



CHPE LLC
623 Fifth Avenue, 20th Floor
New York, NY 10022

**Champlain Hudson Power Express ("CHPE")
Environmental Management & Construction Plan
Notice of Major Change**

Project: Champlain Hudson Power Express

Segment: 08

Notice Number: 094

PSC Case: 10-T-0139

USACE Permit Number: NAN-2009-01089-M12

Location (Milepost, Town/County): Certified Route MP 178.5 to 179.2, Town of Rotterdam, Schenectady County, New York

Drawing References: Segment 8 (Package 5A) Appendix C Sheets C-107, C-108, C-109, C-309, C-310, C-311, C-312, C-404, C-405

Other Documents/References: N/A

Component(s) Impacted by Change: Segment 8 (Package 5A) Appendix C Sheets C-107, C-108, C-109, C-309, C-310, C-311, C-312, C-404, C-405, Appendix E, and Appendix J

Description of Change:

This change notice is to incorporate revisions to the Appendix C Plan and Profile Drawings of the approved Segment 8 (Package 5A) EM&CP. As part of ongoing co-located infrastructure coordination, National Grid directed the CHPE Project to adjust the HDD 73.A/74 alignment to increase clearances from the overhead electric transmission towers near IFC STA 50102+50 (Lands N/F of Niagara Mohawk Power Corporation TM# 38.00-1-2.31). The northern HDD work area was relocated, and the HDD alignment shifted West to achieve acceptable National Grid clearances. The southern HDD work remained relatively unchanged except for the accommodation of the revised HDD alignment angle entering the area. This Change results in an overall decrease in project impacts at this location by reducing the potential for future conflicts with National Grid utility assets and transportation infrastructure at the New York Thruway (I-90) crossing.

Pursuant to Condition 158(b), this change does not require referral to the Commission based on a substantial increase in environmental impacts, nor does it relate to contested issues decided during the proceeding. While this portion of the alignment is already approved in a State Thruway, this change entails the relocation of the alignment and does not have materially different impacts on the State Thruway. However, as noted above, this change involves shifting a small portion of the alignment outside of the deviation zone (approximately 1,727 feet in length [175 feet trenching and 1,552 feet HDD], extending to a maximum distance outside the deviation zone of 149 feet), and is submitted as a change to the approved EM&CP and Facility route under Certificate Condition 158.

This Change results in an increase of 1,402 SF of Permanent ROW Impacts, an increase of 27,629 SF of Temporary Construction Impacts, and an increase of 1 LF of Temporary Construction ROW Impact to Stream G-R-S-E. Please see below for changes to Segment 8 EM&CP Tables 9-1 and 9-2 reflecting the updated waterbody and wetland impacts. Aside from the rows listed below, there are no additional changes to Segment 8 EM&CP Tables 9-1 and 9-2 from this CN.



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CHANGES TO EM&CP TABLE 9-1 (WATERBODY IMPACTS):

Approximate Station	Waterbody Name	NYSDEC Classification	Waterbody Field ID	Flow Status	Avoidance and Minimization Measure	Permanent ROW Impacts (LF)	Temporary Construction ROW Impact (LF)
B-P5A 41+00	Unnamed Tributary to Hudson River	C/C(T)	G-R-S-E	Perennial	-	-	95

CHANGES TO EM&CP TABLE 9-2 (WETLAND IMPACTS):

Wetland ID	Wetland Community Type	Drawing Station (Appendix C)	Jurisdiction	Permanent ROW Impacts (SF)	Temporary Construction Impacts (SF)	Permanent State Regulated Adjacent Area Impacts (SF)	Temporary State Regulated Adjacent Area Impacts (SF)
P5-Y	PFO	B-P5A 11+50	USACE	323	18,632	-	-
G-B	PFO	B-P5A 14+25	USACE	1,079	10,544	-	-
G-R-E	PEM	B-P5A 37+75	USACE	-	4,842	-	-
G-R-E	PSS	B-P5A 36+50	USACE	-	42,440	-	-

The Deviation Zone Excursion Justification Descriptions and Table 1 of EM&CP "Appendix E Justification for Deviation Zone Excursions in Segment 8" is revised below. Segment 8 Alignment Excursion "S8-3" is revised to "S8-3A", and Segment 8 Alignment Excursion "S8-4" is revised to Excursion "S8-4B".

Excursion S8-3A (Previously "S8-3")

1. Description of the Excursion

Excursion S8-3A is located within the Town of Rotterdam beginning about 1,500' NW of New York State Thruway (I-90) Crossing of CSX tracks (approximately STA B-P5A 11+00 to B-5A 32+20 on Sheet C-107 and C-108 of the Plan and Profile Drawings [Appendix C of the EM&CP]).

2. Justification

As part of ongoing co-located infrastructure coordination, National Grid directed the CHPE Project to adjust the HDD 73.A/74 alignment to increase clearances from the overhead electric transmission towers near STA B-P5A 17+40 (Lands N/F of Niagara Mohawk Power Corporation TM# 38.00-1-2.31). Given the constraints at or near the CSX tracks in conjunction with the National Grid and New York State Thruway (I-90) clearance requirements, this ADZ Excursion request is grounded in engineering reasons and is the minimum necessary to feasibly achieve installation.

3. Environmental Impact

The anticipated ADZ exceedance constitutes a major change as its 149 feet perpendicular to the ACZ at its furthest point; environmental impacts will be minimized, and the overall character of the Facility will not be changed. A detailed impact review and summary of environmental considerations are provided below. 175 feet trenching and 1,350 feet HDD.

Recreation: None present within the vicinity of the excursion based on desktop aerial imagery and field confirmation.

Agricultural Resources: None present within the vicinity of the excursion based on desktop aerial imagery and field confirmation.

Cultural Resources: There are no historic sites or archaeological resources identified in the vicinity of this change. Therefore, no impacts to cultural resources are anticipated.

Threatened and Endangered Species: The change does not involve increased impacts to Threatened and Endangered Species.

Wetlands and Streams: There are two delineated wetlands within the vicinity of this excursion – wetlands P5-Y and G-B. This excursion includes a splice location and trenching alignment within Wetland P5-Y. This excursion includes trenching and HDD alignment within Wetland G-B. This area will be restored as described in Section 14 of the EM&CP.

4. New Landowners Affected

There are no new landowners affected by this change.

Excursion S8-4A

1. Description of the Excursion

Excursion S8-4A is located within the Town of Rotterdam beginning about 80' SW of New York State Thruway (I-90) Crossing of CSX tracks (approximately STA B-P5A 33+a75 to B-5A 36+38 on Sheet C-107 and C-108 of the Plan and Profile Drawings [Appendix C of the EM&CP]). Excursion S8-4A is a continuation of the HDD portion of Excursion S8-3A.

2. Justification

As part of ongoing co-located infrastructure coordination, National Grid directed the CHPE Project to adjust the HDD 73.A/74 alignment to increase clearances from the overhead electric transmission towers near STA B-P5A 17+40 (Lands N/F of Niagara Mohawk Power Corporation TM# 38.00-1-2.31). Given the constraints at or near the CSX tracks in conjunction with the National Grid and New York State Thruway (I-90) clearance requirements, this ADZ Excursion request is grounded in engineering reasons and is the minimum necessary to feasibly achieve installation.

3. Environmental Impact

The anticipated ADZ exceedance constitutes a major change as its 60 feet perpendicular to the ACZ at its furthest point; environmental impacts will be minimized, and the overall character of the Facility will not be changed. A detailed impact review and summary of environmental considerations are provided below. 202 feet HDD.

Recreation: None present within the vicinity of the excursion based on desktop aerial imagery and field confirmation.

Agricultural Resources: None present within the vicinity of the excursion based on desktop aerial imagery and field confirmation.

Cultural Resources: There are no historic sites or archaeological resources identified in the vicinity of this change. Therefore, no impacts to cultural resources are anticipated.

Threatened and Endangered Species: The change does not involve increased impacts to Threatened and Endangered Species.

Wetlands and Streams: There is one delineated wetland within the vicinity of this excursion – wetland G-R-E. This excursion includes trenching alignment through Wetland G-R-E. This area will be restored as described in Section 14 of the EM&CP.

4. New Landowners Affected

There are no new landowners affected by this change.

Excursion S8-4B (Previously "S8-4")

1. Description of the Excursion

Segment 8 Excursion 4 (Excursion S8-4B) is located in the Town of Rotterdam just south of the New York State Thruway (I-90) crossing (approximately STA 50124 to 50130 on Sheet C-109 of the Plan and Profile Drawings (Appendix C of the EM&CP); see also attached figure set).

2. Justification

Splice vault locations are required at a certain interval (at least every 3,200 feet, approximately) to correspond with the length of cable on each reel. At Excursion S8-4, additional space is required for Splice 158.A. The splice work area must be placed perpendicular to the alignment and therefore there is not enough space for the splice work area between the tracks and the alignment at this location. Due to this spatial requirement, the alignment leading up to and out of the splice, and the splice itself will be placed outside and parallel to the ADZ for a total of approximately 675 linear feet. This ADZ Excursion request is grounded in engineering reasons and is the minimum necessary to feasibly achieve the installation.

3. Environmental Impact

The anticipated ADZ exceedance constitutes a minor change, as it is approximately 24 feet perpendicular to the edge of the ADZ at its furthest point; environmental impacts will be minimized, and the overall character of the Facility will not be changed. A detailed impact review and a summary of environmental considerations are provided below.

Agricultural Resources: None present within the vicinity of the excursion based on desktop aerial imagery and field confirmation.

Cultural Resources: Hartgen Associates performed a review of the Segment 8 alignment and identified areas where the Facility may impact cultural resources (see Table 11-1 of the EM&CP and Appendix O – Cultural Resources Management Plan). Excursion S8-4 is not in the vicinity of any identified archaeologic or historic resources and therefore does not result in any additional impact.

Terrestrial Ecology: Excursion S8-4 occurs along a vegetated edge of the CSX ROW and encroaches slightly into adjacent private properties. Tree and vegetation clearing would be required within the ADZ at this location and is also required for the excursion. Excursion S8-4 requires the same amount of tree and vegetation clearing for the placement on the conduit in this location. Clearing will be selective and only remove what is required within the Limit of Work (LOW) for the construction of the Facility. The area will be restored as described in Section 14 of the EM&CP and any visual buffers will be replaced as required by DPS or private lease agreements.

Threatened and Endangered Species: There are no known rare, threatened or endangered (RTE) species habitat within the vicinity of Excursion S8-4 as identified through consultation with the DEC or USFWS.

Wetlands and Streams: There is one stream (G-R-S-E) which flows through a culvert at this location along the Project Corridor and within the area of the excursion. This culvert is being avoided by trenching around the end of the culvert outfall – similar to what would be proposed should the work not be located outside of the ADZ. Additionally, this excursion is within delineated wetland G-R-E. This wetland was delineated within the Project Corridor and extends outside of the ADZ for a portion of the excursion. Slightly more wetland is impacted in the northern portion of the excursion, but is required per the justification above. The area will be restored as described in Section 14 of the EM&CP.

4. New Landowners Affected

There are no new landowners affected by this change.

CC Requirements for Modifying an EMCP

#	Certificate Condition	Description of the Proposed change
158	The EM&CP approved by the Commission may incorporate modifications from the EM&CP proposed by the Certificate Holders. No change to the approved EM&CP may thereafter be made except in accordance with the following procedures:	
158(a)	For a proposed change that: (i) would involve a site listed or eligible for listing on the New York State or National Register of Historic Places, the Certificate Holders shall give at least two (2) weeks prior notice to the Field Service Bureau of OPRHP. (ii) would involve any State-regulated	(i) This change does not involve a site listed in the NYS or National Register of Historic Places.

	<p>wetland or protected stream or water body, the Certificate Holders shall give at least two weeks prior notice to NYSDEC, and, if within the Adirondack Park, to APA. (iii) would affect the occupied habitat of a TE species, the Certificate Holders shall give at least two weeks prior notice to NYSDEC and to the USFWS or NMFS (where applicable) prior to providing notice to DPS staff of the proposed change. (iv) would affect the individual or habitat supporting RTE plants, the Certificate Holders shall give at least two (2) weeks prior notice to NYSDEC and DPS. (v) would involve agricultural land, the Certificate Holders shall give at least two (2) weeks prior notice to Ag & Mkts. (vi) would involve the herbicides planned for use (including mixed proportions, additives or method of application), the Certificate Holders shall give at least thirty (30) days prior notice to NYSDEC. (vii) would affect land or water owned or controlled by CNY, the Certificate Holders shall give at least two (2) weeks prior notice to CNY.</p>	<p>(ii) This change results in an increased impact to federal and State-regulated wetland or waterbody and is not located in the Adirondack Park.</p> <p>(iii) This change does not affect an occupied habitat of a TE species.</p> <p>(iv) This change does not affect individual species or habitat supporting RTE plants.</p> <p>(v) The change does not involve Agricultural Land.</p> <p>(vi) There are no changes in herbicide use as result of the requested revision.</p> <p>(vii) The change is not on land owned or occupied by New York City.</p>
158(b)	<p>The Certificate Holders shall report any proposed changes to the EM&CP to DPS Staff. DPS Staff will refer to the Commission for approval any proposed changes that cause a substantial increase in environmental impact, after consultation with NYSDEC, any proposed changes that relate to contested issues decided during the proceeding, and any proposed changes affecting State highways (but need not do so if the report indicates NYSDOT's agreement to such proposed changes). DPS Staff is authorized to approve all other proposed changes, in accordance with the procedure outlined herein, and will submit reports of such changes to the Secretary or the Secretary's designee, which reports will be posted on the Commission's website under this case number.</p>	See description above.
158(c)	<p>Upon being advised that DPS Staff will refer a proposed change to the Commission, the Certificate Holders shall notify all active parties that have requested to be so notified, as well as property owners or lessees whose property is affected by the proposed change. The notice shall: (i) describe the original conditions and the requested change; (ii) provide documents supporting the request; and (iii) state that persons may comment by writing to the Commission within twenty-one (21) days of the notification date.</p>	N/A
158(d)	<p>The Certificate Holders shall not execute any proposed change until they receive written approval from the Commission (if Commission approval is required pursuant to subparagraph (a) of this paragraph) or oral or written approval from DPS Staff (in the case of a change that Staff has authority to approve) except in emergency situations threatening personal injury, property damage, or severe adverse environmental impact, or as specified in the EM&CP. When the Certificate Holders have obtained oral</p>	CHPE anticipates receiving oral or written approval from DPS staff.



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Proposed Change Involves New/Additional Impacts to:

- Site listed or eligible for listing on the New York State or National Register of Historic Places [CC 158(a)(i)]
- State-regulated wetland or protected stream or water body [CC 158(a)(ii)]
- Occupied habitat of a TE species [CC 158(a)(iii)]
- Individual or habitat supporting RTE plants [CC 158(a)(iv)]
- Agricultural land [CC 158(a)(v)]
- Herbicides planned for use (including mixed proportions, additives or method of application) [CC 158(a)(vi)]
- Land or water owned or controlled by CNY [CC 158(a)(vii)]
- Federally regulated wetland or protected stream or water body [Requires Transmittal to ACOE]

List of References and Attachments:

Segment 8 (Package 5A) Appendix C Revised Sheets (C-107, C-108, C-109, C-309, C-310, C-311, C-312, C-404, C-405) NDC-0020

Segment 8 (Package 5A) EM&CP Appendix E Added Sheets NDC-0020

Segment 8 (Package 5A) EM&CP Appendix J Memo NDC-0020

Signoff by: CHPE Overland Team

Date: _____

Approvals

Position	Name	Signature	Date
Segment Engineer:	<u>Beau Nolan</u>	 Electronically signed by Beau.Nolan Date: 05/20/2024 10:40:48 AM	2024-05-20
Segment Manager:	<u>Zack Mayes</u>	 Electronically signed by Zackary.Mayes Date: 05/20/2024 10:40:22 AM	2024-05-20
CHPE, LLC Approval:	<u>Paul Weske</u>		05/30/2024

Transmitted to DPS by: _____

DPS Approval By: _____

Transmitted to ACOE by: _____



Champlain Hudson
Power Express

CHPE LLC
623 Fifth Avenue, 20th Floor
New York, NY 10022

Segment 8 (Package 5A)

NDC-0020 Reviewer Supplement Form

Summary of Plan Revisions

Sheet No.	Rev No.	Revision Description	Summary
C-107	1	NDC-0020_HDD 73A Redesign	HDD 73.A/74 Alignment revised near National Grid Transmission Towers to achieve required clearances per NG Comments. This includes a revised location for Splice Location #158. The revised alignment starts at IFC Alignment STA. 50095+00.00, ends at IFC Alignment STA. 50127+85.00
C-108	1	NDC-0020_HDD 73A Redesign	HDD 73.A/74 Alignment revised near National Grid Transmission Towers to achieve required clearances per NG Comments. The revised alignment starts at IFC Alignment STA. 50095+00.00, ends at IFC Alignment STA. 50127+85.00
C-109	1	NDC-0020_HDD 73A Redesign	HDD 73.A/74 Alignment revised near National Grid Transmission Towers to achieve required clearances per NG Comments. Additional utility survey was performed and incorporated for the "LANDS N/F OF LAWRENCE G. WHITE TM# 58.14-1-4.21". The revised alignment starts at IFC Alignment STA. 50095+00.00, ends at IFC Alignment STA. 50127+85.00
C-309	1	NDC-0020_HDD 73A Redesign	HDD 73.A/74 Alignment revised near National Grid Transmission Towers to achieve required clearances per NG Comments. The revised alignment starts at IFC Alignment STA. 50095+00.00, ends at IFC Alignment STA. 50127+85.00
C-310	1	NDC-0020_HDD 73A Redesign	HDD 73.A/74 Alignment revised near National Grid Transmission Towers to achieve required clearances per NG Comments. Additional utility survey was performed and incorporated for the "LANDS N/F OF LAWRENCE G. WHITE TM# 58.14-1-4.21". The revised alignment starts at IFC Alignment STA. 50095+00.00, ends at IFC Alignment STA. 50127+85.00
C-311	1	NDC-0020_HDD 73A Redesign	HDD 73.A/74 Alignment revised near National Grid Transmission Towers to achieve required clearances per NG Comments. The revised alignment starts at IFC Alignment STA. 50095+00.00, ends at IFC Alignment STA. 50127+85.00
C-312	1	NDC-0020_HDD 73A Redesign	HDD 73.A/74 Alignment revised near National Grid Transmission Towers to achieve required clearances per NG Comments. Additional utility

NDC-0020 – REVIEWER SUPPLEMENT FORM

			survey was performed and incorporated for the "LANDS N/F OF LAWRENCE G. WHITE TM# 58.14-1-4.21". The revised alignment starts at IFC Alignment STA. 50095+00.00, ends at IFC Alignment STA. 50127+85.00
C-404	1	NDC-0020_HDD 73A Redesign	HDD 73.A/74 Alignment revised near National Grid Transmission Towers to achieve required clearances per NG Comments. This includes a revised location for Splice Location #158. The revised alignment starts at IFC Alignment STA. 50095+00.00, ends at IFC Alignment STA. 50127+85.00
C-405	1	NDC-0020_HDD 73A Redesign	HDD 73.A/74 Alignment revised near National Grid Transmission Towers to achieve required clearances per NG Comments. Additional utility survey was performed and incorporated for the "LANDS N/F OF LAWRENCE G. WHITE TM# 58.14-1-4.21". The revised alignment starts at IFC Alignment STA. 50095+00.00, ends at IFC Alignment STA. 50127+85.00

Summary of Affected Easements:

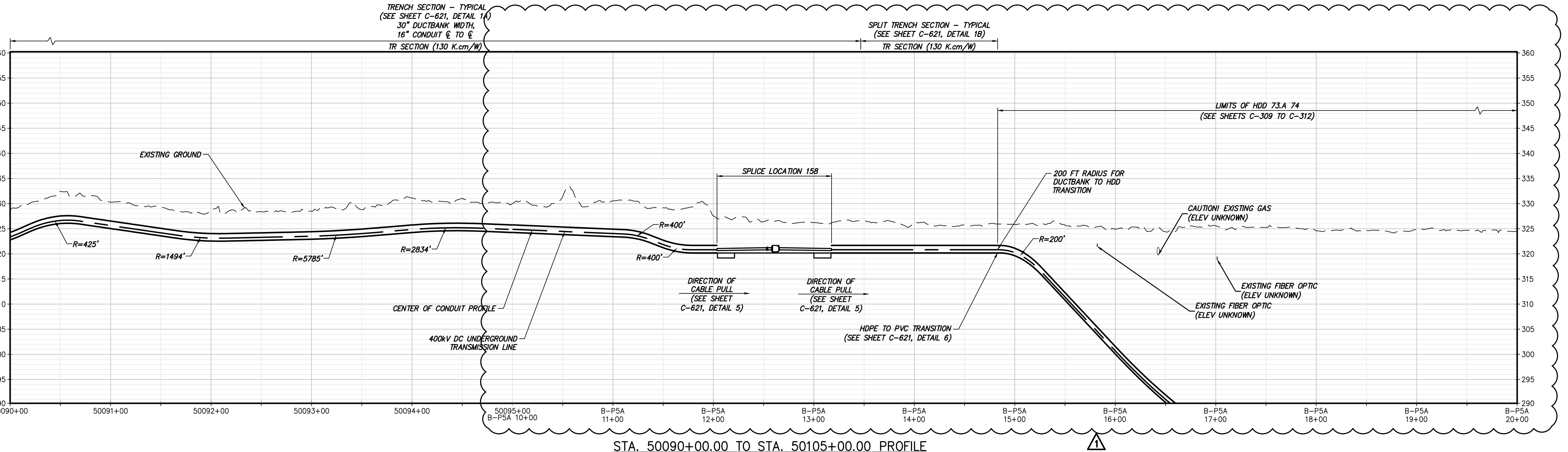
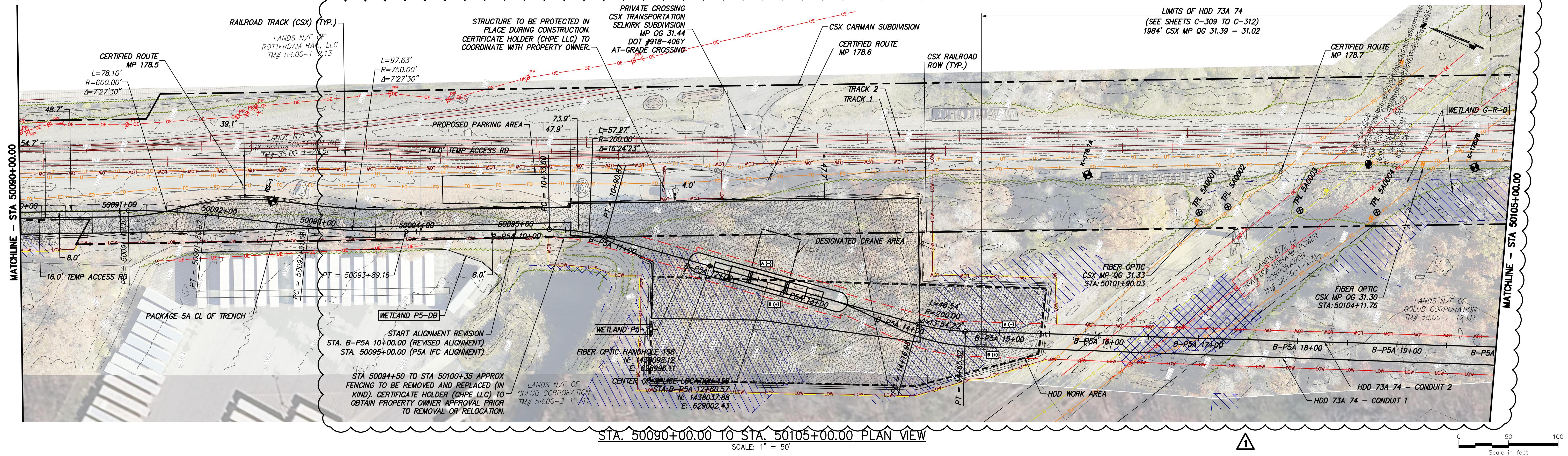
1. LANDS N.F OF GOLUB CORPORATION TM# 58.00-2-12.111
2. LANDS N.F OF NIAGARA MOHAWK POWER CORPORATION TM# 38.00-1-2.31
3. LANDS N.F OF ROTTERDAM VENTURES, INC. TM# 58.00-1-2.31
4. LANDS N.F OF ANEEL RAMTEJ CORPORATION TM# 58.00-1-8
5. LANDS N.F OF LAWRENCE G. WHITE TM# 58.14-1-4.21
6. NEW YORK STATE THRUWAY

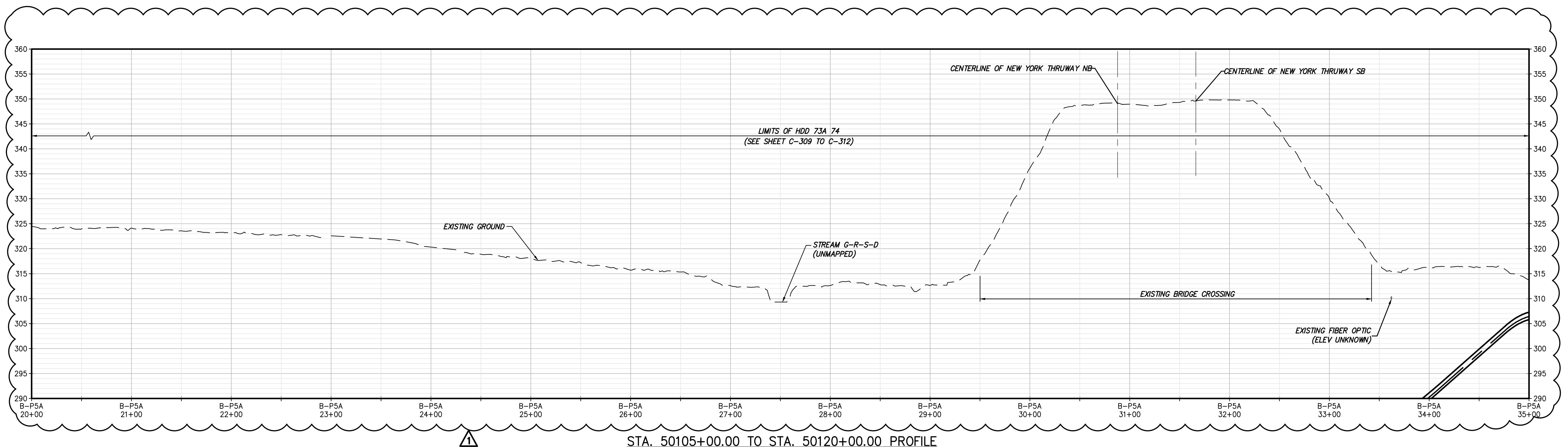
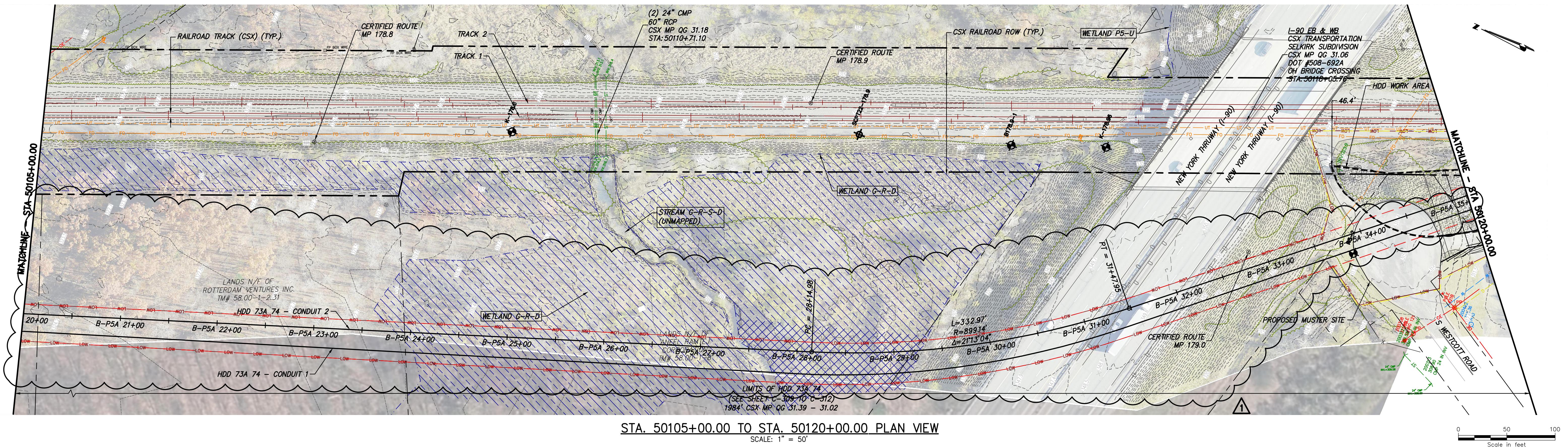


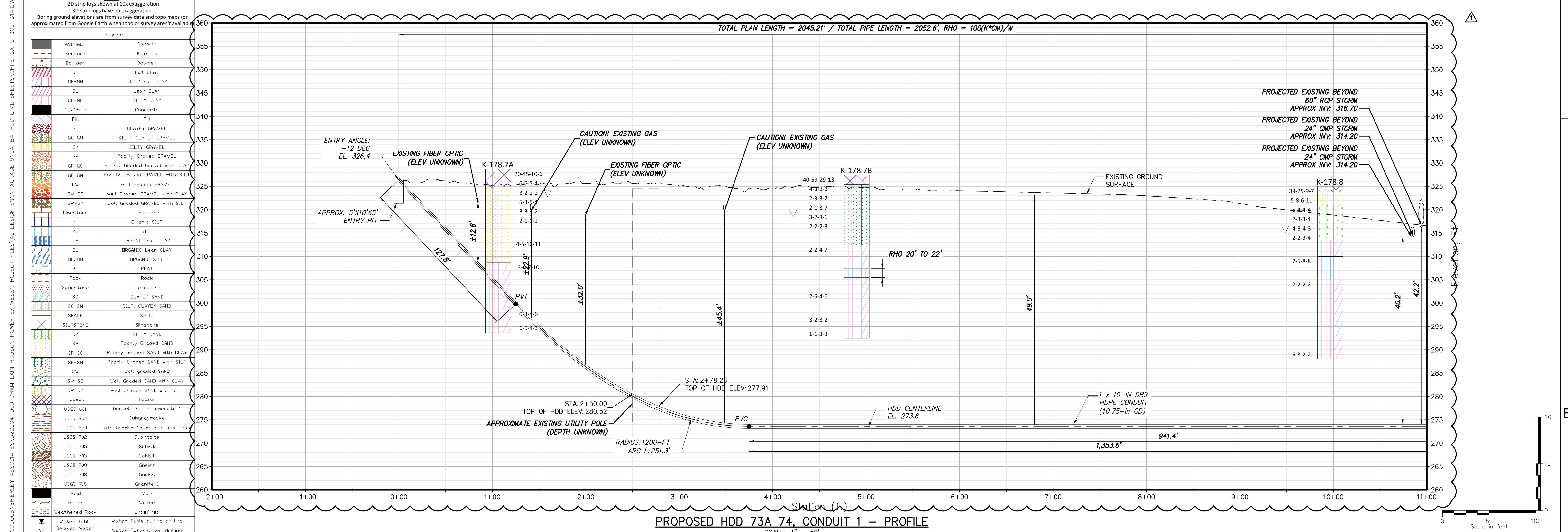
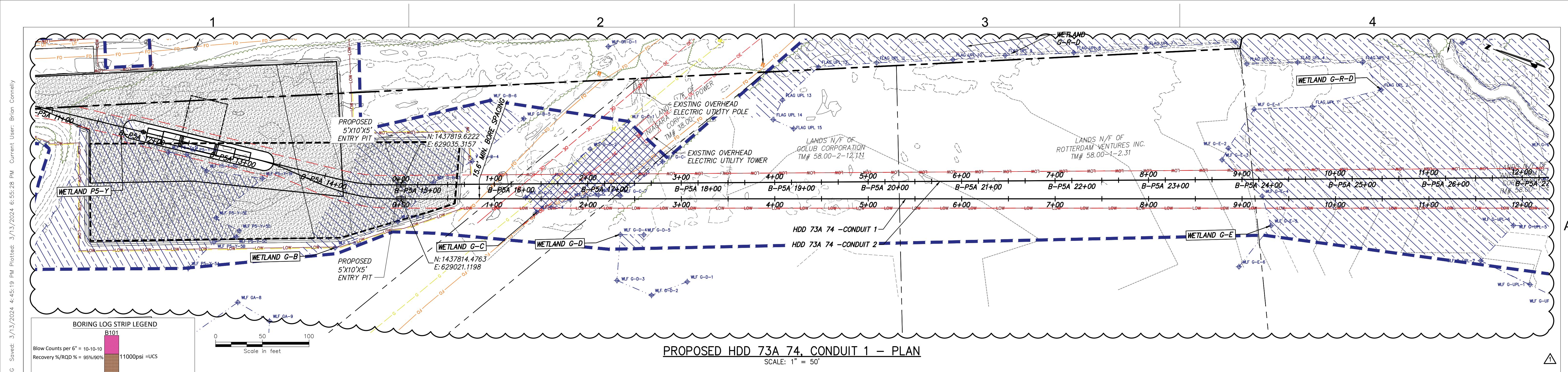
CHPE LLC
623 Fifth Avenue, 20th Floor
New York, NY 10022

Segment 8 (Package 5A)

EM&CP Appendix C Revised Sheets







PROJECT NO.: 21162 PROJECT NO.: 322004-000 ALTERED ON: 3/13/2024 AFFIXED ON: 3/13/2024

BRIERLEY ASSOCIATES
Creating Space Underground
26 Smith Pl, Ste 2, Cambridge, MA 02138
PHONE: 617.714.5784

CHPE
Champlain Hudson Power Express

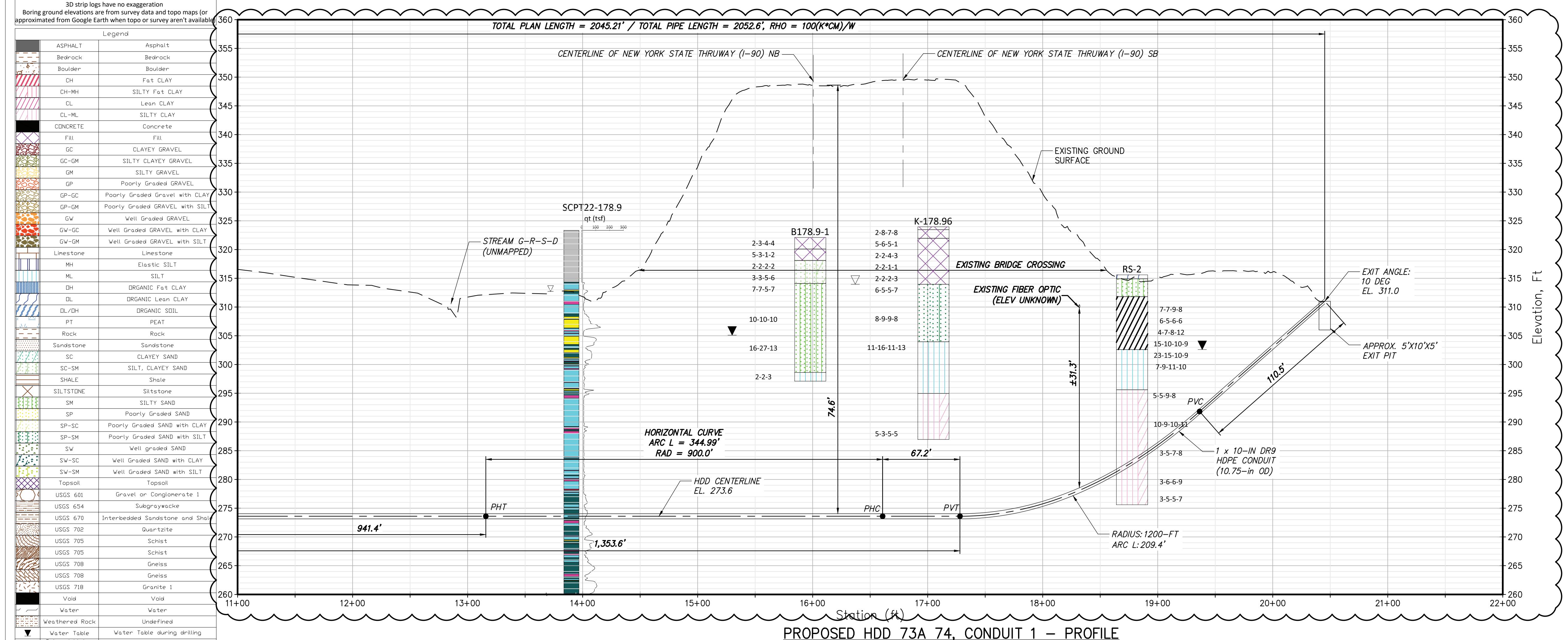
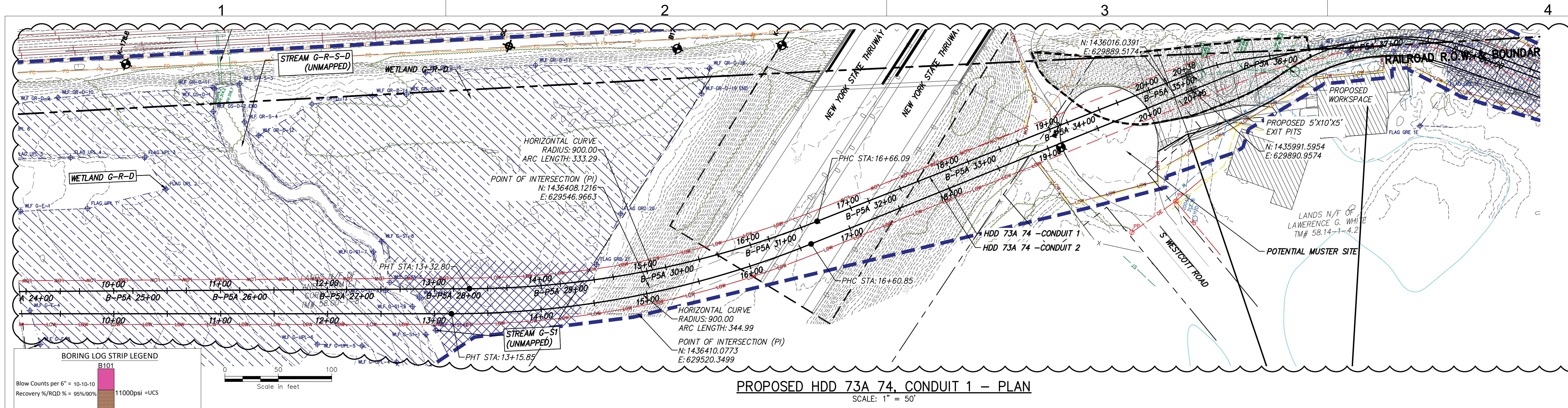
Kiewit

STATE OF NEW YORK
BRIAN C DOWMAR, PE, SGT, LEED AP
ALTERATION TO DRAWING NO. C-309-A
APPROVED BY: BRIAN C DOWMAR, PE, SGT, LEED AP
DATE: 03/14/2024

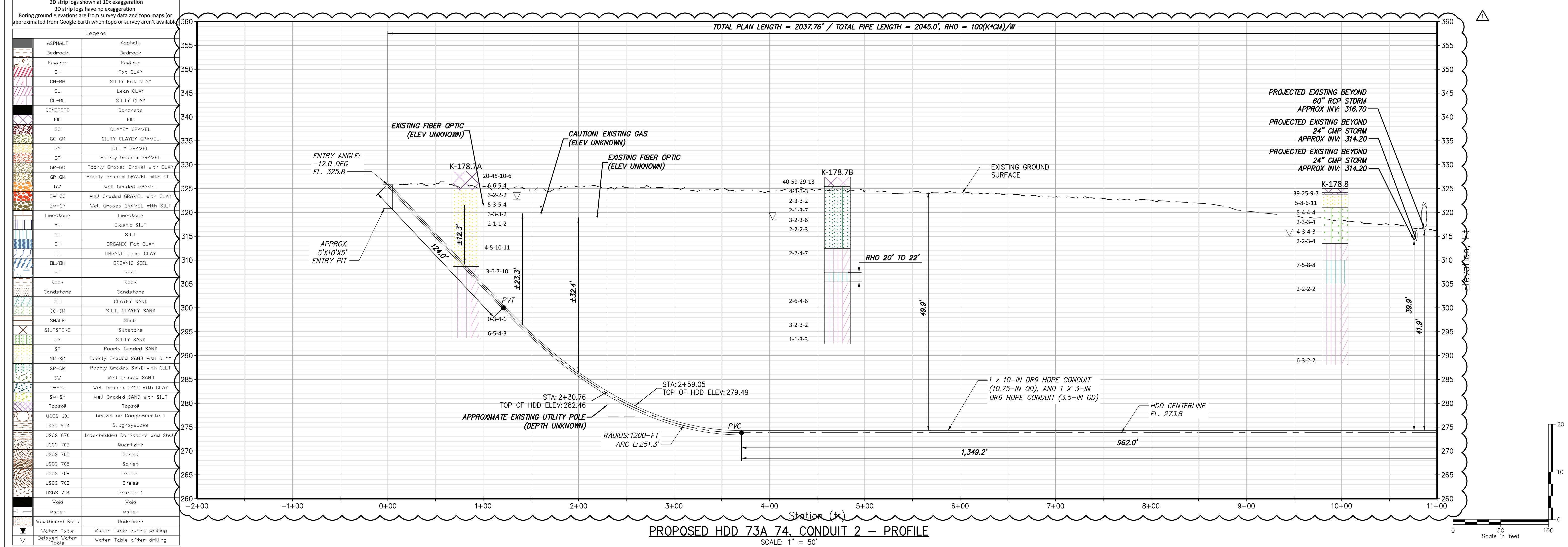
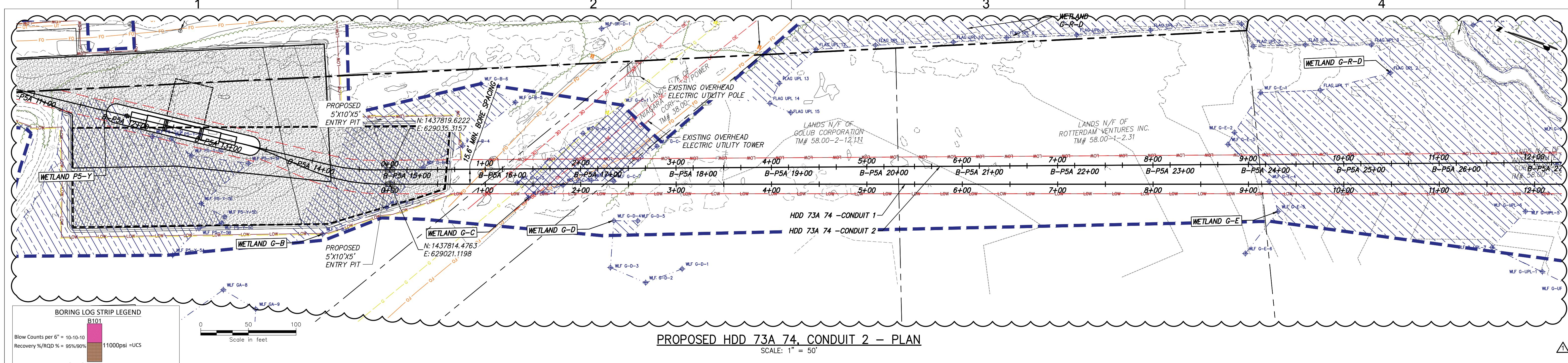
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 8 (PACKAGE 5A) - CSX: ROTTERDAM - BETHLEHEM
PROPOSED PLAN AND PROFILE - HDD 73A 74
NEW YORK STATE THRUWAY (I-90) CROSSING, CONDUIT 1
SCHENECTADY COUNTY, NY

C-309-A
DRAWING NO.
C-309

No.	Date	Submittal / Revision Description	DB	APP	Drawn By: BC	Designed By: NS	Approved By: BD	Scale As Shown
1	03/14/2024	NDC-020: ALIGNMENT REVISIONS PER NAT. GRID COMMENT	NS	BD				
0	03/24/2023	ISSUED FOR CONSTRUCTION SUBMISSION	NS	BD				
No.	Date	Submittal / Revision Description	DB	APP	Drawn By: BC	Designed By: NS	Approved By: BD	Scale As Shown



EXPRESS M - BETHLEHEM	Scale in feet
	PERMIT DRAWING NO.
C-310-A	DRAWING NO.
C-310	AS SHOWN
03/24/2023	



The logo for CHPE (Champlain Hudson Power Express) features a large, bold, blue 'CHPE' monogram. To the left of the monogram is a blue circle containing a white 'C'. Below the monogram, the words 'Champlain Hudson Power Express' are written in a smaller, blue, sans-serif font.

PROJECT NO.: 21162

BRIERLEY ASSOCIATES



AFFIXED ON: 3/13/2018

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

**CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 8 (PACKAGE 5A) - CSX: ROTTERDAM - BETHLEHEM
PROPOSED PLAN AND PROFILE - HDD 73A 74
NEW YORK STATE THRUWAY (I-90) CROSSING, CONDUIT 2
SCHENECTADY COUNTY, NY**

C-311-A

