



CONSTRUCTION SEQUENCING AND SPECIFICATIONS

1. Stake out work zone.
2. Divert incoming stormwater runoff away from work zone and install silt fencing along southern limit of construction.
3. Topsoil and subsoil in areas on which fill is to be placed will be stripped (approximately 1-foot) to the virgin marl.
4. Berm shall be constructed of marl placed in 6 to 9 inch layers and shall be continuous over the entire length of the fill.
5. Compaction will be obtained by routing earthmoving equipment or compactor over the marl fill until compaction rate is equal or greater than 90% of the existing virgin marl.
6. The berm shall be continuous and smoothly graded.
7. The berm shall be constructed to an elevation at least 3 feet above the existing grade.
8. Establish vegetation on the berm immediately after construction, as follows:
 - a) Place a minimum of 6 inches of topsoil on the berm.
 - b) All areas to be seeded will be disked or otherwise loosened and raked to remove surface irregularities and any objectionable material.
 - c) Soil will be limed and fertilized at an appropriate rate based on the results of a soil fertility test.
 - d) Seed mixture and application rates will be similar to those previously approved for the existing mine. All affected land will be vegetated with a "conservation" seed mixture at a rate of 60 pounds per acre and tracked in with a bulldozer.
 - e) Berm will be mulched with small grain straw at a rate of 1.5 tons per acre or, alternatively, erosion control matting will be used to maintain moisture and reduce erosion.

	MARL BERM
--	------------------