

TECHNICAL MEMORANDUM

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To: Jeff Gaul

From: Jay Janney-Moore P.E.

Reviewed By: Keith Williams P.E.

Project: VLF2 Phase 3

Project No: 475.106.060

Subject: WHEX Clay Borrow

Date: January 25, 2023

Clearing and stripping of any borrow area is to be completed with all salvageable growth media stockpiled in areas designated by the **Owner**. Borrow area shall be developed with due consideration for drainage and runoff from the excavated surfaces to minimize erosion and ensure sediment control prior to release of any surface water or stormwater. Each borrow area shall be excavated in near-horizontal layers and in such a manner that water will not collect and pond except as approved by the **Owner**. Before being abandoned, the sides of any borrow areas outside the Work area shall be brought to stable slopes (not steeper than 3H:1V) with slope intersections rounded and contoured to provide a natural, neatly graded appearance.

Excavation methods, techniques and procedures shall be developed with consideration to the nature of the materials to be excavated and shall include all precautions that are necessary to preserve, in an undisturbed condition, all areas outside the lines and grades shown on the Figure or as required by the **Owner** and **Engineer**. Excavation, shaping, etc., shall be carried out by whatever method is considered most suitable, providing it is consistent with producing an acceptable results. Excavations shall be graded to provide drainage and prevent ponding. For excavations that cannot be graded to drain, the **Contractor** shall make provisions for the equipment and labor necessary to keep the excavations free of standing water.

No excavation beyond the lines and grades shown on the Figure 1 or as required by the **Owner** or **Engineer** shall be completed without the prior approval of the **Owner** and **Engineer**. If such additional excavation is done without prior approval and, in the opinion of the **Owner** and **Engineer**, requires backfilling to satisfactorily complete the Work, such backfilling shall be approved by the **Engineer** and shall be completed at the **Contractor's** cost. The **Contractor** shall protect and maintain all excavations until the adjacent placement or overlying placement of material has been completed.