

45-45A OAKS AVENUE DEE WHY STORMWATER CONCEPT DESIGN



LOCALITY PLAN
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ARCHITECT

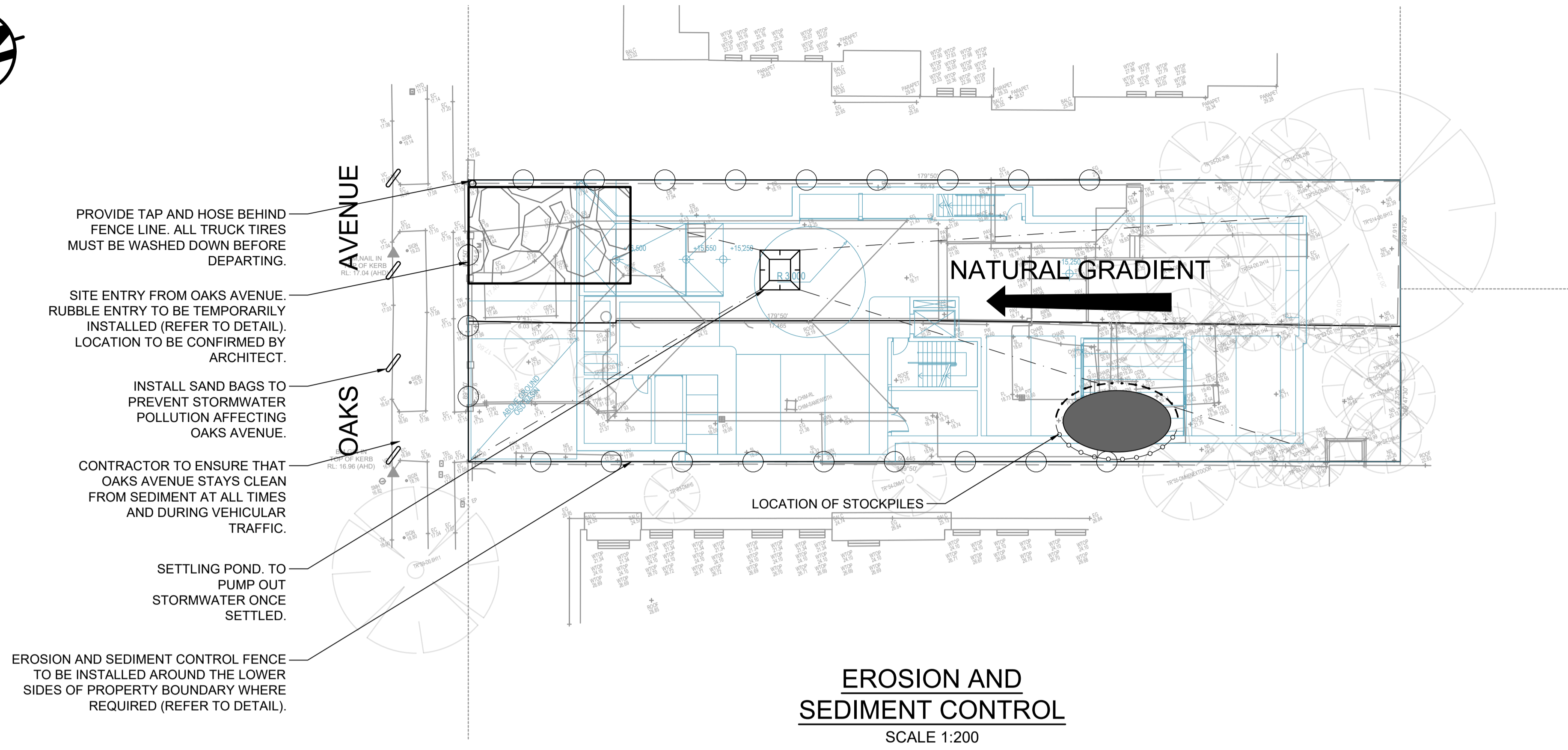
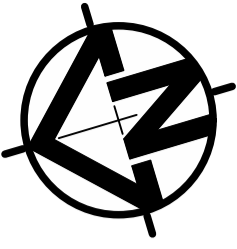


CLIENT

**AMERSFOORT
INVESTMENT GROUP**

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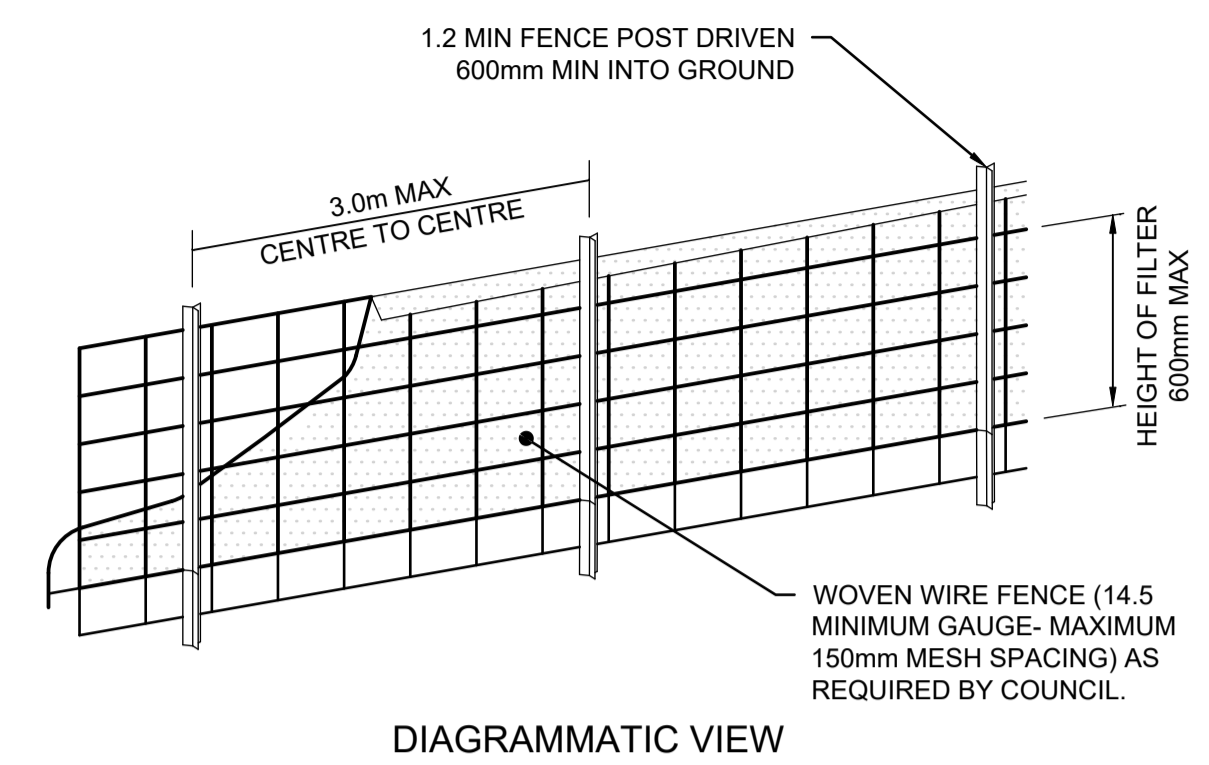
EROSION AND SEDIMENT CONTROL
SCALE 1:200

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.

GEOTEXTILE INLET FILTER

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

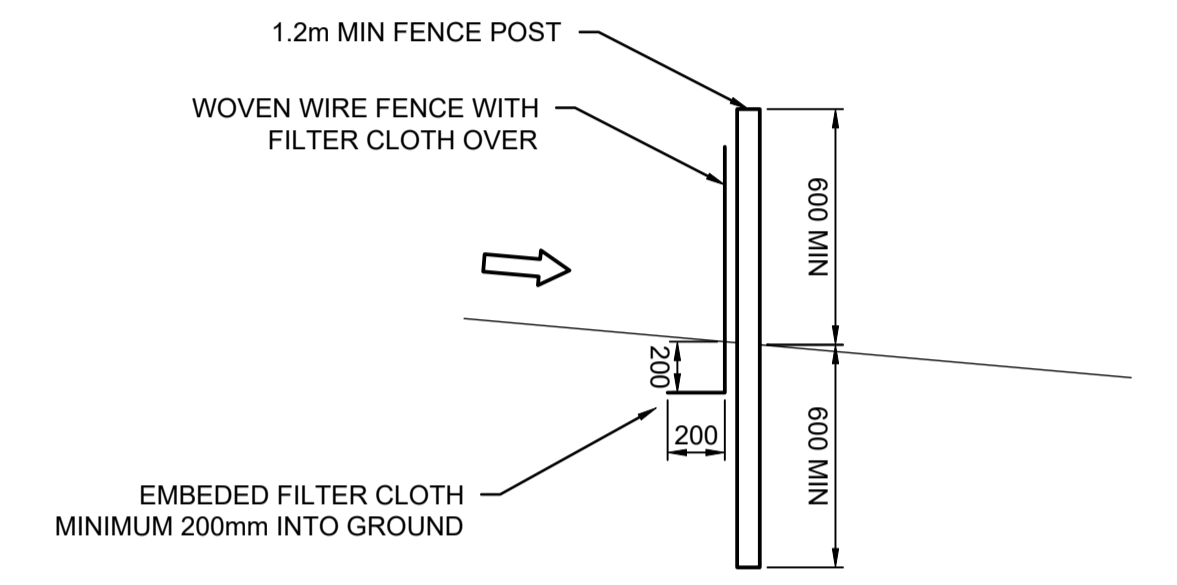


DIAGRAMMATIC VIEW

CLAY SOILS

A SYSTEM SHALL BE INSTALLED TO EITHER:

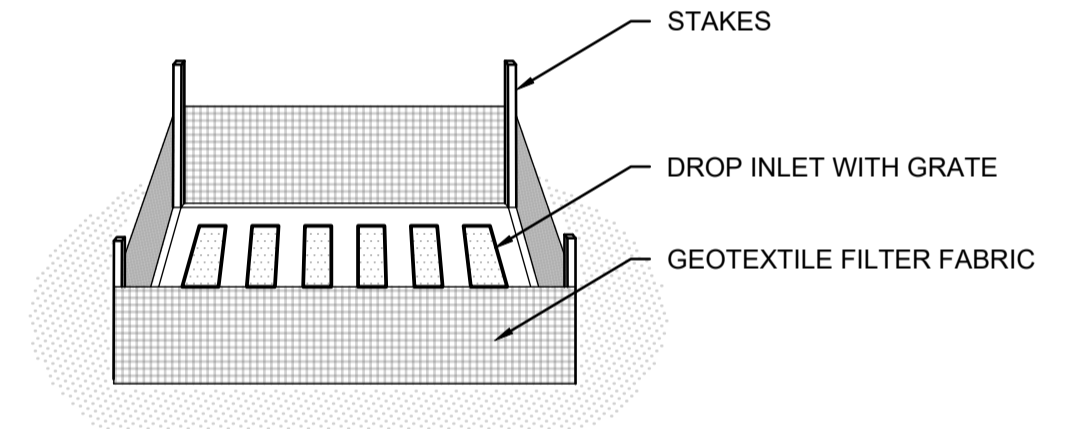
1. TRANSPORT STORMWATER RUNOFF WITH SUSPENDED SOLIDS FROM SITE VIA PUMP TRUCKS.
2. TREAT THE STORMWATER RUNOFF WITH SUSPENDED SOLIDS SO THE DISCHARGE WATER QUALITY TO COUNCIL STORMWATER DRAINAGE SYSTEM HAS A MAXIMUM CONCENTRATION OF SUSPENDED SOLIDS THAT DOES NOT EXCEED 50 MILLIGRAMS PER LITRE IN ACCORDANCE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



TYPICAL SECTION

SEDIMENT FENCE

NOT TO SCALE



CONSTRUCTION NOTES

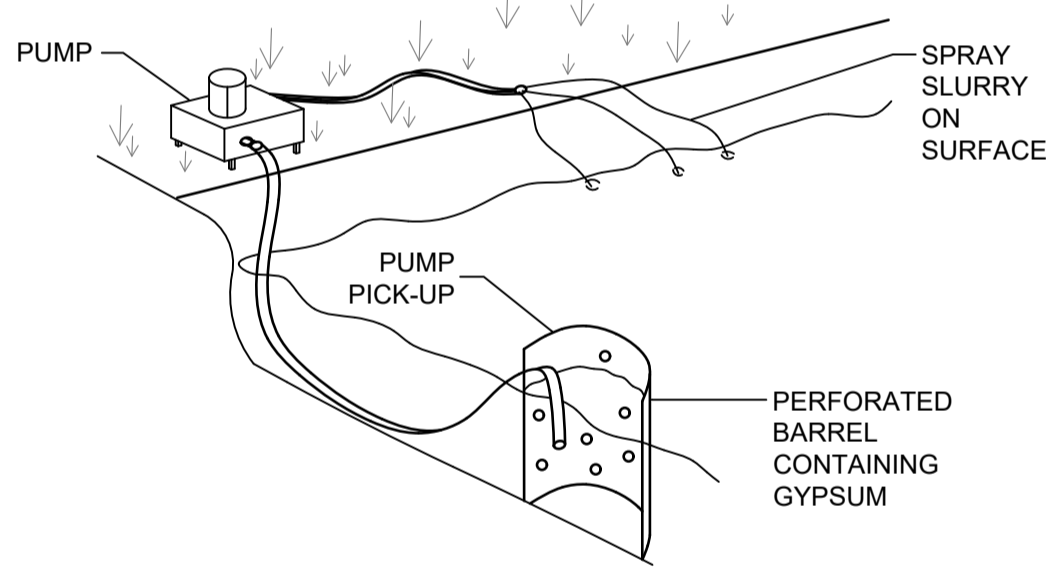
- FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT
- FILL THE SLEEVE WITH 25mm TO 50mm GRAVEL
- FORM AN ELLIPTICAL CROSS-SECTION OF THE KERB INLET LEAVING A 100mm GAP AT THE TOP TO ACT AS AN EMERGENCY SPILLWAY
- MAINTAIN THE OPENING WITH SPACER BLOCKS
- FORM A SEAL WITH THE KERBING AND PREVENT SEDIMENT BYPASSING THE FILTER
- FIT TO ALL KERB INLETS AT SAG POINTS

EROSION & SEDIMENTATION CONTROL NOTES

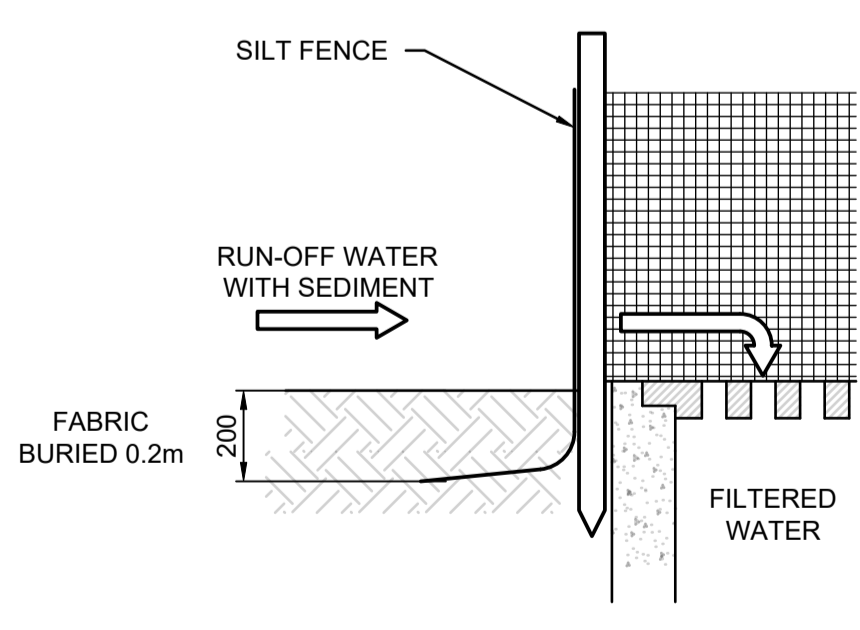
1. CONTRACTOR SHALL PROVIDE SEDIMENT FENCING MATERIAL DURING CONSTRUCTION TO THE LOW SIDE OF THE WORKS. TIE SEDIMENT FENCING MATERIAL TO CYCLONE WIRE SECURITY FENCE. SEDIMENT CONTROL FABRIC SHALL BE AN APPROVED MATERIAL (EG. HUMES PROPEX SILT STOP) STANDING 300mm ABOVE GROUND & EXTENDING 150mm BELOW 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.

NOTE:

1. FLOCCULATION TO BE USED IF WATER IS NOT CLEAR (ie. SEDIMENT GREATER THAN 50 mg/L) PRIOR TO DISCHARGING FROM TEMPORARY PUMP OUT
2. FOR RATES & AGENTS SEE APPENDIX E OF NEW SOUTH WALES DEPARTMENT OF HOUSING "MANAGING URBAN STORMWATER SOILS & CONSTRUCTION".



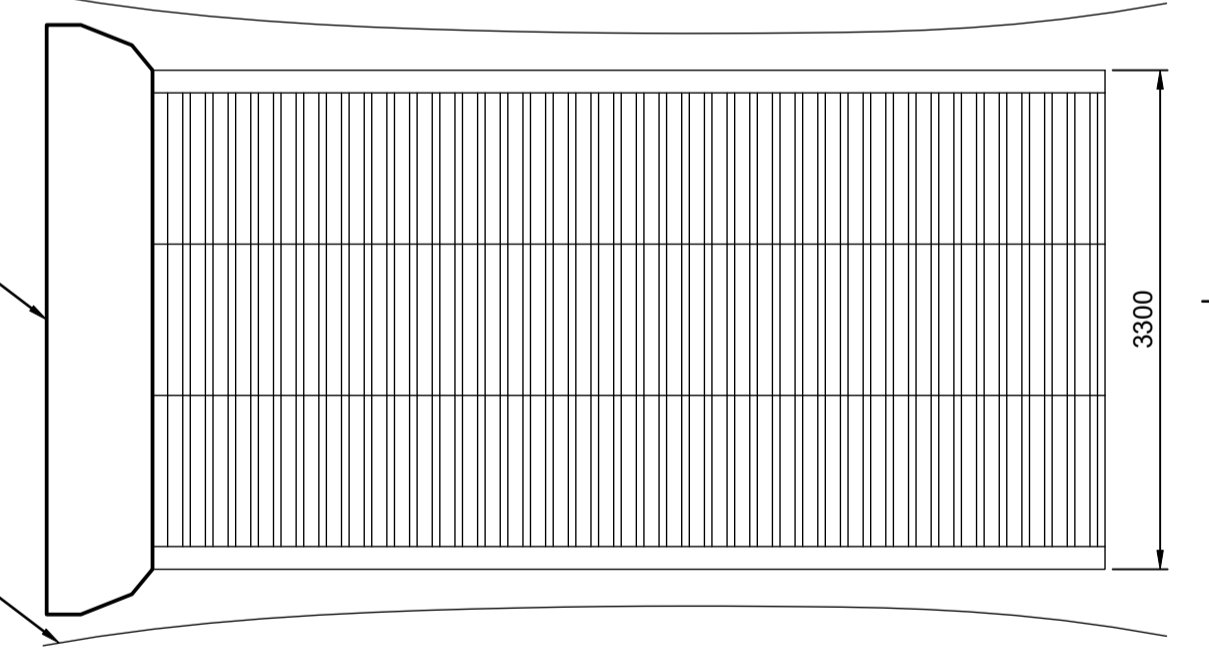
FLOCCULATION DETAIL
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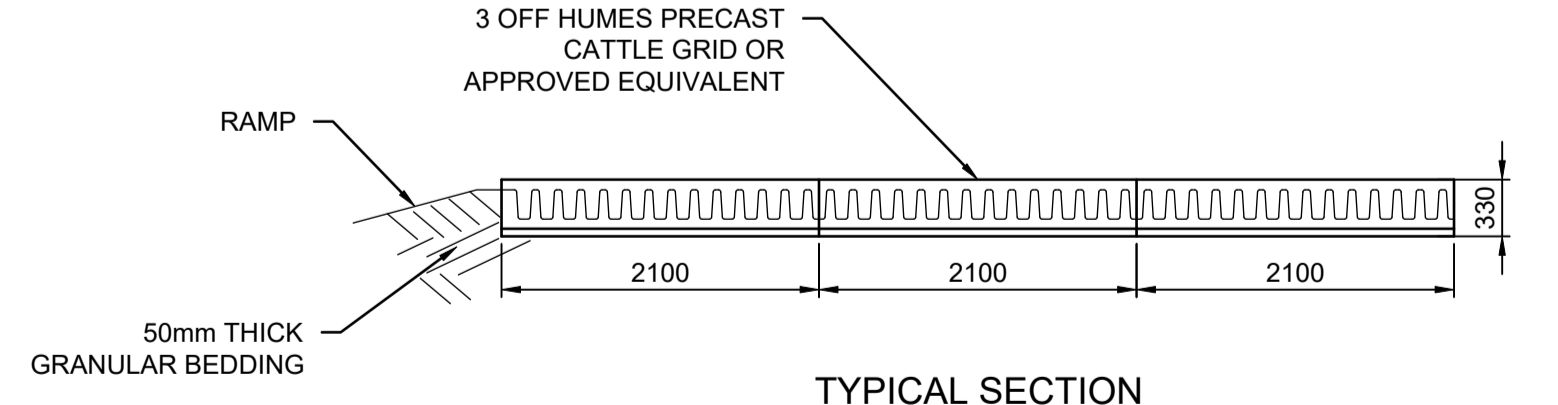
GEOTEXTILE INLET FILTER
NOT TO SCALE

CATCH DRAIN TO BE PROVIDED ON BOTH SIDES OF 'SHAKE-DOWN' WHERE DIRECTED BY COUNCIL

RUN-OFF FROM GRIDS TO BE DIRECTED TO SEDIMENT TRAP



PLAN VIEW



TYPICAL SECTION

'CATTLE GRID' ALTERNATIVE
TEMPORARY CONSTRUCTION EXIT - NOT TO SCALE

Issue	Last revision title	By	Date	Status
A	ISSUED FOR DA	KF	24.05.24	02
P02	PRELIMINARY ISSUE	KF	16.05.24	01
P01	PRELIMINARY ISSUE	KF	08.05.24	01

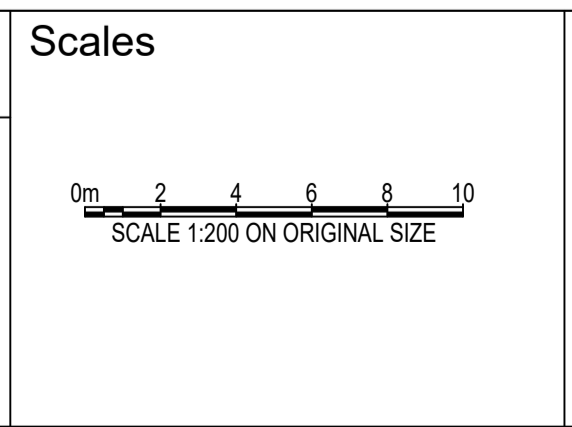
Discipline	Drawing Title and Number	Date	Rev.
ARCH	STRUCT		
MECH			
ELEC			
HYD			
FIRE			
LANDS			
CIVIL			
SURVEY			

Quality Control	DATE
DRAWN	24.05.24
CHECKED	24.05.24
DESIGNED	24.05.24
VERIFIED	24.05.24
APPROVED	24.05.24
SH	24.05.24

ENGINEERS AUSTRALIA
Chartered Professional Engineer
MEMBER

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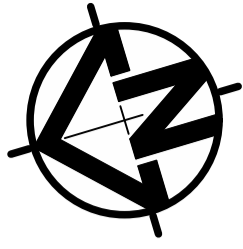
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M A I mackenzie architects

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PROJECT
45-45A OAKS AVENUE
DEE WHY
STORMWATER CONCEPT DESIGN

Grid	Datum	Sheet
-	A.H.D.	02

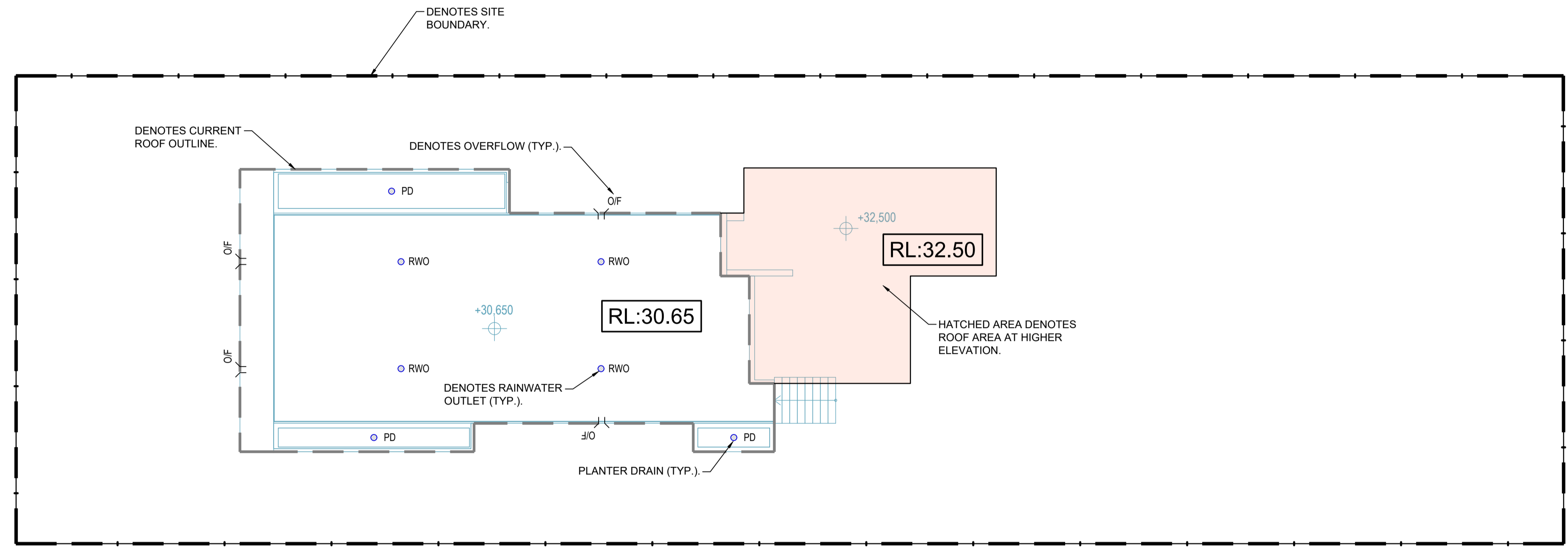
Project No.	Set No. - Drg No.	Revision No.
20240075	S01-SW201	A



SERVICES ON THIS DRAWING
ARE SHOWN BELOW SLAB U.N.O

ROOF DRAINAGE NOTES:

ALL RAINWATER AND OVERFLOW ARE INDICATIVE.
EXACT SIZE AND LOCATION TO BE CONFIRMED AT
C.C. STAGE.



ROOF PLAN

A:\Projects\2024\240516\45-45A OAKS AVENUE\ARCH\20240516\45-45A OAKS AVENUE - DEE WHY\DWG\20240516_S01-SW303.dwg
 Date: 24/05/2024 10:58:40 AM By: KIMBLEE.FANU@SGCE.com.au
 Drawing Title: STORMWATER CONCEPT DESIGN
 Project No: 20240075 Set No: S01-SW303

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

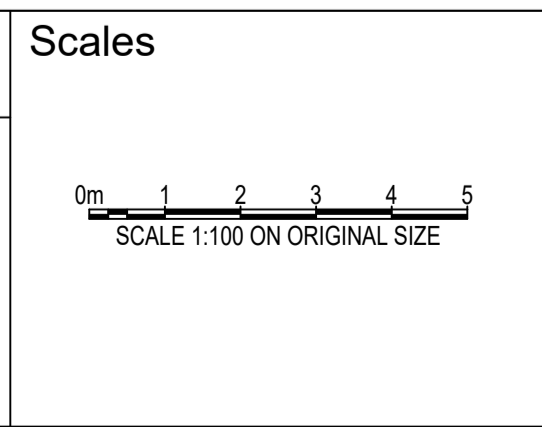
Quality Control				
Drawn	Checked	Designed	Verified	Approved
KF	SH	KF	SH	SH
DATE	DATE	DATE	DATE	DATE
24.05.24	24.05.24	24.05.24	24.05.24	24.05.24

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PROJECT

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STORMWATER CONCEPT DESIGN

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Drawing Title			
STORMWATER CONCEPT DESIGN ROOF			
Project No.	Set No.	Drg No.	Revision No.
20240075	S01-SW303		A

Grid	Datum	Sheet
-	A.H.D.	05

