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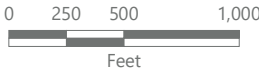
Albany and Greene Counties, New York

SWPPP Report



NYSDEC Mapped Stream

- Class A, B, C(TS), or C(T) Stream
- Class C or D Stream
- Waterbody
- Package 7A



Prepared May 11, 2023
Basemap: NYS DOP "2021" orthoimagery map service.



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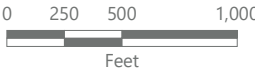
Albany and Greene Counties, New York

SWPPP Report



NYSDEC Mapped Stream

- Class C or D Stream
- Waterbody
- Package 7A



Appendix F

Pre-Construction Forms

E-1: PRE-CONSTRUCTION MEETING DOCUMENTS AND INSPECTION REPORTS

General Project Information			
Project Name	Champlain Hudson Power Express Package 7A		
Project Location	Catskill	County	Greene
SPDES Permit ID No.		NYSDEC Date of Authorization	

PREAMBLE TO SITE ASSESSMENT AND INSPECTIONS – TO BE READ BY ALL PERSONS INVOLVED IN THE CONSTRUCTION OF STORMWATER RELATED ACTIVITIES

1. The Owner/Operator and Contractors shall read the NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activities GP-0-20-001. This SWPPP has been prepared for the project and represents the minimum standards for compliance. The Contractors must follow the requirements of the SWPPP.
2. A copy of the General Permit (GP-0-20-001), the SWPPP, NOI, NOI Acknowledgement Letter, MS4 Acceptance form (if applicable), inspection reports and any correspondence with the NYSDEC must be kept at the work site at all times. (e.g., in the job trailer.)
3. Prior to commencing soil disturbance, the Owner/Operator and/or Contractors must complete the forms and certifications in this Appendix. This information must be kept up to date.
4. All enclosed certifications shall be completed by the contractor. Subcontractors responsible for implementing erosion and sediment control measures or constructing stormwater management practices shall also complete the certifications. Each certification is to be completed and signed by a president, treasurer or vice president, or any person who performs similar policy or decision-making functions, and by the onsite individual having responsibility for the firm.
5. The Owner/Operator shall have a qualified inspector conduct an assessment of installed erosion and sediment controls and overall preparedness of the site prior to the commencement of construction. The inspection report in this section shall be used record the results of the inspection.
6. Site inspections shall be conducted by the qualified inspector at least once every seven calendar days when construction actives commence. For sites where the Owner/Operator has received authorization from the New York State Department of Environmental Conservation (NYSDEC) to disturb greater than five acres of soil at one time or where the project site discharges directly to a 303(d) impaired waterbody or is in a watershed listed in Appendix C of the General Permit, the qualified inspector shall conduct at least two site inspections every seven calendar days. There shall be a minimum of two full calendar days between inspections. The Owner/Operator shall maintain a record of all inspection reports onsite in Appendix F and have them available to the permitting authorities upon request.
7. The qualified inspector will notify the Owner/Operator and Contractor of any items to be addressed within one day business day of the inspection. The Contractors need to start corrective measures within one business day of notification and complete corrective actions in a reasonable time frame.
8. Prior to filing the Notice of Termination (NOT) or the end of permit term, the Owner/Operator shall have a qualified inspector perform a final site inspection. The qualified inspector shall certify that the site has undergone final stabilization using either vegetative or structural stabilization methods and that all temporary erosion and sediment controls (such as silt fencing, etc.) have been removed and that post-construction stormwater management practices have been installed in accordance with the SWPPP. The Owner/Operator must certify that, based upon their inquiry, all the information contained within the NOT is true.

9. Prior to submitting the NOT, the Owner/Operation is required to have one of the following in place (for permanent stormwater practices):
 - a. Provide proof that the post-construction stormwater management practices, including any rights-of-ways needed for maintenance of such practices, have been deeded to the municipality in which the practices are located, or
 - b. Provide confirmation that the municipality has executed an agreement to maintain the post-construction stormwater management practices, or
 - c. For privately-owned post-construction stormwater management practices, provide proof that the Owner/Operator has modified their deed of record to include a deed covenant that requires operation of the practices in accordance with the operations and maintenance plan.
 - d. For institutional-owned or municipal-owned post-construction stormwater practices, provide proof that the Owner/Operator has policy and procedure in place to ensure operation of the practices in accordance with the operations and maintenance plan.
10. In the event of a transfer of ownership or responsibility for stormwater runoff, the original Owner/Operator (permittee) must notify the new Owner/Operator in writing of the requirement to obtain permit coverage by submitting a new Notice of Intent. Once the new Owner/Operator obtains permit coverage, the original Owner/Operator shall submit a completed NOT with the name and permit identification number of the new Owner/Operator. If the original Owner/Operator maintains ownership of a portion of the construction activity and will disturb soil, they must obtain their coverage under the general permit. Permit coverage for the new Owner/Operator will be effective when an acknowledgement letter is received from the NYSDEC confirming receipt of the completed Notice of Intent (NOI), provided the original Owner/Operator was not subject to a sixty business day authorization period that has not expired as of the date the Department receives the NOI from the new Owner/Operator.

E-1: PRE-CONSTRUCTION MEETING DOCUMENTS AND INSPECTION REPORTS

General Project Information			
Project Name	Champlain Hudson Power Express Package 7A		
Project Location	Catskill	County	Greene
SPDES Permit ID No.		NYSDEC Date of Authorization	

PRE-CONSTRUCTION SITE ASSESSMENT CHECKLIST

Construction (soil disturbance) shall not commence until all Erosion & Sediment Control Facilities have been installed, inspected, and found acceptable by the Owner/Operator. Add comments below as necessary.

Notice of Intent, SWPPP, and Contractor's Certification		
1.	Has Notice of Intent (NOI) been filed with NYSDEC, MS4 Certification (if applicable) and the NOI Acknowledgment form been received?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.	Is the SWPPP onsite? If yes, where? _____	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.	Is the SWPPP current? What is the latest revision date? ____/____/____	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.	Have all the Contractors involved with stormwater-related activities signed a Contractor's Certification Statement (Appendix E-3)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.	Has the Contractor's Construction Stabilization Schedule (Appendix E-2) been received?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Resource Protection		
6.	Are construction limits clearly flagged or fenced?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Have the important trees and associated root zones, onsite septic system absorption fields, existing vegetation areas suitable for filter strips been flagged for protection?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
8.	Were creek-crossings installed prior to land-disturbing activity?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
9.	Have wetlands been identified, flagged and protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Surface Water Protection		
10.	Has runoff from undisturbed areas been diverted away from or around areas to be disturbed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
11.	Have bodies of water either onsite or in the vicinity been identified and protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
12.	Have appropriate practices to protect onsite or downstream surface water been installed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
13.	Has any grading operation occurred prior to this inspection, except for Erosion & Sediment Control Practices installation?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Stabilized Construction Entrance		
14.	Has a temporary construction entrance been installed to prevent mud and debris from entering the public roadway?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
15.	Have construction routes and equipment parking areas needed to begin construction been stabilized immediately as work takes place, with gravel or other cover?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
16.	Is there a plan to remove or clean sediment tracked on to public roadways?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA

Sediment Controls		
17.	Does the silt fence material and installation comply with the contract drawing, SWPPP, and specifications?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
18.	Are silt fences installed at appropriate spacing intervals?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
19.	Were sediment trapping devices installed as the first land disturbing activity?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Waste and Hazardous Material Handling		
20.	Has the Owner and/or Operator or designated representative been assigned to implement the spill prevention avoidance and response approach?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
21.	Are there appropriate materials to control spills onsite? If yes, where? _____	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA

Items that need to be addressed prior to completion of Qualified Inspector's Certification

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

Qualified Inspector's Credentials and Certification

I hereby certify that I meet the Qualified Inspector criteria set forth in the General Permit and that the appropriate erosion and sediment controls described in the SWPPP and as described this checklist have been adequately installed or implemented, ensuring the overall preparedness of this site for the commencement of construction.

Signature: _____

Name (please print): _____

Title: _____ Date: _____

Company Name: _____

Address: _____

Phone: _____ Email: _____

Inspector Qualifications: ☐ PE ☐ RLA ☐ CPESC

4-hour Contractor Training Completed

Card Received: ☐ Yes ☐ No

Expiration Date: _____

E-2: CONSTRUCTION STABILIZATION SCHEDULE

General Project Information			
Project Name	Champlain Hudson Power Express Package 7A		
Project Location	Catskill	County	Greene
SPDES Permit ID No.		NYSDEC Date of Authorization	

For portions of the site where soil disturbance activities have temporarily or permanently ceased, stabilization measures must be initiated by the contractor by the end of the next business day and completed within 14 calendar days from the date the current soil disturbance activity ceased. Stabilization must be completed within 7 calendar days if the site current disturbance 5 acres or greater.

When construction activity is precluded by snow cover, stabilization measures shall be initiated as soon as practical.

Contractors are responsible to provide a construction schedule for review and approval by the Owner/Operator:

Soil Disturbing Activities	Location	Anticipated Start Date	Anticipated Stabilization Date
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

E-3: CONTRACTOR CERTIFICATION STATEMENT

General Project Information			
Project Name	Champlain Hudson Power Express Package 7A		
Project Location	Catskill	County	Greene
SPDES Permit ID No.		NYSDEC Date of Authorization	

Each Contractor/Subcontractor is required to complete this form and sign this certification statement prior to working onsite.

Contractor Information

Contracting Firm: _____

Address: _____

Phone (Office): _____ Job Site (Trailer): _____

Contacts: 1) _____ Mobile: _____
 2) _____ Mobile: _____
 3) _____ Mobile: _____

Trained Contactor Responsibilities

A Trained Individual is an employee that has received 4 hours of training approved by the NYSDEC, from a Soil and Water Conservation District, from CPESC, Inc., or from another NYSDEC-endorsed entity providing training in proper erosion and sediment control principles. Training must be completed prior to the date that this project commences (prior to project mobilization). After receiving the initial training, the individual shall receive 4 hours of NYSDEC-approved training every 3 years.

Names of Trained Individuals from the Contractor's company that will be responsible for implementing the SWPPP:

Name: _____ Title: _____

Measures Responsible for: 1) _____
 2) _____
 3) _____
 4) _____

Name: _____ Title: _____

Measures Responsible for: 1) _____
2) _____
3) _____
4) _____

Name: _____ Title: _____

Measures Responsible for: 1) _____
2) _____
3) _____
4) _____

Contractor's Certification

I hereby certify under penalty of law that I understand and agree to comply with the terms and conditions of the SWPPP and agree to implement any corrective actions identified by the Qualified Inspector during a site inspection. I also understand that the Owner and/or Operator must comply with the terms and conditions of the New York State Pollutant Discharge Elimination System (SPDES) general permit for stormwater discharges from construction activities, and it is unlawful for any person to cause, or contribute to, a violation of water quality standards.

Furthermore, I am aware that there are significant penalties for submitting false information, that I do not believe to be true, including the possibility of fine and imprisonment for knowing violations.

I also certify that I have received a copy of the SWPPP and will retain a copy of such SWPPP onsite during construction.

Signature of President, Vice President, or Treasurer DSF

Signature: _____ Date: _____

Print Name: _____ Title: _____

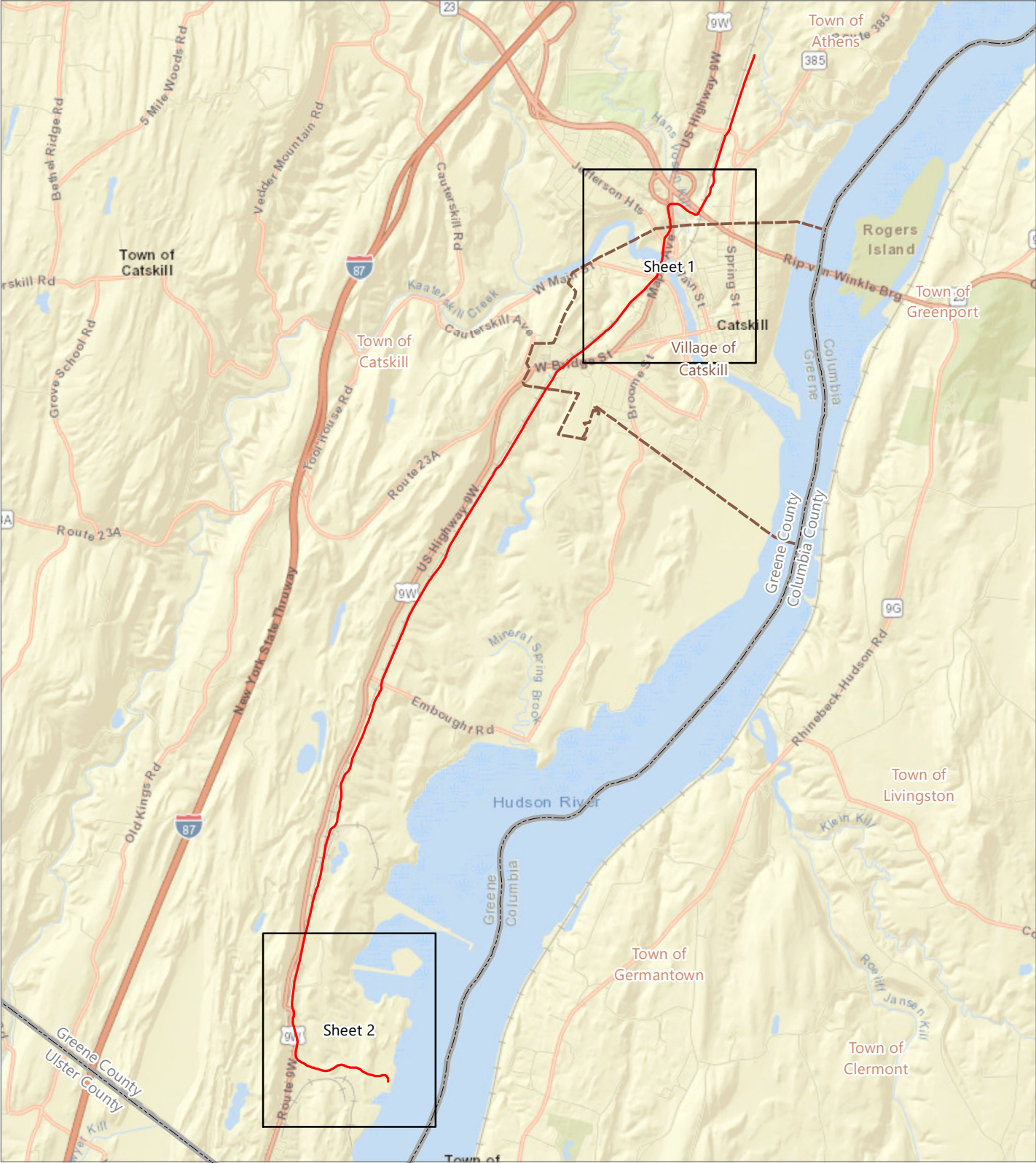
Signature of Responsible Onsite Individual (Must Meet Requirements of Trained Contractor)

Signature: _____ Date: _____

Print Name: _____ Title: _____

Appendix G

FEMA FIRMs



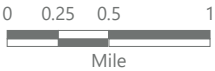
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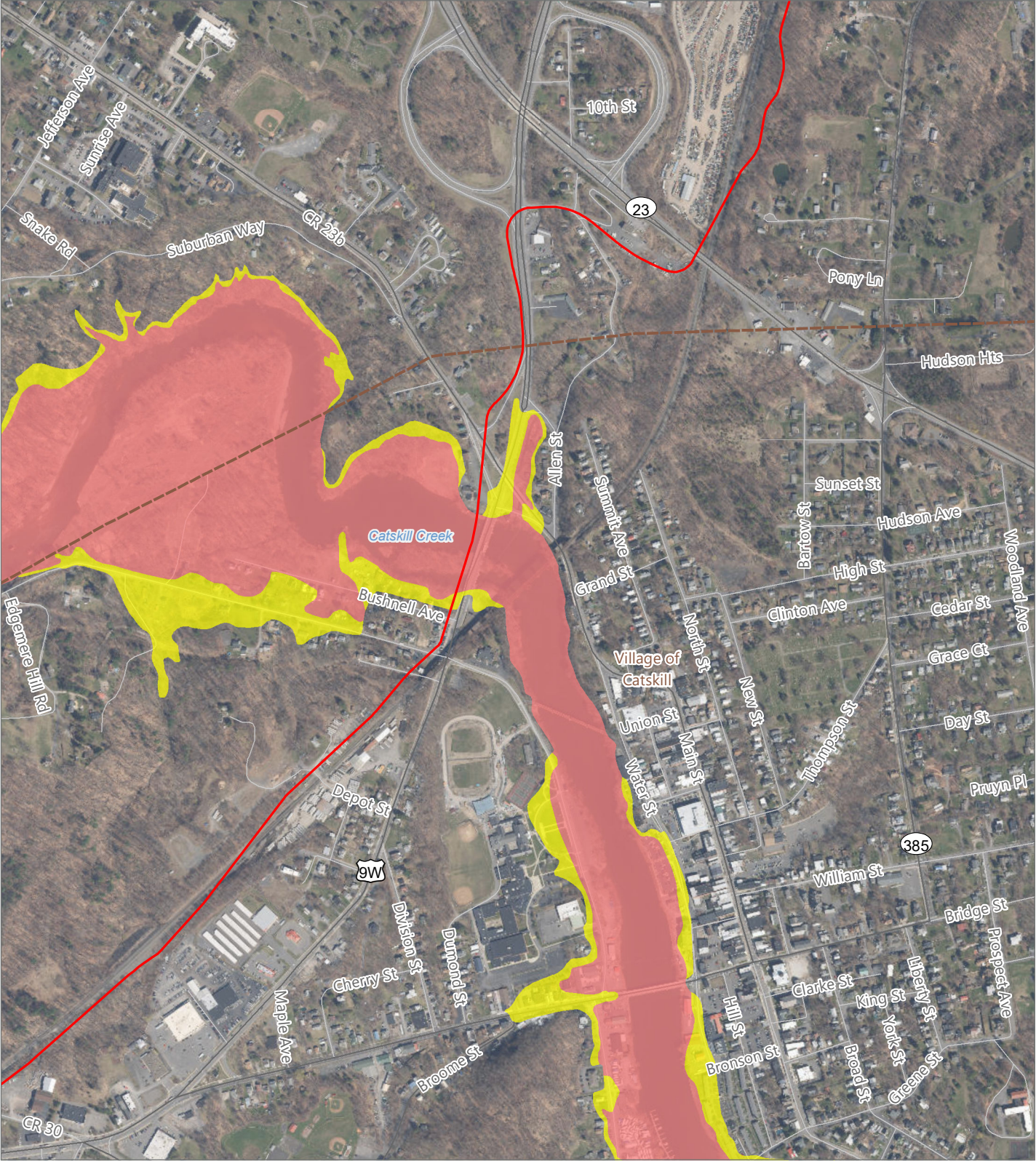
Greene County, New York

SWPPP Report



— Package 7A






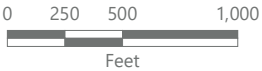


CHPE EM&CP

Greene County, New York

SWPPP Report

-  FEMA 100-Year Flood Hazard Area
-  FEMA 500-Year Flood Hazard Area
-  Package 7A






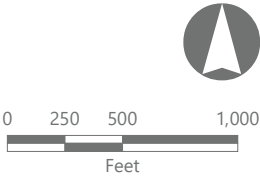


CHPE EM&CP

Greene County, New York

SWPPP Report

-  FEMA 100-Year Flood Hazard Area
-  FEMA 500-Year Flood Hazard Area
-  Package 7A



Appendix H
Notice of Intent

NOI for coverage under Stormwater General Permit for Construction Activity

version 1.35

(Submission #: HPH-D71D-BBYTT, version 1)

Details

Originally Started By EDR Engineering

Alternate Identifier Champlain Hudson Power Express Segment 11 (Package 7A)

Submission ID HPH-D71D-BBYTT

Submission Reason New

Status Draft

Form Input

Owner/Operator Information

Owner/Operator Name (Company/Private Owner/Municipality/Agency/Institution, etc.)

Transmission Developers, Inc.

Owner/Operator Contact Person Last Name (NOT CONSULTANT)

Kafi

Owner/Operator Contact Person First Name

Ayokunle "Kunle"

Owner/Operator Mailing Address

1301 Avenue of the Americas, 26th Floor

City

New York City

State

New York

Zip

10019

Phone

(347) 920-6550

Email

Ayokunle.Kafi@transmissiondevelopers.com

Federal Tax ID

NONE PROVIDED

Project Location**Project/Site Name**

Champlain Hudson Power Express Segment 11 (Package 7A)

Street Address (Not P.O. Box)

Route 9W, Route 23

Side of Street

West

City/Town/Village (THAT ISSUES BUILDING PERMIT)

Catskill

State

NY

Zip

12414

DEC Region

4

County

GREENE

Name of Nearest Cross Street

NONE PROVIDED

Distance to Nearest Cross Street (Feet)

NONE PROVIDED

Project In Relation to Cross Street

NONE PROVIDED

Tax Map Numbers Section-Block-Parcel

NONE PROVIDED

Tax Map Numbers

NONE PROVIDED

1. Coordinates

Provide the Geographic Coordinates for the project site. The two methods are:

- Navigate to the project location on the map (below) and click to place a marker and obtain the XY coordinates.
- The "Find Me" button will provide the lat/long for the person filling out this form. Then pan the map to the correct location and click the map to place a marker and obtain the XY coordinates.

Navigate to your location and click on the map to get the X,Y coordinates

42.247522,-73.857986

Project Details**2. What is the nature of this project?**

Redevelopment with no increase in impervious area

3. Select the predominant land use for both pre and post development conditions.**Pre-Development Existing Landuse**

Linear Utility

Post-Development Future Land Use

Linear Utility (water/sewer/gas, etc.)

3a. If Single Family Subdivision was selected in question 3, enter the number of subdivision lots.

NONE PROVIDED

4. In accordance with the larger common plan of development or sale, enter the total project site acreage, the acreage to be disturbed and the future impervious area (acreage) within the disturbed area.

*** ROUND TO THE NEAREST TENTH OF AN ACRE. ***

Total Site Area (acres)

10.4

Total Area to be Disturbed (acres)

10.4

Existing Impervious Area to be Disturbed (acres)

4.6

Future Impervious Area Within Disturbed Area (acres)

4.6

5. Do you plan to disturb more than 5 acres of soil at any one time?

No

6. Indicate the percentage (%) of each Hydrologic Soil Group(HSG) at the site.

A (%)

17

B (%)

0

C (%)

0

D (%)

82.1

7. Is this a phased project?

Yes

8. Enter the planned start and end dates of the disturbance activities.

Start Date

06/01/2023

End Date

06/01/2025

9. Identify the nearest surface waterbody(ies) to which construction site runoff will discharge.

Hans Vosen Kill, Catskill Creek, Hudson River

9a. Type of waterbody identified in question 9?

Wetland/State Jurisdiction On Site (Answer 9b)

Wetland/State Jurisdiction Off Site

Wetland/Federal Jurisdiction On Site (Answer 9b)

Wetland/Federal Jurisdiction Off Site

Stream/Creek On Site

Stream/Creek Off Site

River On Site

River Off Site

Other Waterbody Type Off Site Description

NONE PROVIDED

9b. If "wetland" was selected in 9A, how was the wetland identified?

Delineated by Consultant

10. Has the surface waterbody(ies) in question 9 been identified as a 303(d) segment in Appendix E of GP-0-20-001?

No

11. Is this project located in one of the Watersheds identified in Appendix C of GP-0-20-001?

No

12. Is the project located in one of the watershed areas associated with AA and AA-S classified waters?

No

If No, skip question 13.

13. Does this construction activity disturb land with no existing impervious cover and where the Soil Slope Phase is identified as D (provided the map unit name is inclusive of slopes greater than 25%), E or F on the USDA Soil Survey?

NONE PROVIDED

If Yes, what is the acreage to be disturbed?

NONE PROVIDED

14. Will the project disturb soils within a State regulated wetland or the protected 100 foot adjacent area?

Yes

15. Does the site runoff enter a separate storm sewer system (including roadside drains, swales, ditches, culverts, etc)?

No

16. What is the name of the municipality/entity that owns the separate storm sewer system?

NONE PROVIDED

17. Does any runoff from the site enter a sewer classified as a Combined Sewer?

No

18. Will future use of this site be an agricultural property as defined by the NYS Agriculture and Markets Law?

No

19. Is this property owned by a state authority, state agency, federal government or local government?

Yes

20. Is this a remediation project being done under a Department approved work plan? (i.e. CERCLA, RCRA, Voluntary Cleanup Agreement, etc.)

No

Required SWPPP Components

21. Has the required Erosion and Sediment Control component of the SWPPP been developed in conformance with the current NYS Standards and Specifications for Erosion and Sediment Control (aka Blue Book)?

Yes

22. Does this construction activity require the development of a SWPPP that includes the post-construction stormwater management practice component (i.e. Runoff Reduction, Water Quality and Quantity Control practices/techniques)?

No

If you answered No in question 22, skip question 23 and the Post-construction Criteria and Post-construction SMP Identification sections.

23. Has the post-construction stormwater management practice component of the SWPPP been developed in conformance with the current NYS Stormwater Management Design Manual?

NONE PROVIDED

24. The Stormwater Pollution Prevention Plan (SWPPP) was prepared by:

Professional Engineer (P.E.)

SWPPP Preparer

KC Engineering and Land Surveying P.C.

Contact Name (Last, Space, First)

Llorente, Julian

Mailing Address

7 Penn Plaza, Suite 1604

City

New York

State

NY

Zip

10001-3974

Phone

(646) 795-5062

Email

jllorente@kcepc.com

Download SWPPP Preparer Certification Form

Please take the following steps to prepare and upload your preparer certification form:

- 1) Click on the link below to download a blank certification form
- 2) The certified SWPPP preparer should sign this form
- 3) Scan the signed form
- 4) Upload the scanned document

[Download SWPPP Preparer Certification Form](#)

Please upload the SWPPP Preparer Certification

NONE PROVIDED

Comment

NONE PROVIDED

Erosion & Sediment Control Criteria

25. Has a construction sequence schedule for the planned management practices been prepared?

Yes

26. Select all of the erosion and sediment control practices that will be employed on the project site:

Temporary Structural

Check Dams
Construction Road Stabilization
Dust Control
Silt Fence
Stabilized Construction Entrance
Storm Drain Inlet Protection
Temporary Stormdrain Diversion
Temporary Access Waterway Crossing
Water Bars

Biotechnical

None

Vegetative Measures

Mulching
Protecting Vegetation
Seeding
Topsoiling
Temporary Swale

Permanent Structural

None

Other

Compost Filter Sock, Wetland Protection Fence, Concrete Washouts

Post-Construction Criteria

*** IMPORTANT: Completion of Questions 27-39 is not required if response to Question 22 is No.**

27. Identify all site planning practices that were used to prepare the final site plan/layout for the project.

NONE PROVIDED

27a. Indicate which of the following soil restoration criteria was used to address the requirements in Section 5.1.6("Soil Restoration") of the Design Manual (2010 version).

NONE PROVIDED

28. Provide the total Water Quality Volume (WQv) required for this project (based on final site plan/layout). (Acre-feet)

NONE PROVIDED

29. Post-construction SMP Identification

Use the Post-construction SMP Identification section to identify the RR techniques (Area Reduction), RR techniques(Volume Reduction) and Standard SMPs with RRv Capacity that were used to reduce the Total WQv Required (#28).

Identify the SMPs to be used by providing the total impervious area that contributes runoff to each technique/practice selected. For the Area Reduction Techniques, provide the total contributing area (includes pervious area) and, if applicable, the total impervious area that contributes runoff to the technique/practice.

Note: Redevelopment projects shall use the Post-Construction SMP Identification section to identify the SMPs used to treat and/or reduce the WQv required. If runoff reduction techniques will not be used to reduce the required WQv, skip to question 33a after identifying the SMPs.

30. Indicate the Total RRv provided by the RR techniques (Area/Volume Reduction) and Standard SMPs with RRv capacity identified in question 29. (acre-feet)

NONE PROVIDED

31. Is the Total RRv provided (#30) greater than or equal to the total WQv required (#28)?

NONE PROVIDED

If Yes, go to question 36. If No, go to question 32.

32. Provide the Minimum RRv required based on HSG. [Minimum RRv Required = (P) (0.95) (Ai) / 12, Ai=(s) (Aic)] (acre-feet)

NONE PROVIDED

32a. Is the Total RRv provided (#30) greater than or equal to the Minimum RRv Required (#32)?

NONE PROVIDED

If Yes, go to question 33.

Note: Use the space provided in question #39 to summarize the specific site limitations and justification for not reducing 100% of WQv required (#28). A detailed evaluation of the specific site limitations and justification for not reducing 100% of the WQv required (#28) must also be included in the SWPPP.

If No, sizing criteria has not been met; therefore, NOI can not be processed. SWPPP preparer must modify design to meet sizing criteria.

33. SMPs

Use the Post-construction SMP Identification section to identify the Standard SMPs and, if applicable, the Alternative SMPs to be used to treat the remaining total WQv (=Total WQv Required in #28 - Total RRv Provided in #30).

Also, provide the total impervious area that contributes runoff to each practice selected.

NOTE: Use the Post-construction SMP Identification section to identify the SMPs used on Redevelopment projects.

33a. Indicate the Total WQv provided (i.e. WQv treated) by the SMPs identified in question #33 and Standard SMPs with RRv Capacity identified in question #29. (acre-feet)

NONE PROVIDED

Note: For the standard SMPs with RRv capacity, the WQv provided by each practice = the WQv calculated using the contributing drainage area to the practice - provided by the practice. (See Table 3.5 in Design Manual)

34. Provide the sum of the Total RRv provided (#30) and the WQv provided (#33a).

NONE PROVIDED

35. Is the sum of the RRv provided (#30) and the WQv provided (#33a) greater than or equal to the total WQv required (#28)?

NONE PROVIDED

If Yes, go to question 36.

If No, sizing criteria has not been met; therefore, NOI can not be processed. SWPPP preparer must modify design to meet sizing criteria.

36. Provide the total Channel Protection Storage Volume (CPv required and provided or select waiver (#36a), if applicable.

CPv Required (acre-feet)

NONE PROVIDED

CPv Provided (acre-feet)

NONE PROVIDED

36a. The need to provide channel protection has been waived because:

NONE PROVIDED

37. Provide the Overbank Flood (Qp) and Extreme Flood (Qf) control criteria or select waiver (#37a), if applicable.

Overbank Flood Control Criteria (Qp)

Pre-Development (CFS)

NONE PROVIDED

Post-Development (CFS)

NONE PROVIDED

Total Extreme Flood Control Criteria (Qf)

Pre-Development (CFS)

NONE PROVIDED

Post-Development (CFS)

NONE PROVIDED

37a. The need to meet the Qp and Qf criteria has been waived because:

NONE PROVIDED

38. Has a long term Operation and Maintenance Plan for the post-construction stormwater management practice(s) been developed?

NONE PROVIDED

If Yes, Identify the entity responsible for the long term Operation and Maintenance

NONE PROVIDED

39. Use this space to summarize the specific site limitations and justification for not reducing 100% of WQv required (#28). (See question #32a) This space can also be used for other pertinent project information.

NONE PROVIDED

Post-Construction SMP Identification

Runoff Reduction (RR) Techniques, Standard Stormwater Management Practices (SMPs) and Alternative SMPs

Identify the Post-construction SMPs to be used by providing the total impervious area that contributes runoff to each technique/practice selected. For the Area Reduction Techniques, provide the total contributing area (includes pervious area) and, if applicable, the total impervious area that contributes runoff to the technique/practice.

RR Techniques (Area Reduction)

Round to the nearest tenth

Total Contributing Acres for Conservation of Natural Area (RR-1)

NONE PROVIDED

Total Contributing Impervious Acres for Conservation of Natural Area (RR-1)

NONE PROVIDED

Total Contributing Acres for Sheetflow to Riparian Buffers/Filter Strips (RR-2)

NONE PROVIDED

Total Contributing Impervious Acres for Sheetflow to Riparian Buffers/Filter Strips (RR-2)

NONE PROVIDED

Total Contributing Acres for Tree Planting/Tree Pit (RR-3)

NONE PROVIDED

Total Contributing Impervious Acres for Tree Planting/Tree Pit (RR-3)

NONE PROVIDED

Total Contributing Acres for Disconnection of Rooftop Runoff (RR-4)

NONE PROVIDED

RR Techniques (Volume Reduction)

Total Contributing Impervious Acres for Disconnection of Rooftop Runoff (RR-4)

NONE PROVIDED

Total Contributing Impervious Acres for Vegetated Swale (RR-5)

NONE PROVIDED

Total Contributing Impervious Acres for Rain Garden (RR-6)

NONE PROVIDED

Total Contributing Impervious Acres for Stormwater Planter (RR-7)

NONE PROVIDED

Total Contributing Impervious Acres for Rain Barrel/Cistern (RR-8)

NONE PROVIDED

Total Contributing Impervious Acres for Porous Pavement (RR-9)

NONE PROVIDED

Total Contributing Impervious Acres for Green Roof (RR-10)

NONE PROVIDED

Standard SMPs with RRv Capacity

Total Contributing Impervious Acres for Infiltration Trench (I-1)
NONE PROVIDED

Total Contributing Impervious Acres for Infiltration Basin (I-2)
NONE PROVIDED

Total Contributing Impervious Acres for Dry Well (I-3)
NONE PROVIDED

Total Contributing Impervious Acres for Underground Infiltration System (I-4)
NONE PROVIDED

Total Contributing Impervious Acres for Bioretention (F-5)
NONE PROVIDED

Total Contributing Impervious Acres for Dry Swale (O-1)
NONE PROVIDED

Standard SMPs

Total Contributing Impervious Acres for Micropool Extended Detention (P-1)
NONE PROVIDED

Total Contributing Impervious Acres for Wet Pond (P-2)
NONE PROVIDED

Total Contributing Impervious Acres for Wet Extended Detention (P-3)
NONE PROVIDED

Total Contributing Impervious Acres for Multiple Pond System (P-4)
NONE PROVIDED

Total Contributing Impervious Acres for Pocket Pond (P-5)
NONE PROVIDED

Total Contributing Impervious Acres for Surface Sand Filter (F-1)
NONE PROVIDED

Total Contributing Impervious Acres for Underground Sand Filter (F-2)
NONE PROVIDED

Total Contributing Impervious Acres for Perimeter Sand Filter (F-3)
NONE PROVIDED

Total Contributing Impervious Acres for Organic Filter (F-4)
NONE PROVIDED

Total Contributing Impervious Acres for Shallow Wetland (W-1)

NONE PROVIDED

Total Contributing Impervious Acres for Extended Detention Wetland (W-2)

NONE PROVIDED

Total Contributing Impervious Acres for Pond/Wetland System (W-3)

NONE PROVIDED

Total Contributing Impervious Acres for Pocket Wetland (W-4)

NONE PROVIDED

Total Contributing Impervious Acres for Wet Swale (O-2)

NONE PROVIDED

**Alternative SMPs (DO NOT INCLUDE PRACTICES BEING USED FOR
PRETREATMENT ONLY)**

Total Contributing Impervious Area for Hydrodynamic

NONE PROVIDED

Total Contributing Impervious Area for Wet Vault

NONE PROVIDED

Total Contributing Impervious Area for Media Filter

NONE PROVIDED

"Other" Alternative SMP?

NONE PROVIDED

Total Contributing Impervious Area for "Other"

NONE PROVIDED

Provide the name and manufacturer of the alternative SMPs (i.e. proprietary practice(s)) being used for WQv treatment.

Note: Redevelopment projects which do not use RR techniques, shall use questions 28, 29, 33 and 33a to provide SMPs used, total WQv required and total WQv provided for the project.

Manufacturer of Alternative SMP

NONE PROVIDED

Name of Alternative SMP

NONE PROVIDED

Other Permits

40. Identify other DEC permits, existing and new, that are required for this project/facility.

Freshwater Wetlands/Article 24

Water Quality Certificate

Stream Bed or Bank Protection/Article 15

Navigable Waters Protection/Article 15

If SPDES Multi-Sector GP, then give permit ID

NONE PROVIDED

If Other, then identify

NONE PROVIDED

41. Does this project require a US Army Corps of Engineers Wetland Permit?

Yes

If "Yes," then indicate Size of Impact, in acres, to the nearest tenth

0.0

42. If this NOI is being submitted for the purpose of continuing or transferring coverage under a general permit for stormwater runoff from construction activities, please indicate the former SPDES number assigned.

NONE PROVIDED

MS4 SWPPP Acceptance

43. Is this project subject to the requirements of a regulated, traditional land use control MS4?

No

If No, skip question 44

44. Has the "MS4 SWPPP Acceptance" form been signed by the principal executive officer or ranking elected official and submitted along with this NOI?

NONE PROVIDED

MS4 SWPPP Acceptance Form Download

Download form from the link below. Complete, sign, and upload.

[MS4 SWPPP Acceptance Form](#)

MS4 Acceptance Form Upload

NONE PROVIDED

Comment

NONE PROVIDED

Owner/Operator Certification

Owner/Operator Certification Form Download

Download the certification form by clicking the link below. Complete, sign, scan, and upload the form.

[Owner/Operator Certification Form \(PDF, 45KB\)](#)

Upload Owner/Operator Certification Form

NONE PROVIDED

Comment

NONE PROVIDED



SWPPP Preparer Certification Form

*SPDES General Permit for Stormwater
Discharges From Construction Activity
(GP-0-20-001)*

Project Site Information

Project/Site Name

Champlain Hudson Power Express Segment 11 Package 7A

Owner/Operator Information

Owner/Operator (Company Name/Private Owner/Municipality Name)

Transmission Developers Inc.

Certification Statement – SWPPP Preparer

I hereby certify that the Stormwater Pollution Prevention Plan (SWPPP) for this project has been prepared in accordance with the terms and conditions of the GP-0-20-001. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of this permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings. ⁽¹⁾

(1) Certification does not include the following that have been prepared by others: All erosion and sedimentation control plans and detail, All hydraulic and hydrologic calculations, SWPPP Document sections including: (a) Project Disturbance Area, (b) Sequence of major activities - construction sequence, (c) Post-construction stormwater management.

Thomas

First name

F

MI

Dussing

Last Name

Thom F. Dussing

Signature

05-31-2023

Date



Owner/Operator Certification Form

SPDES General Permit For Stormwater Discharges From Construction Activity (GP-0-20-001)

Project/Site Name: _____

eNOI Submission Number: _____

eNOI Submitted by: **Owner/Operator** **SWPPP Preparer** **Other**

Certification Statement - Owner/Operator

I have read or been advised of the permit conditions and believe that I understand them. I also understand that, under the terms of the permit, there may be reporting requirements. I hereby certify that this document and the corresponding documents were prepared under my direction or supervision. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further understand that coverage under the general permit will be identified in the acknowledgment that I will receive as a result of submitting this NOI and can be as long as sixty (60) business days as provided for in the general permit. I also understand that, by submitting this NOI, I am acknowledging that the SWPPP has been developed and will be implemented as the first element of construction, and agreeing to comply with all the terms and conditions of the general permit for which this NOI is being submitted.

Owner/Operator First Name **M.I.** **Last Name**

Mark Harrison
Signature

Date

Appendix I

Notice of Termination

**New York State Department of Environmental Conservation
Division of Water
625 Broadway, 4th Floor
Albany, New York 12233-3505**

(NOTE: Submit completed form to address above)

NOTICE OF TERMINATION for Storm Water Discharges Authorized
under the SPDES General Permit for Construction Activity

Please indicate your permit identification number: NYR ____ _

I. Owner or Operator Information

1. Owner/Operator Name:

2. Street Address:

3. City/State/Zip:

4. Contact Person:

4a. Telephone:

4b. Contact Person E-Mail:

II. Project Site Information

5. Project/Site Name:

6. Street Address:

7. City/Zip:

8. County:

III. Reason for Termination

9a. ☐ All disturbed areas have achieved final stabilization in accordance with the general permit and SWPPP. ***Date final stabilization completed** (month/year): _____

9b. ☐ Permit coverage has been transferred to new owner/operator. Indicate new owner/operator's permit identification number: NYR ____ _
(Note: Permit coverage can not be terminated by owner identified in I.1. above until new owner/operator obtains coverage under the general permit)

9c. ☐ Other (Explain on Page 2)

IV. Final Site Information:

10a. Did this construction activity require the development of a SWPPP that includes post-construction stormwater management practices? ☐ yes ☐ no (If no, go to question 10f.)

10b. Have all post-construction stormwater management practices included in the final SWPPP been constructed? ☐ yes ☐ no (If no, explain on Page 2)

10c. Identify the entity responsible for long-term operation and maintenance of practice(s)?

**NOTICE OF TERMINATION for Storm Water Discharges Authorized under the
SPDES General Permit for Construction Activity - continued**

10d. Has the entity responsible for long-term operation and maintenance been given a copy of the operation and maintenance plan required by the general permit? ☐ yes ☐ no

10e. Indicate the method used to ensure long-term operation and maintenance of the post-construction stormwater management practice(s):

- ☐ Post-construction stormwater management practice(s) and any right-of-way(s) needed to maintain practice(s) have been deeded to the municipality.
- ☐ Executed maintenance agreement is in place with the municipality that will maintain the post-construction stormwater management practice(s).
- ☐ For post-construction stormwater management practices that are privately owned, a mechanism is in place that requires operation and maintenance of the practice(s) in accordance with the operation and maintenance plan, such as a deed covenant in the owner or operator's deed of record.
- ☐ For post-construction stormwater management practices that are owned by a public or private institution (e.g. school, university or hospital), government agency or authority, or public utility; policy and procedures are in place that ensures operation and maintenance of the practice(s) in accordance with the operation and maintenance plan.

10f. Provide the total area of impervious surface (i.e. roof, pavement, concrete, gravel, etc.) constructed within the disturbance area? _____
(acres)

11. Is this project subject to the requirements of a regulated, traditional land use control MS4? ☐ yes
☐ no
(If Yes, complete section VI - "MS4 Acceptance" statement)

V. Additional Information/Explanation:
(Use this section to answer questions 9c. and 10b., if applicable)

VI. MS4 Acceptance - MS4 Official (principal executive officer or ranking elected official) or Duly Authorized Representative (Note: Not required when 9b. is checked -transfer of coverage)

I have determined that it is acceptable for the owner or operator of the construction project identified in question 5 to submit the Notice of Termination at this time.

Printed Name:

Title/Position:

Signature:

Date:

NOTICE OF TERMINATION for Storm Water Discharges Authorized under the
SPDES General Permit for Construction Activity - continued

VII. Qualified Inspector Certification - Final Stabilization:

I hereby certify that all disturbed areas have achieved final stabilization as defined in the current version of the general permit, and that all temporary, structural erosion and sediment control measures have been removed. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

Printed Name:

Title/Position:

Signature:

Date:

VIII. Qualified Inspector Certification - Post-construction Stormwater Management Practice(s):

I hereby certify that all post-construction stormwater management practices have been constructed in conformance with the SWPPP. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

Printed Name:

Title/Position:

Signature:

Date:

IX. Owner or Operator Certification

I hereby certify that this document was prepared by me or under my direction or supervision. My determination, based upon my inquiry of the person(s) who managed the construction activity, or those persons directly responsible for gathering the information, is that the information provided in this document is true, accurate and complete. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

Printed Name:

Title/Position:

Signature:

Date:

(NYS DEC Notice of Termination - January 2015)

Appendix J

SWPPP Inspection Form

Stormwater Construction Site Inspection Report			Report #
General Information			
Project Name	Champlain Hudson Power Express		
SPDES Permit I.D. No.			
Date of Inspection		Project Location	Catskill
Qualified Inspector's Name(s)		Qualified Inspector's Title(s)	
Inspector's Contact Information			
Describe present phase of construction			
Type of Inspection <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Twice Weekly			
Weather at time of this inspection? <input type="checkbox"/> Sunny <input type="checkbox"/> Cloudy <input type="checkbox"/> Raining <input type="checkbox"/> Snow Cover			
Soil Conditions at time of this inspection? <input type="checkbox"/> Dry <input type="checkbox"/> Wet <input type="checkbox"/> Saturated			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No			
Describe the condition of all points of discharge to natural surface waters and all point of discharge from the construction site located within, or immediately adjacent to the project's property boundaries, which receive runoff from disturbed areas (specifically note if sediment is present):			
SWPPP Documentation Compliance			
1.	Has Notice of Intent (NOI) been filed with NYSDEC and the NOI Acknowledgment form been received?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2.	Is the SWPPP on-site? SWPPP documentation onsite and current	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	
3.	Is the Approved Phasing Plan for Disturbance > 5 Acres being followed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
4.	Is the Project Schedule being followed?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
5.	Any SWPPP revisions? Latest revision date: (list all revisions and dates)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	BMP/Activity	Maintained? If no, list Corrective Action	List Required Completion Date,

			Company, and Responsible Person
Disturbance			
1.	Are construction limits and important resource areas clearly flagged or fenced? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2.	Are areas outside the construction limits undergoing disturbance? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, explain		
3.	Has any single area > 5 Acres been disturbed? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4.	Are clearing and grubbing operations minimized to the smallest practicable area? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	
5.	Has clean stormwater runoff been diverted around areas to be disturbed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	
E&SC Practices			
6.	Were the sediment traps installed prior to any land-disturbing activity? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7.	Are stabilized temporary construction entrances and construction staging area(s) in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8.	Have construction access roads been properly stabilized? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9.	Is there evidence of sediment being tracked onto the street? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10.	Has silt fence been or other perimeter sediment control barriers been installed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	
11.	Are storm drain inlets properly protected? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	
12.	Are washout facilities for concrete available and clearly marked? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	
13.	Are temporary and/or permanent check dams in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	
14.	Are top soil and excess excavated material stored in stabilized stock piles? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	

15.	Are dust control measures being properly implemented?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	
16.	Were creek crossings installed prior to any land-disturbing activity?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Stabilization				
17.	Are all slopes not being actively worked properly stabilized?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	
18.	Are soil slopes steeper than 1V: 3H undergoing surface roughening/seed/mulch?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	
19.	Are disturbed areas stabilized within 14 days?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	
20.	Is the site adequately stabilized at this time?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Other Best Management Practices				
21.	Are vehicle and equipment fueling, clean-out, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	
22.	Are materials that are potential stormwater contaminants stored inside or under cover?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	
23.	Are appropriate materials to control spill located onsite?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	
24.	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	
25.	Is trash/litter from work areas collected and placed in covered dumpsters?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
26.	Are any practices listed in the SWPPP missing?	<input type="checkbox"/> Yes <input type="checkbox"/> No		

Inspector's Signature: _____

Date: _____

Appendix K

SWPPP Amendments

SWPPP Amendments Memorandum

To:

Project No:

From:

Date:

Reference: Champlain Hudson Power Express – SWPPP Amendments Memorandum

Memo Contents:

As of _____ no amendments have been made to this SWPPP document. Should the SWPPP require amendment to document, these changes will be documented here.

Copies To: Town / Village Engineer
Project Manager

Appendix L

Erosion and Sediment Control (E&SC) Plans and Details

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





















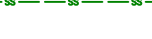

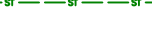



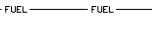







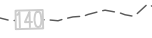





















































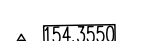

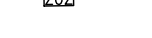












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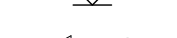







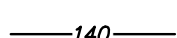















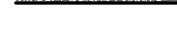

















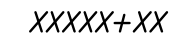

















LEGEND & ABBREVIATIONS

	EXIST. FIBER OPTIC LINE HANDHOLE		EXISTING SIGN
	EXIST. FIBER OPTIC LINE PEDESTAL		EXIST. STRUCTURE POST
	EXIST. FIBER OPTIC LINE DOGHOUSE		EXIST. STRUCTURE MAILBOX
	EXIST. FIBER OPTIC LINE MANHOLE		EXIST. GAS LINE
	EXIST. FIBER OPTIC LINE VAULT		EXIST. UNDERGROUND TELE.
	EXIST. FIBER OPTIC LINE BORE PIT		EXIST. FIBER OPTIC
	EXIST. FIBER OPTIC LOCK BOX		EXIST. OVERHEAD TELE.
	EXIST. GROUND ROD		EXIST. UNDERGROUND ELEC.
	EXIST. FIBER OPTIC MARKER POST		EXIST. OVERHEAD ELEC.
	EXIST. FIBER OPTIC BOX		EXIST. CULVERT
	EXIST. FIBER STORAGE		EXIST. SANITARY SEWER
	EXIST. FIRE HYDRANT		EXIST. STORM SEWER
	EXIST. WATER VALVE		EXIST. POTABLE WATER LINE
	EXIST. WATER MANHOLE		EXIST. FUEL LINE
	EXIST. WATER MARKER		EXIST. RAILROAD TRACK
	EXIST. SANITARY SEWER MANHOLE		CERTIFIED ROUTE PROVIDED BY CHPE KMZ
	EXIST. SANITARY SEWER VENT		RANDALL PREFERRED PROVIDED BY CHPE KMZ
	EXIST. STORM SEWER MANHOLE		EXIST. CONTOUR, INDEX
	EXIST. STORM SEWER CATCH BASIN		EXIST. CONTOUR, DEPRESSION INDEX
	EXIST. CULVERT INVERT		EXIST. CONTOUR, INTERMEDIATE
	EXIST. GAS MANHOLE		EXIST. CONTOUR, DEPRESSION INTERMEDIATE
	EXIST. GAS VALVE		EXIST. SPOT ELEVATION
	EXIST. GAS MARKER		EXIST. DEBRIS
	EXIST. GAS PIPELINE VENT		EXIST. FIELD LINE
	EXIST. LIGHT POLE		EXIST. LANDSCAPE AREA
	EXIST. UTILITY POLE		EXIST. PILE
	EXIST. ELEC. POLE		EXIST. STORAGE AREA
	EXIST. ELEC. TOWER		EXIST. NATURAL BOULDER
	EXIST. TRAFFIC LIGHT		EXIST. NATURAL SHRUB LINE
	EXIST. ELEC. METER		EXIST. NATURAL TREE LINE
	EXIST. ELEC. MANHOLE		EXIST. NATURAL SINGLE TREE/BUSH
	EXIST. ELEC. TRANSFORMER		EXIST. STRUCTURAL BUILDING
	EXIST. ELEC. VAULT		EXIST. PAVED DRIVE
	EXIST. ELEC. HANDHOLE		EXIST. PAVED ROAD
	EXIST. ELEC. PEDESTAL/BOX		EXIST. PAVED SHOULDER
	EXIST. ELEC. MARKER POST		EXIST. PAVED SIDEWALK
	EXIST. ELEC. GUY ANCHOR/WIRE		EXIST. GUARDRAIL
	EXIST. TELE. RISER/BOX		EXIST. TRAIL
	EXIST. TELE. MANHOLE		EXIST. FENCE
	EXIST. TELE. HANDHOLE		EXIST. WALL
	EXIST. TELE. VAULT		EXIST. RETAINING WALL
	EXIST. TELE. PEDESTAL		EXIST. MILEPOST NUMBER
	EXIST. TELE. DOGHOUSE		EXIST. MAPPING BOUNDARY
	EXIST. TELE. MARKER POST		EXIST. GROUND CONTROL
	EXIST. TELE. JUNCTION BOX		EXIST. RIGHT-OF-WAY
	EXIST. TELE. TRAFFIC SIGNAL BOX		EXIST. ABUTTER
	EXIST. CELL TOWER		EXIST. WETLAND FLAG
	EXIST. CABLE BOX		EXIST. WETLANDS
	EXISTING MANHOLE UNKNOWN		EXIST. WATERBODY, STREAM, OR STREAM BANK
	EXISTING UTILITY BOX UNKNOWN		
	EXISTING ANTENNA		
	EXISTING CAPPED IRON ROD		
	EXISTING IRON PIPE		
	EXISTING CONCRETE MONUMENT		
	EXISTING POST		
	EXISTING REFLECTOR MARKER		
	EXISTING SYMBOL		

NOTES:

1. LIMIT OF WORK (LOW) – THE BOUNDARY IN WHICH ALL CONSTRUCTION ACTIVITIES, STOCKPILES MATERIAL, EQUIPMENT STORAGE, ACCESS, PARKING, GRADING, LANDSCAPING, RESTORATION, AND ANY OTHER CONSTRUCTION RELATED ACTIVITIES SHALL OCCUR. ADDITIONALLY, THE LOW IS THE BOUNDARY FOR ALL POTENTIAL DISTURBANCE DURING CONSTRUCTION. UNLESS OTHERWISE SPECIFIED, WHEN THE LIMIT OF CLEARING AND GRUBBING IS SHOWN ON THE PLANS, IT SHALL ALSO BE THE LOW. THE LOW INCLUDES THE AREA THAT WOULD BE CONSIDERED THE LIMIT OF DISTURBANCE (LOD).

	PEM – PALUSTRINE EMERGENT
	PSS – PALUSTRINE SCRUB-SHRUB
	PFO – PALUSTRINE FORESTED
	PUB – PALUSTRINE UNCONSOLIDATED BOTTOM
	L1 – LACUSTRINE LIMNETIC
	L2 – LACUSTRINE LITTORAL
	NYSDEC FWW 100-FOOT ADJACENT BUFFER AREA
	ESTIMATED WETLAND BOUNDARY
	ESTIMATED AGRICULTURAL LAND BOUNDARY
	FLOODWAY BOUNDARY
	1% ANNUAL CHANCE FLOODPLAIN BOUNDARY
	0.2% ANNUAL CHANCE FLOODPLAIN BOUNDARY
	JD BOUNDARY
	APPROX. USACE FEDERAL CHANNEL BOUNDARY (TYP.)

	VEG. CLEARING – TYPE I – HAND CUTTING		APP	APPROVED
	VEG. CLEARING – TYPE II – MECHANICAL CLEARING		CL	CENTERLINE
	VEG. CLEARING – TYPE III – MOWING		CMP	CORRUGATED METAL PIPE
	VEG. CLEARING – TYPE IV – MECHANICAL WHOLE-TREE FELLING		CONC	CONCRETE
	PROP. WETLAND PROTECTION FENCE		DB	DESIGNED BY
	PROP. COMPOST FILTER SOCK (OR SILT SOCK)		DEC	NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
	CHECK DAM		DEG	DEGREES
	SURFACE WATER FLOW		DR	DRIVE
	PROP. TEMPORARY SWALE		DZ	DEVIATION ZONE
	STABILIZED CONSTRUCTION ENTRANCE (TYP.)		E	EASTING
	PROP. TEMP MAJOR CONTOUR		ELECTRIC	ELECTRIC CABLE
	PROP. TEMP MINOR CONTOUR		ELEV	ELEVATION
	PROP. LIMITS OF WORK/DISTURBANCE		EQNAHD	STATION EQUATION AHEAD
	PROP. LIMITS OF CLEARING/LIMITS OF WORK IN CLEARING AREAS		EQNBK	STATION EQUATION BACK
	PROP. CONCRETE WASHOUT		EXIST	EXISTING
	PROP. TEMP ACCESS ROAD RTE (EXISTING ROAD OR SURFACE)		FIBER	FIBER OPTIC CABLE
	PROP. TEMP REFURBISHED ACCESS ROAD		FT	FEET
	PROP. TEMP ACCESS ROAD OR OFF SITE ACCESS ROAD		GAS	GAS PIPE
	PROP. WETLAND OR AGRICULTURAL LAND* WORKING SURFACE (SEE SHEET C-613) (*AGRICULTURAL LANDS MAY USE WETLAND WORKING SURFACE OR OTHER APPROVED MITIGATION METHODS)		H	HORIZONTAL
	PROP. MILLING & RESURFACING		HDD	HORIZONTAL DIRECTIONAL DRILLING
	PROP. SPLICE LOCATION		HVDC	HIGH-VOLTAGE DIRECT CURRENT TRANSMISSION LINE
	PROP. SPLICE VAULT		INV	INVERT ELEVATION
	PROP. LINK BOX HANDHOLE		LOW	LIMITS OF WORK
	PROP. FIBER SPLICE HANDHOLE		LT	LEFT
	PROP. BORING LOCATION		MAX	MAXIMUM
	PROP. ALIGNMENT STATIONING		MIN	MINIMUM
	PROP. ALIGNMENT CENTERLINE		N	NORTHING
	PROP. LAYDOWN YARDS, PARKING, STORAGE & MUSTER AREA		NO	NUMBER
	PROP. WORK AREAS		NY	NEW YORK
	7' FOUL ZONE: NO VEHICLES, MATERIALS, DISTURBANCE, PERSONNEL, OR WORK SHALL ENCROACH THE ZONE WITHIN 7FT OF THE NEAREST RAIL WITHOUT CSX COORDINATION AND APPROVAL		NYDEP	NEW YORK CITY DEPT. OF ENVIRONMENT PROTECTION
	PROP. SHORING/SHEETING		NYCDOT	NEW YORK CITY DEPT. OF TRANSPORTATION
	PROP. TEMP EASEMENT		NYDRP	NEW YORK CITY DEPT. OF PARKS AND RECREATION
	PROP. PERM EASEMENT		P#	PACKAGE #
	PROP. TEMP ACCESS EASEMENT		PERM	PERMANENT
	SPLICE LOCATION POLE MARKER		PROP.	PROPOSED
	UNDERGROUND POWER CABLE POLE MARKER		PVC	POLYVINYL CHLORIDE
	PROP. TRANSITION BOX MANHOLE		PVI	POINT OF VERTICAL INTERSECTION
	DC CABLE IDENTIFICATION TAGS. SEE SHEET C-807 FOR MORE DETAILS		R	RADIUS

APP	APPROVED
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
DB	DESIGNED BY
DEC	NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DEG	DEGREES
DR	DRIVE
DZ	DEVIATION ZONE
E	EASTING
ELECTRIC	ELECTRIC CABLE
ELEV	ELEVATION
EQNAHD	STATION EQUATION AHEAD
EQNBK	STATION EQUATION BACK
EXIST	EXISTING
FIBER	FIBER OPTIC CABLE
FT	FEET
GAS	GAS PIPE
H	HORIZONTAL
HDD	HORIZONTAL DIRECTIONAL DRILLING
HVDC	HIGH-VOLTAGE DIRECT CURRENT TRANSMISSION LINE
INV	INVERT ELEVATION
LOW	LIMITS OF WORK
LT	LEFT
MAX	MAXIMUM
MIN	MINIMUM
N	NORTHING
NO	NUMBER
NY	NEW YORK
NYDEP	NEW YORK CITY DEPT. OF ENVIRONMENT PROTECTION
NYCDOT	NEW YORK CITY DEPT. OF TRANSPORTATION
NYDRP	NEW YORK CITY DEPT. OF PARKS AND RECREATION
P#	PACKAGE #
PERM	PERMANENT
PROP.	PROPOSED
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
REV	REVISION
ROW	RIGHT-OF-WAY
RT	RIGHT
RTE	ROUTE
SEWER	SANITARY SEWER PIPE
SH	SHEET
ST	STREET
STA	STATION
STORM	STORM DRAIN PIPE
TELECOM	TELECOMMUNICATIONS CABLE
TEMP	TEMPORARY
TR	THERMAL RESISTIVITY
TYP	TYPICAL
V	VERTICAL
WATER	WATERLINE



TETRA TECH ENGINEERING AND SURVEYING P.C.
(A NEW YORK PROFESSIONAL CORPORATION)



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

0	06/19/2023	ISSUED FOR CONSTRUCTION SUBMISSION	RB	JL	
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 11 (PACKAGE 7A) - CSX: CATSKILL
LEGEND & ABBREVIATIONS

DRAWN BY:	RB	DESIGNED BY:	AC	APPROVED BY:	JL	SCALE	AS SHOWN	DATE	06/19/2023
						REV. NO.	0	SH.NO.	OF

KIEWIT PROJECT NO.	21162
TT PROJECT NO.	204-3701
DRAWING NO.	G-004
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