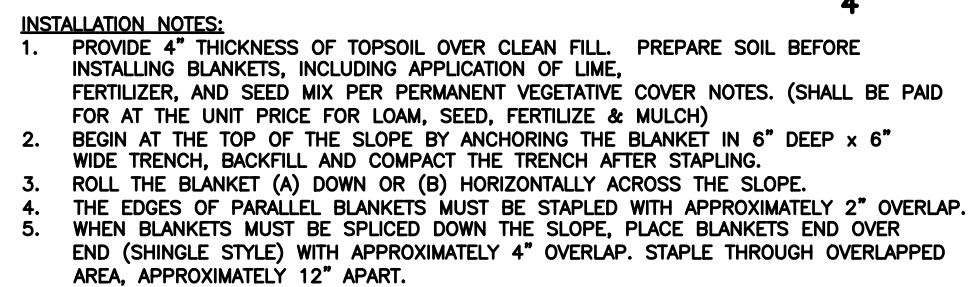


1. THE EROSION AND SEDIMENTATION CONTROL PLAN AND DETAILS HAVE BEEN DEVELOPED AS A STRATEGY TO CONTROL SOIL EROSION AND SEDIMENTATION DURING AND AFTER CONSTRUCTION. THIS PLAN IS BASED ON THE "2024 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION IN COOPERATION WITH THE CONNECTICUT DEEP.
2. THE PROPOSED LOCATIONS OF SEDIMENT AND EROSION CONTROL MEASURES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL PROVIDE SILT FENCE, STONE CHECK DAMS AND/OR OTHER EROSION CONTROL MEASURES AS NEEDED OR DIRECTED BY THE ENGINEER OR TOWN STAFF TO ADEQUATELY PREVENT SEDIMENT TRANSPORT.
3. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE.
4. TOWN STAFF SHALL BE NOTIFIED PRIOR TO THE START OF CONSTRUCTION TO INSPECT SEDIMENTATION AND EROSION CONTROL MEASURES
5. THE CONTRACTOR SHALL INSPECT, REPAIR AND/OR REPLACE EROSION CONTROL MEASURES EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL OR SNOW MELT. SEDIMENT DEPOSITS MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS UPSLOPE ARE PERMANENTLY STABILIZED.
6. STAKED HAY BALE SILT BARRIERS AND/OR SILT FENCE SHALL BE INSTALLED AROUND ANY TEMPORARY STOCKPILE AREAS. TEMPORARY VEGETATIVE COVER MAY BE REQUIRED (SEE NOTES).
7. INLET SEDIMENTATION CONTROL DEVICES SHALL BE INSTALLED UNDER THE GRATES OF ALL NEW CATCH BASINS AT THE TIME OF INSTALLATION, AND UNDER THE GRATES OF EXISTING CATCH BASINS IN THE CONSTRUCTION AREA.
8. CONTINUOUS DUST CONTROL USING WATER OR APPROVED EQUAL SHALL BE PROVIDED FOR ALL EARTH STOCKPILES, EARTH PILED ALONG EXCAVATIONS, SURFACES OF BACKFILLED TRENCHES AND GRAVELED ROADWAY SURFACES. **THE USE OF CALCIUM CHLORIDE FOR DUST CONTROL SHALL BE PROHIBITED.**
9. IF DEWATERING IS NECESSARY DURING ANY TIME OF CONSTRUCTION A CLEAR WATER DISCHARGE SHALL BE PROVIDED.
10. ALL DISTURBED AREAS SHALL BE RESTORED PER THE SLOPE STABILIZATION AND PERMANENT VEGETATION DETAILS. ALL DISTURBED AREAS THAT ARE SLOPED LESS THAN THREE HORIZONTAL TO ONE VERTICAL (3:1) SLOPE SHALL BE LOAMED, SEEDED, FERTILIZED AND MULCHED PER THE PERMANENT VEGETATIVE COVER SPECIFICATIONS. EROSION CONTROL MATTING OR STABILIZED HYDROSEED SHALL BE PROVIDED ON ALL DISTURBED AREAS THAT ARE SLOPED MORE THAN THREE HORIZONTAL TO ONE VERTICAL (3:1).
11. IF FINAL SEEDING OF DISTURBED AREAS IS NOT TO BE COMPLETED BEFORE OCTOBER 15, THE CONTRACTOR SHALL PROVIDE TEMPORARY MULCHING (DORMANT SEEDING MAY BE ATTEMPTED AS WELL) TO PROTECT THE SITE AND DELAY PERMANENT SEEDING.
12. WHEN FEASIBLE, TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINISHED GRADED SHALL BE COMPLETED PRIOR TO OCTOBER 15.
13. ANY EROSION WHICH OCCURS WITHIN THE DISTURBED AREAS SHALL BE IMMEDIATELY REPAIRED AND STABILIZED. DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT SHALL BE RETURNED TO THE SITE. POST SEEDING, INTERCEPTED SEDIMENT, IF ANY, SHALL BE DISPOSED OF IN A MANNER APPROVED BY THE TOWN AND ENGINEER.
14. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL VEGETATION IS RE-ESTABLISHED OR SLOPES ARE STABILIZED AND REMOVAL IS APPROVED BY THE TOWN.
15. UNFORESEEN PROBLEMS WHICH ARE ENCOUNTERED IN THE FIELD SHALL BE SOLVED ACCORDING TO THE "2024 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION IN COOPERATION WITH THE CONNECTICUT DEEP.
16. THE OWNER'S REPRESENTATIVE SHALL BE RESPONSIBLE FOR THE EROSION AND SEDIMENTATION CONTROLS
WILLIAM P
P&H CONSTRUCTION
Cell: 860-848-2372
bill@pandhconstruction.com



PRODUCT NOTES:
1. EROSION CONTROL MATTING MUST BE LISTED ON THE LATEST CT DOT QUALIFIED PRODUCTS LIST UNDER CLASS 1: SLOPE PROTECTION, TYPE D.

NOTES:

1. HYDROSEED SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 9.50.3.b OF DOT FORM 818.
2. BONDED FIBER MATRIX (BPM) OR FLEXIBLE GROWTH MEDIA (FGM) MUST BE INCLUDED IN THE HYDROSEED SLURRY. MIX RATE PERCENTAGES SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR THE FINISHED SLOPE. THE FOLLOWING ARE ACCEPTABLE PRODUCTS:
 - A. PROFILE FLEXITERA FGM
 - B. PROFILE HYDRO-SLURRY BPM
 - C. MAT, INC. SOIL GUARD BONDED FIBER MATR
 - D. NORTH AMERICAN GREEN HYDRA GT OR HYDRA CM
3. THE REQUIRED SEED MIX SHALL BE IN ACCORDANCE WITH THE PERMANENT VEGETATIVE COVER NOTES.
4. SEED APPLICATION RATES SHALL BE INCREASED BY 10% FOR HYDROSEEDING.
5. THE CONTRACTOR SHALL ENSURE 100% COVERAGE OF THE DISTURBED SOIL.

Diagram illustrating a cross-section of a road construction. The diagram shows a central section of the road structure. The top layer is labeled "6" TOPSOIL PER PERMANENT VEGETATIVE COVER NOTES". Below this is a layer labeled "4" CLEAN FILL". The road structure is flanked by "UNDISTURBED AREA"s on both sides.

SLOPE STABILIZATION DETAILS
NOT TO SCALE

A TEMPORARY SEEDING OF RYE GRASS WILL BE COMPLETED WITHIN 15 DAYS OF THE FORMATION OF STOCKPILES. IF THE SOIL IN THE STOCKPILES HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS IT SHALL BE LOOSENED TO A DEPTH OF 2 INCHES BEFORE THE FERTILIZER, LIME AND SEED IS APPLIED. 10-10-10 FERTILIZER AT A RATE OF 7.5 POUNDS PER 1000 S.F. LIMESTONE AT A RATE OF 90 LBS. PER 1000 S.F. SHALL BE USED. RYE GRASS APPLIED AT A RATE OF 1000 S.F. SHALL BE SEEDING RYE GRASS AT A RATE OF 1000 S.F. VEGETATION FROM WEEDS AND COARSE MATTER SHALL BE USED AT A RATE OF 70-90 LBS. PER 1000 S.F. AS A TEMPORARY MULCH. APPLY MULCH AND DRIVE TRACKED EQUIPMENT UP AND DOWN SLOPE OVER ENTIRE SURFACE SO CLEAT MARKS ARE PARALLEL TO THE CONTOURS.

TOPSOIL WILL BE REPLACED ONCE THE EXCAVATIONS HAVE BEEN COMPLETED AND THE SLOPES ARE GRADED AS SHOWN ON THE PLANS. PROVIDE SLOPE PROTECTION AS CALLED FOR ON THE PLANS AND DETAILS. TOPSOIL SHALL BE SPREAD AT A MINIMUM COMPACTED DEPTH OF 6 INCHES. ONCE THIS HAS BEEN SPREAD, ALL STONES TWO INCHES OR LARGER IN ANY DIMENSION WILL BE REMOVED AS WELL AS DEBRIS.

- APPLY AGRICULTURAL GROUND LIMESTONE AT THE RATE OF TWO TONS PER ACRE OR 100 LBS. PER 1000 S.F.
- APPLY 10-10-10 FERTILIZER OR EQUIVALENT AT A RATE OF 300 LBS. PER ACRE OR 7.5 LBS. PER 1000 S.F.
- WORK LIMESTONE AND FERTILIZER INTO THE SOIL TO A DEPTH OF 4 INCHES.
- INSPECT SEEDBED BEFORE SEEDING.
- IF TRAFFIC HAS COMPACTED THE SOIL, RETILL COMPACTED AREAS.
- APPLY THE FOLLOWING GRASS SEED MIX:

THE NEW ENGLAND ROADSIDE MATRIX UPLAND SEED MIX BY NEW ENGLAND WETLAND PLANTS, INC.

APPLICATION RATE: 35 LBS/ACRE : 1,250 SF/LB. MIX IS DESIGNED FOR USE ALONG ROADS AND HIGHWAYS. THIS MIX CONTAINS NATIVE GRASSES, WILDFLOWERS, AND SHRUBS THAT ARE BLENDED TOGETHER AS A NATIVE MATRIX SEED MIX. IN AREAS THAT RECEIVE FREQUENT MOWING, THE COLD SEASON GRASSES WILL DOMINATE, SUCH AS THOSE AREAS CLOSER TO THE ROADWAY SHOULDER. IN AREAS FURTHER FROM THE ROADWAY, THE MIX WILL BE MOWN ONLY ONCE EACH YEAR, OR IN HARD-TO-MOW AREAS, SUCH AS AROUND SIGNPOSTS, THE WILDFLOWER COMPONENT WILL BECOME DOMINANT. ALONG CUTS AND SIDE SLOPES WHICH MAY NEVER BE MOWN, THE SHRUB COMPONENT WILL ADD DIVERSITY AND BEAUTY TO THE ROADSIDE PLANTINGS. IT IS A PARTICULARLY APPROPRIATE SEED MIX FOR ROADSIDES, INDUSTRIAL SITES, OR CUT AND FILL SLOPES. THIS MIX MAY BE HYDROSEEDING, OR BY MECHANICAL SPREADER, ALONG OR UPON A CLEAN, WEED-FREE SEED BED. AFTER SOWING, LIGHTLY RAKE THE ROLL OF MIX TO IMPROVE CONTACT WITH THE SEED BED. BEST RESULTS ARE OBTAINED WITH A MID-LATE SPRING SEEDING. SUMMER SEEDING WILL BENEFIT FROM A LIGHT MULCHING OF CLEAN, WEED-FREE STRAW TO CONSERVE SOIL MOISTURE.

CT DEP SEED MIX NO. 26	<u>LBS./ACRE</u>	<u>LBS./1000 S.F.</u>
SWITCHGRASS (BLACKWELL, SHELTER, CAVE-IN-ROCK)	4.0	0.10
BIG BLUESTEM (NIAGRA, KAW)	4.0	0.10
LITTLE BLUESTEM (BLAZE, ALDOUS, CAMPER)	2.0	0.05
SAND LOVEGRASS (NE-27, BEND)	1.5	0.03
BIRD'S-FOOT TREFLOIL (EMPIRE VIKING)	2.0	0.05
	<u>13.5</u>	<u>0.33</u>

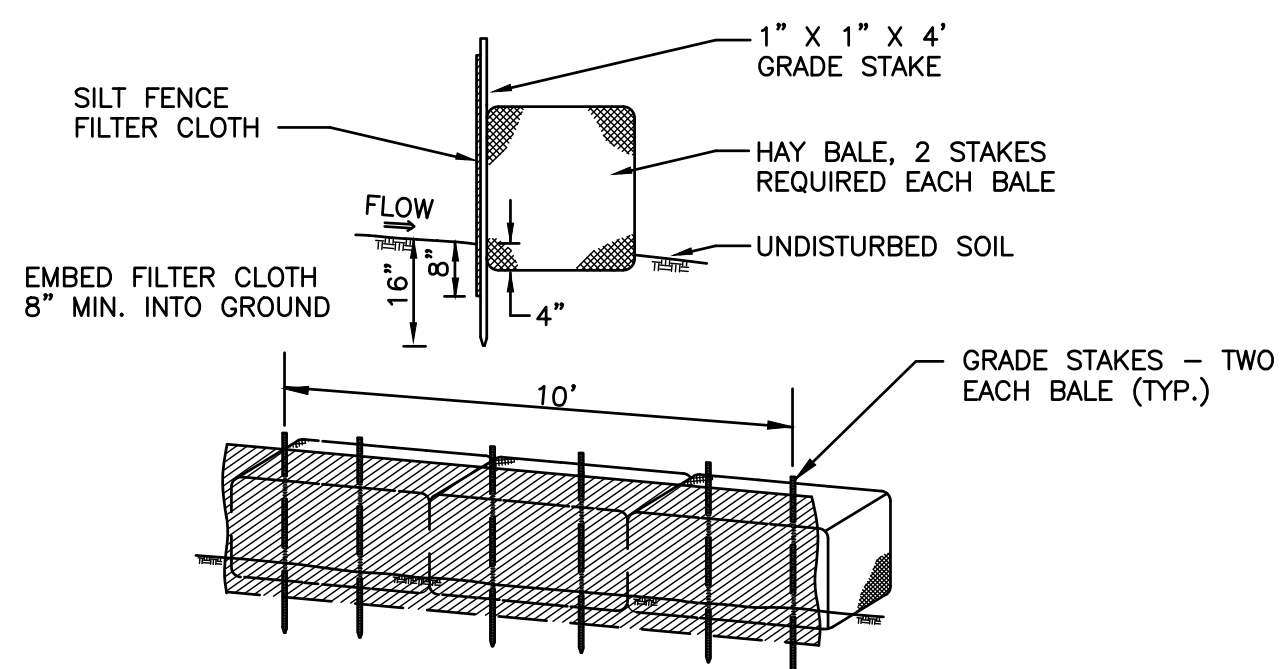
THE RECOMMENDED SEEDING DATES ARE:
APRIL 1 - JUNE 15 AND AUGUST 15 - OCTOBER 15

IMMEDIATELY FOLLOWING SEEDING, FIRM SEED BED WITH A ROLLER AND MULCH WITH WEED FREE STRAW. IF PERMANENT VEGETATIVE COVER IS HAS NOT BEEN ESTABLISHED BY OCTOBER 15, APPLY A TEMPORARY VEGETATIVE COVER ON THE TOPSOIL.

SEED MIXTURE FOR SETTLING BASINS SHALL BE THE "NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR MOIST SITES" FROM NEW ENGLAND WETLAND PLANTS, AMHERST, MA, TELEPHONE NO. 413-548-8000

THE BEST RESULTS ARE OBTAINED WITH A SPRING SEEDING. SUMMER AND FALL SEEDING REQUIRE A LIGHT MULCHING OF WEED FREE STRAW TO CONSERVE MOISTURE. LATE FALL AND WINTER DORMANT SEEDING REQUIRE A 10% INCREASE IN THE SEEDING RATE. FERTILIZATION IS NOT REQUIRED UNLESS THE SOILS ARE PARTICULARLY INFERTILE.

NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DETENTION BASINS AND MOIST SITES	35	0.80
SPECIES: Virginia Wild Rye, (<i>Elymus virginicus</i>), Creeping Red Fescue, (<i>Festuca rubra</i>), Little Bluestem, (<i>Schizachyrium scoparium</i>), Big Bluestem, (<i>Andropogon gerardi</i>), Fox Sedge, (<i>Carex vulpinoidea</i>), Switch Grass, (<i>Panicum virgatum</i>), Rough Bentgrass, (<i>Agrostis scabra</i>), New England Aster, (<i>Aster novae-angliae</i>), Boneset, (<i>Eupatorium perfoliatum</i>), Grass Leaved Goldenrod, (<i>Euthamia graminifolia</i>), Green Burdock, (<i>Scirpus atrovirens</i>), Blue Vervain, (<i>Verbena hastata</i>), Soft Rush, (<i>Juncus effusus</i>), Wool Grass, (<i>Scirpus cespitosus</i>)		



1. SILT FENCE FILTER CLOTH TO BE SECURELY FASTENED TO GRADE STAKE WITH STAPLES, 6" ON CENTER.
2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN ONE ANOTHER THEY SHALL OVERLAP BY 6" AND BE FOLDED.
3. BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.

NOT TO SCALE

APPROVED BY THE MONTVILLE PLANNING AND ZONING COMMISSION

FINAL APPROVAL: _____

CHAIRMAN SIGNATURE _____ DATE _____

DATE OF APPROVAL: _____

EXPIRATION DATE: _____

BURNING CONSTRUCTION

1. **POLLUTION PREVENTION TEAM:**
THE CONTRACTOR SHALL BE RESPONSIBLE FOR CARRYING OUT THE PROVISIONS OF THIS PLAN.
2. **SWEEPING:**
PARKING LOTS, SIDEWALKS AND OTHER IMPERVIOUS SURFACES BEYOND THE WORK SITE SHALL BE SWEEPED CLEAN OF SAND, SILT AND LITTER DAILY AT THE END OF THE WORK DAY.
3. **OUTSIDE STORAGE:**
ACCESSORIES OR EQUIPMENT STORED OUTSIDE SHALL BE COVERED OR MAINTAINED TO MINIMIZE POSSIBILITY OF THESE MATERIALS OR THEIR RESIDUE PASSING TO STORM WATER.
4. **WASHING:**
NO WASHING OF VEHICLES, ACCESSORIES, EQUIPMENT, OR APPLIANCES IN WORK SITE.
5. **MAINTENANCE AND INSPECTION:**
 - A. THE CONTRACTOR SHALL INSPECT, REPAIR AND/OR REPLACE EROSION CONTROL MEASURES EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY RAINFALL OF 1/2" OR MORE, OR SIGNIFICANT SNOW MELT.
 - B. SEDIMENT DEPOSITS MUST BE REMOVED AND DISPOSED OF WHEN THEY REACH THE FOLLOWING LEVELS:
 - SILT FENCE OR SILT BARRIER: ONE HALF THE HEIGHT OF THE SILT FENCE OR HAY BALE BARRIER.
 - INLET SEDIMENT CONTROL DEVICES (SILT SACKS): ONE HALF THE STORAGE VOLUME OF THE DEVICE OR WHEN THE RESTRAINT CORD IS NO LONGER VISIBLE.
 - STONE CHECK DAMS AT INLETS: ONE HALF OF THE TEMPORARY SEDIMENT POOL HEIGHT.
 - C. DAILY DUST CONTROL USING WATER OR APPROVED EQUAL SHALL BE PROVIDED FOR ALL EARTH STOCKPILES, EARTH PILED ALONG EXCAVATIONS, SURFACES OF BACKFILLED TRENCHES AND GRAVELED SURFACES.
 - D. SILT FENCE AND INLET SEDIMENT CONTROL DEVICES SHALL BE REPLACED WITH RIPS OR DETERIORATION IN THE GEOTEXTILE FABRIC ARE FOUND ON INSPECTION. HAY BALES SHALL BE REPLACED IF THEY ARE DETERIORATED OR DISPOSED OF AT THE POINT WHERE THEY HAVE LOST STRUCTURAL INTEGRITY. CRUSHED STONE SHALL BE REMOVED AND REPLACED IF SILT HAS ACCUMULATED WITH THE STONE VOIDS TO PREVENT THE PASSAGE OF WATER THROUGH THE STONE.
6. **SPILLS OR ACCIDENTAL DISCHARGES:**
 - A. COMPLY WITH STATE AND FEDERAL REGULATIONS TO CONTAIN AND CLEAN UP ANY SPILL OR DISCHARGE AND DISPOSE OF MATERIALS AT AN APPROVED FACILITY.
 - B. CONTACT CONNECTICUT DEEP OIL AND CHEMICAL SPILL RESPONSE DIVISION (860) 424-3338
 - C. THE FOLLOWING STEPS SHOULD BE PERFORMED AS SOON AS POSSIBLE:
 - STOP AT THE SOURCE OF THE SPILL
 - CONTAIN THE SPILL
 - COVER SPILL WITH ABSORBENT MATERIAL SUCH AS KITTY LITER, SAWDUST OR OIL ABSORBENT PADS. DO NOT USE STRAW.
 - DISPOSE OF ABSORBER IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.

3. PREVENTION PLAN:
THE OWNERS SHALL BE RESPONSIBLE FOR CARRYING OUT THE PROVISIONS OF THIS PLAN.

2. SWEEPING:
PARKING LOTS, SIDEWALKS AND OTHER IMPERVIOUS SURFACES SHALL BE SWEEPED CLEAN OF SAND AND LITTER AND ANY OTHER POLLUTANTS AT LEAST TWICE PER YEAR.
A. BETWEEN NOVEMBER 15 AND DECEMBER 15 (AFTER LEAF FALL)
B. DURING APRIL (AFTER SNOW MELT)

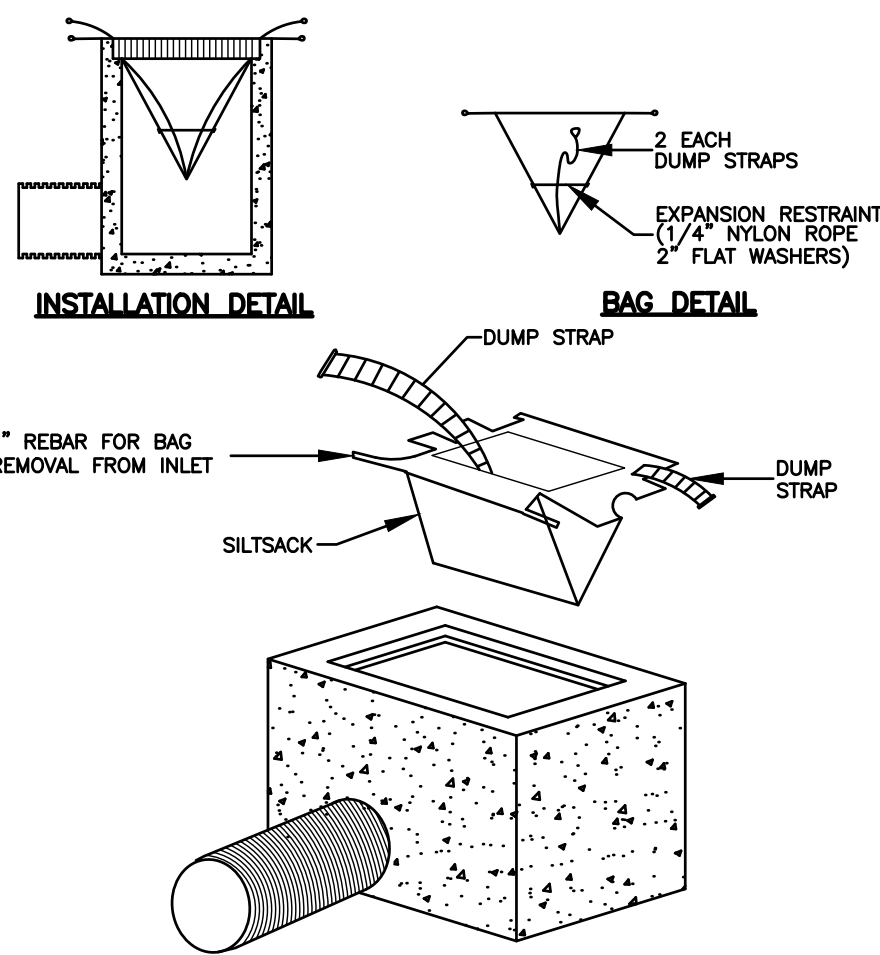
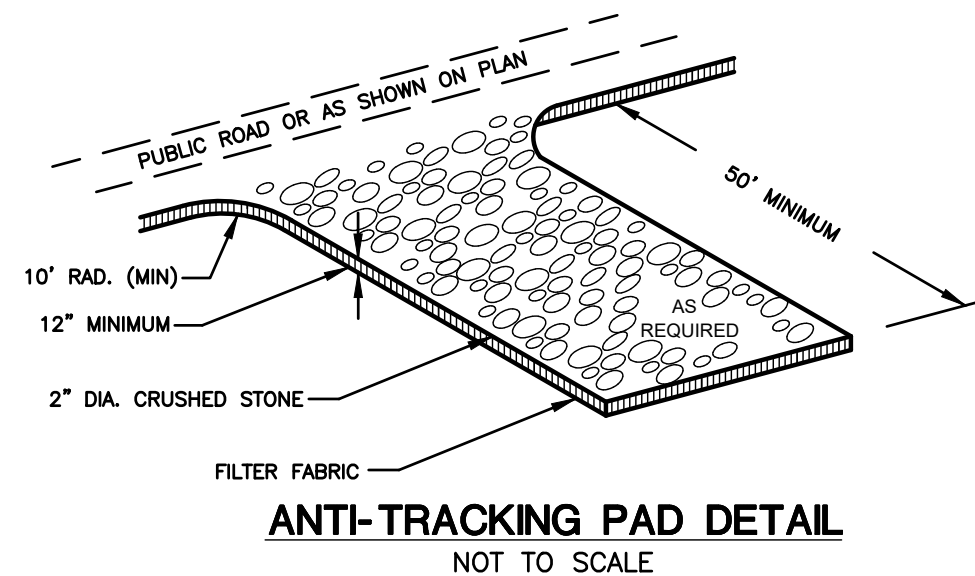
3. OUTSIDE STORAGE:
ACCESSORIES OR EQUIPMENT STORED OUTSIDE SHALL BE COVERED OR MAINTAINED TO MINIMIZE POSSIBILITY OF THESE MATERIALS OR THEIR RESIDUE PASSING TO STORM WATER.

4. WASHING:
NO WASHING OF VEHICLES, ACCESSORIES, EQUIPMENT OR APPLIANCES IN PARKING AREAS.

5. MAINTENANCE AND INSPECTION:
SEE OPERATIONS AND MAINTENANCE SCHEDULE

6. SPILLS OR ACCIDENTAL DISCHARGES:
A. COMPLY WITH STATE AND FEDERAL REGULATIONS TO CONTAIN AND CLEAN UP ANY SPILL OR DISCHARGE AND DISPOSE OF MATERIALS AT AN APPROVED FACILITY.
B. CONTACT CONNECTICUT DEEP OIL AND CHEMICAL SPILL RESPONSE DIVISION (860) 424-3338
C. THE FOLLOWING STEPS SHOULD BE PERFORMED AS SOON AS POSSIBLE:
STOP THE SOURCE OF THE SPILL

- CONTAIN THE SPILL
- COVER SPILL WITH ABSORBENT MATERIAL SUCH AS KITTY LITER, SAWDUST OR OIL ABSORBENT PADS. DO NOT USE STRAW.
- DISPOSE OF ABSORBENT IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.



NOTE:
TO BE PROVIDED IN ALL NEW CATCH BASINS AT THE TIME OF INSTALLATION
AND WITHIN BASINS ADJACENT TO THE WORK AREA PRIOR TO THE START
OF CONSTRUCTION

Maintenance Schedule for Trailer Storage Areas	
Activity	Schedule
Sweep parking lots & impervious areas	<ul style="list-style-type: none"> Between November 15th and December 15th (after leaf fall) During April (after snow melt)
Remove and dispose of trash and debris onsite	Daily - As needed maintenance

Maintenance Schedule for Qualifying Pervious Area (QPA)	
Activity	Schedule
Sweep impervious areas	<ul style="list-style-type: none"> Between November 15th and December 15th (after leaf fall) During April (after snow melt)
Inspect QPA for erosion and loss of vegetation	Annually - As needed maintenance
Remove and dispose of trash and debris onsite	Annually - As needed maintenance

				CLA Engineers, Inc. CIVIL • STRUCTURAL • SURVEYING	
				317 Main Street Norwich, CT 06360 (860) 886-1966 Fax (860) 886-9165	
No.	DATE	REVISION			
FOR PERMITTING ONLY NOT FOR CONSTRUCTION		RAND-WHITNEY REALTY, LLC		Project No. CLA-7767F	
		PROPOSED TRAILER STORAGE 375 MAPLE AVENUE & ROUTE 163 MONTVILLE, CT		Proj. Engineer D.P.H.	
				Date: 12/16/24	
				Sheet No. 7	
		E&S NOTES & DETAILS			

