

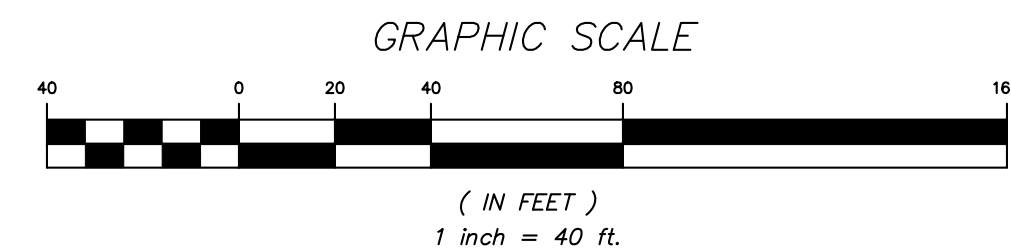
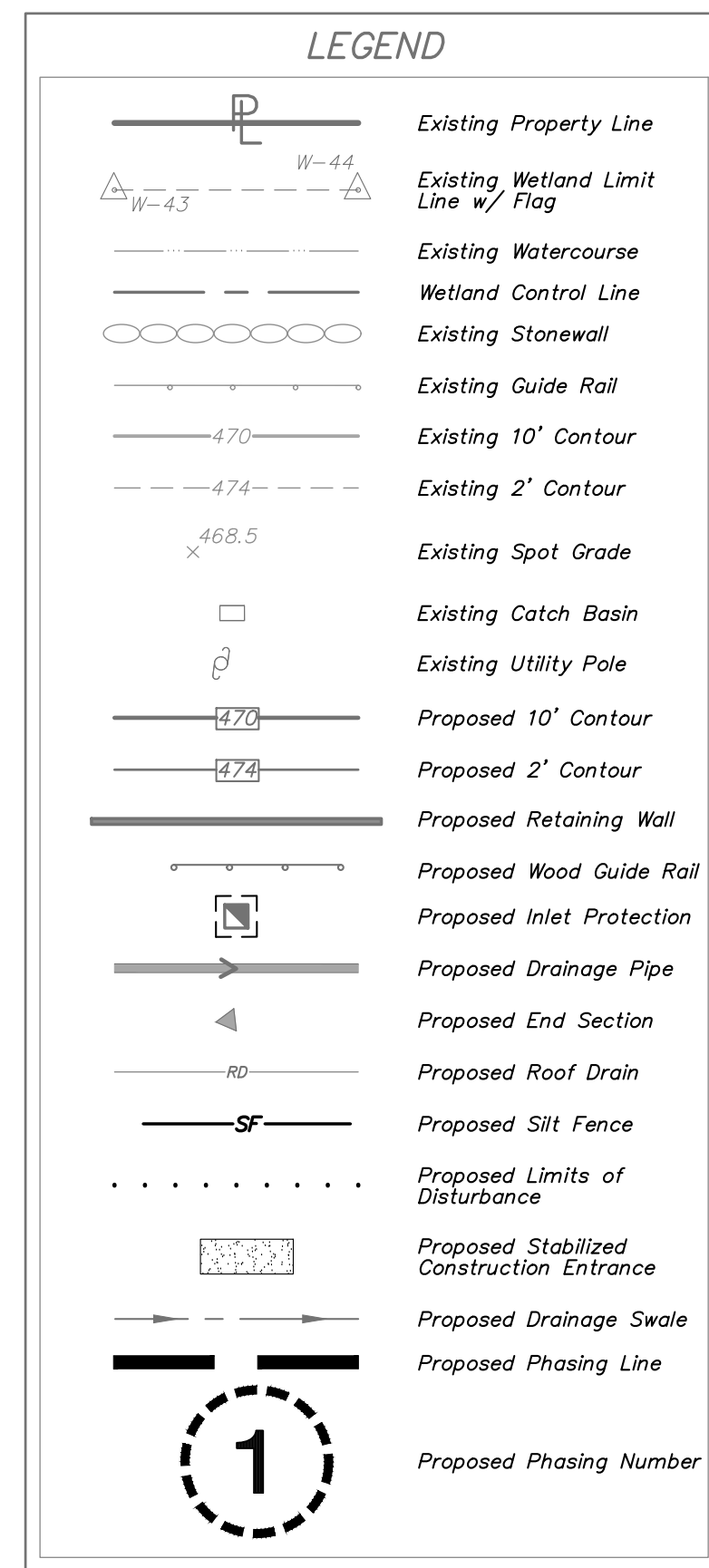
EROSION & SEDIMENT CONTROL NOTES:

- The owner's field representative (O.F.R.) 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 entrances, 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 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 as follows:
• 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 Specification 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 "NYSOT Standard Specification, Construction and Materials, Section 610-3.02, Method No. 1".
- Cut or fill slopes 2H:1V or steeper 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 O.F.R. 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 O.F.R. and/or site engineer.
- Dust shall be controlled by sprinkling or other approved methods as necessary, or as directed by the O.F.R.
- Cut and fill 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 O.F.R. 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 and/or the Town Engineer shall be installed by the contractor.
- Erosion control measures shall remain in place until all disturbed areas are suitably stabilized.

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.

REQUIRED EROSION CONTROL SWPPP CONTENTS:

- 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-l of General Permit GP-0-20-001:
- Background Information: The subject project consists of the construction of a firehouse to be serviced by a drilled well and subsurface sewage treatment system (SSTS).
 - Site map / construction drawing: This plan serves to satisfy this SWPPP requirement.
 - Description of the soils present at the site: Onsite soils located within the proposed limits of disturbance consist of Charlton-Charlton complex (CnC), Charlton loam (ChE), Paxton fine sandy loam - 2-8% slopes (PnB), Paxton fine sandy loam - 8-15% slopes (PnB), Paxton fine sandy loam - 15-25% slopes (PnB), Paxton fine sandy loam - 8-15% slopes, very stony (PnB), Leicester loam (LeB) as identified on the Soil Conservation Service Web Soil Survey. These soil types belong to the Hydrologic Soil Groups "B" and "C".
 - Construction phasing plan / sequence of operations: The project will not be phased. 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. 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.
 - 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: Inspections are to be performed weekly and by a qualified professional as required by the General Permit GP-0-20-001. In addition the Owner's Field Representative (OFR) shall perform additional 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 Sequence Phase 1 (3.4 Acres)

- Install stabilized construction entrance and silt fence in general locations indicated on the plan.
- Clear and grub trees in limits of Phase 1.
- Complete coping activities per plans prepared by HDR.
- Construct drainage structures and piping from SDI 16 to ES 15.
- Construct temporary sediment trap 1.1P and stormwater basin 2.2P. Provide bypass pipe from 2.1P to outlet structure.

Phase 2A (1.4 Acres) (Excluding 0.4 Acres Phase 1 Overlap)

- Phase 2A can take place at the same time as Phase 1.
- Clear and grub trees in limits of disturbance.
- Install silt fence in general locations indicated on the plan.
- Construct temporary sediment trap 1.1P in front. Install outlet structure, drainage piping and temporary outlet.
- Begin clearing and grubbing operations associated with building and parking areas.
- Strip and stockpile topsoil on site for later use in lawn and landscape areas.
- Begin excavation for foundation and lower parking lot grading.

Phase 2B (1.4 Acres)

- Once Phase 1 areas are stabilized, begin Phase 2B.
- Install silt fence in general locations indicated on the plan.
- Install SSTS and well.
- Install drainage structures and piping, as well as other utilities as required.
- Upon completion of grading operations, install finished driveway surfaces.
- Topsoil, seed, and mulch all disturbed areas as soon as practical in accordance with the Sedimentation and Erosion Control Notes contained on this page.
- Construct stormwater basin 1.2P.
- After completion of construction activities and after all of the contributing areas to the stormwater practices have been permanently stabilized, convert the temporary sediment traps to permanent stormwater basins and remove temporary bypass pipe in accordance with the plans and details. Remove accumulated sediment from traps and outlet structures. Establish the final vegetation in the basins.

FOR GENERAL NOTES SEE DRAWING SP-1.

6	1-21-21	REVISED PER PCDFH COMMENTS	MEU
5	12-7-20	REVISED PER TOWN & PCDFH COMMENTS	JWM
4	9-16-20	REVISED FOR PCDFH SUBMISSION	JWM
3	8-13-20	ISSUED FOR BID	JWM
2	2-18-20	REVISED PER TOWN COMMENTS	GM
1	1-21-20	REVISED PER TOWN COMMENTS	GM
NO.	DATE	REVISION	BY

ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.

PROJECT:
**POTNAM VALLEY FIRE STATION #1
AND AMENDED SITE PLAN FOR
POTNAM VALLEY AMBULANCE CORPS**
OSCAMANA LAKE ROAD, TOWN OF POTNAM VALLEY, COUNTY OF POTNAM, NEW YORK

DRAWING:
**EROSION & SEDIMENT CONTROL &
PHASING PLAN**

PROJECT NUMBER	09105.100	PROJECT MANAGER	J.J.C.	DRAWING NO.	SHEET
DATE	9-13-19	DRAWN BY	E.J.K.	SP-3.1	5
SCALE	1" = 40'	CHECKED BY	E.M.S.		

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