g. 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. h. An inspection schedule: Inspections are to be performed twice weekly and by a qualified professional as required by the General Permit GP-0-25-001. In addition the NYSDEC

Trained Contractor shall perform additional inspections as cited in the Sedimentation and

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.

j. 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.

k. 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-0-25-001), Table 1 in Appendix B, the proposed stormwater retrofit requires the preparation of the SWPPP that only includes Erosion and Sediment Controls as it is an environmental enhancement

project that involves greater than one (1) acre of soil disturbance. Post—construction Stormwater

<u>LEGEND</u>

 $- extcolor{L} - e$

———— EXISTING WETLAND BUFFER

EXISTING 100-YR FLOODPLAIN BOUNDARY

EXISTING PROPERTY LINE

EXISTING BUILDING

EXISTING STONE WALL

EXISTING 2' CONTOUR

EXISTING SPOT GRADE

EXISTING TREELINE

EXISTING WATERCOURSE

EXISTING EDGE OF WATER

SOILS	DESCRIPTION	HYDROLOGICA GROUP
CrC	Charlton—Chatfield complex, rolling, very rocky	В
CsD	Chatfield—Charlton complex, hilly, very rocky	В
Ff_	Fluvaquents-Udifluvents complex, frequently flooded	B,D
LcB	Leicester loam, 3% to 8% slopes, stony	С
PnB	Paxton fine sandy loam, 2% to 8% slopes	С
PnC	Paxton fine sandy loam, 8% to 15% slopes	С
PnD	Paxton fine sandy loam, 15% to 25% slopes	С
PoC	Paxton fine sandy loam, 8% to 15% slopes, very stony	С
PoD	Paxton fine sandy loam, 15% to 25% slopes, very stony	С
RdB	Ridgebury loam, 3% to 8% slopes	С
Ub	Udorthents, smoothed	_
Uc	Udorthents, wet substratum	_
UpB	Urban land—Paxton complex, 2% to 8% slopes	С
UpC	Urban land—Paxton complex, 8% to 15% slopes	С
UpD	Urban land-Paxton complex, 15% to 25% slopes	С
WdB	Woodbridge loam, 3% to 8% slopes	С
WdC	Woodbridge loam, 8% to 15% slopes	С
	NRCS Soil Boundary Line	I

1. All pavement to be saw cut to its full depth by the contractor prior to excavation.

2. The Contractor shall provide sheeting, shoring, a benched excavation, or a sloped excavation

4. Where construction crosses or is adjacent to existing utility lines (fuel, water gas, telephone,

protection as approved by the Engineer. The contractor shall repair any power or

communication interruption immediately, at no additional cost to the owner.

3. All sheeting and shoring protective systems used for excavation shall be designed and stamped

electric or communication), the contractor shall carefully hand excavate so as to locate, mark

5. Trench excavation outside of temporary construction fence is to be backfilled on the same day

6. All utility trenching in and adjacent to roadways shall be backfilled prior to the end of the

as excavation. Temporary orange construction fence is required around these work areas for on

work day, unless otherwise authorized by the Engineer. Item 4 shall be brought to the surface

of the utility trench flush with the adjacent pavement and maintained until the final pavement

paving operations. Road plates, if used, shall be designed to meet H25 loading requirements.

needing to be open greater than a single day shall have 6' temporary chain link fence installed

overnight or when no work is being performed at the location. Temporary orange construction

can be installed at which time the item 4 shall be removed to the subgrade elevation for

7. For improvements along Longfellow Drive within the Town of Kent right-of-way, excavations

SOILS LEGEND

and protect the utility lines against disturbance or damage by providing adequate support and

EXCAVATION NOTES:

for all excavations 5.0 feet or greater in depth.

fence shall be in place when work is being performed.

by a NYS licensed Professional Engineer.

CONSTRUCTION NOTES:

1. The contractor is advised that additional notes will be found on subsequent drawings and such notes, while pertaining to the specific drawings they are placed in, also supplement the construction notes

2. All work and materials shall be in accordance with these plans and project specifications. 3. The contractor shall notify the Engineer 72 hours prior to start of work. 4. The subject project has coverage under the New York State Department of Environmental Conservation SPDES General Permit for Stormwater Discharges from Construction Activity, permit No. GP-0-25-001. As

to sign a certification statement that they understand and agree to comply with the requirements of GP-0-25-001. 5. The contractor shall have a representative onsite that is a NYSDEC Trained Contractor at all times site work is being performed under this contract. The contractor shall provide a contractor's certification as contained in the NYSDEC Construction Site Logbook to the project

required by the permit all contractors and subcontractors will be required

engineer upon start of construction. 6. The contractor shall coordinate the layout of the work with the owner, and the project engineer, and eliminate all conflicts including but not

limited to utility location conflicts, prior to commencement of any proposed work. 7. It shall be the contractor's/subcontractor's responsibility to provide sanitary facilities (i.e. porta—john (and other necessary temporary

facilities) throughout the duration of construction. 8. The contractor shall be responsible for providing all power, water, and other resources necessary to complete the project work.

9. Minimum OSHA site standards must be maintained including personal protective equipment and vests. The contractor shall be responsible for guarding and protecting all open excavations in accordance with the latest edition and current OSHA requirements.

10. The contractor shall field verify all dimensions relative to the scope of 11. The contractor shall stake out the limits of clearing and it shall be

reviewed with the project engineer prior to the start of clearing

operations. Existing trees to remain outside the limits of clearing shall be protected per the detail. 12. It shall be the contractor's responsibility to identify and protect all underground utilities. The contractor shall contact Dig Safely New York

13. The exact location, size, and type of the existing utilities may differ from 28. There shall be no burying of construction and demolition (C&D) debris or what is shown hereon. The contractor shall field verify the location, size and type of the existing utilities by performing a test pit ahead of construction as necessary to permit revisions to meet existing utilities or relocate proposed utilities as required. Horizontal location and elevation 29. All pre—cast concrete drainage structures, frames, and grates are to of the existing utility as determined by test pit shall be provided to the project engineer.

at 811 or 1—800—962—7962 and any other required utility locators prior

14. The contractor shall field verify the existing grades / utility locations prior to commencement of any work. Any discrepancy shall be reported to the project engineer when identified.

15. The contractor shall perform all work with care so that any materials which are to remain in place, or which are to remain on the property, shall not be damaged. The contractor will be held responsible for all damage caused to existing utilities / features / facilities / vegetation during execution of the work not proposed to be modified or removed by these plans. All damage to any existing utilities / features / facilities / vegetation not proposed to be modified by the contract shall be repaired or replaced by the contractor to the satisfaction of the owner

16. Original condition shall mean the condition in which the feature was found (or better) at the start of construction.

17. The contractor shall be responsible for the implementation and maintenance of erosion and sediment controls (shown or not) as necessary to prevent erosion and migration of sediment outside of the contract limit line or into the stormwater collection system. Erosion and sediment controls may include but are not limited to silt fence, stabilized construction entrance, berms and inlet protection. 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 project engineer. All disturbed areas shall be stabilized in accordance with the Erosion & Sediment Control Notes and

18. Silt fence shall be installed parallel to the contours.

areas including the material storage/staging areas.

19. Contractor is responsible for protecting soil stockpiles, trenches, and building excavations against weather. No additional fee will be paid to the contractor for removal and replacement of suitable soils due to degradation from weather related events. 20. 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. 21. All existing pavement shall be cleaned and swept prior to the completion of construction. 22. The contractor shall provide temporary construction fence for all work

23. All personal vehicles, materials, and construction equipment must be kept within the construction staging area. Use of additional onsite storage areas must be pre-authorized by the owner of the property.

24. Tree clearing can only be performed between November 1st and March 25. Topsoil and subsoil shall be stripped, screened, and stockpiled in locations shown for future use. The contractor must keep enough topsoil onsite for final restoration. Four inches of screened topsoil shall be placed and raked to finish grade over all disturbed areas not covered by pavement, concrete and/or gravel surfaces, unless otherwise noted.

26. The contractor shall maintain existing grades unless otherwise noted. 27. Contractor shall be responsible for removal of all excess rock, topsoil, subsoil, and construction debris from the site.

stumps on site. All C&D debris and stumps must be removed by the contractor, and disposed of in accordance with all pertinent regulations. meet H-20 loading requirements.

prior to placement. 31. Unless otherwise shown on the drawings the contractor shall match the material, thickness and quality of all existing pavements that are to be

30. Design Engineer to approve locations and elevations of all structures

32. The contractor will be responsible for the implementation of all maintenance and protection of traffic (MP&T) measures if necessary. MP&T shall include but not be limited to placement of traffic cones and warning signs around work zone. Safe and adequate pedestrian vehicular traffic flow shall be maintained at all times to the existing buildings, while the work is in progress. The contractor shall submit for approval of the project engineer, a construction sequence schedule and plan for pedestrian and vehicular traffic flow.

UTILITY NOTES:

NYSDEC FRESHWATER WETLAND BOUNDARY VALIDATION

The freshwater wetland boundary as represented on these plans accurately depicts the limits of Freshwater

Wetland LC-52 as delineated by Steve Marino of Tim Miller Associates, Inc. on March 10, 2022.

Wetland boundary delineations as validated by the New York State Department of Environmental

Conservation remain valid for five (5) years unless existing exempt activities, area hydrology, or land use

practices change (e.g., agricultural to residential). After five (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 within 100 feet of the wetland boundary as depicted on this plan requires a permit from the NYS Department of Environmental Conservation under Article 24 of the Environmental Conservation Law

Date Valid: 12/5/22. Expiration Date: 12/5/27. SEAL

(Freshwater Wetlands Act) prior to commencement of work.

1. The locations of existing utilities, water, sewers, and drainage structures have been indicated based on the best available information. It is possible that the actual subsurface utilities and piping may vary from that indicated. Therefore, prior to starting work in any area, the contractor shall take the necessary steps to determine the locations of all existing underground piping, conduit and structures. The contractor shall carry out their operations in such a manner as to prevent interference with lines which are to remain. Any pipe or conduit disturbed in the

. Existing utility locations, sizes and elevations to be verified by contractor prior to the start of construction and any discrepancies reported to the project engineer

course of contract shall be repaired by the contractor at no extra cost to the

3. Whenever a connection to an existing pipe or structure is shown, the contractor

shall confirm existing pipe materials of construction, dimensions, and connection requirement prior to submitting materials for approval. 4. When structures are to be placed on existing utility lines or where the proposed utility lines are assume to cross existing utilities, the contractor shall locate the existing utility and shall verify its existing invert elevation. The contractor shall

5. Where interference with other utilities or construction are encountered during construction of new utility lines, the contractor may adjust the alignment or invert elevations of that system only at the direction of the project engineer. 6. All existing utilities shall be removed to the main unless otherwise permitted by the

notify the engineer if different utility invert elevations or locations are revealed by

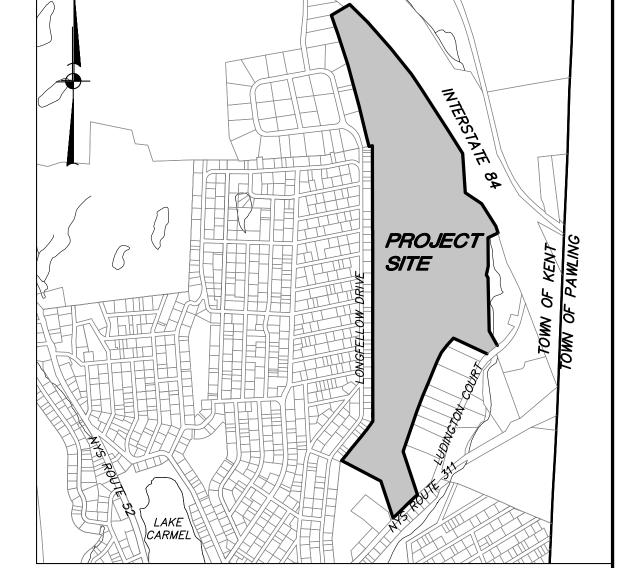
utility service provider. 7. It shall be the contractor's responsibility to locate all overhead wires and utility poles, if any, in the vicinity of the proposed work. Furthermore, it is the contractor's responsibility to make the necessary arrangements to perform the work in the vicinity of these overhead wires.

8. The contractor shall exercise extreme caution when working adjacent to active power and communication lines to prevent damage to these lines. The contractor shall hand excavate test pits to expose those lines prior to performing any other excavation work in the area. The contractor shall repair at their expense, any power or communication interruption immediately.

9. Should any utility poles require bracing or relocating to accomplish the proposed

work, it shall be the contractor's responsibility to make the appropriate

arrangements to properly secure or relocate such utility poles. The contractor will not receive any additional payment for utility pole bracina or relocatina. The contractor must include any costs for such work within their bid submittal.



SCALE: 1" = 1000'

LOCATION MAP

<u>OWNER:</u> Tax Map No.: 22.-2-16 1699 ROUTE 6, SUITE 1 CARMEL, NY 10512

GENERAL NOTES:

1. Existing conditions shown hereon obtained from photogrammetric mapping flown by Geomaps on March 20, 2021. 2. Wetlands shown hereon were flagged by Steve Marino of Tim Miller Associated, Inc. and the flags were survey locate by Insite Engineering,

3. Existing adjacent property boundaries shown hereon obtained from Putnam

Surveying, & Landscape Architecture, P.C. on March 10, 2022.

4. The NYSDEC regulated Wetland LC-52 boundary shown hereon was validated by Sarah Pawliczak (NYSDEC) on September 29, 2022.

LOCATION OF KENT-MB-1000 STORMWATER RETROFIT I E BRANCH UF I HE CRUIUI KENT-MB-1000 DRAWING LIST DRAWING NO. DRAWING NAME SHEET NO. EXISTING CONDITIONS PLAN PHASING PLAN ENLARGED SITE PLAN ENLARGED SITE PLAN ENLARGED SITE PLAN D-1 6 4-30-25 ISSUED FOR BID 5 5-17-24 REVISED FOR NYCDEP & NYSDEC SUBMISSION

> LANDSCAPE ARCHITECTURE, P.C. KENT-MB-1000 STORMWATER RETROFIT

4 9-20-23

3 8-16-23

2 8-7-23 1 7-27-23

NO. DATE

GRAPHIC SCALE

(IN FEET)

1 inch = 120 ft.

NYS ROUTE 311, TOWN OF KENT, PUTNAM COUNTY, NEW YORK **EXISTING CONDITIONS**

1" = 120'

<u>PLAN</u> DRAWING NO.

REVISED FOR EOHWC SUBMISSION

REVISED FOR NYCDEC SUBMISSION

REVISED FOR NYCDEP SUBMISSION

REVISED STORMWATER CONVEYANCE SYSTEM

(845) 225-9690

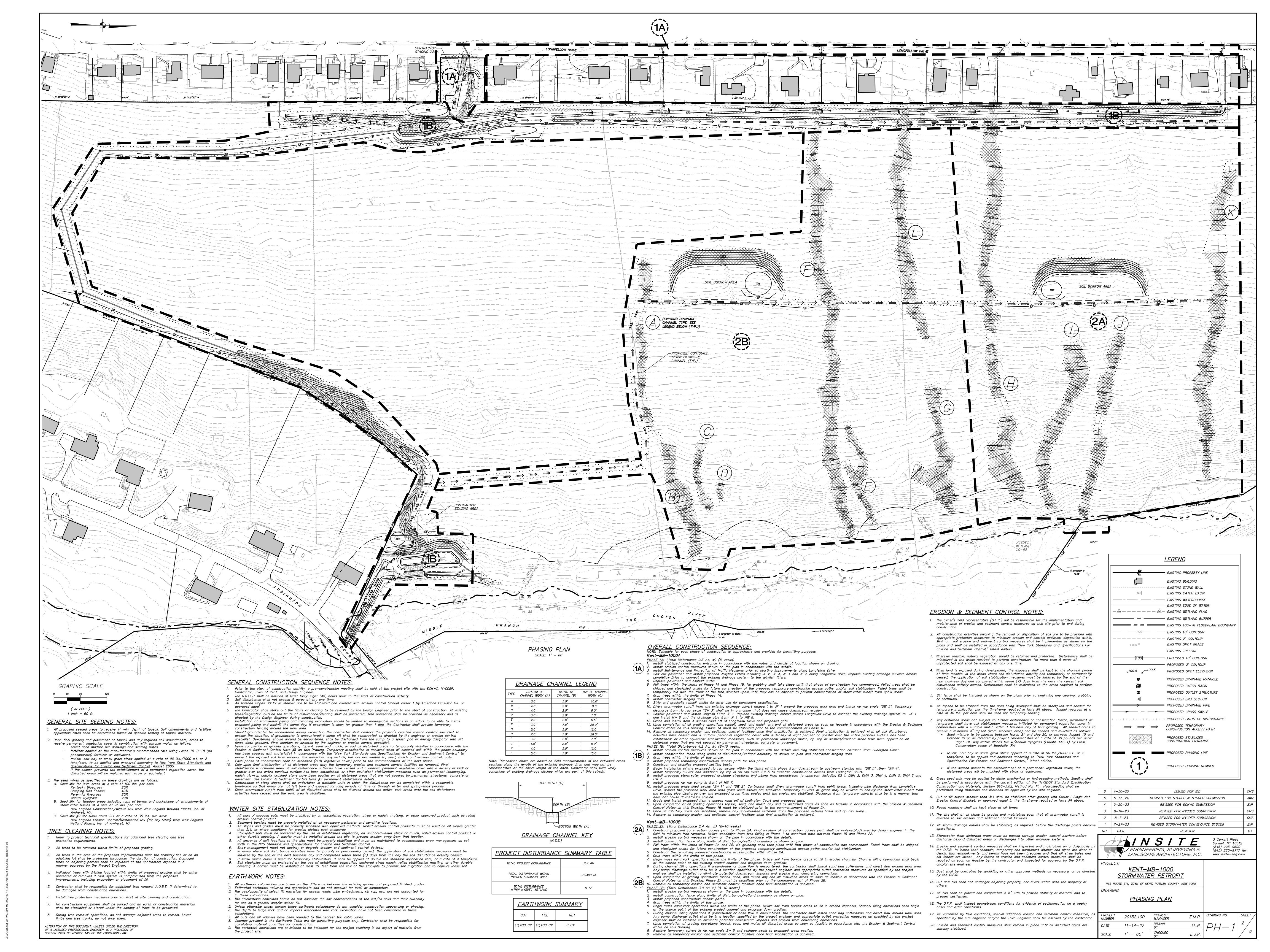
(845) 225-9717 fax

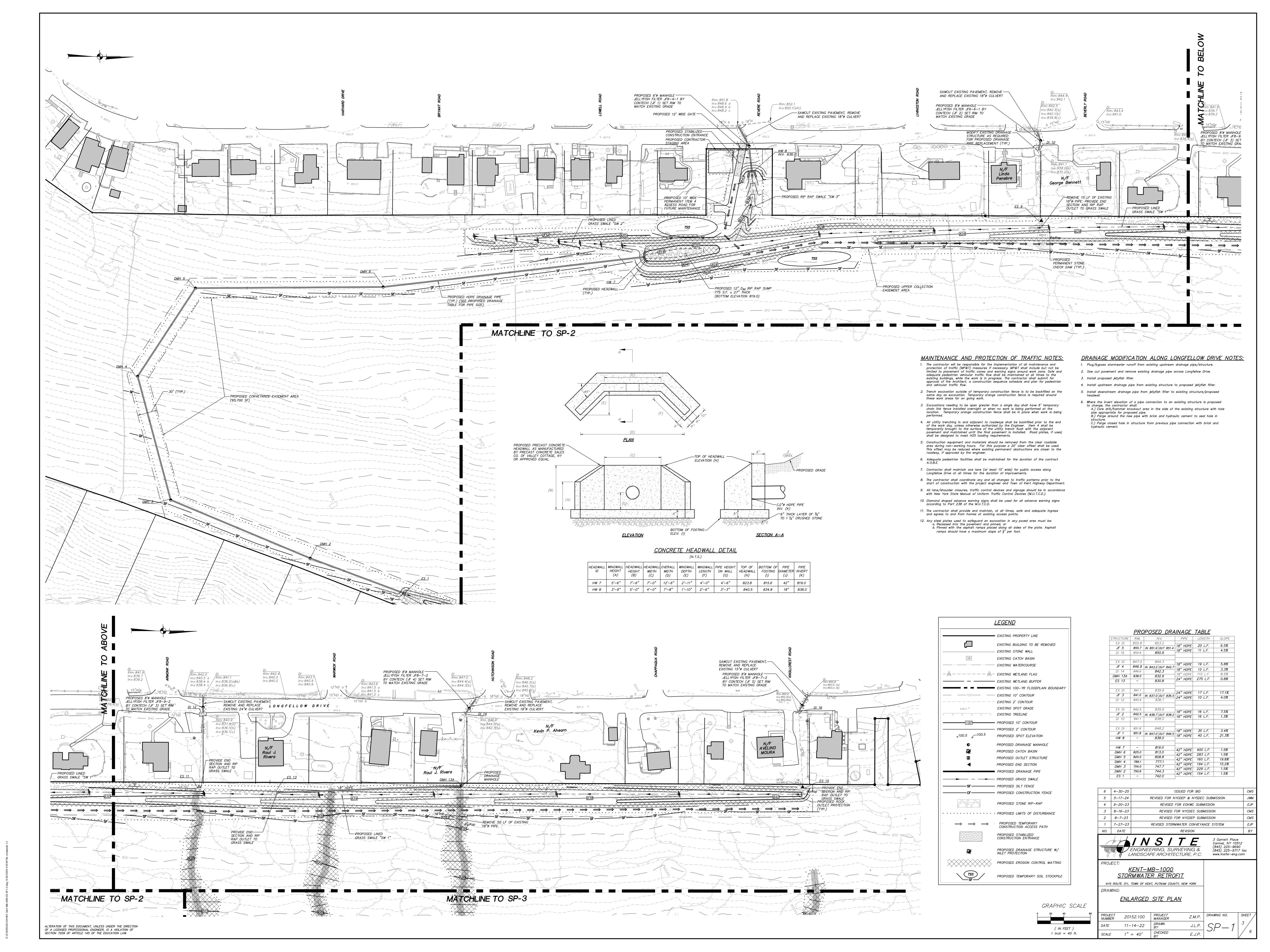
www.insite-eng.com

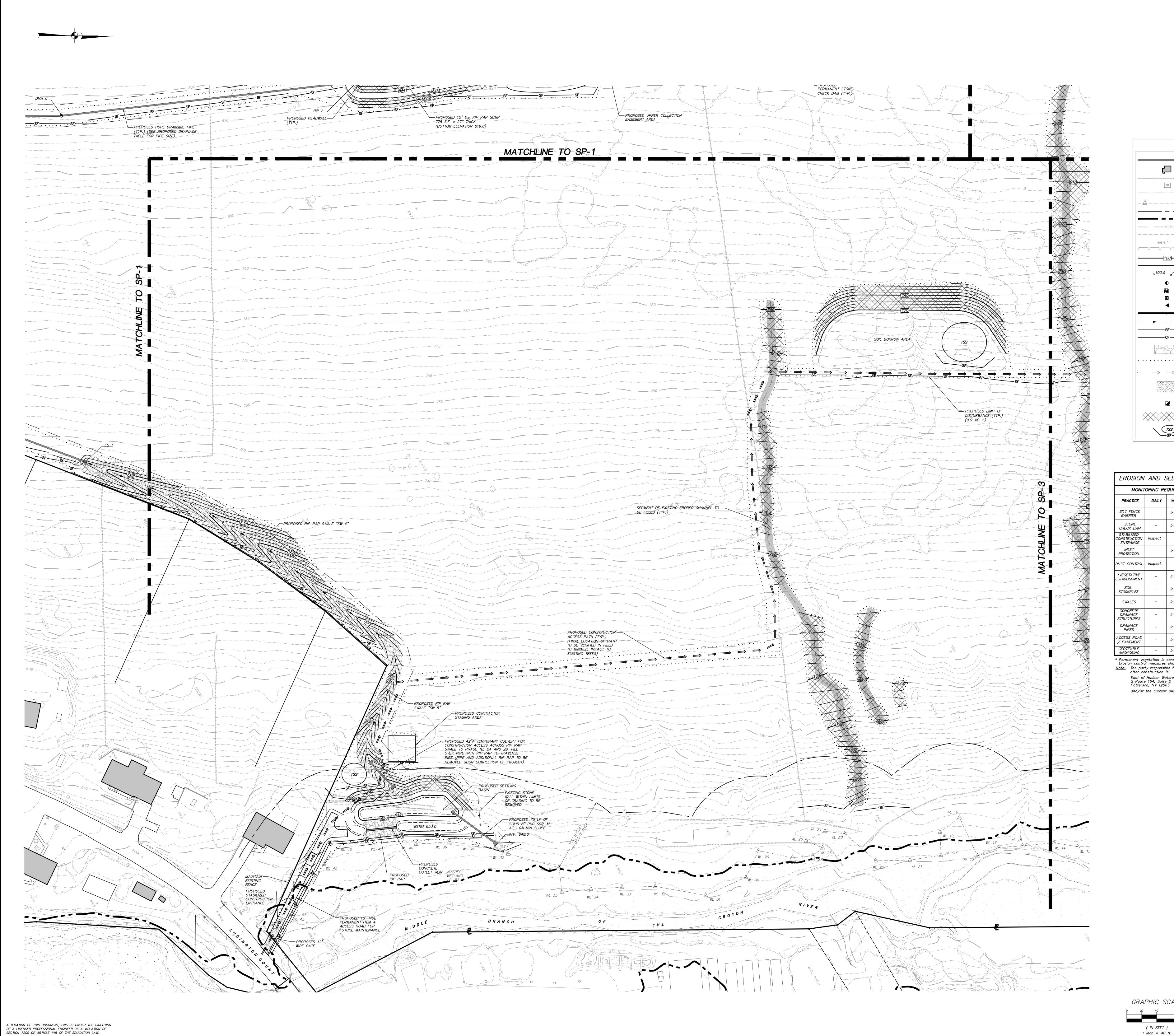
ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF

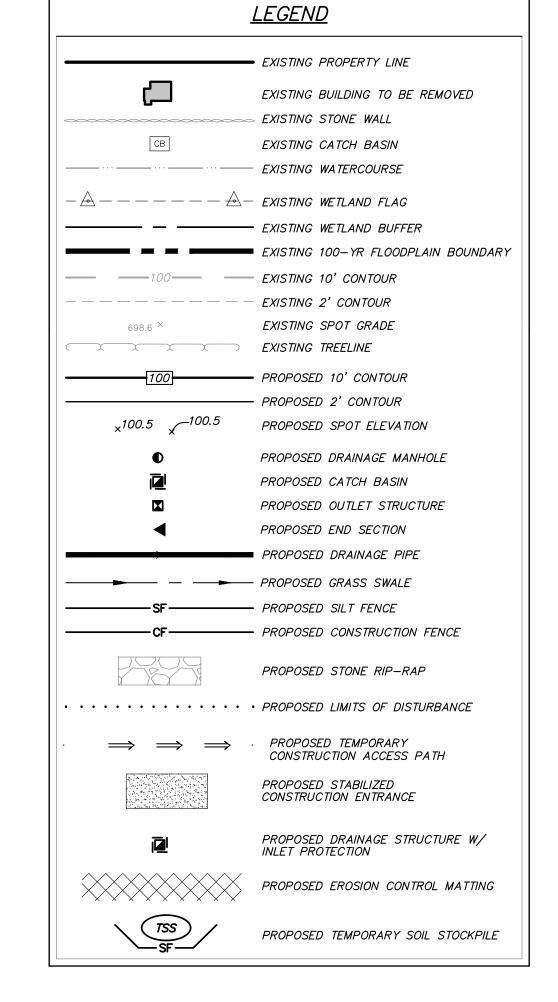
SECTION 7209 OF ARTICLE 145 OF THE EDUCATION LAW.

EXISTING CONDITIONS PLAN









MONITORING REQUIREMENTS				MAINTENANCE REQUIREMENTS		
PRACTICE	DAILY	WEEKLY	AFTER RAINFALL	DURING CONSTRUCTION	AFTER CONSTRUCTION	
SILT FENCE BARRIER	_	Inspect	Inspect	Clean/Replace	Remove	
STONE CHECK DAM	-	Inspect	Inspect	Remove Sediment	Remove Sediment	
STABILIZED CONSTRUCTION ENTRANCE	Inspect	_	Inspect	Clean/Replace Stone and Fabric	Remove	
INLET PROTECTION	-	Inspect	Inspect	Clean/Repair/ Replace	Remove	
DUST CONTROL	Inspect	_	Inspect	Mulching/ Spraying Water	N/A	
*VEGETATIVE ESTABLISHMENT	_	Inspect	Inspect	Water/Reseed/ Remulch	Reseed to 80% Coverage	
SOIL STOCKPILES	_	Inspect	Inspect	Mulching/ Silt Fence Repair	Remove	
SWALES	-	Inspect	Inspect	Clean/Mulch/ Repair	Mow Permanent Grass/Replace/ Repair Rip Rap	
CONCRETE DRAINAGE STRUCTURES	_	Inspect	Inspect	Clean Sumps/ Remove Debris/ Repair/Replace	See Permanent Stormwater Facilities Maintenance Schedule on Drawing D-1	
DRAINAGE PIPES	-	Inspect	Inspect	Clean/Repair		
ACCESS ROAD / PAVEMENT	_	Inspect	Inspect	Clean	Clean	
GEOTEXTILE ANCHORING	_	Inspect	Inspect	Repair	N/A	

* Permanent vegetation is considered stabilized when 80% of the plant density is established.
Erosion control measures shall remain in place until all disturbed areas are permanently stabilized.

Note: The party responsible for implementation of the maintenance schedule during and after construction is:

East of Hudson Watershed Corporation 2 Route 164, Suite 2 Patterson, NY 12563

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

NO.	DATE	REVISION			
1	7-27-23	REVISED STORMWATER CONVEYANCE SYSTEM			
2	8-7-23	REVISED FOR NYCDEP SUBMISSION			
3	8-16-23	REVISED FOR NYCDEC SUBMISSION			
4	9-20-23	REVISED FOR EOHWC SUBMISSION			
5	5-17-24	REVISED FOR NYCDEP & NYSDEC SUBMISSION			
6	4-30-25	ISSUED FOR BID			

3 Garrett Place Carmel, NY 10512 (845) 225–9690 (845) 225–9717 fax www.insite–eng.com INSITE ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C. <u>KENT-MB-1000</u> STORMWATER RETROFIT NYS ROUTE 311, TOWN OF KENT, PUTNAM COUNTY, NEW YORK ENLARGED SITE PLAN

GRAPHIC SCALE

DRAWING NO. SCALE 1" = 40'

RIVER EXISTING CHANNEL FILLING OPERATIONS NOTES: EXCAVATION DEWATERING CONTINGENCY REQUIREMENTS Channel filling operations shall begin at the source point of the existing eroded channel and progress down gradient. Divert uphill runoff away from channel until fill has achieved final stabilization. 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 head 39 ft. In the event groundwater or other adverse conditions are encountered during construction operations, the contractor shall consult the project engineer prior to continuing with any site improvement. (1) Generator to run the electric trash pump. During Channel Filling Operations if groundwater or base flow is encountered the contractor install sand bag cofferdams in accordance with the detail provided on this drawing. – (1) "Dirtbag" Sediment Removal Device. 4. The pump discharge outlet from the sand bag cofferdam shall be in a location specified by the (3) 4' X 8' sheets of plywood project engineer and appropriate outlet protection measures as specified by the project engineer shall be installed to eliminate potential downstream impacts and erosion from dewatering operations. – (20) Haybales Contractor shall provide additional erosion control measures (dewatering dirtbag) at pump discharge as needed to eliminate turbid discharge downstream of work area. – (100 LF) 2" hose

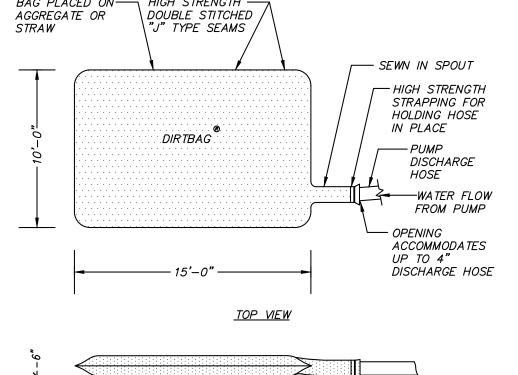
– (100 LF) silt fence

(20 CY) 3/4" washed crushed stone

6. The contractor shall maintain an excavation dewatering contingency kit with the components specified in the "Excavation Dewatering Contingency Notes" provided on this drawing, as these items may be needed during the channel filling operations.

 All finished slopes 3H: 1V or steeper are to be stabilized and covered with erosion control blanket curlex 1 by American Excelsior Co. or approved equal.

<u>LEGEND</u> EXISTING BUILDING TO BE REMOVED > EXISTING STONE WALL EXISTING CATCH BASIN EXISTING WATERCOURSE EXISTING WETLAND BUFFER EXISTING 100-YR FLOODPLAIN BOUNDARY ----- EXISTING 2' CONTOUR EXISTING SPOT GRADE EXISTING TREELINE PROPOSED 10' CONTOUR ×100.5 ✓ 100.5 PROPOSED SPOT ELEVATION PROPOSED DRAINAGE MANHOLE PROPOSED CATCH BASIN PROPOSED OUTLET STRUCTURE PROPOSED END SECTION PROPOSED DRAINAGE PIPE → PROPOSED GRASS SWALE SF PROPOSED SILT FENCE — CF — PROPOSED CONSTRUCTION FENCE PROPOSED STONE RIP-RAP • • • • • • • • • • • • • • • PROPOSED LIMITS OF DISTURBANCE $\Longrightarrow \Longrightarrow \Longrightarrow \cdot PROPOSED$ TEMPORARY CONSTRUCTION ACCESS PATH PROPOSED STABILIZED CONSTRUCTION ENTRANCE PROPOSED DRAINAGE STRUCTURE W/INLET PROTECTION PROPOSED EROSION CONTROL MATTING PROPOSED TEMPORARY SOIL STOCKPILE

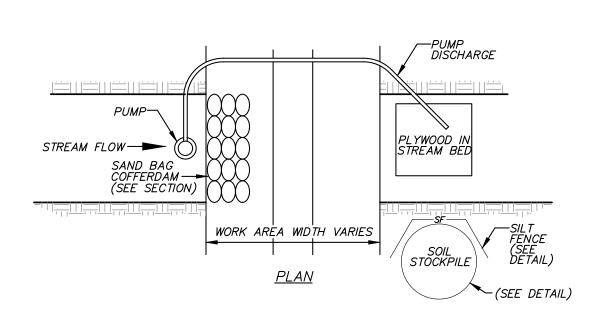


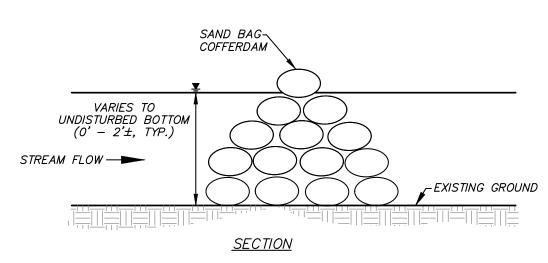
6" AGGREGATE OR — COMPACTED SUB-GRADE GRAVEL OR PAVEMENT

1. PUMPED SILT CONTROL SYSTEM TO BE LOCATED WHERE WATER, AFTER PASSING THROUGH SYSTEM, WILL NOT CAUSE EROSION.

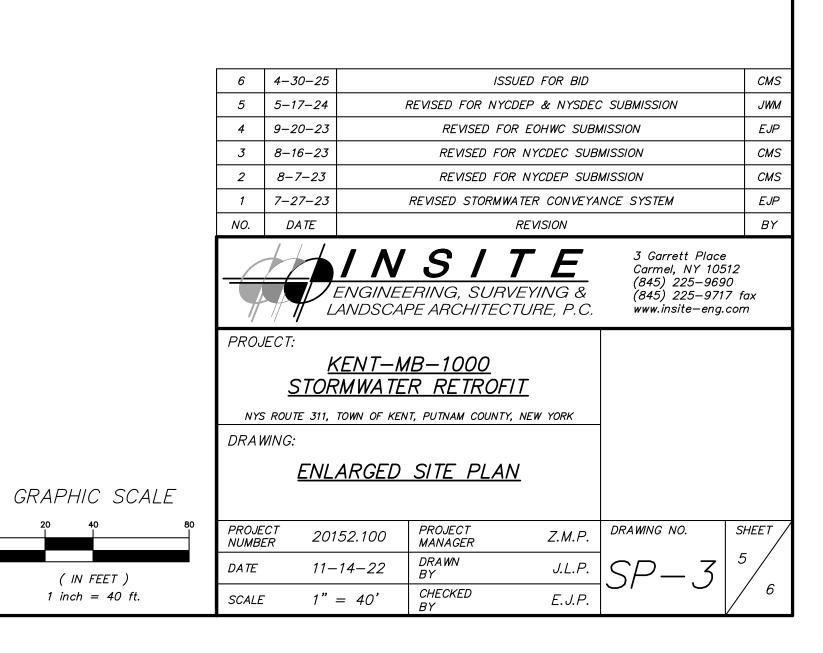
- 2. PUMPED SILT CONTROL SYSTEM TO BE MONITORED AND MAINTAINED TO ASSURE ADEQUATE FILTRATION.
- 3. PUMPED SILT CONTROL SYSTEM TO BE MANUFACTURED BY ACF ENVIRONMENTAL (1-800-448-3636) OR APPROVED EQUAL.
- 4. PROVIDE ROW OF STAKED HAYBALES AND, IF NECESSARY, SILT FENCE DOWNSTREAM OF "DIRTBAG."
- 5. "DIRTBAG" TO BE MONITORED WHEN IN USE TO DETECT RUPTURES AND REPLACE RUPTURED BAGS AS NECESSARY.

"DIRTBAG" PUMPED SILT CONTROL SYSTEM DETAIL





SAND BAG COFFERDAM DETAIL



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.

