# SW100

# MIXED USE DEVELOPMENT 4 DELMAR PDE & 812 PITTWATER ROAD, DEE WHY STORMWATER CONCEPT DESIGN



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LOCALITY PLAN NOT TO SCALE COPYRIGHT OF SIX MAPS



#### PREPARED BY:

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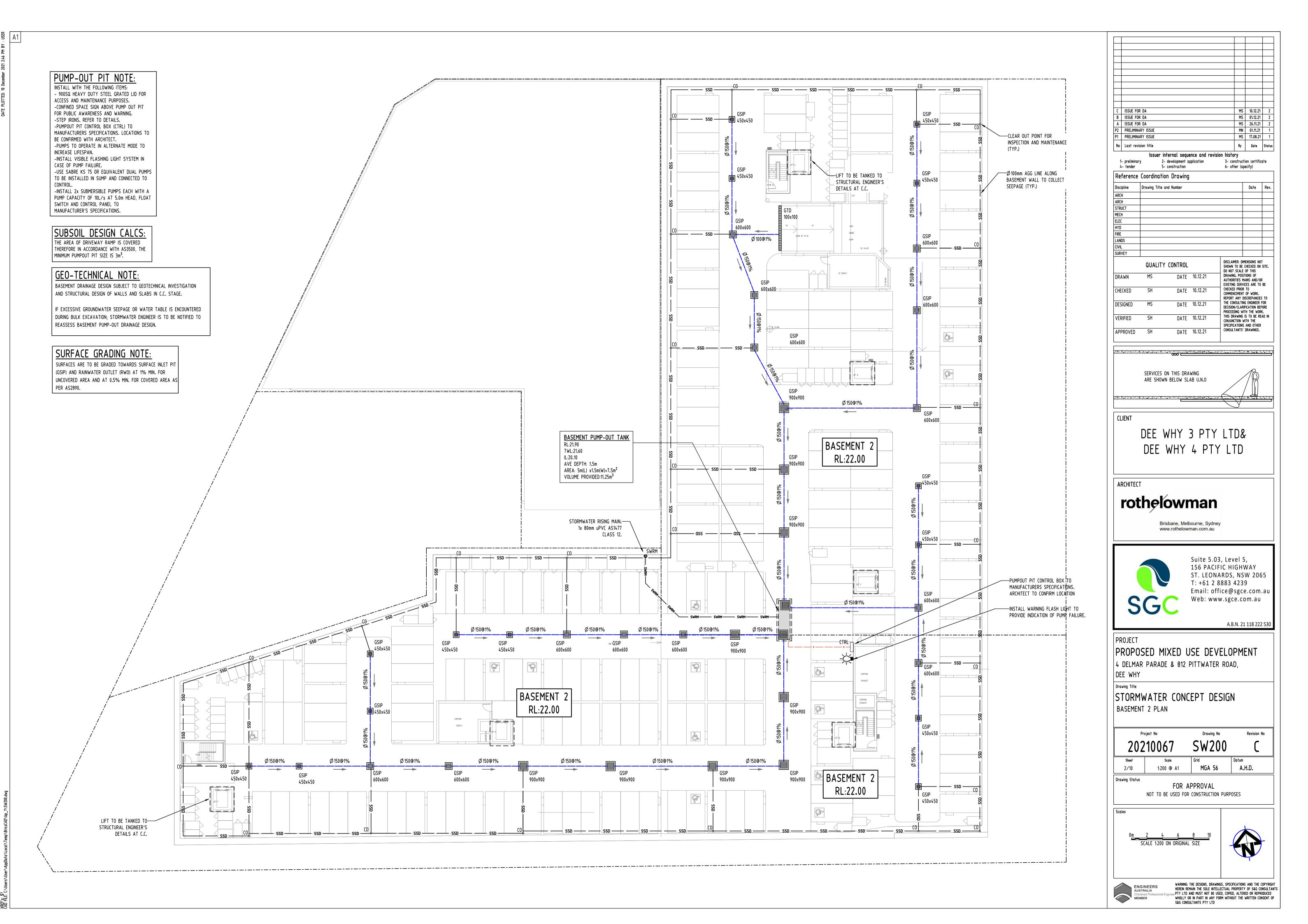
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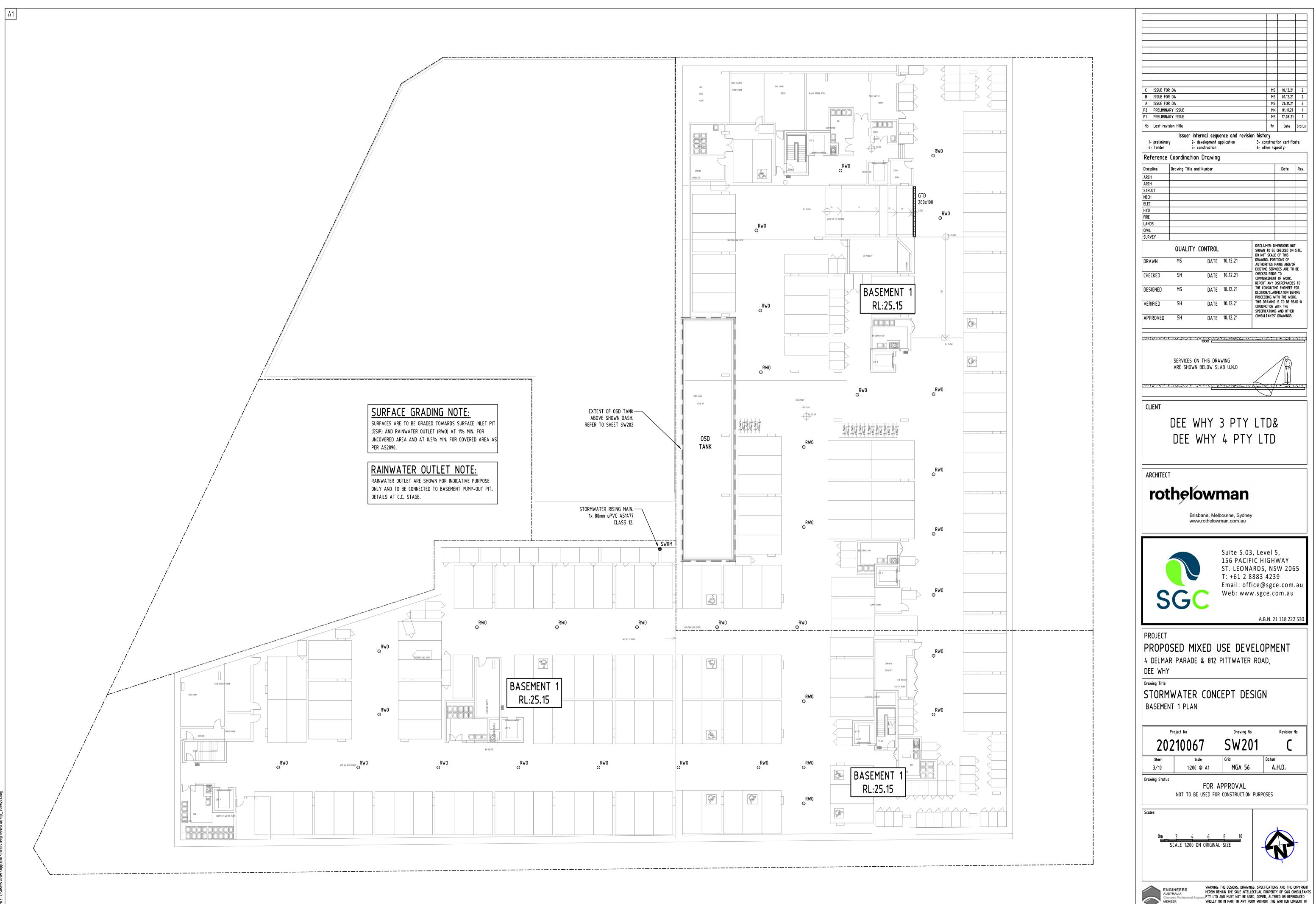
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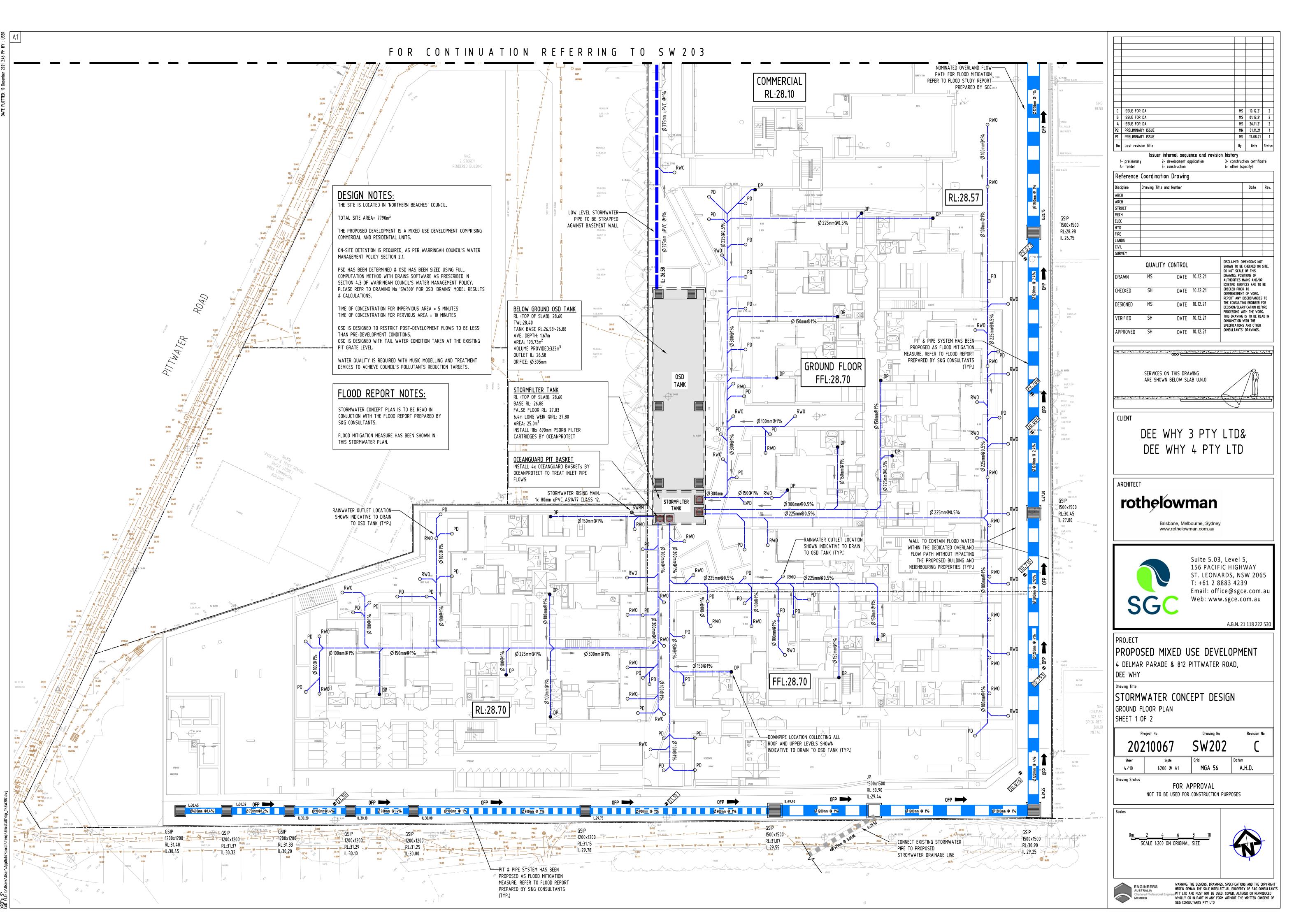
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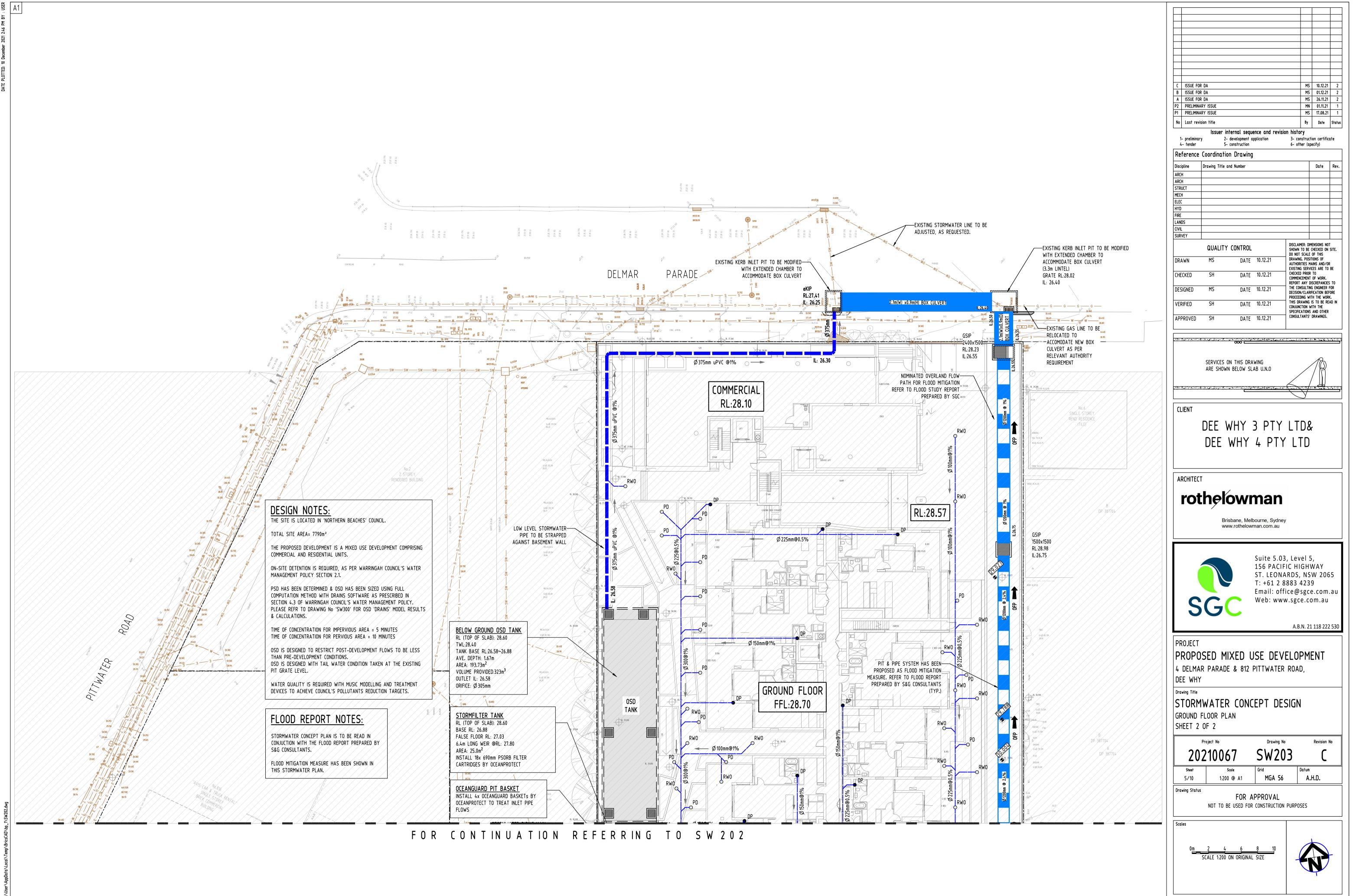
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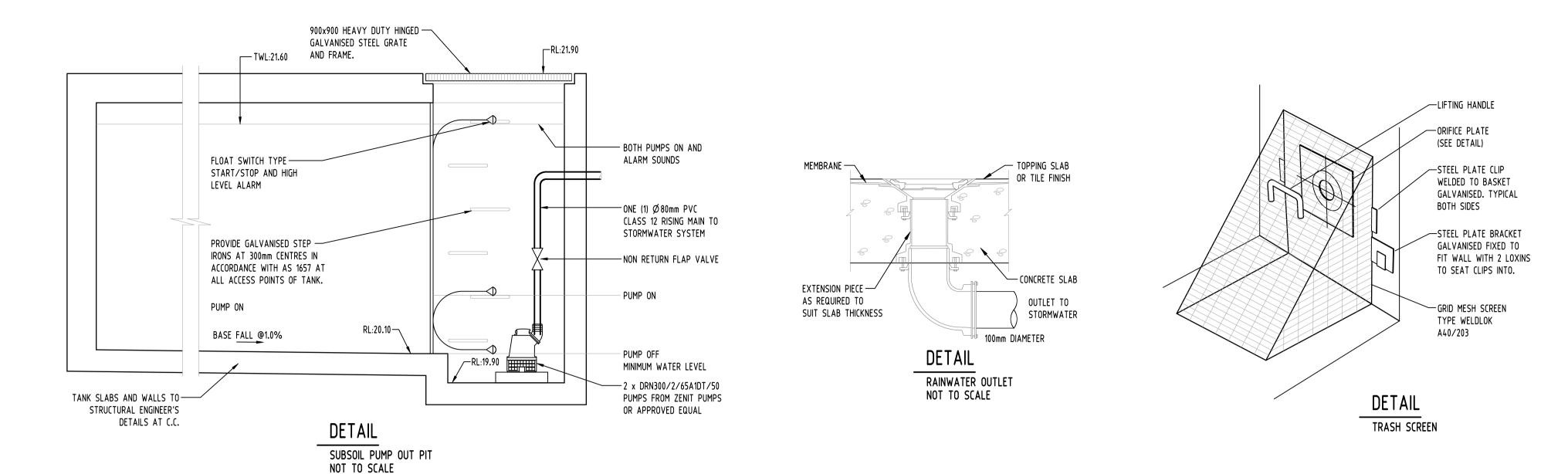


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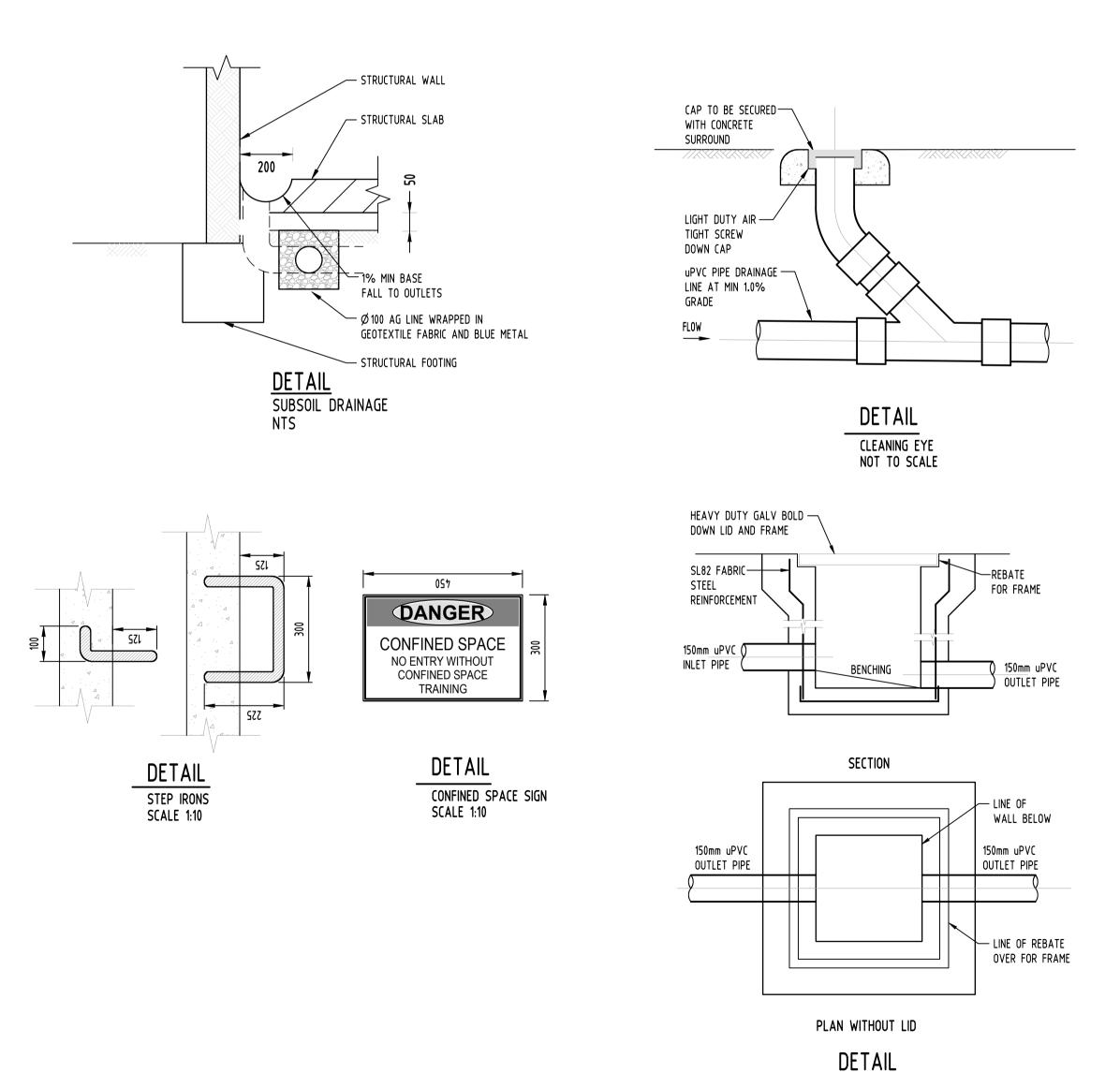


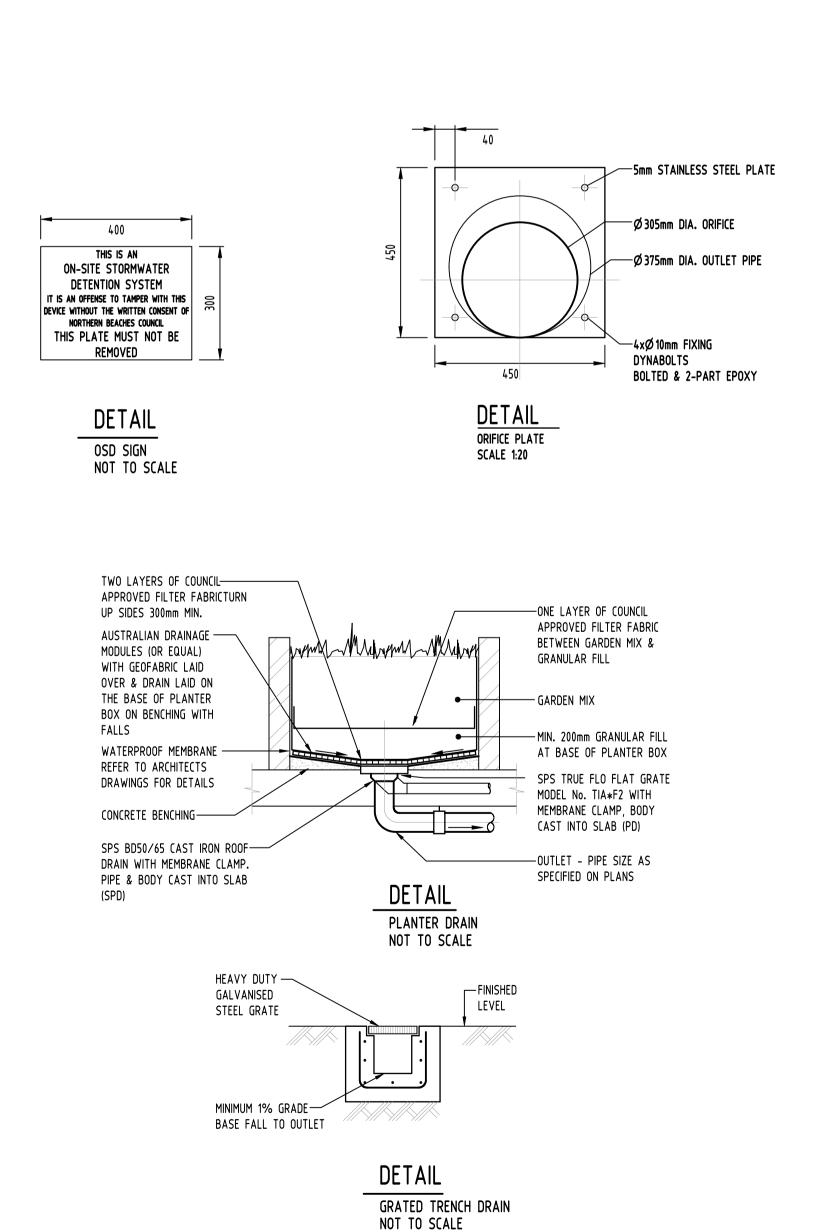
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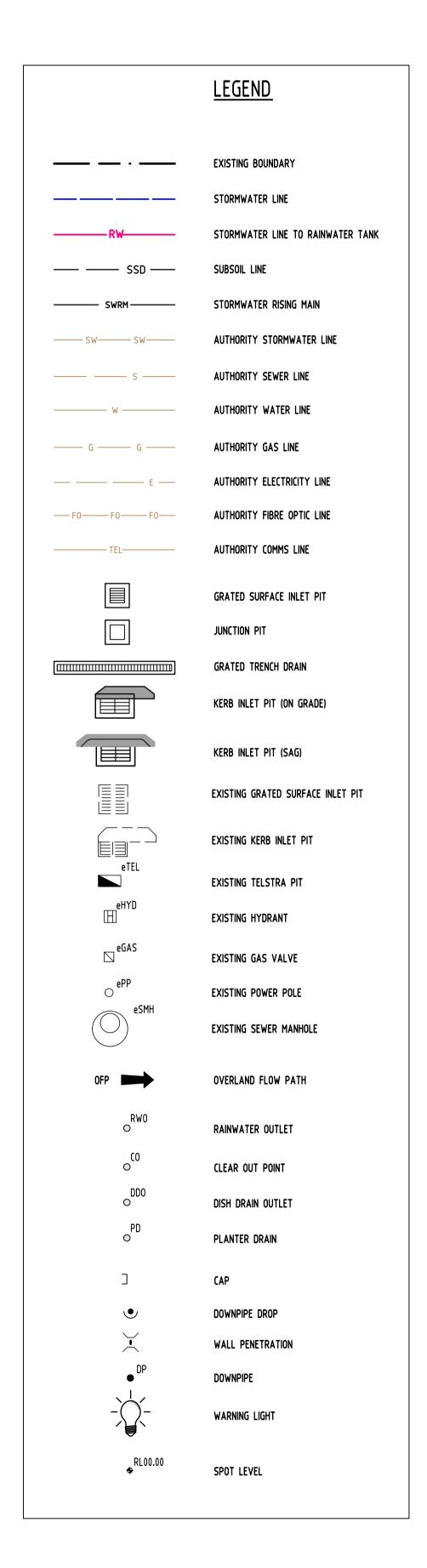


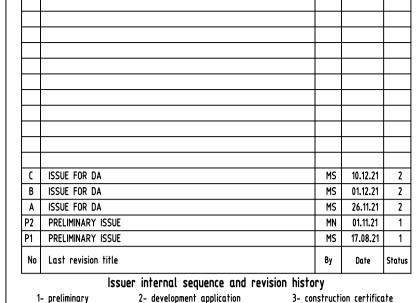
STORMWATER PIT

NOT TO SCALE









2- development application 3- construction certificate 4- tender 5- construction 6- other (specify)

Discipline	Drawing Title and Number	Date	Rev.	
ARCH				
ARCH				
STRUCT				
MECH				
ELEC				
HYD				
FIRE				
LANDS				
CIVIL				
SURVEY				
	QUALITY CONTROL	DISCLAIMER: D SHOWN TO BE	IMENSIONS NOT	

Reference Coordination Drawing

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Drawing Title

PROJECT PROPOSED MIXED USE DEVELOPMENT 4 DELMAR PARADE & 812 PITTWATER ROAD, DEE WHY

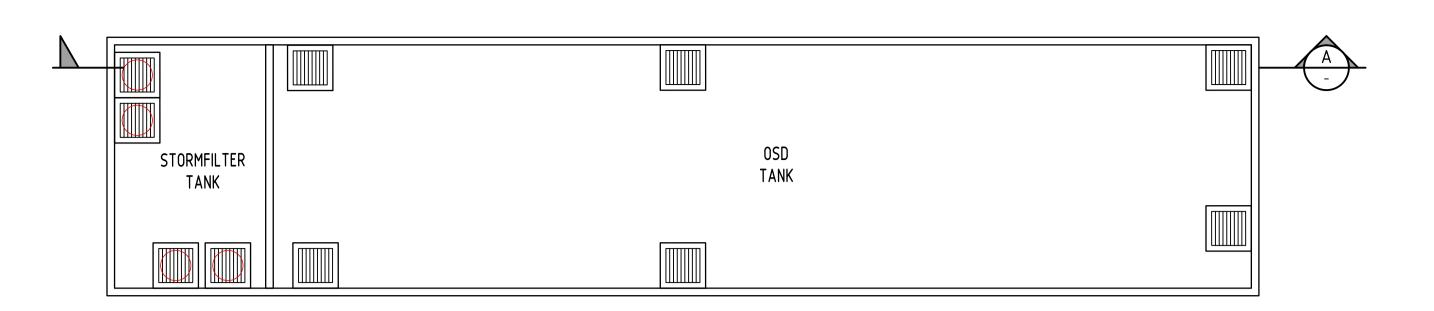
STORMWATER CONCEPT DESIGN DETAILS SHEET SHEET 1 OF 2

Pr	oject No	Drawing No	Revision No	
202	10067	SW300		
Sheet	Scale	Grid	Datum	
6/10	AS SHOWN	MGA 56	A.H.D.	

Drawing Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES

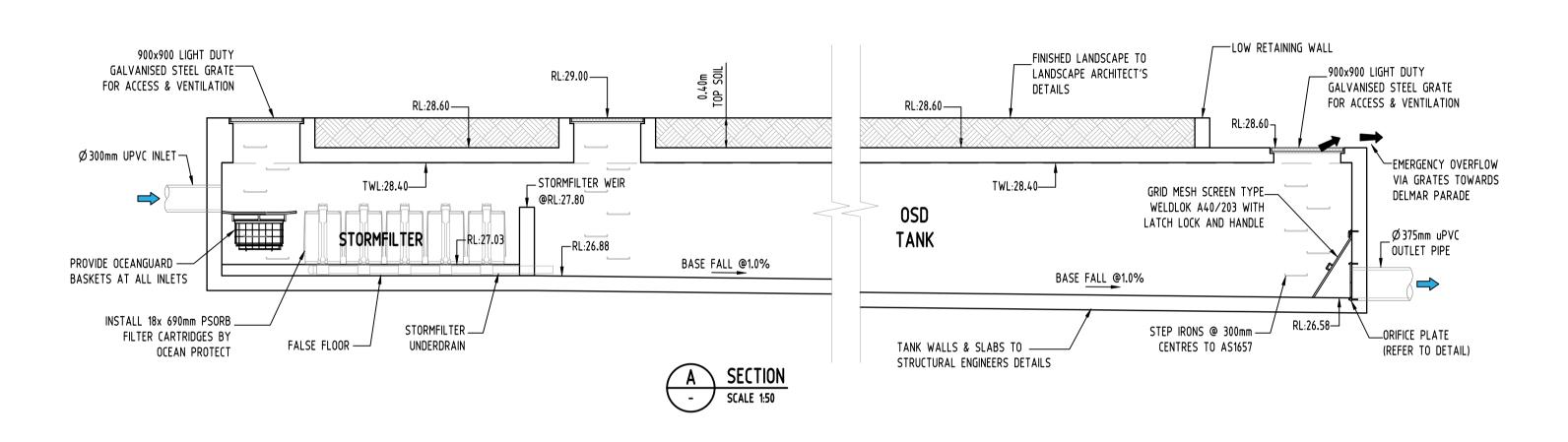
0,1 0,2 0,3 0,4 0,5 SCALE 1:10 ON ORIGINAL SIZE SCALE 1:20 ON ORIGINAL SIZE

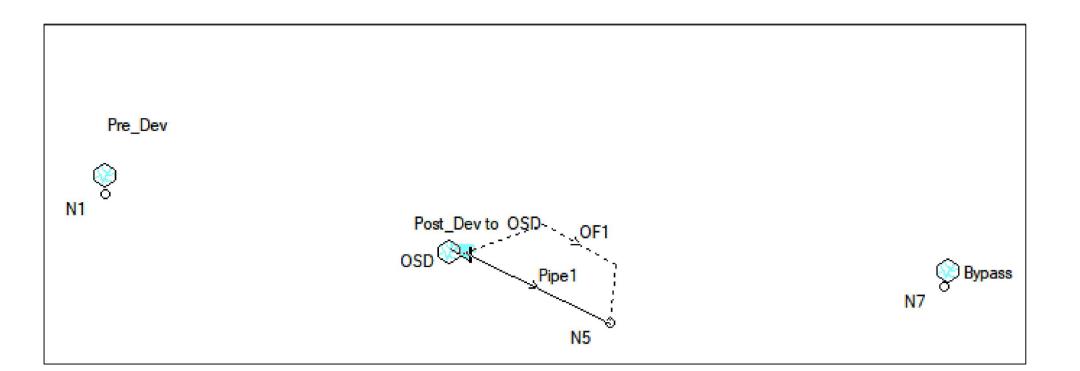
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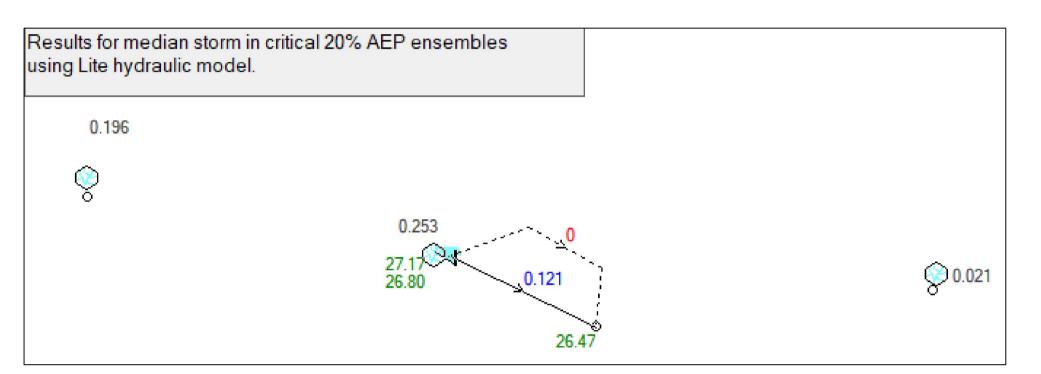
OSD TANK PLAN & DIMENSIONS (m)

SCALE 1:100

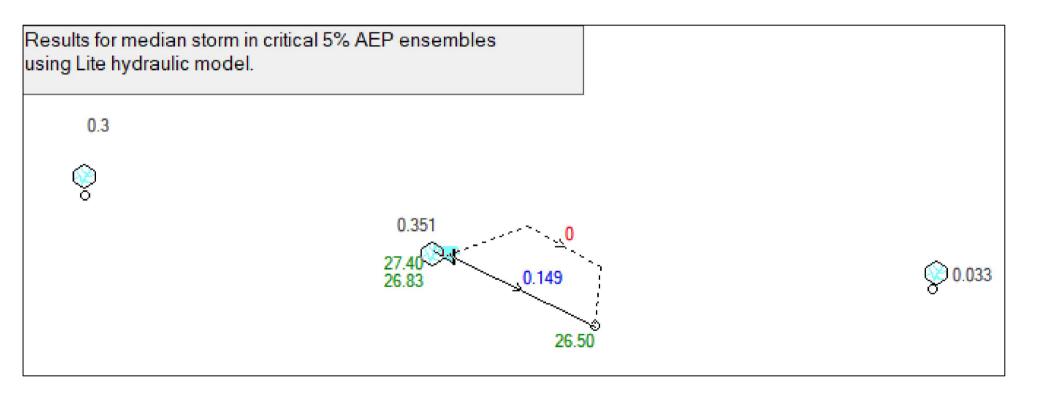




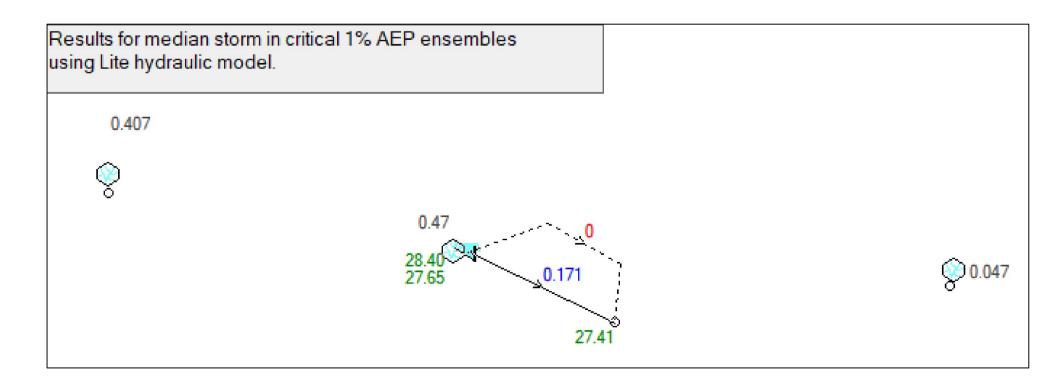
DRAINS MODEL SCHEMATIC



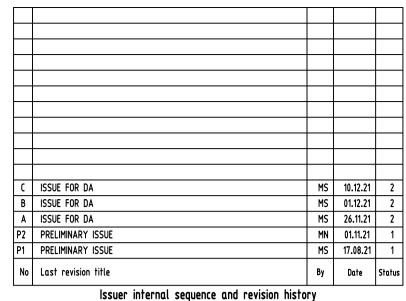
DRAINS RESULTS - 20% AEP



DRAINS RESULTS - 5% AEP



DRAINS RESULTS - 1% AEP



Issuer internal sequence and revision history

1- preliminary 2- development application 3- construction certificate
4- tender 5- construction 6- other (specify)

Discipline	Drawing Title and Number	Date	Re
ARCH			
ARCH			
STRUCT			
MECH			
ELEC			
HYD			
FIRE			
LANDS			
CIVIL			
SURVEY			

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PROJECT

PROPOSED MIXED USE DEVELOPMENT
4 DELMAR PARADE & 812 PITTWATER ROAD,
DEE WHY

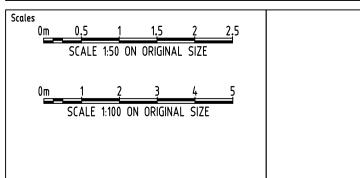
STORMWATER CONCEPT DESIGN
DETAILS SHEET
SHEET 2 OF 2

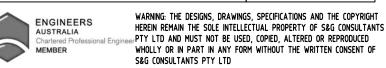
Project No		Drawing No	Revision No
202	10067	SW301	C
Sheet	Scale	Grid	Datum
7/10	AS SHOWN	MGA 56	A.H.D.

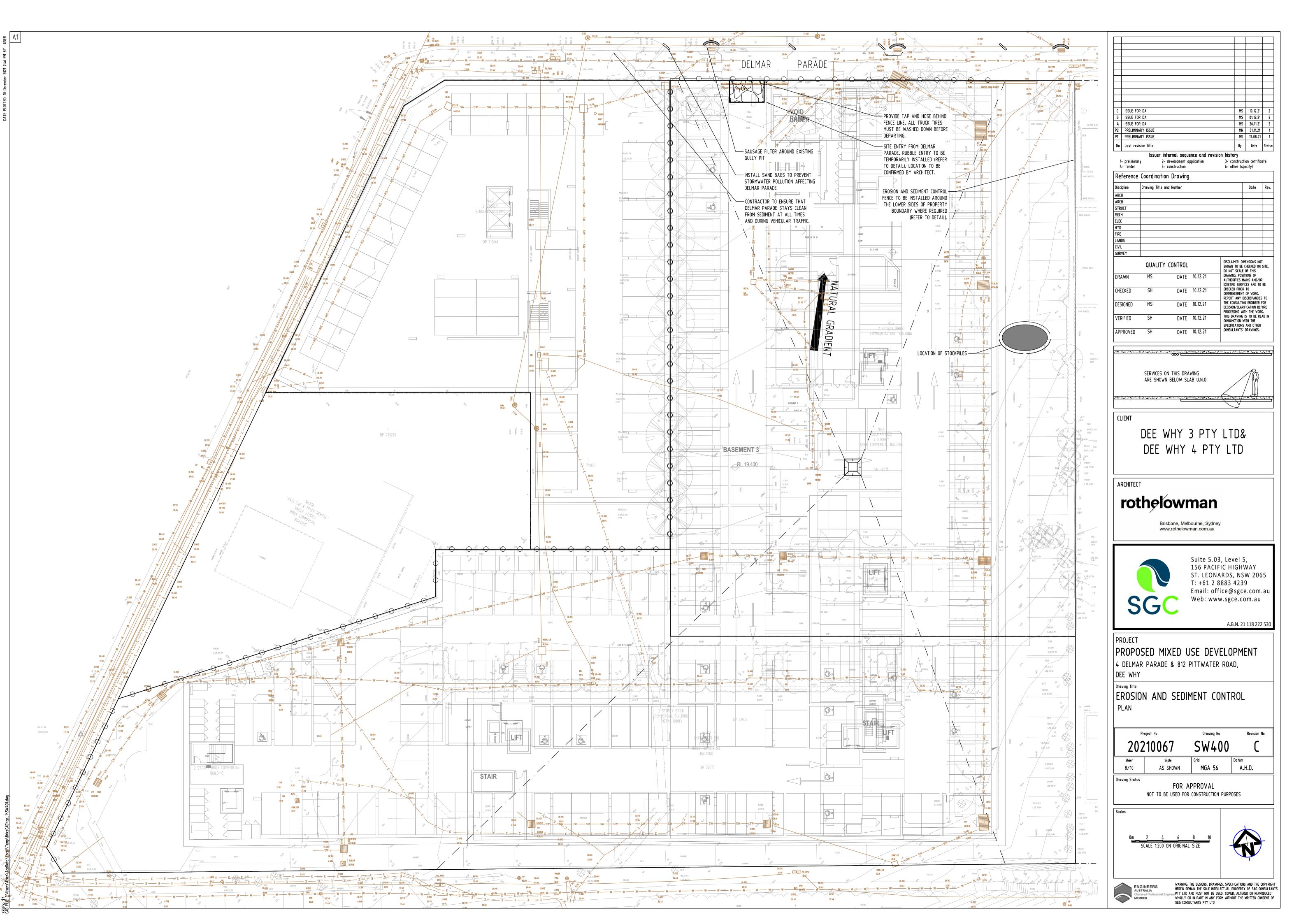
awing Status

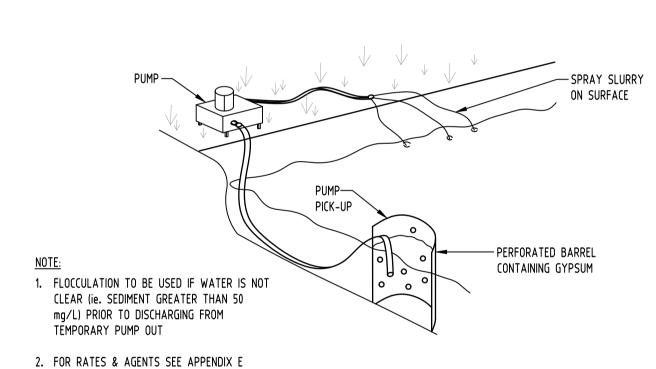
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NOT TO BE USED FOR CONSTRUCTION PURPOSES









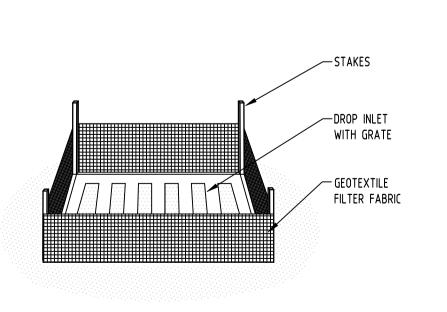
OF NEW SOUTH WALES DEPARTMENT OF

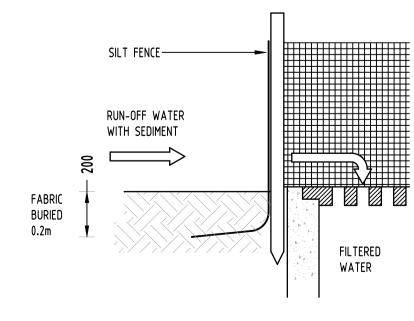
SOILS & CONSTRUCTION".

HOUSING "MANAGING URBAN STORMWATER

FLOCCULATION DETAIL

NOT TO SCALE





GEOTEXTILE INLET FILTER

NOT TO SCALE

# EROSION & SEDIMENTATION CONTROL

- 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.
- EXISTING DRAINS LOCATED WITHIN THE SITE SHALL ALSO BE ISOLATED BY SEDIMENT FENCING MATERIAL.
- NO PARKING OR STOCKPILING OF MATERIALS IS PERMITTED ON THE LOWER SIDE OF THE SEDIMENT FENCE.
- GRASS VERGES SHALL BE MAINTAINED AS MUCH AS PRACTICAL TO PROVIDE A BUFFER ZONE TO THE CONSTRUCTION SITE.
- 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.

TIMBER SPACER TO SUIT \_

OVERFLOW ----

RUNOFF WATER — WITH SEDIMENT

GRAVEL FILLED WIRE MESH-

OR GEOTEXTILE 'SAUSAGE'

TIMBER SPACER TO SUIT -

KERB-SIDE INLET -

#### GENERAL NOTES

- 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.
- ALL DRAINAGE LAYOUT & DETAILS ARE DIAGRAMMATIC & INDICATIVE ONLY. ACTUAL LOCATION, SIZES, LEVELS & GRADES MAY ALTER WHEN DETAIL DESIGN WORKS ARE DOCUMENTED.

#### CLAY SOILS

-GRAVEL FILLED WIRE MESH

OR GEOTEXTILE 'SAUSAGE'

· 4 · 4 · 4 · 4

FILTERED WATER

GRAVEL INLET FILTER (SAUSAGE)

NOT TO SCALE

- A SYSTEM SHALL BE INSTALLED TO EITHER:
- TRANSPORT STORMWATER RUNOFF WITH SUSPENDED SOLIDS FROM SITE VIA PUMP TRUCKS.
- 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

CONSTRUCTION NOTES:

FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR

WIRE MESH LONGER THAT THE LENGTH OF THE

FILL THE SLEEVE WITH 25mm TO 50mm GRAVEL

FORM AN ELLIPTICAL CROSS-SECTION OF THE

MAINTAIN THE OPENING WITH SPACER BLOCKS

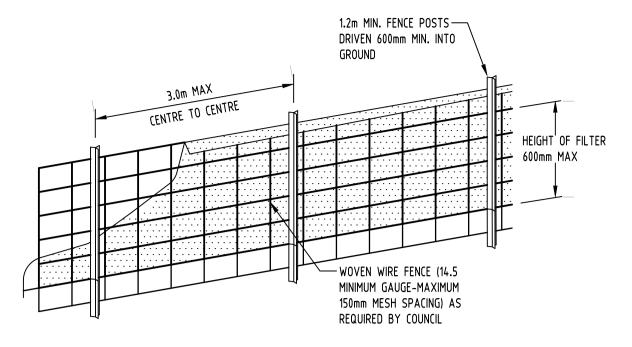
TO ACT AS AN EMERGENCY SPILLWAY

SEDIMENT BYPASSING THE FILTER

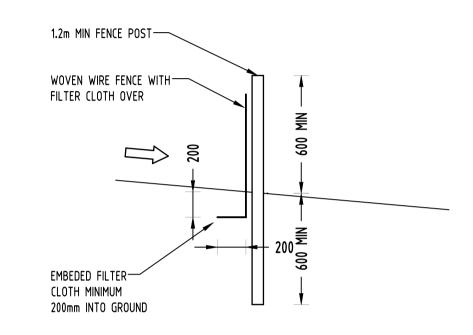
FIT TO ALL KERB INLETS AT SAG POINTS

KERB INLET LEAVING A 100mm GAP AT THE TOP

FORM A SEAL WITH THE KERBING AND PREVENT



DIAGRAMMATIC VIEW

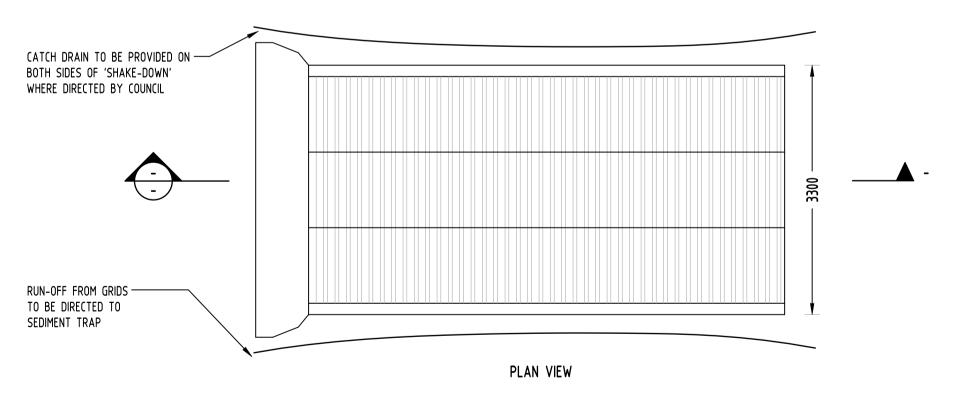


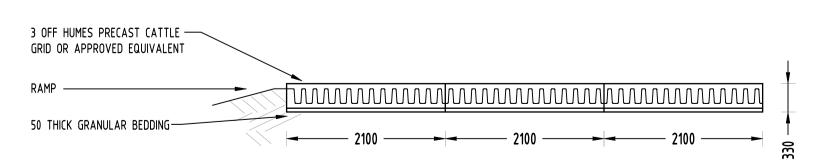
TYPICAL SECTION

# SEDIMENT FENCE NOT TO SCALE

#### GEOTEXTILE INLET FILTER

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

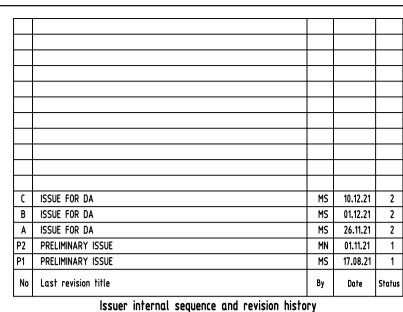




TYPICAL SECTION

'CATTLE GRID' ALTERNATIVE

TEMPORARY CONSTRUCTION EXIT
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1- preliminary 2- development application 3- construction certificate 4- tender 5- construction 6- other (specify)

Discipline	Drawing Title and Number	Date	Rev.
ARCH			
ARCH			
STRUCT			
MECH			
ELEC			
HYD			
FIRE			
LANDS			
CIVIL			
SURVEY			

	QUALIT	Y CONTROL		DISCLAIMER: DIMENSIONS NOT SHOWN TO BE CHECKED ON SITE. DO NOT SCALE OF THIS
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PROJECT

PROPOSED MIXED USE DEVELOPMENT
4 DELMAR PARADE & 812 PITTWATER ROAD,
DEE WHY

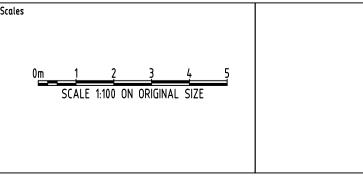
EROSION AND SEDIMENT CONTROL
DETAILS

	Pro	oject No	Drawing No	Revision No
	202	10067	SW401	C
Ī	Sheet	Scale	Grid	Datum
	9/10	AS SHOWN	MGA 56	A.H.D.

Drawing Status

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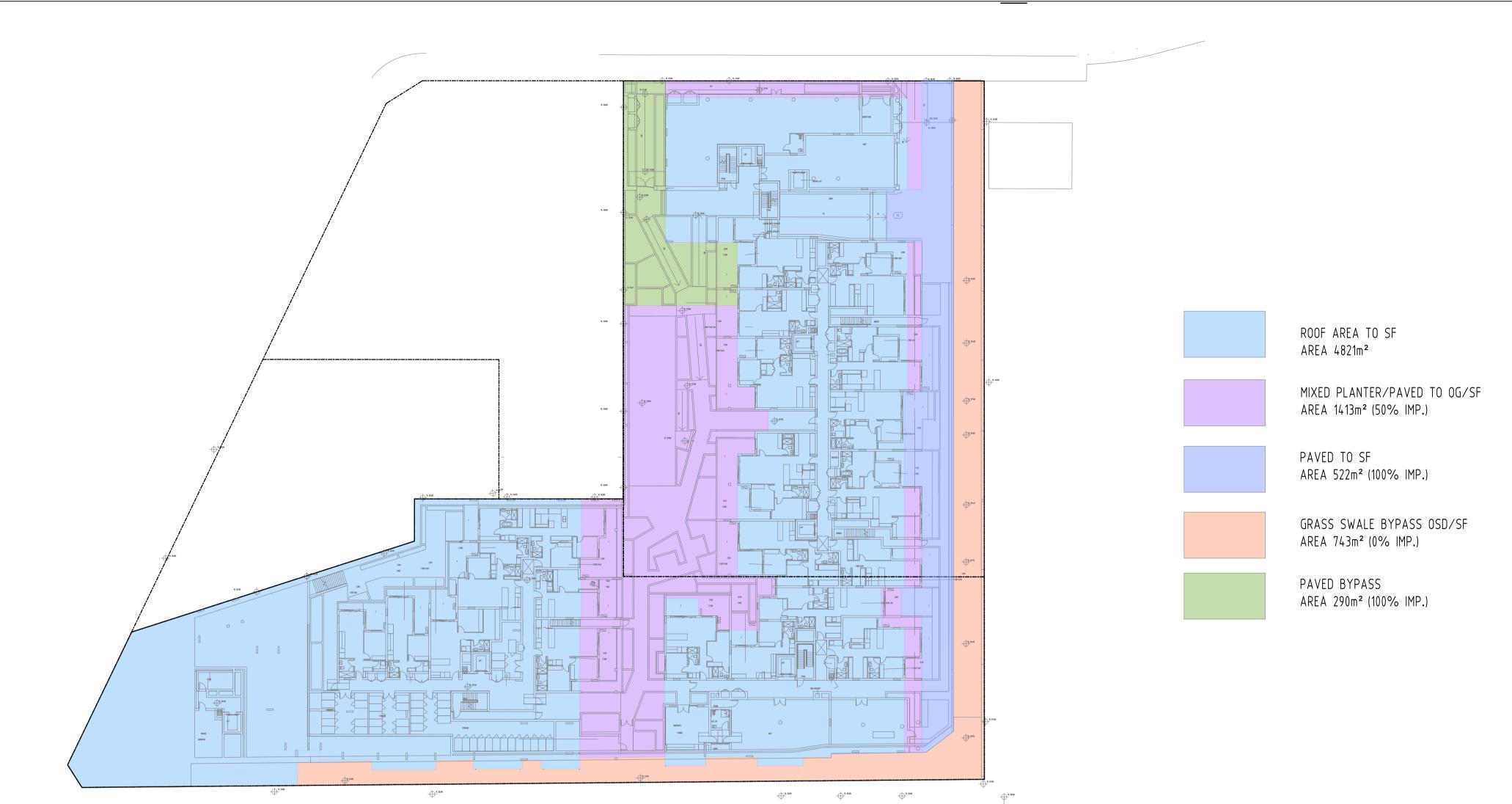
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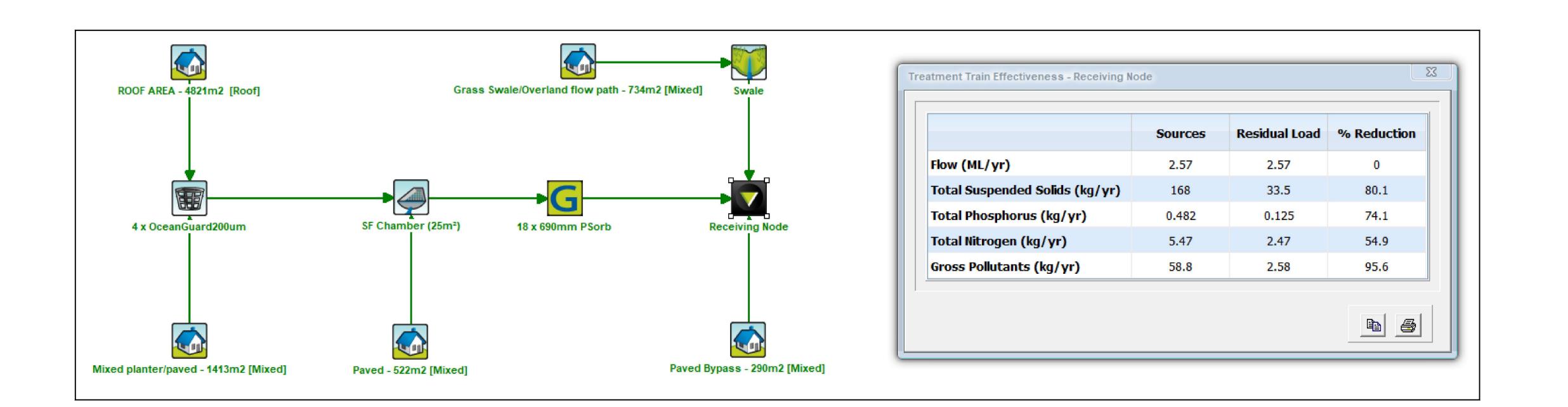


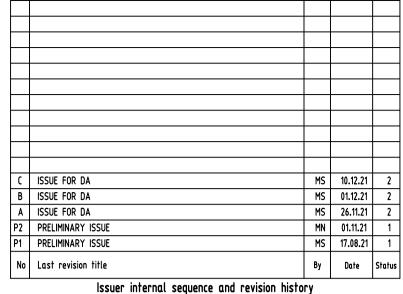


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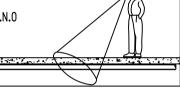


eliminary 2- development application 3- construction certification der 5- construction 6- other (specify)

Reference Coordination Drawing					
Discipline	Drawing Title and Number	Date	Rev.		
ARCH					
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STRUCT					
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PROJECT

PROPOSED MIXED USE DEVELOPMENT
4 DELMAR PARADE & 812 PITTWATER ROAD,
DEE WHY

STORMWATER CONCEPT DESIGN
MUSIC CATCHMENT PLAN

Project No 20210067		Drawing No	Revision No
		SW500	C
Sheet	Scale	Grid	Datum
10/10	1:400 @ A1	MGA 56	A.H.D.

Drawing Status

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Scales







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