

# SOIL EROSION & SEDIMENT CONTROL PLAN NARRATIVE

## INTRODUCTION:

PURSUANT TO CONNECTICUT P.A. 83-388, A SOIL EROSION AND SEDIMENT CONTROL PLAN AND NARRATIVE IS REQUIRED FOR THIS PROJECT.

THIS NARRATIVE DESCRIBES MEASURES REQUIRED TO CONTROL SOIL EROSION DURING AND AFTER CONSTRUCTION OF THE PROPOSED SITE WORK SHOWN ON THIS PLAN. THE SOIL EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THIS PLAN ARE DESIGNED IN ACCORDANCE WITH A DOCUMENT ENTITLED "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL," PUBLISHED BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION IN COOPERATION WITH THE CT DEP.

THE GUIDELINES ARE OBTAINABLE FROM THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION, STATE OFFICE BUILDING, HARTFORD, CONNECTICUT 06106 AND SHOULD BE USED AS A REFERENCE IN CONSTRUCTING THE EROSION AND SEDIMENT CONTROLS INDICATED ON THESE PLANS.

## PROJECT DESCRIPTION:

THE APPLICANT PROPOSES TO EXCAVATE 170,000 CY OF EARTH PRODUCTS (MOSTLY CRUSHED STONE SINCE THERE IS VERY LITTLE SOIL OVER THE BEDROCK).

RUN OFF FROM THE EXCAVATED AREA WILL BE DIRECTED TO A SWALE LOCATED ALONG THE WEST EDGE OF THE EXISTING PLATEAU AT THE TOE OF THE SLOPE.

SEDIMENT AND EROSION CONTROL MEASURES WILL BE IMPLEMENTED AND WILL BE IN PLACE BEFORE CONSTRUCTION BEGINS. SEDIMENT AND EROSION MEASURES WILL BE MAINTAINED IN PROPER WORKING ORDER THROUGH COMPLETION OF CONSTRUCTION AND WILL REMAIN IN PLACE AND CONTINUE TO BE MAINTAINED AFTER CONSTRUCTION HAS BEEN COMPLETED, UNTIL ALL DISTURBED AREAS ARE STABILIZED.

## CONSTRUCTION SCHEDULE:

1. OBTAIN A COPY OF ALL PROJECT LAND-USE PERMITS. THE CONTRACTOR SHALL BE FAMILIAR WITH ALL PERMIT REQUIREMENTS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. MAINTAIN EXISTING JERSEY BARRIERS AND MULCH BERM ALONG EAST EDGE OF WORK AREA.
3. REMOVE TREES, BRUSH, AND STUMPS IN AREAS TO BE CLEARED AS REQUIRED.
4. STRIP TOPSOIL FROM WORK AREAS, STOCKPILE AND INSTALL SILT FENCE AT TOE OF PILE.
5. BLAST & PROCESS ROCK MATERIALS
6. MAINTAIN EROSION CONTROL MEASURES THROUGHOUT THE DURATION OF THE EXCAVATION.

## LAND DISTURBANCE:

THE FOLLOWING PROCEDURES SHALL BE USED FOR ALL LAND DISTURBING ACTIVITIES:

1. ALL AREAS SHALL REMAIN UNDISTURBED UNTIL IMMEDIATELY PRIOR TO PROPOSED CONSTRUCTION ACTIVITIES.
2. LAND CLEARING SHALL PROCEED AT THE SAME RATE AS CONSTRUCTION.
3. REMOVAL OF VEGETATION SHALL BE RESTRICTED TO THOSE AREAS NECESSARY FOR CURRENT CONSTRUCTION ACTIVITIES.
4. CONSTRUCTION EQUIPMENT AND MATERIALS SHALL BE CONFINED TO THE DISTURBED AREAS ONLY.
5. THE DEVELOPER SHALL BE RESPONSIBLE FOR THE CLEANING OF NEARBY STREETS, AS ORDERED BY THE TOWN OR STATE, OF ANY DEBRIS FROM HIS CONSTRUCTION ACTIVITIES.

## SOIL EROSION AND SEDIMENT CONTROL MEASURES:

ALL WATERCOURSES SHALL BE PROTECTED FROM SEDIMENTATION BOTH DURING AND AFTER CONSTRUCTION. THIS PROVISION APPLIES PARTICULARLY TO DEWATERING ACTIVITIES, STORAGE OF EXCAVATED OR STOCKPILED MATERIAL, AND TRENCH OR DITCH EXCAVATION. HAYBALES OR SYNTHETIC FILTER BARRIER FENCE, AS SPECIFIED, IS TO BE INSTALLED AT ALL LOCATIONS AS INDICATED ON THE PLANS TO INTERCEPT SILT AND SEDIMENT BEFORE IT REACHES THE DRAINAGE SYSTEM, WETLANDS, OR WATER COURSES. HAYBALES OR SILT FENCE SHALL BE STAKED AS SHOWN ON THE PLAN, AND ARE TO BE REPLACED AS NECESSARY TO PROVIDE PROPER FILTERING ACTION. DEPOSITS OF SEDIMENT AND SILT ARE TO BE PERIODICALLY REMOVED FROM THE UPSTREAM SIDE OF THE HAYBALES OR SILT FENCE. THIS MATERIAL IS TO BE SPREAD AND STABILIZED IN AREAS NOT SUBJECT TO EROSION, OR TO BE USED AS FILL IN AREAS WHICH ARE NOT TO BE PAVED OR BUILT UPON. HAYBALES AND SILT FENCES ARE TO REMAIN IN PLACE AND BE MAINTAINED TO INSURE EFFICIENT SILTATION CONTROL UNTIL ALL AREAS ABOVE THE FENCES ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED. DURING CONSTRUCTION, EXPOSE AS SMALL AN AREA AS POSSIBLE FOR AS SHORT A TIME AS POSSIBLE. DURING CONSTRUCTION, ANY ADDITIONAL SEDIMENT/EROSION CONTROL MEASURES DEEMED NECESSARY BY THE TOWN SHALL BE IMPLEMENTED BY THE DEVELOPER. IN ADDITION, THE DEVELOPER SHALL BE RESPONSIBLE FOR THE REPAIR, REPLACEMENT, AND MAINTENANCE OF ALL SEDIMENT/EROSION CONTROL MEASURES UNTIL ALL DISTURBED AREAS ARE STABILIZED TO THE SATISFACTION OF THE TOWN.

## STRIPPING AND STOCKPILING:

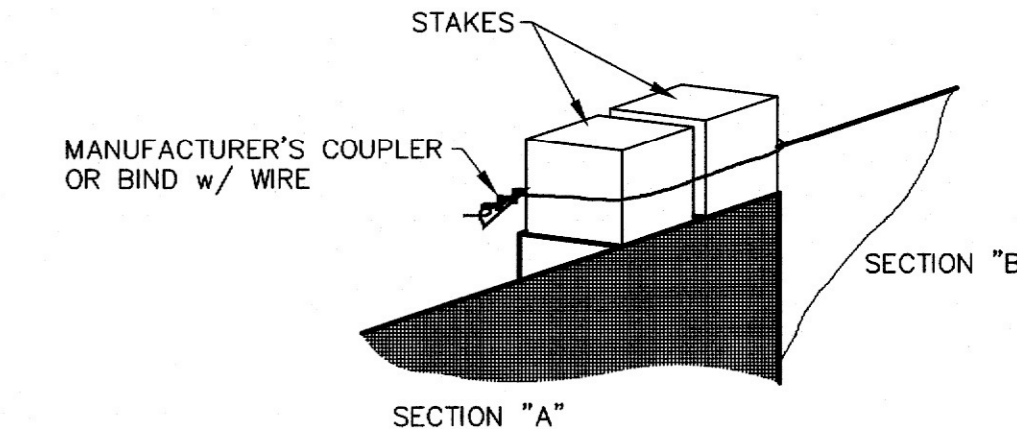
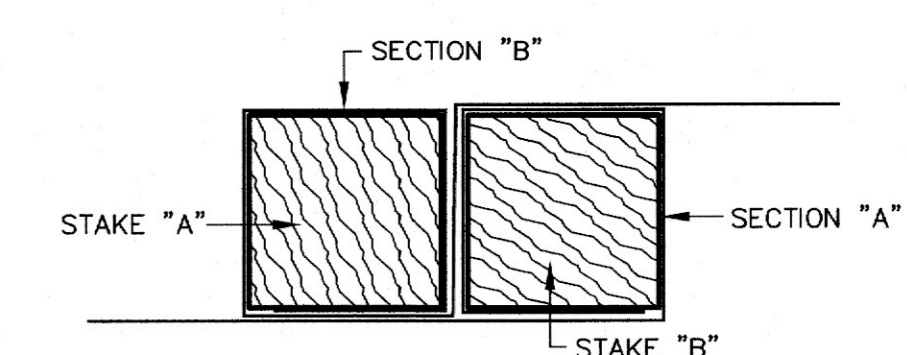
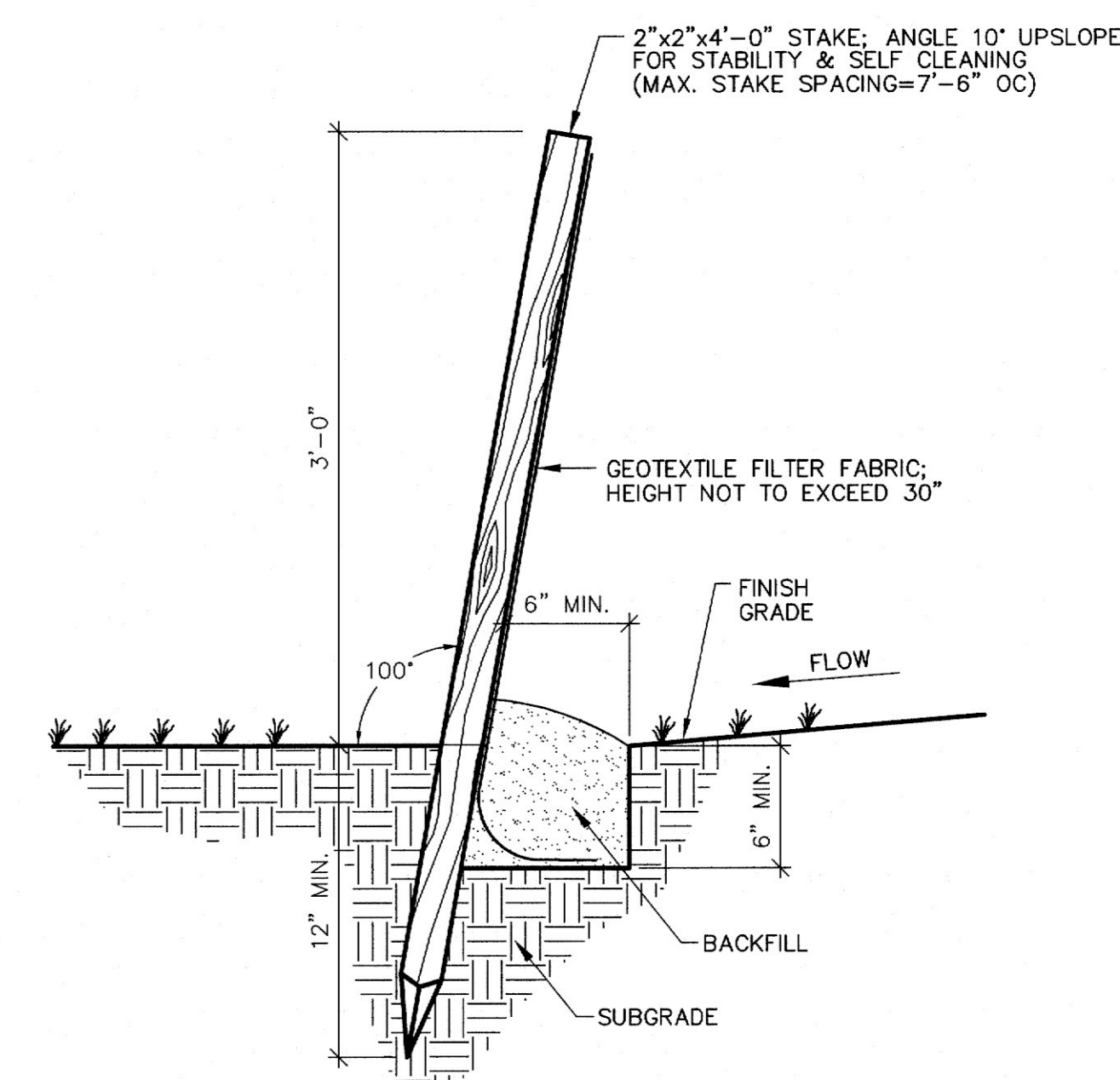
STOCKPILES THAT CONSIST OF ERODIBLE MATERIAL, SUCH AS STRIPPED TOPSOIL SHALL CONFORM TO THE FOLLOWING CRITERIA:

1. LOCATION-ALL STOCKPILES SHALL BE LOCATED WITHIN THE AREA OF THE PROPOSED DISTURBANCE AND AWAY FROM THE FOLLOWING:
  - WETLANDS
  - WATER CONVEYANCE CHANNELS
  - STORM DRAINAGE SYSTEM INLETS
  - TOP OF STEEP SLOPES
2. SEDIMENT CONTROL-ALL STOCKPILES SHALL BE SURROUNDED BY SEDIMENT BARRIERS, EITHER GEOTEXTILE SILT FENCE OR HAY BALE BARRIERS, PLACED APPROXIMATELY TEN FEET (10') FROM THE TOE OF SLOPE. THE SIDE SLOPES OF ERODIBLE STOCKPILED MATERIAL SHOULD BE NO STEEPER THAN 2:1. STOCKPILED MATERIAL NOT TO BE USED WITHIN THIRTY DAYS SHALL BE SEEDED AND MULCHED IMMEDIATELY AFTER FORMATION OF THE STOCKPILE.

DISPOSAL OF TREES AND BRUSH:  
ALL VEGETATION REQUIRING REMOVAL FOR CONSTRUCTION OF THE PROJECT SHALL BE DISPOSED OF OFF-SITE. NO TREES, BRUSH, OR STUMPS SHALL BE BURIED OR OTHERWISE DISPOSED OF ON-SITE.

## TRENCH EXCAVATION AND BACKFILL:

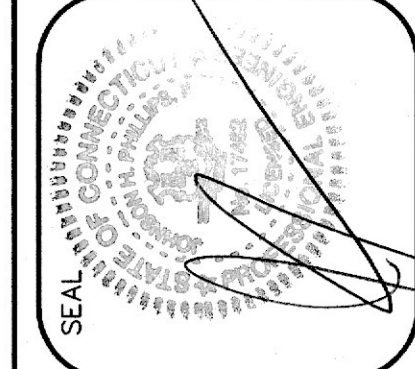
CARE SHALL BE TAKEN TO EXCAVATE TO THE CORRECT LINE AND GRADE AND WIDTH AT ALL POINTS. THE METHODS AND EQUIPMENT USED FOR EXCAVATION MUST BE ADAPTED TO THE CONDITIONS AT THE SITE AND THE DIMENSIONS OF THE REQUIRED TRENCH. THE WIDTH OF THE GROUND OR STREET SURFACE, CUT OR DISTURBED, SHALL BE KEPT AS SMALL AS PRACTICABLE TO ACCOMMODATE THE WORK. TRENCH EXCAVATION, BELOW THE TWO FOOT DEPTH WHICH IS TO BE STRIPPED AND STORED SEPARATELY, SHALL BE STOCKPILED AND USED AS THE TRENCH BACKFILL MATERIAL. UNLESS THE ENGINEER DECLARES IT UNSUITABLE FOR BACKFILL MATERIAL. EXCESS EXCAVATED MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR.



SECTION "A"  
SECTION "B"  
COUPLING OF ADJACENT SECTIONS  
**SILTATION CONTROL FENCE**

N.T.S.

**Borghesi**  
Building & Engineering Co., Inc.



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