

SILT & SEDIMENT NOTES:

- DESIGNED IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL ENGINEERING GUIDELINES FOR LOCAL REGULATORY AUTHORITIES REQUIREMENTS.
- ALL WORK, FIXTURES, FITTINGS & STRUCTURES SHALL COMPLY WITH & BE CARRIED OUT TO SOIL EROSION & SEDIMENT CONTROL ENGINEERING GUIDELINES & LOCAL AUTHORITIES REQUIREMENTS.
- PROVIDE, INSTALL & MAINTAIN ALL BARRIERS, GROSS POLLUTANT TRAPS, CONSTRUCTION EXITS, PUMP SUCTION PITS, POLLUTANT & SEDIMENT TRAPS FENCES NECESSARY FOR THE CONTROL OF EROSION & SEDIMENTATION WITHIN AND AROUND THE SITE DURING CONSTRUCTION, ALL IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL ENGINEERING GUIDELINES & LOCAL AUTHORITIES REQUIREMENTS.
- EXACT DETAIL, TYPE & EXTENT OF SEDIMENT FENCE SHALL BE DETERMINED IN SITE IN CONJUNCTION WITH REGULATORY AUTHORITY TO ACHIEVE & MAINTAIN A SUITABLE LEVEL OF PERFORMANCE FOR THE EXPECTED FLOWS, INCLUDING POSSIBLE OVERLAND FLOWS.
- PROVIDE & INSTALL 700mm HIGH SEDIMENT FENCE AROUND SITE, EXACT EXTENT OF FENCE SHALL BE DETERMINED ON SITE IN CONJUNCTION WITH REGULATORY AUTHORITY.
- PROVIDE AND INSTALL 450mm HIGH SEDIMENT FENCE COMPLETELY AROUND ALL OPEN STORMWATER PIPES AT THE END OF EACH DAYS WORK & IMMEDIATELY PRIOR TO ANY STORM EVENT.
- PROVIDE AND INSTALL 450mm HIGH SEDIMENT FENCE COMPLETELY AROUND ALL SWSs, GRATED TRENCHES & GRATES.
- PROVIDE AND INSTALL CONSTRUCTION ENTRY / EXIT SEDIMENT CONTROL STRUCTURE.
- PROVIDE AND INSTALL SEDIMENT BARRIERS TO ALL EXISTING READ INLET GULLIES AFFECTED BY CONSTRUCTION.
- CONSTRUCTION OF ALL SEDIMENT MANAGEMENT DEVICES SHALL BE COMPLETED AND EFFECTIVE PRIOR TO STRIPPING OF TOP SOIL AND GRASS, BULK EARTHWORKS TO SITE AND SERVICE INSTALLATION.
- ALL SEDIMENT MANAGEMENT DEVICES ARE TO REMAIN IN PLACE UNTIL WRITTEN NOTICE FROM LICENSING AND COMPLIANCE.
- BOTH TEMPORARY AND PERMANENT SEDIMENTATION MANAGEMENT DEVICES SHALL BE MAINTAINED AT A SUITABLE LEVEL / CONDITION THROUGHOUT CONSTRUCTION. SEDIMENT FENCES ARE TO BE CLEANED OUT WHEN CAPACITY IS REDUCE BY 30%.
- PRIOR TO COMMENCEMENT OF CONSTRUCTION, APPROVAL SHALL BE OBTAINED FROM LICENSING AND COMPLIANCE FOR THE LOCATION OF THE SITE ACCESS POINT AND WASH DOWN AREA WHICH SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
- IF EROSION AND SEDIMENT CONTROL DEVICES HAVE BEEN FOUND TO BE DEFICIENT OR FAILED IN SERVICE, DUE TO UNFORESEEN CIRCUMSTANCES, CORRECTIVE ACTION TO BE UNDERTAKEN IMMEDIATELY WHICH MAY INCLUDE AMENDMENTS/ ADDITIONS TO THE ORIGINAL EROSION CONTROL PLANS. SUCH ADDITIONS OR AMENDMENTS ARE TO BE APPROVED BY LICENSING AND COMPLIANCE OFFICER AND REGULATORY AUTHORITY.
- THE INSTALLATION, REMOVAL RELOCATION OR MODIFICATION TO EROSION AND SEDIMENT CONTROL DEVICES MAY BE MADE BY A LICENSING AND COMPLIANCE OFFICER AND REGULATORY ANTERIORITY IF DEEMED NECESSARY AND RELEVANT.
- ALL MUD TRACKED ONTO COUNCIL ROADS SHALL BE BROOMED OFF IMMEDIATELY (NOT WASHED OFF ONTO COUNCIL STORMWATER SYSTEM).
- ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES TO BE IMPLEMENTED DURING CONSTRUCTION AS DIRECTED BY COUNCIL REPRESENTATIVE.

EROSION & SEDIMENT CONTROL PROGRAM:

- MESH AND INLET PROTECTION DEVICES TO ALL GULLY PITS TO BE REMOVED DURING CONSTRUCTION OF ROADWAYS. AFTER ROADS HAVE BEEN COMPLETED CONTRACTOR TO ENSURE ALL GULLY GRATES ARE WRAPPED IN GEOFABRIC AND ROCK FILLED AGRICULTURAL PIPE PLACED ALONG LINTELS. (REFER DETAIL).
- MESH AND INLET PROTECTION DEVICES TO FIELD INLETS TO REMAIN UNTIL SWALES HAVE BEEN TOPSOILED AND TURFED.
- SEDIMENT PONDS TO BE REMOVED AT THE COMPLETION OF ALL WORKS OR WHEN ALL ALLOTMENTS HAVE 80% GRASS COVERAGE.
- SEDIMENT FENCES TO REMAIN ALONG PROPERTY BOUNDARIES AND TO BE MAINTAINED / REPLACED DURING THE 'ON MAINTENANCE' PERIOD OR UNTIL LOTS ARE SOLD AND BUILDING CONSTRUCTION COMMENCES.
- THE CONTRACTOR TO REMOVE GULLY PIT PROTECTION DEVICES AFTER SUCCESSFUL 'ON MAINTENANCE' INSPECTION.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF ALL SEDIMENT CONTROL DEVICES DURING CONSTRUCTION UNTIL AFTER SUCCESSFUL 'ON MAINTENANCE' INSPECTION.

CONSTRUCTION SEQUENCE:

- ERECT SEDIMENT FENCE ALONG PROPERTY BOUNDARIES AND DOWNSTREAM RUNOFF BOUNDARIES. INSTALL SHACK DOWN DEVICE AT ENTRY.
- CONSTRUCT DRAINAGE, SEWER AND WATER RETICULATION. ALL GULLY INLETS TO BE CLEAN WATER ONLY.
- ALL ALLOTMENTS TO GRASS SEED AS DIRECTED.
- ON COMPLETION OF WORK AND 70% GRASS COVER AND APPROVAL BY COUNCIL, SEDIMENT BASING TO BE REMOVED AND AREA TO BE REHABILITATED.

SEDIMENT MANAGEMENT PROGRAM:

- CLEARING**
 - EARTH BANK AND TALE DRAIN TO BE CONSTRUCTED ALONG THE TOP OF THE EXISTING BATTER.
 - SEDIMENT FENCE, SAND BAGS, SEDIMENT BASINS AND EARTH RILLS TO BE ERECTED AS INDICATED OR REQUIRED.
 - EXISTING GRASSED AREAS TO BE KEPT WHERE POSSIBLE.
 - SHAKE DOWN / WASH DOWN BAY AT ENTRY / EXIT POINT AS REQUIRED BY COUNCIL OFFICER.
- EARTHWORKS**
 - SEDIMENT FENCES, SEDIMENT BASINS AND EARTH RILLS WITHIN ROADS TO BE ERECTED AS INDICATED OR REQUIRED.
- SEWER / ROOFWATER / STORMWATER / SERVICES**
 - EXCAVATED MATERIAL TO BE PLACED ON HIGH SIDE OF TRENCH AND TO PROTECT PIPE WORK AND DIRECT SURFACE MATERIAL AWAY FROM EXCAVATIONS.
 - TOPSOIL AND GRASS SEED AREAS IN ALLOTMENTS IMMEDIATELY AFTER COMPLETING THE SEWER AND ROOFWATER DRAINAGE CONSTRUCTION.
 - DEPRESS GROUND AROUND TEMPORARY FIELD INLETS TO CREATE SEDIMENT POND.
- STOCKPILE**
 - SEDIMENT FENCE TO BE ERECTED 5m FROM TOE OF BATTER ON LOW SIDE OF STOCKPILE.
- ROADWORKS**
 - SEDIMENT FENCES TO ALLOTMENTS TO BE ERECTED
 - KERB INLET PROTECTION TO BE PROVIDED
 - SAND BAGS SURROUND SAG GULLY PITS AS INDICATED.
- ALLOTMENTS**
 - MULCH AS DIRECTED AND TOP SOIL AND SEED ALLOTMENTS
 - SEDIMENT FENCES TO ALLOTMENTS TO BE RE-ERECTED
 - COVERS TO GULLY GRATES TO BE REMOVED IF THE SUPERINTENDENT INDICATES THE GRASS STRIKE IS SUFFICIENT
 - ESTABLISHMENT OF 70% COVERAGE WITHIN 30 CALENDAR DAYS OF COMPLETION OF WORKS.
- MAINTENANCE PERIOD**
 - ALL ESC MEASURES SHALL BE INSPECTED
 - AT LEAST DAILY (WHEN WORK IS OCCURRING ON SITE) OR WEEKLY (WHEN WORK IS NOT OCCURRING ON SITE)
 - WITHIN 24 HOURS OF EXPECTED RAIN
 - WITHIN 18 HOURS OF A RAINFALL EVENT
 - ALL ESC MEASURES SHALL BE MAINTAINED THE SAME DAY WHEN THE CAPACITY OF THE ESC MEASURE FALLS BELOW 75%.

DUST CONTROL:

- NOTE: DURING EXCAVATION, DEMOLITION AND CONSTRUCTION, ADEQUATE MEASURES SHALL BE TAKEN TO PREVENT DUST FROM AFFECTING THE AMENITY OF THE NEIGHBORHOOD.
- THE FOLLOWING MEASURES MUST BE ADOPTED:
- PHYSICAL BARRIERS SHALL BE ERECTED AT RIGHT ANGLES TO PREVENT WIND DIRECTION OR SHALL BE PLACED AROUND OR OVER DUST SOURCES TO PREVENT WIND OR ACTIVITY FROM GENERATING DUST.
 - EARTHWORKS AND SCHEDULING ACTIVITIES SHALL BE MANAGED TO COINCIDE WITH THE NEXT STAGE OF DEVELOPMENT TO MINIMISE THE AMOUNT OF TIME THE SITE IS LEFT TO CUT OR EXPOSED.
 - ALL MATERIALS SHALL BE STORED OR STOCKPILED AT THE BEST LOCATIONS.
 - THE GROUND SURFACE SHOULD BE DAMPENED SLIGHTLY TO PREVENT DUST FROM BECOMING AIRBORNE BUT SHOULD NOT BE WET TO THE EXTENT THAT RUN-OFF OCCURS.
 - ALL VEHICLES CARRYING SOIL OR RUBBLE TO OR FROM THE SITE SHALL AT ALL TIMES BE COVERED TO PREVENT THE ESCAPE OF DUST.
 - ALL EQUIPMENT WHEELS SHALL BE WASHED BEFORE EXISTING THE SITE USING MANUAL OR AUTOMATED SPRAYERS AND DRIVE - THROUGH WASHING BAYS.
 - GATES SHALL BE CLOSED BETWEEN VEHICLE MOVEMENTS SHALL BE FITTED WITH SHADE CLOTH.
 - CLEANING OF FOOTPATHS AND ROADWAYS SHALL CARRIED OUT DAILY.
 - ALL BUILDERS REFUSE, SPOIL AND/OR MATERIAL UNSUITABLE FOR USE IN LANDSCAPE AREAS SHALL BE REMOVED FROM SITE ON COMPLETION OF THE BUILDING WORKS.

MAINTENANCE OF PUBLIC ROADS:

- ALL CONSTRUCTION VEHICLES DEPARTING THE SITE SHALL HAVE THEIR TYRES WASHED DOWN.
- THE CONTRACTOR SHALL INSPECT THE PUBLIC ROADS ADJACENT THE SITE DAILY AND REMOVE ANY SOIL OR SILT DEPOSITS.
- THE CONTRACTOR SHALL PROVIDE A WASH-DOWN AREA AND ANY STORMWATER INLETS ADJACENT TO THIS AREA ARE TO BE PROTECTED FROM SITE INFILTRATION.
- THE WASH-DOWN AREA SHALL BE LOCATED SUCH THAT SILTED WATER IS FILTERED PRIOR TO LEAVING THE SITE. SHOULD THE WATER POND IT MUST BE TESTED IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL PROGRAM PRIOR TO DISPOSAL.

NOTES:

- ALL EROSION AND SEDIMENT CONTROL MEASURES TO BE INSPECTED AND MAINTAINED DAILY BY SITE MANAGER IN ACCORDANCE WITH COUNCIL REQUIREMENTS.
- ALL STOCKPILES TO BE CLEAR FROM DRAINS, GUTTERS AND FOOTPATHS.
- DRAINAGE IS TO BE CONNECTED TO STORMWATER SYSTEM AS SOON AS POSSIBLE.
- ROADS AND FOOTPATH TO BE SWEEPED DAILY AS REQUIRED BY COUNCIL.
- IF YOU DO NOT COMPLY WITH COUNCIL REQUIREMENTS & DOCUMENTATION, YOU MAY BE LIABLE TO PROSECUTION FROM GOVERNMENT AUTHORITIES .



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AMENDMENTS				
REV	DATE	DESCRIPTION	BY	CHK
A1	01.02.2024	PRELIMINARY ISSUE	ZG	DM
B1	03.06.2024	ISSUED FOR DEVELOPMENT APPLICATION	YF	DM

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EROSION AND SEDIMENT CONTROL NOTES

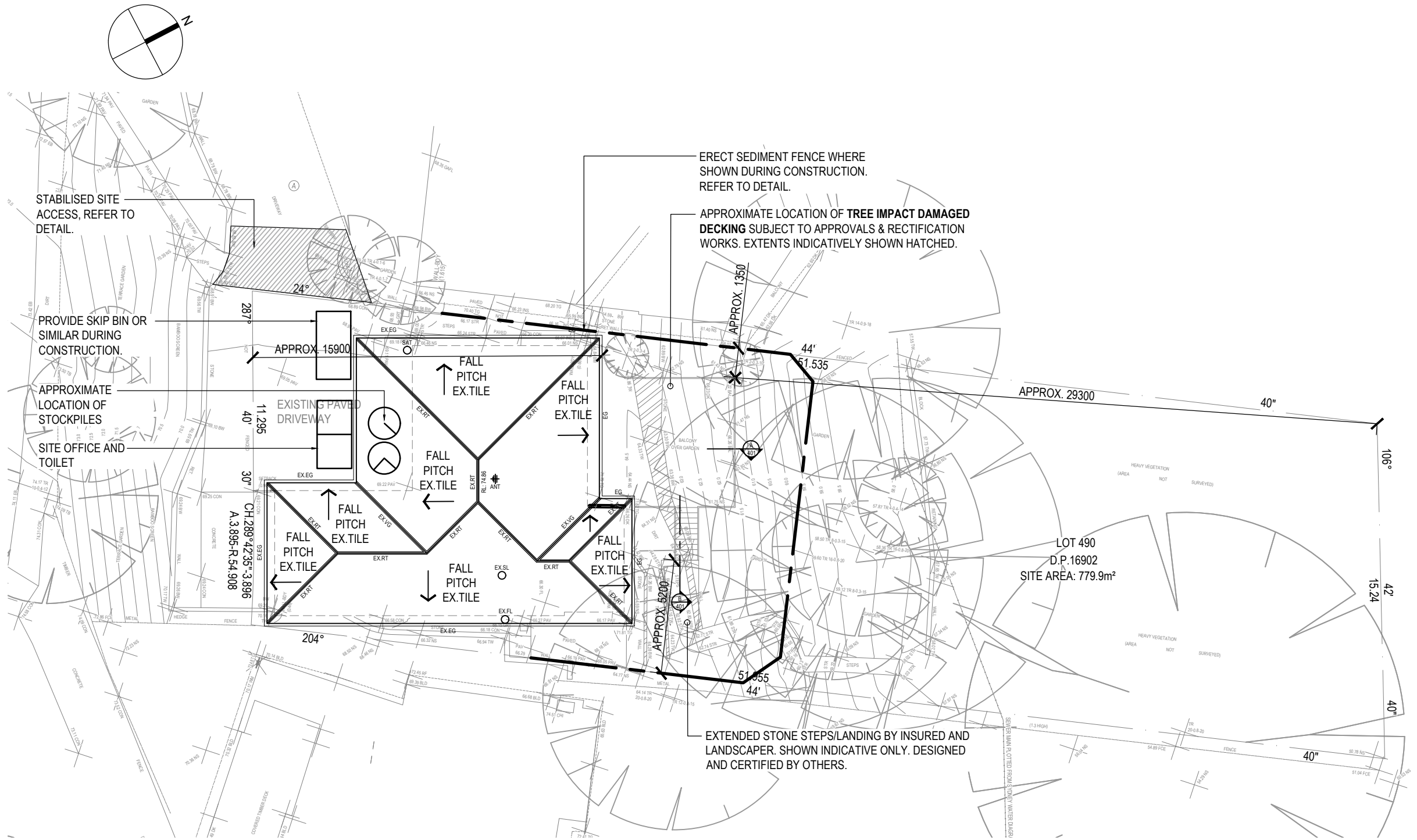
RECTIFICATION WORKS TO TREE IMPACT DAMAGED DECK
AT 2 PALMGROVE ROAD, AVALON BEACH NSW 2107
MAGNA CONSTRUCTIONS #24873-13889

DEVELOPMENT APPLICATION			
SCALE:	DATE:	JUN. 2024	
DRAWN: YF	CHECKED:	DM	
APPROVED: DM	SHEET:	A3	
PROJECT No: 202401-4181	DWG No: SW103	REV:	B1

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EROSION AND SEDIMENT CONTROL PLAN

SCALE 1:200

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EROSION AND SEDIMENT CONTROL PLAN

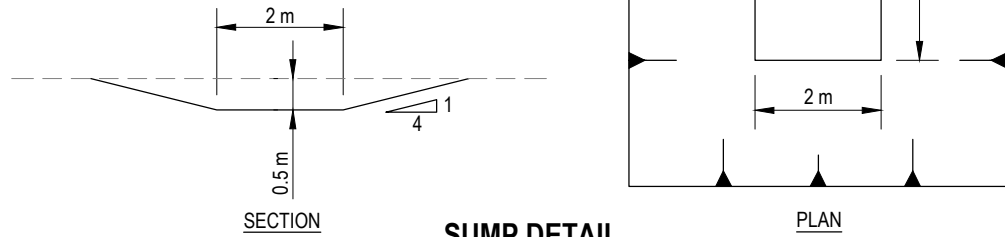
RECTIFICATION WORKS TO TREE IMPACT DAMAGED DECK AT 2 PALMGROVE ROAD, AVALON BEACH NSW 2107
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SCALE: AS NOTED	DATE: JUN. 2024		
DRAWN: YF	CHECKED: DM		
APPROVED: DM	SHEET: A3		
PROJECT No: 202401-4181	DWG No: SW104	REV: B1	

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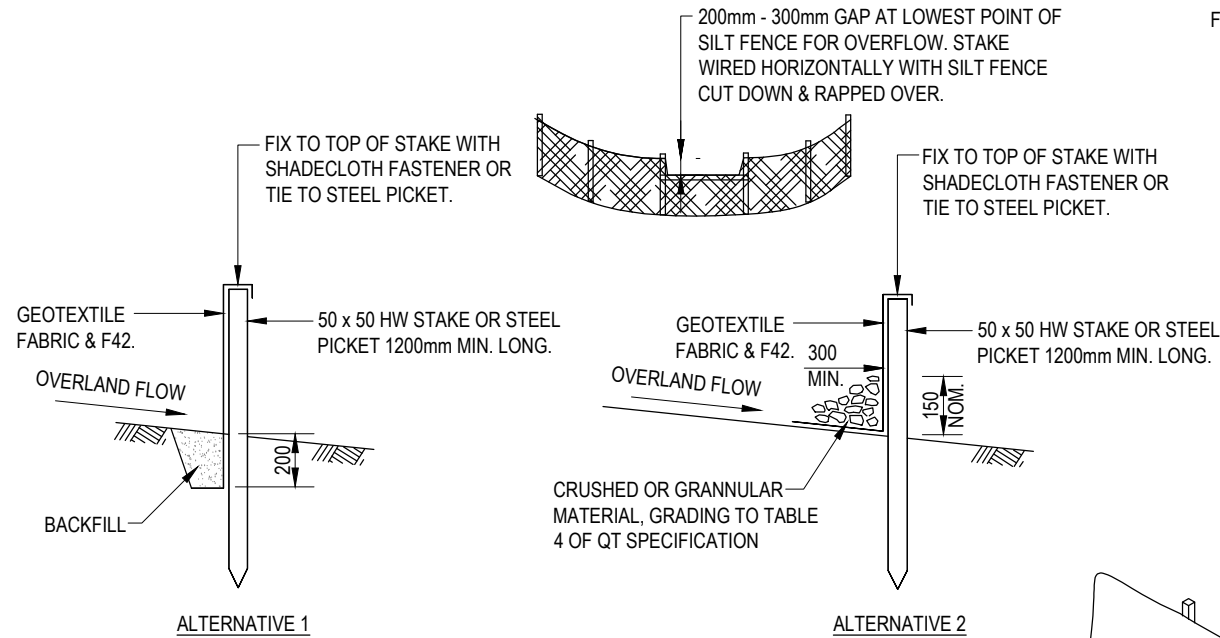
SUMP NOTES

1. AT THE END OF EACH DAYS WORK, OR BEFORE RAINFALL EVENTS, A TEMPORARY SUMP SHALL BE PROVIDED AT THE CURRENT EARTHWORKS LEVEL FOR EACH BUILDING.
2. ALL EXPOSED AREAS SHALL DRAIN TOWARDS THE BASIN.
3. EROSION AND SEDIMENT CONTROL SHALL BE IMPLEMENTED AT ALL TIME TO MINIMISE THE SCOURING OF THE EXPOSED SURFACE.



SUMP DETAIL

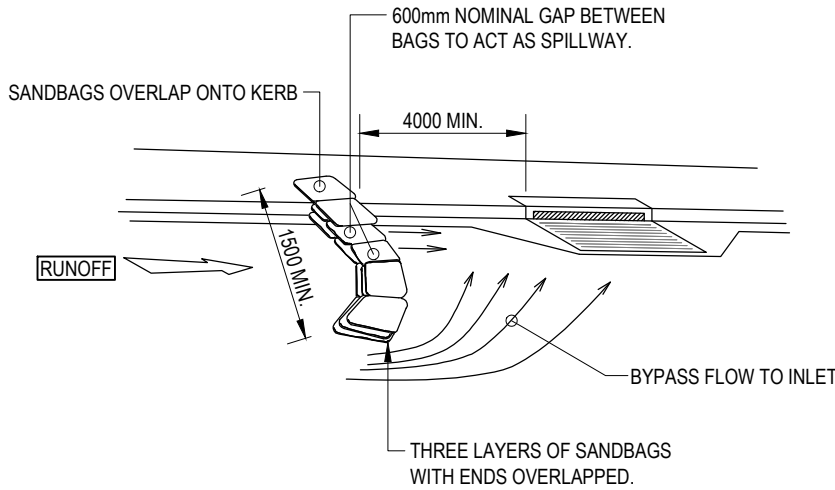
ANY WATER WHICH IS PUMPED FROM THE SITE MUST BE FLOCULATED PRIOR BEING DISCHARGED INTO EXISTING KERB & CHANNEL / STORMWATER GULLY PIT. ALTERNATIVELY ALL WATER IS TO BE COLLECTED VIA A SUITABLE TRUCK AND DISPOSED OF AT AN APPROVED FACILITY.



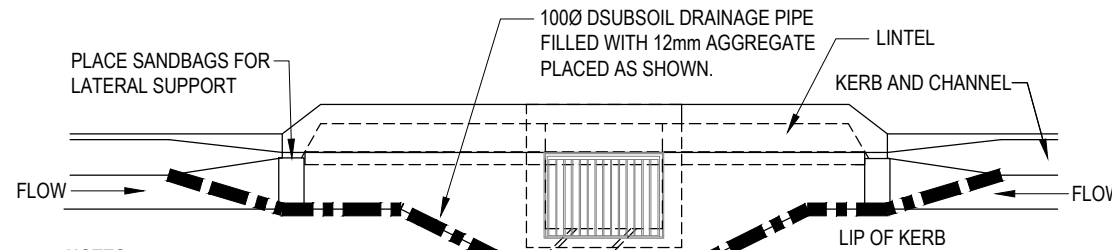
SILT FENCE

SILT FENCE NOTES

1. NOT TO BE LOCATED IN AREAS OF CONCENTRATED FLOW.
2. NORMALLY LOCATED ALONG THE CONTOUR WITH A MAXIMUM CATCHMENTS AREA 0.6 ha PER 100m LENGTH OF FENCE.
3. WOVEN FABRICS ARE PREFERRED, NO-WOVEN FABRICS MAY BE USED ON SMALL WORK SITES, I.E. OPERATIONAL PERIOD LESS THAN 6 MONTHS OR ON SITES WHERE SIGNIFICANT SEDIMENT RUNOFF IS NOT EXPECTED.
4. WHERE FENCES NEED TO BE LOCATED ACROSS THE CONTOUR THE LAYOUT SHALL CONFORM TO 'TYPICAL LAYOUT ACROSS GRADE'.
5. FENCES ARE REQUIRED 2m MIN. FROM TOE OF CUT OR FILL BATTERS, WHERE NOT PRACTICAL ONE FENCE CAN BE AT THE TOE WITH A SECOND FENCE 1m MIN. AWAY. FENCE SHOULD NOT BE LOCATED PARALLEL WITH TOE IE. CONCENTRATION OF FLOW WILL OCCUR BEHIND THE FENCE.



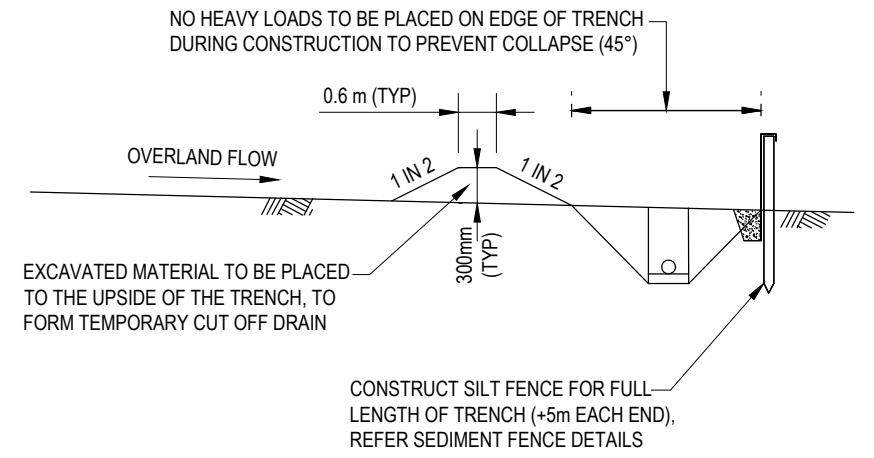
ON GRADE KERB INLET SEDIMENT TRAP



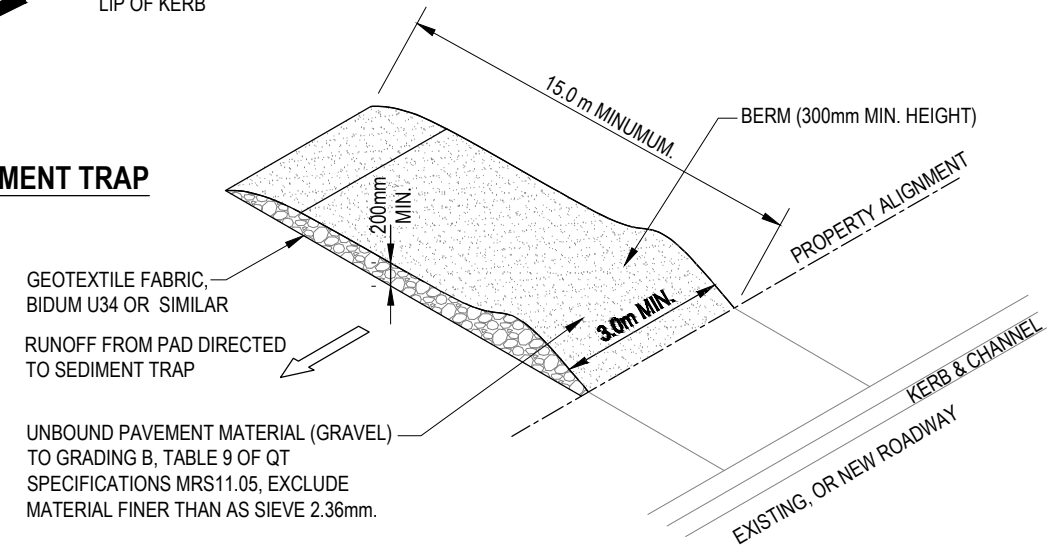
NOTES

1. SAG GULLIES SHALL HAVE EQUAL PORTIONS OF AGGREGATE FILLED SUBSOIL DRAIN TO BOTH SIDES OF GRATE
2. TRAP SHALL BE MANUALLY CLEANED AFTER EACH RAINFALL EVENT OR AS INSTRUCTED BY SUPERINTENDENT
3. IF SUBSOIL DRAIN MOVEMENT IS EVIDENT, WEIGH DOWN WITH INTERMITTENT SAND BAGS.

SAG KERB INLET SEDIMENT TRAP



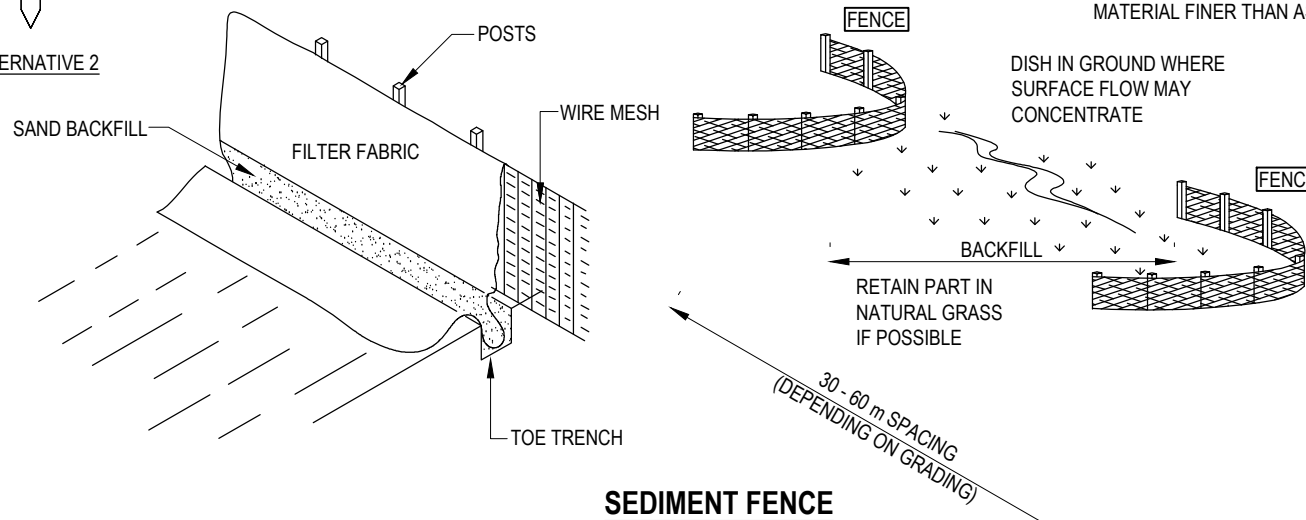
TYPICAL TRENCH LAYOUT



TEMPORARY CONSTRUCTION ENTRY / EXIT SEDIMENT TRAP.

ENTRY / EXIT NOTES

1. TEMP CONSTRUCTION ENTRY / EXIT SEDIMENT TRAP
 - 1A ADJACENT STORMWATER RUNOFF TO BE DIVERTED AWAY FROM ENTRY/EXIT
 - 1B WHEEL - WASH OR SPRAY UNIT MAY BE REQUIRED DURING WET WEATHER
2. SAFETY ISSUES MUST BE CONSIDERED AT ALL TIMES, INCORPORATE TRAFFIC CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT.
3. ALL DIMENSIONS IN MILLIMETERS UNLESS INDICATED OTHERWISE.



SEDIMENT FENCE

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