ROBERT LAGA Chairman

NICHOLAS FANNIN Vice Chairman

RICHARD FRANZETTI, P.E. Wetland Inspector

ROSE TROMBETTA Secretary

TOWN OF CARMEL ENVIRONMENTAL CONSERVATION BOARD



60 McAlpin Avenue Mahopac, New York 10541 Tel. (845) 628-1500 - Ext. 190 www.ci.carmel.ny.us

BOARD MEMBERS

Edward Barnett Vincent Turano Anthony Federice

ENVIRONMENTAL CONSERVATION BOARD AGENDA

OCTOBER 15, 2020 - 7:30 P.M.

ELIGIBLE FOR A PERMIT

APPLICANT

ADDRESS

TAX MAP #

COMMENTS

1. White Sail Condominiums 4 Marina Drive c/o Lions Gate Property Mgmt 76.5-1-52

Replace Existing Retaining Wall

SUBMISSION OF AN APPLICATION OR LETTER OF PERMISSION

2. Mahopac Point Owner's Tamarack Road & N/A Repair Drainage System Sycamore Road

MISCELLANEOUS

3. Minutes - 09/03/20 & 09/17/20



October 8, 2020

Town of Carmel Environmental Conservation Board Carmel Town Hall 60 McAlpin Avenue Mahopac, New York 10541

RE: Mahopac Point Owner's Association Private Drainage System Repair Town of Carmel, New York

Dear Chairman Laga and Members of the Board:

Enclosed please find the following information in support of a Letter of Permission for the above referenced project:

- Project Plans (3 sheets total) dated September 25, 2020.
- \$150.00 Letter of Permission fee.

As the board is aware, the Mahopac Point Community is a private community located on a peninsula that extends into Lake Mahopac. The Mahopac Point Owners Association (MPOA) owns and maintains the existing roads around the point, including the existing drainage infrastructure. Based on multiple site visits and exploratory investigations by our office it was determined that much of the existing network of drainage structures and piping around the Point is in a state of disrepair and is in need of an upgrade. Many of the existing drainage structures are constructed of stone and date back almost 90 years. It was found during our investigation of the existing infrastructure that many of the existing pipes which consisted of a variety of materials were also in a state of disrepair. Based on video investigation it was determined that many of the pipes, including the lake drain pipes, were either clogged, partially separated at pipe joints, or consisted of corrugated metal pipes that were completed rotted along the bottom. The existing condition of the pipes is currently contributing to the sediment that is ultimately transported directly to Lake Mahopac.

The Mahopac Point Owner's Association was before your Board in the Fall of 2018 for a letter of permission to complete drainage system repairs at two (2) of the onsite intersections. The Board reviewed the application and granted a letter of permission for the drainage system repairs. This work was then started and completed in the Spring / Summer of 2019 and the current plans are for repairs at a different location on the point.

The enclosures are being submitted for the review and issuance of another letter of permission for a drainage system repair at the interection of Tamarack and Sycamore. The plans include notes and details from the Board's comments received on the previous application. Specifically, the enclosed plans include additional construction notes to address the Board's previous concerns relative to the completion of the drainage improvements.

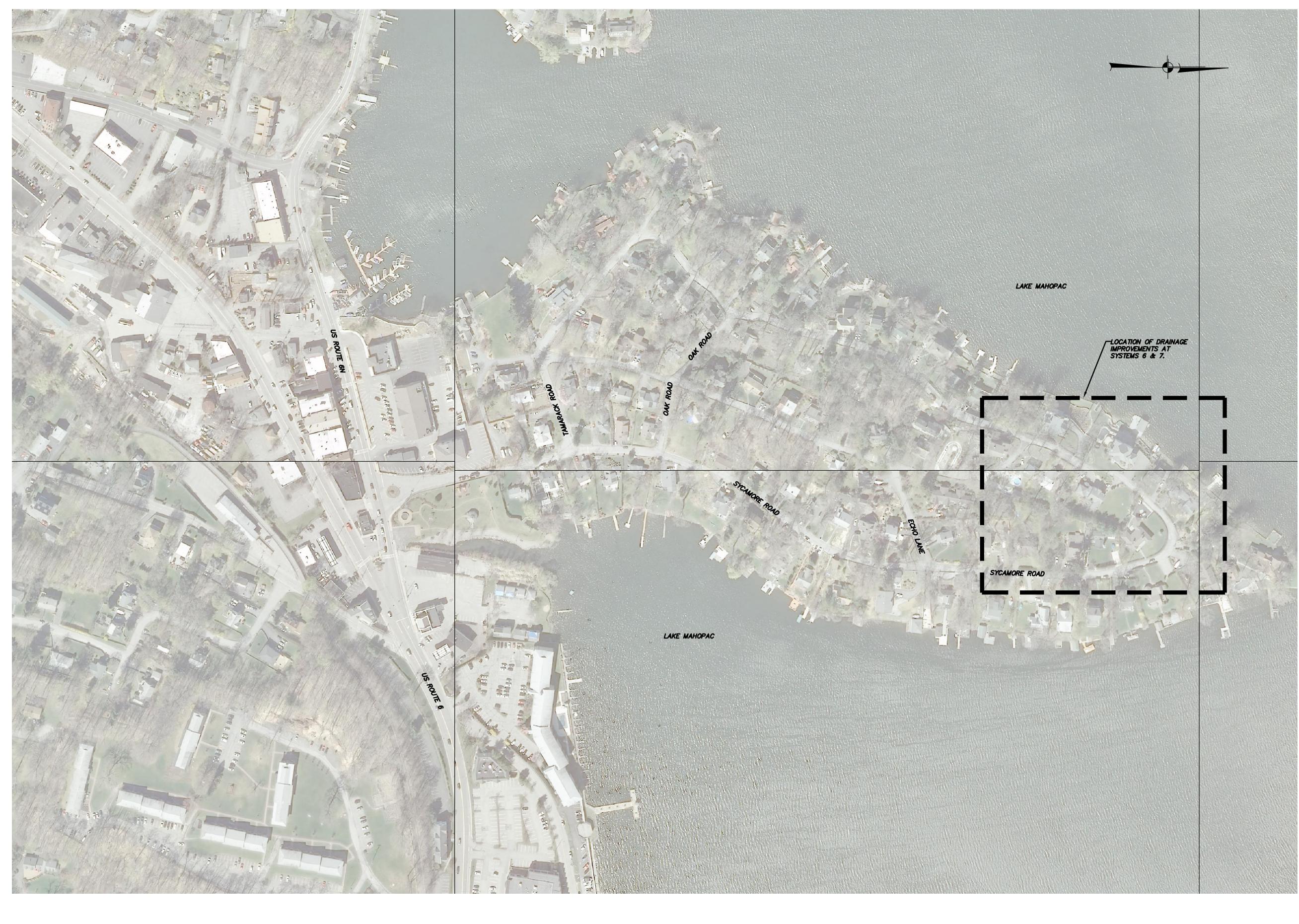
If you have any questions or comments regarding this information, please do not hesitate to contact our office.

Very truly yours,

INSITE ENGINEERING & LANDSCAPE ARCHITECTURE, P.C.

By: John M. Watson, P.E. Senibr Principal Engineer JMW/zmp/cbz

cc: Andreas Kuhbier, Mahopac Point Owners Association with enclosures Richard Franzetti P.E., Town of Carmel Engineer, with enclosures Insite File No. 14186.100

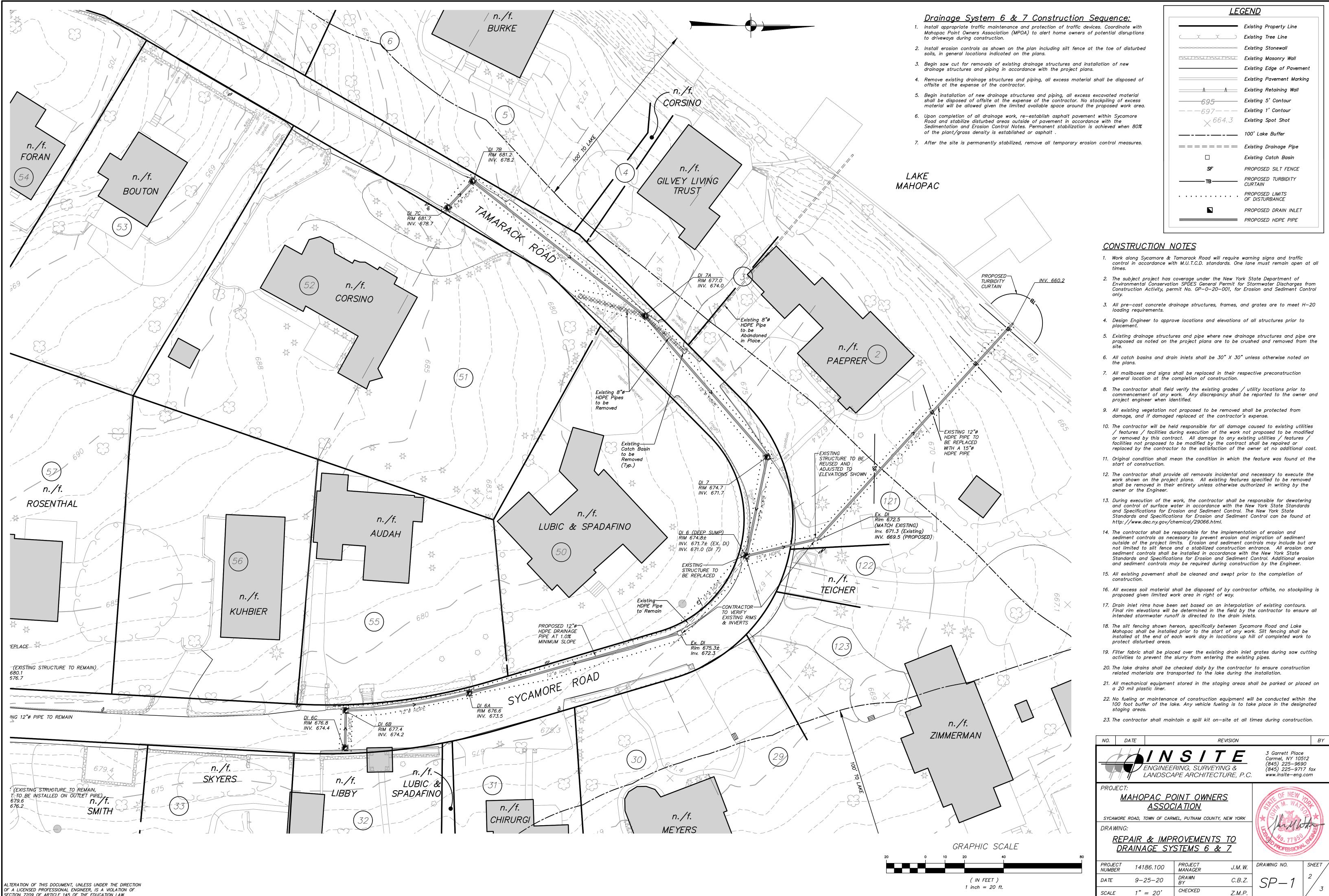


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 Supplemental localized topography, spot grades and existing conditions per survey fieldwork completed Octaber 30, 2014 by insite Engineering, Surveying & Landscape Architecture, P.C are infinited to the site-specific work area limits are not updated or included hereon. Property line is shown hereon per a map entitled Map Showing Private Roadways Perpared Dr. Mahopac Point Owners Association, Inc., doted March 28, 2014, prepared by Robert Barter, IS. Meridian shown hereon is referenced to the New York State Plane Coardinate System (NAD 83) NY East as derived by GPS observation. Base map information was taken from NYS Othrainagery dated April of 2013. Proposed features labeled as such, all else existing. The contractor shall call "Dig Sofely – New York" (811) prior to the start of construction. The contractor shall notify the Engineer and the Mahopac Point Owner's Association (MPOA) at least 48 hours prior to the start of construction for an onsite Pre-Construction meeting. No. DATE REVSION No. DATE REVSION 		Topography, spot grades and existin photography dated April 14, 2003 of scale of 1" = 40'. Elevations shown Vertical Datum of 1988 (N.A.V.D, 19	nd is photogrametrically comp hereon conform to the North	led at a American
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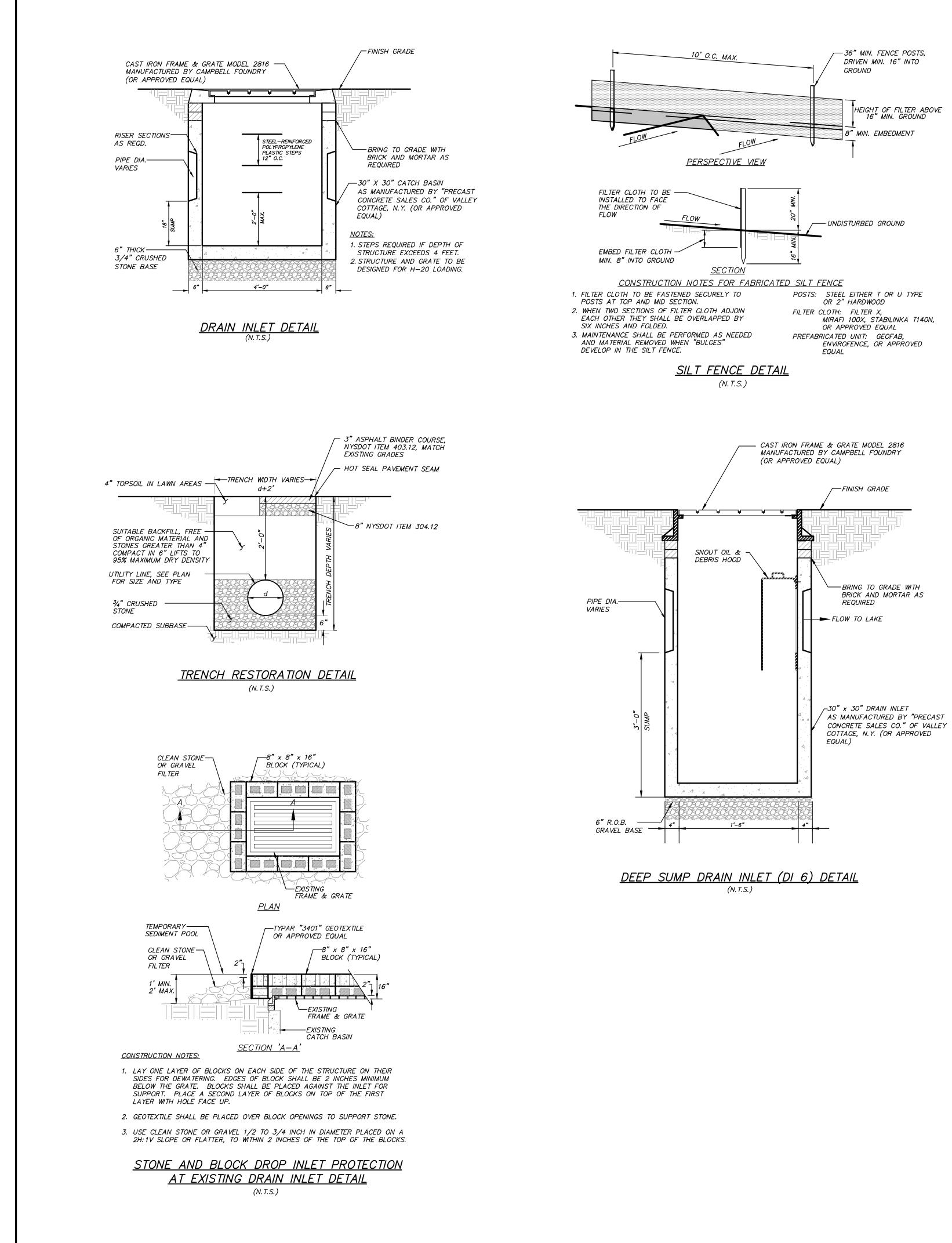
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PROJECT NUMBER	14186.100	PROJECT MANAGER	J.M.W.	DRAWING NO.	SHEET
DATE	9–25–20	DRAWN BY	C.B.Z.	OP = 1	
SCALE	1" = 80'	CHECKED	Z.M.P		3

GRAPHIC	SCALE

	(IN FEET)
1	inch = 80 ft.



	Existing Property Line
	Existing Tree Line
	Existing Stonewall
MIMUMUM	Existing Masonry Wall
	Existing Edge of Pavement
	Existing Pavement Marking
Λ	Existing Retaining Wall
695	Existing 5' Contour
——————697———	Existing 1' Contour
$ imes^{664.3}$	Existing Spot Shot
	100' Lake Buffer
	Existing Drainage Pipe
	Existing Catch Basin
SF	PROPOSED SILT FENCE
тв	PROPOSED TURBIDITY CURTAIN
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED DRAIN INLET
	PROPOSED HDPE PIPE



EROSION & SEDIMENT CONTROL NOTES:

- drawings.
- statement required by GP-0-20-001.
- edition.
- areas required to perform construction.
- watercourses or wetland control areas.

- mixes as shown in the General Site Seeding Notes.
- enaineer.
- 12. Paved roadways shall be kept clean at all times.
- points become operational.
- and inspected for approval by the site engineer.
- as directed by the trained contractor or site engineer.
- of others.
- to prevent settlement.
- are suitably stabilized.
- replacements should be made as required.

- long-term maintenance of the storm drainage facilities.

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

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

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

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

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 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.

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

• 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.

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

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

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 payed 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

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.

26. Refer to the Stormwater Pollution Prevention Plan for additional details regarding

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–I of General *Permit GP*-0-20-001:

- a. Background Information: The subject project consists of the replacement and improvements to the existing privately owned drainage systems along Sycamore Road. The improvements include replacement of existing drainage structures, installation of new drainage structures in critical areas to eliminate overland flow and replacement of the existing drainage pipes connecting the structures.
- b. Site map / construction drawing: These plans serve to satisfy this SWPPP requirement.
- c. Description of the soils present at the site: Onsite soils located within the proposed limits of disturbance consist of Charlton-Chatfield Complex (CrC), Chatfield-Charlton Complex (CsD), as identified on the Soil Conservation Service Web Soil Survey. These soil types belong to the Hydrologic Soil Group "B."
- 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 Erosion and Sediment 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.
- f. 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 reauirement
- h. 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 requirement.
- i. An inspection schedule: Inspections are not 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.
- j. 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.
- I. 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."

NO.	DATE		REVISION		BY
NO. DATE REVISION ATTERNATION REVISION A Garrett Place Carmel, NY 10512 (845) 225–9690 (845) 225–9717 fax www.insite-eng.com				fax	
PROJECT: <u>MAHOPAC POINT OWNERS ASSOC.</u> <u>DRAINAGE SYSTEMS 6 & 7</u> SYCAMORE ROAD, TOWN OF CARMEL, PUTNAM COUNTY, NEW YORK DRAWING: <u>DETAILS</u>				HILLIN M. WATSO	ALL X
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