

MATERIALS (EMBANKMENT)

EARTH FILL: CLEAN SOIL WITH EMERSON CLASS 2(1), 3, 4, OR 5, AND FREE OF ROOTS, WOODY VEGETATION, ROCKS AND OTHER UNSUITABLE MATERIAL. SOIL WITH EMERSON CLASS 4 AND 5 MAY NOT BE SUITABLE DEPENDING ON PARTICLE SIZE DISTRIBUTION AND DEGREE OF DISPERSION. CLASS 2(1) SHOULD ONLY BE USED UPON RECOMMENDATION FROM GEOTECHNICAL SPECIALIST. THIS SPECIFICATION MAYBE REPLACED BY AN EQUIVALENT STANDARD BASED ON THE EXCHANGEABLE SODIUM PERCENTAGE.

INSTALLATION

1. REFER TO APPROVED PLANS FOR LOCATION, SIZE, AND CONSTRUCTION DETAILS. IF THERE ARE QUESTIONS OR PROBLEMS WITH THE LOCATION, SIZE OR METHOD OF INSTALLATION, CONTACT THE ENGINEER OR RESPONSIBLE ON-SITE OFFICER FOR ASSISTANCE.
2. CLEAR THE LOCATION OF THE SEDIMENT TRAP. REMOVE TREES, STUMPS, ROOTS AND OTHER SURFACE AND SUB-SURFACE MATTER THAT WOULD INTERFERE WITH INSTALLING AND MAINTAINING THE TRAP.

3. IF THE PROPOSED EARTH EMBANKMENT EXCEEDS A HEIGHT OF 1m, THEN CLEAR, GRUB AND STRIP TOPSOIL FROM THE EMBANKMENT FOOTPRINT. APPROPRIATELY SCARIFY (ROUGHEN) THE EARTH AND/OR EXCAVATE A CUT-OFF TRENCH ALONG THE CENTRELINE OF THE EMBANKMENT.

4. ENSURE THE FILL MATERIAL CONTAINS SUFFICIENT MOISTURE SO IT CAN BE FORMED BY HAND INTO A BALL WITHOUT CRUMBLING. IF WATER CAN BE SQUEEZED OUT OF THE BALL, IT IS TOO WET FOR PROPER COMPACTION.

5. PLACE FILL MATERIAL IN 150 TO 250mm CONTINUOUS LAYERS OVER THE ENTIRE LENGTH OF THE FILL AREA AND THEN COMPACT IT. UNLESS OTHERWISE SPECIFIED ON THE APPROVED PLANS, COMPACT THE SOIL AT ABOUT 1-2% WET OF OPTIMUM AND TO 95% MODIFIED OR 100% STANDARD COMPACTION.

6. IF REQUIRED BY THE PLANS, INSTALL AN APPROPRIATE INLET BAFFLE.

7. INSTALL ALL APPROPRIATE MEASURES TO MINIMISE SAFETY RISK TO ON-SITE PERSONNEL AND THE PUBLIC CAUSED BY THE PRESENCE OF THE POND. AVOID THE USE OF STEEP, SMOOTH INTERNAL BANK SLOPES.

MAINTENANCE

1. INSPECT THE POND REGULARLY AND AT LEAST DAILY DURING DE-WATERING OPERATIONS. MAKE REPAIRS AS NEEDED TO THE POND, ITS OUTLET SYSTEM AND EMBANKMENTS.
2. CHECK THE EMBANKMENT FOR LEAKS, AND REPAIR AS NECESSARY.
3. CHECK THE EMBANKMENT FOR EXCESSIVE SETTLEMENT, SLUMPING OF THE SLOPES AND MAKE ALL NECESSARY REPAIRS.
4. CLEAN OUT ACCUMULATED SEDIMENT AS REQUIRED AND PLACE IN A SUITABLE DISPOSAL AREA.
5. DO NOT DISPOSE OF SEDIMENT IN A MANNER THAT WILL CREATE AN EROSION OR POLLUTION HAZARD.

REMOVAL

1. REMOVE ALL MATERIALS AND COLLECTED SEDIMENT AND DISPOSE OF IN A SUITABLE MANNER THAT WILL NOT CAUSE AN EROSION OR POLLUTION HAZARD.
2. REHABILITATE/REVEGETATE THE DISTURBED GROUND AS NECESSARY TO MINIMISE THE EROSION HAZARD.

Drawn:

GMW

Date:

Apr-10

Stilling Pond (De-watering)

STP-02