## EROSION & SEDIMENT CONTROL NOTES:

acres of unprotected soil shall be exposed at any one time.

- 1. The Erosion and Sediment Control Plan is only to be referred to for the installation of erosion and sediment control measures. For all other construction related activities, including, but not limited to, grading and utilities, refer to the appropriate
- 2. Each contractor or subcontractor responsible for soil disturbance shall have a NYSDEC trained contractor onsite during soil disturbing activities. The NYSDEC trained contractor will be responsible to comply with the stormwater pollution prevention plan and for the implementation and maintenance of erosion and sediment control measures on this site prior to and during construction. The NYSDEC trained contractor shall sign a certification statement required by GP-0-20-001.
- 3. All construction activities involving the removal or disposition of soil are to be provided with appropriate protective measures to minimize erosion and contain sediment disposition within. Minimum soil erosion and sediment control measures shall be implemented as shown on the plans and shall be installed in accordance with "New York Standards and Specifications For Erosion and Sediment Control," latest
- 4. Wherever feasible, natural vegetation should be retained and protected. Disturbance shall be minimized in the areas required to perform construction. No more than 5
- 5. When land is exposed during development, the exposure shall be kept to the shortest practical period of time, but in no case more than 7 days after the construction activity in that portion of the site has ceased. Disturbance shall be minimized in the areas required to perform construction.
- 6. All construction vehicles shall be kept clear of the watercourses and wetland control areas outside the areas of proposed development. Silt fence and orange construction fence shall be installed in the areas where the grading is in close proximity of the watercourses or wetland control areas.
- 7. The stabilized construction entrances, silt fence, and orange construction fence shall be installed as shown on the plans prior to beginning any clearing, grubbing or earthwork.
- 8. All topsoil to be stripped from the area being developed shall be stockpiled and immediately seeded for temporary stabilization. Ryegrass (annual or perennial) at a rate of 30 lbs. per acre shall be used for temporary seeding in spring, summer or early fall. 'Aristook' Winter Rye (cereal rye) shall be used for temporary seeding in late fall
- 9. Any graded areas not subject to further disturbance or construction traffic shall. within 7 days of final grading, receive permanent vegetation cover in combination with a suitable mulch. All seeded areas to receive a minimum 4" topsoil (from stockpile area) and be seeded and mulched between March 21 and May 20 or between August 15 and October 15 or as directed by project representative, with specified seed mixes as shown in the General Site Seeding Notes. • Mulch: Salt hay or small grain straw applied at a rate of 90 lbs./1000 S.F. or 2 tons/acre, to be applied and anchored according to "New York Standards
- and Specification For Erosion and Sediment Control," latest edition. 10. Grass seed mix may be applied by either mechanical or hydroseeding methods. Seeding shall be performed in accordance with the current edition of the "NYSDOT Standard Specification, Construction and Materials, Section 610-3.02, Method No. 1". Hydroseeding shall be performed using materials and methods as approved by the site
- 11. Cut or fill slopes steeper than 2:1 shall be stabilized immediately after grading with Curlex I Single Net Erosion Control Blanket, or approved equal.
- 12. Paved roadways shall be kept clean at all times.
- 13. The site shall at all times be graded and maintained such that all stormwater runoff is diverted to soil erosion and sediment control facilities.
- 14. All storm drainage outlets shall be stabilized, as required, before the discharge
- 15. Stormwater from disturbed areas must be passed through erosion control barriers before discharge beyond disturbed areas or discharged into other drainage systems.
- 16. Erosion and sediment control measures shall be inspected and maintained on a daily basis by the NYSDEC Trained Contractor. to insure that channels, temporary and permanent ditches and pipes are clear of debris, that embankments and berms have not been breached and that all straw bales and silt fences are intact. Any failure of erosion and sediment control measures shall be immediately repaired by the contractor
- 17. Dust shall be controlled by sprinkling or other approved methods as necessary, or as directed by the trained contractor or site engineer.
- 18. Cut and fills shall not endanger adjoining property, nor divert water onto the property
- 19. All fills shall be placed and compacted in 6" lifts to provide stability of material and
- 20. The NYSDEC Trained Contractor shall inspect downstream conditions for evidence of sedimentation on a weekly basis and after rainstorms.

21. As warranted by field conditions, special additional erosion and sediment control

- measures, as specified by the site engineer, the Wetlands Inspector, the Town Engineer and/or NYCDEP shall be installed by the contractor.
- 22. Erosion and sediment control measures shall remain in place until all disturbed areas are suitably stabilized.
- 23. After completion of the site improvements, the owner will assume responsibility for maintenance of the roads, parking lots, drainage systems and stormwater facilities. Each spring the paved areas shall be cleaned to remove the winter accumulation of traction sand. After this is completed all drain inlet and catch basin sumps should be cleaned. All pipes should be checked for debris and blockage and cleaned as required. During the cleaning process, the drain inlets, catch basins and pipes should be inspected for structural integrity and overall condition. Repairs and/or replacements should be made as required.
- 24. Inspection of the stormwater basins should be performed every 6 months and after large storm events. These inspections should, at a minimum, check the outlet pipes for blockage and the general overall integrity of the basin and appurtenances.
- 25. Maintain basin vegetation including removal of trees and replacement of vegetation that should die. Remove any litter which accumulates as necessary. Typically, the accumulated silt will be required to be removed every 10 to 20 years. Any accumulated silt shall be removed from the stormwater basins once the site has been stabilized.

FILTER CLOTH TO BE INSTALLED TO FACE THE DIRECTION OF

EMBED FILTER CLOTH -

MIN. 8" INTO GROUND

POSTS AT TOP AND MID SECTION.

SIX INCHES AND FOLDED.

DEVELOP IN THE SILT FENCE.

1. FILTER CLOTH TO BE FASTENED SECURELY TO

2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN

EACH OTHER THEY SHALL BE OVERLAPPED BY

3. MAINTENANCE SHALL BE PERFORMED AS NEEDED

AND MATERIAL REMOVED WHEN "BULGES"

26. Refer to the Stormwater Pollution Prevention Plan for additional details regarding long-term maintenance of the storm drainage facilities.

## REQUIRED SWPPP CONTENTS PER GP-0-20-001:

- 1. Pursuant to the NYSDEC "SPDES General Permit for Stormwater Discharges from Construction Activity" (GP-0-20-001), all Stormwater Pollution Prevention Plan's (SWPPP) shall include erosion and sediment control practices designed in conformance with the most current version of the technical standard, "New York Standards and Specifications for Erosion and Sediment Control." Where erosion and sediment control practices are not designed in conformance with this technical standard, the owner or operator must demonstrate equivalence to the technical standard. The following list of required SWPPP components is provided in accordance with Part III.B.1a-I of General Permit GP-0-20-001:
- a. Background Information: The subject project consists of the redevelopment of the existing school, rectory and convent into a proposed school, parking lot, and play area.
- b. Site map / construction drawing: These plans serve to satisfy this SWPPP
- c. Description of the soils present at the site: Onsite soils located within the proposed limits of disturbance consist of Urban land (Uf), as identified on the Soil Conservation Service Web Soil Survey. This soil type belongs to the Hydrologic Soil Group "D."
- d. Construction phasing plan / sequence of operations: The Construction Sequence and phasing found on these plans provide the required phasing. A Construction Sequence and Erosion and Sediment Control Maintenance Schedule has been provided. The Sedimentation and Erosion Control Notes contained hereon outline a general sequence of operations for the proposed project. In general all erosion and sediment control facilities shall be installed prior to commencement with land disturbing activities, and areas of disturbance shall be limited to the shortest period of time as practicable.
- e. Description of erosion and sediment control practices: This plan, and details / notes shown hereon serve to satisfy this SWPPP requirement.
- Temporary and permanent soil stabilization plan: The Sedimentation and Erosion Control Notes and Details provided heron identify temporary and permanent stabilization measures to be employed with respect to specific elements of the project, and at the various stages of development.
- g. Site map / construction drawing: This plan serves to satisfy this SWPPP
- n. The dimensions, material specifications, installation details, and operation and maintenance requirements for all erosion and sediment control practices: The details, Erosion and Sediment Control Notes, and Erosion and Sediment Control Maintenance Schedule serve to satisfy this SWPPP
- i. An inspection schedule: Inspections are to be performed twice weekly and by a qualified professional as required by the General Permit GP-0-20-001. In addition the NYSDEC Trained Contractor shall perform additional inspections as cited in the Sedimentation and Erosion Control Notes.
- i. A description of pollution prevention measures that will be used to control litter, construction chemicals and construction debris: In general, all construction litter / debris shall be collected and removed from the site. The general contractor shall supply either waste barrels or dumpster for proper waste disposal. Any construction chemicals utilized during construction shall either be removed from site daily by the contractor or stored in a structurally sound and weatherproof building. No hazardous waste shall be disposed of onsite, and shall ultimately be disposed of in accordance with all federal, state and local regulations. Material Safety Data Sheets (MSDS), material inventory, and emergency contact numbers shall be maintained by the general contractor for all construction chemicals utilized onsite. Finally, temporary sanitary facilities (portable toilets) shall be provided onsite during the entire length of construction, and inspected weekly for evidence of leaking holding tanks.
- k. A description and location of any stormwater discharges associated with industrial activity other than construction at the site: There are no known industrial stormwater discharges present or proposed at the site.
- Identification of any elements of the design that are not in conformance with the technical standard, "New York Standards and Specifications for Erosion and Sediment Control." All proposed elements of this SWPPP have been designed in accordance with the "New York Standards and Specifications for Erosion and Sediment Control."
- 2. Pursuant to the NYSDEC "SPDES General Permit for Stormwater Discharges from Construction Activity" (GP-0-20-001), all construction projects needing post-construction stormwater management practices shall prepare a SWPPP that also includes practices designed in conformance with the most current version of the technical standard, New York State Stormwater Management Design Manual ("Design Manual"). Where post-construction stormwater management practices are not desianed in conformance with this technical standard, the owner or operator must demonstrate equivalence to the technical standard. The following list of SWPPP components is provided in accordance with Part III.B.2a—f and III.B.3:
- a. Identification of all post-construction stormwater management practices to be constructed as part of the project; This plan, and details/notes shown hereon serve to satisfy this SWPPP requirement.
- b. A site map/construction drawing(s) showing the specific location and size of each post—construction stormwater management practice; This plan, and details/notes shown hereon serve to satisfy this SWPPP requirement.
- c. A Stormwater Modeling and Analysis Report including pre-development conditions, post-development conditions, the results of the stormwater modeling, a summary table demonstrating that each practice has been designed in conformance with the sizing criteria, identification of and justification for any deviations from the Design Manual, and identification of any design criteria that are not required. The required analysis is provided in the report titled Amended Stormwater Pollution Prevention Plan for St. Denis Community School.
- Soil testing results and locations. This SWPPP requirement is provided in the report titled Amended Stormwater Pollution Prevention Plan for St. Denis
- e. Infiltration testing results. This SWPPP requirement is provided in the report titled Amended Stormwater Pollution Prevention Plan for St. Denis Community School.
- f. An operations and maintenance plan that includes inspection and maintenance schedules and actions to ensure continuous and effective operation of each post-construction stormwater management practice. The plan shall identify the entity that will be responsible for the long term operation and maintenance of each practice. The Permanent Stormwater Facilities Maintenance Schedule provided on these plans serves to satisfy this requirement.

-36" MIN. FENCE POSTS,

DRIVEN MIN. 16" INTO

B" MIN. EMBEDMENT

— UNDISTURBED GROUND

POSTS: STEEL EITHER T OR U TYPE

OR APPROVED EQUAL

MIRAFI 100X. STABILINKA T140N.

ENVIROFENCE, OR APPROVED

OR 2" HARDWOOD

PREFABRICATED UNIT: GEOFAB.

FILTER CLOTH: FILTER X,

EQUAL

HEIGHT OF FILTER ABOVE

GROUND

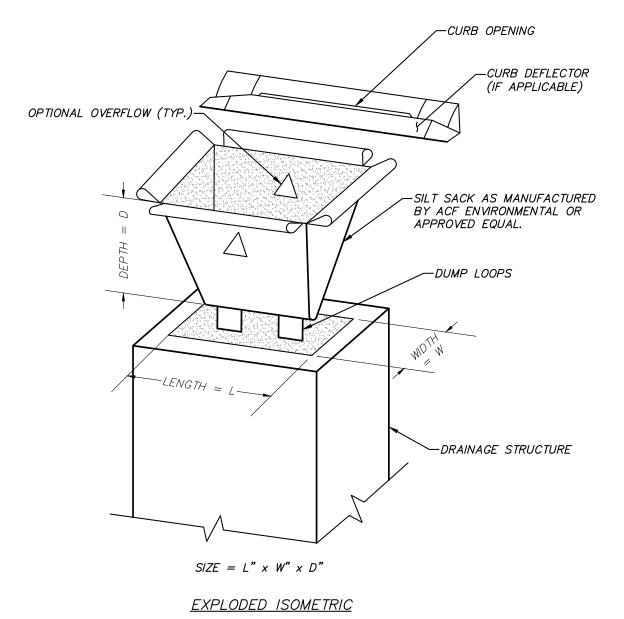
PERSPECTIVE VIEW

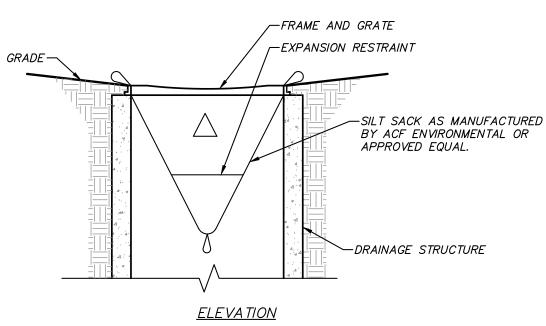
<u>SECTION</u>

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

SILT FENCE DETAIL

(N.T.S.)

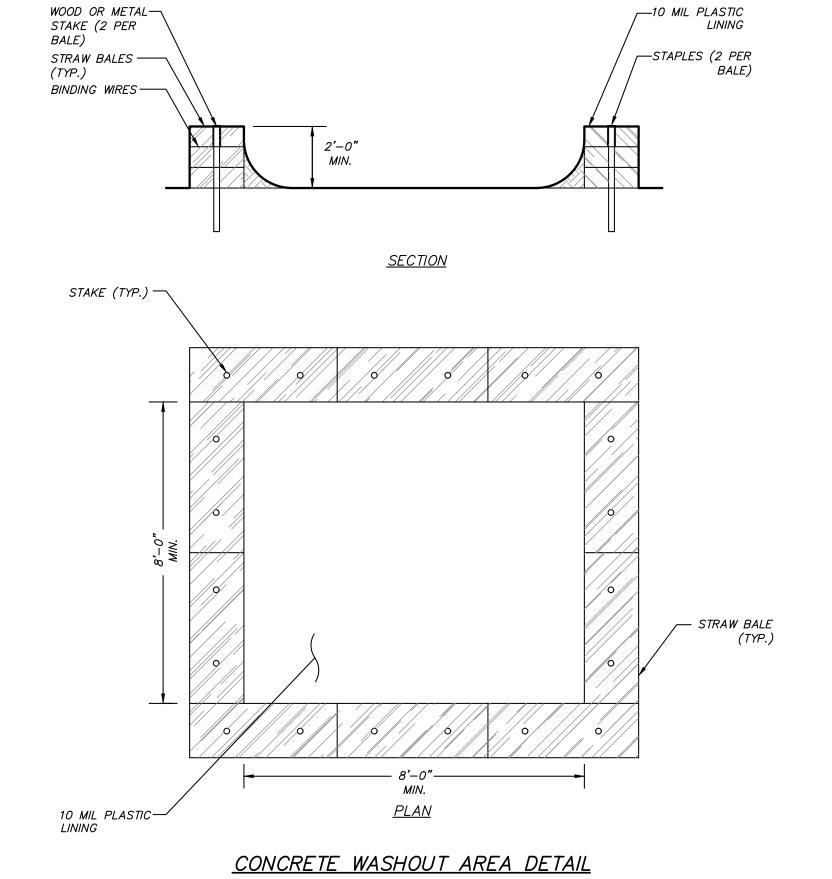




NOTE: FABRIC FOR INSERT SHALL MEET THE FOLLOWING:

FABRIC PROPERTIES	MINIMUM ACCEPTABLE VALUE	TEST METHOD
Grab Tensile Strength (lbs)	110	ASTM D 4632
Mullen Burst Strength (PSI)	300	ASTM D 3786
Puncture Strength (lbs)	60	ASTM D 4833
Minimum Trapezoidal Tear Strength (lbs)	50	ASTM D 4533
Flow Through Rate (gal/min/sf)	25	ASTM D 4491
Equivalent Opening Size	40-80	US Std Sieve ASTM D 4751

MANUFACTURED INSERT INLET PROTECTION DETAIL



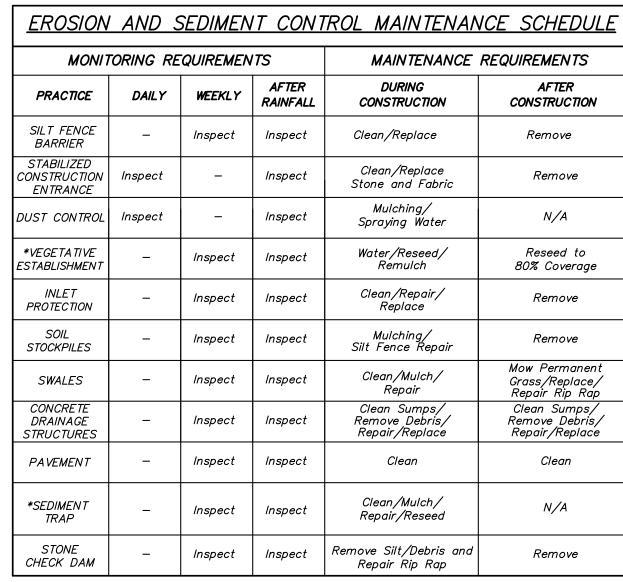
1. TEMPORARY CONCRETE WASHOUT TYPE ABOVE GRADE WILL BE CONSTRUCTED AS SHOWN ABOVE, WITH RECOMMENDED MINIMUM LENGTH AND MINIMUM WIDTH OF 8 FT.

(N. T. S.)

2. THE WASHOUT WILL BE MINIMUM OF 100 FT FROM DRAINAGE SWALES, STORM DRAIN INLETS, WETLANDS, STREAMS AND OTHER SURFACE WATERS. 3. PLASTIC LINING WILL BE FREE OF HOLES, TEARS, OR OTHER DEFECTS

THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.

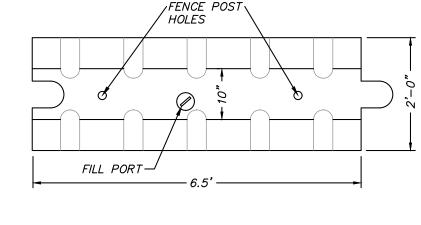
TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY. 9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER

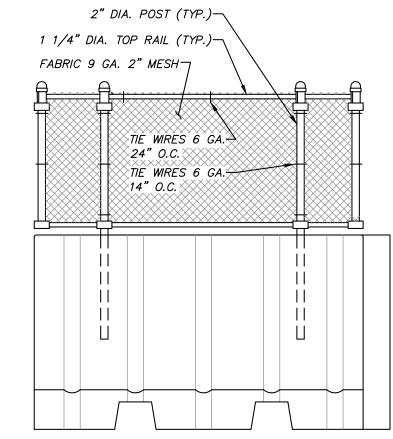


\* Permanent vegetation is considered stabilized when 80% of the plant density is established. Erosion control measures shall remain in place until all disturbe'd areas are permanently stabilized. Note: The contractor shall be responsible for implementation of the maintenance schedule during construction. The party responsible for the long term maintenance plan for the post construction stormwater practices is: Yonkers Joint Schools Construction Board 1 Larkin Center

and/or the current owner(s) of the subject property.

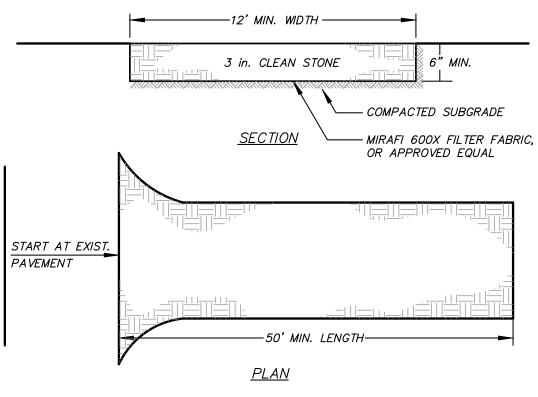
Yonkers, NY 10701





## CHAIN LINK FENCE IN JERSEY BARRIER DETAIL

Note: Heavy Duty Jersey Barrier with Fencing as produced by Crowd Control Warehouse or approved equal. Barrier must include fence panel.



<u>INSTALLATION NOTES</u> 1. STONE SIZE - USE 3" STONE

- 2. LENGTH AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.) 3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
- 4. WIDTH 12 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCUR.
- 5. FILTER CLOTH WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE FAMILY
- 6. 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. 7. 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 CLEANOUT OF ANY MEASURES USED TO
- 8. 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.

STABILIZED CONSTRUCTION ENTRANCE DETAIL (N. T. S.)

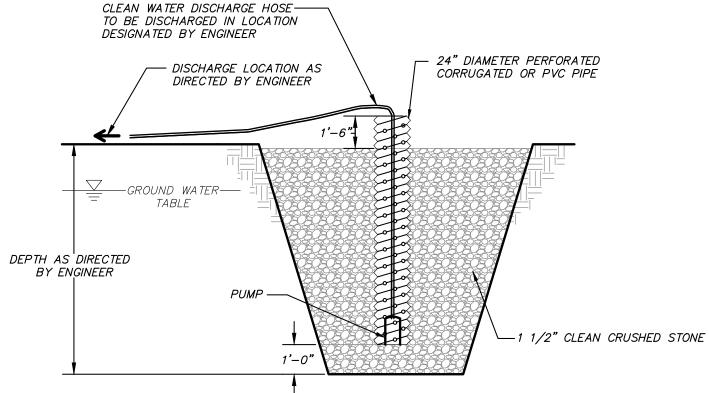
Excavation Dewatering Contingency Requirements The contractor shall maintain a contingency excavation dewatering kit consisting of a minimum of the following:

- (1) Submersible 2" electric trash pump with float switch, model #HS2.4S-61 as manufactured by Tsurumi Pumps or approved equal. 3000 GPH, max

- (1) Generator to run the electric trash pump.
- (3) 4' X 8' sheets of plywood
- (20) Haybales
- (300 LF) silt fence

- (200 LF) 2" hose

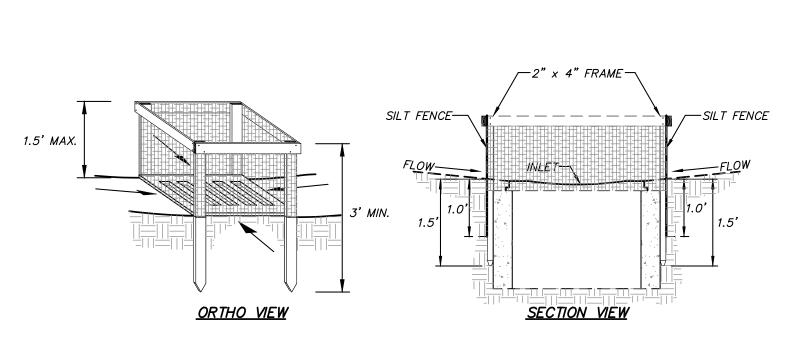
- (20 CY) 3/4" washed crushed stone (20 LF) 24"ø perforated HDPE pipe
- (1) "Dirtbag" pumped silt control system



1. THE STANDPIPE SHOULD BE CONSTRUCTED BY PERFORATING A 24" DIAMETER CORRUGATED METAL OR PVC PIPE.

- 2. THE STANDPIPE SHOULD BE WRAPPED WITH FILTERCLOTH BEFORE INSTALLATION. IF DESIRED, 1/4"-1/2" HARDWARE CLOTH MAY BE PLACED AROUND THE STANDPIPE PRIOR TO ATTACHING THE FILTERCLOTH.
- 3. A BASE OF 1 1/2" AGGREGATE SHOULD BE PLACED IN THE PIT TO A DEPTH OF 12". AFTER INSTALLING THE STANDPIPE THE PIT SURROUNDING THE STANDPIPE SHOULD BE BACKFILLED WITH 1 1/2" AGGREGATE.
- 4. THE STANDPIPE SHOULD EXTEND 1'-6" ABOVE THE LIP OF THE PIT.
- 5. SUMP PIT SHALL BE LOCATED AT THE TOE OF THE EXCAVATED SLOPE WHEN GROUNDWATER IS ENCOUNTERED IN LOCATION AS DIRECTED BY THE ENGINEER.
- 6. SHOULD CLEAN GROUNDWATER BE ENCOUNTERED, THE DISCHARGE HOSE SHALL BE DIRECTED TO A STABILIZED AREA THAT WILL NOT CAUSE ANY EROSION PROBLEMS DOWNSTREAM OF THE DISCHARGE. SHOULD "URBID GROUNDWATER BE ENCOUNTERED THE HOSE SHALL BE DISCHARGED TO A SEDIMENT BASIN OR ALTERNATE EROSION CONTROL PRACTICE FOR TREATMENT.

SUMP PIT DETAIL (N. T. S.)



INSTALLATION NOTES

- 1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAYBE USED FOR SHORT TERM APPLICATIONS.
- 2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
- 3. STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.

4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES

- DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT. 5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL
- BE SECURELY FASTENED TO THE STAKES AND FRAME. 6. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

FILTER FABRIC INLET PROTECTION DETAIL (N. T. S.)

MAXIMUM DRAINAGE AREA 1 ACRE

NEW COMMUNITY SCHOOL 35 AT ST **DENIS SITE** 

YONKERS JOINT SCHOOLS **CONSTRUCTION BOARD** 

285 MAIN STREET. MOUNT KISCO, NEW YORK 10549

KGDARCHITECTS.COM

P:914.666.5900

121 McLean Avenue

Yonkers, NY 10705

NYSED PROJECT CONTROL No.

66-23-00-01-0-346-001

**CONSTRUCTION DOCUMENTS** 

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ISSUE FOR BID 11/01/2021 NYSED ADDENDUM 1 08/24/2021 07/14/2021 CONST. DOCS - FOR NYSED 12/15/2020 DESIGN DEVELOPMENT 08/31/2020 SCHEMATIC DESIGN Date Issue

DETAILS

Sheet Title

8/30/2020 2018-1071 rawn / Checked AS SHOWN MEU/AT