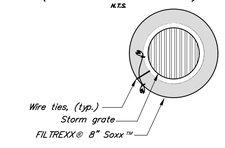
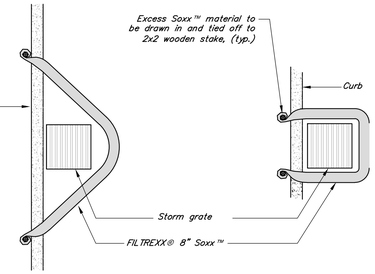
Secure "Marsh Mat", or approved equal, coir inlet filter over catch basin.

Inlet Protection (Pavement Areas)

N.T.S.

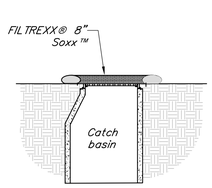


Drain Inlet Plan

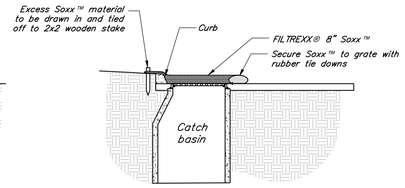


Curbside Option "A" Plan

Curbside Option "B" Plan



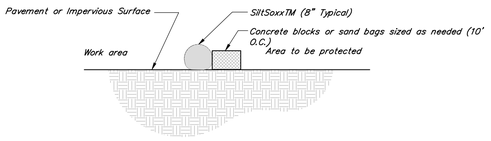
Drain Inlet Section



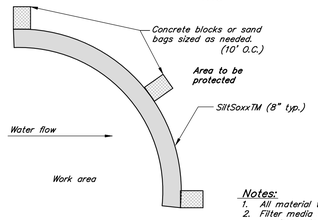
Curbside Section

NOTES:
1. All material to meet FILTREXX® specifications.
2. Filter Media™ fill to meet application requirements.
3. Compost material to be dispersed on site, as determined by engineer.

FILTREXX SiltSoxx Inlet Protection



SECTION
NTS

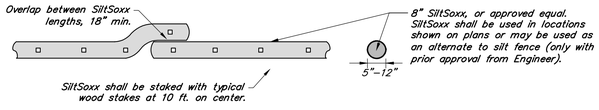


PLAN
NTS

Notes:
1. All material to meet specifications.
2. Filter media to meet application requirements.
3. Filter media to be dispersed on site, as determined by Engineer.

Installation on Pavement

1. Contractor shall be responsible for the installation, maintenance, and removal of SiltSoxx in all locations shown on the plans. SiltSoxx may be left in place if the contractor seeds and mulches over SiltSoxx for growth post construction.
2. Maintenance shall be performed as needed and additional SiltSoxx will be added when sediment reaches half of product height.
3. When installing lengths of SiltSoxx, lengths will overlap by minimum 18" when transitioning to a new length of SiltSoxx.
4. Contractor shall refer to all manufacturers specifications and details.
5. SiltSoxx is a product from a specific manufacturer (Filtrexx), other manufacturers with equal products may be used if approved by Engineer.



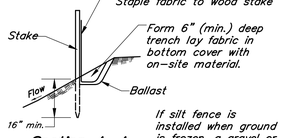
Typical FILTREXX SiltSoxx Sediment Control

N.T.S.

Notes

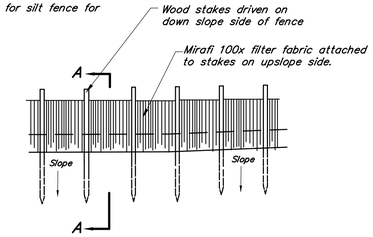
1. Contractor shall be responsible for the installation, maintenance, and removal of silt fence in all locations shown on the plans.
2. Maintenance shall be performed as needed and material removed when sediment reaches half of fabric height. Remove silt fence after successful establishment of vegetation.
3. Straw wattles may be used as as substitute for silt fence for areas approved by the Engineer.

Silt fence spacing chart	
Slope	silt fence spacing
5% to 10%	50 ft. or less
10% to 20%	25 ft. or less
> 20%	15 ft. or less



Section A–A

If silt fence is installed when ground is frozen, a gravel or sand ballast must be used.

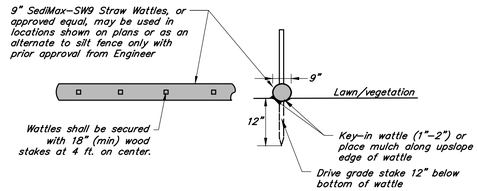


Typical Temporary Silt Fence

N.T.S.

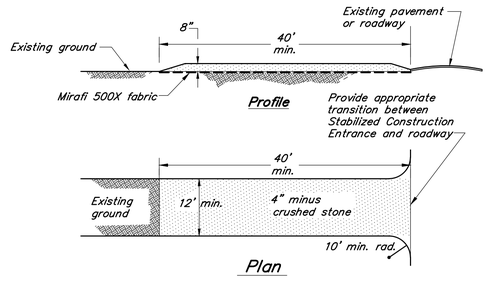
NOTES:
1. Contractor shall be responsible for the installation, maintenance, and removal of straw wattles in all locations shown on the plans.
2. Maintenance shall be performed as needed and material removed when sediment reaches half of product height. Remove wattle after successful establishment of vegetation.

Wattle spacing chart	
Slope Gradient (H:V)	Wattle spacing
< 6:1	50 ft. or less
4:1 – 6:1	35 ft. or less
> 4:1 – 2:1	20 ft. or less
> 2:1 – 1:1	10 ft. or less
> 1:1	5 ft. or less



Typical Straw Wattle Sediment Control

N.T.S.



Plan

Note:

- Contractor shall be responsible for the installation, maintenance, and removal of a stabilized construction entrance at each construction entrance for the project. The Construction Stabilized Entrance and its continued maintenance shall be a minimum measure to prevent tracking of sediment off–site.
- Contractor to use Mirafi 500x under stone for temporary construction roads.
- Stabilized construction entrances shall be repaired when voids are 80% filled with sediment. Repair shall include adding additional 4" minus crushed stone and/or removal of contaminated stone.

THIS DETAIL TO BE USED FOR ALL TEMPORARY STONE STABILIZATION AREAS IDENTIFIED ON THE PLANS

Temporary Stabilized Construction Entrance & Staging Areas

N.T.S.

Construction Limit Barriers

- Temporary chain–linked construction fence may be used to delineate construction limits where practical or where directed in the Contract Documents.
- Orange construction fence or snow fence shall be used to demarcate short–term construction activities.
- 3" thick orange polyester mesh webbing may be used to demarcate construction disturbance limits that are not proximate to environmentally sensitive areas (wetlands, RTE plants, etc.)

Erosion Prevention and Sediment Control Notes

1. Contractor shall be responsible for complying with all State and Local erosion prevention and sediment control standards and permit requirements during construction.
2. The limit of disturbance shall be clearly defined by Contractor's surveyor prior to clearing. Erosion and sediment control devices shall be established to trap sediment on site.
3. All erosion control shall be placed as shown on the drawings or as ordered by the Engineer. The Contractor shall maintain the erosion control measures until the Engineer is satisfied that permanent ground cover is established and that further measures are not required. It shall be the responsibility of the Contractor to employ appropriate erosion control as shown on these drawings and any other measures as necessary to trap sediment on site.
4. All areas of disturbance shall be permanently or temporarily stabilized as soon as possible and within 48 hours of final grading. All areas of disturbance shall be at least temporarily stabilized within 14 days of initial disturbance. Any disturbance after 14 consecutive days of exposed soil shall be stabilized daily unless the following exceptions apply:
   1. Stabilization is not required if earthwork is to continue in the area in the next 24 hours and there is no precipitation forecast in the next 24 hours.
   2. Stabilization is not required if the work is occurring in a self–contained excavation (i.e. no outlet) with a depth of 2 ft. or greater (e.g. house foundation excavation, utility trenches). Stabilization measures shall include mulch and netting, erosion control matting, crushed stone, gravel, or pavement.
5. Refer to the Low Risk Site Handbook for Erosion Prevention and Sediment Control for acceptable methods of stabilization.
6. The Contractor shall use water for dust control.
7. The Contractor shall provide inlet protection around all catch basins (existing or new) that collect construction site stormwater runoff. Crushed stone inlet protection may be used in non–paved areas.
8. A stabilized construction entrance (See Detail) shall be installed and maintained at all construction access locations. Contractor shall be responsible for installing crushed stone to provide stable areas for construction vehicle traffic, staging, and storage. The Contractor is responsible for providing and maintaining sufficient stone to prevent rutting and sediment tracking.
9. All paved roads used by construction vehicles shall be swept daily during periods of active construction, or at a greater frequency, if dirt or gravel is tracked from the site. The swept debris shall be immediately removed from the curb face if applicable.
10. All temporary erosion and sediment control measures shall be removed within 30 days after final stabilization or after the measures are no longer needed, unless otherwise authorized.
11. All sediment removed from sediment control practices shall be placed in an approved soil disposal area.
12. All areas that do not have established vegetation by October 15th must be stabilized in accordance with the Winter Construction Requirements listed on this sheet.
13. After permanent seeding the Contractor shall be responsible for watering, if necessary, to ensure adequate vegetative growth.
14. Water from dewatering activities that flows off site must be clear. Water must not be pumped into storms sewers, lakes, or wetlands unless the water is clear.
15. The Contractor shall be responsible for all inspection and maintenance of the erosion prevention and sediment control practices for the project. Inspections and corresponding reports shall be performed at a minimum, once a week and after every precipitation event that results in a discharge from the site.

    The perimeter of the site and all BMPs will be inspected at the **end of each workday** to ensure that sediment will not leave the site. If sediment has traveled beyond the site boundary, it shall be swept up or otherwise removed and deposited on–site in an upgradient area at the **end of each workday.**

SEEDING SPECIFICATIONS

PERMANENT SEED MIX SHALL BE USED AS EARLY AS PRACTICABLE BETWEEN 5/15 AND 9/15 AND SHALL MEET THE FOLLOWING CRITERIA:

SEED	% WEIGHT
CREEPING RED FESCUE	40%
KENTUCKY BLUEGRASS	30%
PERRENNIAL RYEGRASS	30%

Refer to Post Construction Soil Restoration Plan for additional requirements

If hydroseeding is used for temporary stabilization measures for turf establishment. Specifications are:
Hydroseed Additives:
Fertilizer: 19-19-19 75 lbs per 1,000 gallons of water
Lime: 100 lbs. per 1,000 gallons of water
Mulch: 300 lbs. per 1,000 gallons of water.
Tacifer: 5 lbs. per 1,000 gallons of water.

1. Areas having soil compaction as a result of construction shall have any crushed stone removed and the subgrade shall be roto-tilled prior to placing topsoil. Refer to the Post Construction Soil Depth and Quality Requirements.
2. If hand seeding, only straw mulch is to be used and secured by netting either organic or inorganic. If inorganic is used, it must be removed before the first mowing.
3. Starter fertilizer shall be applied at the manufacturer's suggested rate at the time of seeding. Fertilizer application will not be allowed in sensitive areas and adjacent to drainage ways as determined by the Engineer.
4. Watering is to be done by the Contractor and is to last for the duration of the warranty period to maintain proper growth. All apparatus necessary to apply the water must be furnished by the Contractor (i.e. hoses, sprinklers, etc.).
5. Staking of all topsoiled areas to control foot traffic will be required. Unless otherwise specified, acceptable staking materials will be grade stakes and twine or string with flagging attached for visibility.
6. A guarantee through the first mowing is required with any sparse or bare areas larger than 1 sq. ft. to be redone.
7. The Contractor is responsible for the first mowing. After the first mowing and prior to the Owner taking responsibility for the lawn areas the Contractor and an Owner's Representative shall meet to inspect the vegetation establishment.
8. Contractor is responsible for all topsoil to complete the project as shown. If existing volume of topsoil is inadequate, the Contractor, at no cost to the Owner, shall purchase offsite approved topsoil as necessary.

GENERAL GRADING AND SITE WORK NOTES

1. ALL AREA DISTURBED AND ALL AREAS WITHIN THE CLEARING LIMITS SHALL BE GRADED AND COVERED WITH A MINIMUM OF 4" OF LOAM TOPSOIL. THE AREAS TO BE LOAMED SHALL BE FREE AND CLEAR OF ROOTS, WASTE MATERIAL AND OTHER DELETERIOUS MATERIAL. TOPSOIL SHALL BE SPREAD AND LIGHTLY COMPACTED TO A DEPTH OF 4". TOPSOIL SHALL BE APPROVED BY THE ENGINEER. ALL SIDE SLOPES ARE TO BE LOAMED.
2. ALL TURF ESTABLISHMENT SHALL BE IN ACCORDANCE WITH SECTION 651 OF THE VT STANDARD SPECIFICATIONS 2018 AND THE TOWN'S SPECIFICATIONS. MULCHING SHALL FOLLOW SEEDING BY NO MORE THAN 24 HOURS.
3. ALL CUT SLOPES SHALL BE NO STEEPER THAN 2.0H ON 1.0V. ALL FILL SLOPES SHALL BE NO STEEPER THAN 2.0H ON 1.0V.
4. THE CONTRACTOR SHALL NOT DISTURB ANY GROUND BETWEEN OCTOBER 15TH BETWEEN APRIL 15TH WINTER MONTHS, UNLESS APPROVED BY THE ENGINEER.
5. TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE ERECTED PRIOR TO ANY CLEARING OR CONSTRUCTION. THESE MEASURES MAY BE ERECTED IN PHASES, BUT IN NO CASE SHALL GROUND DISTURBANCE PROCEED SEDIMENT CONTROL INSTALLATION. SPECIAL AREAS MAY BE DESIGNATED BY THE OWNER FOR PRESERVATION OF EXISTING TREES. THESE AREAS SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSURE NO DAMAGE IS DONE TO DESIGNATED TREES.
6. EXISTING PLANTINGS ARE LOCATED IN GENERAL AREAS AS SHOWN ON THIS PLAN. CONTRACTOR SHALL PROTECT PLANTINGS SO AS NOT TO DAMAGE THESE OR THEIR ROOT SYSTEMS.
7. SLOPE STABILITY BASED UPON UNSATURATED SOIL CONDITIONS. IF DURING CONSTRUCTION SATURATED SOILS ARE ENCOUNTERED, CONTACT THE ENGINEER IMMEDIATELY.

KREBS & LANSING CONSULTING ENGINEERS
164 Main Street, Suite 201, Colchester, VT 05446
T: (802) 878-0375 F: (802) 878-9618
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NO.	DESCRIPTION	DATE

JANNEF HOLDINGS, LLC PROPERTY

326 College Street, Burlington, VT

CIVIL DETAILS

DRAWN BY:	SLM
PROJECT NO:	18213
DATE:	2/13/23
REVISED:	
SCALE:	As Noted

CD-4

Project Phase

PERMIT DRAWINGS ONLY. NOT FOR CONSTRUCTION