

# SOIL EROSION & SEDIMENT CONTROL PLAN NARRATIVE

**INTRODUCTION:**  
PURSUANT TO CONNECTICUT P.A. 83-288, 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 TO PREVENT OR MINIMIZE SOIL EROSION AND SEDIMENTATION. THE SOIL EROSION AND SEDIMENT CONTROL MEASURES PUBLISHED BY THE CONNECTICUT DEPARTMENT OF CONSTRUCTION FOR SOIL AND WATER CONSERVATION IN COOPERATION WITH THE CT DEP.  
THE GUIDELINES ARE OBTAINABLE FROM THE CONNECTICUT DEPT. ON SOIL AND WATER CONSERVATION, 1000 STATE STREET, SUITE 300, HARTFORD, CONNECTICUT 06103. THIS PLAN BE USED AS A REFERENCE IN CONSTRUCTING THE EROSION AND SEDIMENT CONTROLS INDICATED ON THESE PLANS.

**PROJECT DESCRIPTION:**  
THE APPLICANT PROPOSES TO CONSTRUCT A 7,200 (+) SQUARE FOOT BUILDING WITH APPURTENANT PARKING. THE BUILDING WILL BE SERVED BY PUBLIC SEWER AND WATER. THE SITE IS LOCATED AT 341 PINEWOODS ROAD IN TORRINGTON, CT.  
RUN OFF FROM THE DEVELOPED SITE WILL BE COLLECTED IN CATCH BASINS AND PIPED TO AN ON-SITE DETENTION BASIN WHICH WILL OUTLET INTO AN EXISTING SWALE. RIRAP WILL BE INSTALLED AT ALL PIPE OUTLETS TO MINIMIZE SOIL EROSION.  
ANTICIPATED START OF CONSTRUCTION IS SUMMER OF 2021. SEDIMENT AND EROSION CONTROL MEASURES WILL BE IMPLEMENTED AND WILL BE IN PLACE WORKING ORDERED 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:**
- OBTAIN A COPY OF ALL PROJECT LAND-USE PERMITS. THE CONTRACTOR SHALL BE FAMILIAR WITH ALL PERMIT REQUIREMENTS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
  - INSTALL SILTATION CONTROL, FENCES AND FILTER FABRIC SILT BARRIERS AT EXISTING CATCH BASINS.
  - INSTALL CONSTRUCTION ENTRANCE.
  - REMOVE TREES, BRUSH, AND STUMPS IN AREAS TO BE CLEARED AS REQUIRED.
  - STRIP TOPSOIL FROM WORK AREAS, STOCKPILE AND INSTALL SILT FENCE AT TOE OF SLOPE.
  - ROUGH GRADE DETENTION BASIN.
  - ROUGH GRADE SITE BEGON CONSTRUCTION OF BUILDING.
  - INSTALL UTILITIES AND FILTER FABRIC SILT BARRIERS AT NEW CATCH BASINS.
  - BACKFILL FOUNDATION.
  - ROUGH GRADE NEW PARKING AREAS, INSTALL AND GRADE PAVEMENT BASE AND CURBS.
  - PAVE PARKING AREAS AND INSTALL WALKS.
  - GRADE, STABILIZE AND SEED ALL DISTURBED AREAS.
  - MAINTAIN ALL EROSION CONTROL MEASURES UNTIL A DURABLE GRASS STAND IS ESTABLISHED IN ALL NON-PAVED AREAS.

- LAND DISTURBANCE:**
- THE FOLLOWING PROCEDURES SHALL BE USED FOR ALL LAND DISTURBING ACTIVITIES:
- ALL AREAS SHALL REMAIN UNDISTURBED UNTIL IMMEDIATELY PRIOR TO PROPOSED CONSTRUCTION ACTIVITIES. THE SAME RATE AS CONSTRUCTION.
  - LAND CLEARING SHALL PROCEED IN SEQUENTIAL PHASES.
  - NECESSARY FOR CURRENT CONSTRUCTION ACTIVITIES.
  - DISTURBED AREAS SHALL BE LIMITED TO A MAXIMUM OF 20 FEET BEYOND SEPTIC SYSTEMS, AND AREAS TO BE GRADED.
  - CONSTRUCTION EQUIPMENT AND MATERIALS SHALL BE CONFINED TO THE DISTURBED AREAS ONLY.
  - THE DEVELOPER SHALL BE RESPONSIBLE FOR THE CLEANING OF NEARBY STREETS, AS ORDERED BY THE TOWN OR STATE, OF ANY DEBRIS FROM HIS CONSTRUCTION.
  - THE USE, STORAGE, OR DISPOSAL OF ANY MATERIAL NOT IN ACCORDANCE WITH WHAT IS SHOWN ON THE APPROVED PLAN OR REQUIRED BY THE REGULATORY AGENCY MAY RESULT IN THE IMMEDIATE REVOCATION OF ANY PERMIT/APPROVAL GRANTED BY THE COMMISSION.

**GENERAL NOTES:**  
WHENEVER CONSTRUCTION SHALL TAKE PLACE IN AREAS DESIGNATED AS WETLANDS OR AS AREAS TO BE ECOLOGICALLY PROTECTED, THE CONTRACTOR SHALL TAKE SPECIAL CARE WITH HIS CONSTRUCTION METHODS AND SHALL COMPLY WITH THE FOLLOWING REGULATIONS:  
THE DIVISION OF WATERCOURSES SHALL BE CONDUCTED IN SUCH A MANNER AS TO PREVENT INJURY TO PERSONS OR PUBLIC HEALTH AND TO PREVENT FLOODING. ALL EXISTING VEGETATION SHALL BE PROTECTED, AND ONLY THAT CLEARING AND CUTTING WHICH IS ABSOLUTELY NECESSARY FOR THE PROPOSED CONSTRUCTION OR TO PRESERVE ALL SPECIMEN TREES, THOSE TREES IDENTIFIED TO BE SAVED SHALL BE PROTECTED FROM DAMAGE BY CONSTRUCTION EQUIPMENT BY SUITABLE MEANS. ALL REGULATED AREAS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND EXCESS EXCAVATED MATERIAL, INCLUDING THAT RESULTING FROM CLEARING AND GRUBBING, SHALL NOT BE DEPOSITED WITHIN THE REGULATED AREA.  
WORK WITHIN REGULATED AREAS:  
IF WORK IS REQUIRED WITHIN A REGULATED WETLAND, WATER COURSE, OR ADJACENT AREA, SITE DISTURBANCE SHALL BE LIMITED TO THE AREA ABSOLUTELY NECESSARY FOR CONSTRUCTION. DISTURBED AREAS SHALL BE RESTORED AS CLOSELY AS POSSIBLE TO THEIR ORIGINAL NATURAL STATE. THE DEVELOPER SHALL OBTAIN THE NECESSARY PERMITS FROM THE TOWN WETLANDS COMMISSION, STATE OF CONNECTICUT, AND THE FEDERAL AGENCY RESPONSIBLE FOR THE PROTECTION OF WETLANDS AND CONDITIONS FOR CONSTRUCTION WITHIN THESE REGULATED AREAS. THE CONTRACTOR SHALL BE REQUIRED TO STRICTLY ADHERE TO ALL REQUIREMENTS AND RESTRICTIONS IMPOSED BY THE WETLANDS PERMIT.

**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 RENEW OR OTHER EXCAVATION. A SEDIMENT 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 FENCING ACTION. DEBRIS OF SEDIMENT AND SILT ARE TO BE PERIODICALLY REMOVED FROM THE SURFACE OF THE BARRIER. HAYBALES OR SILT FENCES ARE TO BE USED AS FILL IN AREAS WHICH ARE NOT TO BE PAVED OR BUILT UPON, INSURE EFFICIENT SILTATION CONTROL UNTIL ALL AREAS ABOVE THE FENCES ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED.  
THE 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:**

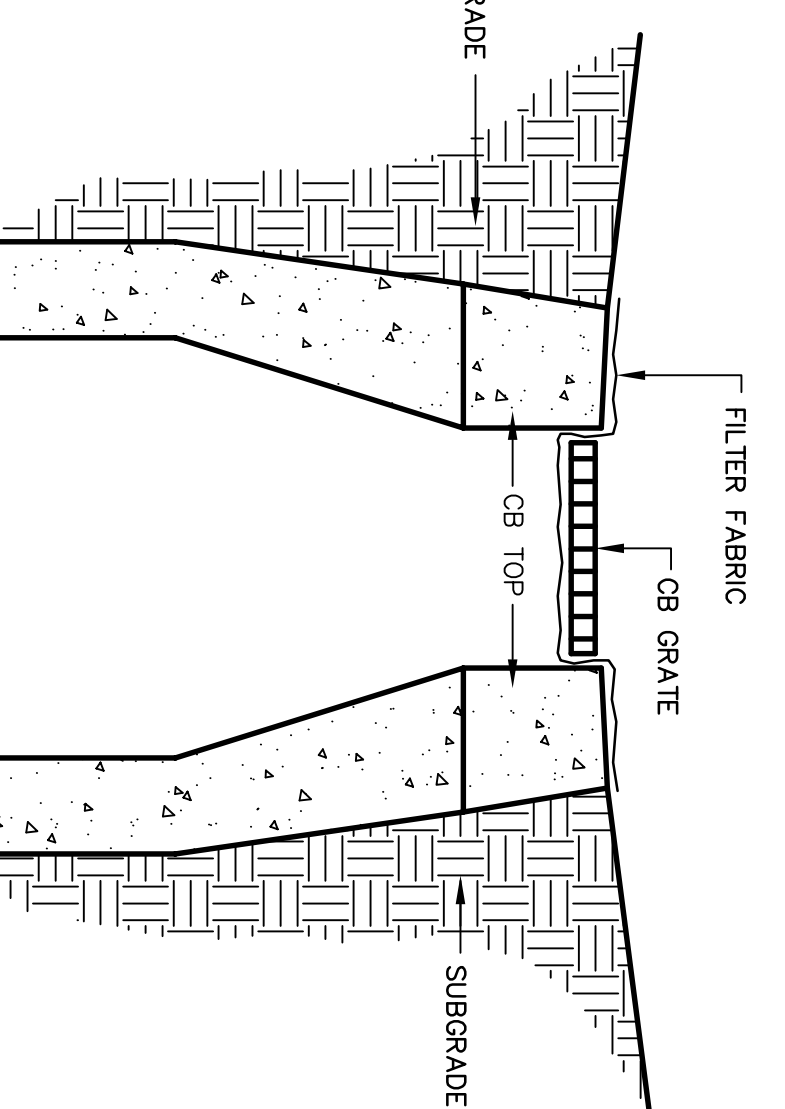
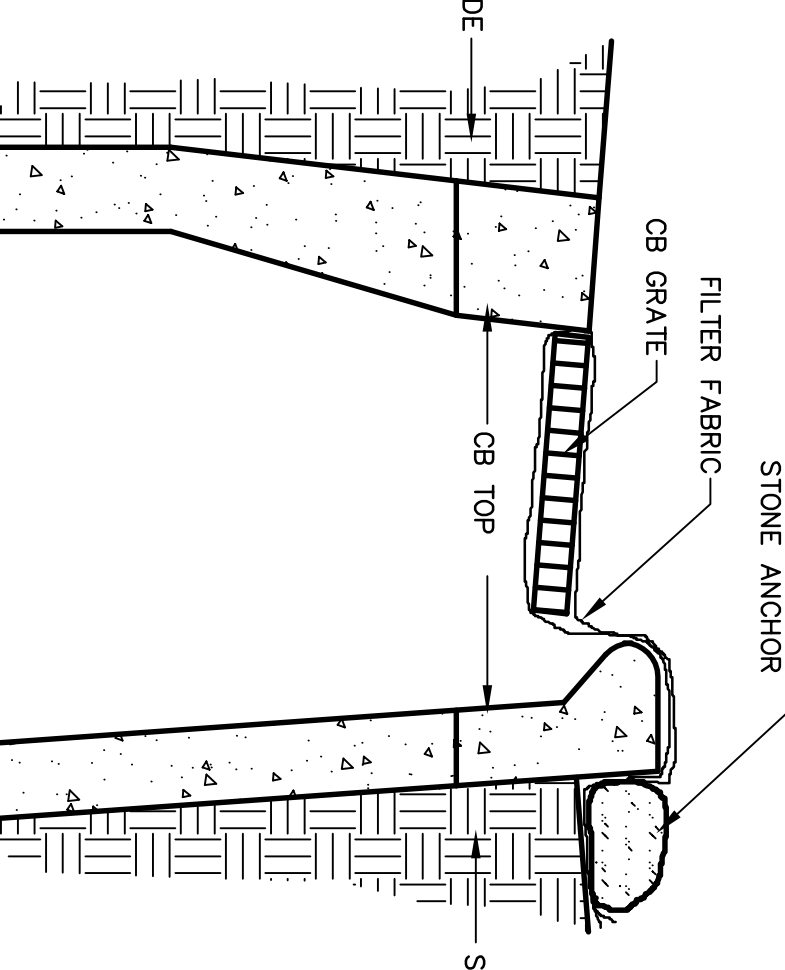
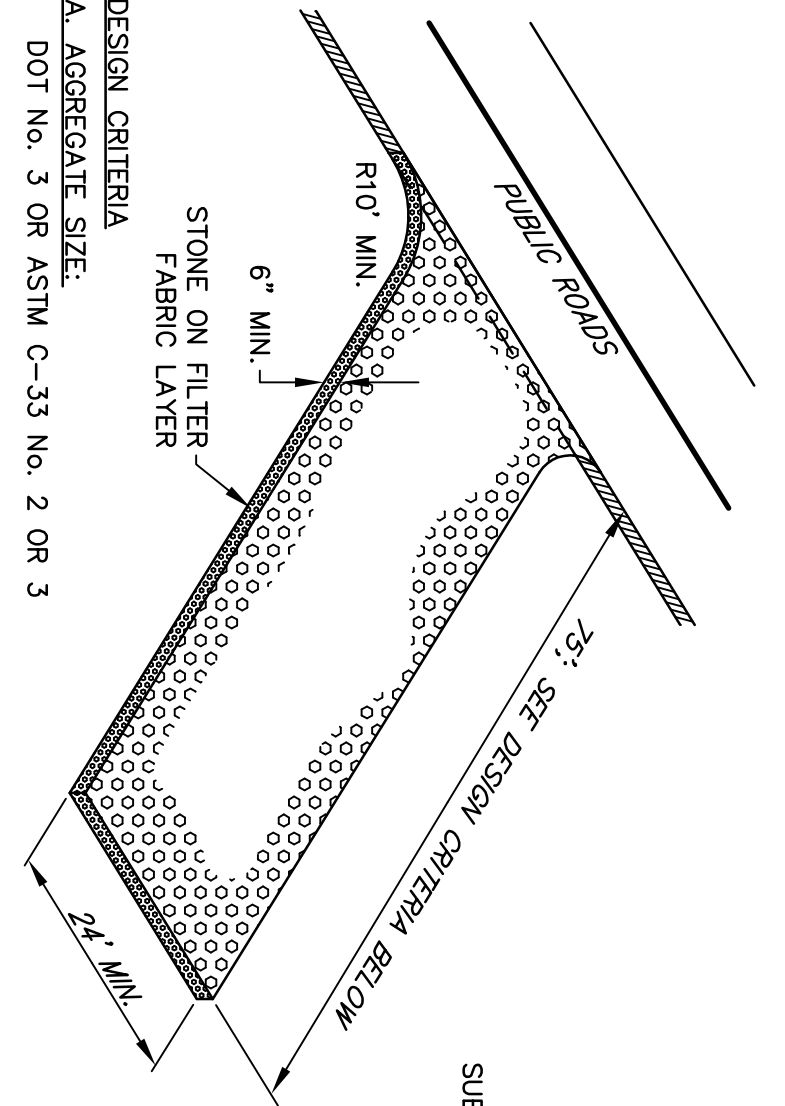
STOCKPILES THAT CONSIST OF ERODIBLE MATERIAL, SUCH AS STRIPPED TOPSOIL, ROAD FILL, SOILS EXCAVATED FROM ROAD CUTS AND FOUNDATION HOLES, ETC., SHALL BE STORED IN THE FOLLOWING MANNER:  
1. THE STOCKPILE SHALL BE LOCATED IN AN AREA OF MINOR TO NO DISTURBANCE AND AWAY FROM THE FOLLOWING:  
-WETLANDS  
-WATER CONVEYANCE CHANNELS  
-SEWER DRAINAGE SYSTEM INLETS  
2. TOP OF STEEP SLOPES STOCKPILES SHALL BE SURROUNDED BY SEDIMENT BARRIERS. OTHER GEOTECHNICAL 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.

THE ENTIRE PROJECT SITE, EXCEPT OPERATIONS, SHALL BE STRIPPED AND STOCKPILED SEPARATELY FROM ALL OTHER MATERIALS DURING EXCAVATION. IN AREAS DESIGNATED AS INLAND WETLANDS, THE UPPER STRATA, TO A DEPTH OF 2 FEET, SHALL BE STRIPPED AND STORED SEPARATELY DURING BACKFILLING. THESE MATERIALS SHALL BE REUSED IN THE BACKFILLED EXCAVATION SHALL BE PROPERLY FIELDED AND RESEDED IF NECESSARY.

**RIRAP:** IF SPECIFIED, IS TO BE INSTALLED FOR ENERGY DISSIPATION AND TO CONTROL WORKING. THE RIRAP IS TO BE INSTALLED BEFORE THE OUTLET STRUCTURES ARE WORKING, AND ALL ADJACENT AREAS ARE TO BE IMMEDIATELY SEEDDED. IF IN SEASON, OR THE SOILS TO BE STABILIZED BY OTHER METHODS, THIS MAY REQUIRE SODDING. RIRAP SHALL BE INSPECTED PERIODICALLY TO DETERMINE IF HIGH FLOWS HAVE CAUSED FILTER BLANKET MATERIALS. REPAIR IMMEDIATELY UPON OBSERVED FAILURE.  
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 MOST AT ALL POINTS. THE METHODS AND EQUIPMENT USED FOR EXCAVATION OF TRENCHES SHALL BE ADAPTED TO THE CONDITIONS AT THE SITE AND THE DIMENSIONS OF THE DISTURBED AREAS. THE WIDTH OF THE TRENCH OR STREET SURFACE, OR OTHER DISTURBED AREAS, 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. EXCESS EXCAVATED MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR.  
ESTABLISH VEGETATION COVER ON DISTURBED AREAS:  
1. SCARIFY SURFACE OF ALL AREAS TO BE TOPSOILED; PLACE A MINIMUM OF 4" TOPSOIL ON ALL AREAS TO BE SEEDDED.  
2. FERTILIZE AT THE FOLLOWING RATES:  
o) FOR SPRING SEEDING, APPLY 19-19-19 FERTILIZER AT A RATE OF 10 LB.S/1000 SF AND WORK INTO SOIL SIX TO EIGHT WEEKS LATER.  
o) FOR FALL SEEDING, APPLY 19-19-19 FERTILIZER AT A RATE OF 10 LB.S/1000 SF AND WORK INTO SOIL.  
3. SMOOTH AND FIRM SEEDBED; APPLY SEED AT THE RATE(S) SPECIFIED BELOW.  
COVER SEED WITH NOT MORE THAN 1/4" OF SOIL.  
SEED MIXTURE PER THE FOLLOWING:

- 30% CREEPING RED FESCUE
  - 35% SHAMROCK KENTUCKY BLUEGRASS
  - 35% ALL-SPOON PERENNIAL RYE
  - APPLICTION RATE: 2 LB.S/1000 SF
4. MUCH IMMEDIATELY WITH HAY FREE FROM WEED SEEDS AT A RATE OF 3 BALES/1000 SF.



**NOTE:**  
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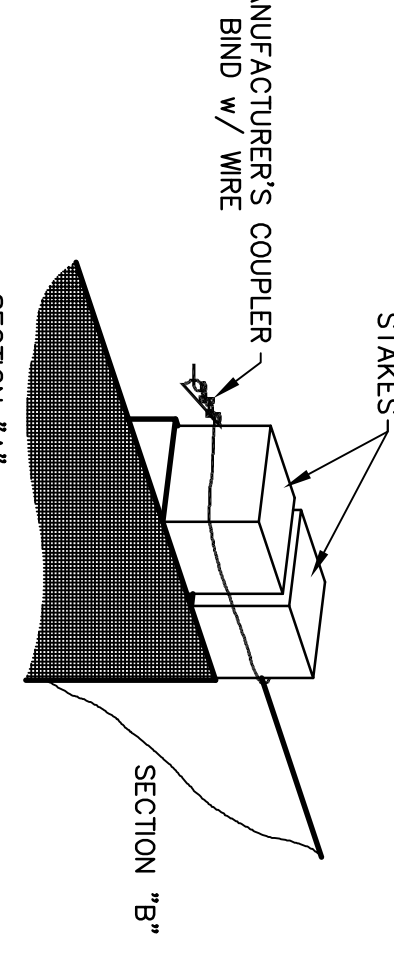
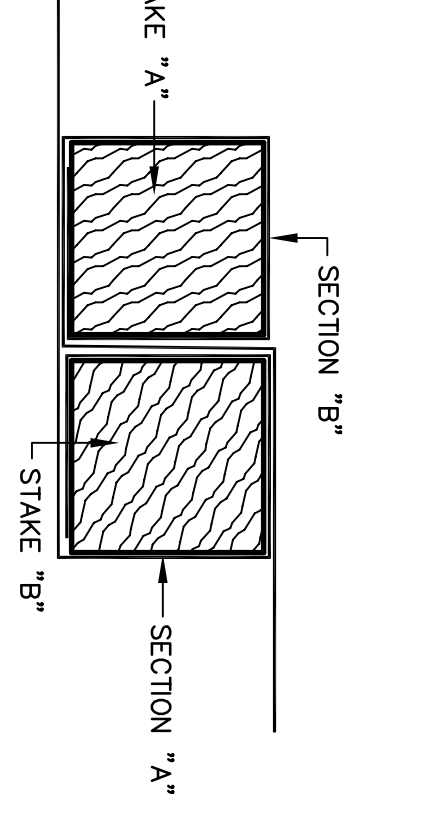
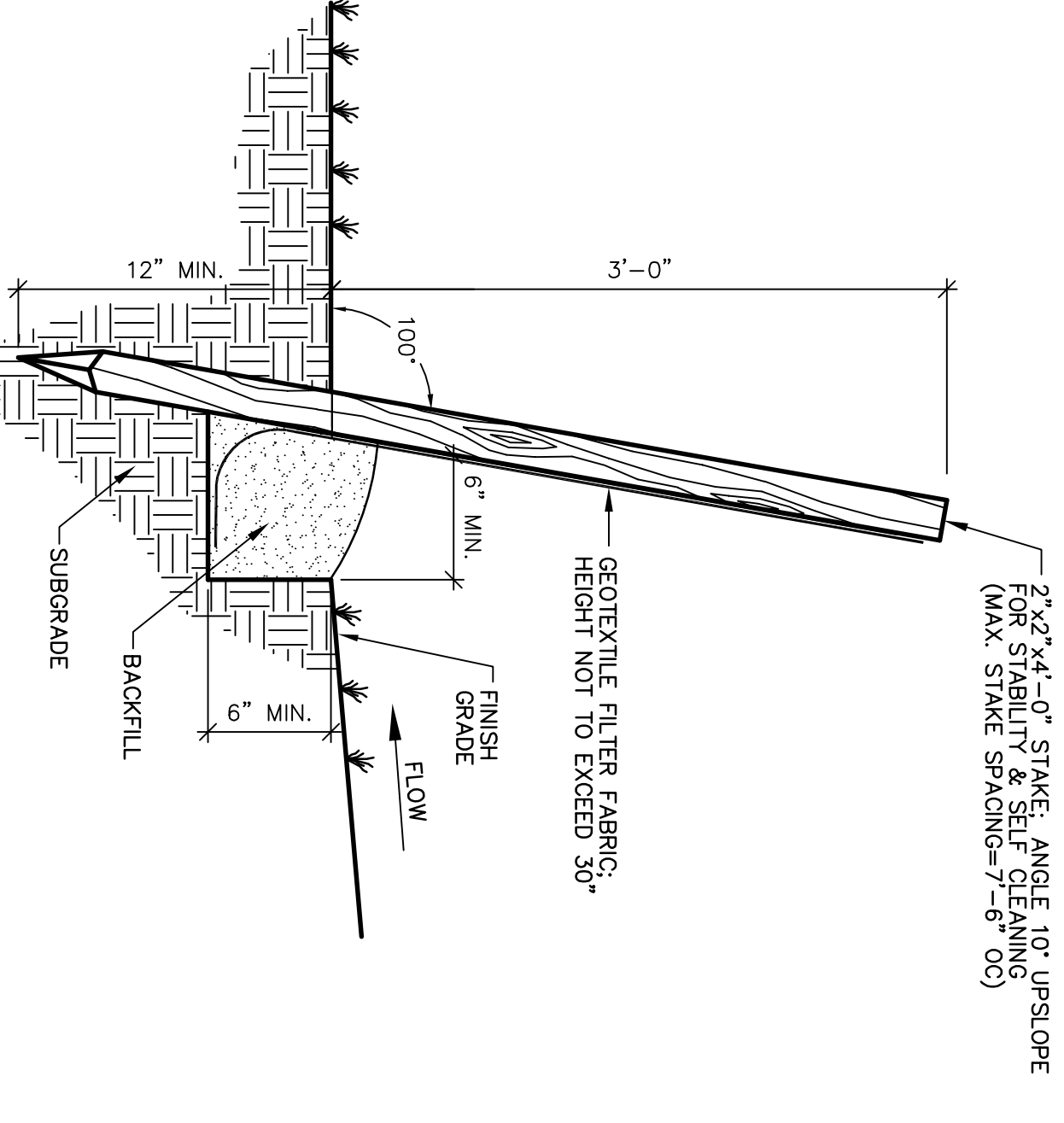
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## CONSTRUCTION ENTRANCE

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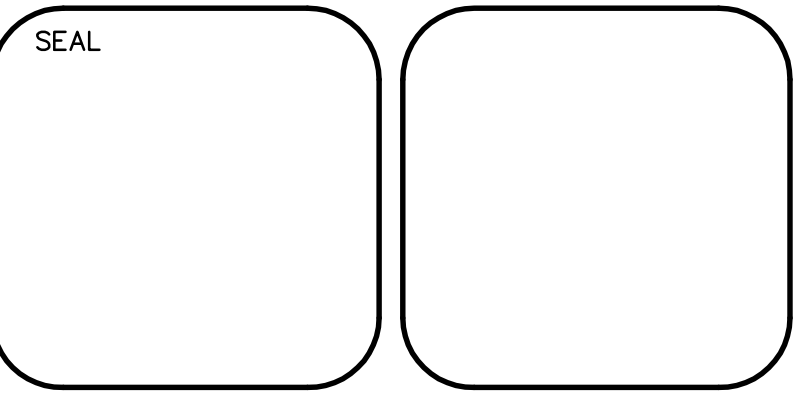
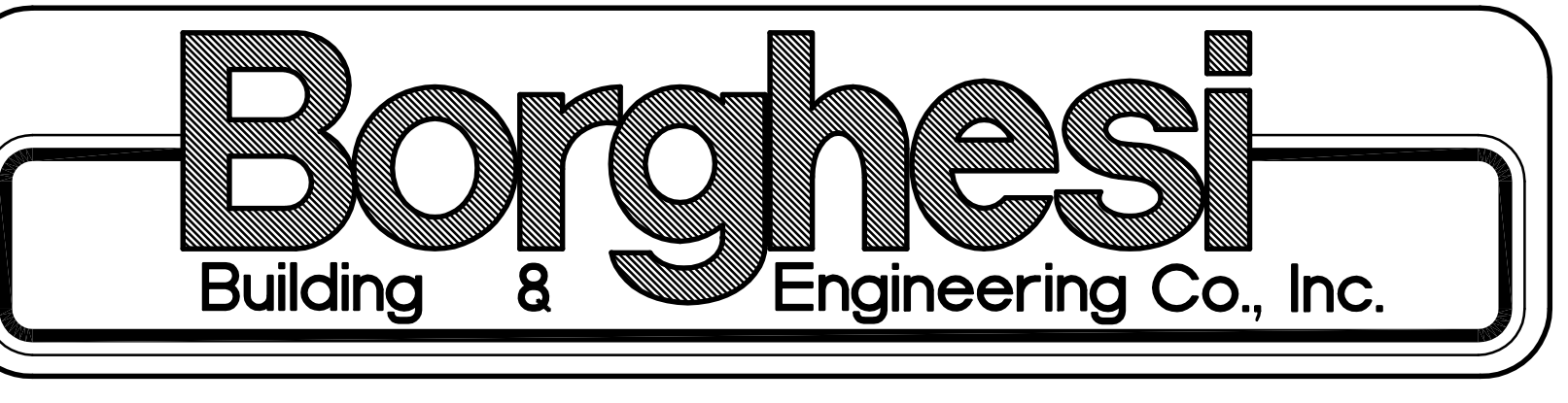
## FILTER FABRIC SILT BARRIER AT CATCH BASIN

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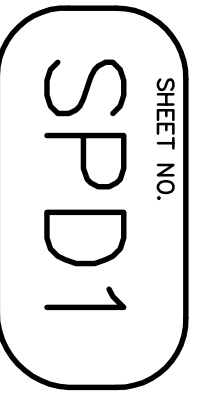
## SILTATION CONTROL FENCE

N.T.S.



REVISIONS	
SEAL	

PROJECT		TORRINGTON FARMS SERVICE CENTER	
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DRAWN BY	G.R.W.	APPROVED BY	A.R.B.
DATE	05-04-21	SCALE	AS NOTED
2155 EAST MAIN STREET TORRINGTON, CT 06790 860-482-7613/WEB: WWW.BORGHESIBUILDING.COM			



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