

- GENERAL NOTES:**
- Limits of all Remediation Areas of Concern (RAC) areas shown on plans are approximate; actual limits will be determined in the field by actual subsurface conditions and as directed by the Environmental Professional.
 - RAC Excavation procedure will be as follows:
 - Layout of RACs will be performed by the Environmental Professional.
 - Excavate RACs to the limits shown on plans or as directed by Environmental Professional in discreet excavations identified in the RAP.
 - Environmental Professional will take confirmatory soil samples for laboratory analysis.
 - If laboratory samples indicate presence of contaminated material, perform additional excavation as directed by Environmental Professional.
 - Environmental Professional will take additional confirmatory samples for lab analysis.
 - Steps C-D are repeated until laboratory results indicate clean material limits.
 - Environmental Professional will install confirmatory sample location staking and provide field survey to record locations and elevations in excavation, place Fabric Warning Layer over contaminated soils prior to placement of clean previously excavated soil and/or imported backfill. Fabric Warning Layer is anticipated to be installed in RAC-1, RAC-2, RAC-4, and RAC-7.
 - Construction Manager will provide survey of finished remediation grading after installation of warning fabric and prior to installation of clean fill to insure that all remaining contaminated soils are covered by at least four (4) feet of clean soil. Any deficient areas as determined by surveyor will be re-excavated and brought into conformance with the remediation requirements at no additional cost to the Owner or Construction Manager.
 - Backfill excavation with clean imported backfill and/or geotechnically suitable previously excavated soil as indicated in the specifications and/or as directed by the Environmental Professional.
 - Construction Manager will provide survey of finished remediation grading to insure that all remaining contaminated soils are covered by at least four (4) feet of clean soil. Any deficient areas will be re-excavated and brought into conformance with the remediation requirements at no additional cost to the Owner or Construction Manager.
 - Contractor's schedule shall accommodate the procedure itemized above.
 - Stockpile Connecticut Regulated Waste for off-site disposal at an approved facility as indicated in the specifications.
 - Protect and safeguard excavations at all times by fencing, sloping and/or other means necessary to ensure compliance with OSHA regulations.
 - Contractor shall coordinate drawings with specifications and existing and proposed site conditions.
 - Bituminous pavement shall be removed and segregated from contaminated soil.
 - Concrete foundations shall be removed and segregated from contaminated soil.
 - Boulders shall be removed and segregated from contaminated soil. Remove soil residue from boulders and stockpile for sampling by the Environmental Professional. Pursuant to analytical results, boulders are expected to be suitable for recycling at an aggregate crushing facility.
 - Excavate and stockpile visually clean soils as directed. Stockpile and reuse/dispose as directed by the Environmental Professional.

SPECIFIC REMEDIATION AREA OF CONCERN (RAC) REMEDIATION PROCEDURES:

Initial removal of contaminated soils will be based on visual evidence of suspect fill material (ash/ slag). Extent of initial removal to be determined by Environmental Professional. Excavation depths given below are approximate, actual depths will be determined by field conditions.

- Strip topsoil (0-6" deep) from entire site. Stockpile and dispose of as a Connecticut Regulated Waste.
- RAC-1** Excavate approx. 4 feet deep in area shown and remove contaminated fill for disposal. Place warning fabric. Backfill with at least 4 feet of clean soil to match existing grade. Allow for placement of topsoil in 4-foot section.
 - RAC-2** Excavate approx. 4 feet deep in area shown and remove contaminated fill and boulders for disposal. Clean and segregate boulders for sampling and recycling. Backfill with at least 4 feet of clean soil to match existing grade. Allow for placement of topsoil in 4-foot section.
 - RAC-3** Suspected cinder track area. Do not strip topsoil. Excavate approx. 1 to 1.5 feet deep in area shown and remove contaminated fill for disposal. Allow for inspection and sampling of excavation. Backfill with clean soil as required to achieve subgrade in conformance with proposed grading plan (Sheet C-4).
 - RAC-4** Excavate approx. 4 feet deep in area shown and remove contaminated fill for disposal. Place warning fabric. Backfill with at least 4 feet of clean soil to match existing grade. Allow for placement of topsoil in 4-foot section.
 - RAC-5** Disregard RAC-5
 - RAC-6** Disregard RAC-6
 - RAC-7** Where cinder track is present, excavate approx. 1 to 1.5 feet and remove for disposal. After removal of topsoil and/or cinder track, strip approximately 2.5 feet of visually clean fill and stockpile for reuse. Excavate approx. 1 to 3 feet of visually contaminated fill from area in order to achieve remediation grade and insure sufficient space to place 4 feet of clean fill over contaminated areas. Place warning fabric layer. Backfill with at least 4 feet of clean soil to achieve subgrade in conformance with proposed grading plan (Sheet C-4). The Contractor shall determine the required remediation grade and actual excavation depths based on the proposed grading plan. (Sheet C-4)
 - RAC-8** Excavate approx. 1.5 feet deep in area shown and remove contaminated fill for disposal. Allow for inspection and sampling of excavation. Backfill with clean soil to achieve subgrade in conformance with proposed grading plan (Sheet C-4).
 - RAC-9** Suspected cinder track area. Excavate approx. 1 to 1.5 feet deep in area shown and remove contaminated fill for disposal. Allow for inspection and sampling of excavation. Backfill with clean soil as required to achieve subgrade in conformance with proposed grading plan (Sheet C-4).
 - RAC-10** Shallow contaminated soil area. Excavate approx. 1 to 1.5 feet deep in area shown and remove contaminated fill for disposal. Allow for inspection and sampling of excavation. Backfill with clean soil as required to achieve subgrade in conformance with proposed grading plan (Sheet C-4).
- Wall Area - Excavate to depth of 1 foot adjacent to granite block wall. Maintain a 1:1 slope away from the wall to meet the remediation grade as depicted on Figure ENV-2. Remove material for disposal, place warning fabric and backfill with clean soil as required to achieve conformance with proposed grading plan (Sheet C-4). Take special care to protect the structural integrity of the wall. Hand excavation and compaction of clean fill may be necessary.

DATE: 1/15/04	BOB
DRAWN BY: BOB	1" = 20'
SCALE: 1" = 20'	MMBK
REVIEWED BY: MMBK	PROJECT NO. FR4000 P2

NO.	DATE	DESCRIPTION

REMEDATION/SOIL CAP PLAN & DETAILS

STATE PROJECT NO. 095-0070N
PHASE 2 OF 4

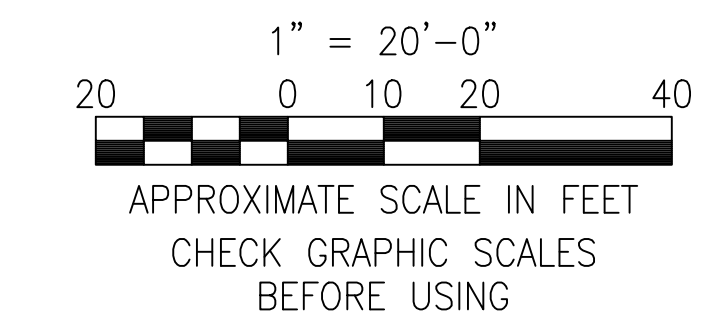
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ENGINEER'S SEAL

SHEET NO.
ENV-3



ENV-3 - 3/20/04 - 12:25:22 PM - ENG - RFP-003