





#### GENERAL EROSION CONTROL NOTES: CONTRACTOR CERTIFICATION STATEMENT 1. Contractor shall be responsible for compliance with all sediment and erosion control practices. The sediment and erosion control practices are to be installed prior to Certification Statement - All contractors and subcontractors as identified in a SWPPP, by the Owner or Operator, in accordance with Part III.A.5 of the SPDES General Permit for Stormwater Runoff from any major soil disturbances, and maintained until permanent protection is established. Road surface flows from the site should be dissipated with tracking pad or Construction Activity, GP-0-20-001, dated January 29, 2015, Page 10 of 40, shall sign a copy of the following Certification Statement before undertaking any construction activity at the Site identified in the appropriate measures during adjacent road shoulder regrading. Contractor is responsible for the installation and maintenance of all soil erosion and sedimentation control devices throughout the course of construction. "I hereby certify that I understand and agree to comply with the terms and conditions of the SWPPP and agree to implement any corrective actions identified by the Qualified Inspector during a site inspection. I Catch basin inlet protection must be installed and operating at all times until tributary areas have been stabilized. When possible flows should be stabilized before also understand that the Owner or Operator must comply with the terms and conditions of the New York State Pollutant Discharge Elimination System ("SPDES") General Permit for Stormwater Discharge reaching inlet protection structure. Timely maintenance of sediment control structures is the responsibility of the Contractor. from Construction Activities and that it is unlawful for any person to cause or contribute to a violation of water quality standards. Furthermore, I understand that certifying false, incorrect or inaccurate All structures shall be maintained in good working order at all times. The sediment level in all sediment traps shall be closely monitored and sediment removed information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings." promptly when maximum levels are reached or as ordered by the engineer. All sediment control structures shall be inspected on a regular basis, and after each heavy rain to insure proper operation as designed. An inspection schedule shall be set forth prior to the start of construction. Individual Contractor: The locations and the installation times of the sediment capturing standards shall be as specified in these plans, as ordered by the Engineer, and in accordance with Name and Title (please print): the latest edition of the "New York Standards and Specifications for Erosion and Sediment Control" (NYSSESC). All topsoil shall be placed in a stabilized stockpile for reuse on the site. All stockpile material required for final grading and stored on site shall be temporarily seeded Signature of Contractor: and mulched within 7 days. Refer to soil stockpile details. Company / Contracting Firm: 6. Any disturbed areas that will be left exposed more than 7 days and not subject to construction traffic, shall immediately receive temporary seeding. Mulch shall be used if the season prevents the establishment of a temporary cover. Disturbed areas shall not be limed and fertilized prior to temporary seeding. Name of Company: All disturbed areas within 500 feet of an inhabited dwelling shall be wetted as necessary to provide dust control. Address of Company: 8. The contractor shall keep the roadways within the project clear of soil and debris and is responsible for any street cleaning necessary during the course of the project. Telephone Number / Cell Number: 9. Sediment and erosion control structures shall be removed and the area stabilized when the drainage area has been properly stabilized by permanent measures. Site Information: 10. All sediment and erosion control measures shall be installed in accordance with current edition of NYSSESC 11. All regraded areas must be stabilized appropriately prior to any rock blasting, cutting, and/or filling of soils. Special care should be taken during construction to insure Address of Site: stability during maintenance and integrity of control structures. 12. Any slopes graded at 3:1 or greater shall be stabilized with erosion blankets to be staked into place in accordance with the manufactures requirements. Erosion blankets may also be required at the discretion of Town officials or Project Engineer. When stabilized blanket is utilized for channel stabilization, place all of the Today's Date: volume of seed mix prior to laying net, or as recommended by the manufacturer. 13. To prevent heavy construction equipment and trucks from tracking soil off-site, construct a pervious crushed stone pad. Locate and construct pads as detailed in 14. Contractor is responsible for controlling dust by sprinkling exposed soil areas periodically with water as required. Contractor to supply all equipment and water. 15. Contractor shall be responsible for construction inspections as per NYSDEC GP-0-20-001 and Town of Yorktown. MAINTENANCE OF TEMPORARY EROSION AND SEDIMENT CONTROL STRUCTURES: N.Y.S.D.E.C. GP-0-20-001 EXPOSURE RESTRICTIONS - States that any exposed earthwork shall be stabilized in accordance with the guidelines of this plan. 1. Trees and vegetation shall be protected at all times as shown on the detail drawing and as directed by the Engineer. 2. Care should be taken so as not to channel concentrated runoff through the areas of construction activity on the site. Title: Fill and site disturbances should not be created which causes water to pond off site or on adjacent properties. 4. Runoff from land disturbances shall not be discharged or have the potential to discharge off site without first being intercepted by a control structure, such as a sediment trap or silt fence. Sediment shall be removed before exceeding 50% of the retention structure's capacity. For finished grading, adequate grade shall be provided so that water will not pond on lawns for more than 24 hours after rainfall, except in swale flow areas which may Address: drain for as long as 48 hours after rainfall.

### OWNER / OPERATOR CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. Further, I hereby certify that the SWPPP meets all Federal, State, and local erosion and sediment control requirements. I am aware that false statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law."

Signature:

ORANGE

CONSTRUCTION FENCE

SMALL FEEDER ROOTS AT EDGE OF BRANCH SYSTEM

1. Contractor shall use the tree trunk armor detail for

2. As an alternate, the contractor may protect trees in the vicinity of regular heavy traffic / construction areas or clusters of trees to be protected as per the construction

1. Filter cloth to be fastened securely to post: steel either t or u type or 2" hardwood posts at top and mid section.

5. Unroll a section at a time and position the post against the back (downstream) wall of the trench (net side away from direction of flow).

7. Lay the toe-in flap of fabric onto the undisturbed bottom of the trench, backfill the trench and tamp the soil. Steeper slopes require an intercept trench.

3. Maintenance shall be performed as needed and material removed when "bulges" develop in the silt fence.

6. Drive the post into the ground until the netting is approximately 2 inches from the trench bottom.

2. When two sections of filter cloth adjoin each other they shall be overlapped by 6 inches and folded. Filter cloth shall be mirafi 100x, stabilinka t140n or approved equal

TREE TRUNK ARMOR / TREE PROTECTION DETAIL

36" MIN. FENCE POSTS, DRIVEN MIN

16" INTO GROUND

- 16" MIN. HEIGHT OF

←6" MIN. EMBEDMENT

FILTER ABOVE GROUND

isolated trees that require protection.

fence detail.

4. Excavate 4 inch trench along the lower perimeter of the site.

8. Join sections as shown above.

E-5

<u>SYMBOL</u>

E-2

# **SYMBOL** STRAWBALES OR SILT FENCE ss I 5 1. Area chosen for stockpiling operations shall be dry and stable. 2. Maximum slope of stockpile shall be 1:2 3. Upon completion of soil stockpiling, each pile shall be surrounded with either silt fencing or strawbales, then stabilized with vegetation or covered 4. See detail for installation of silt fence. SOIL STOCKPILE DETAIL -3" CLEAN STONE MOUNTABLE BERM -(OPTIONAL SEE NOTE 5) -COMPACTED SUBGRADE -FILTER CLOTH **SECTION A-A** 30'-0" MINIMUM START AT EXIST. PAVEMENT <u>PLAN</u> 12'-0" MINIMUM INSTALLATION NOTES: 1. Stone size - use 3" min. Stone, or reclaimed or recycled concrete equivalent. 2. Length - as required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply. AIL Thickness - not less than six (6) inches. 4. Width - 10 foot minimum, but not less than the full width at points where ingress or egress occur. 24 ft if single entrance to site. 5. Surface water - all surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted. 6. Maintenance - the entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public right of way this may require periodic top dressing with additional stone as conditions demand and repair and/or cleanouts of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public right of way must be removed immediately. DE 7. Washing - wheels shall be cleaned to remove sediment prior to entrance onto public right of way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device. 8. Periodic inspection and needed maintenance shall be provided after each rain STABILIZED CONSTRUCTION ENTRANCE DETAIL E-3 RO, EMBED FILTER STOWN CLOTH MIN. 6" INTO GROUND <u>SECTION</u> WOOD OR METAL DRIVE - WOODEN FENCE POST POSTS AT 8'-0" O.C. MAX. 4 FT. LENGTH ATTACH SILT FABRIC ON - SUPPORT NET UPHILL SIDE OF POSTS AND FILTER FABRIC BACKFILL OVER FABRIC PROPEX SILT STOP FABRIC OR APPROVED EQUAL - ANCHOR FABRIC 6" BELOW DIG 6"X6" TRENCH INSTALL EXISTING CHANNEL WHEN FABRIC AND BACKFILL CROSSING STREAM CHANNEL EXISTING AREA TO BE

**SECTION** 

SLOPE OR LESS

STABILIZE ENTIRE PILE WITH-

**VEGETATION OR COVER** 

BOARD FENCE WRAPPED AROUND

TRUNK. 1" GAP BETWEEN BOARDS

**ELEVATION** 

-POSTS FASTENED TOGETHER-

PLAN VIEW: JOINING SECTIONS

SILT FENCE DETAIL

#### INSP. INSP. CLEAN REPLACE REMOVE MAINTENANCE OF PERMANENT CONTROL STRUCTURES DURING CONSTRUCTION: The stormwater management system and outlet structure shall be inspected on a regular basis and after every rainfall event. Sediment build up shall be removed from the inlet protection regularly to insure detention capacity and proper drainage. Outlet structure shall be free of obstructions. All piping and drain inlets shall be free of

TO MAINTAIN

**FUNCTION** 

REPLACE

REPLACE

### obstruction. Any sediment build up shall be removed. MAINTENANCE OF CONTROLS AFTER CONSTRUCTION:

All sites shall be stabilized with erosion control materials within 7 days of final grading.

RAINFALL

INSP.

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8. Temporary sediment trapping devices shall be removed from the site within 30 days of final stabilization.

Controls (including respective outlet structures) should be inspected periodically for the first few months after construction and on an annual basis thereafter. They should also be inspected after major storm events.

All swales and other areas of concentrated flow shall be properly stabilized with temporary control measures to prevent erosion and sediment travel. Surface flows

OF INSPECTOR

REMOVE

REMOVE

## DEBRIS AND LITTER REMOVAL

over cut and fill areas shall be stabilized at all times.

DAILY WEEKLY MONTHLY

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MAINTENANCE SCHEDULE:

Twice a year, inspect outlet structure and drain inlets for accumulated debris. Also, remove any accumulations during each mowing operation. STRUCTURAL REPAIR/REPLACEMENT:

## Outlet structure must be inspected twice a year for evidence of structural damage and repaired immediately.

**EROSION CONTROL** Unstable areas tributary to the basin shall immediately be stabilized with vegetation or other appropriate erosion control measures.

## SEDIMENT REMOVAL:

Sediment should be removed after it has reached a maximum depth of five inches above the stormwater management system floor.

SILT FENCE

WHEEL

CLEANER

Existing topsoil will be removed and stored in piles sufficiently as to avoid mixing with other excavation. Stockpiles shall be surrounded by erosion control as outlined on these plans. The furnishing of new topsoil shall be of a better or equal to the following criteria (SS713.01 NYSDOT):

- 1. The pH of the material shall be 5.5 to 7.6. 2. The organic content shall not be less than 2% or more than 70%.
- 3 Gradation: SIEVE SIZE % PASSING BY WGT

J.	Gradation.	SILVL SIZL	70 F ASSING DT WGT
		2 INCH	100
		1 INCH	85 TO 100
		1/4 INCH	65 TO 100

NO. 200 MI	ESH	20 TO 8
PERMANENT VEGE	ΤΔΤΙ\/Ε	COVER

## PERMANENT VEGETATIVE COVER.

- 1. Site preparation:
- 1.1. Install erosion control measures. Scarify compacted soil areas.
- Lime as required to ph 6.5. Fertilize with 10-6-4 4 lbs/1,000 S.F
- Incorporate amendments into soil with disc harrow.

Seed mixtures for us	se on swales and cut and fill areas.	
<u>MIXTURE</u>		LBS./ACRE
ALT. A	KENTUCKY BLUE GRASS	20
	CREEPING RED FESCUE	28
	RYE GRASS OR REDTOP	5
ALT. B	CREEPING RED FESCUE	20
	REDTOP	2
	TALL FESCUE/SMOOTH BLOOMGRASS	3 20

- 3.1. Prepare seed bed by raking to remove stones, twigs, roots and other foreign material.
- Apply soil amendments and integrate into soil. 3.3. Apply seed uniformly by cyclone seeder culti-packer or hydro-seeder at rate indicated.
- Stabilize seeded areas in drainage swales.
- Irrigate to fully saturate soil layer, but not to dislodge planting soil.
- Seed between April 1st and May 15th or August 15th and October 15th. Seeding may occur May 15th and August 15th if adequate irrigation is provided.
- TEMPORARY VEGETATIVE COVER:

## SITE PREPARATION:

- Install erosion control measures.
- 2. Scarify areas of compacted soil 3. Fertilize with 10-10-10 at 400/acre.
- 4. Lime as required to ph 6.5.

# SEED SPECIES:

<u>MIXTURE</u>	LBS.//
Rapidly germinating annual ryegrass	20
(or approved equal)	
Perennial ryegrass	20
Cereal oats	36

Same as permanent vegetative cover

