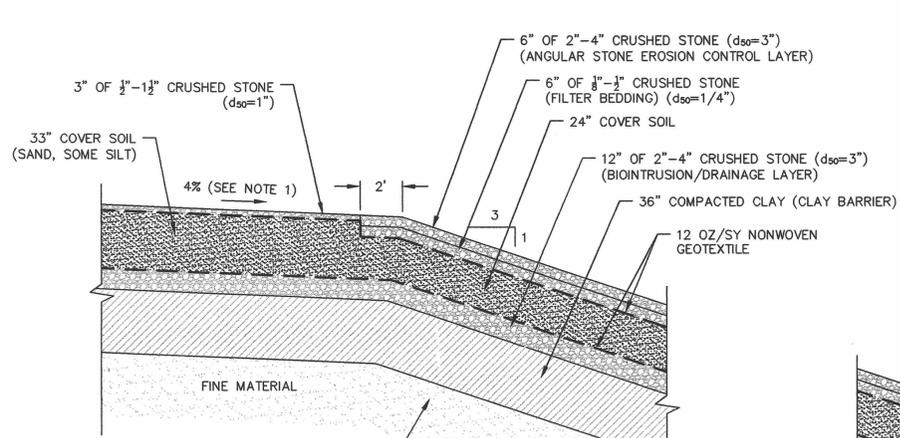
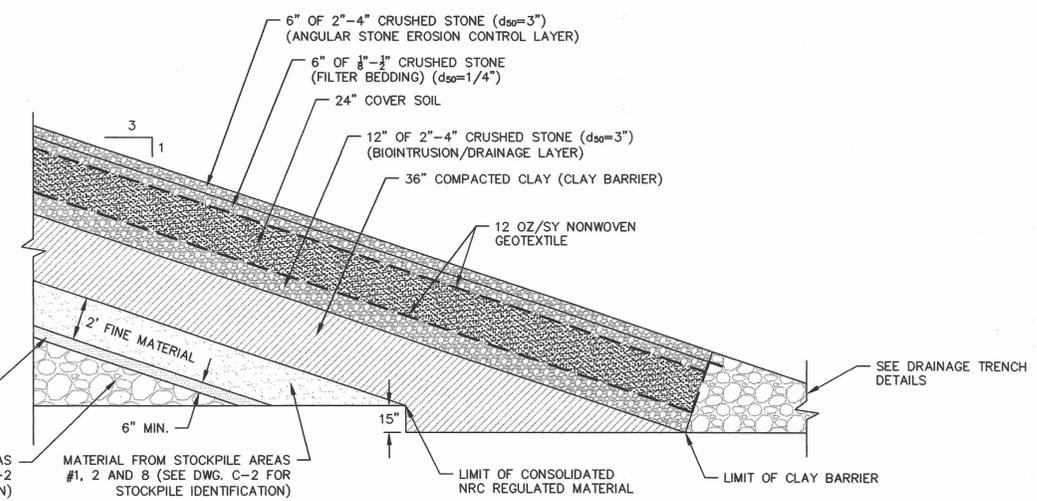


**TYPICAL ENGINEERED BARRIER
TOP PEAK DETAIL**
NTS

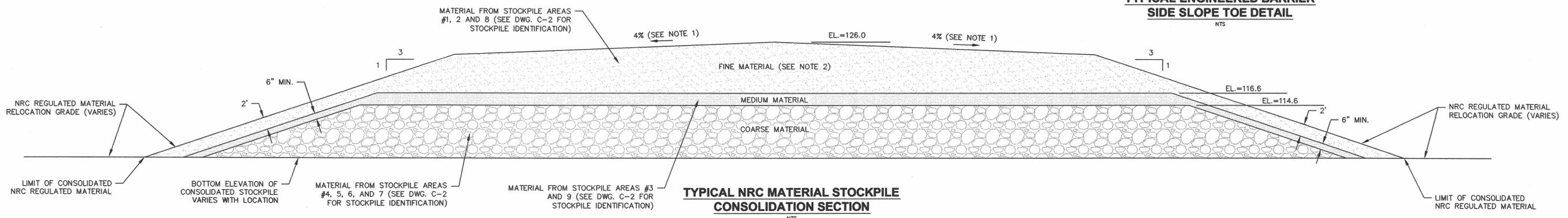


**TYPICAL ENGINEERED BARRIER
TOP SHOULDER DETAIL**
NTS

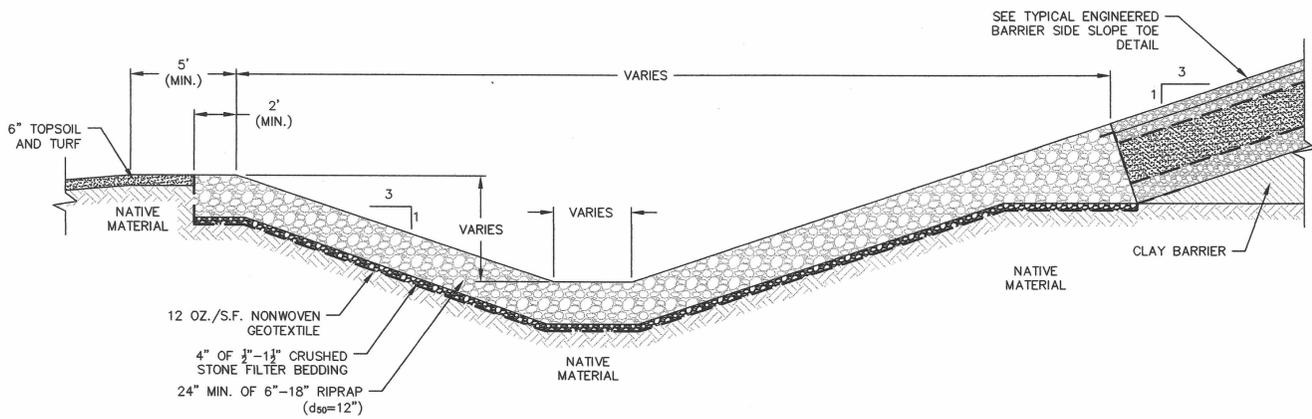


**TYPICAL ENGINEERED BARRIER
SIDE SLOPE TOE DETAIL**
NTS

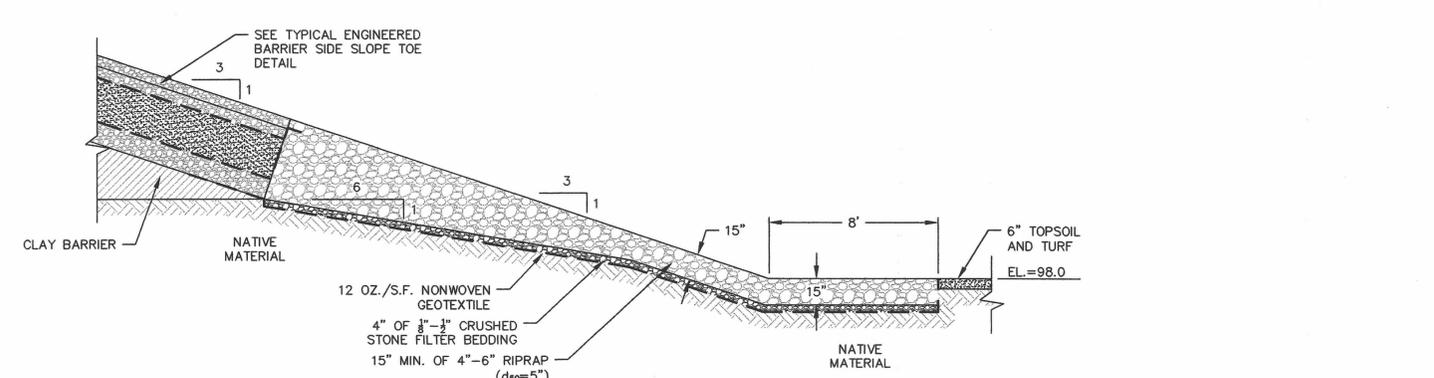
NOTE:
1) THE 4% TOP SLOPE EXISTS IN THE NORTH-SOUTH DIRECTION ACROSS THE ENGINEERED BARRIER. CROSS SECTIONS IN THE EAST-WEST DIRECTION ALONG THE LENGTH OF THE ENGINEERED BARRIER ARE IDENTICAL EXCEPT THE TOP SLOPE IS NOT 4% BUT RATHER 0% ALONG THE 133 FOOT CONTOUR ELEVATION.
2) PRIOR TO PLACING FINE MATERIAL, PLACE AND COMPACT 1/8"-1/2" CRUSHED STONE (d₅₀=1/4") UNTIL A CONTINUOUS SURFACE OF 1/8"-1/2" CRUSHED STONE EXISTS ABOVE THE MEDIUM SIZED MATERIAL.



**TYPICAL NRC MATERIAL STOCKPILE
CONSOLIDATION SECTION**
NTS



**TYPICAL ENGINEERED BARRIER
SIDE SLOPE TOE DRAINAGE
TRENCH DETAIL**
NTS



**TYPICAL ENGINEERED BARRIER
SIDE SLOPE TOE DRAINAGE
DETAIL (SOUTH SIDE)**
NTS

| NO. | REVISIONS | DATE | APPROVAL |
|---|--|--|----------|
| | | | |
| SHIELDALLOY METALLURGICAL CORPORATION NEWFIELD, NEW JERSEY DECOMMISSIONING PLAN FOR THE SMC FACILITY REV. 1B | | | |
| STORAGE YARD ENGINEERED BARRIER | | | |
| CONSTRUCTION DETAILS | | | |
| DATE: 08/13/09 CARL N. STOPPER PROFESSIONAL ENGINEER NJ PE #CE 37254 | DESIGN: SWL 8/13/09 DRAWN: KDH 8/13/09 CHECKED: CNS 8/13/09 SCALE: NTS PROJECT: 105106-000000-000100 DRAWING: | TRC 21 Griffin Road North Windsor, CT 06095 (860) 258-6922 | |

D-10