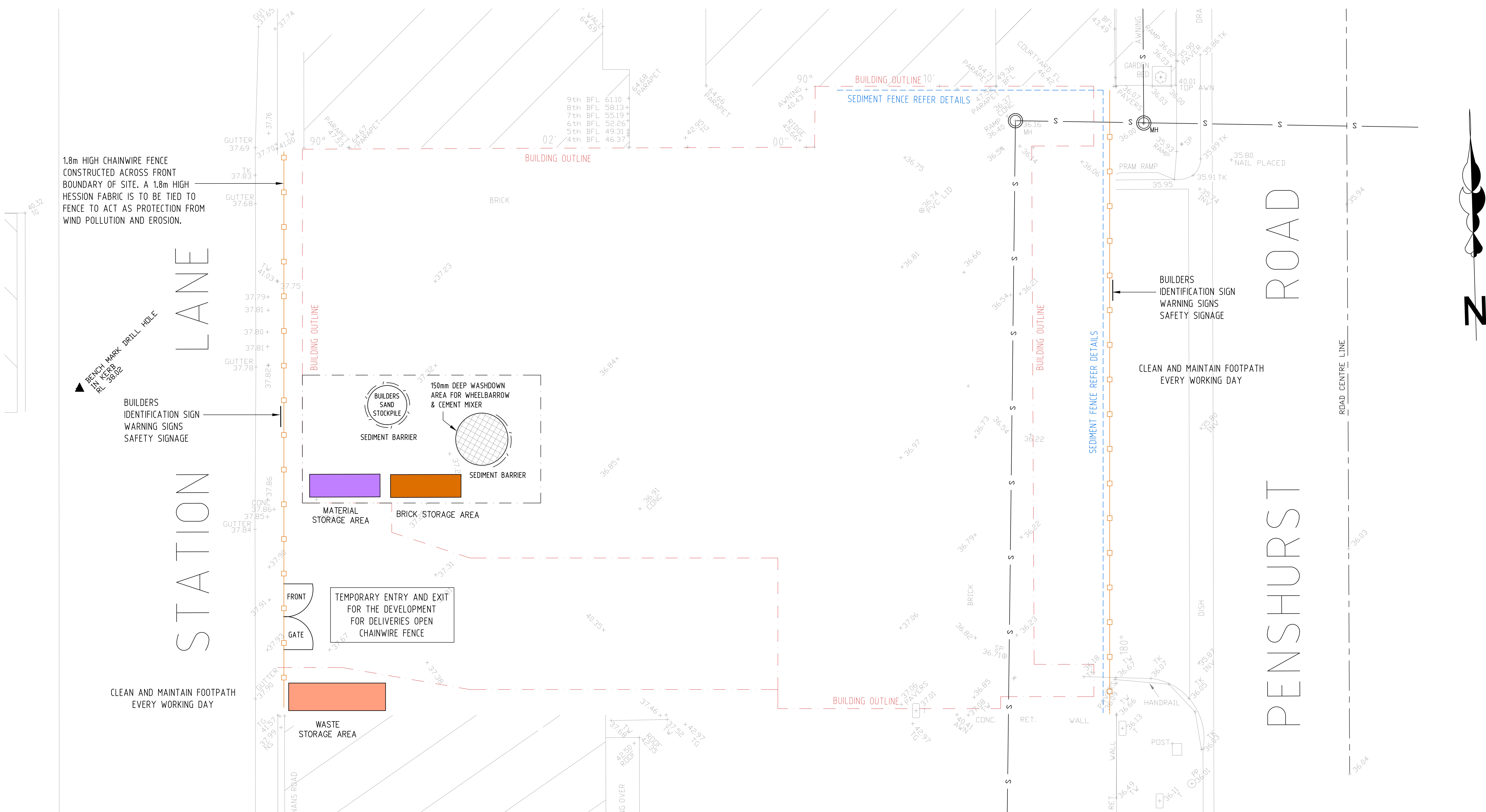




SOIL AND WATER MANAGEMENT NOTES

- 01. ALL EROSION AND SEDIMENT CONTROL MEASURES TO BE INSPECTED AND MAINTAINED DAILY BY SITE MANAGER
- 02. MINIMISE DISTURBED AREAS
- 03. ALL STOCKPILES TO BE CLEAR FROM DRAINS, GUTTERS AND FOOTPATHS.
- 04. DRAINAGE TO BE CONNECTED TO STORMWATER SYSTEM AS SOON AS POSSIBLE.
- 05. ROADS AND FOOTPATHS TO BE SWEEPED DAILY AND KEPT CLEAN AT ALL TIMES
- 06. INSTALL TEMPORARY SEDIMENT BARRIERS TO ALL INLET PITS LIKELY TO COLLECT SILT LADDED WATER, TO COUNCIL'S REQUIREMENTS.
- 07. NOT WITHSTANDING DETAILS SHOWN, IT IS THE SITE MANAGERS SOLE RESPONSIBILITY TO ENSURE THAT ALL SITE ACTIVITIES COMPLY WITH THE REQUIREMENTS OF THE CLEAN WATERS ACT.
- 08. ALL BARE SOIL AREAS ARE TO BE PROTECTED FROM EROSION BY TEMPORARY MEASURES AND REVEGETATED AT THE CESSATION OF CONSTRUCTION.
- 09.THE DOWNHILL BOUNDARY OF THE SITE IS TO BE PROTECTED BY HAY BALES OR A FILTER FABRIC FENCE DURING CONSTRUCTION AS SHOWN IN THE ATTACHED DETAILS.
- 10. THE STREET DRAINAGE PIT LOCATED DOWNHILL OF THE SITE SHALL BE PROTECTED FROM SEDIMENT WITH HAY BALES.
- 11. A SINGLE CONSTRUCTION ENTRANCE SHALL BE ESTABLISHED IN THE MANNER SHOWN IN THE ATTACHED DETAILS.
- 12. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL AND STRUCTURAL ENGINEERING DOCUMENTS. ANY DISCREPANCIES SHALL BE REPORTED BY THE BUILDER TO THE ARCHITECT PRIOR TO COMMENCEMENT OF THE ITEM.
- 13. IF IN DOUBT, ASK THE SUPERINTENDENT WHO SHALL CONSULT THE DESIGNER.

SEDIMENT BASIN SPECIFICATIONS

Capacity of the Sediment Basin
The volume of the sediment control basin shall be at least 150 cu m per Ha of total drainage area.

Cleaning of the Sediment Basin
Sediment build - up shall be cleaned out when it is above the 10% water level indicator. Water should be maintained at 20% capacity.

Pumping / Dewatering the Sediment Basin
Water should be chemically dosed and discharged when it is above 20% of the basin's full capacity.
Water should be chemically dosed with gypsum to accelerate settlement of suspended solids. Gypsum may be mixed either in a tank or tanker or into a slurry in a concrete mixer and then distributed to several points in the basin by a spray or spreading technique. Spraying over the surface is preferred and in-dam mixing may be required.

Gypsum should be applied at a rate of about 30 kilograms per 100 cubic metres of stored water. In some instances higher rates may apply, typically less than 50 mg/Litre. If dosing with alum.

Discharge from the basin is permissible when the water pH is 6.5-8.5 and is clarified to at or below 60mg/L (50 NTU) for urban areas.

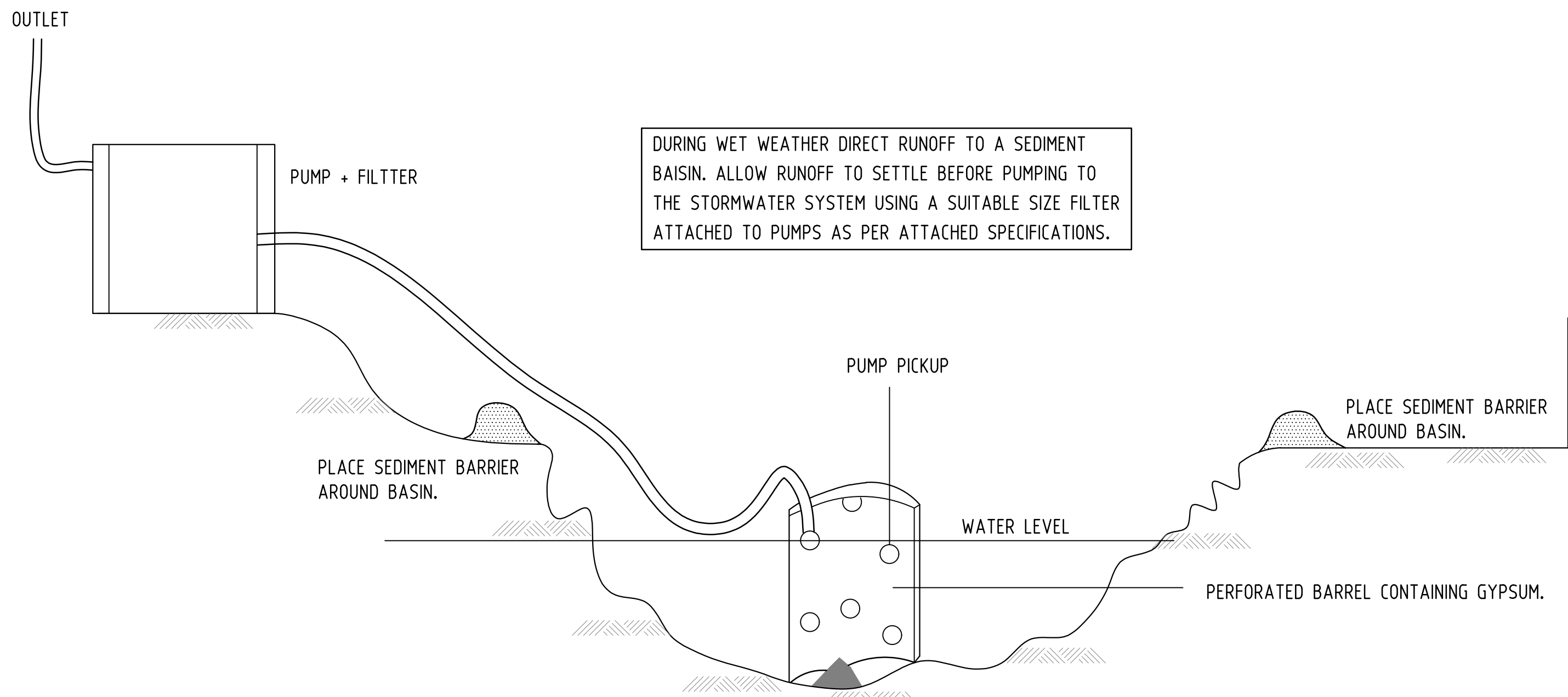
Clarification would generally be achieved within a period of 24 - 36 hours.

Dewatering shall be done in such a manner as to remove the relatively clean water without removing any of the sediment that has settled out and without removing any appreciable quantities of floating debris. The pump should be monitored at all times during pumping to ensure sediment is not being disturbed, creating turbid water. If water exceeds 60mg/L (50NTU) during dewatering, pumping must cease immediately and further treatment should be carried out before pumping is recommenced. Records must be kept of all measurements prior to, during and after discharge.

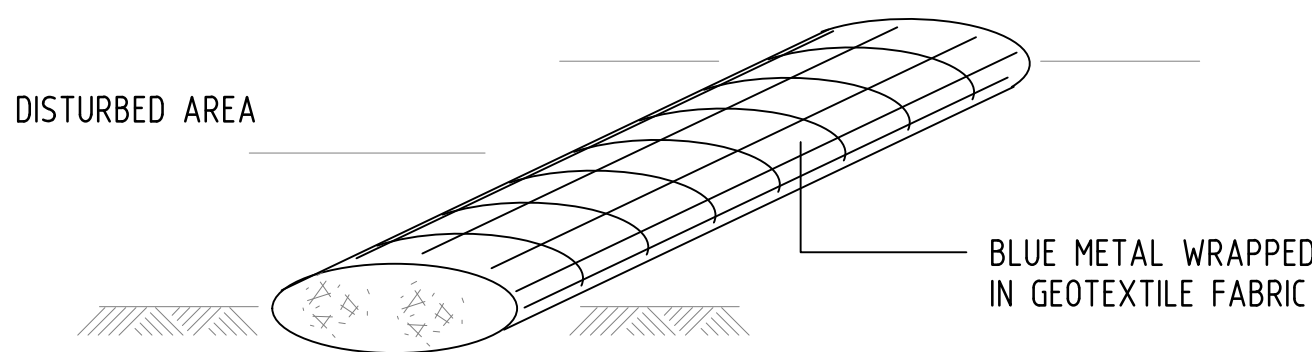
SEDIMENT CONTROL & WATER MANAGEMENT PLAN.

SCALE 1:100

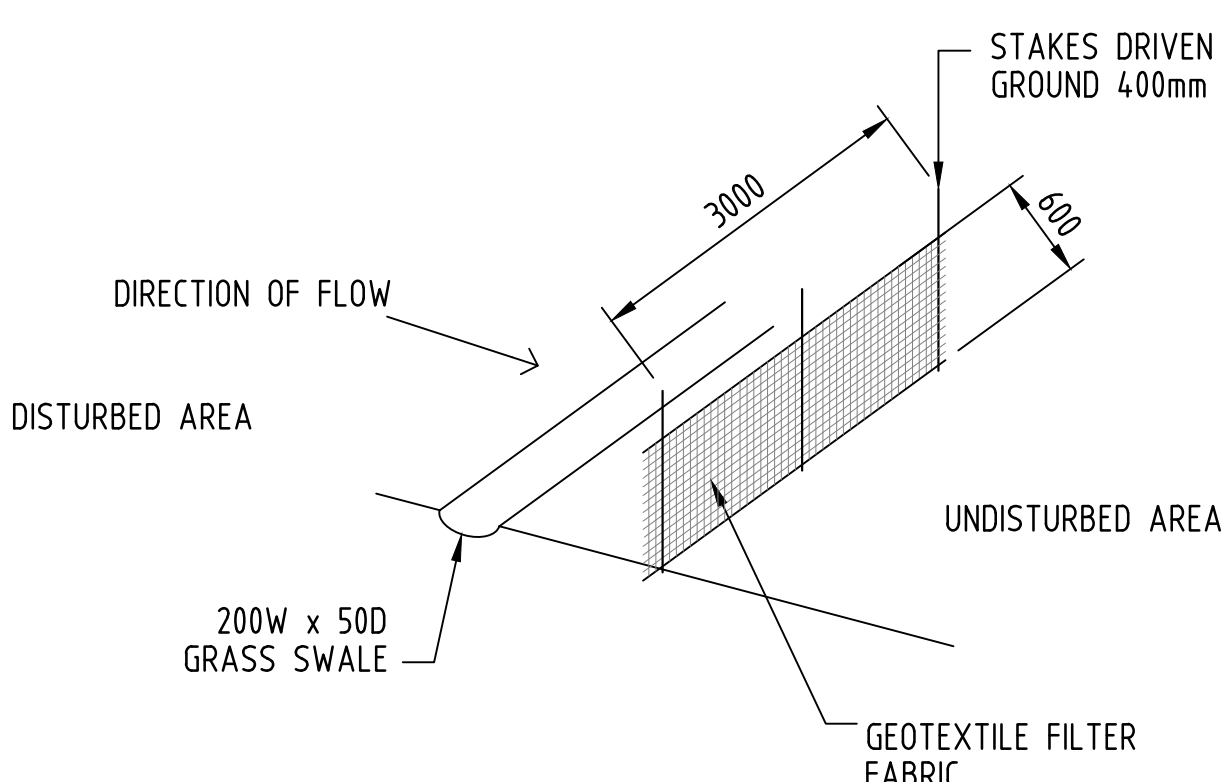
- Noise & vibration control-**
The demolition & excavation for the proposed development should be readily achieved using a large hydraulic excavator equipped with a bucket. The excavation will be mainly through fill and residual clay. No rock hammering equipment will be required through these processes, this eliminates the need for equipment causing high noise and vibration to external environment. Any activities during construction which require more noise than usual will be limited to weekday between the hours of 10am to 2 pm to minimise disturbance of surrounding environment. Interim Construction Noise Guideline will be followed during the whole duration to limit the noise from each activity onsite until completion.
- Litter control -**
Private waste contractor will provide recycling and food scrap Bins for construction workers and other waste generated by the construction workers during lunch time. 9 m3 Skip bins which will be stored wholly within the site boundaries will be provided. All other building material waste. Signs will be placed in prominent positions around the construction site warning construction workers to use the correct waste bins for their litter. Regular tool box meetings will be held if there are offenders caught littering inside or outside the site.
- Truck cleaning-**
One entry/exit point for trucks to be provided constructed of a minimum of 40mm aggregate of recycled concrete with a depth of 150mm and a length of 15 meters and width 3 meters. All truck during excavation must pass through a cattle grid and the water from the above area must fall towards a sediment filter or trap by a bund or drain located above.
- Dust control-**
Dust is controlled through the use of fine mesh dust proof screens, no construction or demolition works are to take place in adverse winds this eliminate the spread of odours or dust.



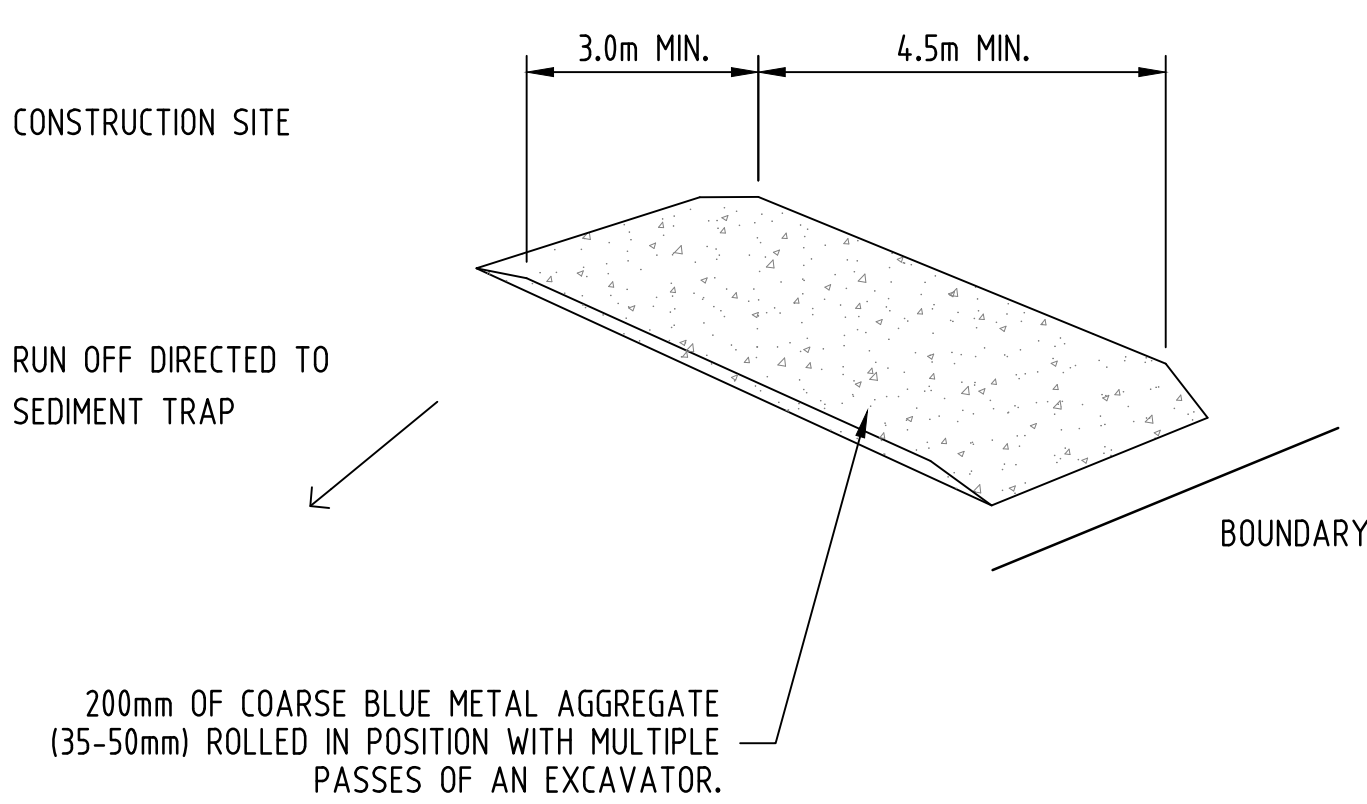
SEDIMENT BASIN N.T.S.



SEDIMENT BARRIER N.T.S.



SEDIMENT FENCE DETAIL N.T.S.



CONSTRUCTION ENTRY/EXIT DETAIL N.T.S.

GENERAL NOTES

- SPECIFICATIONS AND STANDARDS**
ALL WORK TO COMPLY WITH MANAGING URBAN STORMWATER: SOILS AND CONSTRUCTION (LANDCOM, 2004); THE GUIDELINES FOR EROSION AND SEDIMENT CONTROL ON BUILDING SITE (CITY OF SYDNEY, 2004); AND THE NSW PROTECTION OF THE ENVIRONMENT OPERATIONS ACT 1997 .
- DEVELOPMENT APPROVAL**
THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE DEVELOPMENT APPROVAL, CONSTRUCTION CERTIFICATE AND ANY SCHEDULES ATTACHED THERETO. ALL CONDITIONS MUST BE APPLIED TO THE DEVELOPMENT, WHERE ANY VARIATIONS ARE SOUGHT, IT IS THE RESPONSIBILITY OF THE DEVELOPER TO CONTACT COUNCIL TO OBTAIN APPROVAL FOR ANY SUCH VARIATIONS.
- ENGINEERING DRAWINGS AND OTHER CONSULTANTS**
THESE DRAWINGS SHALL BE READ AS A SET AND IN CONJUNCTION WITH ALL SPECIFICATIONS, ENGINEERING PLANS AND CONSULTANTS PLANS AS SUPPLIED BY THE DEVELOPER. THESE PLANS AND SPECIFICATIONS MAY INCLUDE BUT ARE NOT LIMITED TO STRUCTURAL PLANS, STORMWATER PLANS, LANDSCAPE PLANS, HYDRAULIC PLANS, ELECTRICAL DRAWINGS, MECHANICAL VENTILATION PLANS, FIRE SERVICES PLANS ETC. FINAL COORDINATION OF PLANS BY BUILDER.

A	02.12.2024	ISSUED FOR COUNCIL APPROVAL		HE	
REV.	DATE	AMENDMENT DESCRIPTION		DRAWN	
JOHN ROMANOUS & ASSOCIATES CONSULTING CIVIL & STRUCTURAL ENGINEERS SUITE 2D / 322 KINGSROVE RD. KINGSROVE NSW 2208 Ph (02) 83 87 68 26 PTY. LTD. ACN 054 595 005					
PROPOSED DEVELOPMENT AT: 153-159 PENSURST ST, NARWEE NSW 2209					
SEDIMENT CONTROL PLAN & DETAILS					
DRAWN	CHECKED	SCALE	DATUM	DRAWING No.	REV.
HE	D.M.ROMANOUS ,B.E., M.J.E.AUST.	AS SHOWN @A1	A.H.D	2517 - SC1/1	A