

# 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 EROSION AND SEDIMENT FROM ENTERING ADJACENT WETLANDS, STREAMS AND WATER CONSERVATION SYSTEMS. THESE MEASURES SHALL BE DESIGNED TO PREVENT EROSION AND WATER CONSERVATION IN COOPERATION WITH THE CT DEP.  
THE GUIDELINES ARE OBTAINABLE FROM CONNECTICUT'S DEPARTMENT OF ENERGY AND ENVIRONMENTAL SERVICES. THE FOLLOWING GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE USED AS A REFERENCE IN CONSTRUCTING THE EROSION AND SEDIMENT CONTROLS INDICATED ON THESE PLANS.

**PROJECT DESCRIPTION:**  
THE APPLICANT PROPOSES TO CONSTRUCT A 3,360(SQ.) SQUARE FOOT ADDITION WITH APPLICANT PARKING, THE BUILDING WILL BE SERVED BY PUBLIC SEWER AND WATER. THE SITE IS LOCATED AT 37 TECHNOLOGY PARK DRIVE IN TORRINGTON, CT.  
RUN OFF FROM THE DEVELOPED SITE WILL BE COLLECTED IN EXISTING CATCH BASINS AND Piped TO AN EXISTING STORM SEWER SYSTEM, WHICH OUTLETS INTO AN EXISTING DETENTION BASIN AND WETLANDS. NO NEW DRAINAGE STRUCTURES WILL BE REQUIRED.  
ANTICIPATED START OF CONSTRUCTION IS SPRING OF 2022. SEDIMENT AND EROSION CONTROL MEASURES WILL BE IMPLEMENTED AND WILL BEGIN PROPER WORKING ORDER 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. INSTALL SILTATION CONTROL, FENCES AND FILTER FABRIC SILT BARRIERS AT EXISTING CATCH BASINS.
  3. REMOVE TREES, BRUSH, AND STUMPS IN AREAS TO BE CLEARED AS REQUIRED.
  5. STRIP TOPSOIL FROM WORK AREAS, STOCKPILE AND INSTALL SILT FENCE AT TOE OF PILE.
  6. ROUGH GRADE SITE, BEGIN CONSTRUCTION OF BUILDING.
  7. BACKFILL FOUNDATION.
  8. ROUGH GRADE NEW PARKING AREAS, INSTALL AND GRADE PAVEMENT BASE AND CURBS.
  9. PAVE PARKING AREAS AND INSTALL WALKS.
  10. GRADE, STABILIZE AND SEED ALL DISTURBED AREAS.
  11. 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:
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. DISTURBED AREAS SHALL BE LIMITED TO A MAXIMUM OF 20 FEET BEYOND THE PHYSICAL DIMENSIONS OF THE ROADS, DRIVEWAYS, UTILITY TRENCHES, SEPTIC SYSTEMS, AND AREAS TO BE GRADED.
  5. DISTURBED AREAS ONLY, ALL REQUIREMENTS SHALL BE CONFINED TO THE AREAS AS ORDERED BY THE TOWN OR STATE, OF ANY DEBRIS FROM HIS CONSTRUCTION ACTIVITIES.
  6. 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.
  7. 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.

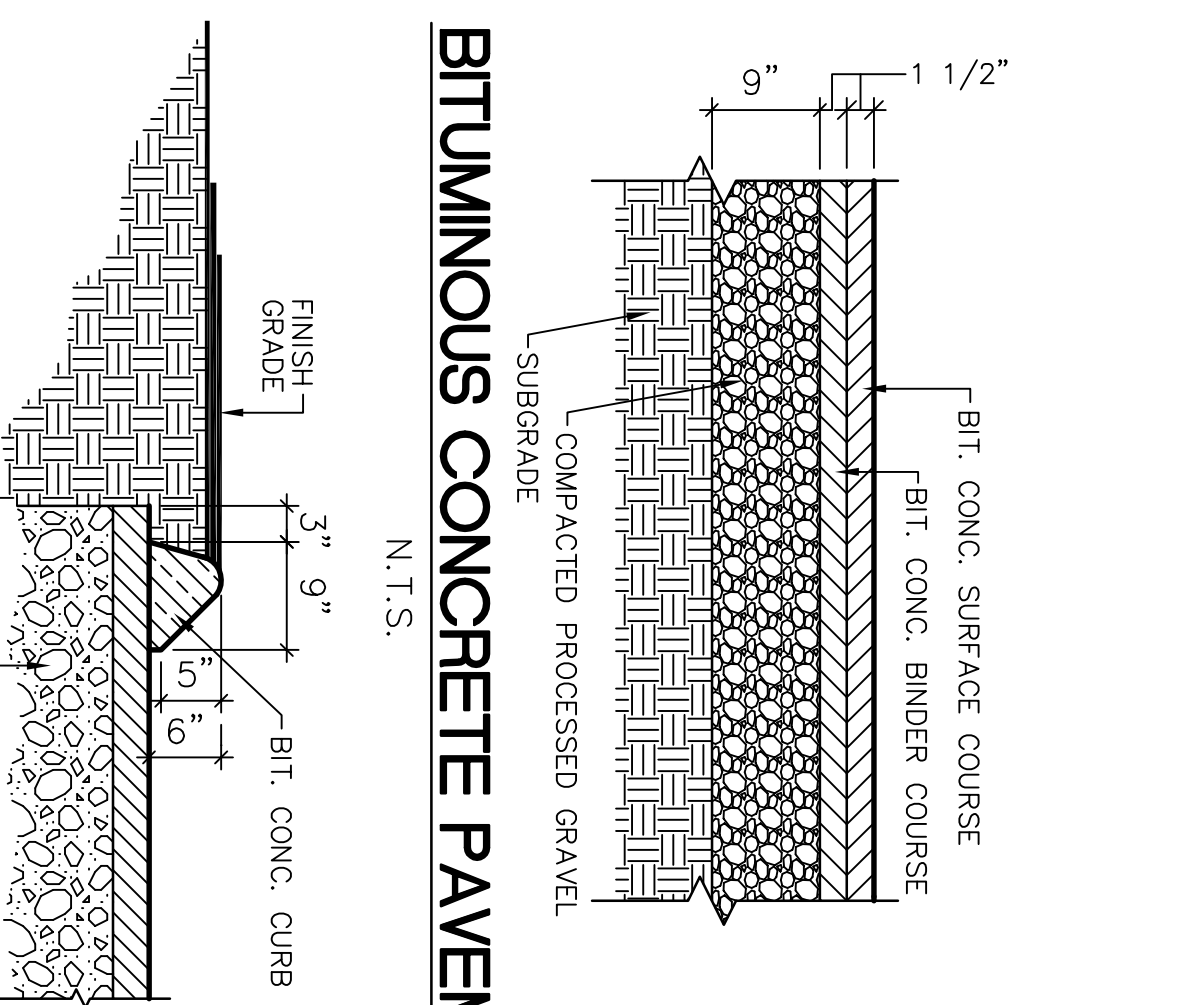
**GENERAL NOTES:**  
WHENEVER CONSTRUCTION SHALL TAKE PLACE IN AREAS DESIGNATED AS WETLANDS OR AS AREAS TO BE ECOLOGICALLY PROTECTED, THE CONTRACTOR SHALL TAKE SPECIAL CARE WITH HIS CONSTRUCTION METHODS AND SHALL COMPLY WITH THE DIVISION OF WATER RESOURCES SHALL BE CONDUCTED IN SUCH A MANNER AS TO PREVENT INJURY TO PERSONS OR PUBLIC HEALTH AND TO PREVENT FLOODING OF PUBLIC OR PRIVATE PROPERTY.  
ALL EXISTING VEGETATION SHALL BE PROTECTED, AND ONLY THAT CLEARING AND CUTTING WHICH IS ABSOLUTELY NECESSARY FOR THE PROPOSED CONSTRUCTION OR TO CLEAR THE PERMANENT RIGHT-OF-WAY SHALL BE ALLOWED. CARE SHALL BE TAKEN TO PRESERVE ALL EXISTING VEGETATION AND TO PROTECT IT FROM DAMAGE BY CONSTRUCTION EQUIPMENT BY STABLE MEANS.  
ALL REGULATED AREAS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND CONTOURS.  
EXCESS EXCAVATED MATERIAL, INCLUDING THAT RESULTING FROM CLEANING AND GROOMING, 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 TO CONSTRUCT THE PROPOSED WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS FROM THE TOWN WETLANDS COMMISSION, BY THE TOWN INDICATING THE LIMITS OF INLAND WETLANDS, AND CONDITIONS FOR CONSTRUCTION WITHIN THESE REGULATED AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND RESTRICTIONS FROM THE TOWN AND STATE.  
**SOIL EROSION AND SEDIMENT CONTROL MEASURES:**  
ALL WATERCOURSES SHALL BE PROTECTED FROM SEDIMENTATION BOTH DURING AND AFTER CONSTRUCTION. SEDIMENTATION SHALL BE PREVENTED BY INSTALLING DEWATERING CHANNELS, 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 WATERCOURSES.  
THE PLAN AND THE TO BE REPLICATED 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.  
INSURE EFFECTIVE SILTATION CONTROL FROM ALL AREAS ABOVE THE FENCES ARE STABILIZED AND VEGETATION EXPOSE AS SMALL AN AREA AS POSSIBLE FOR AS SHORT A TIME AS POSSIBLE.  
DURING CONSTRUCTION, ANY ADDITIONAL SEDIMENT/EROSION CONTROL MEASURES IN ADDITION TO THOSE SHOWN 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., MUST BE COVERED WITH THE FOLLOWING CRITERIA:  
1. THE PROPOSED DISTURBANCE AND AWAY FROM THE FOLLOWING:  
-WETLANDS  
-WATER CONVEYANCE CHANNELS  
-TOP DRAINAGE SYSTEM INLETS  
-TOP OF STEEP SLOPES

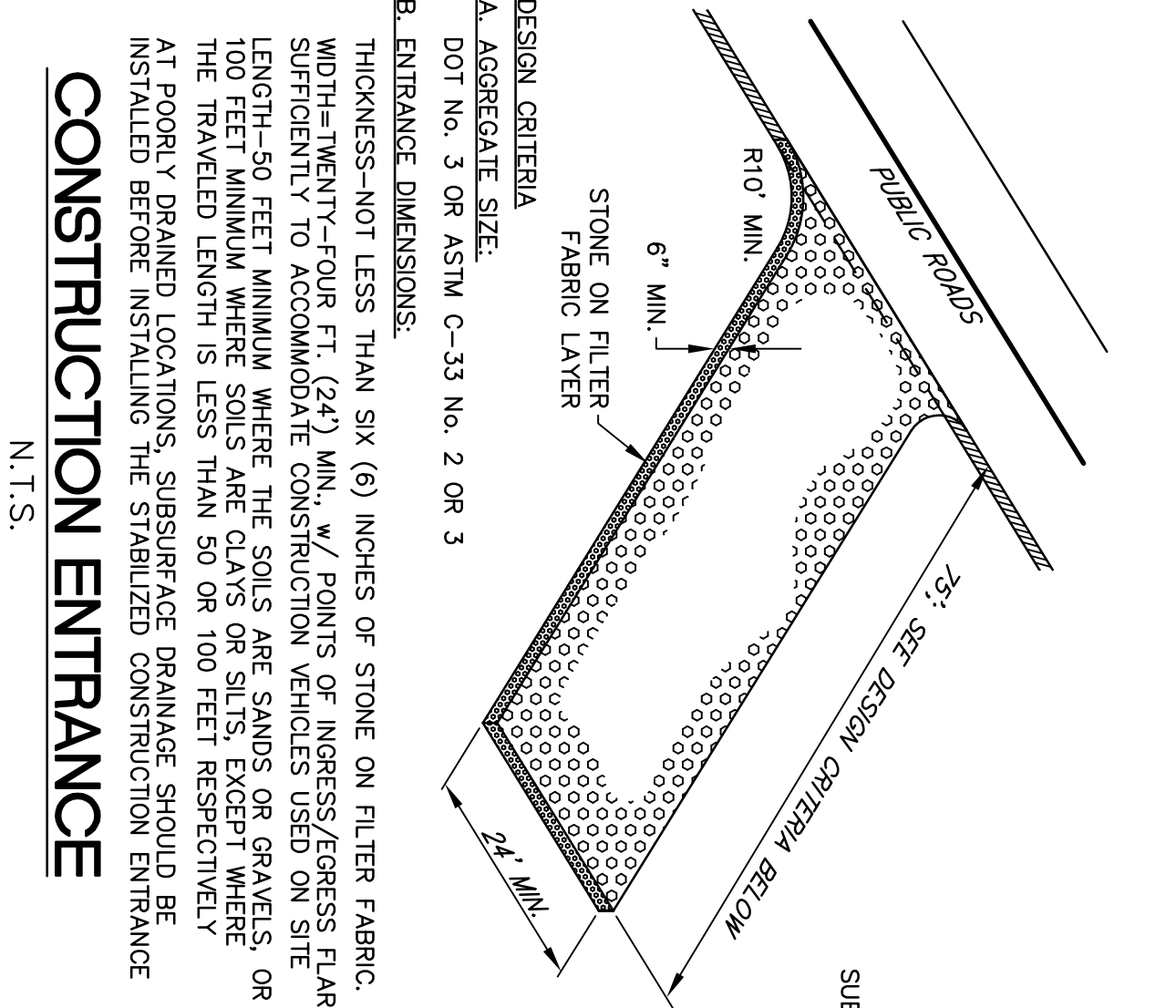
STOCKPILES SHALL BE SURROUNDED BY SEDIMENT BARRIERS, EITHER GEOTEXTILE SILT FENCE OR HAY BALE BARRIERS. PLACED APPROXIMATELY TEN FEET (10') FROM THE TOE OF SLOPE. THE SLOPE SHOULD BE APPROXIMATELY 3:1. STOCKPILED MATERIAL NOT TO BE USED WITHIN THIRTY DAYS SHALL BE SEEDED AND MULCHED IMMEDIATELY AFTER FORMATION OF THE STOCKPILE.  
THE MAIN PORTION OF STOCKPILES SHALL BE STRIPPED, LOAM, OR ORGANIC MATERIAL 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 STOCKPILED SEPARATELY DURING BACKFILLING. THESE MATERIALS SHALL BE DESIGNATED AS INLAND WETLANDS WITHOUT FIRST OBTAINING A PERMIT(S) FROM THE TOWN WETLANDS COMMISSION.  
THE CONTRACTOR SHALL MAINTAIN ALL BACKFILLED EXCAVATION IN PROPER ORDER TO PREVENT EROSION AND SEDIMENTATION. THE BACKFILLED EXCAVATION SHALL BE PROPERLY FILLED AND RESEDED IF NECESSARY.  
RRAP: IF SPECIFIED, IS TO BE INSTALLED FOR ENERGY DISSIPATION AND TO CONTROL WORKING, AND ALL ADJACENT AREAS ARE TO BE IMMEDIATELY SEEDED. IF IN SEASON, OR THE SOILS TO BE STABILIZED BY OTHER METHODS, THIS MAY REQUIRE SODDING.  
RRAP SHALL BE INSPECTED PERIODICALLY TO DETERMINE IF HIGH FLOWS HAVE CAUSED SCOUR BENEATH THE RRAP OR FILTER BLANKET, OR DISLOADED ANY OF THE RRAP OR 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 CORRECT LINE AND GRADE AND MOST AT ALL POINTS. THE METHODS AND EQUIPMENT USED FOR EXCAVATION OF TRENCHES SHALL BE KEPT AS SMALL AS PRACTICABLE TO ACCOMMODATE THE WORK.  
TRENCH EXCAVATION, BELOW THE TWO FOOT DEPTH WHICH IS TO BE STRIPPED BACKFILL MATERIAL, UNLESS THE ENGINEER DECLARES IT UNSUITABLE FOR BACKFILLING, SHALL BE 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 SEEDED.  
2. FERTILIZE AT THE FOLLOWING RATES:  
a) 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 AN ADDITIONAL 10 LB.S/1000 SF IS TO BE APPLIED.  
b) 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.  
4. MULCH IMMEDIATELY WITH HAY FREE FROM WEED SEEDS AT A RATE OF 3 BALES/1000 SF.

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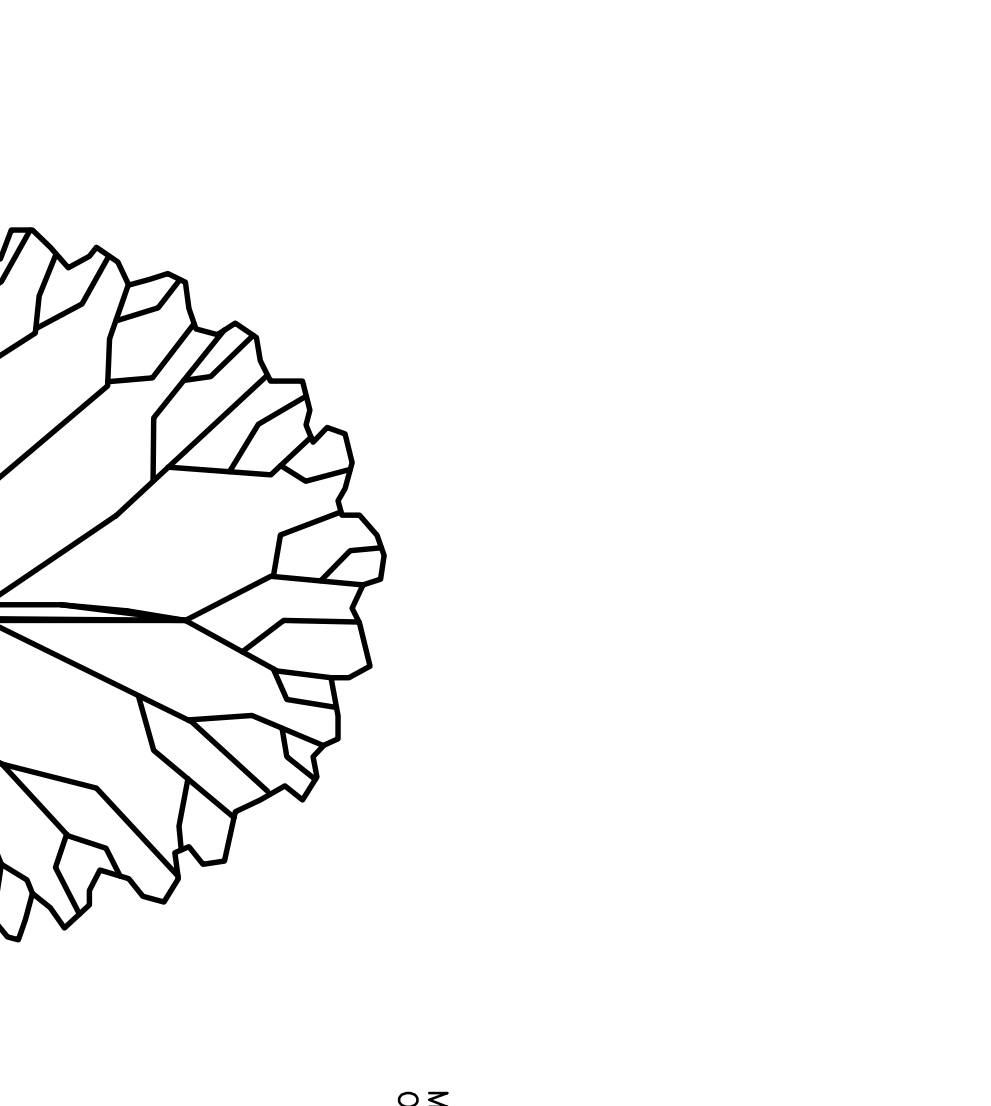


**BITUMINOUS CONCRETE PAVEMENT**  
N.T.S.

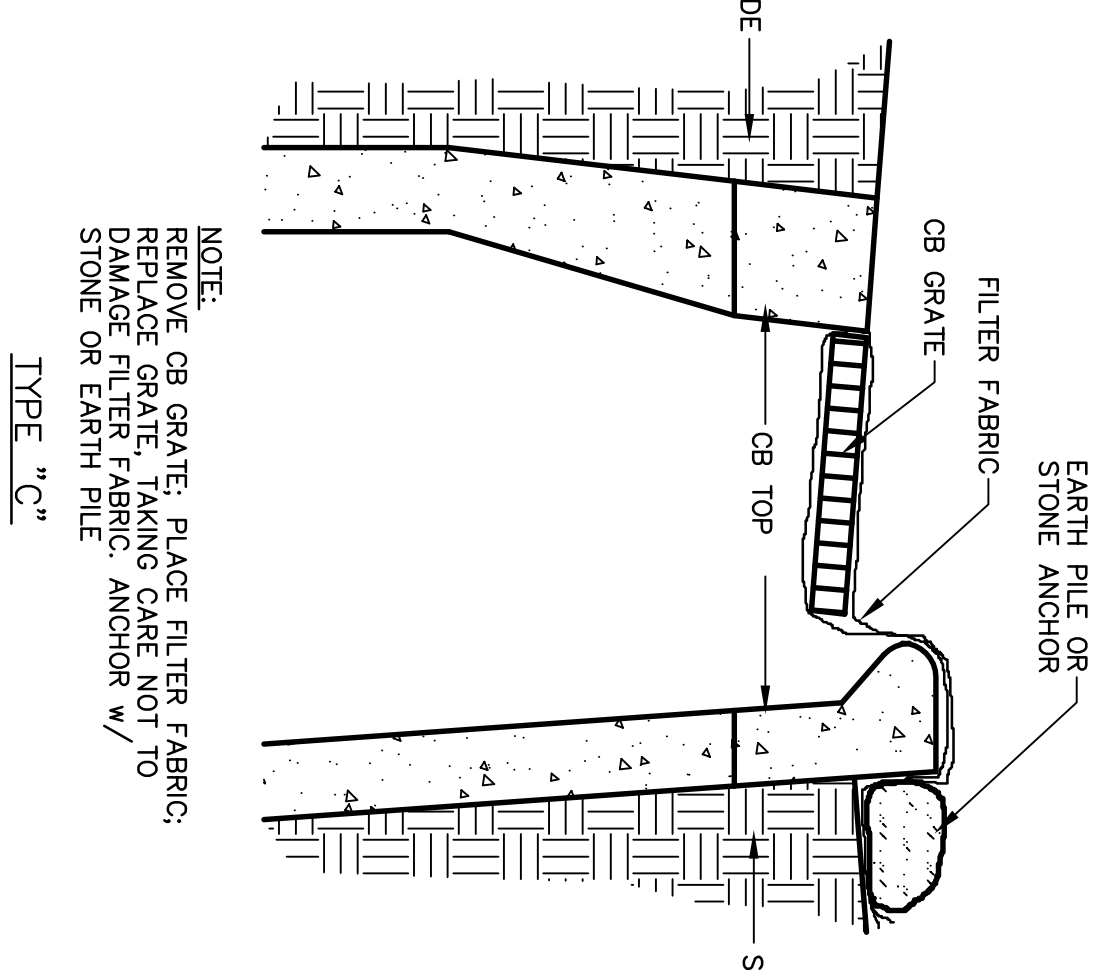
**BITUMINOUS CONCRETE CURB**  
N.T.S.



**TREE PLANTING**  
(FOR TREES UNDER 3" CAL.)  
N.T.S.



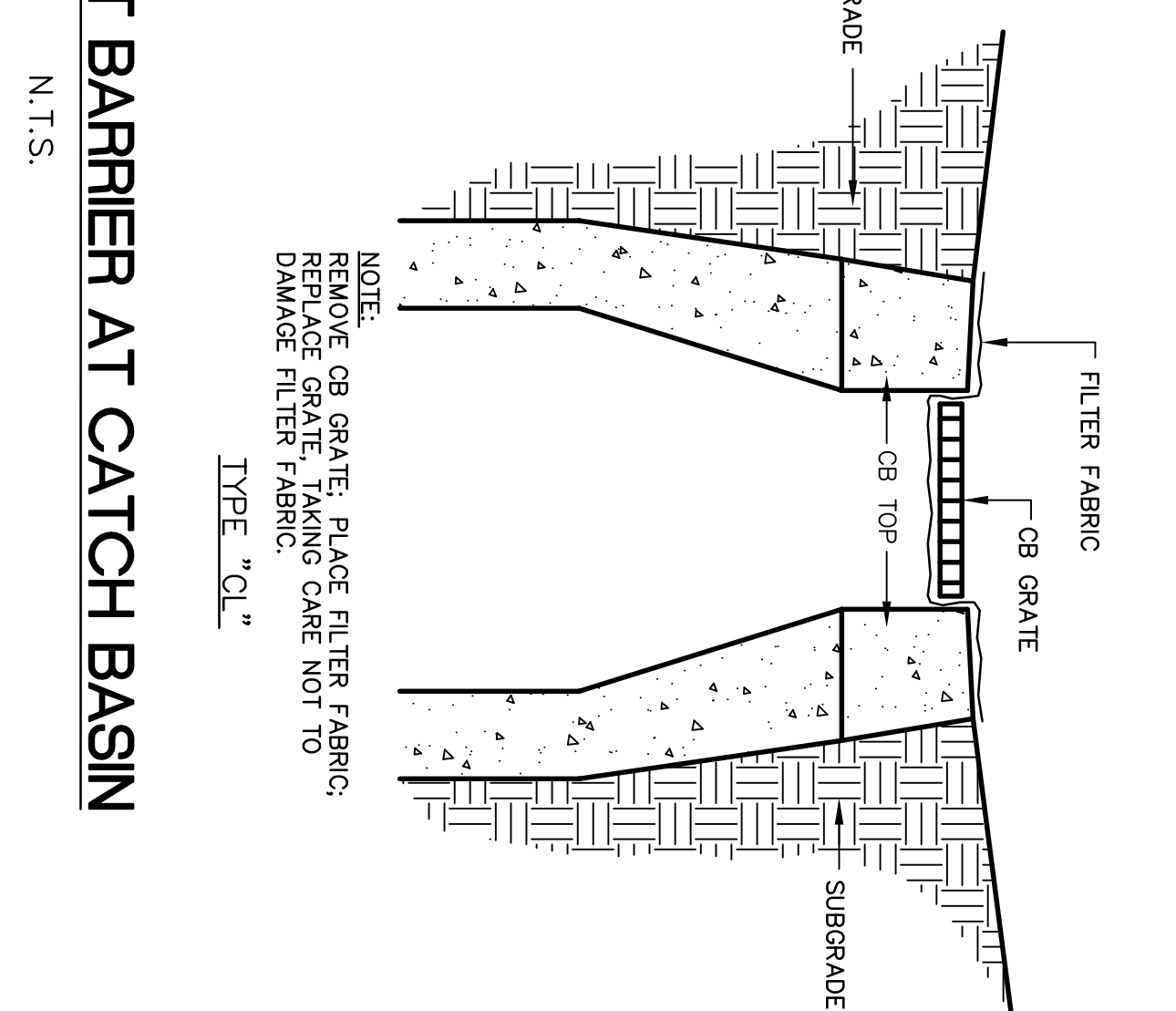
**SILTATION CONTROL FENCE**  
N.T.S.



**FILTER FABRIC SILT BARRIER AT CATCH BASIN**  
N.T.S.



**TYPE \"C\"**



**TYPE \"D\"**

PROJECT

**Wittmann**

37 TECHNOLOGY PARK DRIVE, TORRINGTON, CT

REVISIONS

NO.	DESCRIPTION

SEAL

DRAWN BY: G.R.W.

DATE: 04-18-22

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860-482-7613; WEB: WWW.BORGHESIBUILDING.COM

APPROVED BY: J.H.P.

SCALE: AS NOTED

SHEET NO.

**SPD1**

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