



NYSDEC Freshwater Wetland Boundary Validation

The freshwater wetland boundary represented on these plans as the edge of water of the onsite ponds as well as the existing tree line located in the southwest portion of the property accurately depicts the limits of Freshwater Wetland F-6 as delineated by Heather Gierloff of the NYSDEC on October 29, 2013.

DEC Staff: _____ Surveyor/Engineer: _____
Date Valid: _____ Expiration Date: _____ SEAL

Wetland boundary delineations as validated by the New York State Department of Environmental Conservation remain valid for 5 years unless existing exempt activities, area hydrology, or land use practices change (e.g., agricultural to residential). After 5 years the boundary must be revalidated by DEC staff. Revalidation may include a new delineation and survey of the wetland boundary.

Any proposed construction, grading, filling, excavating, clearing or other regulated activity in the freshwater wetland or adjacent 100 feet as depicted on this plan requires a permit from the New York State Department of Environmental Conservation under Article 24 of the Environmental Conservation Law (Freshwater Wetlands Act) prior to commencement of work.

GENERAL NOTES

1. Location map information taken from Town of Lewisboro Tax Maps and is approximate.
2. Topography and existing conditions shown herein is based upon aerial photography dated April 2008 and is photogrammetrically compiled at a scale of 1"=40'. The contour interval is 2'.
3. Property line as shown herein is referenced to a map entitled 'Subdivision Map Prepared for Harding T. Mason, Jr. etc.' filed October 3, 1983 as map no. 21337.

SOIL TEST DATA:

- D-1:** 0"-6": Topsoil
6"-18": Grey fine sand and silt
18"-60"+: Light Brown fine to medium sand
48": Groundwater
- D-2:** 0"-12": Topsoil
12"-36": Brown fine to medium sand
36"-96"+: Grey fine sand and silt
72": Groundwater
- D-3:** 0"-6": Topsoil
6"-18": Light brown fine to medium sand
18"-54": Grey and black fine sand and silt
54"-84"+: Medium sand and gravel
48": Groundwater

CONSTRUCTION NOTES

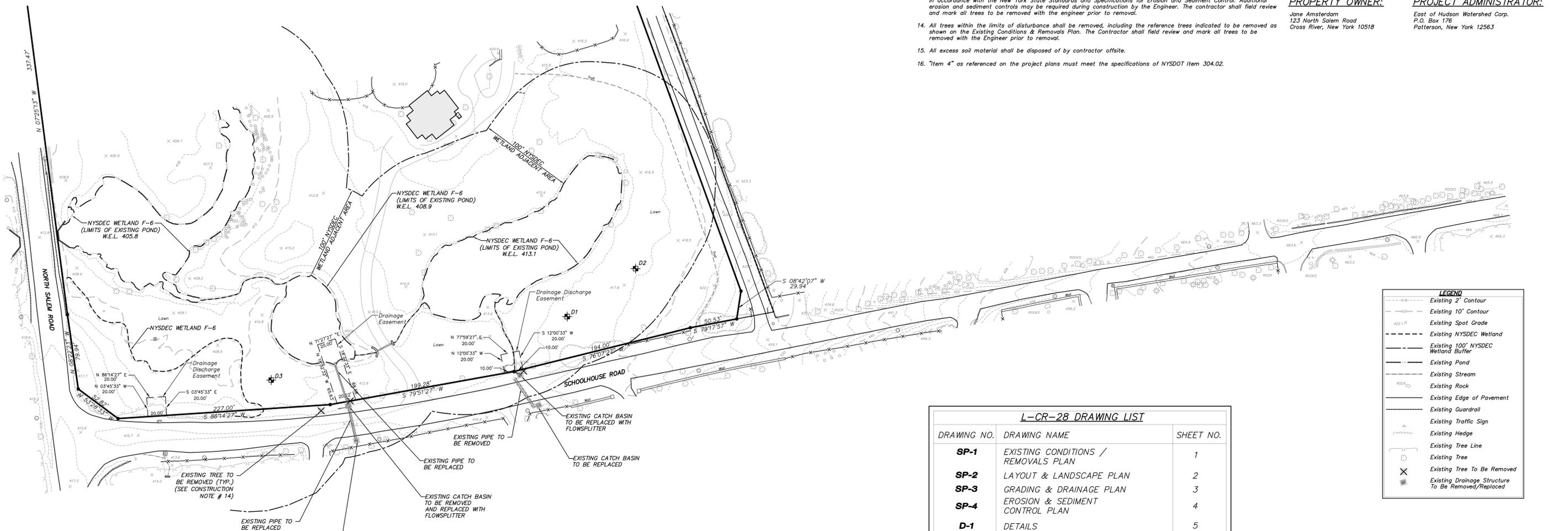
1. The subject project requires coverage under the New York State Department of Environmental Conservation SPDES General Permit for Stormwater Discharges from Construction Activity, permit No. GP-0-10-001. As required by the permit all contractors and subcontractors will be required to sign a certification statement that they understand and agree to comply with the requirements of GP-0-10-001. The general permit GP-0-10-001 can be found at http://www.dec.ny.gov/docs/water_pdf/gpscns0110.pdf.
2. A staging / storage area will be made available to the Contractor for the projects as shown on Drawing SP-4.
3. Engineer to approve the location of all fences prior to placement.
4. The contractor shall field verify all dimensions relative to the scope of work.
5. It shall be the contractor's responsibility to identify and protect all underground utilities. The contractor shall contact Dig Safely New York at 811 or 1-800-962-7962 and any other required utility locators prior to the start of construction.
6. The contractor shall field verify the existing grades prior to commencement of any work. Any discrepancy shall be reported to the owner and Engineer when identified.
7. All vehicle and pedestrian traffic shall be maintained during and after construction as directed by the owner and/or the Engineer.
8. All existing vegetation not proposed to be removed shall be protected from damage, and if damaged replaced at the contractor's expense. The Contractor shall field review and mark all trees to be removed with the Engineer prior to removal.
9. The contractor will be held responsible for all damage caused to existing utilities / features / facilities during execution of the work not proposed to be modified or removed by this contract. All damage to any existing utilities / features / facilities not proposed to be modified by the contract shall be repaired or replaced by the contractor to the satisfaction of the owner at no additional cost.
10. Original condition shall mean the condition in which the feature was found at the start of construction.
11. The contractor shall provide all removals incidental and necessary to execute the work prescribed in the contract documents. All existing features specified to be removed shall be removed in their entirety unless otherwise authorized in writing by the owner or the Engineer.
12. During execution of the work, the contractor shall be responsible for dewatering and control of surface water in accordance with the New York State Standards and Specifications for Erosion and Sediment Control. The New York State Standards and Specifications for Erosion and Sediment Control can be found at <http://www.dec.ny.gov/chemical/29066.html>.
13. The contractor shall be responsible for the implementation of erosion and sediment controls as necessary to prevent erosion and migration of sediment outside of the project limits. Erosion and sediment controls may include but are not limited to silt fence and a stabilized construction entrance. All erosion and sediment controls shall be installed in accordance with the New York State Standards and Specifications for Erosion and Sediment Control. Additional erosion and sediment controls may be required during construction by the Engineer. The contractor shall field review and mark all trees to be removed with the engineer prior to removal.
14. All trees within the limits of disturbance shall be removed, including the reference trees indicated to be removed as shown on the Existing Conditions & Removals Plan. The Contractor shall field review and mark all trees to be removed with the Engineer prior to removal.
15. All excess soil material shall be disposed of by contractor offsite.
16. "Item 4" as referenced on the project plans must meet the specifications of NYSDOT Item 304.02.



Location Map Scale: 1" = 800'±

PROPERTY OWNER: Jane Amsterdam
123 North Salem Road
Cross River, New York 10518

PROJECT ADMINISTRATOR: East of Hudson Watershed Corp.
P.O. Box 178
Patterson, New York 12563

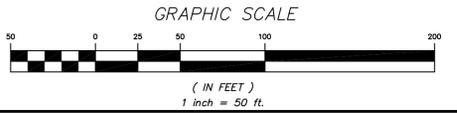


EXISTING CONDITIONS / REMOVALS PLAN
SCALE: 1" = 50'

| L-CR-28 DRAWING LIST | | |
|----------------------|-------------------------------------|-----------|
| DRAWING NO. | DRAWING NAME | SHEET NO. |
| SP-1 | EXISTING CONDITIONS / REMOVALS PLAN | 1 |
| SP-2 | LAYOUT & LANDSCAPE PLAN | 2 |
| SP-3 | GRADING & DRAINAGE PLAN | 3 |
| SP-4 | EROSION & SEDIMENT CONTROL PLAN | 4 |
| D-1 | DETAILS | 5 |
| D-2 | DETAILS | 6 |

| LEGEND | |
|--------|--|
| | Existing 2' Contour |
| | Existing 10' Contour |
| | Existing Spot Grade |
| | Existing NYSDEC Wetland |
| | Existing 100' NYSDEC Wetland Buffer |
| | Existing Pond |
| | Existing Stream |
| | Existing Rock |
| | Existing Edge of Pavement |
| | Existing Guardrail |
| | Existing Traffic Sign |
| | Existing Hedge |
| | Existing Tree Line |
| | Existing Tree |
| | Existing Tree To Be Removed |
| | Existing Drainage Structure To Be Removed/Replaced |

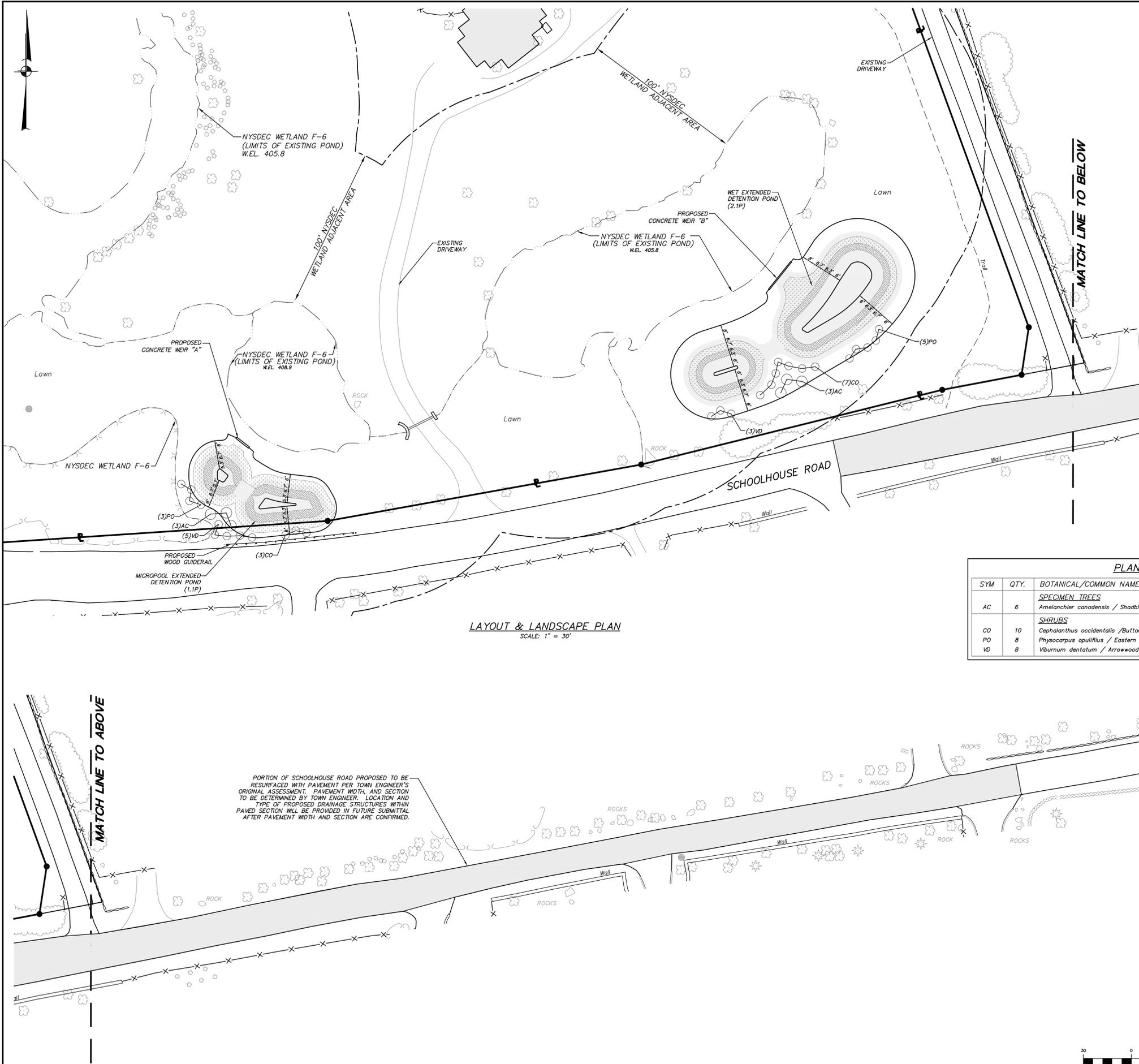
60% SUBMISSION



| NO. | DATE | REVISION | BY |
|---|-----------|-----------------|--------|
| 3 Garrett Place Carmel, NY 10512 (845) 225-9690 (845) 225-9717 fax www.insite-eng.com | | | |
| PROJECT: EAST OF HUDSON WATERSHED CORP. STORMWATER RETROFIT L-CR-28 123 NORTH SALEM ROAD, LEWISBORO, NEW YORK | | | |
| DRAWING: EXISTING CONDITIONS/REMOVALS PLAN | | | |
| PROJECT NUMBER | 13164.102 | PROJECT MANAGER | J.J.C. |
| DATE | 4-18-14 | DRAWN BY | M.J.C. |
| SCALE | 1" = 50' | CHECKED BY | Z.M.P. |
| DRAWING NO. | SHEET | | |
| | SP-1 | | 1/6 |

ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7209 OF ARTICLE 145 OF THE EDUCATION LAW.

Z:\13164102\SP-1.dwg, 4/23/2014 4:03:39 AM, eplm04, 1:1



LEGEND

- - - Existing NYSDEC Wetland
- - - Existing 100' NYSDEC Wetland Buffer
- - - Existing Pond
- - - Existing Stream
- ROCK Existing Rock
- - - Existing Edge of Pavement
- - - Existing Guardrail
- - - Existing Traffic Sign
- - - Existing Hedge
- - - Existing Line
- - - Existing Tree
- - - Proposed Wood Guide Rail

SEED MIX LEGEND

| SEED MIX #1 |
|-----------------------------|
| SHALLOW WATER EMERGENT ZONE |
| DEEPER WATER EMERGENT ZONE |

NOTE: REFER TO GENERAL SITE SEEDING NOTES AND EMERGENT ZONE PLANTING LIST FOR ADDITIONAL SEED MIX INFORMATION

- GENERAL PLANTING NOTES:**
- All proposed planting beds to receive a 12" min. depth of topsoil. Soil amendments and fertilizer application rates shall be determined based on specific testing of topsoil material.
 - Any new soils added will be amended as required by results of soil testing and placed using a method that will not cause compaction.
 - No fertilizer shall be added in stormwater basin plantings. Nutrient requirements to be met by incorporation of acceptable organic matter.
 - All plant material to be nursery grown.
 - Plants shall conform with ANSI Z60.1 American Standard for Nursery Stock in all ways including dimensions.
 - Plant material shall be taken from healthy nursery stock.
 - All plants shall be grown under climate conditions similar to those in the locality of the project.
 - Plants shall be planted in all locations designed on the plan or as staked in the field by the Landscape Architect.
 - The location and layout of landscape plants shown on the site plan shall take precedence in any discrepancies between the quantities of plants shown on the plans and the quantity of plants in the Plant List.
 - Provide a 3" layer of shredded pine bark mulch (or as specified) over entire watering saucer at all tree pits or over entire planting bed. Do not place mulch within 3" of tree or shrub trunks.
 - All landscape plantings shall be maintained in a healthy condition at all times. Any dead or diseased plants shall immediately be replaced "in kind" by the contractor (during warranty period) or project owner.
 - For all areas to be planted with emergent vegetation, soil shall be decompacted using tilling or other method approved by Landscape Architect and amended as required by results of soil testing to a depth of at least 12".

- GENERAL SITE SEEDING NOTES:**
- All proposed seeded areas to receive 4" min. depth of topsoil. Soil amendments and fertilizer application rates shall be determined based on specific testing of topsoil material.
 - Upon final grading and placement of topsoil and any required soil amendments, areas to receive permanent vegetation cover in combination with suitable mulch as follows:
 - select seed mixture per drawings and seeding notes.
 - fertilizer applied at the manufacturer's recommended rate using Lesco 10-0-18 (no phosphorus) fertilizer or equivalent.
 - 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 State Standards and Specifications for Erosion and Sediment Control, August 2005.
 - if the season prevents the establishment of a permanent vegetation cover, the disturbed areas will be mulched with straw or equivalent.
 - The seed mixes as specified on these drawings are as follows:

| | |
|---|-----|
| Seed Mix for all areas other than within basin as noted at a rate of 100 lbs. per acre: | |
| Kentucky Bluegrass | 20% |
| Creeping Red Fescue | 40% |
| Perennial Ryegrass | 20% |
| Annual Ryegrass | 20% |

- EMERGENT PLANT NOTES:**
- Prior to installation of emergent plugs, pump down or drain pond level to facilitate installation of plugs.
 - Plugs shall be installed between the following dates:
 - May 15 - June 30
 - July 1 - October 31 (irrigate twice a week for 60 days)
 - Plugs shall have a minimum size of 2" diameter and 4" depth. Plugs shall be thoroughly rooted through the container.
 - No installation of plugs shall occur until the normal water level (N.W.L.) is reached and sustained within the detention pond.
 - Plugs shall be installed as follows:
 - Shallow water emergent at water line to 6" water depths, at 18" o.c.
 - Deeper water emergent in 12" to 24" water depths, at 24" o.c.
 - At the end of the first growing season, the following shall be met:
 - Shallow water emergent community:
 - 95% of the plugs shall be alive and thoroughly rooted.
 - 50% of the shoreline shall be covered within 3 years.
 - Deeper water emergent community:
 - 75% of the plugs shall be alive and thoroughly rooted.
 - 40% of the shoreline shall be covered within 3 years.

PLANT LIST

| SYM | QTY. | BOTANICAL/COMMON NAME | SIZE | ROOT/SPACING |
|-----|------|---|---------------|--------------|
| AC | 6 | SPECIMEN TREES Amelanchier canadensis / Shadblow Serviceberry | 8' - 10' HT. | B&B |
| CO | 10 | SHRUBS Cephalanthus occidentalis / Buttonbush | 24" - 36" HT. | #3 CONT. |
| PO | 8 | Physocarpus opulifolius / Eastern Ninebark | 24" - 36" HT. | #3 CONT. |
| VD | 8 | Viburnum dentatum / Arrowwood Viburnum | 24" - 36" HT. | #3 CONT. |

EMERGENT ZONE PLANTING LIST

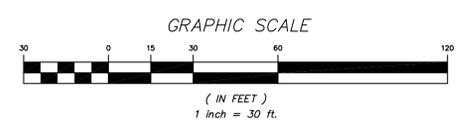
| BOTANICAL/COMMON NAME | ROOT/SPACING |
|---|--|
| SHALLOW WATER EMERGENT ZONE (1,615 Plugs Total) | Plug / 18" O.C. (Groupings of 5-10 plugs) |
| Carex stricta / Common Tussock Sedge | |
| Juncus effusus / Common Rush | |
| Scirpus oculus / Hard-stem Bulrush | |
| Scirpus validus / Soft-stem Bulrush | |
| Iris virginica / Blue Flag Iris | |
| Pontederia cordata / Pickerelweed | |
| Sparganium eurycarpum / Common Burreed | |
| DEEPER WATER EMERGENT ZONE (568 Plugs Total) | Plug / 24" O.C. (Groupings of 5-10) |
| Nuphar advena / Yellow Pond Lily | |
| Nymphaea tuberosa / White Water Lily | |
| Potamogeton natans / Common Pond Weed | |

60% SUBMISSION

PORTION OF SCHOOLHOUSE ROAD PROPOSED TO BE RESURFACED WITH PAVEMENT PER TOWN ENGINEER'S ORIGINAL ASSESSMENT. PAVEMENT WIDTH, AND SECTION TO BE DETERMINED BY TOWN ENGINEER. LOCATION AND TYPE OF PROPOSED DRAINAGE STRUCTURES WITHIN PAVED SECTION WILL BE PROVIDED IN FUTURE SUBMITTAL AFTER PAVEMENT WIDTH AND SECTION ARE CONFIRMED.

LAYOUT & LANDSCAPE PLAN
SCALE: 1" = 30'

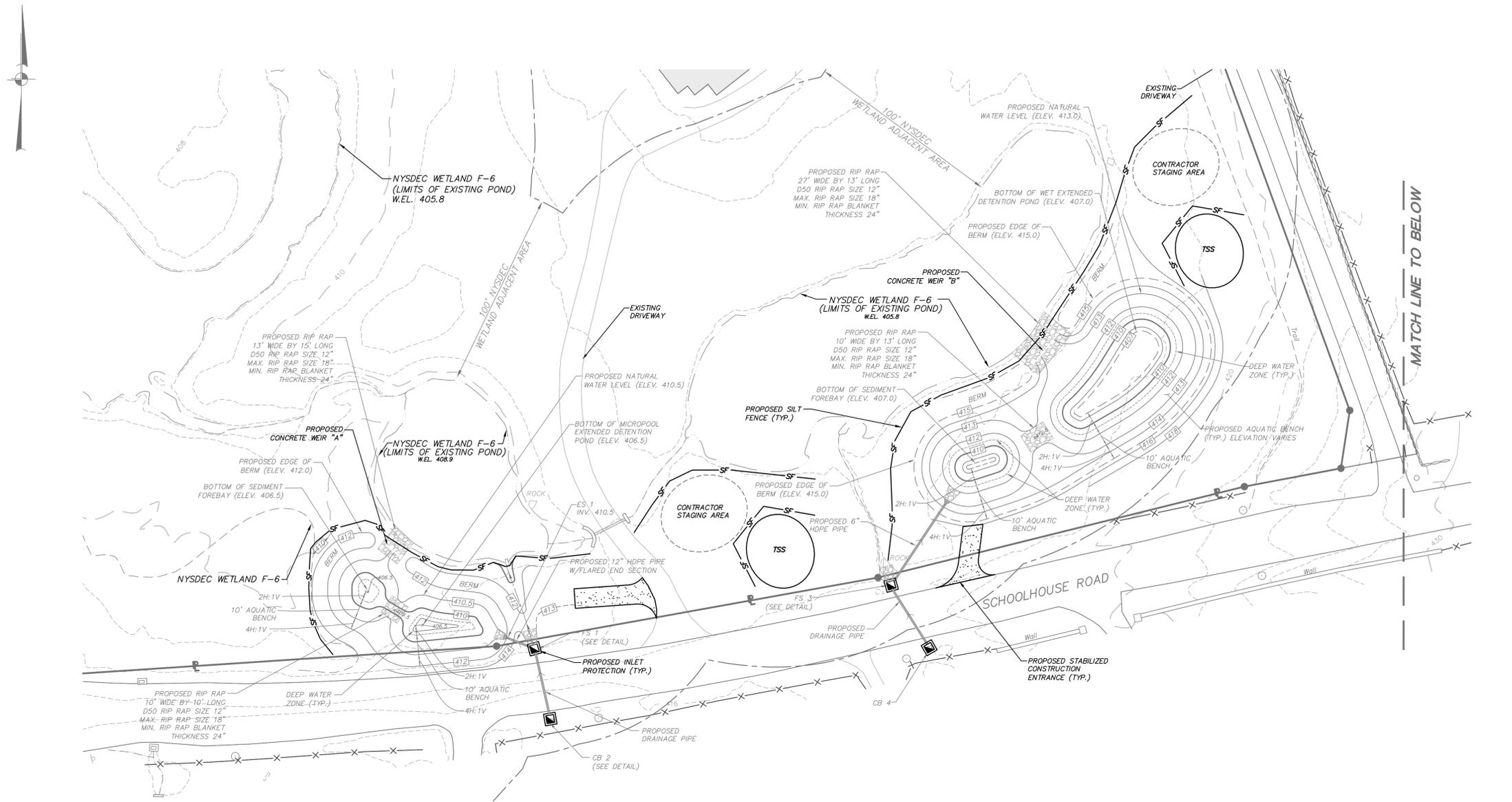
LAYOUT & LANDSCAPE PLAN
SCALE: 1" = 30'



ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7209 OF ARTICLE 145 OF THE EDUCATION LAW.

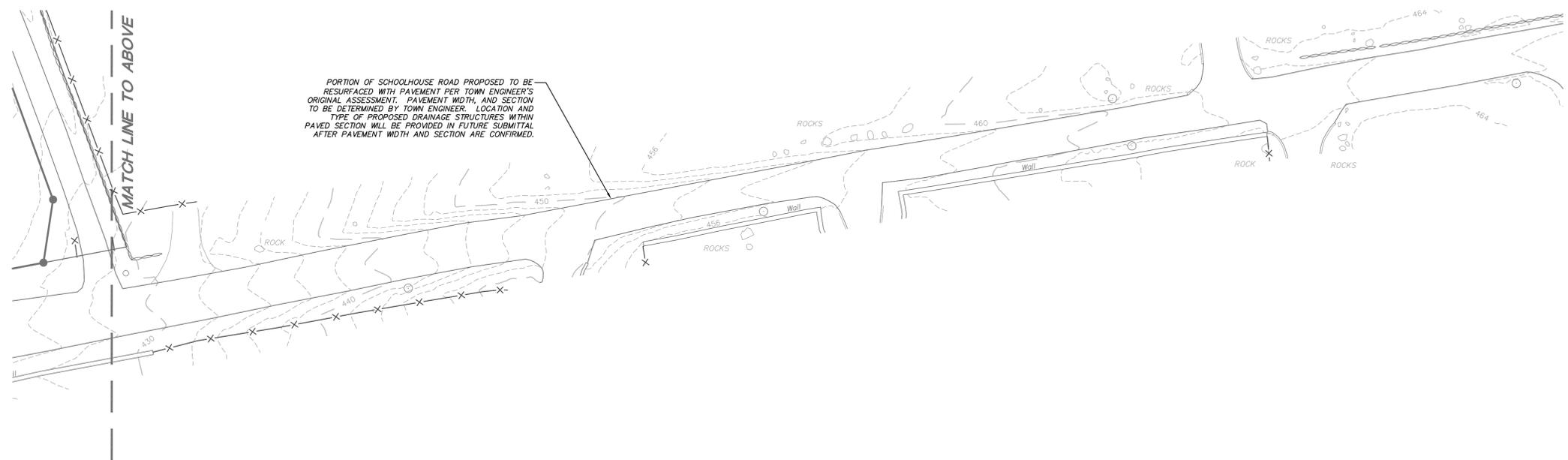
| | | | |
|--|-----------|---|--------|
| NO. | DATE | REVISION | BY |
| | | | |
| PROJECT: EAST OF HUDSON WATERSHED CORP. STORMWATER RETROFIT L-CR-28 SCHOOLHOUSE ROAD, LEWISBORO, NEW YORK | | 3 Garrett Place Carmel, NY 10512 (845) 225-9690 (845) 225-9717 fax www.insite-eng.com | |
| DRAWING: LAYOUT & LANDSCAPE PLAN | | | |
| PROJECT NUMBER | 13164.102 | PROJECT MANAGER | J.J.C. |
| DATE | 4-18-14 | DRAWN BY | M.J.C. |
| SCALE | 1" = 30' | CHECKED BY | Z.M.P. |
| | | DRAWING NO. | SHEET |
| | | SP-2 | 2 / 6 |

Z:\13164.102\SP-2.dwg 4/23/2014 8:05:27 AM gpmc@insite.com



EROSION AND SEDIMENT CONTROL PLAN
SCALE: 1" = 30'

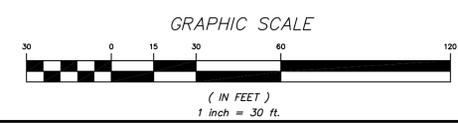
| LEGEND | |
|--------|---|
| | Existing 2' Contour |
| | Existing 10' Contour |
| | Existing NYSDEC Wetland |
| | Existing 100' NYSDEC Wetland Buffer |
| | Existing Pond |
| | Existing Stream |
| | Existing Rock |
| | Existing Edge of Pavement |
| | Existing Guardrail |
| | Existing Traffic Sign |
| | Proposed Silt Fence |
| | Proposed Topsoil Stockpile |
| | Proposed Stabilized Construction Entrance |



EROSION AND SEDIMENT CONTROL PLAN
SCALE: 1" = 30'

60% SUBMISSION

| NO. | DATE | REVISION | BY |
|---|-----------|-----------------|--------|
| ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C. | | | |
| PROJECT: EAST OF HUDSON WATERSHED CORP. STORMWATER RETROFIT L-CR-28 SCHOOLHOUSE ROAD, LEWISBORO, NEW YORK | | | |
| EROSION AND SEDIMENT CONTROL PLAN | | | |
| PROJECT NUMBER | 13164.102 | PROJECT MANAGER | J.J.C. |
| DATE | 4-18-14 | DRAWN BY | M.J.C. |
| SCALE | 1" = 30' | CHECKED BY | Z.M.P. |
| DRAWING NO. | SHEET | | |
| | SP-4 | | 4/6 |



ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7209 OF ARTICLE 145 OF THE EDUCATION LAW.

Z:\13164.102\SP-4.dwg, 4/23/2014 8:08:27 AM, jpp@insite.com

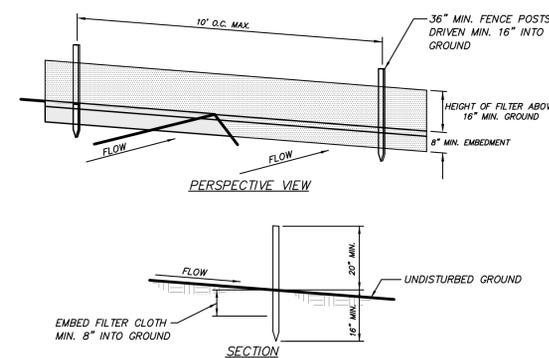
EROSION AND SEDIMENT CONTROL NOTES:

- The Erosion and Sediment Control Plan is only to be referred to for the installation of sedimentation and erosion control measures. For all other construction related activities, including, but not limited to, grading and utilities, refer to the appropriate drawings.
- The NYSDEC Trained Contractor will be responsible for the implementation and maintenance of sediment and erosion control measures on this site prior to and during construction.
- 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 edition.
- Wherever feasible, natural vegetation should be retained and protected. Disturbance shall be minimized in the areas required to perform construction. No more than 5 acres of unprotected soil shall be exposed at any one time.
- When land is exposed during development, the exposure shall be kept to the shortest practical period of time, but in no case more than 14 days after the construction activity in that portion of the site has ceased. Disturbance shall be minimized in the areas required to perform construction.
- 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.
- The stabilized construction entrance, silt fence, and orange construction fence shall be installed as shown on the plans prior to beginning any clearing, grubbing or earthwork.
- All topsoil to be stripped from the area being developed shall be stockpiled and immediately seeded with *Lolium perenne aristatum* or *Lolium perenne multiflorum* for temporary stabilization. *Lolium perenne aristatum* shall be used for winter seeding and *Lolium perenne multiflorum* shall be used for spring and summer seeding.
- Any graded areas not subject to further disturbance or construction traffic shall, within 10 days of final grading, receive permanent vegetative cover in combination with a suitable mulch. All seeded areas to receive a minimum 4" topsoil (from stockpile area) and be seeded and mulched in accordance with the General Site Seeding notes on drawing SP-2.
 - Seed mixture to be planted between March 21 and May 20, or between August 15 and October 15 or as directed by project representative at a rate of 50 pounds per acre in the following proportions:
 - Kentucky Bluegrass 20%
 - Creeping Red Fescue 40%
 - Perennial Ryegrass 20%
 - Annual Ryegrass 20%
 - 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 Specifications For Erosion and Sediment Control," latest edition.
- Grass seed mix may be applied by either mechanical or hydroseeding methods. Hydroseeding shall be performed in accordance with the current edition of the "NYSDEC Standard Specification, Construction and Materials, Section 610-3.02, Method No. 1".
- Cut or fill slopes 3:1 or greater shall be stabilized immediately after grading with Curlex I Single Net Erosion Control Blanket, or approved equal.
- Paved roadways shall be kept clean at all times.
- The site shall at all times be graded and maintained such that all stormwater runoff is diverted to soil erosion and sediment control facilities.
- All storm drainage outlets shall be stabilized, as required, before the discharge points become operational.
- Stormwater from disturbed areas must be passed through erosion control barriers before discharge beyond disturbed areas or discharged into other drainage systems.
- Sedimentation and erosion 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 sediment and erosion control measures shall be immediately repaired by the contractor and inspected for approval by the NYSDEC Trained Contractor and/or site engineer.
- Dust shall be controlled by sprinkling or other approved methods as necessary, or as directed by the NYSDEC Trained Contractor.
- Cut and fills shall not endanger adjoining property, nor divert water onto the property of others.
- All fills shall be placed and compacted in 6" lifts to provide stability of material and to prevent settlement.
- The NYSDEC Trained Contractor shall inspect downstream conditions for evidence of sedimentation on a weekly basis and after rainstorms.
- As warranted by field conditions, special additional sedimentation and erosion control measures, as specified by the site engineer, the EOHWC and/or NYDEC shall be installed by the contractor.
- Erosion control measures shall remain in place until all disturbed areas are suitably stabilized.
- Refer to the Stormwater Pollution Prevention Plan for additional details regarding long-term maintenance of the storm drainage facilities.

REQUIRED EROSION CONTROL SWPPP CONTENTS:

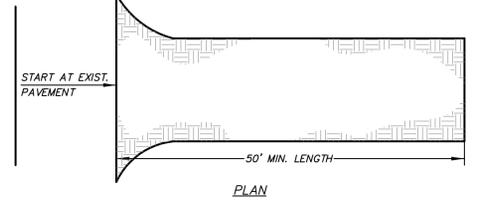
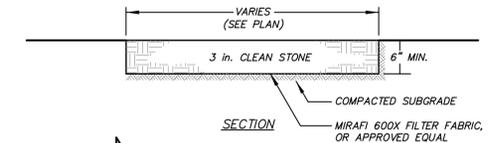
Pursuant to the NYSDEC "SPDES General Permit for Stormwater Discharges from Construction Activity" (GP-0-10-001), all Stormwater Pollution Prevention Plans (SWPPP) shall include erosion and sediment control practices designed in conformance with the most current version of the technical standard, "New 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 the equivalence to the technical standard. The following list of required SWPPP components is provided in accordance with Part III.B.1a-1 of General Permit GP-0-10-001:

- Background Information: The subject project consists of the installation of a wet extended detention pond (P-3) and a Micropond Extended Detention Pond as part of the Westchester County M54 Coordinating Committee Year 3 NYSDEC Approved Retrofit Plan. Administration and construction of the retrofit is being implemented by the East of Hudson Watershed Corporation (EOHWC) Retrofit Project.
- Site map / construction drawing: This plan serves to satisfy this SWPPP requirement for planimetric design and details.
- Description of the soils present at the site: Onsite soils located within the proposed limits of disturbance consist of Sun loam (S1), as identified on the Soil Conservation Service Web Soil Survey. This soil soil type belongs to the Hydrologic Soil Group "D."
- Construction phasing plan / sequence of operations: The project will not be phased. A Construction Sequence 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. As less than five acres of disturbance is proposed all site activity can occur concurrently and does not need to be phased.
- 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 hereon identify temporary and permanent stabilization measures to be employed with respect to specific elements of the project, and at the various stages of development.
- Site map / construction drawing: This plan serves to satisfy this SWPPP requirement for erosion control notes and details.
- The dimensions, material specifications, installation details, and operation and maintenance requirements for all erosion and sediment control practices: The Details, Sedimentation and Erosion Control Notes and Erosion and Sediment Control Maintenance Schedule serve to satisfy this SWPPP requirement.
- An inspection schedule: Weekly inspections are not required by the General Permit GP-0-10-001. The NYSDEC Trained Contractor shall perform inspections as cited in the Sedimentation and Erosion Control Notes.
- 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.
- 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."

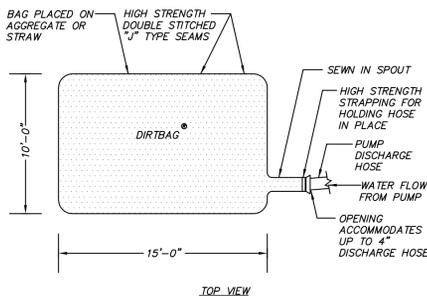


- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**
- FILTER CLOTH TO BE FASTENED SECURELY TO POSTS AT TOP AND SECTION TO HARDWOOD POSTS: STEEL EITHER T OR U TYPE
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUAL
 PREFABRICATED UNIT: GEOPAB, ENVIROFENCE, OR APPROVED EQUAL

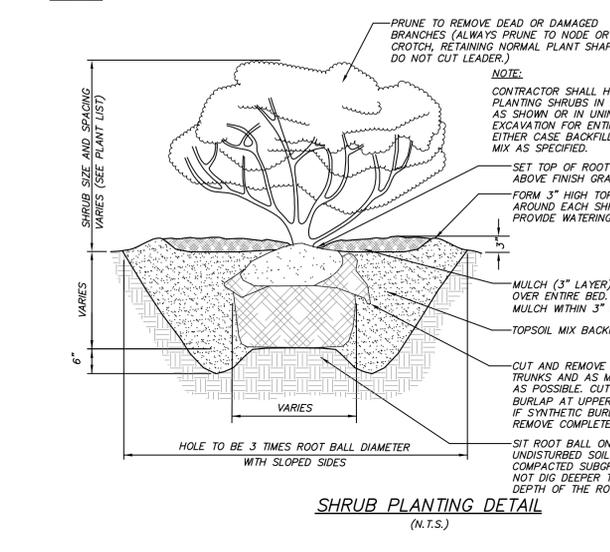
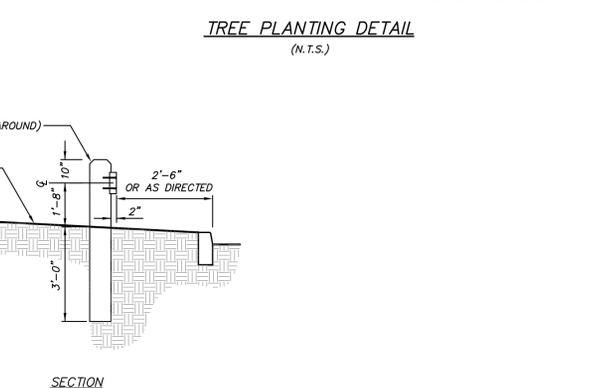
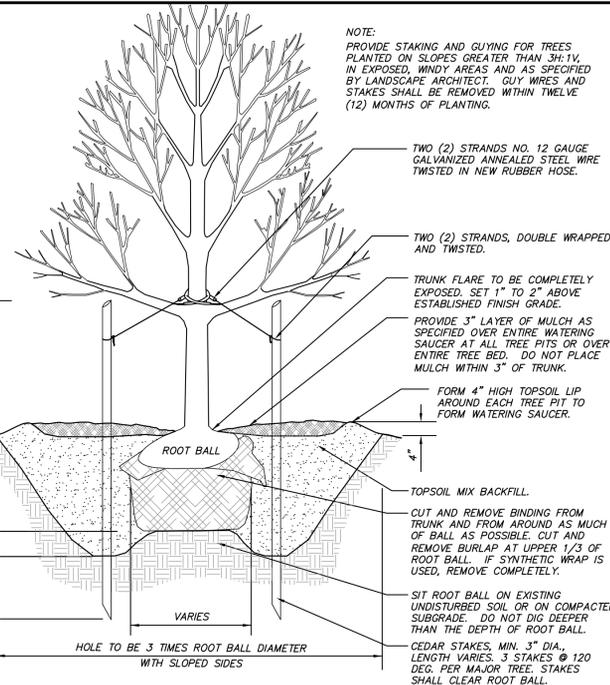
SILT FENCE DETAIL
(N.T.S.)



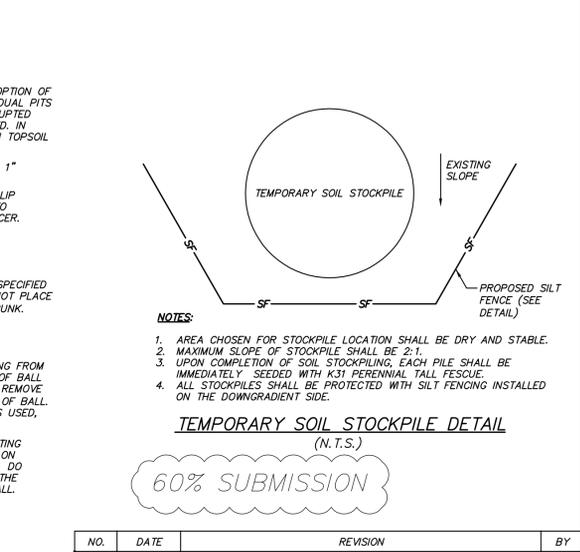
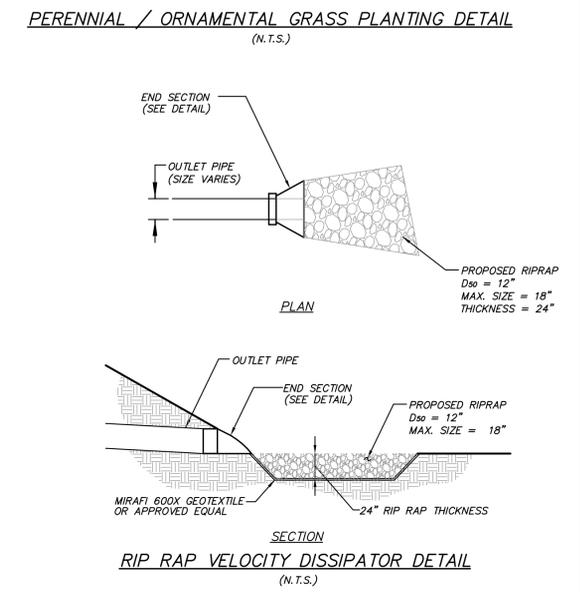
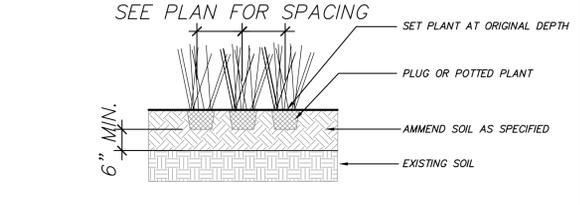
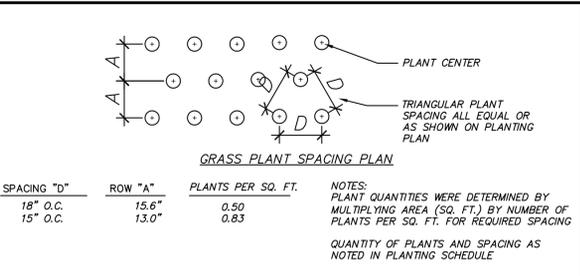
- INSTALLATION NOTES**
- STONE SIZE - USE 3" STONE
 - LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.)
 - THICKNESS - NOT LESS THAN SIX (6) INCHES.
 - WIDTH - 10 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCUR.
 - FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
 - 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.
 - 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 TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.
 - 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.
 - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
- STABILIZED CONSTRUCTION ENTRANCE DETAIL**
(N.T.S.)



- NOTES:**
- PUMPED SILT CONTROL SYSTEM TO BE LOCATED WHERE WATER, AFTER PASSING THROUGH SYSTEM, WILL NOT CAUSE EROSION.
 - PUMPED SILT CONTROL SYSTEM TO BE MONITORED AND MAINTAINED TO ASSURE ADEQUATE FILTRATION.
 - PUMPED SILT CONTROL SYSTEM TO BE MANUFACTURED BY ACF ENVIRONMENTAL (1-800-448-3636) OR APPROVED EQUAL.
- "DIRTBAG" PUMPED SILT CONTROL SYSTEM DETAIL**
(N.T.S.)



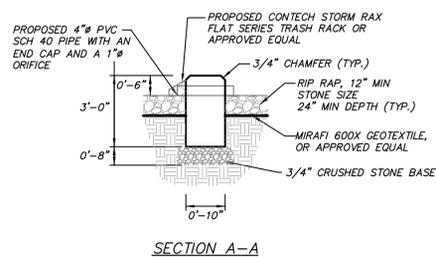
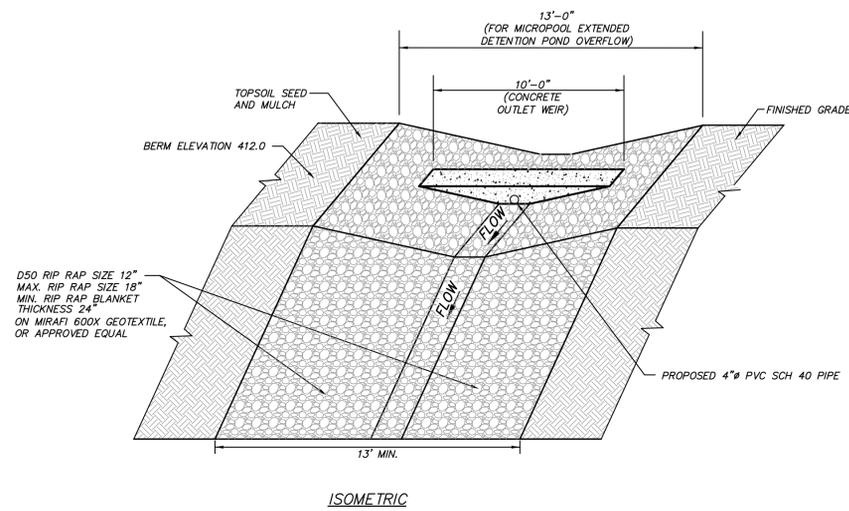
- Excavation Dewatering Contingency Requirements**
- The contractor shall maintain a contingency excavation dewatering kit consisting of a minimum of the following:
- (1) Submersible 2" electric trash pump with float switch, model #HS2.4S-61 as manufactured by Tsurumi Pumps or approved equal. 3000 GPM, max head 39 ft.
 - (1) Generator to run the electric trash pump.
 - (3) 4' x 8' sheets of 1/2" plywood
 - (20) Haybales
 - (200 LF) 2" hose
 - (100 LF) silt fence
 - (20 CY) 3/4" washed crushed stone
 - (20 LF) 12" perforated HDPE pipe



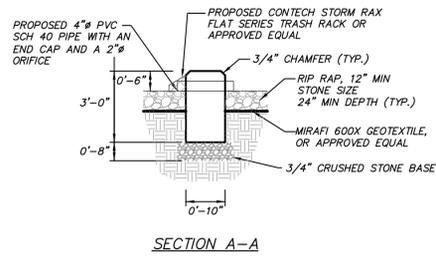
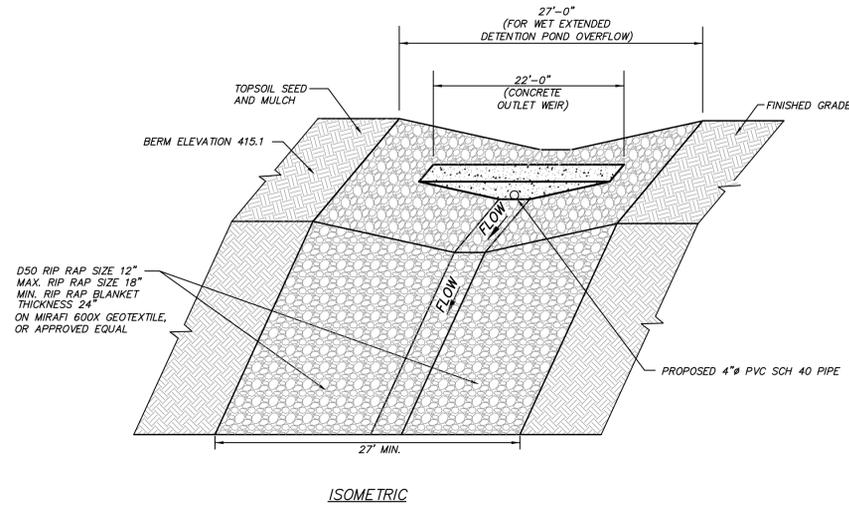
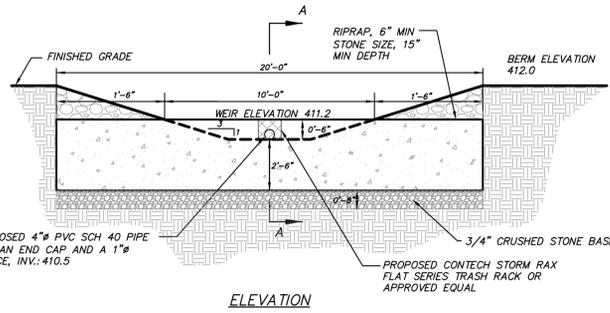
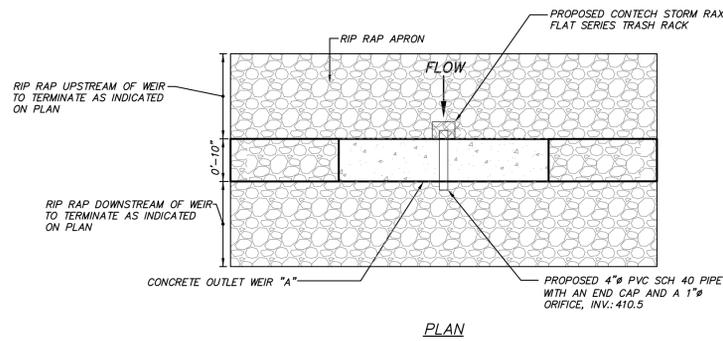
60% SUBMISSION

| NO. | DATE | REVISION | BY |
|---|-----------|---|--------|
| INSITE ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C. | | | |
| PROJECT: EAST OF HUDSON WATERSHED CORP. STORMWATER RETROFIT L-CR-28 SCHOOLHOUSE ROAD, LEWISBORO, NEW YORK | | 3 Garrett Place Carmel, NY 10512 (845) 225-9890 (845) 225-9717 fax www.insite-eng.com | |
| DETAILS | | | |
| PROJECT NUMBER | 13164.102 | PROJECT MANAGER | J.J.C. |
| DATE | 4-18-14 | DRAWN BY | M.J.C. |
| SCALE | AS SHOWN | CHECKED BY | Z.M.P. |
| DRAWING NO. | SHEET | | |
| | D-1 | | 5 |
| | | | 6 |

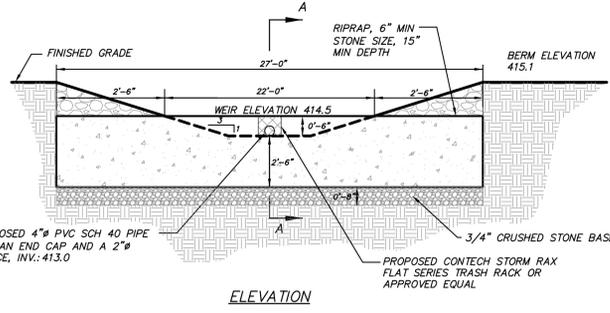
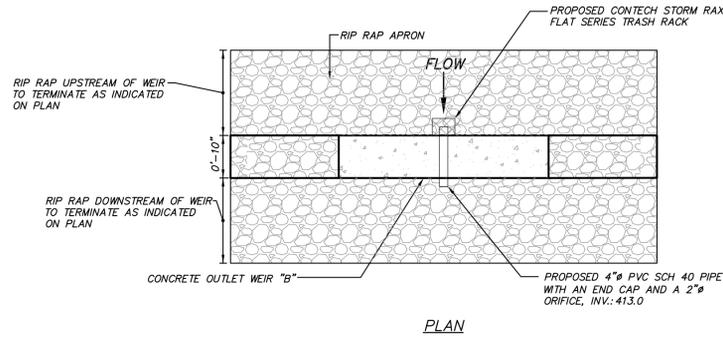
ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7209 OF ARTICLE 145 OF THE EDUCATION LAW.



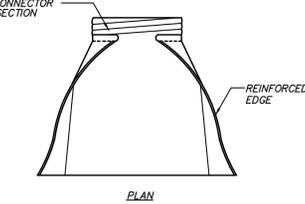
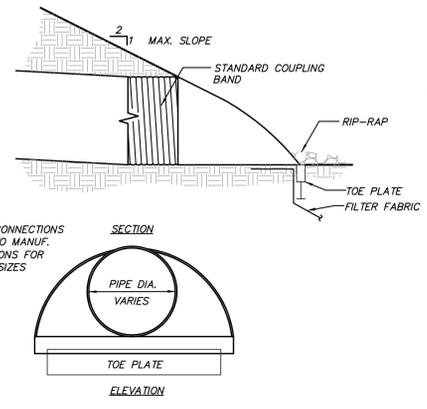
PRECAST CONCRETE OUTLET WEIR "A" AND RIP RAP EMERGENCY OVERFLOW DETAIL (N.T.S.)



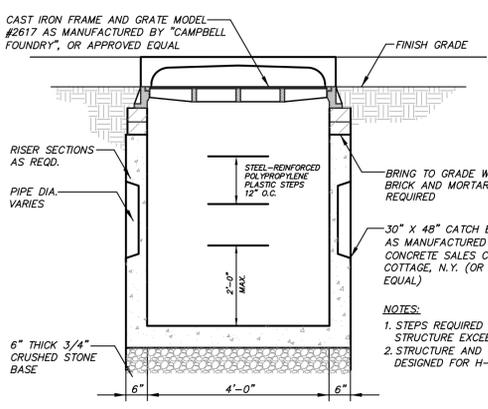
PRECAST CONCRETE OUTLET WEIR "B" AND RIP RAP EMERGENCY OVERFLOW DETAIL (N.T.S.)



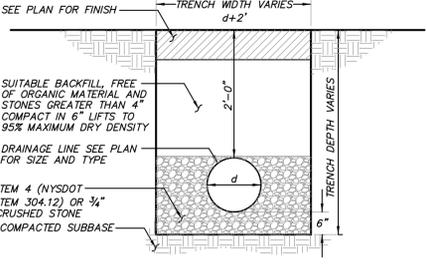
NOTE:
END SECTION CONNECTIONS TO CONFORM TO MANUF. RECOMMENDATIONS FOR VARIOUS PIPE SIZES



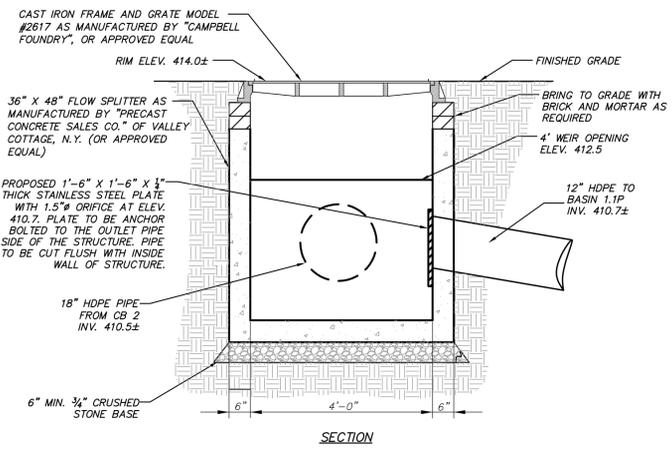
END SECTION DETAIL (N.T.S.)



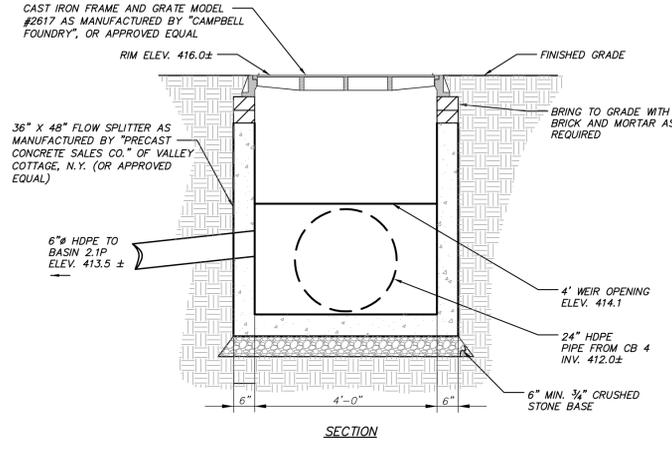
CATCH BASIN DETAIL (N.T.S.)



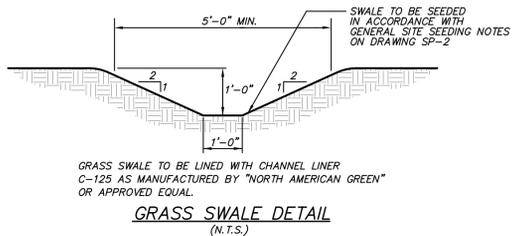
DRAINAGE LINE TRENCH DETAIL (N.T.S.)



FLOW SPLITTER FS 1 DETAIL (N.T.S.)



FLOW SPLITTER FS 3 DETAIL (N.T.S.)



GRASS SWALE DETAIL (N.T.S.)

60% SUBMISSION

| NO. | DATE | REVISION | BY |
|---|-----------|---|--------|
| INSITE ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C. | | | |
| PROJECT: EAST OF HUDSON WATERSHED CORP. STORMWATER RETROFIT L-CR-28 SCHOOLHOUSE ROAD, CROSS RIVER, NEW YORK | | 3 Garrett Place Carmel, NY 10512 (845) 225-9690 (845) 225-9717 fax www.insite-eng.com | |
| DETAILS | | | |
| PROJECT NUMBER | 13164.102 | PROJECT MANAGER | J.J.C. |
| DATE | 4-18-14 | DRAWN BY | M.J.G. |
| SCALE | AS SHOWN | CHECKED BY | Z.M.P. |
| DRAWING NO. | | SHEET | |
| D-2 | | 6 | |

ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7209 OF ARTICLE 145 OF THE EDUCATION LAW.