



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: 10

Notice Number: 084

PSC Case: 10-T-0139

USACE Permit Number: NAN-2009-01089-M10

Location (Milepost, Town/County): Certified Route MP 198.7 to 199.1, Town of Bethlehem, Albany County, New York

Drawing References: Segment 10 (Package 6) Appendix C Sheets C-101, C-102, C-201, C-301, C-301A, C-401

Other Documents/References: N/A

Component(s) Impacted by Change: Segment 10 (Package 6) Appendix C Sheets G-008, C-101, C-102, C-201, C-301, C-301A, C-401, 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 10 (Package 6) EM&CP. NYSDOT provided plans for a future bridge at the US Route 9W Crossing over CSX Railroad tracks and required that the CHPE alignment maintain a minimum clearance of 100 feet to the nearest proposed structure (wingwall). Within this change (IFC STA 60004+00 to STA 60016+09.55), the entry pits and alignment for HDD 91 were shifted to the west to achieve a clearance of +102 feet, tying into the original alignment near the HDD 91 exit pits. This change results in an overall decrease in project impacts at this location by reducing the potential for future conflicts with transportation infrastructure at the US Route 9W crossing. On March 21, 2024, an amendment to the NYSDOT PERM 32 permit that included this change was approved by NYSDOT.

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 Highway, this change entails the relocation of the alignment and does not have materially different impacts on the State Highway. However, as noted above, this change involves shifting a small portion of the alignment outside of the deviation zone (approximately 927 feet in length [402 feet trenching and 525 feet HDD], extending to a maximum distance outside the deviation zone of 141.00 feet), and is submitted as a change to the approved EM&CP and Facility route under Certificate Condition 158.

The Deviation Zone Excursion Table 1 of EM&CP "Appendix E Justification for Deviation Zone Excursions in Segment 10" is revised below:

Excursion	Parcel ID	Location (Approximate – see Drawings for Details)				Justification for Revision	Environmental Impact Reviewed
		Sheet	Mile Point	Station Start	Station End		
S10-1A	N/A	C-101	198.8 to 199.0	60004+00	60016+65.53	New NYSDOT Bridge requires increased HDD clearance.	Cultural Resources; ESA 9; Wetlands; Terrestrial Ecology

Excursion S10-A

1. Description of the Excursion

Excursion S10-A is located within the Town of Bethlehem beginning about 670' NW of US Route 9W Crossing of CSX tracks (approximately STA 60004 to 60017 on Sheet C-101 and C-102 of the Plan and Profile Drawings [Appendix C of the EM&CP]).

2. Justification

NYSDOT provided plans for a future bridge at the US Route 9W Crossing over CSX Railroad tracks and required that the CHPE alignment maintain a minimum clearance of 100 feet to the nearest proposed structure (wingwall). Given the constraints at or near the CSX tracks in conjunction with the NYSDOT 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 it's 141 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. 525' HDD and 402' trench

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 involves a net increase of 0.77 acres of tree clearing in ESA 9. The Contractor will follow the avoidance and minimization efforts outlined in the approved EM&CP and protocol approved by NYSDEC and USFWS.

Wetlands and Streams: There is one delineated wetland within the vicinity of this excursion – wetland P5-Y. This excursion avoids impacting the wetland.

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 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>(i) This change does not involve a site listed in the NYS or National Register of Historic Places.</p> <p>(ii) This change does not result in increased impacts to federally regulated wetlands. This change does not result in increased impacts to State-regulated wetland or waterbody and is not located in the Adirondack Park.</p> <p>(iii) This change affects the 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)	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.	See description above.

#	Certificate Condition	Description of the Proposed change
158(c)	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.	N/A
158(d)	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 approval from DPS Staff for a change, DPS Staff will confirm such approval in writing within ten (10) business days.	CHPE anticipates receiving oral or written approval from DPS staff.

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 10 (Package 6) EM&CP Appendix C Revised Sheets (G-008, C-101, C-102, C-201, C-301, C-301A, C-401) NDC-0054
- Segment 10 (Package 6) EM&CP Appendix E Added Sheet NDC-0054
- Segment 10 (Package 6) EM&CP Appendix J Memo NDC-0054



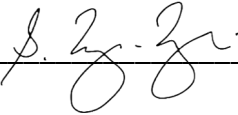


CHPE LLC
623 Fifth Avenue, 20th Floor
New York, NY 10022

Signoff by: CHPE Overland Team

Date: _____

Approvals

Position	Name	Signature	Date
Segment Engineer:	<u>Sophie Noel-Pelletier</u>	 <small>Electronically signed by Sophie.NoelPelletier Date: 03/25/2024 12:42:43 PM</small>	<u>3/25/2024</u>
Segment Manager:	<u>Zackary Mayes</u>	 <small>Electronically signed by Zackary.Mayes Date: 03/25/2024 11:50:33 AM</small>	<u>3/25/2024</u>
CHPE, LLC Approval:	<u>Scott Tracy-Inglis</u>		<u>04/17/2024</u>
Transmitted to DPS by:	_____	_____	_____
DPS Approval By:	_____	_____	_____
Transmitted to ACOE by:	_____	_____	_____



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

Segment 10 (Package 6)
EM&CP Appendix C Revised Sheets

1

2

3

4

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60000+00	C-101	60011+55	C-101	4.0	No	1155	
60015+38	C-101	60042+83	C-103	4.0	No	2801	STA EQUATION 60016+65.53=60016+09.55 WITHIN THESE LIMITS.
60057+89	C-104	60099+81	C-107	4.0	No	4192	
60127+40	C-109	60155+28	C-111	4.0	No	2788	
60179+24	C-112	60204+88	C-114	4.0	No	2564	
60205+50	C-114	61244+51	C-117	4.0	No	3918	STA EQUATION 60240+16.67=61240+00+00 WITHIN THESE LIMITS.
61352+36	C-124	61354+21	C-124	4.0	No	185	CONDUIT B(+) = MIN. 4.0 FT., CONDUIT A(-) = MIN. 3.58 FT.
61389+51	C-126	61390+02	C-127	4.0	No	51	CONDUIT B(+) = MIN. 3.58 FT., CONDUIT A(-) = MIN. 4.0 FT.
61403+83	C-127	61406+87	C-128	4.0	No	304	
61413+45	C-128	61414+82	C-128	4.0	No	137	
62427+75	C-129	62428+36	C-129	4.0	No	61	CONDUIT B(+) = MIN. 4.0 FT., CONDUIT A(-) = MIN. 3.58 FT.
62545+99	C-137	62555+97	C-138	4.0	No	998	
62588+66	C-140	62594+08	C-140	4.0	No	542	
62685+67	C-146	62694+41	C-147	4.0	No	874	
62708+21	C-148	62709+10	C-148	4.0	No	89	
62716+00	C-148	62716+62	C-148	4.0	No	62	
62731+24	C-149	62738+46	C-150	4.0	No	722	
63966+81	C-150	63979+16	C-151	4.0	No	1235	
						△ 22678	LF
LENGTH OF DUCTBANK WITHIN CSX ROW AT 4.0 FT. MIN. COVER						0	LF
LENGTH OF DUCTBANK WITHIN CSX ROW AT 5.0 FT. MIN. COVER						0	LF
LENGTH OF DUCTBANK WITHIN CSX ROW AT 3.58 FT. MIN. COVER						0	LF
						△ 22678	LF
TOTAL LENGTH OF DUCTBANK IN CSX ROW							



PROJECT NO.: 21162

PROJECT NO.:

ALTERED ON:

AFFIXED ON:

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.

No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
1	02/13/2024	NDC-0054: HDD 91 REALIGNMENT FOR NEW RTE 9W BRIDGE	NP	GB
0	02/02/2024	NDC-0066: ISSUED FOR CONSTRUCTION SUBMISSION	WJ	GB

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 10 (PACKAGE 6) - SELKIRK RAIL YARD BYPASS TO CATSKILL
SUMMARY OF DUCTBANK LIMITS WITHIN CSX ROW

PERMIT DRAWING NO.

N/A

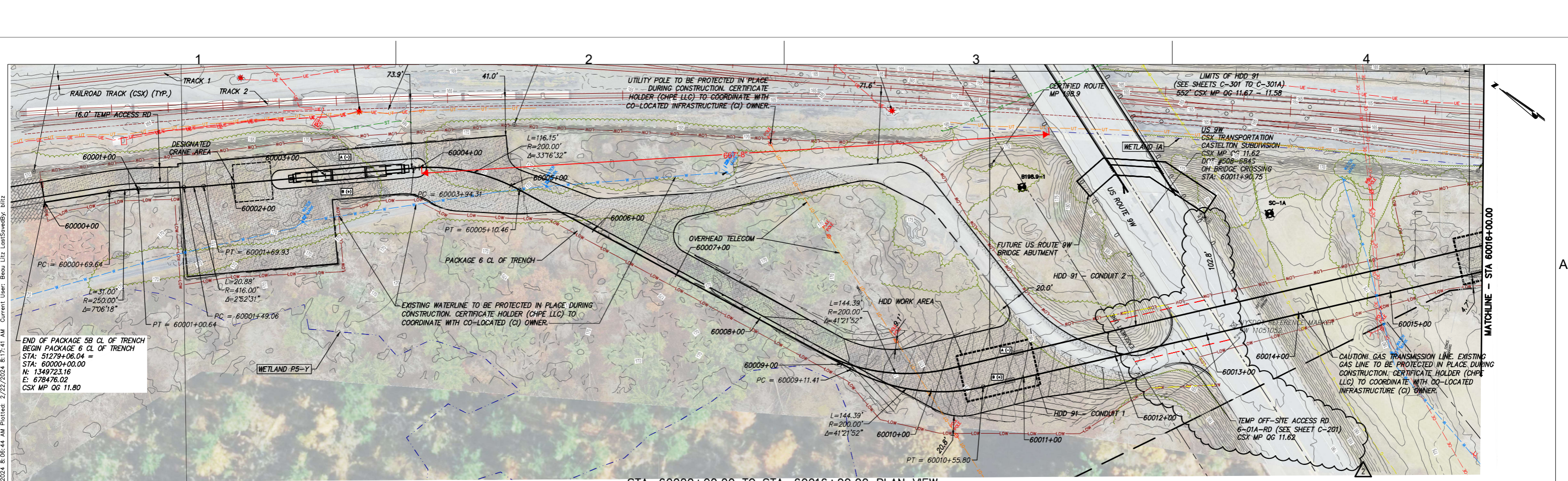
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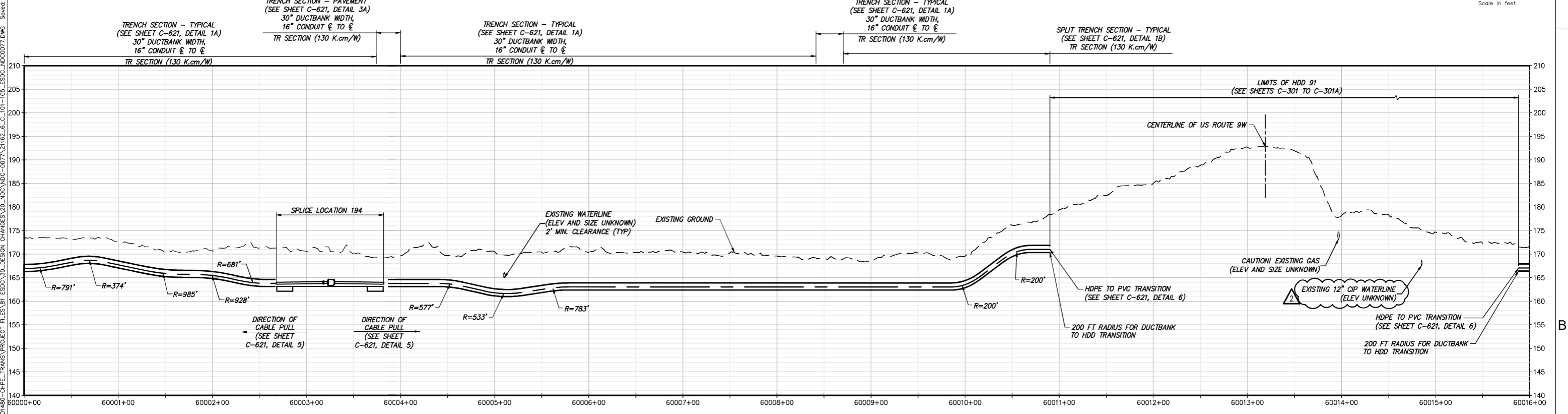
DRAWN BY: WJ DESIGNED BY: FB APPROVED BY: GB SCALE AS SHOWN DATE: 11/29/2023

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STA. 60000+00.00 TO STA. 60016+00.00 PLAN VIEW
SCALE: 1" = 50'

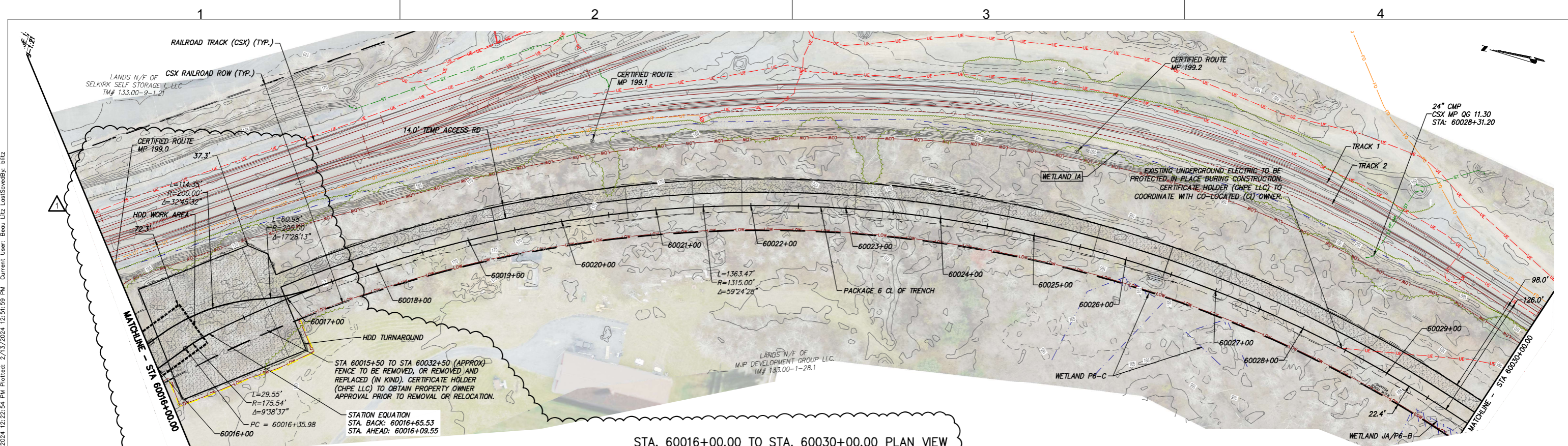


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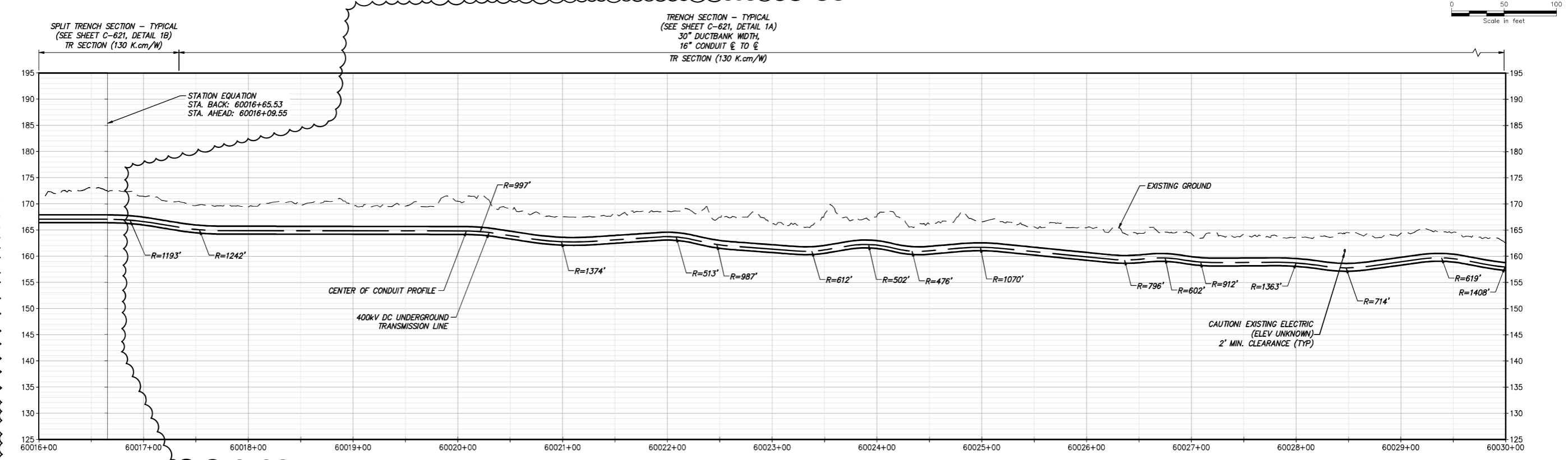
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		No.	DATE	SUBMITTAL / REVISION DESCRIPTION		DB	APP																				
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0	11/29/2023	ISSUED FOR CONSTRUCTION SUBMISSION	BV	TK																							
<p>C-101-A</p>	DRAWING NO.																										
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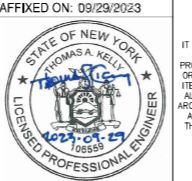
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STA. 60016+00.00 TO STA. 60030+00.00 PROFILE
 SCALE: H: 1" = 50' V: 1" = 10'



PROJECT NO.: 21162



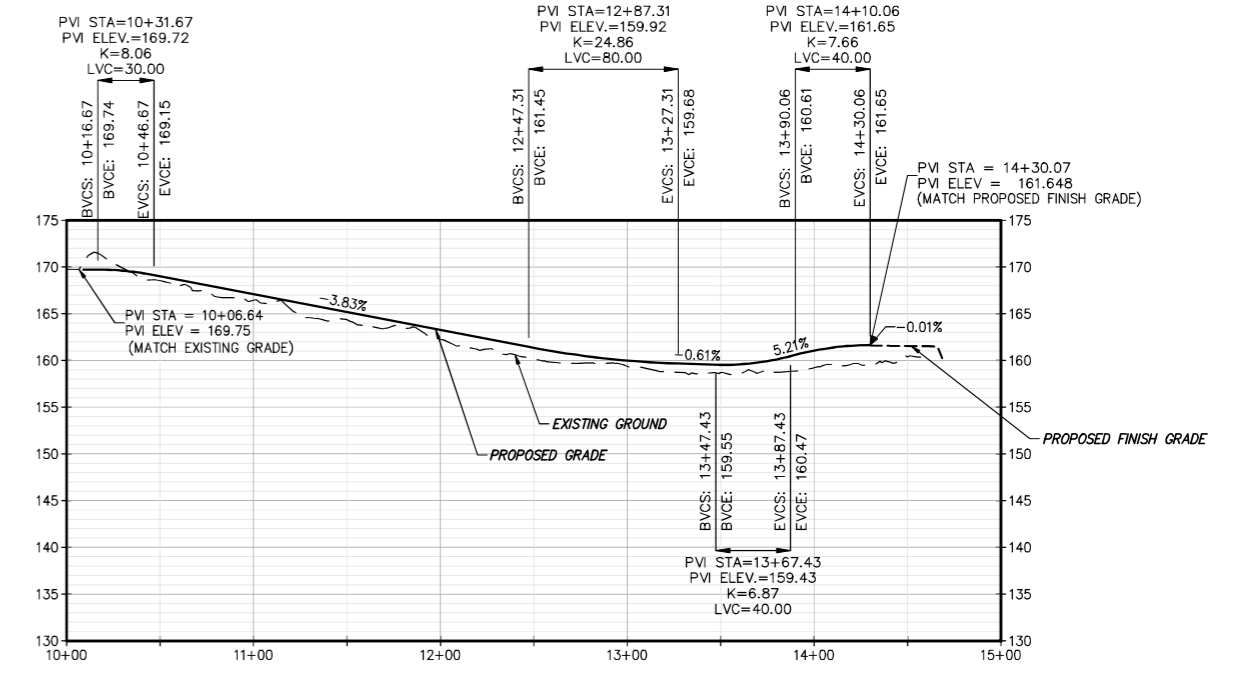
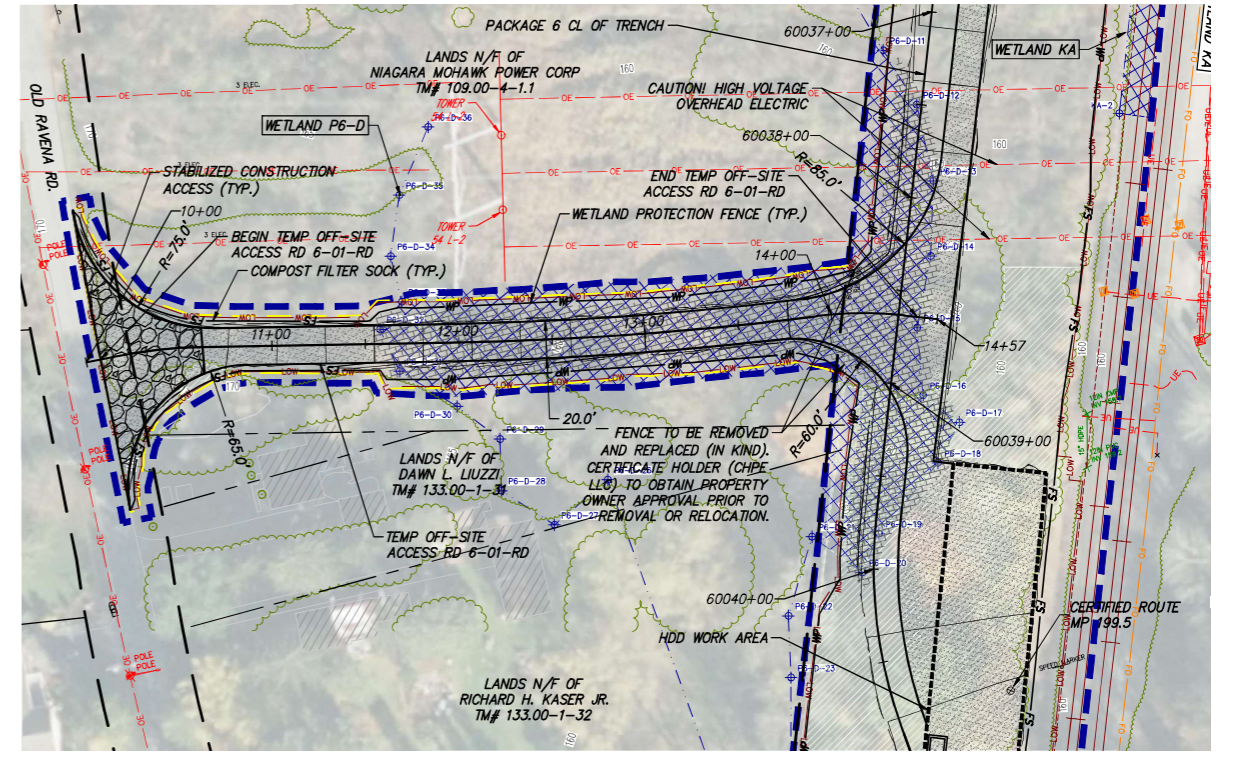
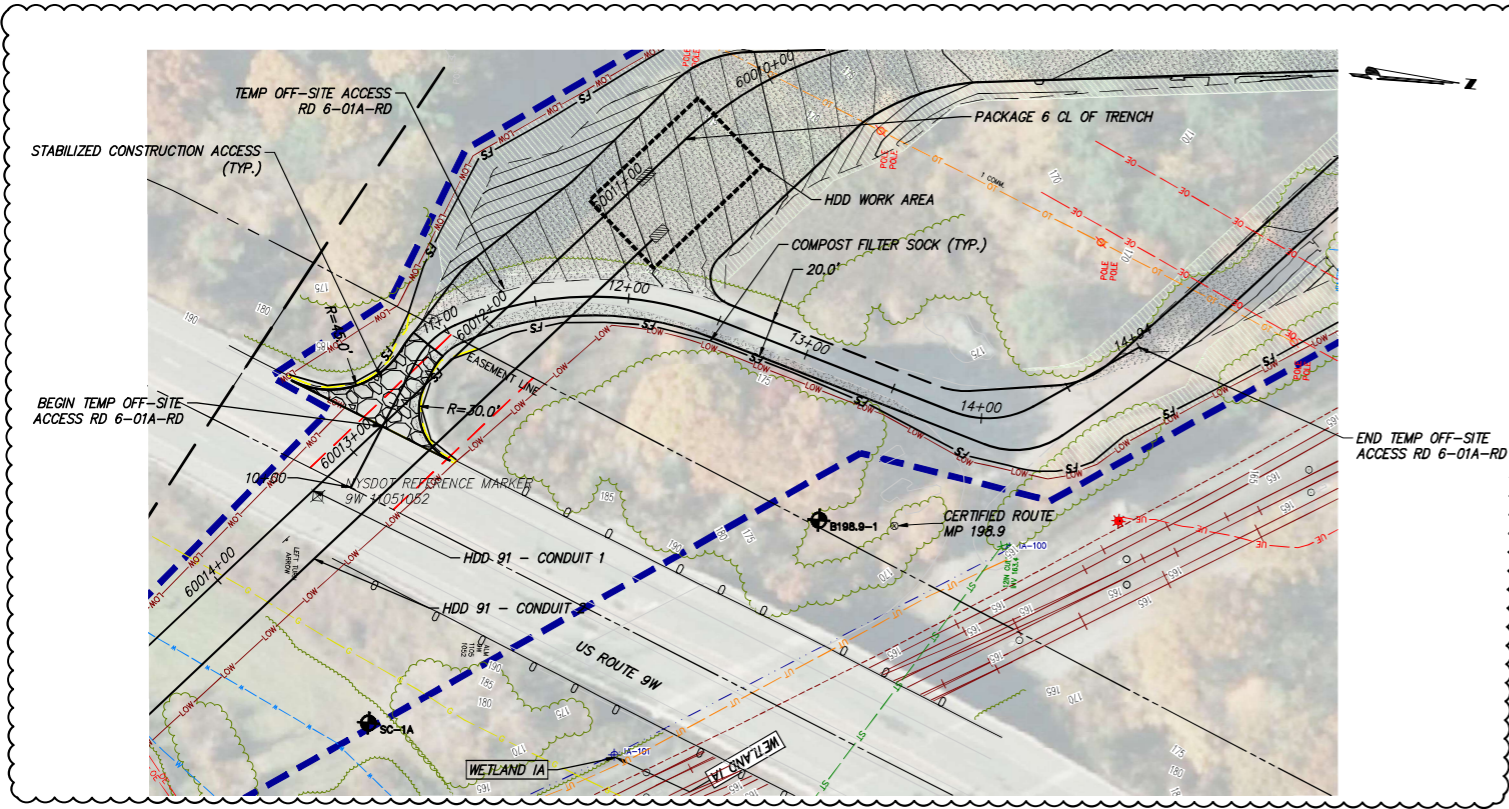
ALTERED ON: 02/13/2024 AFFIXED ON: 09/29/2023
 IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR 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.

No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
1	02/13/2024	NDC-0054_HDD 91 REALIGNMENT FOR NEW RTE 9W BRIDGE	BL	RJ
0	09/29/2023	ISSUED FOR CONSTRUCTION SUBMISSION	BV	TK

CHAMPLAIN HUDSON POWER EXPRESS
 SEGMENT 10 (PACKAGE 6) - SELKIRK RAIL YARD BYPASS TO CATSKILL
 STA. 60016+00.00 TO STA. 60030+00.00
 HVDC CONDUIT PLAN AND PROFILE
 (AND TEMPORARY ACCESS ROAD PLAN)

PERMIT DRAWING NO. _____
 DRAWING NO. **C-102**
 19

DRAWN BY: AR DESIGNED BY: BV APPROVED BY: TK SCALE: AS SHOWN DATE: 11/29/2023



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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
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0	09/29/2023	ISSUED FOR CONSTRUCTION SUBMISSION	BV	TK

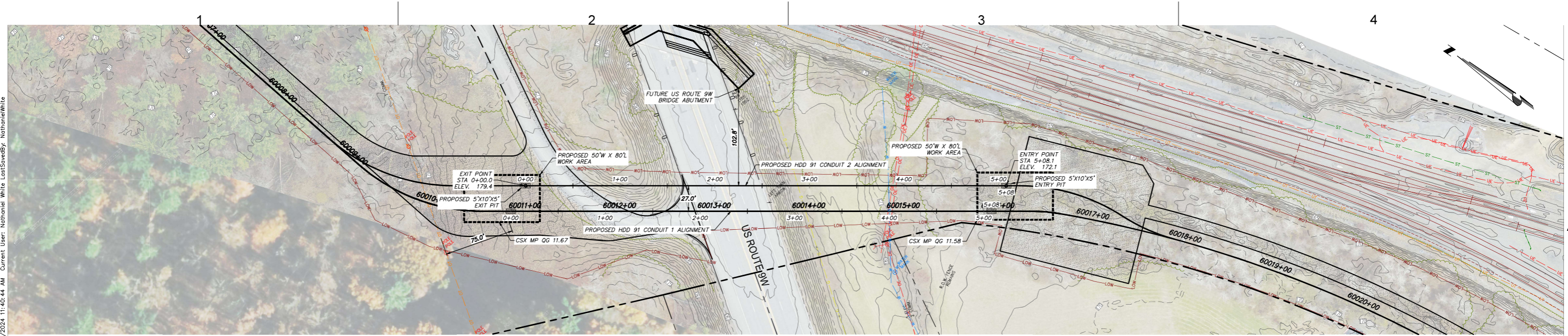
CHAMPLAIN HUDSON POWER EXPRESS
 SEGMENT 10 (PACKAGE 6) - SELKIRK RAIL YARD BYPASS TO CATSKILL
 TEMP OFF-SITE ACCESS ROADS (6-01A-RD & 6-01-RD)

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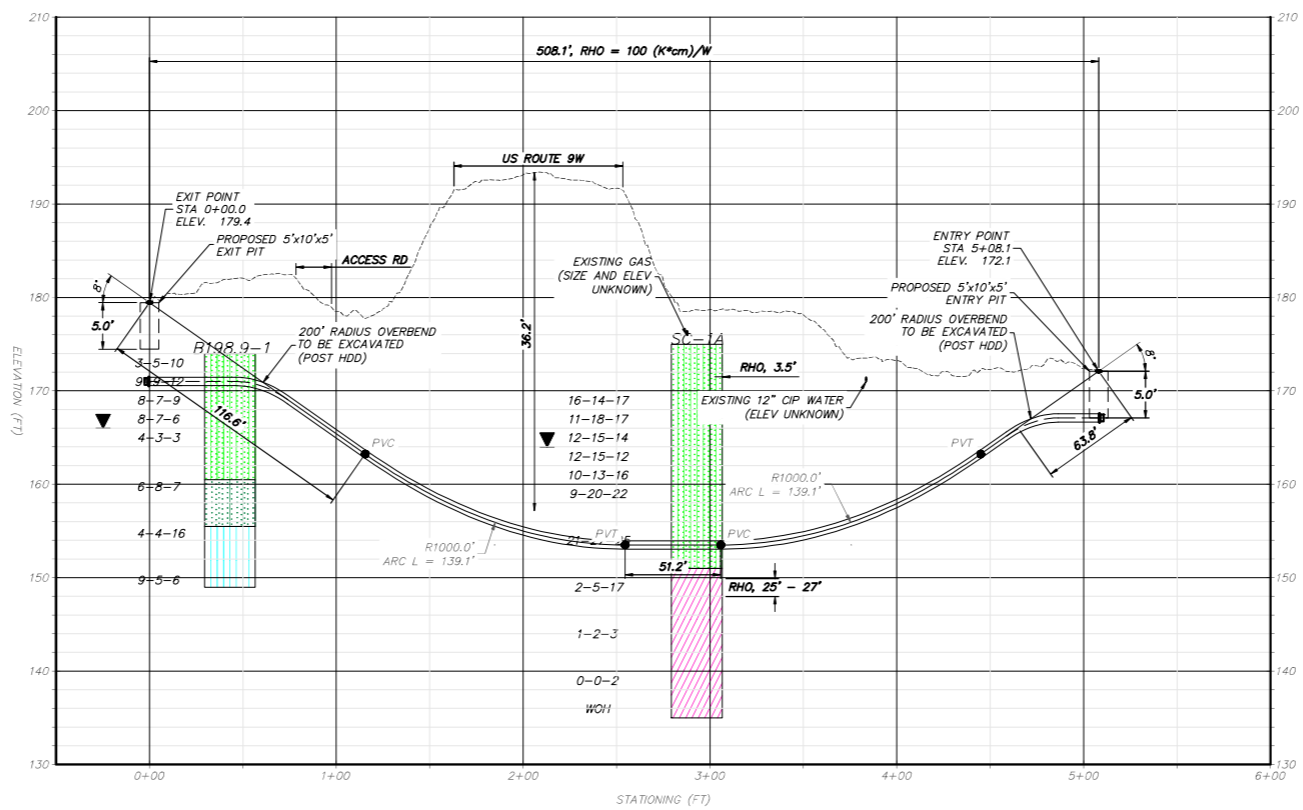
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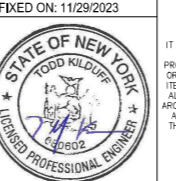
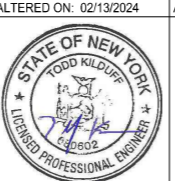
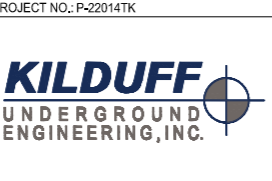


PROPOSED HDD 91 PLAN VIEW
CONDUIT 2
 SCALE: 1" = 50'

Legend	
[Symbol]	ASPHALT
[Symbol]	Bedrock
[Symbol]	Boulder
[Symbol]	CH
[Symbol]	CH-MH
[Symbol]	CL
[Symbol]	CL-ML
[Symbol]	CONCRETE
[Symbol]	FILL
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[Symbol]	Delayed Water Table



PROPOSED HDD 91 PROFILE VIEW
CONDUIT 2
 SCALE: H: 1" = 50' V: 1" = 10'



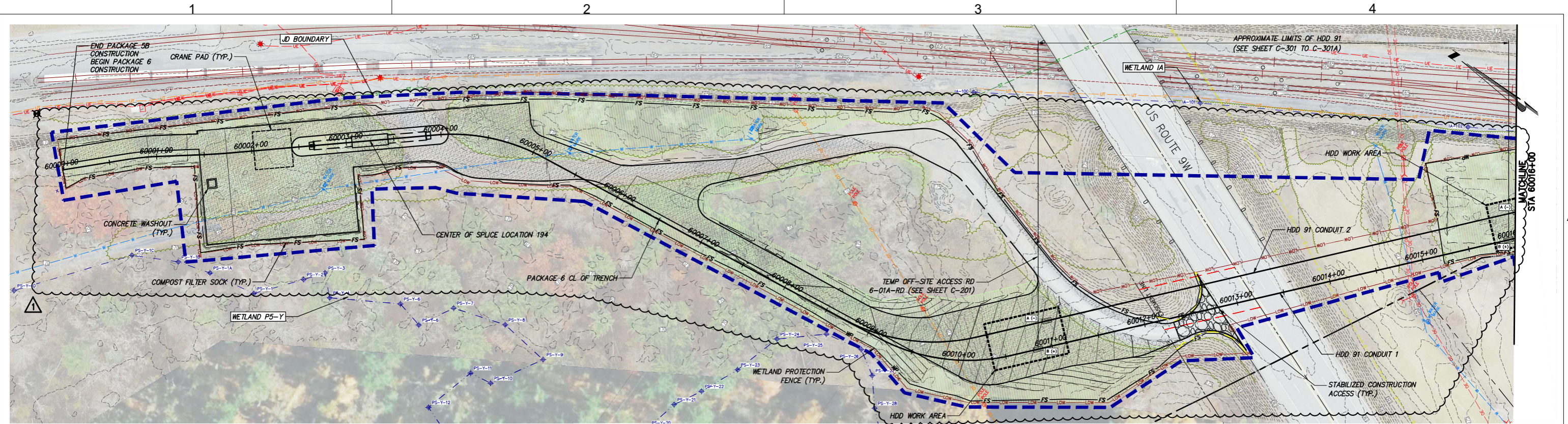
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE 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.

No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
1	02/13/2024	NDC-0054 HDD 91 REALIGNMENT FOR NEW RTE 9W BRIDGE	SA	TK
0	11/29/2023	ISSUED FOR CONSTRUCTION SUBMISSION	BV	TK

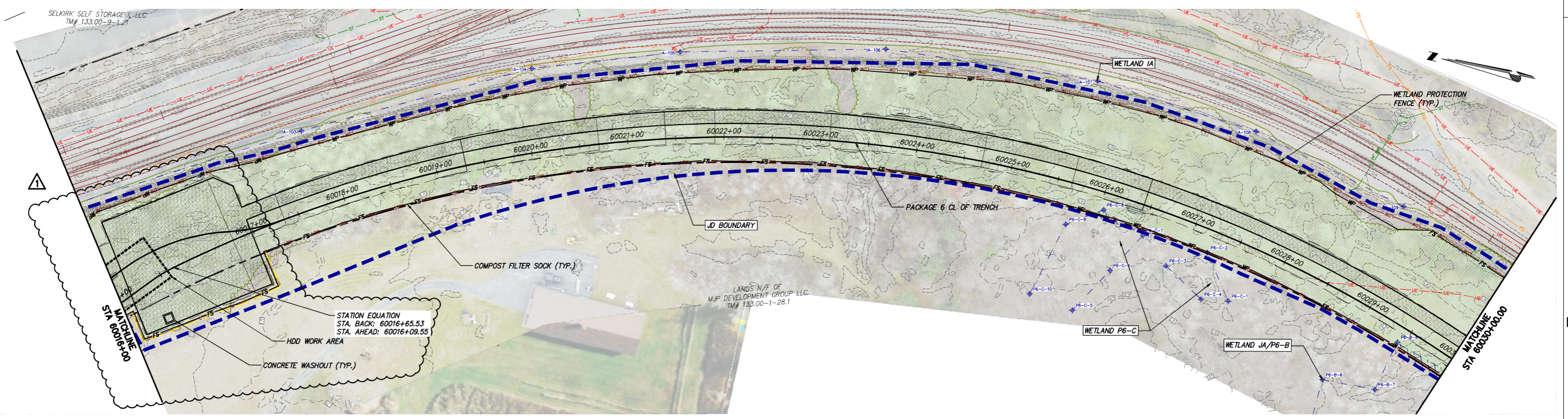
CHAMPLAIN HUDSON POWER EXPRESS
 SEGMENT 10 (PACKAGE 6) - SELKIRK RAIL YARD BYPASS TO CATSKILL
 PROPOSED PLAN AND PROFILE - HDD 91
 US ROUTE 9W CROSSING - CONDUIT 2
 ALBANY COUNTY, NY

DRAWN BY: NW | DESIGNED BY: SA | APPROVED BY: TK | SCALE: AS SHOWN | DATE: 11/29/2023

PERMIT DRAWING NO.
 DRAWING NO.
C-301A
 127

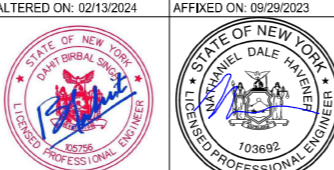
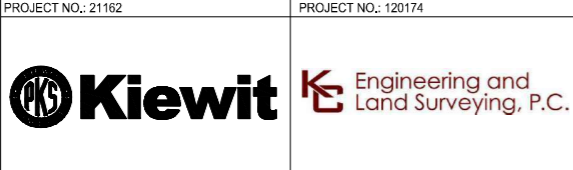


STA. 60000+00 TO STA. 60016+00 PLAN VIEW
SCALE: 1" = 50'



STA. 60016+00 TO STA. 60030+00 PLAN VIEW
SCALE: 1" = 50'

File: C:\USERS\JRAMIREZ\DC\PROJECTS\PROJECT FILES\40 DESIGN ENGS\01 CAD\VP\2162_6_C401-10-C410.DWG. Saved: 2/13/2024 12:14:33 PM. Plotted: 2/13/2024 12:26:34 PM. Current User: Jose Ramirez. Last Saved By: jramirez



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.

No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DR	APP
1	02/13/2024	NDC-0054: HDD 91 REALIGNMENT FOR NEW RTE 9W BRIDGE	JR	BD
0	09/29/2023	ISSUED FOR CONSTRUCTION SUBMISSION	TH/MK	NH

CHAMPLAIN HUDSON POWER EXPRESS
 SEGMENT 10 (PACKAGE 6) - SELKIRK RAIL YARD BYPASS TO CATSKILL
 EROSION AND SEDIMENT CONTROL PLAN
 STA. 60000+00 TO STA. 60030+00

DRAWN BY: TH/MK | DESIGNED BY: MK | APPROVED BY: NH | SCALE: AS SHOWN | DATE: 09/29/2023

PERMIT DRAWING NO.	N/A
DRAWING NO.	C-401



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

Segment 10 (Package 6)
EM&CP Appendix E New Sheet

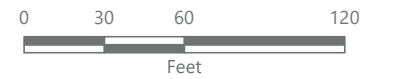
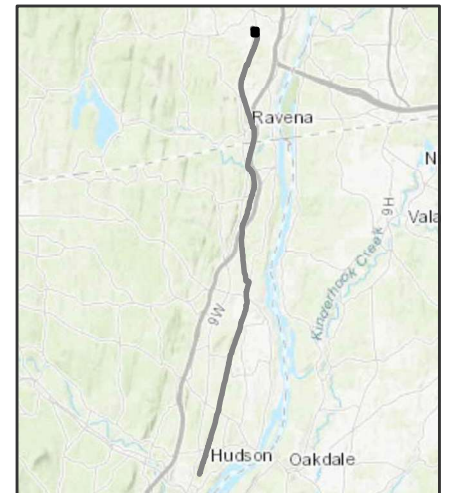
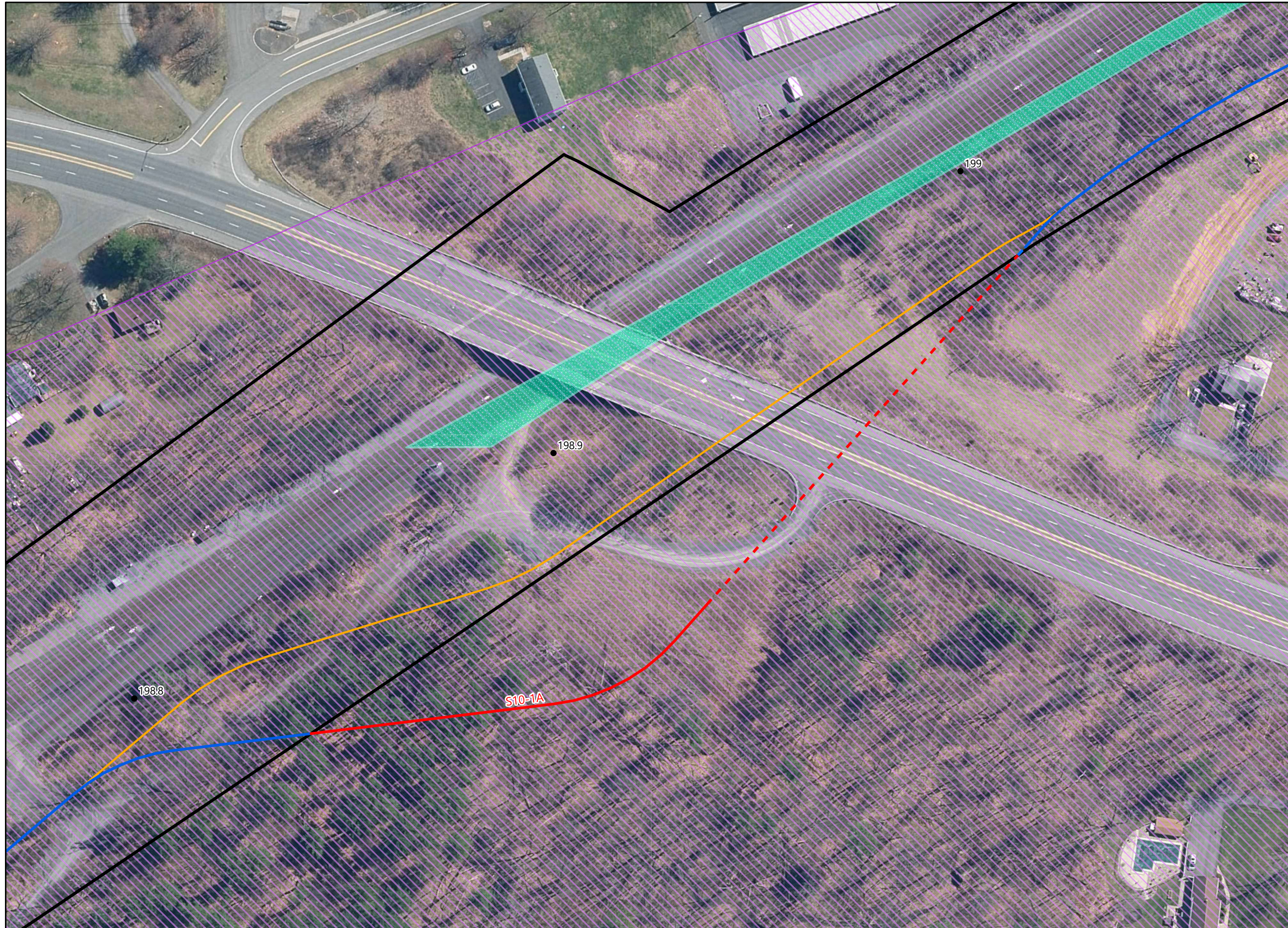
Appendix E. Segment 10 Alignment Excursions

CHPE EM&CP

Schenectady and Albany County,
New York

Deviation Zone Analysis

- Mile Post
- Segment 10 Trench Excursion
- - Segment 10 HDD Excursion
- - Segment 10 HDD
- - Segment 10 Trench
- - Segment 10 Trench (Previous Alignment)
- Delineated Wetlands
- ESA 4
- Deviation Zone



Prepared February 6, 2024
Basemap: Esri "World Imagery" map service



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

Segment 10 (Package 6)
EM&CP Appendix J Memo

DESIGN MEMORANDUM

To: Mr. Jason Neff, PE **From:** Shrey Arora, PE

Company: Kiewit Engineering (NY) Corporation **CC:** Todd Kilduff, PE; Nathaniel White, EI
 Champlain Hudson Power Express, Seg. 10,

Project: Package 6 **Date:** 2.13.2024

Location: Albany County, NY **RE:** NDC-0054 HDD 91 Design Revisions

Reviewed For Review For Approval Information Only Revise & Resubmit

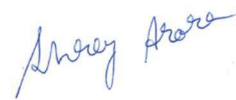
At Kiewit Engineering’s (Kiewit) request, HDD 91 was modified to accommodate a new bridge abutment on US Route 9W. The alignment was shifted approximately 60 feet to the west to allow for a minimum 100 foot offset between conduit 2 and the closest proposed point of the abutment.

The discussion and considerations found in the Inadvertent Release Contingency Plan for Horizontal Direction Drilling in Segment 10 – Package 6 Report remain unchanged as no significant impacts were made on the ground cover or elevations of the HDD profile.


Should new and relevant data be provided, or existing data changed, we request that this be shared with our office to examine the influence on our design recommendations. We appreciate the opportunity to support you on this aspect of the Champlain Hudson Power Express Project.

Sincerely,

KILDUFF UNDERGROUND ENGINEERING, INC.


 Shrey Arora, PE
 Project Engineer


 Nathaniel White, EI
 Staff Engineer


 Todd Kilduff, PE
 Principal Engineer

