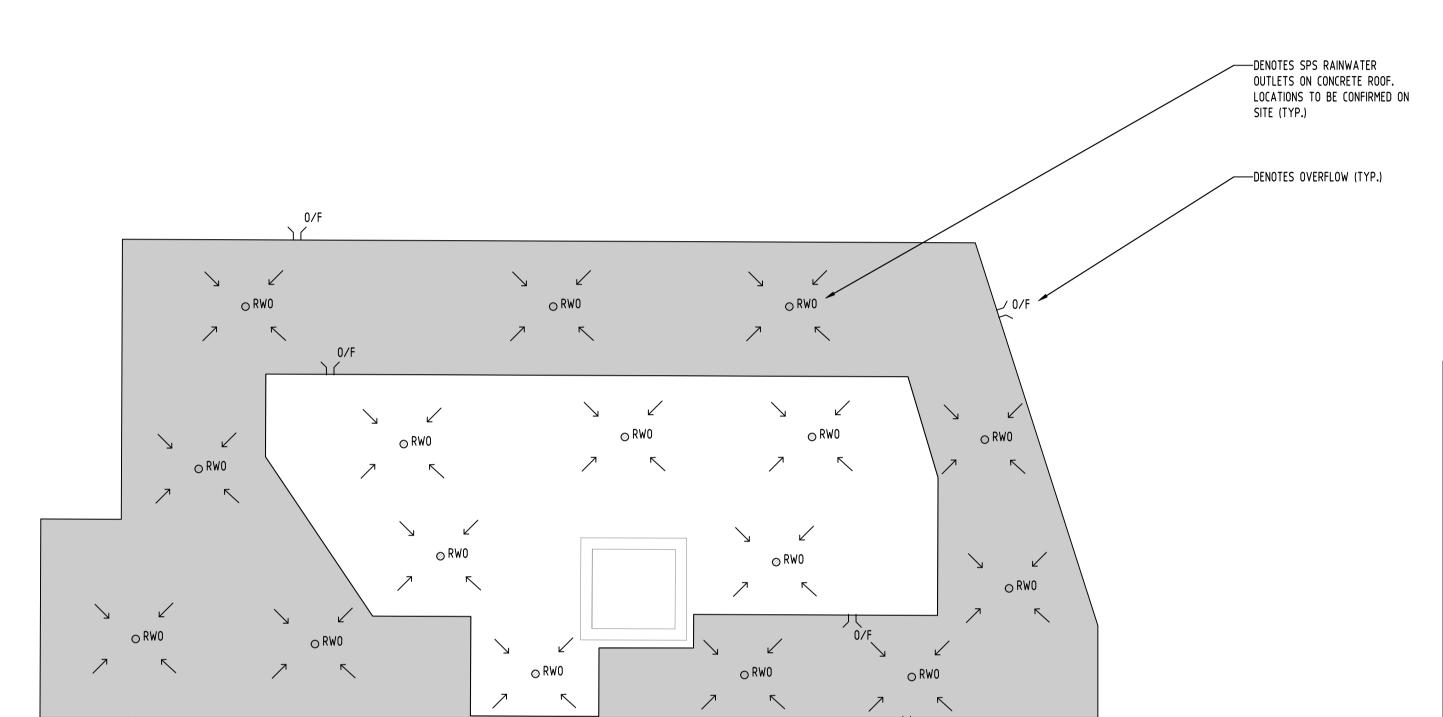


CLIENT:

GEORGE GHOSSAYN







CONCRETE ROOF DRAINAGE NOTES:

1. ALL STORMWATER PIPES SHOWN ON PLAN ARE Ø 100mm uPVC

AND SLOPING AT 1.0% (MIN) U.N.O. 2. INSTALL 50mm uPVC SPITTER PIPES 20mm ABOVE SURFACE

LEVEL FOR BALCONY AND CONCRETE ROOF AREAS TO ALLOW FOR EMERGENCY OVERFLOW IN CASE OF BLOCKAGE DURING HEAVY STORM. PLUMBER/CONTRACTOR TO LOCATION DURING CONSTRUCTION.

3. BALCONY, TERRACE & CONCRETE ROOF AREA TO SLOPE TOWARDS RAINWATER OUTLETS (TYP.)

4. PROVIDE BREAK/CUT IN HOB OR SIMILAR ADEQUATE

STORMWATER DRAINAGE FEATURE, WHERE REQUIRED (TYP.) 5. STORMWATER PIPES TO BE CONCEALED WITH FALSE CEILING,

6. PLUMBER TO PROVIDE SPEARDER DOWNPIPE; WHERE REQUIRED TO DIRECT STORMWATER ONTO LOWER ROOF AREAS.

7. ALL BUILDING & HYDRAULIC SERVICES TO BE PROPERLY CO-ORDINATED WITH STORMWATER PIPES TO ENSURE NO CLASHES ARE PRESENT DURING CONSTRUCTION (TYP.)

COLUMNS AND BULKHEADS, IF REQUIRED.

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n Lane,						Reference	Coordination Drawing			ENGINEERS		QUALITY	CONTROL	
Station						Discipline	Drawing Title and Number	Date	Rev.	AUSTRALIA Chartered Professional Engineer				
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ij	P1	PRELIMINARY ISSUE	SC	26.04.21	1	HYD				PRIOR TO COMMENCEMENT OF WORK. REPORT				
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PROJECT

Datum

A.H.D.

3 OF 6

1:100 @ A1

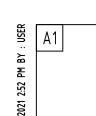
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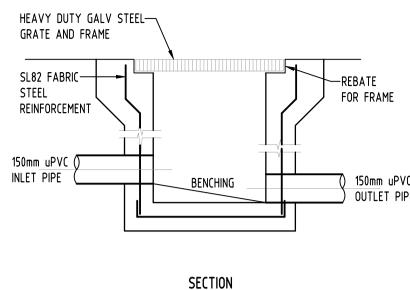
ROOF PLAN

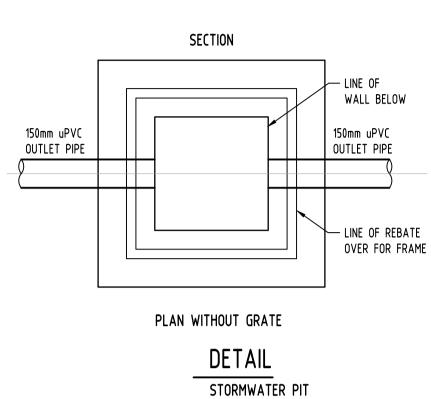
Revision No

Scale (at original size)

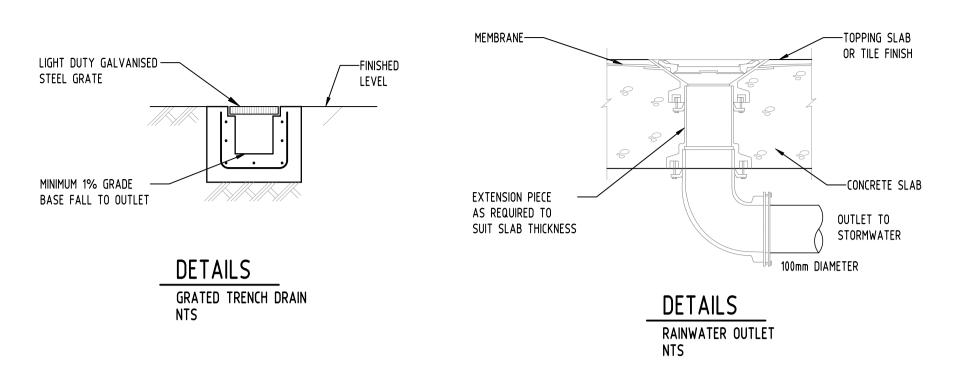
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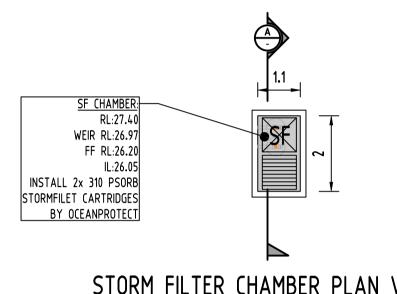


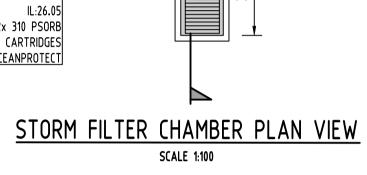


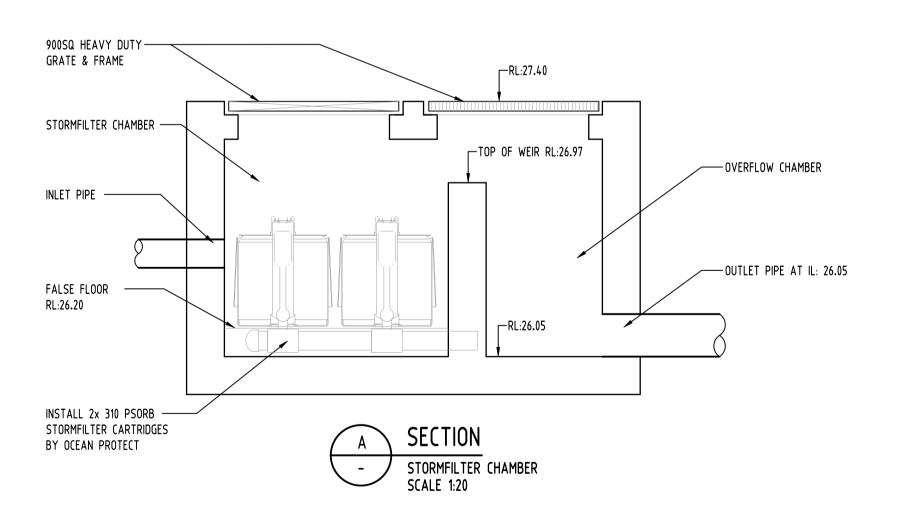


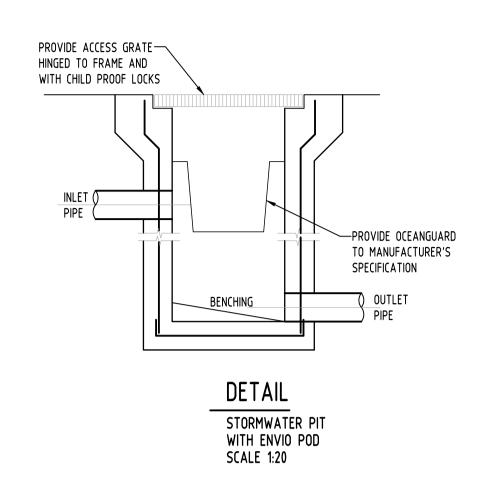
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	<u>LEGEND</u>
	EXISTING BOUNDARY
	STORMWATER LINE
TEL——	AUTHORITY COMMS LINE
eTEL	EXISTING TELSTRA PIT
	EXISTING GRATED SURFACE INLET PIT
	GRATED SURFACE INLET PIT + OCEANGUARD
	GRATED SURFACE INLET PIT
	JUNCTION PIT
	GRATED TRENCH DRAIN
RW0	RAINWATER OUTLET
•	DOWNPIPE DROP
● ^{DP}	DOWNPIPE
RL00.00	SPOT LEVEL

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2-development application

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Reference Coordination Drawing

Discipline

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6-other

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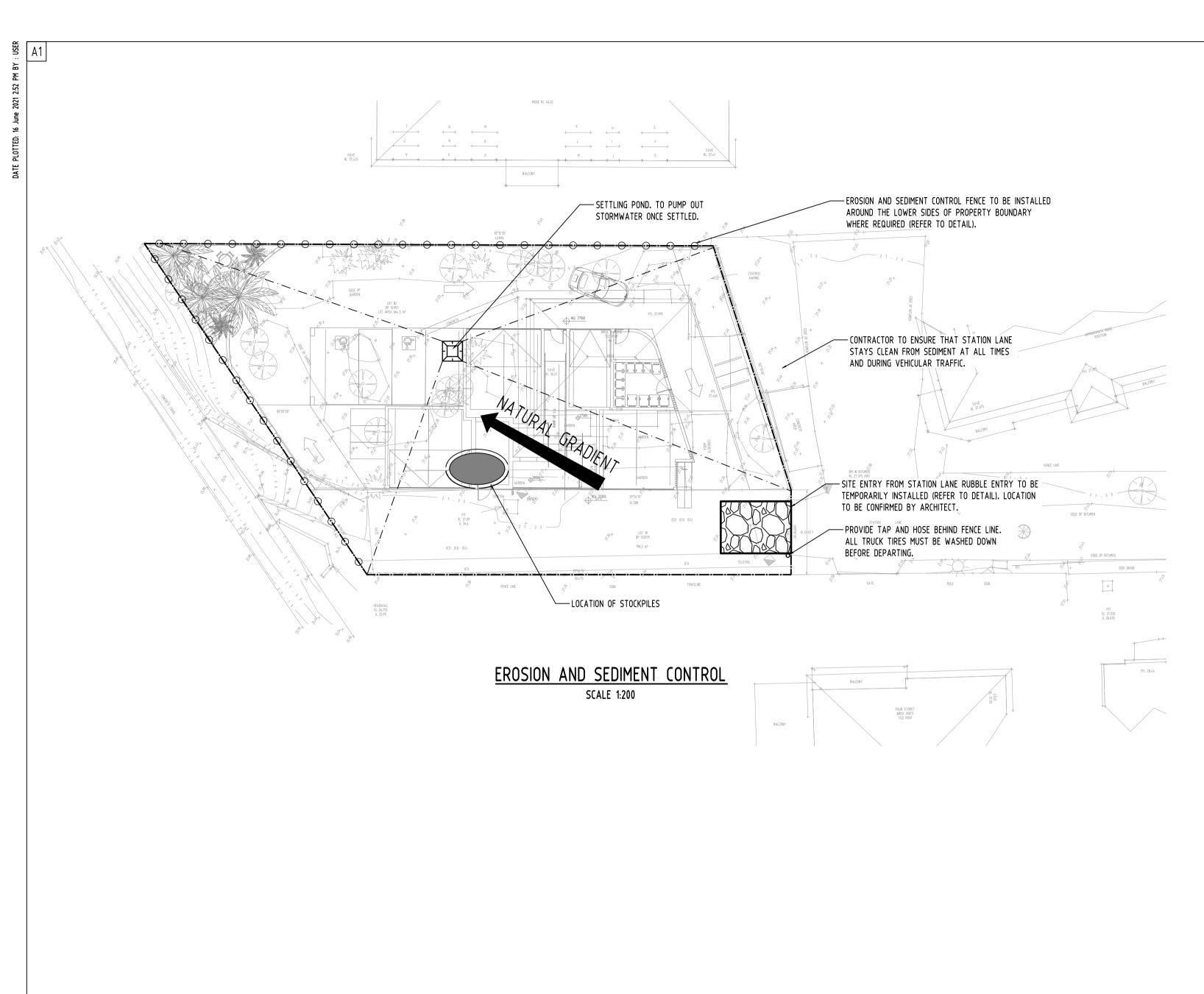
4 OF 6

A.H.D.

FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES STORMWATER CONCEPT DESIGN

DETAILS SHEET Revision No AS SHOWN

4-tender



EROSION & SEDIMENTATION CONTROL <u>NOTES</u>

- 1. CONTRACTOR SHALL PROVIDE SEDIMENT FENCING MATERIAL DURING CONSTRUCTION TO THE LOW SIDE OF THE WORKS. TIE SEDIMENT FENCING MATERIAL TO CYCLONE WIRE SECURITY FENCE. SEDIMENT CONTROL FABRIC SHALL BE AN APPROVED MATERIAL (EG. HUMES PROPEX SILT STOP) STANDING 300mm ABOVE GROUND & EXTENDING 150mm BELOW GROUND.
- 2. EXISTING DRAINS LOCATED WITHIN THE SITE SHALL ALSO BE ISOLATED BY SEDIMENT FENCING MATERIAL.
- 3. NO PARKING OR STOCKPILING OF MATERIALS IS PERMITTED ON THE LOWER SIDE OF THE SEDIMENT FENCE.
- 4. GRASS VERGES SHALL BE MAINTAINED AS MUCH AS PRACTICAL TO PROVIDE A BUFFER ZONE TO THE CONSTRUCTION SITE.
- 5. CONSTRUCTION ENTRY/EXIT SHALL BE VIA THE LOCATION NOTED ON THE DRAWING. CONTRACTOR SHALL ENSURE ALL DROPPABLE SOIL & SEDIMENT IS REMOVED PRIOR TO CONSTRUCTION TRAFFIC EXITING SITE. CONTRACTOR SHALL ENSURE ALL CONSTRUCTION TRAFFIC ENTERING & LEAVING THE SITE DO SO IN A FORWARD DIRECTION.

OVERFLOW ---

RUNOFF WATER —

WITH SEDIMENT

TIMBER SPACER TO SUIT

SEDIMENT -

GRAVEL FILLED WIRE MESH-

OR GEOTEXTILE 'SAUSAGE'

GENERAL NOTES

- 1. THIS PLAN IS A CONCEPT PLAN ONLY FOR STORMWATER DISPOSAL & EROSION CONTROL. IT IS NOT SUITABLE FOR CONSTRUCTION. THIS PLAN SHOULD BE ADAPTED BY THE BUILDER DURING DEMOLITION, EXCAVATION & CONSTRUCTION PHASES TO ENSURE ADEQUATE PERFORMANCE.
- 2. ALL DRAINAGE LAYOUT & DETAILS ARE DIAGRAMMATIC & INDICATIVE ONLY. ACTUAL LOCATION, SIZES, LEVELS & GRADES MAY ALTER WHEN DETAIL DESIGN WORKS ARE DOCUMENTED.

CLAY SOILS

←KERB-SIDE INLET

—TIMBER SPACER TO SUIT

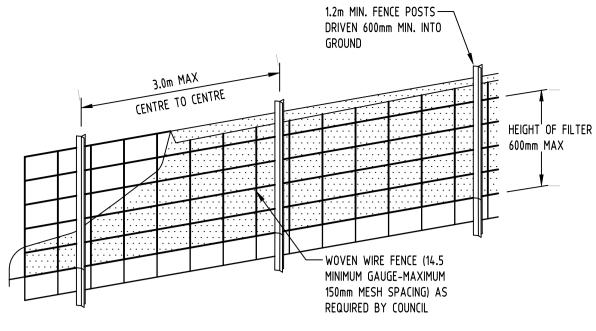
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OR GEOTEXTILE 'SAUSAGE'

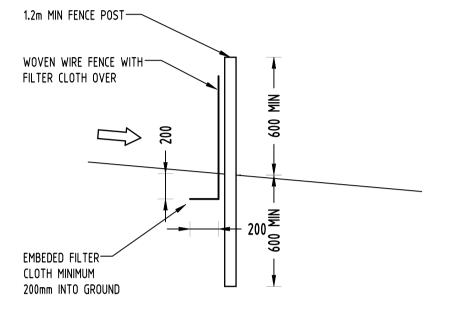
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FILTERED WATER

- A SYSTEM SHALL BE INSTALLED TO EITHER:
- 1. TRANSPORT STORMWATER RUNOFF WITH SUSPENDED SOLIDS FROM SITE VIA PUMP TRUCKS.
- 2. TREAT THE STORMWATER RUNOFF WITH SUSPENDED SOLIDS SO THE DISCHARGE WATER QUALITY TO COUNCIL STORMWATER DRAINAGE SYSTEM HAS A MAXIMUM CONCENTRATION OF SUSPENDED SOLIDS THAT DOES NOT EXCEED 50 MILLIGRAMS PER LITRE IN ACCORDANCE WITH THE PROTECTION OF THE ENVIRONMENT OPERATION ACT (POEO 1997) AND SHALL BE APPROVED BY LOCAL COUNCIL



DIAGRAMMATIC VIEW



TYPICAL SECTION

CONSTRUCTION NOTES:

FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAT THE LENGTH OF THE INLET PIT

FILL THE SLEEVE WITH 25mm TO 50mm GRAVEL

FORM AN ELLIPTICAL CROSS-SECTION OF THE KERB INLET LEAVING A 100mm GAP AT THE TOP TO ACT AS AN EMERGENCY SPILLWAY

MAINTAIN THE OPENING WITH SPACER BLOCKS

FORM A SEAL WITH THE KERBING AND PREVENT SEDIMENT BYPASSING THE FILTER

FIT TO ALL KERB INLETS AT SAG POINTS

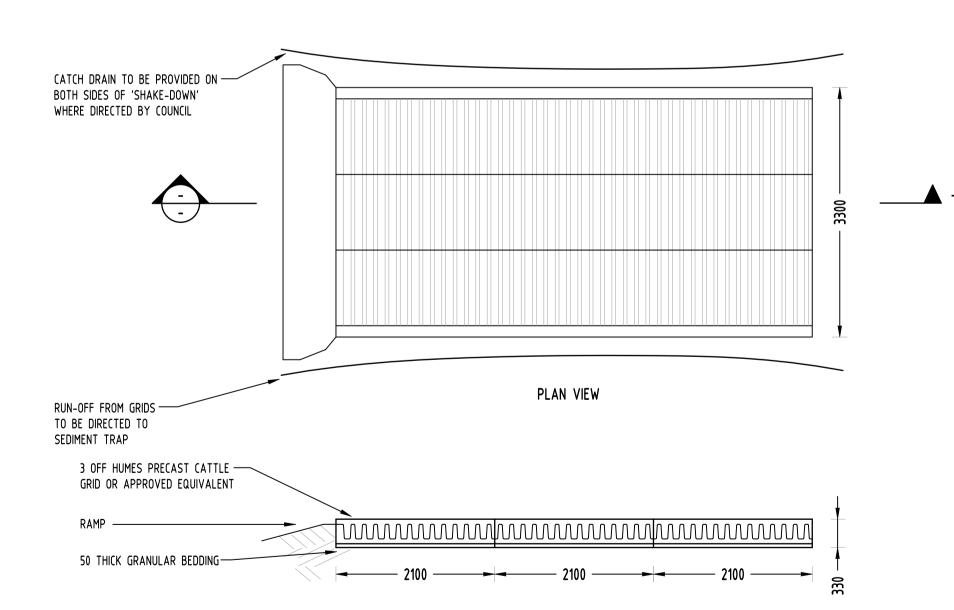
GEOTEXTILE INLET FILTER

SEDIMENT FENCE

NOT TO SCALE

GEOTEXTILE INLET FILTER IS PLACED IN EVERY PIT WITHIN THE SITE TO ENSURE THE RUNOFF WATER DURING CONSTUCTION NOT ENTER THE PITS.

GRAVEL INLET FILTER (SAUSAGE)



TYPICAL SECTION

'CATTLE GRID' ALTERNATIVE TEMPORARY CONSTRUCTION EXIT NOT TO SCALE

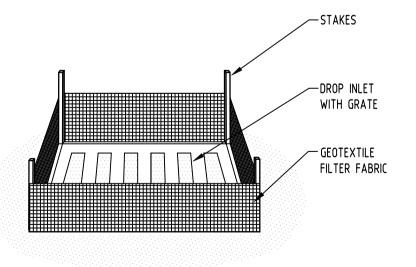
LEGEND —O—O—O—SEDIMENT FENCE STABILISED SITE ACCESS SANDBAGS

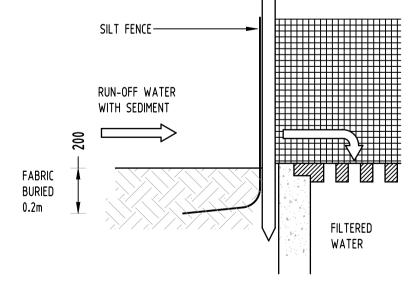
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3-construction certificate

6-other





GEOTEXTILE INLET FILTER NOT TO SCALE

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DATE 16.06.21

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ARCHITECT GEORGE GHOSSAYN

PRODOC ARCHITECTS



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PROJECT **BOARDING HOUSE PENRITH**

Datum

A.H.D.

5 OF 6

Scale (at original size)

1:200 @ A1

FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES **EROSION AND SEDIMENT CONTROL**

Revision No

PLAN AND DETAILS

Document Set ID: 9629898 Version: 1, Version Date: 18/06/2021

4-tender

PRELIMINARY ISSUE

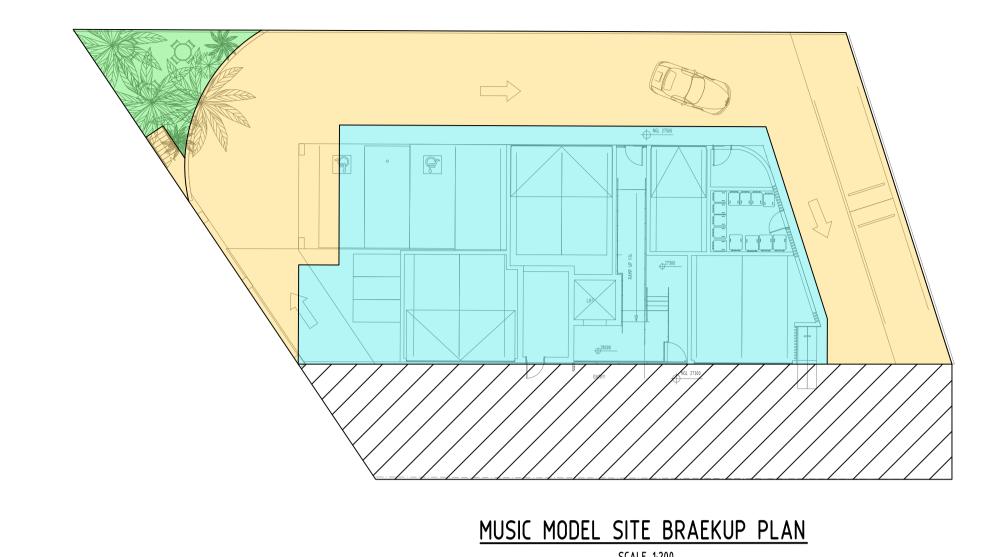
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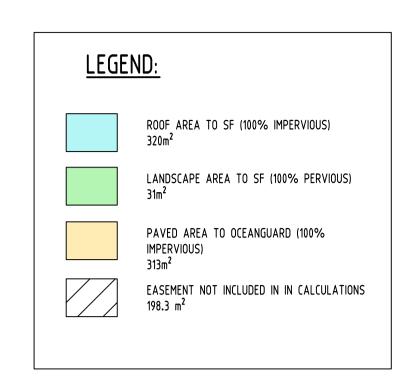
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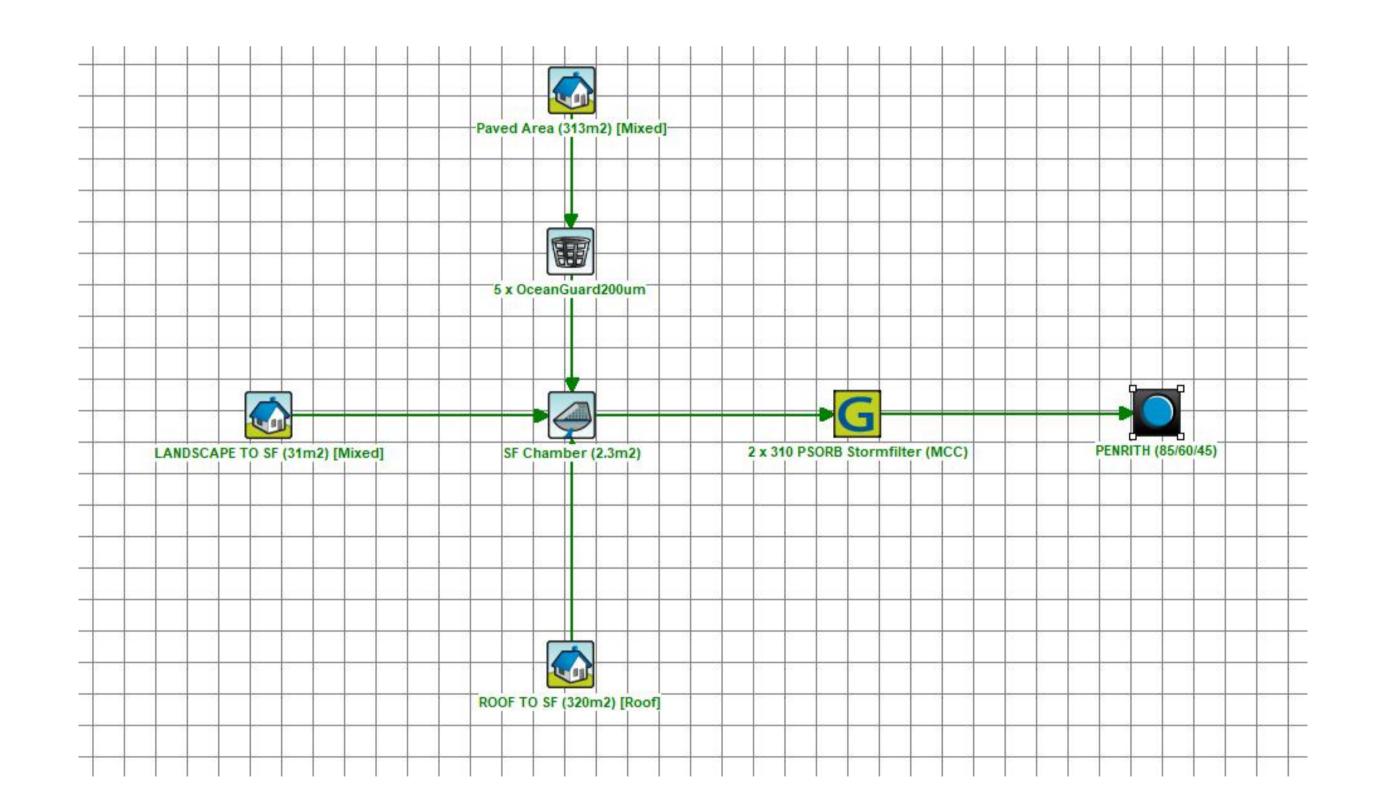
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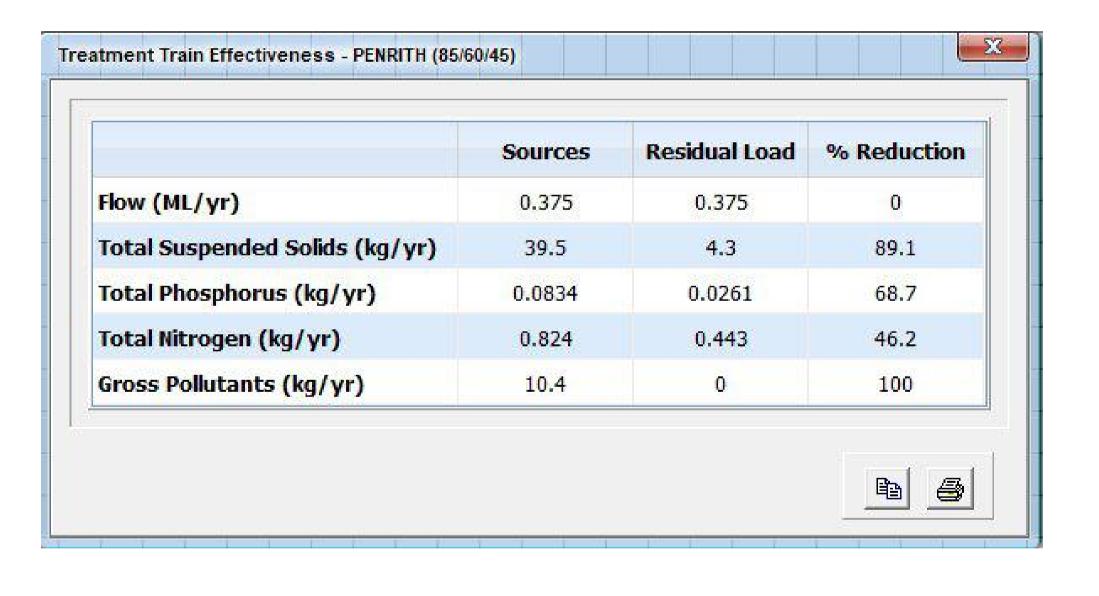








CONSULTANTS' DRAWINGS.



FOR APPROVAL

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STORMWATER CONCEPT DESIGN

MUSIC CATHCMENT PLAN

Scale (at original size)

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6 OF 6

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P1 PRELIMINARY ISSUE Email: office@sgce.com.au 1 STATION LANE DATE 16.06.21 Web: www.sgce.com.au PENRITH ANY DISCREPANCIES TO THE CONSULTING ISCue Last revision title ENGINEER FOR DECISION/CLARIFICATION ISCuer internal sequence and revision history BEFORE PROCEEDING WITH THE WORK. THIS DRAWING IS TO BE READ IN CONJUNCTION
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. 4-tender

5-construction

6-other