LOCALITY SKETCH
NOT TO SCALE

MOUND NOTES:

1. SEE SHEET 02 FOR EROSION & SEDIMENT CONTROL PLAN.
2. MAITLAND CITY COUNCIL PLANNER HAS ADVISED FLOOD PLANNING LEVEL IS **R.L.5.10 (A.H.D.)** FOR NEARBY SITES IN RECENT YEARS. IN LIEU OF RIGOROUS FLOOD MODELLING THIS LEVEL IS ADOPTED.
3. WHERE FUTURE BUILDINGS ARE NOT PROPOSED TO PIER TO NATURAL FIRM BASE;
   - 3.1. FILLING IS TO BE OF SOUND CLEAN MATERIAL, REASONABLE STANDARD AND FREE FROM LARGE ROCK, STUMPS, ORGANIC MATTER AND OTHER DEBRIS.
   - 3.2. PLACING OF FILLING ON THE PREPARED AREAS SHALL NOT COMMENCE UNTIL THE AUTHORITY TO DO SO HAS BEEN OBTAINED FROM THE COUNCIL.
   - 3.3. ALL REGRADING WORK SHALL BE IN ACCORDANCE WITH AS 3798. FILL IS TO BE PLACED IN LAYERS NOT EXCEEDING 150mm COMPACTED THICKNESS. ALL FILL IS TO BE COMPACTED TO RESPONSIBILITY LEVEL 1. MAXIMUM PARTICLE SIZE TO BE 2/3 THE LAYER THICKNESS.
   - 3.4. REGRADING AREAS TO BE DRESSED WITH CLEAN ARABLE TOPSOIL TO DEPTH OF 150mm, FERTILISED AND SEEDED WITH GRASS.

TOTAL MOUND

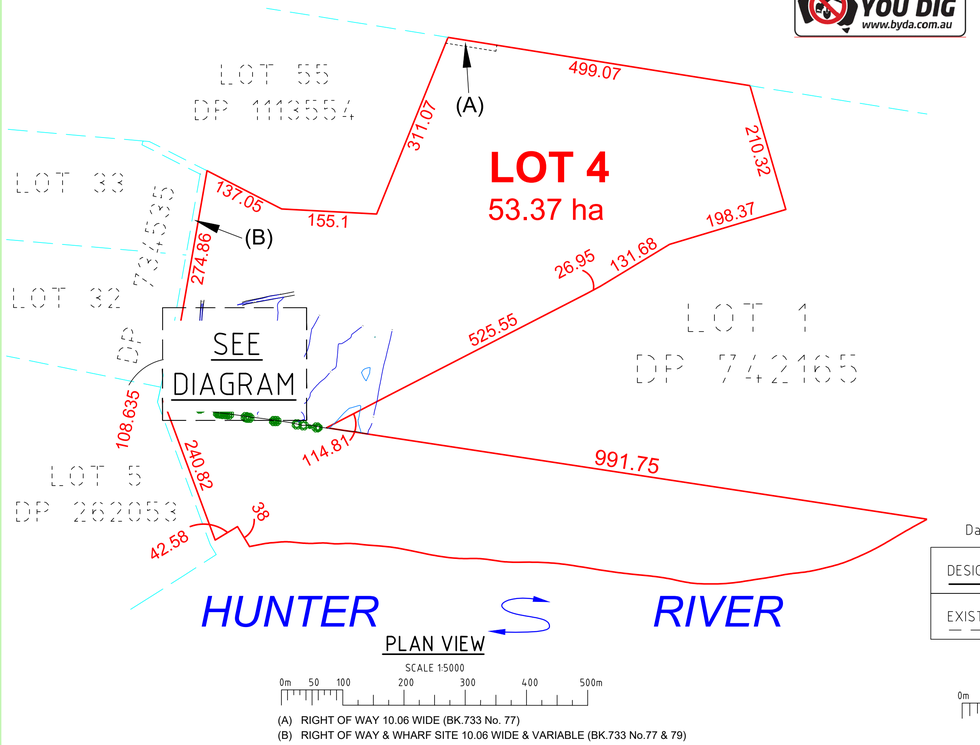
EARTHWORKS AREAS & VOLUMES			
TYPE	Color	Area (m^2)	Volume (m^3)
FILL		17,565.0	55,354.3

SURVEY LEGEND

TREE CANOPY (APPROXIMATE)
TREE
R.L AT BASE OF TREE
BENCH MARK
TOP OF BATTER

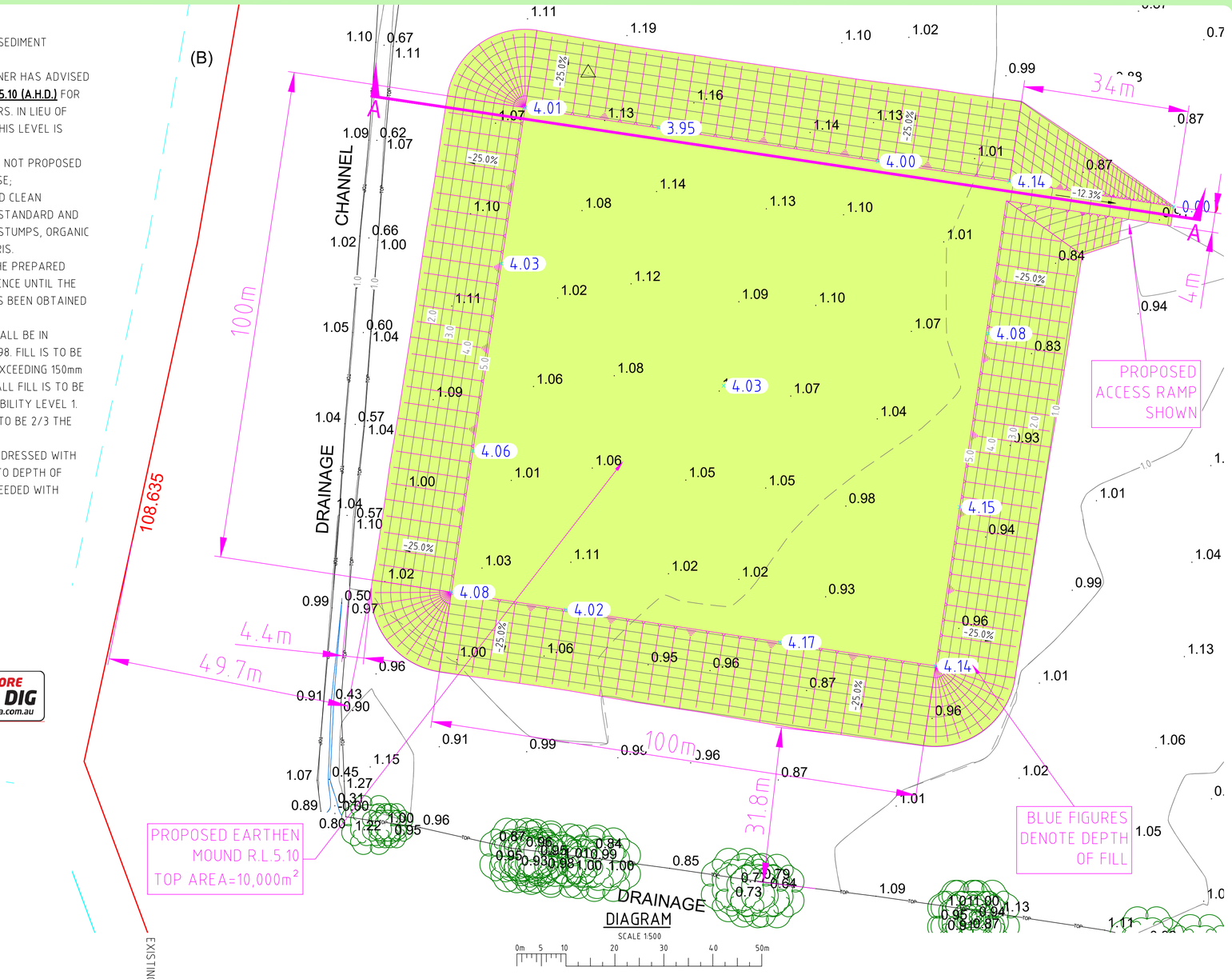
MGA NORTH

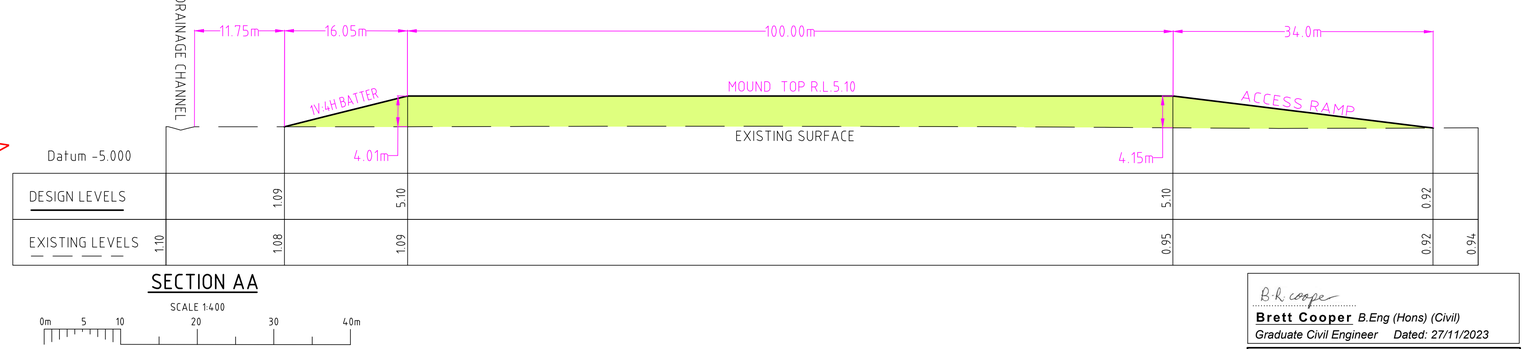
BEFORE YOU DIG www.byda.com.au



PLAN VIEW
SCALE 1:5000
0m 50 100 200 300 400 500m

(A) RIGHT OF WAY 10.06 WIDE (BK.733 No. 77)
(B) RIGHT OF WAY & WHARF SITE 10.06 WIDE & VARIABLE (BK.733 No.77 & 79)





SECTION AA
SCALE 1:400
0m 5 10 20 30 40m

B.h cooper
Brett Cooper *B.Eng (Hons) (Civil)*
Graduate Civil Engineer *Dated: 27/11/2023*

NOT FOR CONSTRUCTION

LE MOTTEE GROUP
SURVEYING | CIVIL ENGINEERING | TOWN PLANNING | PROJECT MANAGEMENT
STRATA CERTIFICATION | ECOLOGY | BUSHFIRE ASSESSMENT

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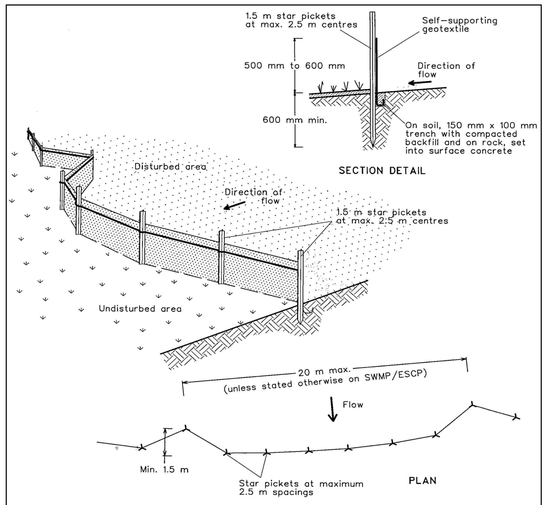
Revisions:

No.	Details	Date	Drawn
A	ISSUED FOR CLIENT COMMENT	27/11/23	BRC

Technical Details:
Azimuth - MGA 2020
Datum - AHD
Drawn - BRETT COOPER (CIVIL ENGINEER)
Surveyed - MB (16/11/2023)

Title: PLAN VIEW, DETAIL VIEW, SECTION & VOLUMES FOR PROPOSED MOUND & ACCESS RAMP
Client: MULLIGAN HOLDINGS No.2 PTY LTD
Site: LOT 4 D.P. 262053 - No.181 WOODBERRY ROAD
Locality: MILLERS FOREST LGA: MAITLAND

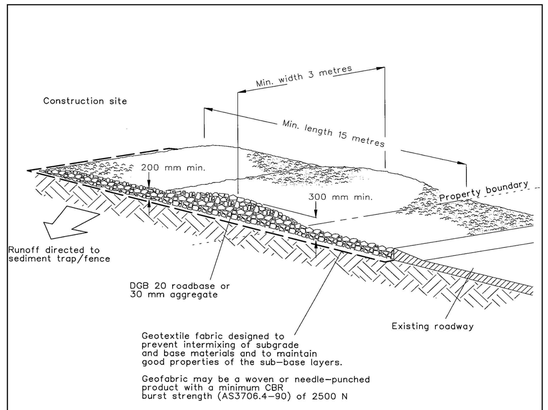
Our Ref: 9231 MOUND-A
Original Size: A1
Sheet No.: 01 of 02



Construction Notes

1. Construct sediment fences as close as possible to being parallel to the contours of the site, but with small returns as shown in the drawing to limit the catchment area of any one section. The catchment area should be small enough to limit water flow if concentrated at one point to 50 litres per second in the design storm event, usually the 10-year event.
2. Cut a 150-mm deep trench along the upslope line of the fence for the bottom of the fabric to be entrenched.
3. Drive 1.5 metre long star pickets into ground at 2.5 metre intervals (max) at the downslope edge of the trench. Ensure any star pickets are fitted with safety caps.
4. Fix self-supporting geotextile to the upslope side of the posts ensuring it goes to the base of the trench. Fix the geotextile with wire ties or as recommended by the manufacturer. Only use geotextile specifically produced for sediment fencing. The use of shade cloth for this purpose is not satisfactory.
5. Join sections of fabric at a support post with a 150-mm overlap.
6. Backfill the trench over the base of the fabric and compact it thoroughly over the geotextile.

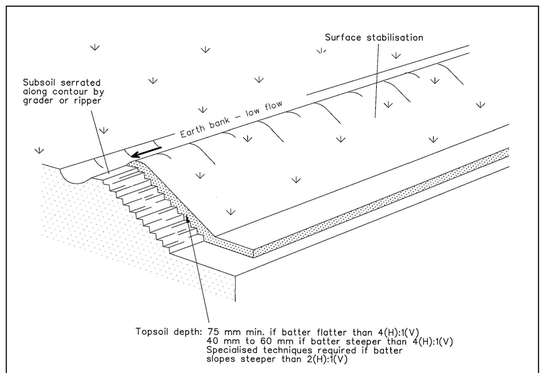
SEDIMENT FENCE **SD 6-8**



Construction Notes

1. Strip the topsoil, level the site and compact the subgrade.
2. Cover the area with needle-punched geotextile.
3. Construct a 200-mm thick pad over the geotextile using road base or 30-mm aggregate.
4. Ensure the structure is at least 15 metres long or to building alignment and at least 3 metres wide.
5. Where a sediment fence joins onto the stabilised access, construct a hump in the stabilised access to divert water to the sediment fence

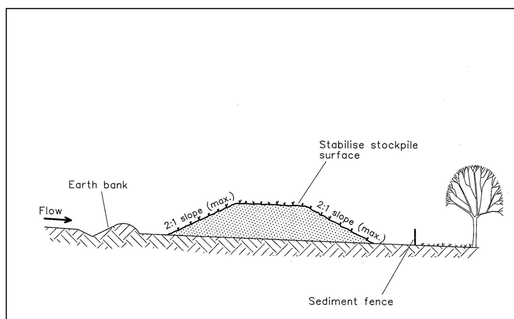
STABILISED SITE ACCESS **SD 6-14**



Construction Notes

1. Scarify the ground surface along the line of the contour to a depth of 50 mm to 100 mm to break up any hardsetting surfaces and to provide a good bond between the respread material and subsoil.
2. Add soil ameliorants as required by the ESCP or SWMP.
3. Rip to a depth of 300 mm if compacted layers occur.
4. Where possible, replace topsoil to a depth of 40 to 60 mm on lands where the slope exceeds 4(H):1(V) and to at least 75 mm on lower gradients.

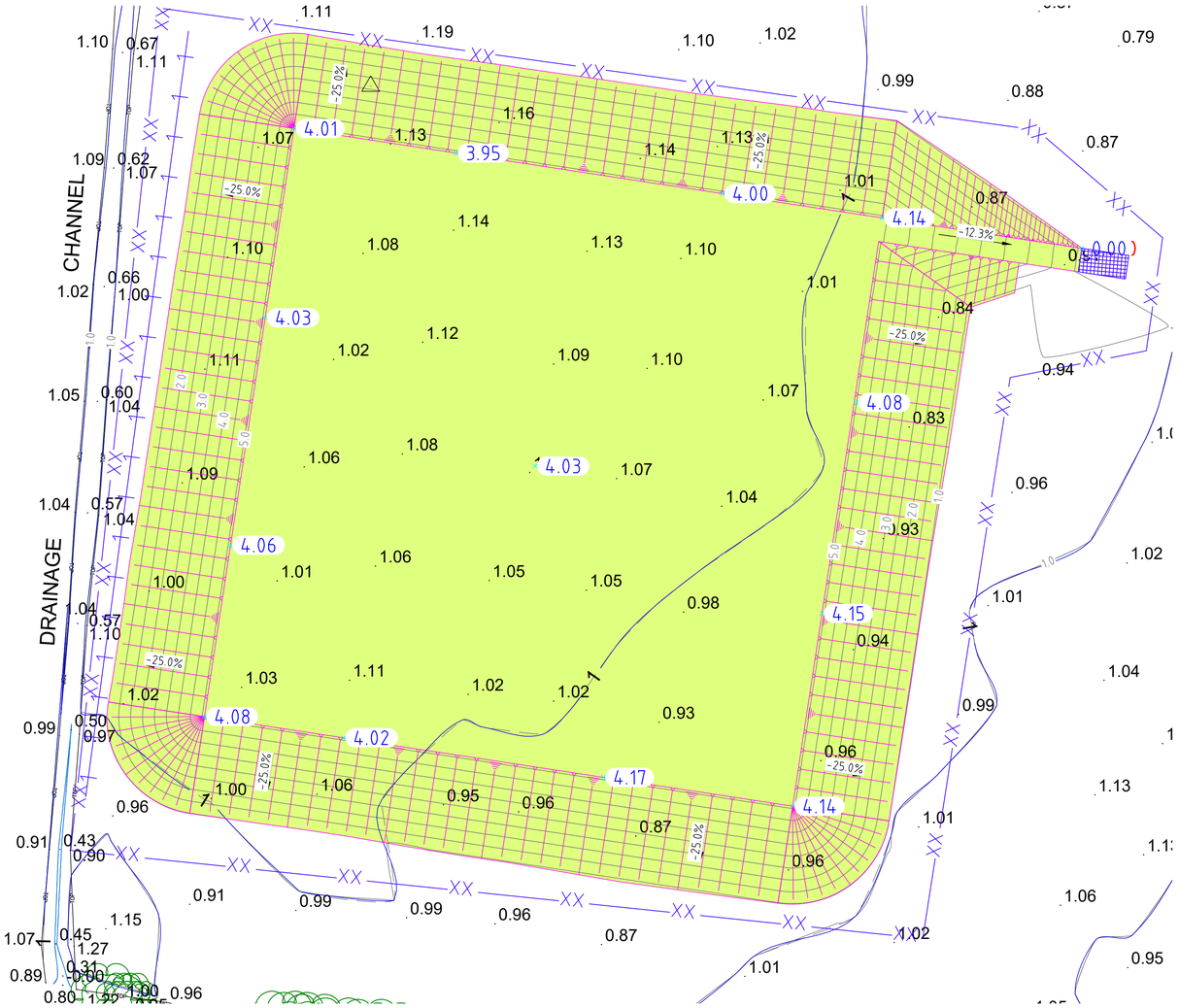
REPLACING TOPSOIL **SD 4-2**



Construction Notes

1. Place stockpiles more than 2 (preferably 5) metres from existing vegetation, concentrated water flow, roads and hazard areas.
2. Construct on the contour as low, flat, elongated mounds.
3. Where there is sufficient area, topsoil stockpiles shall be less than 2 metres in height.
4. Where they are to be in place for more than 10 days, stabilise following the approved ESCP or SWMP to reduce the C-factor to less than 0.10.
5. Construct earth banks (Standard Drawing 5-5) on the upslope side to divert water around stockpiles and sediment fences (Standard Drawing 6-8) 1 to 2 metres downslope.

STOCKPILES **SD 4-1**



EROSION & SEDIMENT CONTROL PLAN

SCALE 1:500

0m 5 10 20 30 40 50m

EROSION AND SEDIMENT CONTROL NOTES

1. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED IF DEEMED NECESSARY BY THE CERTIFIER OR COUNCIL.
3. PROVIDE COUNCIL STANDARD EROSION CONTROL SIGN IN PROMINENT LOCATION ON SITE.
4. ALL STANDARD DRAWINGS REFER TO THE "MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTION" VOLUME 1 4TH EDITION MARCH 2004.
5. WHERE ANY DOUBT OR AMBIGUITY EXISTS WITH EROSION AND SEDIMENT CONTROL MEASURES ON THE SITE OR WITHIN THE SE PLANS, THE PROCEDURES AND PRACTICES SET OUT IN THE AFOREMENTIONED MANUAL ARE TO TAKE PRECEDENCE.
6. TOPSOIL SHOULD BE PROGRESSIVELY STRIPPED FROM SITE AND ABOVE TRENCHES AND STOCKPILED FOR LATER RESPREADING TO AID REVEGETATION.
7. STOCKPILES ARE TO BE CONSTRUCTED GENERALLY IN ACCORDANCE WITH THE DIAGRAM ON THIS SHEET AND IN STRICT ACCORDANCE WITH STANDARD DRAWING SD 4-1.
8. THE TEMPORARY SITE ACCESS IS TO BE CONSTRUCTED AT MAIN GATE TO SITE AND GENERALLY IN ACCORDANCE WITH THE DIAGRAM ON THIS SHEET AND IN STRICT ACCORDANCE WITH STANDARD DRAWING SD 6-14.
9. WHOLE OF DISTURBED SITE IS TO BE GRASS SEEDED. ANY BATTERS ARE TO BE TURFED LONGITUDINALLY AT 5 METRE SPACINGS.
10. ALL TRENCHES ARE TO BE BACKFILLED AND ARE TO BE GRASS SEEDED AND STABILISED WHERE NECESSARY AND A STRIP OF TURF LAID ACROSS THE TRENCH AT 10M INTERVALS.
11. SEDIMENT FENCES ARE TO BE INSTALLED GENERALLY IN ACCORDANCE WITH THE DIAGRAM ON THIS SHEET AND IN STRICT ACCORDANCE WITH STANDARD DRAWING SD 6-8.
12. ON ALL REGRADE AREAS AT THE CONCLUSION OF WORK EACH SATURDAY OR IN THE LIKELIHOOD OF RAIN ON ANY DAY EARTH BERMS OR BANKS SHALL BE PLACED ON THE TOPS OF BANKS TO LIMIT DAMAGE FROM RUNOFF.
13. CUT AND FILL BATTER GRADIENTS TO BE MAXIMUM OF 1:3 WITH 1:6 DESIRABLE.
14. TOPSOIL IS TO BE REPLACED IN ACCORDANCE WITH STANDARD DRAWING SD 4-2.
15. ALL EROSION AND SEDIMENT CONTROL WORKS ARE TO BE INSTALLED AS SOON AS POSSIBLE AND TO BE MAINTAINED IN A FUNCTIONING CONDITION.
16. ALL DISTURBED AREAS AND CONSTRUCTED BATTERS ARE TO BE STABILISED AND/OR REVEGETATED WITHIN 14 DAYS OF EARTHWORKS COMPLETION, RESPREAD WITH TOPSOIL AND GRASS SEEDED USING THE FOLLOWING SEED AND FERTILISER MIXTURE;

	SPRING/SUMMER	AUTUMN/WINTER
JAPANESE MILLET	10 KG/HA	0 KG/HA
RYECORN/OATS	0 KG/HA	15 KG/HA
COUCH GRASS	10 KG/HA	8 KG/HA
PERENNIAL RYEGRASS	5 KG/HA	10 KG/HA
STARTER FERTILISER (SOWING)	300 KG/HA	300 KG/HA
MAINTENANCE FERTILISER	100 KG/HA	100 KG/HA (FOLLOWING SPRING/AUTUMN)

17. SILT FENCES ON FILLED AREAS TO BE PLACED AT THE COMPLETION OF FILLING AND GRADING.
18. ALL SEDIMENT TRAPS ARE TO BE IN PLACE AT THE END OF WORK EACH DAY.
19. NO MORE THAN 150M OF TRENCH TO BE OPEN AT ANY ONE TIME.
20. ALL TEMPORARY EARTH STRUCTURES, INCLUDING SOIL STOCKPILES, TO BE TRACK ROLLED AND SEEDED WITHIN 14 DAYS OF THEIR CONSTRUCTION, WITH THE FOLLOWING COVER CROP/FERTILISER MIXTURE.

JAPANESE MILLET	30 KG/HA (SPRING/SUMMER)
RYECORN/OATS	30 KG/HA (AUTUMN/WINTER)
STARTER FERTILISER	250 KG/HA

21. ALL SEDIMENT CONTROL STRUCTURES TO BE INSPECTED AFTER EACH RAINFALL EVENT FOR STRUCTURAL DAMAGE AND REPAIRED/REINSTATED AS NECESSARY.

LEGEND:

- DENOTES SEDIMENT FENCE SD 6-8
- XX — LIMIT OF CLEARING AND GRADING
- STABILISED SITE ACCESS

EROSION & SEDIMENT CONTROL CONSTRUCTION SCHEDULE

ACTIVITY SCHEDULE	WEEK 1	2	3	4	5	6
Temporary Construction Exit	—					
Sediment Fence/Diversion Banks	—	—				
Topsoil Stockpiling		—	—			
Cut and Fill Earthworks			—	—		
Revegetation					—	—
Maintenance of Work	—		—		—	→

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Graduate Civil Engineer *Dated: 27/11/2023*

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Original Size: A1 Sheet No.: 02 of 02

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