



SD 5-5



Construction Notes

- 1. Fabricate a sediment barrier made from geotextile or straw bales. 2. Follow Standard Drawing 6-7 and Standard Drawing 6-8 for installation procedures for
- the straw bales or geofabric. Reduce the picket spacing to 1 metre centres. 3. In waterways, artificial sag points can be created with sandbags or earth banks as shown
- in the drawing. 4. Do not cover the inlet with geotextile unless the design is adequate to allow for all waters to bypass it.

GEOTEXTILE INLET FILTER

- TO CONSTRUCT A SEDIMENT CONTROL DEVICE ONLY SUFFICIENT GROUND SHALL BE STRIPPED TO ALLOW CONSTRUCTION.
- ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DIAGRAMMATIC ONLY AND THE ACTUAL REQUIREMENTS SHALL BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT.
- 3. CONFORMITY WITH THIS PLAN SHALL IN NO WAY REDUCE THE DAMAGE DURING THE COURSE OF THE CONTRACT. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT ANY NECESSARY CONTROL IS IN PLACE EVEN THOUGH SUCH CONTROL MAY NOT BE SHOWN ON THE PLAN.
- 4. THE CONTRACTOR SHALL INFORM ALL SUBCONTRACTORS AND ALL FOR SOIL EROSION AND POLLUTION TO DOWNSTREAM AREAS
- SITE IN A MANNER APPROVED BY THE ENGINEER.
- 6. THE CONTRACTOR SHALL TEMPORARILY REHABILITATE WITHIN TEN (10) MINIMUM 70% COVER.
- THE LANDSCAPE DRAWINGS.
- 8. THE CONTRACTOR SHALL PROVIDE WATERING OF THE VEGETATED BATTERS FOR MAINTENANCE PERIOD, TO LANDSCAPE ARCHITECT SPECIFICATIONS. PLANT, MACHINERY AND VEHICLES SHALL NOT BE DRIVEN OVER GRASSED AREAS UNLESS ON AN APPROVED HAULAGE ROUTE.
- 9. ALL DRAINAGE WORKS SHALL BE CONSTRUCTED AND STABILISED AS QUICKLY AS POSSIBLE TO MINIMISE RISK OF EROSION.
- 10. SITE ACCESS SHALL BE RESTRICTED TO THE NOMINATED POINTS.
- 11. DUST AND SITE DISTURBANCE MUST BE KEPT TO A MINIMUM ALWAYS. MOIST (NOT WET) BY SPRINKLING WITH WATER TO REDUCE WIND THIS PROJECT.

SD 6-12

- 12. STOCKPILE TOPSOILS, SUBSOILS AND OTHER MATERIALS SEPARATELY
- 13. TOPSOIL SHALL BE STORED IN LOW MOUNDS NO MORE THAN 2 METRES HIGH AND RE-USED WITHIN TWO MONTHS TO MAINTAIN ACTIVE POPULATIONS OF BENEFICIAL SOIL MICROBES AND SEED.
- AND ROADS. IF NECESSARY, EARTH BANKS OR DRAINS WILL BE CONSTRUCTED TO DIVERT LOCALISED RUN-ON.
- 15. TURN TOPSOIL STOCKPILES OVER TO AERATE THEM AT MONTHLY
- 16. AVOID REVERSING THE SOIL PROFILE MATERIALS DURING FILL OPERATIONS - REPLACE DISTURBED SOILS IN THEIR ORIGINAL ORDER.
- LEAVE DISTURBED LANDS WITH A LOOSE SURFACE. ALTERNATELY,
- LESS AND TO A DEPTH OF 40 TO 60mm IN REVEGETATION AREAS STEEPER THAN 4:1.
- 19. LEAVE TOPSOIL IN A SCARIFIED OR ROUGH CONDITION ONCE REPLACED TO HELP MOISTURE INFILTRATION AND REDUCE SOIL EROSION.
- IRRIGATION) IMMEDIATELY BEFORE PLANTING.
- 21. HANDLE TOPSOIL ONLY WHEN IT IS MOIST (NOT WET OR DRY) TO AVOID

SEDIMENT & EROSION CONTROL NOTES

THE CONTRACTOR SHALL IMPLEMENT ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO THE COMMENCEMENT OF ANY WORKS BEING CARRIED OUT, ALL SOIL AND EROSION MEASURES SHALL BE MAINATAINED AND KEPT IN PLACE FOR THE FULL DURATION OF THE WORKS AND SHALL ONLY BE REMOVED AT FINAL STABILISATION OF THE WORKS. WHERE IT IS NECESSARY TO UNDERTAKE STRIPPING IN ORDER

CONSTRUCTED AND MAINTAINED AS INDICATED ON THESE DRAWINGS. LOCATION AND EXTENT OF SOIL AND WATER MANAGEMENT DEVICES IS

RESPONSIBILITY OF THE CONTRACTOR TO PROTECT AGAINST WATER

EMPLOYEES OF THEIR RESPONSIBILITIES IN MINIMISING THE POTENTIAL

5. APART FROM SEDIMENT BASINS, THE CONTRACTOR SHALL REGULARLY MAINTAIN SEDIMENT AND EROSION CONTROL STRUCTURES AND DESILT SUCH STRUCTURES PRIOR TO THE REDUCTION IN CAPACITY OF 30% DUE TO ACCUMULATED SEDIMENT. THE SEDIMENT SHALL BE DISPOSED OF ON

DAYS ANY DISTURBED AREAS PROVIDING A MINIMUM 60% COVER. FINAL REHABILITATION IS TO BE PROVIDED WITHIN A FURTHER 60 DAYS WITH A

7. ALL BATERS AND DISTURBED LAND TO BE REVEGETATED AS SPECIFIED IN

DURING WINDY WEATHER, LARGE, UNPROTECTED AREAS MUST BE KEPT EROSION. ERECT BARRIER FENCING TO MINIMISE LAND DISTURBANCE BY PREVENTING VEHICULAR AND PEDESTRIAN ACCESS TO AREAS BEING REHABILITATED AND LANDS THAT DO NOT NEED TO BE DISTURBED BY

14. PLACE ALL STOCKPILES AT LEAST FIVE METRES FROM AREAS OF LIKELY CONCENTRATED OR HIGH VELOCITY FLOWS. ESPECIALLY EARTH BANKS

INTERVALS. ENSURE VEGETATION IS NOT INCORPORATED INTO THE SOIL.

17. ON COMPLETION OF MAJOR EARTHWORKS AND BEFORE ADDING TOPSOIL, DISTURBED AREAS PREVIOUSLY COMPACTED BY CONSTRUCTION WORKS WILL BE RIPPED TO MORE THAN 200-MM ALONG THE CONTOUR BEFORE APPLYING TOPSOIL (REFER REPLACING TOPSOIL STANDARD DETAIL).

18. PROVIDING MATERIALS ARE AVAILABLE, SPREAD TOPSOIL TO A MINIMUM DEPTH OF 75mm IN REVEGETATION AREAS ON SLOPES OF 4(H):1(V) OR

20. ENSURE SOIL IS THOROUGHLY SOAKED TO A DEPTH OF 75mm (RAIN OR

DECLINE OF SOIL STRUCTURE

- 22. SEDIMENT BASINS SHALL BE MAINTAINED FOR THE ENTIRE DURATION OF THE PROJECT OR UNTIL SUCH TIME AS ALL DISTURBED AREAS ARE HYDROMULCHED.
- 23. WHERE FLOCCULATION OF BASINS IS REQUIRED UNLESS OTHERWISE SPECIFIED THE RECOMMENDED INITIAL DOSING IS 30KG OF GYPSUM PER 100 CUBIC METRES OF BASIN VOLUME. THE CONTRACTOR MAY VARY THIS RATE SUBJECT TO TESTING OF PREVIOUS WATER SAMPLES AND THE ACHIEVEMENTS OF THE REQUIRED WATER QUALITY STANDARDS.
- 24. ANY DAMS TO BE DESILTED SHALL BE FLOCCULATED TO SETTLE ANY SUSPENDED SOLIDS CLEAR WATER SHALL THEN BE PUMPED OUT IN A MANNER THAT WILL NOT CAUSE DOWNSTREAM EROSION. THE DAM WALL SHALL THEN BE BREACHED AND ANY SILT REMOVED AND PLACED IN A SUITABLY CONSTRUCTED DRYING BASIN. WHEN DRY, THE SILT SHALL BE REMOVED FROM SITE OR MIXED WITH TOP SOIL FOR FUTURE SPREADING
- 25. THE CONTRACTOR SHALL MAINTAIN A LOG BOOK DETAILING:
- RECORDS OF ALL RAINFALL CONDITION OF SOIL AND WATER MANAGEMENT STRUCTURES
- ANY APPLICATION OF FLOCCULATING AGENTS TO SEDIMENT BASIN
- VOLUMES OF ALL WATER DISCHARGED FROM SEDIMENT BASINS ANY ADDITIONAL REMEDIAL WORKS REQUIRED
- 26. THE LOG BOOK SHALL BE MAINTAINED ON A WEEKLY BASIS AND BE MADE AVAILABLE TO ANY AUTHORISED PERSON UPON REQUEST. THE ORIGINAL LOG BOOK SHALL BE ISSUED TO THE PROJECT MANAGER AT THE COMPLETION OF WORKS
- 27. A SELF AUDITING PROGRAM SHOULD BE ESTABLISHED BASED ON A CHECK SHEET DEVELOPED FOR THE SITE. A SITE INSPECTION USING THE CHECK SHEET SHOULD BE MADE BY THE SITE MANAGER AT LEAST WEEKLY, IMMEDIATELY BEFORE SITE CLOSURE AND IMMEDIATELY FOLLOWING RAINFALL EVENTS THAT CAUSE RUNOFF.

28. UNDERTAKE THE SELF AUDIT BY:

- a. WALKING AROUND THE SITE SYSTEMATICALLY (E.G. CLOCKWISE) b. RECORDING THE CONDITION OF EVERY BEST MANAGEMENT PRACTISE EMPLOYED
- c. RECORDING MAINTENANCE REQUIREMENTS (IF ANY) FOR EACH BEST MANAGEMENT PRACTISE d. RECORDING THE VOLUMES OF SEDIMENT REMOVED FROM THE
- SEDIMENT RETENTION SYSTEMS WHERE APPLICABLE
- e. RECORDING THE SITE WHERE SEDIMENT IS DISPOSED
- f. FORWARDING A SIGNED DUPLICATE OF THE COMPLETED CHECK SHEET TO THE PROJECT MANAGER/DEVELOPER/SITE OPERATOR FOR THEIR INFORMATION
- 29. IN PARTICULAR, INSPECT: LOCATIONS WHERE VEHICLES ENTER AND LEAVE THE SITE ALL INSTALLED EROSION AND SEDIMENT CONTROL MEASURES, ENSURING THEY ARE OPERATING CORRECTLY AREAS THAT MIGHT SHOW WHETHER SEDIMENT OR OTHER POLLUTANTS ARE LEAVING THE SITE OR HAVE POTENTIAL TO DO SO ALL DISCHARGE POINTS, TO ASSESS WHETHER THE EROSION AND SEDIMENT CONTROL MEASURES ARE EFFECTIVE IN PREVENTING IMPACTS TO THE RECEIVING WATERS
- 30. A SITE INSPECTION USING THE CHECK SHEET WILL BE MADE BY THE SITE MANAGER AT LEAST WEEKLY, IMMEDIATELY BEFORE SITE CLOSURE, AND IMMEDIATELY FOLLOWING RAINFALL EVENTS GREATER THAN 5mm IN 24 HOURS.
- 31. SILT FENCES ARE TO BE PLACED DOWN GRADIENT OF ALL AREAS OF OPEN EARTHWORK THAT DO NOT HAVE AT LEAST A 10m WIDE GRASS BUFFER STRIP ON THEIR DOWN SLOPE SIDE.
- 32. CLEAN WATER DIVERSION CHANNELS/BUNDS ARE TO BE PLACED UP GRADIENT OF ANY AREAS OF OPEN EARTHWORKS.
- 33. GRASS COVER IS TO BE MAINTAINED AS LONG AS POSSIBLE AND ONLY REMOVED WHEN NECESSARY FOR CONSTRUCTION ACTIVITIES AT THAT LOCATION.
- 34. AREAS OF OPEN EARTHWORKS ARE TO BE KEPT TO A MINIMUM AT ALL STAGES OF CONSTRUCTION



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