North

N/F JOSEPH ASHMORE

EXIST. BROWNSTONE W/IRON PIPE

N/F RIVER BEND ASSOCIATES, INC.

N 11°11'18" W 66.88'

LIMIT OF WETLANDS

#2 #3 #4 #5 #8 #9 #10 #11

APPROXIMATE LOCATION OF FUTURE WALKING BRIDGE

PROPOSED LIMIT OF CLEARING

PROPOSED 8"Ø SEDIMENT LOG (TYPICAL) (SEE DETAIL)

PROPOSED 4' WIDE WALKING TRAIL UTILIZE TRUGRID PRO PLUS WITH GRAVEL INFILL. (SEE DETAIL)

PROPOSED TRAIL ENTRANCE SIGNS (2 EACH)

PROPOSED 4' WIDE WALKING TRAIL UTILIZE TRUGRID PRO PLUS WITH GRAVEL INFILL. (SEE DETAIL.)

PROPOSED GRASS LINED SWALE (SEE DETAIL)

PROPOSED LOAM & STOCKPILE

INSTALL 12" DEPTH MODIFIED GRADE RIP-RAP UNDERLAIN WITH NON-WOVEN FILTER FABRIC (4' x 4' OVERALL SIZE)

INSTALL WATERBAR (SEE DETAIL)

INSTALL 12" DEPTH MODIFIED GRADE RIP-RAP UNDERLAIN WITH NON-WOVEN FILTER FABRIC (6' x 12' OVERALL SIZE)

R50.0' R21.5' R28.5' R18.0' R20.0' R14.5' R18.5' R9.0'

172.18' N 83°01'38" W

N 15°07'52" E 42.23'

53.57' N 73°38'38" W

211.94' N 49°18'38" W

FLOOD ELEVATION =162.5

BARBED WIRE FENCE

N/F DALE A. & TORRIE L. YOUNG

EXISTING TREELINE

EROSION AND SEDIMENTATION CONTROL NOTES:

1. ADDITIONAL EROSION CONTROLS MAY BE REQUIRED AT THE DIRECTION OF THE DESIGN ENGINEER.
2. ALL DISTURBED AREAS SHALL BE STABILIZED WITH LOAM, SEED AND EROSION CONTROL FABRIC.
3. INSTALL WOOD CHIP WIND-ROW FROM CLEARING OPERATION TO BACK-UP SEDIMENT LOGS

Maintenance of Erosion and Sediment Controls

(PS) 1. **Permanent Seeding (PS)**
Inspect permanent seeding at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inch or greater during the first growing season. Repair eroded areas as needed to control erosion with existing erosion controls or add additional erosion controls.

(WB) 2. **Water Bar (WB)**
a. Span the water bar completely across the access way or roadway.
b. Inspect and perform any repair work at the end of each day that water bar is exposed to vehicular traffic and with 24 hours of the end of a storm with rainfall amount of 0.5 inch or greater.

(MS) 3. **Mulch for Seed (MS)**
Application of mulch to protect soil surface and promote the establishment of seeding. See Maintenance Notes for inspection requirements.

(SL) 4. **Sediment Log (SL)**
Inspect the sediment log at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inch or greater. Inspection of sediment log prior to large anticipated storms is also recommended.

(ECB) 5. **Erosion Control Blanket (ECB)**
Inspect erosion control blanket at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater for failures. Re-install the blanket as necessary until entire site is stabilized.

UTILITY NOTE:
LOCATION OF UNDERGROUND UTILITIES DEPICTED HEREON ARE BASED UPON FIELD SURVEY OF VISIBLE SURFACE STRUCTURES SUCH AS CATCH BASINS AND MANHOLES, TOGETHER WITH RECORD MAPPING OBTAINED FROM UTILITY COMPANIES AND GOVERNMENTAL AGENCIES AS NOTED UNDER MAP REFERENCES. THESE LOCATIONS MUST BE CONSIDERED APPROXIMATE IN NATURE. IN ADDITION, OTHER UTILITIES MAY ALSO EXIST, UNKNOWN TO THE SURVEYOR. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-922-4455.

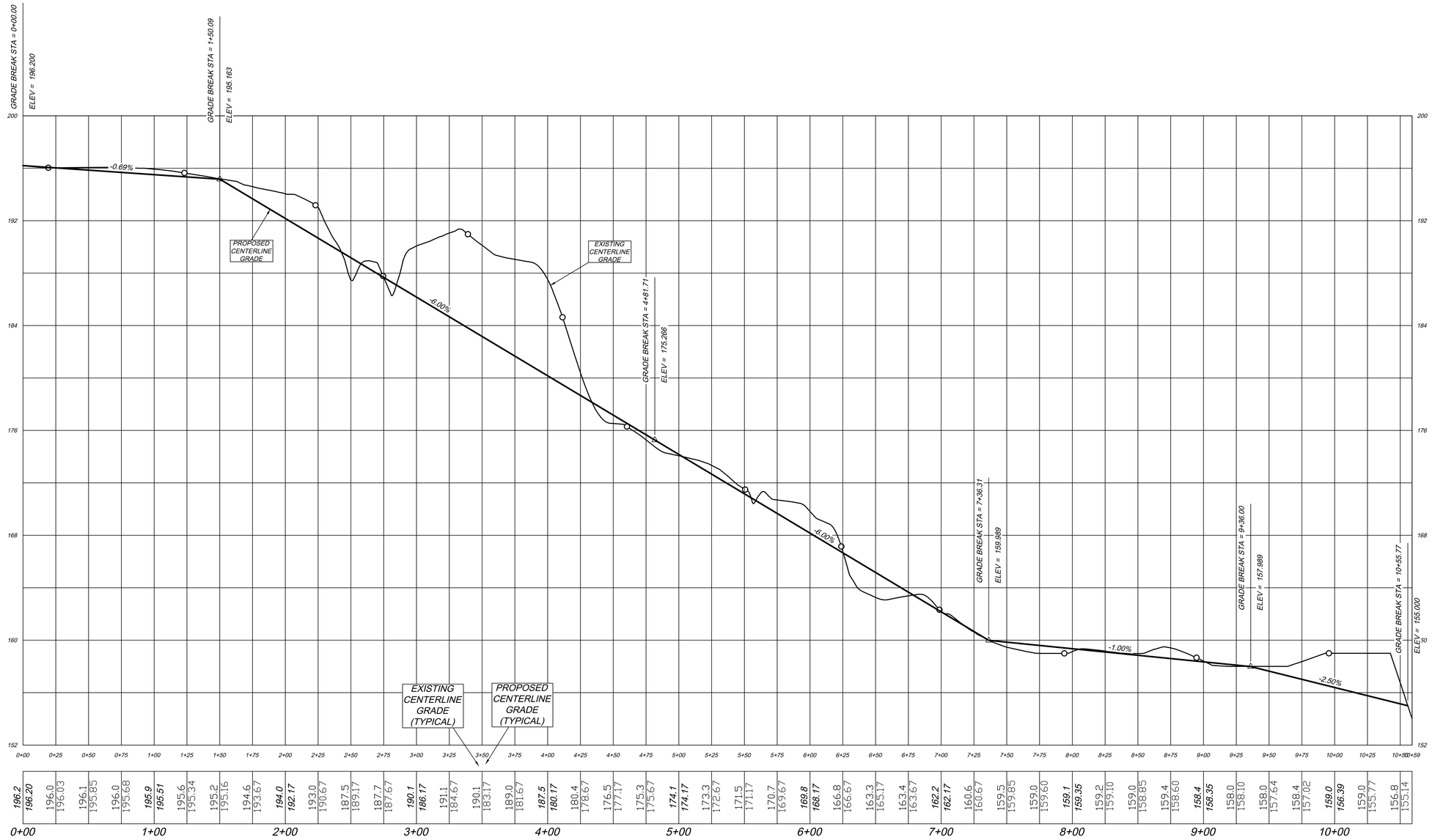
GRAPHIC SCALE
20 10 0 20 40
1 Inch = 20 Feet

PREPARED FOR:
East Granby Land Trust
P.O. Box 39
East Granby, CT 06026

R. R. HILTBRAND Engineers and Surveyors

PROPOSED WALKING TRAIL AT SEYMOUR ELEMENTARY SCHOOL
#185 Hartford Avenue
East Granby, Connecticut
April 7, 2022

R. R. HILTBRAND ENGINEERS and SURVEYORS, LLC
21 Copper Hill Road Granby, CT 06035 (860) 986-3617



PROPOSED WALKING TRAIL ~ PROFILE

Scale: 1" = 40' Horizontal ~ 1" = 4' Vertical

PREPARED FOR:

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Site Description

The project site is the located at Seymour Elementary School, #185 Hartford Avenue (a.k.a. Conn. Rte. 189) in East Granby, Connecticut. The total area of the property is approximately 14.6 acres. The site consists mostly of grass meadow and wooded slope in which the lower wooded area is flood plain. The remainder of the property is developed area to include the Seymour Elementary School and the adjacent parking areas.

Narrative

The proposed project is to install a four (4) feet wide hiking trail used to educate students about nature, especially about native plant species as well as trees, shrubs, and wildlife. It will provide contiguous access the East Granby Land Trust Property through a small walking bridge, which is located across a small watercourse at the westerly limit of the Town of East Granby's property.

The trail will commence at the westerly limit of the grassed athletic field and will proceed into the existing wooded area, down the wooded slope and enter the wooded flood plain area at the toe of the embankment.

The proposed trail within the wooded flood plain area will either match existing grade or provide a small cut area. The cut volume provided by the proposed grading associated with the hiking trail grading will provide a net increase in flood storage volume of 110 cubic yards.

A grass-lined drainage swale is proposed at the top of the existing embankment to reduce the amount of run-off onto the proposed hiking trail, and to limit the amount of clearing and disturbance required to achieve the required access. In an effort to reduce erosion and maintain the integrity of the hiking trail we have specified the TrueGrid Permeable Paving System. The recycled plastic grid is installed on a compacted subgrade, staked in place to prevent movement, and filled with ¾-inch crushed stone. This will reduce the potential run-off during rain events, promote infiltration and groundwater recharge.

Sediment and Erosion Control sequencing and measures will be accomplished in three phases.

Phase I: Clearing of trees to provide access.

Phase II: Installation of erosion and sedimentation control measures with maintenance.

Phase III: Permanent site stabilization.

Erosion Control Goals:

Site-specific erosion and sedimentation control goals are to designed to prevent adversely impacting the existing wetlands/watercourses, the surrounding properties, the existing flood plain area located at the westerly portion of the property.

Design Criteria:

1. 2002 Connecticut Guidelines for Erosion and Sediment Control, Conn. DEP Bulletin 34.

Permits and Application Information:

a. Review/Approval from the Town of East Granby Inland Wetlands & Watercourses Commission.

Document and Support Information:

a. Field topographic survey completed by Aeschliman Land Surveying, P.C. Registered Professional Land Surveyors.

b. Civil-Site Engineering design prepared by R.R. Hiltbrand Engineers & Surveyors, L.L.C.

Conservation Practices:

a. Keep land disturbances to a minimum to accommodate the proposed hiking trail construction.
b. Preservation of existing surface drainage patterns.
c. Direct runoff from disturbed areas to perimeter controls. Utilize undisturbed vegetated buffers to reduce the potential for concentrated flows and increase settling and filtering of sediments.
d. Install erosion and sedimentation control measures as shown on the plan entitled, Proposed Walking Trail at Seymour Elementary School.
e. Implement a maintenance program for inspection and repair/maintenance of erosion and sedimentation control measures (See E & S Control measures Plan).

Construction Sequence

Pre-Construction Tasks:

1. Call Before You Dig 1-800-922-4455.
2. Hold a pre-construction meeting with Contractor, Design Engineer, and the appropriate representatives from the Town of East Granby and the East Granby Land Trust to discuss project phasing, installation of erosion control measures, and maintenance.

Phase I:

1. Surveyor shall flag the limit of clearing as shown on the Site Plan
2. Install perimeter erosion and sedimentation control measures as shown on plans.
3. Notify representative from the Town of East Granby for site review prior to further construction.

Phase II:

1. Remove trees, stump, and grub areas as required.
2. Strip topsoil in areas where grading is required.
3. Stabilize areas immediately upon completion of grading (See Note #3 within Phase III below).
4. Install the hiking trail as shown on the Site Plan.
5. Grade embankments as shown on Site Plan.
6. Install waterbars/rip-rap outfalls at designated areas.

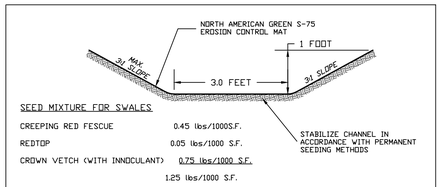
Phase III:

1. Grade, loam, seed, and mulch embankments in each area of the hiking trail completed to minimize potential erosion. (See Site Plan for mulching requirements, which vary throughout the site).
2. Grade, loam, seed, and mulch the remainder of the embankments for final stabilization.
3. Maintain all erosion & sedimentation control measures until the site is stabilized with a permanent vegetative cover.
4. Add erosion & sedimentation control measures per the Design Engineer and/or the Town of Granby staff.
5. Remove erosion controls upon final stabilization.

NOTE: DETAILS FOR EROSION & SEDIMENTATION CONTROL MEASURES ARE LOCATED IN THIS PLAN SET.

Recommended inspection and maintenance of the erosion & sedimentation control measures shall be as follows:

1. Inspect daily and within 24 hours of a major storm event (0.5 inch of rainfall or greater).
2. Remove accumulated sediment if it interferes with the functioning of the erosion & sedimentation control measures.
3. Contractor shall install additional erosion & sedimentation controls as required by the Town of East Granby staff and/or the Design Engineer.

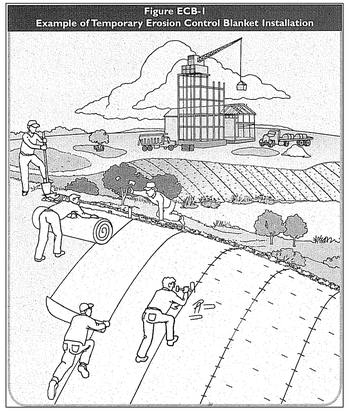


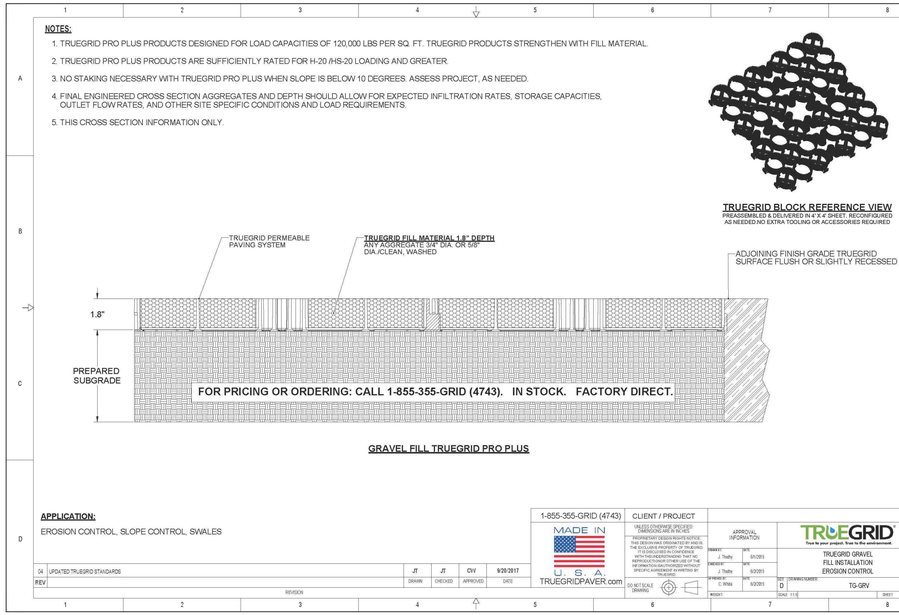
SEED MIXTURE FOR SWALES

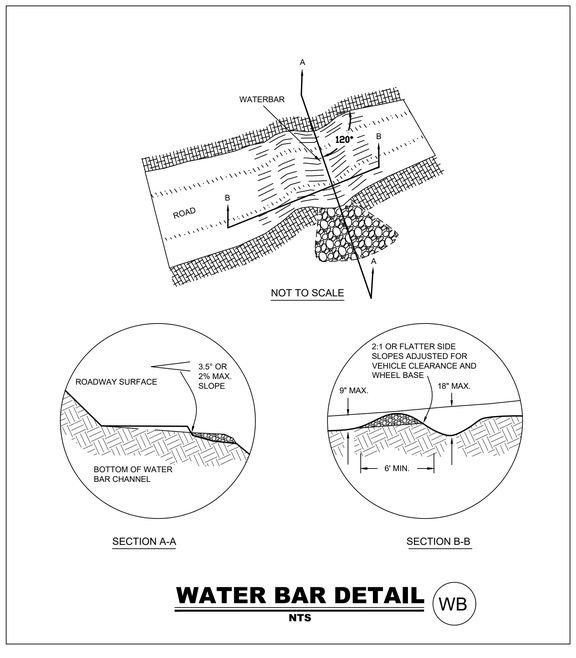
CREEPING RED FESCUE	0.45 lbs/1000S.F.
REDTOP	0.05 lbs/1000 S.F.
CROWN VETCH (WITH INNOCULANT)	0.75 lbs/1000 S.F.
	1.25 lbs/1000 S.F.

PERMANENT LINED GRASS CHANNEL

N.T.S.



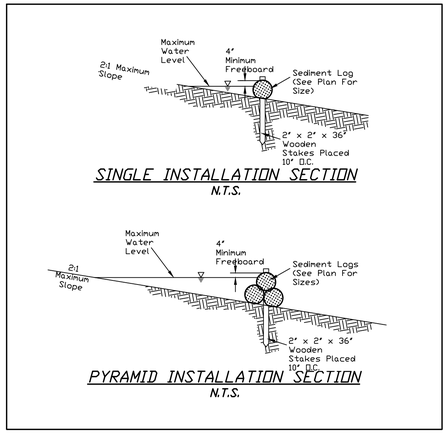




WATER BAR DETAIL

NTS

WB



SEDIMENT LOG

N.T.S.

PREPARED FOR:

East Granby Land Trust
P.O. Box 39
East Granby, CT 06026

R.R. HILTBRAND Engineers and Surveyors

SITE DETAILS
PROPOSED WALKING TRAIL
AT SEYMOUR ELEMENTARY SCHOOL
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April 7, 2022

R. R. HILTBRAND ENGINEERS and SURVEYORS, LLC
21 Copper Hill Road Granby, CT 06035 (860) 986-3617

DESIGN REFERENCE:

SEDIMENT & EROSION CONTROL BASED ON 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL D.E.P. BULLETIN 34 BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION.

Erosion & Sediment Controls and Stabilization Practices

a. Temporary seeding.
b. Mulching.
c. Stone Rip-rap.

During construction, sheet runoff from the site will be filtered through hay bale barriers and silt fences. All storm drain inlets shall be provided with barrier filters. Stone rip-rap shall be provided at the outlets of drainage pipe in which erosive velocities are encountered.

Off Site Vehicle Tracking

Stabilized construction entrances will be installed at all proposed entrances.

Installation, Maintenance and Inspection Procedures of Erosion & Sediment Controls

A. General-

These are the general inspection and maintenance practices that will be used to implement the plan.

- The smallest practical portion of the site will be denuded at one time.

- All erosion control measures will be inspected at least once a week and following any storm event of 0.25 inches or greater.

- All measures will be maintained in good working order; if a repair is necessary, it will be initiated within 24 hours of the report.

- Built up sediment will be removed from the silt fence or hay bale barriers when it has reached one third the height of the of the Fence or barrier.

- A maintenance inspection report will be made after each inspection.

- The contractor's site superintendent will be responsible for inspections, maintenance and repair activities, and completing the inspection and maintenance report.

- R.R. Hiltbrand Engineers & Surveyors shall inspect the site on a periodic basis to assure compliance with the plan.

B. Filters -

1. Straw/ hay bales
   a. Sheet Flow Applications
      1. Bales shall be placed in a single row , lengthwise on the contour, with the ends of the adjacent bales tightly abutting one another.
      2. All bales shall be either wire bound or string tied. Bales shall be installed so that the bindings are oriented around the sides rather than along the tops and bottoms of the bales to prevent deterioration of the bindings.
      3. The barrier shall be entrenched and backfilled. A trench shall be excavated the width of a bale and the length of the proposed barrier to a minimum depth of (4) inches. After the bales are staked and chinked, the excavated soil shall be backfilled against the barrier. Backfill soil shall conform to the ground level on the downhill side and shall be built-up to (4) inches against the uphill side of the barrier. Ideally, bales should be placed ten (10) feet away from the toe of slope.
      4. Each bale shall be securely anchored by at least two (2) stakes or rebars driven through the bale. The first stake in each bale shall be driven toward the previously laid bale to force the bales together. Stakes and rebars shall be driven deep enough into the ground to securely anchor the bales.
      5. The gaps between bales shall be chinked (filled by wedging) with straw/hay to prevent water from escaping between the bales.
2. Silt Fence
   a. Synthetic filter fabric shall be a pervious sheet of propylene, nylon, polyester or ethylene yarn and shall be certified by the manufacturer or supplier as conforming to the following requirements.

Physical Property Test Requirements

Filtering Efficiency ASTM 5.41 75% minimum

Grab Tensile Strength ASTM D4632 100lbs.

Elongation & Failure ASTM D4632 15%

Puncture Strength
ASTM 4833 50 lbs.

Flow Rate ASTM D4491 0.2gal./ft2/min.

Ultra-Violet Radiation Stability % ASTM D4355 70% after 500 hours of exposure

b. The height of a silt fence shall not exceed thirty (30) inches above grade.

c. The filter fabric shall be purchased in a continuous roll cut to the length of the barrier to avoid the use of joints. When joints are necessary, filter cloth shall be spliced together only at the support posts, with a min. six (6) inch overlap, and securely sealed.

d. Posts shall be spaced a maximum of ten (10) feet apart at the barrier location and driven securely into the ground (min. of 12 inches).

e. A trench shall be excavated approximately six (6) inches wide and six (6) inches deep along the line of posts and upslope from the barrier.

f. When 'standard strength' filter fabric is used, a wire mesh support fence shall be fastened securely to the upslope side of the posts using heavy duty wire staples at least one inch long, tie wires or hog rings. The wire shall extend no more than 30 inches above the original ground surface.

g. The 'standard strength' filter fabric shall be stapled or wired to the fence, and eight (8) inches of the fabric shall be extended into the trench. The fabric shall not extend more than 30 inches above the original ground surface.

h. When 'extra strength' filter fabric and closer post spacing are used, the wire mesh support fence may be eliminated. In such a case the filter fabric is stapled or wired directly to the posts with all other provisions of item 'g' applying.

i. The trench shall be backfilled and the soil compacted over the filter fabric.

j. Silt fences shall be removed when they have served their useful purpose, but not before the upslope areas have been permanently stabilized.

Sequence of Installation

Sediment barriers shall be installed prior to any soil disturbance of the contributing drainage area above them.

Maintenance

a. Straw/ hay bale barrier and silt fence barriers shall be inspected immediately after each rainfall and at least daily during prolonged rainfall. They shall be repaired if there are any signs of erosion or sedimentation below them. Any required repairs shall be made immediately. If there are signs of undercutting at the center or the ends, or impounding of large volumes of water behind them, sediment barriers shall be replaced with a temporary check dam.

b. Should the fabric on a silt fence or filter barrier decompose or become ineffective prior to the end of the expected usable life and the barrier still is necessary, the fabric shall be replaced promptly.

c. Sediment deposits should be removed after each storm event. They must be removed when deposits reach approximately (1/3) the height of the barrier.

d. Any sediment deposits remaining in place after the silt fence or filter barrier is no longer required shall be dressed to conform to the existing grade, prepared and seeded.

C. Mulching

1. Timing

In order for mulch to be effective, it must be in place prior to major storm events There are two (2) types of standards which shall be used to assure this.

a. Apply mulch prior to any storm event.

This is applicable when working within 100 feet of wetlands. It will be necessary to closely monitor weather predictions, usually by contacting the National Weather Service in Massachusetts (508- 822- 0634), to have adequate warning of significant storms.

b. Required mulching within a specified time period.

The time period can range from 14 to 21 days of inactivity on an area, the length of time varying with site conditions. Professional judgment shall be used to evaluate the interaction of site conditions (soil erodibility, season of year, extent of disturbance, proximity to sensitive resources, etc.) and the potential impact of erosion on adjacent areas to choose an appropriate time restriction.

2. Guidelines for winter mulch application.

When mulch is applied to provide protection over winter (past the growing season) it shall be at a rate of 6000 lb. of hay or straw per acre. A tackifier may be added to the mulch.

3. Maintenance

All mulches must be inspected periodically, in particular after rain storms, to check for erosion. If less than 90% of the soil surface is covered by mulch, additional mulch shall be immediately applied.

D. Temporary Grass Cover

1. Seedbed Preparation

Apply fertilizer at the rate of 300 lb. / acre of 10-10-10. Apply limestone (equivalent to 50% calcium plus magnesium oxide) at a rate of (1) tons/ acre.

2. Seeding

a. Utilize annual rye grass at a rate of 40 lb./ acre.

b. Where the soil has been compacted by construction operations, loosen soil to a depth of two (2) inches before applying fertilizer, lime and seed.

c. Apply seed uniformly by hand, cyclone seeder, or hydroseeder (slurry including seed and fertilizer). Hydroseedings, which include mulch, may be left on soil surface. Seeding rates must be increased 10% when hydroseeding.

3. Maintenance

Temporary seedings shall be periodically inspected. At a minimum, 95% of the soil surface shall be covered by vegetation. If any evidence of erosion or sedimentation is apparent, repairs shall be made and other temporary measures used in the interim (mulch, filter barriers, check dams, etc.).

E. Permanent Grass Cover

1. Seedbed Preparation

Apply fertilizer at the rate of 300 lb. / acre of 10-10-10. Apply limestone (equivalent to 50% calcium plus magnesium oxide) at a rate of (1) tons/ acre.

2. Seeding

	Lbs./1,000 Sq. Ft.
a. Utilize Creeping Red Fescue (Pennlawn, Wintergreen)	.45
Redtop (Streeker, Common)	.10
Tall Fescue (Kentucky 31 or Smooth Bromegrass (Saratoga, Linco	1.00

b. Where the soil has been compacted by construction operations, loosen soil to a depth of two (2) inches before applying fertilizer, lime and seed.

c. Apply seed uniformly by hand, cyclone seeder, or hydroseeder (slurry including seed and fertilizer). Hydroseedings, which include mulch, may be left on soil surface. Seeding rates must be increased 10% when hydroseeding.

F. Storm Drain Inlet Protection

1. Straw Bale Inlet Structure

a. Bales shall be either wire bound or string tied with the bindings oriented around the sides rather than over and under the bales.

b. Bales shall be placed lengthwise in a single row surrounding the inlet, with the ends of adjacent bales pressed together.

c. The filter barrier shall be entrenched and backfilled. A trench shall be excavated around the inlet the width of a bale to a minimum depth of four (4) inches. After the bales are staked, the excavated soil shall be backfilled and compacted against the filter barrier.

d. Each bale shall be securely anchored and held in place by at least two (2) stakes or rebars driven through the bale.

e. Loose straw shall be wedged between bales to prevent water from entering between bales.

F. Stabilized Construction Entrance

1. Specifications

a. Aggregate Size: Use two (2) inch stone. (Gradation Shall Be D.O.T. No. 3)

b. Aggregate thickness: Not less than six (6) inches.

c. Width: Ten (10) foot minimum, but not less than the full width of points where ingress or egress occurs.

d. Length: As required, but not less than one hundred (50) feet.

e. Geotextile: To be placed over the entire area to be covered with aggregate. Piping of surface water under entrance(s) shall be provided as required.

f. Criteria for Geotextile: The fabrics shall be Trevia Spunbound 1135, Mirafi 6000x, or equal.

2. Maintenance

The entrance(s) shall be maintained in a condition which will prevent tracking of sediment onto the public right-of-way. When washing is required, it shall be completed on an area stabilized with aggregate which drains into an approved sediment trapping device. All sediment shall be prevented from entering storm drains, ditches or waterways.

Timing of Controls/ Measures

As indicated in the sequence of Major Activities the hay bales and silt fences shall be installed prior to commencing any clearing, demolition or grading of the site. Structural controls shall be installed concurrently with the applicable activity. Area(s) where construction activity temporarily ceases for more than twenty one (21) days will be stabilized with a temporary seed and mulch within fourteen (14) days of the last disturbance. Once construction activity ceases permanently in an area, silt fences and hay bale barriers will be removed once permanent measures are established.

Waste Disposal

A. Waste Materials

All waste materials will be collected and stored in securely lidded receptacles. All trash and construction debris from the site will be deposited into a dumpster. No construction waste materials will be buried on site. All personnel will be instructed regarding the correct procedure for waste disposal by the superintendent.

B. Hazardous Waste

All hazardous waste materials will be disposed of in the manner specified by local or state regulation or by the manufacturer. Site personnel will be instructed in the practices by the superintendent.

C. Sanitary Waste

All sanitary waste will be collected from the portable units a minimum of once per week by a licensed sanitary waste management contractor.

Spill Prevention

A. Material Management Practices

The following are the materials management practices that will be used to reduce the risk of spills or other accidental exposure of materials and substances during construction to storm water runoff:

Good Housekeeping:

The following good housekeeping practices will be followed on site during the construction project:

-An effort will be made to store only sufficient amounts of products to do the job.

-All materials stored on site will be stored in a neat, orderly manner in their proper (original if possible) containers and, if possible, under a roof or other enclosure.

-Manufacturer's recommendations for proper use and disposal will be followed.

-The site superintendent will inspect daily to ensure proper use and disposal of materials.

-Substances will not be mixed with one another unless recommended by the manufacturer.

-When ever possible all of a product will be used up before disposing of the container.

Hazardous Products:

The following practices will be used to reduce the risks associated with hazardous products:

-Products will be kept in their original containers unless they are not re-sealable

-Original labels and product safety data will be retained for important product information.

-Surplus product that must be disposed of will be discarded according to the manufacturer's recommended methods of disposal.

B. Product Specific Practices

The following product specific practices will be followed on site:

Petroleum Products:

All on site vehicles will be monitored for leaks and receive regular preventive maintenance to reduce leakage. Petroleum products will be stored in tightly sealed containers which are clearly labeled. Any asphalt based substances used on site will be applied according to the manufacturer's recommendations.

Fertilizers:

Fertilizers used will be applied only in the minimum amounts directed by the specifications. Once applied, fertilizer will be worked into the soil to limit exposure to storm water Storage will be in a covered shed or enclosed trailers. The contents of any partially used bags of fertilizer will be transferred to a sealable plastic bin to avoid spills.

Paints:

All containers will be tightly sealed and stored when not required for use. Excess paint will not be discharged to the storm sewer system but will be disposed of properly according to manufacturer's instructions or state and local regulations.

Concrete Trucks:

Concrete trucks will discharge and wash out surplus concrete or drum wash water in a contained area on site..

C. Spill Control Practices

In addition to good housekeeping and material management practices discussed in the previous section the following practices will be followed for spill prevention and cleanup:

-Manufacturer's recommended methods for spill cleanup will be clearly posted and site personnel will be made aware of the procedures and the location of the information and cleanup supplies.

-Materials and equipment necessary for spill cleanup will be kept in the material storage area on site. Equipment and materials will include but not limited to brooms, dustpans, mops, rags, gloves, goggles, kitty litter, sand, sawdust and plastic or metal trash containers specifically for this purpose.

-All spills will be cleaned up immediately after discovery.

-The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.

-Spills of toxic or hazardous material will be reported to the appropriate state or local government agency, regardless of the size.

-The spill prevention plan will be adjusted to include measures to prevent this type of spill from recurring and how to cleanup the spill if it recurs. A description of the spill, its cause, and the cleanup measures will be included.

-The site superintendent responsible for day to day operations will be the spill prevention and cleanup coordinator.

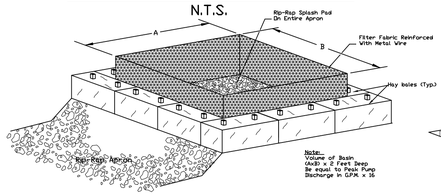
The General Contractor(s) and/or Project Owner(s)

are assigned the responsibility for implementing this erosion and sediment control plan. This responsibility includes the installation and maintenance of control measures, informing all parties engaged on the construction site of the requirements and objectives of the plan, notifying the Planning and Zoning office of any transfer of this responsibility, and for conveying a copy of the Sediment & Erosion Control Plan if the title to the land is transferred.

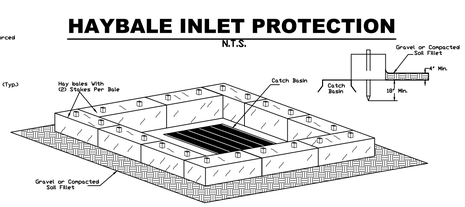
Contingency Erosion Plan

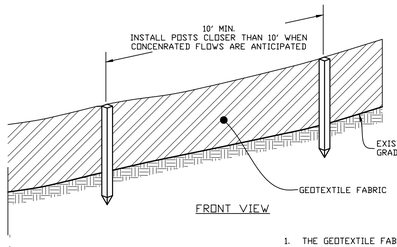
Should unforeseen erosion or sedimentation problems arise, the design engineer of record. (R.R. Hiltbrand Engineers & Surveyors) and the local enforcement agent shall be notified immediately. An inspection of the affected area(s) shall be promptly performed. A remedial action plan shall be formulated with the local enforcement agent's approval. The site contractor shall then implement the recommended course of action which has been determined by both the engineer and local enforcement agent.

TEMPORARY SEDIMENT BASIN FOR DEWATERING DISCHARGE

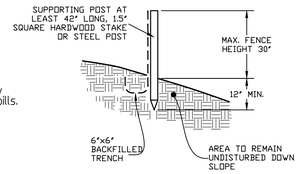


HAYBALE INLET PROTECTION





FRONT VIEW



SIDE VIEW

SILT FENCE

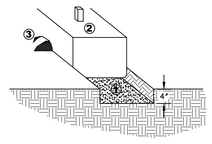
N.T.S.

1. THE GEOTEXTILE FABRIC SHALL MEET THE DESIGN CRITERIA FOR SILT FENCES, OF THE '2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL'.
2. THE HEIGHT OF THE BARRIER SHALL NOT EXCEED 30 INCHES ABOVE GRADE.
3. POSTS SHALL BE SPACED A MAXIMUM OF (10) FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND (MIN. 12 INCHES). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL BE AS THE MANUFACTURER RECOMMENDS.
4. A TRENCH SHALL BE EXCAVATED APPROX.. (6) INCHES WIDE BY (6) INCHES DEEP ALONG THE LINE OF THE POSTS AND UPSLOPE FROM THE BARRIER IN ACCORDANCE WITH RECOMMENDATIONS.
5. THE FABRIC SHALL NOT EXTEND MORE THAN (30) INCHES ABOVE THE ORIGINAL GROUND SURFACE, AND WILL EXTEND A MINIMUM OF (8) INCHES INTO THE TRENCH. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
6. THE TRENCH SHALL BE BACKFILLED AND SOIL COMPACTED OVER THE FILTER FABRIC.
7. FILTER BARRIERS SHALL BE REMOVED WHEN THE HAVE SERVED THEIR USEFUL PURPOSE. BUT NOT BEFORE THE UPHILL SURFACE HAS BEEN PERMANENTLY STABILIZED.
8. FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL, AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
9. SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
10. SEDIMENT DEPOSITS SHALL BE REMOVED WHEN THEY REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
11. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED, SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

PLACEMENTand CONSTRUCTION OF HAY BALE BARRIER

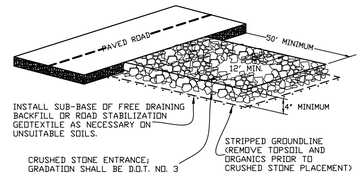
N.T.S.

1. EXCAVATE TRENCH 4" AND PLACE FILL UP-SLOPE OF TRENCH.
2. PLACE HAYBALE & STAKE FIRST STAKE AT ANGLE TOWARDS
2. FIRST HAYBALE. STAKES ARE 18" MIN. INTO GROUND.
3. BACKFILL & COMPACT EXCAVATED FILL ALONG HAY BALE.
4. WEDGE LOOSE HAY BETWEEN BALES.



DETAIL FOR FENCE JOINT

* POSITION POSTS TO OVERLAP AS SHOWN ABOVE, MAKING CERTAIN THAT THE FABRIC FOLDS AROUND EACH POST ONE FULL TURN
* DRIVE POSTS TIGHTLY TOGETHER AND SECURE TOPS OF POSTS BY TYING OFF WITH CORD OR WIRE TO PREVENT FLOW-THROUGH OF BUILT-UP SEDIMENT AT JOINT.



CONSTRUCTION ENTRANCE n.t.s.

PREPARED FOR:

East Granby Land Trust
P.O. Box 39
East Granby, CT 06026

R.R. HILTBRAND
Engineers and Surveyors

EROSION & SEDIMENTATION CONTROL DETAILS SHEET
PROPOSED WALKING TRAIL
AT SEYMOUR ELEMENTARY SCHOOL
#185 Hartford Avenue
East Granby, Connecticut
April 7, 2022

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