OFFICE OF ABANDONED MINE LANDS AND RECLAMATION
BARBOUR COUNTY, WEST VIRGINIA
LILBERN PRITT HIGHWALL
SITE 1 - SOIL NAIL/ROCK ANCHOR PLAN

ROCK ANCHOR/SOIL NAIL PANEL COORDINATES

SOIL NAIL/ROCK ANCHOR
SUPPORTED BLANKET TYPICAL SECTION
GENERAL CONSTRUCTION NOTES

2. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
3. ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR.
4. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
5. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
6. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE PROPERTY OWNER.
7. CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
8. CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
9. CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH LANDLORD AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
10. CONTRACTOR SHALL FURNISH THE WVDEP WITH AS-BUILT DRAWINGS UPON COMPLETION OF WORK.
11. PRIOR TO SUBMISSION OF BID AND START OF CONSTRUCTION IN ACCORDANCE WITH APPROVED PLANS, CONTRACTOR WILL COORDINATE WITH THE WVDEP PROJECT MANAGER TO DETERMINE WHAT PERMITS WERE OBTAINED BY THE WVDEP. ALL REQUIRED PERMITS NOT OBTAINED BY THE WVDEP MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR. AN APPROVED SET OF PLANS AND ALL APPLICABLE PERMITS MUST BE AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES.
12. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
13. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER CONTRACT.
14. CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 48 HOURS IN ADVANCE PRIOR TO CONSTRUCTION START FOR ENGINEERING REVIEW AND INSPECTION.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND PPM AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.

PRE-PROJECT NOTES

1. THE CONTRACTOR SHALL CONTACT THE LOCAL ONE CALL SYSTEM TO HAVE UTILITIES LOCATED AND MARKED PRIOR TO COMMENCING WITH CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY OPERATORS WHO MAINTAIN UNDERGROUND UTILITY LINES IN THE AREA OF PROPOSED EXCAVATION AT LEAST TWO WORKING DAYS, BUT NOT MORE THAN TEN WORKING DAYS, PRIOR TO COMMENCEMENT OF EXCAVATION.

VEGETATION Notes

MULCH SHALL BE USED AS NECESSARY FOR PROTECTION UNTIL VEGETATION IS ESTABLISHED. DISTURBED AREAS SHALL BE SEEDED OR SODDED WITHIN SEVEN (7) DAYS AFTER FINAL GRADING. VEGETATION OR OTHER PROTECTION IS ESTABLISHED.

SOIL EROSION AND SEDIMENT CONTROL PRACTICES INSTALLATION

ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT UPLAND EROSION CONTROL MEASURES ARE INSTALLATED.

SOIL NAIL/ROCK ANCHOR BLANKET NOTES

1. A DRAINAGE LAYER IN ACCORDANCE WITH DETAIL A-R1A ON SHEET R1A SHALL BE PROVIDED BEHIND SOIL NAIL/ROCK ANCHOR, SHOTCRETE BLANKET REGARDLESS OF FINAL DESIGN USED DURING CONSTRUCTION.
2. IF A PROPRIETARY DESIGN IS USED FOR THE CONSTRUCTION OF THE SOIL NAIL/ROCK ANCHOR, SHOTCRETE BLANKET, ALL INFORMATION REGARDING THE DESIGN, INCLUDING FINAL GLOBAL AND ETERNAL STABILITY, MUST BE SUBMITTED TO THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF ABANDONED MINE LANDES AND RECLAMATION.

POTENTIAL SOIL NAIL/ROCK ANCHOR CONTRACTORS

1. NICHOLSON CONSTRUCTION COMPANY:
   12 MOLINE STREET
   CODY, WY 82414
2. GEOSTABILIZATION INTERNATIONAL
   P.O. BOX 4709
   GRAND JUNCTION
   CO 81502
   PHONE: 970-247-7737
   TOLL-FREE: 800-456-8586
   TEL: 410-501-6000
   SUITE 300
   HANOVER, MD 21076
   TOLL-FREE: 800-456-8586  TEL: 410-501-6000
1. Prepare subgrade thoroughly and include any necessary preparation of land, pavement, and soil.
2. Prepare the subgrade by removing any existing vegetation and debris. The subgrade shall consist of at least 12 inches of compacted soil, with a minimum of 6 inches of base material.
3. Ensure that the subgrade is compacted to accommodate the desired slope and prevent any settling or movement.
4. Install a 12-inch "U" staple to secure the FLEX-A-MAT to the existing ground.
5. Ensure that the FLEX-A-MAT is not damaged or displaced during installation.
6. Ensure that the FLEX-A-MAT is properly aligned and secured to the existing ground.

CONSTRUCTION NOTES:
1. Prepare subgrade as detailed on the plans. All subgrade surfaces prepared for placement of mats shall be smooth and free of all rocks, sticks, roots, other protrusions, or debris of any kind. The prepared surface shall provide a firm unyielding foundation for the mats with no sharp or abrupt changes or breaks in the grade.
2. Silts checks shall be installed every 15 feet of channel. Silts checks consist of an 8 oz. silts check placed at the inlet of the channel. A special apparatus supplied by the manufacturer attaches to the excavator and uses the excavator to turn the channel. The silts check is then placed in the channel.
3. Apply seed directly to the prepared soil prior to FLEXAMAT installation. Use seed per project specifications.
4. Install FLEXAMAT standard. FLEXAMAT standard is FLEXAMAT with double netted straw blanket adhered to the back of the blocks. Installation will begin at the bottom of the channel. The rolls have straps internally rolled within them. These straps attach to the excavator to unroll the roll uphill. The next section of FLEXAMAT will overlap the previous section of FLEXAMAT by 4 feet. The top of the FLEXAMAT block overlapping the previous section. The initial leading edge of the mat will be at the bottom of the channel. The mats shall be installed at a minimum of 4 feet apart. The mats shall be installed in a crosshatch pattern to provide additional stability and support.
5. Install anchors in 2-foot increments through the overlap at the leading edge of each FLEXAMAT block. The anchors shall be installed using a special apparatus supplied by the manufacturer. The anchors shall be installed at a minimum of 4 feet apart. The anchors shall be installed in a crosshatch pattern to provide additional stability and support.