

EROSION AND SEDIMENTATION CONTROL PLAN

REFERENCE IS MADE TO THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" (2002)AS AMENDED, AND TO THE TOWN HIGHWAY ENGINEERING STANDARDS AND SPECIFICATIONS. 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.

IN ALL AREAS, REMOVAL OF TREES, BUSHES AND OTHER VEGETATION AS WELL AS DISTURBANCE OF THE SOIL IS TO BE KEPT TO AN ABSOLUTE MINIMUM WHILE ALLOWING PROPER DEVELOPMENT OF THE SITE.

DURING CONSTRUCTION, EXPOSE AS SMALL AN AREA OF SOIL AS POSSIBLE FOR AS SHORT A TIME AS POSSIBLE.

AFTER CONSTRUCTION, GRADE, RESPREAD TOPSOIL AND STABILIZE SOIL BY SEEDING AND MULCHING SO AS TO PREVENT EROSION.

THE CONTRACTOR SHALL NOTIFY THE TOWN ENGINEER AT THE BEGINNING AND END OF EACH STEP OF THE CONSTRUCTION PROCEDURE AND SHALL NOT PROCEED WITH THE NEXT STEP UNTIL THE TOWN ENGINEER HAS INSPECTED THE WORK.

THE STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION OF CONNECTICUT D.O.T. FORM 816 ARE THE OFFICIAL SPECIFICATIONS FOR CONSTRUCTION IN THE TOWN.

SPECIAL PROVISIONS REGARDING WETLANDS AND WATERCOURSES

GENERAL

WHENEVER CONSTRUCTION SHALL TAKE PLACE IN AREAS DESIGNATED AS WETLANDS, REGULATED AREAS OR AREAS TO BE ECOLOGICALLY PROTECTED, THE CONTRACTOR SHALL TAKE SPECIAL CARE WITH HIS CONSTRUCTION METHODS AND SHALL COMPLY WITH THE FOLLOWING REGULATIONS:

ANY PROCEDURES INVOLVING WATERCOURSES 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.

ALL REGULATED AREAS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND CONTOUR EXCEPT AS SHOWN ON THE APPROVED GRADING PLAN.

EXCESS EXCAVATED MATERIAL, INCLUDING THAT RESULTING FROM CLEARING AND GRUBBING, SHALL NOT BE DEPOSITED WITHIN THE REGULATED AREA EXCEPT AS SHOWN ON THE APPROVED GRADING PLAN.

SEDIMENTATION CONTROL

ALL REGULATED AREAS AND 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.

WORK WITH REGULATED AREAS

IF PORTIONS OF THIS PROJECT ARE TO BE CONSTRUCTED IN WETLANDS, REGULATED AREAS AND WOODED AREAS, THE INTENT OF THIS CONTRACT IS TO LIMIT DISTURBANCE OF THESE AREAS TO WHAT IS ABSOLUTELY NECESSARY FOR CONSTRUCTION AND TO RESTORE THE AREAS AS CLOSELY AS POSSIBLE TO THEIR ORIGINAL NATURAL STATE. THE DEVELOPER WILL OBTAIN THE NECESSARY PERMIT FROM THE TOWN WETLANDS COMMISSION. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE PERMIT, THE MAPS HELD BY THE TOWN INDICATING THE LIMITS OF REGULATED AREAS AND CONDITIONS FOR CONSTRUCTION WITHIN THESE AREAS. THE CONTRACTOR SHALL BE REQUIRED TO STRICTLY ADHERE TO ALL REQUIREMENTS AND RESTRICTIONS IMPOSED BY THE WETLANDS PERMIT.

STRIPPING AND STOCKPIILING

THE CONTRACTOR SHALL CAREFULLY STRIP ALL TOPSOIL, LOAM OR ORGANIC MATERIAL PRIOR TO TRENCHING OPERATIONS AND SHALL STORE THEM SEPARATELY FROM ALL OTHER MATERIALS DURING EXCAVATION. IN AREAS DESIGNATED AS REGULATED AREAS, THE UPPER STRATA TO A DEPTH OF 2 FEET SHALL BE STRIPPED AND STORED SEPARATELY. DURING BACKFILLING, THESE MATERIALS SHALL BE REPLACED AND FINISHED AS THEY EXISTED BEFORE CONSTRUCTION BEGAN, EXCEPT FOR SPECIAL ACCESS WAYS AS NOTED ON THE PLANS.

THE CONTRACTOR SHALL NOT INTRODUCE ANY QUANTITIES OF FILL MATERIALS INTO ANY AREAS DESIGNATED AS REGULATED AREAS EXCEPT AS SHOWN ON THE APPROVED GRADING PLANS.

THE CONTRACTOR SHALL MAINTAIN ALL BACKFILLED EXCAVATION IN PROPER CONDITION UNTIL EXPIRATION OF THE MAINTENANCE PERIOD. ALL DEPRESSIONS APPEARING IN THE BACKFILLED EXCAVATION SHALL BE PROPERLY FILLED AND RESEDED IF NECESSARY. COMPLY WITH THE FOLLOWING REGULATIONS:

DISPOSAL OF TREES AND BRUSH

ALL SAPLING TREES AND BRUSH CUT ON THE JOB SHALL BE CHIPPED FOR DISPOSAL. WOOD CHIPS SHALL BE 1/8 INCH NOMINAL THICKNESS WITH NOT LESS THAN 50 PERCENT OF THE CHIPS HAVING AN AREA NOT LESS THAN ONE (1) SQUARE INCH, NOR MORE THAN SIX (6) SQUARE INCHES. THE CHIPS SHALL BE DISPOSED OF BY UNIFORM SPREADING OVER THE PROJECT IN WOODED AREAS DESIGNATED BY THE ENGINEER.

ALL OTHER CUT TREES AND STUMPS SHALL BE REMOVED FROM THE REGULATED AREAS.

TRENCH EXCAVATION AND BACK FILL

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 DISTURBED 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 SHALL BE USED AS THE TRENCH BACKFILL MATERIAL IN THE WETLANDS AREA, UNLESS THE ENGINEER DECLARES IT UNSUITABLE FOR BACKFILL MATERIAL. EXCESS EXCAVATED MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR IN AN AREA DESIGNATED BY THE ENGINEER.

MINIMIZING STREAM SILTATION

THE CROSSING OF STREAMS WITH UNDERGROUND UTILITIES WILL BE ACCOMPLISHED BY INSTALLING A LARGE DIVERSION PIPE IN THE EXISTING CHANNEL AND THEN TUNNELING UNDER THE BED. ONCE THE UTILITY IS INSTALLED THE DIVERSION PIPE SHALL BE REMOVED LEAVING THE STREAM ESSENTIALLY UNDISTURBED.

SMALL WATERCOURSES THAT CAN BE TEMPORARILY DAMMED UP SHALL BE RESTRICTED WITH BALED HAY, STONES AND/OR TIMBERS TO PREVENT SILTING.

WATER PUMPED FROM POORLY DRAINED AREAS AND THE TRENCH EXCAVATION SHALL BE FREE FROM SILT AND SHALL BE DISCHARGED SO AS TO MINIMIZE TURBULENCE IN ADJACENT WATERCOURSES. IF NECESSARY, WATER SHALL BE DISCHARGED TO SILTATION PONDS PRIOR TO DISCHARGE TO THE STREAM.

RESTORATION

THE FINAL RESTORATION AND RESEEDING SHALL BE DONE IN ACCORDANCE WITH OTHER SPECIFICATIONS IN THIS CONTRACT.

EROSION AND SEDIMENTATION CONTROL MEASURES

F. 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. DEPOSITS OF SEDIMENT AND SILT ARE TO BE PERIODICALLY REMOVED FROM THE UPSTREAM SIDE OF THE 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 ON. THE FENCE IS TO BE REPLACED AS NECESSARY TO PROVIDE PROPER FILTERING ACTION. THE FENCE IS TO REMAIN IN PLACE AND TO BE MAINTAINED TO INSURE EFFICIENT SILTATION CONTROL UNTIL ALL AREAS ABOVE THE FENCE ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED.

R. RIP-RAP AS SPECIFIED IS TO BE INSTALLED AT THESE POINTS AS ENERGY DISSIPATION STRUCTURES. THE RIP-RAP IS TO BE INSTALLED BEFORE THE OUTLET STRUCTURES ARE ACTIVATED AND ALL ADJACENT AREAS ARE TO BE IMMEDIATELY SEEDDED IF IN SEASON, OR THE SOIL IS TO BE STABILIZED BY OTHER METHODS. THIS MAY REQUIRE SOODING OR MULCHING OR OTHER METHODS AS DEFINED IN THE "GUIDELINES".

D. AN INTERCEPTOR DIKE IS TO BE INSTALLED IN THE ROADWAY AT THIS POINT TO DIVERT RUNOFF FLOWING IN THE ROADWAY TO A TEMPORARY OUTLET. THE DIVERSION IS TO REDUCE RUNOFF AND EROSION IN THE ROADWAY DOWNSTREAM OF THE DIVERSION. THE INTERCEPTOR DIKE SHALL BE INSTALLED AFTER ROUGH GRADING OF THE ROADWAY AND SHALL REMAIN IN PLACE UNTIL JUST BEFORE THE ROAD BASE AND SURFACE COURSES ARE INSTALLED.

ESTABLISHING VEGETATION COVER ON DISTURBED AREAS

- SCARIFY SURFACE OF ALL AREAS TO BE TOPSIDE AND PLACE A MINIMUM OF 4" OF TOPSOIL ON ALL AREAS TO BE SEEDDED.
- APPLY LIME AT A RATE OF TWO TONS OF GROUND LIMESTONE PER ACRE. (100 LBS./1000 SQ. FT.)
- FERTILIZE
 - FOR SPRING SEEDING, APPLY 10-10-10 FERTILIZER AT A RATE OF 300 LBS. PER ACRE (7 LBS./1000 SQ. FT.) AND WORK INTO SOIL. SIX TO EIGHT WEEKS LATER, APPLY AN ADDITIONAL 300 LBS. PER ACRE ON THE SURFACE.
 - FOR FALL SEEDING, APPLY 10-10-10 FERTILIZER AT A RATE OF 600 LBS. PER ACRE (14 LBS./1000 SQ. FT.) AND WORK INTO SOIL.
- SMOOTH AND FIRM SEEDBED, APPLY SEED UNIFORMLY AT THE RATE SPECIFIED FOR THE SEED TYPE AND COVER SEED WITH NOT MORE THAN 1/4" OF SOIL.
- MULCH IMMEDIATELY WITH HAY FREE FROM WEED SEEDS, AT A RATE OF 3 BALES PER 1000 SQ. FT.

- PERMANENT SEEDINGS, WHERE AN AREA WILL BE EXPOSED FOR MORE THAN ONE YEAR, OR WHERE FINAL GRADING IS COMPLETE:

AREA WHERE SEED MIX APPLIES	SEEDING MIXTURE BY WEIGHT	RATE PER 1000 SQ. FT.	SEEDING DATES
ALL LAWN AREAS	CREeping RED FESCUE	0.45 LB	APRIL 15 - JUNE 15 OR AUGUST 15 - SEPT 15
	KENTUCKY BLUEGRASS	0.45 LB	
	PERENNIAL RYEGRASS	0.10 LB	
ROAD CUTS & FILLS AND DIVERSION DITCHES	CREeping RED FESCUE	0.45 LB	APRIL 15 - JUNE 15 OR AUGUST 15 - SEPT 15
	TALL FESCUE OR SMOOTH BROMEGRASS	0.05 LB	
		0.95 LB	
VERY STEEP SLOPES	CREeping FESCUE	0.45 LB	APRIL 15 - JUNE 15 OR AUGUST 15 - SEPT 15
	REDTOP	0.35 LB	
	CROWN VETCH	0.85 LB	
NO MAINTENANCE AREAS	RED CANARYGRASS	0.45 LB	APRIL 15 - JUNE 15 OR AUGUST 15 - SEPT 15
	REDTOP	0.10 LB	
		0.55 LB	

IF TREES ARE TO BE RETAINED, THE SEED MIX SHOULD BE ADAPTED FOR SHADY CONDITIONS.

- TEMPORARY SEEDING: TO PROTECT THE SOIL OVER THE WINTER.

SPECIES	RATE/1000 SQ. FT.	OPTIMUM SEEDING DATE	OPTIMUM SEED DEPTH
ANNUAL RYEGRASS	1.0	3/1 - 6/15 8/1 - 10/1	0.5
PERENNIAL RYEGRASS	1.0	3/15 - 6/15 8/1 - 10/1	0.5
WINTER RYE	3.0	4/15 - 6/15 8/15 - 10/1	1.0
OATS	2.0	3/1 - 6/15 8/1 - 10/1	1.0
WHEAT	3.0	4/1 - 6/15 8/15 - 10/1	1.0
MILLET	0.5	6/1 - 7/1 5/15 - 8/15	1.0
SUDANGRASS	0.7	5/15 - 8/15	1.0
BUCKWHEAT	0.4	4/1 - 9/15	1.0
WEEPING LOVEGRASS	0.2	6/1 - 7/1	0.25

- MAY BE PLANTED THROUGHOUT SUMMER IF SOIL MOISTURE IS ADEQUATE OR CAN BE IRRIGATED.
- SEED AT TWICE THE INDICATED DEPTH FOR SANDY SOIL.
- THE FALL SEEDING DATES MAY BE EXTENDED 15 DAYS IN THE COASTAL TOWNS OF NEW LONDON, MIDDLESEX, NEW HAVEN AND FAIRFIELD COUNTIES.

SOURCE: U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, STORRS, CONN.

ORGANIC MULCH MATERIALS AND APPLICATION RATES

MULCHES	RATES PER ACRE	RATES PER 1000 SQ.FT. ²	NOTES
STRAW OR HAY	1 1/2 - 2 TONS	70 - 90 LBS.	FREE FROM NEEDS AND COARSE MATTER. MUST BE ANCHORED. SPREAD WITH MULCH BLOWER OR BY HAND.
WOOD FIBER	1000 - 2000 LBS.	25 - 50 LBS.	FIBERS 4MM OR LONGER. DO NOT USE ALONE IN WINTER OR DURING HOT, DRY WEATHER. APPLY AS SLURRY.
CORN STALKS	4 - 6 TONS	185 - 275 LBS.	CUT OR SHREDDED IN 4-6 INCH LENGTHS. AIR DRIED. DO NOT USE IN FINE TURF AREAS. APPLY WITH MULCH BLOWER OR BY HAND.

- SEED AT TWICE THE INDICATED DEPTH FOR SANDY SOIL.

INSTALLATION REQUIREMENTS FOR ORGANIC MULCHES

ORGANIC MULCHES MAY BE USED IN ANY AREA WHERE MULCH IS REQUIRED, SUBJECT TO THE RESTRICTIONS NOTED IN FIGURE 7-1.

- MATERIALS**
SELECT MULCH MATERIAL BASED ON SITE CONDITIONS, AVAILABILITY OF MATERIALS, AND LABOR AND EQUIPMENT. FIGURE 7-1 LISTS THE MOST COMMONLY USED ORGANIC MULCHES. OTHER MATERIALS MAY BE USED WITH THE PERMISSION OF THE APPROVING AUTHORITY.
- PRIOR TO MULCHING**
COMPLETE THE REQUIRED GRADING AND INSTALL NEEDED SEDIMENT CONTROL MEASURES.
- APPLICATION**
MULCH MATERIALS SHALL BE SPREAD UNIFORMLY, BY HAND OR MACHINE.
APPROXIMATELY 1000 SQUARE FOOT SECTIONS AND PLACE 70-90 LBS (1-1/2 TO 2 BALES) OF STRAW OR HAY IN EACH SECTION TO INSURE UNIFORM DISTRIBUTION.
- ORGANIC MULCH ANCHORING**
STRAW OR HAY MULCH MUST BE ANCHORED IMMEDIATELY AFTER SPREADING TO PREVENT WINDBLOWING. OTHER ORGANIC MULCHES DO NOT REQUIRE ANCHORING. THE FOLLOWING METHODS OF ANCHORING STRAW OR HAY MAY BE USED.
 - MULCH ANCHORING TOOL**
THIS IS A TRACTOR-DRAWN IMPLEMENT DESIGNED TO PUNCH MULCH INTO THE SOIL SURFACE. THIS METHOD PROVIDES MAXIMUM EROSION CONTROL WITH STRAW. IT IS LIMITED TO USE ON SLOPES NO STEEPER THAN 3 TO 1 (3 HORIZONTALLY TO 1 VERTICALLY), WHERE EQUIPMENT CAN OPERATE SAFELY. MACHINERY SHALL BE OPERATED ON THE CONTOUR.
 - TRACKING**
APPLY MULCH AND DRIVE TRACKED EQUIPMENT UP AND DOWN SLOPE OVER ENTIRE SURFACE SO CLEAT MARKS ARE PARALLEL TO CONTOUR.
 - MULCH NETTINGS**
INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

MAINTENANCE

ALL MULCHES MUST BE INSPECTED PERIODICALLY, IN PARTICULAR AFTER RAINSTORMS, TO CHECK FOR RILL EROSION. NETTING SHOULD BE INSPECTED AFTER RAINSTORMS FOR DISLOCATION OR FAILURE. IF WASHOUTS OR BREAKAGE OCCUR, REINSTALL NETTING AS NECESSARY AFTER REPAIRING DAMAGE TO THE SLOPE. INSPECTIONS SHOULD TAKE PLACE UNTIL GRASSES ARE FIRMLY ESTABLISHED. GRASSES SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED WHICH IS MATURE ENOUGH TO CONTROL SOIL EROSION AND TO SURVIVE SEVERE WEATHER CONDITIONS. WHERE MULCH IS USED IN CONJUNCTION WITH ORNAMENTAL PLANTING, INSPECT PERIODICALLY THROUGHOUT THE YEAR TO DETERMINE IF MULCH IS MAINTAINING COVERAGE OF THE SOIL SURFACE; REPAIR AS NEEDED.

NOTE:
STUMPS SHALL BE REMOVED FROM THE SITE OR GROUND ON SITE TO BE USED AS MULCH. STUMPS SHALL NOT BE BURIED ON SITE.

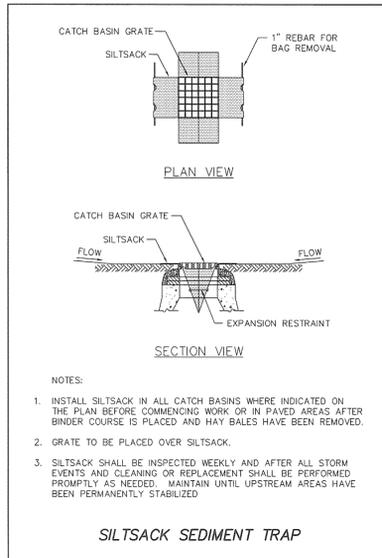
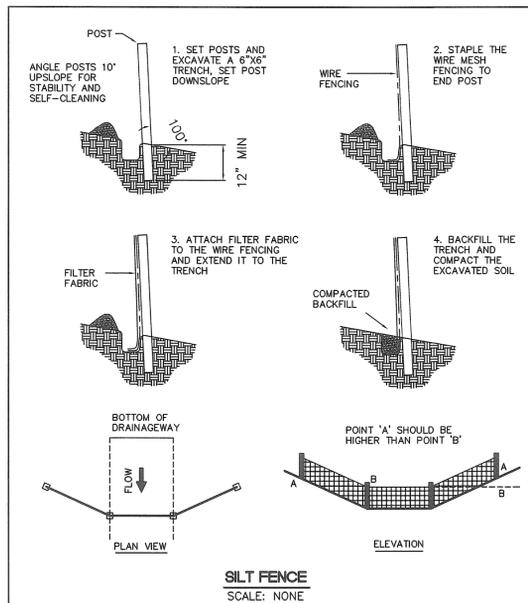
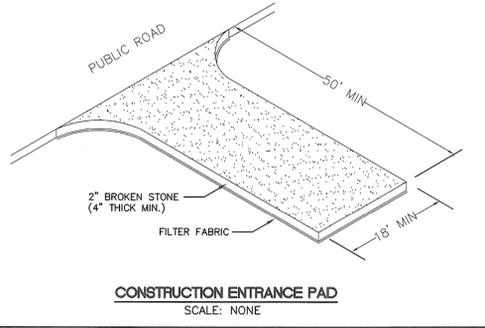
REGISTRATION WITH THE DEP IS REQUIRED FOR THE OVER ALL SITE DISTURBANCE OF MORE THAN 5 ACRES BUT LESS THAN 10 ACRES.

INSTALLATION REQUIREMENTS

THE LENGTH, WIDTH AND DEPTH SHOWN ON THIS DETAIL ARE THE MINIMUM REQUIREMENTS FOR A DRY, SANDY SITE. EACH SITE IS DIFFERENT AND SOME SITES WILL REQUIRE THE INSTALLATION OF A LARGER CONSTRUCTION ENTRANCE PAD (CE) PRIOR TO THE START OF CONSTRUCTION TO ACHIEVE PROPER SEDIMENTATION CONTROL. THE AREA OF THE ENTRANCE SHOULD BE CLEARED OF ALL VEGETATION, ROOTS, AND OTHER OBSTRUCTIONAL MATERIAL. A STRUCTURAL SOIL STABILIZATION FABRIC SHALL BE PLACED ON THE SURFACE PRIOR TO THE PLACEMENT OF THE STONE TO PREVENT PUMPING. THE STONE SHALL BE PLACED TO THE SPECIFIED DIMENSIONS. ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHOULD BE CONSTRUCTED ACCORDING TO SPECIFICATIONS. IF WASH RACKS ARE USED, THEY SHOULD BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

MAINTENANCE

THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS WILL REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AND WIDTH AS SITE CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ACCUMULATIONS OF SEDIMENT, DIRT AND DEBRIS ON THE ADJACENT ROAD SHALL BE SUFFICIENT INDICATION THAT THE CE IS UNDERSED AND THE CONTRACTOR SHALL TAKE IMMEDIATE STEPS TO REPAIR, REPLACE OR ENLARGE THE CE AS REQUIRED TO ELIMINATE SAID ACCUMULATION. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.



NOTES:

- INSTALL SILTSACK IN ALL CATCH BASINS WHERE INDICATED ON THE PLAN BEFORE COMMENCING WORK OR IN PAVED AREAS AFTER BINDER COURSE IS PLACED AND HAY BALES HAVE BEEN REMOVED.
- GRATE TO BE PLACED OVER SILTSACK.
- SILTSACK SHALL BE INSPECTED WEEKLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED.

EROSION AND SEDIMENTATION CONTROL CHECKLIST

PROJECT: TALCOTT ESTATES
LOCATION: TALCOTT MOUNTAIN ROAD
PROJECT DESCRIPTION: 3 LOT RESIDENTIAL DEVELOPMENT
PARCEL AREA: 15.621 ACRES

RESPONSIBLE PERSONNEL:

GREG MAGLIERI (860) 242-0298
39 WEST DUDLEY TOWN ROAD
BLOOMFIELD, CONNECTICUT 06002

EROSION AND SEDIMENT CONTROL PLAN PREPARER:

DENNO LAND SURVEYING & CONSULTING, LLC (860) 408-9167
2 TUNXIS ROAD SUITE 210
TARIFFVILLE, CONNECTICUT 06081

CHECKLIST:

WORK DESCRIPTION	LOCATION	DATE INSTALLED	INITIALS	DATE REMOVED	INITIALS
Erosion & Sediment Control Measures					
CONSTRUCTION ENTRANCE PAD	TALCOTT MOUNTAIN ROAD				
SILT FENCE	TOE OF SLOPES STOCKPILES				
TOPSOIL, MULCH & SEED	ALL DISTURBED AREAS				
SILT SACKS	EXISTING CB IN CUL-DE-SAC				

MAINTENANCE OF MEASURES:

LOCATION	DESCRIPTION OR NUMBER	DATE	INITIALS
TALCOTT MOUNTAIN ROAD	CONSTRUCTION ENTRANCE PAD		
TOE OF SLOPES	SILT FENCE		
STOCKPILES	SILT FENCE		
ALL DISTURBED AREAS	TOPSOIL, MULCH & SEED		

PROJECT DATES:

DESCRIPTION	DATE	INITIALS
DATE OF GROUND BREAKING FOR PROJECT		
DATE OF FINAL STABILIZATION		

CONSTRUCTION SCHEDULE:

EROSION AND SEDIMENT CONTROL NARRATIVE:

THE PROPOSED PROJECT IS A 3 LOT RESIDENTIAL SUBDIVISION ON A 15.62 ACRE PORTION OF THE ELLSWORTH PROPERTY KNOWN AS "MANAGER HILL", WITH A 5 ACRE PARCEL DEEDED TO AND MADE PART OF 116 EAST WEAUTOQUE STREET AND 75.334 ACRES DEEDED TO THE SIMSBURY LAND TRUST.

THE PROJECT IS PLANNED ON HIGHLY ERODIBLE SOILS UPGRADIENT AND ADJACENT TO WETLANDS. CONSTRUCTION IS TO BE DONE DURING A TIME OF LOW SOIL MOISTURE AND A CLEAR FORECAST. CARE MUST BE TAKEN TO PREVENT EROSION AND PROTECT THE WETLANDS.

THE ACCESS DRIVE IS 568+/- FEET LONG AND 18 FEET WIDE.

AREA OF PROPOSED RESUBDIVISION = 15.62 ACRES

AREA OF DISTURBANCE = 4.84 ACRES

THE CONSTRUCTION OF THE PROJECT WILL BE COMPLETED IN PHASES TO LIMIT THE AMOUNT OF DISTURBED AREA AT ANY ONE TIME.

PHASE ONE - COMMON DRIVE, STORM SYSTEM AND UTILITIES

CONSTRUCTION OF THIS PHASE IS EXPECTED TO REQUIRE TWO - THREE WEEKS TO COMPLETE AND STABILIZE THE SOIL.

INSTALL CONSTRUCTION ENTRANCE PAD.

DEVELOPER'S SURVEYOR TO IDENTIFY AND MARK TREES TO BE PROTECTED AND STAKE AND CLEARLY MARK THE EDGE OF VEGETATION TO REMAIN UNDISTURBED.

ERECT BRIGHT NYLON BARRIER TAPE ALONG EDGE OF CLEARING FOR THE PRIVATE DRIVE, DRAINAGE AND ASSOCIATED GRADING. PRIVATE DRIVE, DRAINAGE AND UTILITIES TO BE INSTALLED AND STABILIZED PRIOR TO THE CLEARING OF THE INDIVIDUAL LOTS.

REMOVE TREES, BRUSH AND STUMPS IN AREAS TO BE CLEARED.

INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES.

STRIP TOPSOIL IN AREAS TO BE CUT OR FILLED. STOCKPILE TOPSOIL, SEED AND MULCH OR COVER WITH NETTING.

REMOVE UNACCEPTABLE SOIL AND BOULDERS LARGER THAN ONE CUBIC FOOT FROM CONSTRUCTION AREA.

ROUGH GRADE ROAD RIGHT-OF-WAY.

INSTALL STORM DRAINAGE SYSTEM, CONSTRUCT SWALE, LEVEL SPREADER AND RAIN GARDENS UPGRADIENT OF THE COMMON DRIVE. STABILIZE WITH THE STRAW FIBER EROSION CONTROL BLANKET.

INSTALL ROADBASE AND PAVE ROAD, INSTALL UTILITIES.

GRADE, LOAM AND SEED RIGHT-OF-WAY.

PHASE TWO - INDIVIDUAL HOUSE LOTS

PREPARE SITE PLANS FOR INDIVIDUAL HOUSES, GET APPROVAL FROM THE TOWN AND HEALTH DEPARTMENT, CONSTRUCT HOMES.

CONSTRUCTION OF HOME LOTS WILL BE DEPENDENT ON THE MARKET AND IS EXPECTED TO BE DONE ONE LOT AT A TIME. HOME CONSTRUCTION IS EXPECTED TO TAKE FOUR TO SIX MONTHS PER HOUSE.

INSTALL CONSTRUCTION ENTRANCE PAD, PLACE HAYBALES OR SILT FENCE ALONG THE UPHILL SIDE OF THE COMMON DRIVE TO PROTECT THE PAVEMENT AND DRAINAGE SYSTEM DURING HOME CONSTRUCTION. HAYBALES OR SILT SACKS ARE TO BE PLACED AT THE CATCH BASINS AT THIS TIME TO FURTHER PROTECT THE DRAINAGE SYSTEM AND BE MAINTAIN UNTIL SITE IS STABILIZED.

DEVELOPER'S SURVEYOR TO IDENTIFY AND MARK TREES TO BE PROTECTED AND STAKE AND CLEARLY MARK THE EDGE OF VEGETATION TO REMAIN UNDISTURBED.

ERECT BRIGHT NYLON BARRIER TAPE ALONG EDGE OF CLEARING

REMOVE TREES, BRUSH AND STUMPS IN AREAS TO BE CLEARED.

INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES.

STRIP TOPSOIL IN AREAS TO BE CUT OR FILLED. STOCKPILE TOPSOIL, SEED AND MULCH OR COVER WITH NETTING.

REMOVE UNACCEPTABLE SOIL AND BOULDERS LARGER THAN ONE CUBIC FOOT FROM CONSTRUCTION AREA.

ROUGH GRADE HOUSE SITE AND DRIVEWAY.

CONSTRUCT HOUSE, INSTALL SEPTIC SYSTEM & WELL. FOR LOT 5 INSTALL RAIN GARDEN AND STABILIZE.

INSTALL DRIVEWAY BASE AND PAVE

GRADE, LOAM AND SEED ALL DISTURBED AREAS

SEDIMENTATION & EROSION CONTROL DETAILS

TALCOTT ESTATES
PREPARED FOR
MAGLIERI DEVELOPMENT, LLC
TALCOTT MOUNTAIN ROAD
SIMSBURY, CONNECTICUT

REVISIONS:
11/14/14 - PER TOWN STAFF
11/25/14 - PER TOWN STAFF
12/26/14 - PER TOWN STAFF
12/31/14 - PER TOWN STAFF
1/08/15 - PER TOWN STAFF

TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

NOT VALID UNLESS LIVE SIGNATURE AND EMBOSSED SEAL IS AFFIXED
DENNO LAND SURVEYING & CONSULTING, LLC
2 TUNXIS RD. STE. 210 TARIFFVILLE, CT 06081

SCALE: N.T.S. DATE: 9/30/14 SHEET NO: 7 OF 8

