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March 5, 2024

Hon. Michelle Phillips, Secretary
NYS Public Service Commission
Three Empire State Plaza
Albany, NY 12223-1350

Re: Case 10-T-0139: Application of Champlain Hudson Power Express

Dear Secretary Phillips:

Enclosed for filing on the above proceeding, on behalf of CHPE LLC and CHPE Properties, Inc. (together "CHPE" or the "Certificate Holders"), please find a Change Notice proposed to the Segment 12 Environmental Management and Construction Plan (EM&CP).

Please feel free to reach out to my office with any questions regarding this filing.

Sincerely,

/s/ **Laura Bomyea Darling**
Laura Bomyea Darling, Esq.
Young/Sommer LLC
Attorneys for CHPE

Enclosures



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: 12

Notice Number: 054

PSC Case: 10-T-0139

USACE Permit Number: NAN-2009-01089-M9

Location (Milepost, Town/County): Town of Stony Point, Village of West Haverstraw, Village of Haverstraw & Town of Clarkstown in Rockland County, NY

Drawing References: Segment 12 - Appendix C (see "Description of Change" for full affected sheet summary)

Other Documents/References: N/A

Component(s) Impacted by Change: Segment 12 – Appendix C and Appendix E (see "Description of Change" for full affected sheet summary)

Description of Change:

- A. Shifting of SV-245A:** This change involves a shift in the location of a vault, which results in portions of the alignment falling outside of the deviation zone in Segment 12. This change is intended to minimize impacts to an active business and maintain safety during construction. Coordination with this business owner revealed the need for additional space to ensure the business could maintain its access, parking, and other operational needs in close proximity to an active construction area, which proved to be more difficult than originally anticipated when developing the plans previously approved in the Segment 12 EM&CP. Having reviewed several alternatives with the owner of Liberty Beer (property of DC5855 LLC/; TM#15.19-2-67) to install splice vault # 245A in front of its business, it was determined that shifting the vault approximately 300ft south in front of Stony Point Fire District Wayne Hose Co. No.1 Station 1 building (property of Board of Fire District; TM# 15.19-2-76) was a more viable option. The Fire House has recently built a new garage facility for its fire trucks at the rear of the property and installing the vault at the proposed location would not impede its accessibility, operation, and emergency response. This property also offers sufficient room to install the vault without encroaching adjacent properties; and thus, minimizing disturbances to adjacent businesses and traffic.

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 a vault on a different parcel 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 165 feet in length, extending to a maximum distance outside the deviation zone of 35.25 feet), and is submitted as a change to the approved EM&CP and Facility route under Certificate Condition 158.

This change would also require updating Deviation Zone Excursion # S12-3 of Table 1 of EM&CP "Appendix E Justification for Deviation Zone Excursions in Segment 12" to as below:

Excursion	Parcel ID	Location (Approximate – see Drawings for Details)				Justification for Revision	Environmental Impact Reviewed
		Sheet	Mile Point	Station Start	Station End		
S12-3	15.19-2-76	C-103	1.46	72541+41	72541+41	Splice Vault 245A	Cultural Resources; ESA 1; Wetlands; Terrestrial Ecology

Excursion #S12-3

1. Description of the Excursion

Excursion #S12-3 is located within the Town of Stony Point along the west side of North Liberty Drive (Route 9W) at the south-west corner of the intersections with Summit Avenue and Liberty Drive within the property of Fire House beginning near Station 72540+65 and extending to Station 72542+30 (see Sheet C-103 of Plan and Profile Drawings, Appendix C of the EM&CP). The route and associated work have been shifted outside of the road ROW into a paved parking lot and grass area within a predominantly residential and commercial landscape. Overall, the impacts to most resources from this shift are largely unchanged, except that this proposed change reduces impacts to a local business during construction.

2. Justification

Splice Vault 245A has been shifted to avoid disrupting regular business operation of Liberty Beer where the vault was originally proposed to be installed, and additional workspace on the Fire House property around the new splice vault location is needed to facilitate that work. This area is immediately adjacent to the edge of the ADZ (Allowed Deviation Zone) within a paved parking lot and green space. The use of this area outside the ADZ will also aid Certificate Holders in minimizing impacts to traffic during this splice vault, by keeping the work area outside of North Liberty Drive (Route 9W). 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 excursion occurs immediately adjacent to the ADZ. 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.

Cultural Resources- Hartgen Archeological Associates, Inc. (Hartgen) has performed a desktop study of the area of impact and recommends that the structure at Stony Point Fire District Wayne Hose Co. No. 1 at Splice Vault 254A is not eligible for National Register due to its recent upgrades (additions and replacements of windows). NYS SHPO has been asked to concur with the recommendations. The response letter from NYS SHPO will be forwarded to NYS DPS upon receipt.

Recreation- There are no parks or recreational land uses identified in the vicinity of this excursion; therefore, no impacts to recreation are anticipated as a result of the shifted route.

Terrestrial Ecology - The shifting of the route at this excursion area will not result in additional impacts to terrestrial ecology. The route is shifted into a parking lot within a predominantly residential and commercial landscape that is not anticipated to provide wildlife habitat. A few select trees and shrubs may need to be cleared at this location, which is consistent with work along this Segment.

Threatened and Endangered Species- According to information provided by NYSDEC, portions of the ADZ were mapped approximately 0.8 mile from a previously documented bald eagle nest location, including the area of Excursion #512-3. No blasting or other extremely loud noises are proposed at this excursion area; therefore, no adverse impacts to bald eagles are anticipated and no time of year restrictions are applicable for construction of this excursion. Additional avoidance and minimization measures related to bald eagles are provided in Section 9.3 of the EM&CP.

Affected documents are:

- Appendix C, Sheets G-007, C-103, C-104, C-402, C-1003, O-703 and O-801
- EM&CP Appendix E- Justification for Deviation Zone Excursions in Segment 12 Table 1.

B. Realignment to avoid Veolia water main along Park Road: A recently installed 8-inch water main in Fall of 2023 by Veolia has necessitated shifting CHPE alignment along Park Road from ~Sta. 72507+50 to ~sta. 72514+50 to avoid any utility conflict. This change has affected four adjacent privately owned properties (Peter McHugh TM# 15.04-3-19, George Schumacher TM# 15.04-3-20, Gretchen Pasternack TM# 15.04-3-21, and Gretchen Pasternack TM# 15.04-3-22) which are now impacted by the change.

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 involve a State Highway or relate to contested issues decided during the proceeding. However, as noted above, this change involves shifting a small portion of the alignment outside of the deviation zone (approximately 470 feet in length, extending to a maximum distance outside the deviation zone of 19.5 feet) onto four additional private properties, and is submitted as a change to the approved EM&CP and Facility route under Certificate Condition 158.

This change would also require adding another excursion to the Deviation Zone Table 1 of EM&CP "Appendix E Justification for Deviation Zone Excursions in Segment 12" as below:

Excursion	Parcel ID	Location (Approximate – see Drawings for Details)				Justification for Revision	Environmental Impact Reviewed
		Sheet	Mile Point	Station Start	Station End		
S12-1A	15.04-3-19	C-101	0.84	72507+80	72509+82	Realignment to avoid new water main	Cultural Resources; Recreation; Terrestrial Ecology; ESA 1
	15.04-3-20	C-101	0.91	72509+82	72511+35		
	15.04-3-21	C-101	0.93	72511+35	72512+35		
	15.04-3-22	C-101	0.98	72512+35	72514+90		

Excursion #S12-1A

1. Description of the Excursion

Excursion S12-1A is located just south-west of the Battlefield Road in the Town of Stony Point, Rockland County, New York, beginning near Station 72509+80 and extending to Station 72514+50 (see attached Figure 1A and Profile Drawings [Sheet C-101, Appendix C of the EM&CP]). S12-1A is predominately located on a property classified by New York State Office of Real Property Tax Services (NYS ORPTS) as vacant land and residential use.

2. Justification

This change is necessary to avoid a conflict with a newly installed 8-inch water main by Veolia Water Company along Park Road where the CHPE alignment was approved to be installed in the Segment 12 EM&CP Order (August 18, 2023, DMM Item 1339). Because of the subsequent installation by Veolia in the Fall of 2023, it was necessary to realign approximately 700 feet of trench alignment away from Park Road pavement. Presence of other utilities also precluded keeping the alignment within the roadway pavement. The use of this area outside the ADZ will aid Certificate Holders in minimizing impacts to traffic during this trenching operation by keeping the work area outside of Park Road and minimizing conflicts with collocated utilities. Park Road is not a New York State Highway.

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 involve a State Highway or relate to contested issues decided during the proceeding. However, as noted above, this change involves shifting a small portion of the alignment outside of the deviation zone (approximately 700 feet in length, extending to a maximum distance outside the deviation zone of 19.5 feet), and is submitted as a change to the approved EM&CP and Facility route under Certificate Condition 158. This ADZ Excursion request is grounded in engineering reasons and is the minimum necessary to feasibly achieve the installation.

3. Environmental Impact

The proposed excursion involves 700 linear feet of the alignment now outside of the ADZ. 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.

Cultural Resources - There are no historic sites or archaeological resources identified in the vicinity of this excursion; therefore, no impacts to cultural resources are anticipated as a result of the shifted route.

Recreation - There are no parks or recreational land uses identified in the vicinity of this excursion; therefore, no impacts to recreation are anticipated as a result of the shifted route. Please refer to Section 7.2 of the EM&CP for additional information regarding recreation areas in Segment 12.

Terrestrial Ecology - The extension of the cable alignment will not result in significant impacts to terrestrial ecology. The ADZ was limited to adjacent to the road ROW of Park Road. The proposed work now extends into approximately 0.83 acre of forested area which will require selective tree and shrub clearing to facilitate construction. Tree and vegetation removal will be limited to the minimum necessary to construct the Facility.

Wetlands and Streams - The New York State Department of Environmental Conservation maps a wetland approximately 35 feet from Excursion #S12-1A at its closest point. In 2024, wetland and stream delineations were performed by CHA Consulting, Inc. The boundaries of the state mapped wetland, and 100-ft regulated adjacent area were confirmed in the vicinity of Excursion #S12-1A. This wetland is also federally regulated. No disturbance will occur within the delineated wetland and no other State or federally regulated wetlands were identified along this excursion. Excursion S12-1A occurs within the 100-ft regulated adjacent area for approximately 170 linear feet. In addition, approximately 0.5 acre of the regulated adjacent area will be temporarily disturbed during construction. Best management practices and applicable certificate conditions for construction within the regulated adjacent area will be

implemented and erosion and sediment controls will avoid and minimize any impact to the wetland adjacent to this area.

Threatened and Endangered Species- According to information provided by NYSDEC, portions of the ADZ were mapped within 0.5 mile from a previously documented bald eagle nest location, including the area of Excursion #S12-1A. No blasting or other extremely loud noises are proposed at this excursion area; therefore, no adverse impacts to bald eagles are anticipated and no time of year restrictions are applicable for construction of this excursion. Additional avoidance and minimization measures related to bald eagles are provided in Section 9.3 of the EM&CP.

Affected documents are:

- Appendix C, Sheets C-101, C-102, C-401, C-1002, O-601 and O-602.
- EM&CP Appendix E- Justification for Deviation Zone Excursions in Segment 12 Table 1.

- C. Elimination of Jack & Bore:** To avoid disturbing a previously assumed historic wall, jack & bore method was proposed to install the CHPE conduits under the retaining wall at approx., sta. 72609+25 in front of Helen Hayes Hospital. After further investigations, the New York State Parks, Recreation & Historic Preservation office indicated that the existing wall of Helen Hayes Hospital along Rt 9W is not eligible for National Register as a historic structure due to recent modifications and demolition of a historic structures in the vicinity. To minimize potential disruptions caused by the jack and bore operation both to traffic and the hospital, CHPE conduits will be installed using trenching method through the retaining wall. The wall will be restored in kind. Concurrence from the office of the Helen Hayes Hospital was received via email dated October 6, 2023 for this change.

This change also necessitated a minor adjustment to the horizontal alignment that avoided the trench encroaching multiple travel lanes of Route 9W between Sta. 72607+00 and 72608+50. As a result, temporary pavement proposed to maintain traffic on the north bound lane of Rt 9W will no longer be required as reflected on sheet O-708.

Due to the elimination of the jack and bore operation, plan sheet C-350 has been removed and other plans sheets that included the jack & bore operations have been updated accordingly.

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 affects the means and methods used for installing under a retaining wall, and does not materially alter the overall impacts to the State Highway. CHPE's approved Highway Work Permit for Segment 12 currently reflect the installation method to be used under this Change Notice. This change does not involve a change in the approved Facility route and is submitted as a minor change to the approved EM&CP under Certificate Condition 158(b).

This change would also require updating Deviation Zone Excursion # S12-6 of Table 1 of EM&CP "Appendix E Justification for Deviation Zone Excursions in Segment 12" and its Justification below:

Excursion	Parcel ID	Location (Approximate – see Drawings for Details)				Justification for Revision	Environmental Impact Reviewed
		Sheet	Mile Point	Station Start	Station End		
S12-6	20.15-3-1 20.19-1-1 20.19-1-4 20.19-1-3	C-108	2.7-2.9	72609+00	72619+00	Trench Work Area; Avoidance of subsurface utilities	Cultural Resources; ESA 1; Wetlands; Terrestrial Ecology

Excursion #S12-6

2. Justification

Additional space is needed for trench installation and work areas and to avoid subsurface utilities within the roadway ROW. The revised excursion is ~950 linear feet compared to the previously approved ~1,000 linear feet excursion immediately adjacent to the western edge of the ADZ within landscaped roadside and a paved parking lot. The use of this area outside the ADZ will also aid Certificate Holders in minimizing impacts to traffic during this HDD installation, by keeping the work area outside of Route 9W. This ADZ Excursion request is grounded in engineering reasons and is the minimum necessary to feasibly achieve the installation.

Affected documents are:

- Appendix C, Sheets G-001, C-108, C-202, C-327, C-327.2, O-708 and O-708A.
- EM&CP Appendix E- Justification for Deviation Zone Excursions in Segment 12 Table 1.

- D. Changes to Limit of Work (LOW):** To optimize the Facility alignment, small limit of work (LOW) encroachments into two separate properties were eliminated. The properties from which the LOW easements were removed include Town of Stony Point TM# 20.06-1-37.1 on sheet C-104 (~80 sf) and HBD Holding LLC TM# 20.19-4-15 on plan sheet C-109 (~100 sf). The LOW line within the adjacent property of Luigi Savone TM # 20.19-4-16 on sheet C-109 (~465 sf) was adjusted to optimize use of available space for construction.

This change is a reduction in impacts to the two identified properties, and does not materially increase or alter the Facility's environmental impacts, does not relate to contested issues in this proceeding, does not impact a State Highway, and does not alter the approved Facility route. On that basis, this change is submitted as minor under Condition 158(b).

Affected documents are:

- Appendix C, Sheets C-104, C-109 and C-201.

- E. Changes directed by New York State Department of Transportation (NYSDOT) Region 8:** As part of application for securing a NYSDOT Highway Work Permit, several plan sheets were updated to address comments received from NYSDOT Region 8. The following changes were made to respective plans sheets:
- Added a new sheet (G-000.1) with a Maintenance and Jurisdiction Table illustrating responsibilities of all facilities between respective owners.
 - Added specific NYSDOT Traffic Control notes on sheet G-004.
 - Labeled Equipment Staging areas on sheet C-112 and C-125 along Rt 9W for clarity.
 - Added two plan sheets (C-129 and C-130) providing details how splice vault no. 249A will be installed along with concrete barrier, attenuators, utility relocation and drainage details.

- Adjusted filter socks at splice vault and work areas as part of Erosion and Sediment Control Plans.
- Pavement striping and markings were adjusted on the Pavement Marking Plans.
- Pavement and surface restoration details have been revised and a drainage window detail has been added (Sht. C-621 and C-631)
- Added MUTCD (Manual on Uniform Traffic Control Devices) Sign numbers to all WZTC (Work Zone Traffic Control) Plan sheets (O-series plans).
- Type of protective vehicles in the work zones have been revised based on latest NYSDOT design standards updates.
- WZTC set up and temporary pavement striping have been revised at the Main St & Liberty Ave Intersection (O-608), Railroad Ave and Rt 9W (Sht. O-709 & O-710) and exit pits of HDD-132 (Sht. O-718).
- Width of approach slab replacement on both ends of James Farley Bridge has been reduced to one lane width only. Details and notes have been updated accordingly on sheets S-793 to S-796.
- A note has been added to the Traffic camera plan (Sht. T-115).

Affected documents are:

- Appendix C, Sheets G-000.1, G-001, G-004, C-112, C-118, , C-125, C-129, C-130, C-621, C-631, C-1003, C-1007, C-1013, S-793, S-794, S-795, S-796, O-601 THRU O-639, O-701, THRU O-712, O-714 to O-725, O-801 THRU O-804, C-401, C-402, C-403, C-404, C-405, C-406, C-407, C-408, C-409, C-413, C-551, C-561, C-563, C-601, C-602, and T-115.

F. Miscellaneous Changes: The following additional changes have been incorporated to various plan sheets:

- Notes from Orange and Rockland (Gas & Electric) added to sheet G-004.
- Location of additional soil borings have been added (Shts. C-101, C-103, C-106, C-107, C-109, C-112, C-118, C-124, & C-125).
- As part of project wide cable length optimization, link boxes inside splice vaults have been revised (Shts. G-007, C-106 & C-107).
- Due to change in alignment as noted above, "Station Equations" have been added to the alignment stationing to minimize revising plan sheets not impacted by any changes (Shts. C-102, C-104 & C-108).
- Consistent with NYSDEP request to install reinforced ductbank over all DEP regulated stream crossings to facilitate future improvement at those facilities, similar note has been added to all drainage crossings throughout this segment (Shts. C-101, C-103, C-104, C-107, C-108, & C-115).
- Gravel hatching has been added to the temporary access roads and HDD work area (Shts. C-107, C-108 & C-202)
- Supplementary topographical survey information has been incorporated to the plans (Shts. C-102 & C-104).
- Trench profile has been updated using new sub-surface utility test pit information (Sht. C-118).

Affected documents are:

- Appendix C, Sheets G-004, G-007, C-101, C-102, C-103, C-104, C-106, C-107, C-108, C-109, C-112, C-115, C-118, C-124, & C-125, & C-202.

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 based on the New York State Cultural Resource Information System (CRIS).</p> <p>(ii) This change does not result in an increased impact to any state or federal-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 based on NYSDEC Environmental Resource Mapper desktop analysis conducted on 01/22/2024.</p> <p>(iv) This change does not affect individual species or habitat supporting RTE plants based on NYSDEC Environmental Resource Mapper desktop analysis conducted on 01/22/2024.</p> <p>(v) The change does not involve Agricultural Land according to agricultural data provided by the Department of Agriculture and Markets.</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.
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	N/A



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	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.	
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:

Revised Appendix C Plans and Appendix E Excursion Exhibits

Signoff by: CHPE Overland Team

Date: 03/05/2024

Approvals

Position	Name	Signature	Date
Segment Engineer:	<u>Benjamin Miller</u>		<u>02/29/2024</u>
Segment Manager:	<u>Mark Harrison</u>		<u>03/01/2024</u>
CHPE, LLC Approval:	<u>Paul Weske</u>		<u>03/04/2024</u>
Transmitted to DPS by:	<u>Laura Darling</u>		<u>03/05/2024</u>
DPS Approval By:	_____	_____	_____
Transmitted to ACOE by:	_____	_____	_____



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

Summary of Revisions (Appendix C Plans)

Change Notice 054 - Summary of Revisions (Appendix C Plans)

Revised Plan Sheet No.	Rev	Revision Description
G-000.1	1	Added new sheet - Maintenance and Jurisdiction Table
G-001	1	Removed sheet C-350 and added sheets G-000.1 and C-130
G-004	1	Revised note 20 and added note 21
G-007	1	Updated structure table
C-101	1	Updated Park Road alignment and reinforced ductbank label
C-102	1	Added station equation and new survey
C-103	1	Updated SV-245A location, alignment, and reinforced ductbank label
C-104	1	Added station equation & new survey, updated workspace (Removed easement encroachment) and ductbank label
C-106	1	Removed link box
C-107	1	Added gravel hatch to HDD pullback, added link box, update reinforced ductbank label
C-108	1	Added station equation and gravel hatch to HDD area, removed bore, update reinforced ductbank label
C-109	1	Revised the LOW on HBD Property
C-112	1	Added equipment staging area label
C-115	1	Update reinforced ductbank label
C-118	1	Update profile based on new test pit data & barrier details
C-124	1	Deleted reductant lines, added soil boring location.
C-125	1	Added equipment staging area label
C-129	1	Updated barrier layout, updated attenuator Item Number
C-130	1	Added new sheet for pipe extension collar detail and concrete barrier to wall transition detail
C-201	1	Updated LOW under JFB
C-202	1	Added gravel hatch to HDD and pullback areas. Removed Bore
C-327	1	Centerline Alignment Update
C-327.2	1	Centerline Alignment Update
C-621	1	Added "3' min" note. Added top soil and turf establishment NYSDOT item numbers
C-631	1	Replaced HMA with WMA. Adjust details 5 and 6. Repaced detail 7 with Drainage Window Detail
C-1002	1	Update sections based on alignment change
C-1003	1	Update sections based on alignment change and updated catch basin depths
C-1007	1	Removed small sections of pavement by edge of pavement
C-1013	1	Removed small sections of pavement by edge of pavement
S-793	1	Note for GPR added, revised annotations to provide more information.
S-794	1	Revised annotations to provide more information.
S-795	1	Added more details to explicitly describe the approach slab replacement.
S-796	1	Added more details to explicitly describe the approach slab replacement.
O-601 THRU O-639	1	Added MUTCD sign ID's to each sign
O-601	1	Updated workzone hatch due to alignment change
O-602	1	Updated workzone hatch due to alignment change
O-608	1	Revised pavement striping and signing per DOT comments
O-622	1	Added a detour for Fairmount Ave via New Main St
O-623	1	Modified channelling devices to keep Fairmount Ave open
O-632	1	Added typical section for work zone detail
O-636	1	Added typical section for work zone detail
O-701 THRU O-712, 714 to 725	1	Added MUTCD sign ID's to each sign
O-703	1	Updated Location/workzone for Splice Vault 245A
O-708 Thru O-708A	1	Updated Workzone detail due to removal of jack and bore & alignment change

Change Notice 054 - Summary of Revisions (Appendix C Plans)

Revised Plan Sheet No.	Rev	Revision Description
O-710	1	Added callout for removing existing conflicting pavement markings
O-714	1	Added channelizing devices to warn drivers of the work zone
O-716	1	Added channelizing devices and TMIA truck to better protect workzone
O-717	1	Added channelizing devices to warn drivers of the work zone
O-718	1	Update workzone detail to Follow NYSDOT Standard Sheet 619-422
O-719	1	Added Channelizing devices to warn drivers of the work zone
O-721	1	"Work Zone Ahead" sign now showing
O-801 THRU O-804	1	Added MUTCD sign ID's to each sign
C-401	1	Adjusted filter sock for updated Park Rd alignment and Splice 245
C-402	1	Adjusted filter sock for Splice 245A
C-403	1	Added filter sock around work area
C-404	1	Added filter sock around Splice 246A
C-405	1	Added filter sock around Splice 247
C-406	1	Added filter sock around work area
C-407	1	Added filter sock around work area
C-408	1	Adjusted filter sock around Splice 248A
C-409	1	Adjusted filter sock around Splice 249A
C-413	1	Adjusted filter sock around Splice 251A
C-551	1	Added note for pavement striping and marking inventory
C-561	1	Adjusted pavement striping
C-563	1	Adjusted pavement striping
C-601	1	Updated Inlet Protection Detail
C-602	1	Updated Inlet Protection Detail
T-115	1	Added note no. 3.



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

General Sheets

NYS DOT MAINTENANCE OF JURISDICTION TABLE									
HIGHWAY	STATION LIMITS	NYS DOT REFERENCE POINT	FEATURES TO BE MAINTAINED	OWNER	MAINTENANCE AGENCY	AUTHORITY FOR MAINTENANCE JURISDICTIONS			
STATE ROUTE 9W	STA. 72515+50 TO STA. 72526+50	215 FT NORTH OF RP#9W85011190 TO 150 FT NORTH OF RP#9W85011188	CONCRETE ENCASED DUCTBANK WITH 400 KV POWER AND FIBER OPTIC CABLES	CHPE	CHPE	SECTION 52 HIGHWAY LAW			
STATE ROUTE 9W	STA. 72528+50 TO STA. 72541+25	30 FT SOUTH OF RP#9W85011188 TO 260 FT SOUTH OF RP#9W85011186							
STATE ROUTE 9W	STA. 72543+75 TO STA. 72558+25	40 FT NORTH OF RP#9W85011185 TO 160 FT NORTH OF RP#9W85011182							
STATE ROUTE 9W	STA. 72561+25 TO STA. 72581+00	130 FT SOUTH OF RP#9W85011182 TO 20 FT SOUTH OF RP#9W85011178							
STATE ROUTE 9W	STA. 72585+25 TO STA. 72599+75	70 FT NORTH OF RP#9W85011177 TO 210 FT NORTH OF RP#9W85011174							
STATE ROUTE 9W	STA. 72601+00 TO STA. 72609+50	90 FT NORTH OF RP#9W85011174 TO 225 FT SOUTH OF RP#9W85011173							
STATE ROUTE 9W	STA. 72617+00 TO STA. 72630+50	90 FT NORTH OF RP#9W85011171 TO 200 FT SOUTH OF RP#9W85011169							
STATE ROUTE 9W	STA. 72637+50 TO STA. 72652+25	150 FT NORTH OF RP#9W85011167 TO 250 FT NORTH OF RP#9W85011164							
STATE ROUTE 9W	STA. 72655+50 TO STA. 72676+00	60 FT SOUTH OF RP#9W85011164 TO 20 FT NORTH OF RP#9W85011160							
STATE ROUTE 9W	STA. 72679+50 TO STA. 72711+00	200 FT NORTH OF RP#9W85011159 TO 210 FT NORTH OF RP#9W85011153							
STATE ROUTE 9W	STA. 72713+75 TO STA. 72729+00	40 FT SOUTH OF RP#9W85011153 TO 15 FT NORTH OF RP#9W85011150							
STATE ROUTE 9W	STA. 72731+00 TO STA. 72765+25	180 FT SOUTH OF RP#9W85011150 TO 90 FT NORTH OF RP#9W85011143							
STATE ROUTE 9W	STA. 72767+75 TO STA. 72897+75	150 FT SOUTH OF RP#9W85011143 TO 50 FT SOUTH OF RP#9W85011118							
ROUTE 9W, ROUTE 202, SH 8049A BIN 1007140 ROUTE 9W OVER CEDAR POND BROOK	STA. 72549+00 TO STA. 72553+25	40 FT NORTH OF RP#9W85011184 TO 140 FT NORTH OF RP#9W85011183					SIDEWALK SNOW REMOVAL	NYS DOT	TOWN OF STONY POINT
			ALL OTHER BRIDGE FEATURES INCLUDING SIDEWALKS, PAVEMENT & PAVEMENT SNOW REMOVAL	NYS DOT	NYS DOT	SECTION 233 HIGHWAY LAW			
STATE ROUTE 9W	STA. 72600+80	120 FT NORTH OF RP#9W85011174	400 KV POWER AND ASSOCIATED FIBER OPTIC CABLES ATTACHED TO BRIDGE SUPERSTRUCTURE INCLUDING VENTILATED HAT, VENTILATED CABLE TRAY, STRAIGHT SOCKET JOINTS FOR HVDC AND FIBER OPTIC CABLES, EXPANSION JOINTS, FIBERGLASS RTR SPLIT STOPS, U-BOLTS AND FASTENERS, VENTILATED HAT, VENTILATED CABLE TRAY, CHAMPION STRAIGHT SOCKET JOINTS,	CHPE	CHPE	SECTION 52 HIGHWAY LAW			
			UTILITY SPLICE VAULT, SV-246A	CHPE	CHPE	SECTION 52 HIGHWAY LAW			
			UTILITY SPLICE VAULT, SV-248						
			UTILITY SPLICE VAULT, SV-249						
			UTILITY SPLICE VAULT, SV-249A						
			UTILITY SPLICE VAULT, SV-250						
			UTILITY SPLICE VAULT, SV-250A						
			UTILITY SPLICE VAULT, SV-251						
			UTILITY SPLICE VAULT, SV-251A						
			STATE ROUTE 9W				STA. 72515+35 TO STA. 72897+30	225 FT NORTH OF RP#9W85011190 TO 10 FT SOUTH OF RP#9W85011118	TRAFFIC CAMERAS AT THE INTERSECTIONS OF RT 9W AND WEST MAIN STREET, CENTRAL DRIVE, FILORS LANE, HOLT DRIVE, RAILROAD AVENUE, HILLSIDE AVENUE, WESTSIDE AVENUE, NEW MAIN STREET, SHORT CLOVE ROAD (TO ROVERSIDE RD), SHORT CLOVE ROAD (TO HAVERSTRAW RD), ROUTE 304, AND ROUTE 303.
STATE ROUTE 9W	STA. 72530+75 TO STA. 72604+50	245 FT SOUTH OF RP#9W85011188 TO 225 FT SOUTH OF RP#9W85011174	SIDEWALKS				NYS DOT	TOWN OF STONY POINT	SECTION 140 HIGHWAY LAW
STATE ROUTE 9W	STA. 72604+50 TO STA. 72643+00	225 FT SOUTH OF RP#9W85011174 TO 145 FT NORTH OF RP#9W85011166	SIDEWALKS	NYS DOT	VILLAGE OF WEST HAVERSTRAW	SECTION 46 HIGHWAY LAW			
STATE ROUTE 9W	STA. 72643+00 TO STA. 72722+00	145 FT NORTH OF RP#9W85011166 TO 195 FT NORTH OF RP#9W85011151	SIDEWALKS	NYS DOT	VILLAGE OF HAVERSTRAW	SECTION 46 HIGHWAY LAW			

COORDINATION AND PROCEDURAL RESPONSIBILITIES		
ACTIVITY	RESPONSIBLE PARTY	ACTION
ROUTINE MAINTENANCE • BRIDGE WASHING • BRIDGE TOP SIDE REPAIRS • ROADWAY IR PAVING • ROADWAY STRIPING	NYS DOT	NONE
	CHPE	NONE
INSPECTION AND REPAIRS • BRIDGE INSPECTION • BRIDGE MAINTENANCE REPAIRS	NYS DOT	PROVIDE 10-DAY NOTICE TO CHPE FOR WORK ACTIVITIES TO BE PERFORMED IN CLOSE PROXIMITY TO ANY CHPE FACILITIES.
	CHPE	THROUGH CALL 811 UDIG NY, CHPE WILL PROVIDE A REPRESENTATIVE TO BE PRESENT DURING BRIDGE INSPECTION ACTIVITIES TO BE PERFORMED IN CLOSE PROXIMITY TO ANY CHPE FACILITIES.
3RD PARTY PERMIT WORK • ROADWAY WORK PERFORMED UNDER HIGHWAY WORK PERMIT	NYS DOT	NONE
	CHPE	THROUGH CALL 811 UDIG NY, CHPE WILL PROVIDE A REPRESENTATIVE TO BE PRESENT DURING BRIDGE INSPECTION ACTIVITIES OR ROADWAY ACTIVITIES TO BE PERFORMED IN CLOSE PROXIMITY TO ANY CHPE FACILITIES.
CAPITAL PROJECTS • BRIDGE PAINTING • BRIDGE MAINTENANCE BY CONTRACT (MBC) • BRIDGE DECK REPLACEMENT • SUPERSTRUCTURE STEEL REPAIRS • BRIDGE REPLACEMENT • ROADWAY RECONSTRUCTION	NYS DOT	CONTACT CHPE DURING PRELIMINARY DESIGN AND COORDINATE WITH CHPE TO COMPLETE HC-140 (UTILITY WORK AGREEMENT)
	CHPE	COORDINATE WITH NYSDOT TO COMPLETE HC 140 (UTILITY WORK AGREEMENT). INCLUDE REQUIREMENTS AS PER CHPE MAINTENANCE OPERATIONS MANUAL.
EMERGENCY WORK • BRIDGE OR ROADWAY WORK	NYS DOT	CONTACT CHPE IMMEDIATELY.
	CHPE	RESPOND IMMEDIATELY, SUPPLY AN ON-SITE REPRESENTATIVE.

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

PROJECT NO.: 21162	PROJECT NO.: 204-3701	ALTERED ON:	AFFIXED ON:
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FOR INFORMATION

0	12/22/2023	NDC-0030: ISSUED FOR CONSTRUCTION SUBMISSION	RB	JL
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
NYS DOT MAINTENANCE OF JURISDICTION TABLE

DRAWN BY: RB DESIGNED BY: AC APPROVED BY: JL SCALE: AS SHOWN DATE: 12/22/2023

PERMIT DRAWING NO.	N/A
DRAWING NO.	G-000.1

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
PACKAGE 7B: GENERAL SHEETS	
G-000	COVER SHEET
G-000.1	NYS DOT MAINTENANCE OF JURISDICTION TABLE
G-001	SHEET INDEX - SHEET 1 OF 2
G-002	SHEET INDEX - SHEET 2 OF 2
G-003	GENERAL NOTES
G-004	PACKAGE SPECIFIC NOTES
G-005	LEGEND & ABBREVIATIONS
G-006	PLAN AND PROFILE KEY MAP
G-007	SPLICE, LINK BOX, AND FIBER OPTIC HANDHOLE LOCATION TABLES
G-010	EM&CP DATA TABLES - SHEET 1 OF 4
G-011	EM&CP DATA TABLES - SHEET 2 OF 4
G-012	EM&CP DATA TABLES - SHEET 3 OF 4
G-013	EM&CP DATA TABLES - SHEET 4 OF 4
G-020	RESTORATION NOTES
PACKAGE 7B: PLAN AND PROFILE SHEETS	
C-100	STA. 72495+32.00 TO STA. 72500+00.00 PLAN AND PROFILE
C-101	STA. 72500+00.00 TO STA. 72515+00.00 PLAN AND PROFILE
C-102	STA. 72515+00.00 TO STA. 72530+00.00 PLAN AND PROFILE
C-103	STA. 72530+00.00 TO STA. 72545+00.00 PLAN AND PROFILE
C-104	STA. 72545+00.00 TO STA. 72560+50.00 PLAN AND PROFILE
C-105	STA. 72560+50.00 TO STA. 72575+00.00 PLAN AND PROFILE
C-106	STA. 72575+00.00 TO STA. 72590+00.00 PLAN AND PROFILE
C-107	STA. 72590+00.00 TO STA. 72605+00.00 PLAN AND PROFILE
C-108	STA. 72605+00.00 TO STA. 72620+00.00 PLAN AND PROFILE
C-109	STA. 72620+00.00 TO STA. 72635+00.00 PLAN AND PROFILE
C-110	STA. 72635+00.00 TO STA. 72650+00.00 PLAN AND PROFILE
C-111	STA. 72650+00.00 TO STA. 72665+00.00 PLAN AND PROFILE
C-112	STA. 72665+00.00 TO STA. 72680+00.00 PLAN AND PROFILE
C-113	STA. 72680+00.00 TO STA. 72695+00.00 PLAN AND PROFILE
C-114	STA. 72695+00.00 TO STA. 72710+00.00 PLAN AND PROFILE
C-115	STA. 72710+00.00 TO STA. 72725+00.00 PLAN AND PROFILE
C-116	STA. 72725+00.00 TO STA. 72740+00.00 PLAN AND PROFILE
C-117	STA. 72740+00.00 TO STA. 72755+00.00 PLAN AND PROFILE
C-118	STA. 72755+00.00 TO STA. 72770+00.00 PLAN AND PROFILE
C-119	STA. 72770+00.00 TO STA. 72784+50.00 PLAN AND PROFILE
C-120	STA. 72784+50.00 TO STA. 72800+00.00 PLAN AND PROFILE
C-121	STA. 72800+00.00 TO STA. 72815+00.00 PLAN AND PROFILE
C-122	STA. 72815+00.00 TO STA. 72830+00.00 PLAN AND PROFILE
C-123	STA. 72830+00.00 TO STA. 72845+00.00 PLAN AND PROFILE
C-124	STA. 72845+00.00 TO STA. 72860+00.00 PLAN AND PROFILE
C-125	STA. 72860+00.00 TO STA. 72875+00.00 PLAN AND PROFILE
C-126	STA. 72875+00.00 TO STA. 72890+00.00 PLAN AND PROFILE
C-127	STA. 72890+00.00 TO STA. 72899+07.95 PLAN AND PROFILE
PACKAGE 7B: CONCRETE BARRIER EXHIBITS	
C-129	RTE 9W AND SHORT CLOVE RD PROPOSED CONCRETE BARRIER AND DRAINAGE IMPROVEMENTS
C-130	ROUTE 9W AND SHORT CLOVE RD PROPOSED CONCRETE BARRIER AND DRAINAGE IMPROVEMENTS - DETAILS
PACKAGE 7B: ACCESS AND CONSTRUCTION STAGING PLANS	
C-201	OFF SITE ACCESS ROADS - SHEET 1 OF 2
C-202	OFF SITE ACCESS ROADS - SHEET 2 OF 2
PACKAGE 7B: HDD TRENCHLESS PLANS	
C-324	PROPOSED PLAN AND PROFILE HDD 124
C-324.2	PROPOSED PLAN AND PROFILE HDD 124.2
C-326	PROPOSED PLAN AND PROFILE HDD 126
C-326.2	PROPOSED PLAN AND PROFILE HDD 126.2
C-327	PROPOSED PLAN AND PROFILE HDD 127
C-327.2	PROPOSED PLAN AND PROFILE HDD 127.2
C-329	PROPOSED PLAN AND PROFILE HDD 129
C-329.2	PROPOSED PLAN AND PROFILE HDD 129.2
C-331	PROPOSED PLAN AND PROFILE HDD 131
C-331.2	PROPOSED PLAN AND PROFILE HDD 131.2
C-332	PROPOSED PLAN AND PROFILE HDD 132
C-332.2	PROPOSED PLAN AND PROFILE HDD 132.2

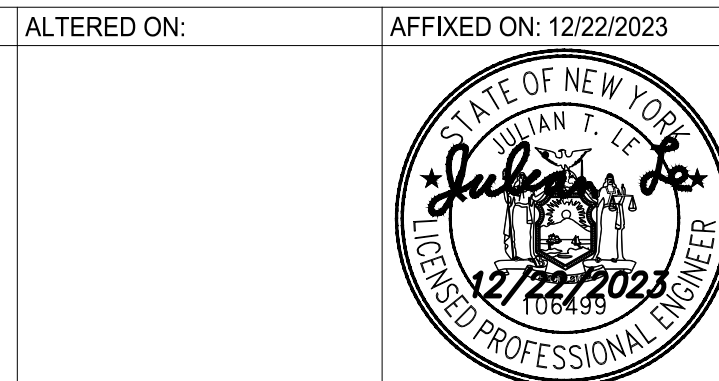
PACKAGE 7B: EROSION AND SEDIMENT CONTROL PLANS	
KEY PLAN E&S	
C-400	
C-400.2	STA. 72495+26.48 TO STA. 72500+00.00
C-401	STA. 72500+00.00 TO STA. 72530+00.00
C-402	STA. 72530+00.00 TO STA. 72560+00.00
C-403	STA. 72560+00.00 TO STA. 72590+00.00
C-404	STA. 72590+00.00 TO STA. 72620+00.00
C-405	STA. 72620+00.00 TO STA. 72650+00.00
C-406	STA. 72650+00.00 TO STA. 72680+00.00
C-407	STA. 72680+00.00 TO STA. 72710+00.00
C-408	STA. 72710+00.00 TO STA. 72740+00.00
C-409	STA. 72740+00.00 TO STA. 72770+00.00
C-410	STA. 72770+00.00 TO STA. 72800+00.00
C-411	STA. 72800+00.00 TO STA. 72830+00.00
C-412	STA. 72830+00.00 TO STA. 72860+00.00
C-413	STA. 72860+00.00 TO STA. 72890+00.00
C-414	STA. 72890+00.00 TO STA. 72899+07.95
PACKAGE 7B: PAVEMENT MARKING PLANS	
KEY PLAN PAVEMENT MARKING PLANS	
C-550	
C-551	GENERAL NOTES
C-552	PAVEMENT MARKING PLAN - SHEET 1 OF 13
C-553	PAVEMENT MARKING PLAN - SHEET 2 OF 13
C-554	PAVEMENT MARKING PLAN - SHEET 3 OF 13
C-555	PAVEMENT MARKING PLAN - SHEET 4 OF 13
C-556	PAVEMENT MARKING PLAN - SHEET 5 OF 13
C-557	PAVEMENT MARKING PLAN - SHEET 6 OF 13
C-558	PAVEMENT MARKING PLAN - SHEET 7 OF 13
C-559	PAVEMENT MARKING PLAN - SHEET 8 OF 13
C-560	PAVEMENT MARKING PLAN - SHEET 9 OF 13
C-561	PAVEMENT MARKING PLAN - SHEET 10 OF 13
C-562	PAVEMENT MARKING PLAN - SHEET 11 OF 13
C-563	PAVEMENT MARKING PLAN - SHEET 12 OF 13
C-564	PAVEMENT MARKING PLAN - SHEET 13 OF 13
PACKAGE 7B: DETAILS - EROSION AND SEDIMENT CONTROL DETAILS	
C-601	EROSION AND SEDIMENT CONTROL DETAILS
C-602	EROSION AND SEDIMENT CONTROL DETAILS
PACKAGE 7B: DETAILS - CONSTRUCTION AND INSTALLATION DETAILS	
C-621	TRENCHING DETAILS
PACKAGE 7B: DETAILS - RESTORATION DETAILS	
C-631	SURFACE RESTORATION DETAILS
PACKAGE 7B: DETAILS - ELECTRICAL	
C-801	ABOVE GROUND MARKING DETAILS
C-802	TYPICAL VAULT SNAKING DETAILS
C-803	TYPICAL VAULT GROUNDING DETAILS
C-805	TYPICAL TRANSITION VAULT SNAKING DETAILS
C-806	TRANSITION VAULT GROUNDING DETAILS
C-807	MANHOLE MARKING DETAILS
C-812	VAULT CONNECTION DETAILS
PACKAGE 7B: DETAILS - COMMUNICATIONS	
C-850	TRANSITION VAULT FIBER OPTIC DETAIL
C-851	DTS HUT CONNECTION FIBER OPTIC SPLICE & HAND HOLE
C-852	ENCLOSED VAULT WITH FIBER OPTICS
C-855	FIBER OPTIC SPLICE DIAGRAM
C-856	FIBER OPTIC SLACK ENCLOSURE DETAIL
PACKAGE 7B: DETAILS - UTILITIES	
C-901	UTILITY TYPICAL SEPARATION DETAILS
PACKAGE 7B: ROAD SECTION EXHIBITS	
C-1001	ROAD SECTION EXHIBIT STA. 72495+50 TO STA. 72504+15
C-1002	ROAD SECTION EXHIBIT STA. 72506+50 TO STA. 72527+50
C-1003	ROAD SECTION EXHIBIT STA. 72531+75 TO STA. 72548+90
C-1004	ROAD SECTION EXHIBIT STA. 72553+15 TO STA. 72560+25
C-1005	ROAD SECTION EXHIBIT STA. 72561+20 TO STA. 72588+50
C-1006	ROAD SECTION EXHIBIT STA. 72599+00 TO STA. 72611+00
C-1007	ROAD SECTION EXHIBIT STA. 72625+45 TO STA. 72634+15
C-1008	ROAD SECTION EXHIBIT STA. 72635+50 TO STA. 72675+50
C-1009	ROAD SECTION EXHIBIT STA. 72676+75 TO STA. 72698+95

C-1010	ROAD SECTION EXHIBIT STA. 72704+45 TO STA. 72712+55
C-1011	ROAD SECTION EXHIBIT STA. 72730+40 TO STA. 72764+70
C-1012	ROAD SECTION EXHIBIT STA. 72777+85 TO STA. 72796+20
C-1013	ROAD SECTION EXHIBIT STA. 72808+80 TO STA. 72820+30
C-1014	ROAD SECTION EXHIBIT STA. 72843+25 TO STA. 72852+85
C-1015	ROAD SECTION EXHIBIT STA. 72866+90 TO STA. 72898+85
PACKAGE 7B: MAINTENANCE AND PROTECTION OF TRAFFIC PLANS	
O-001	NOTES, LEGEND & ABBREVIATIONS
O-002	WZTC TABLE
O-003	WZTC KEY PLAN
O-004	SIGNAGE TABLE - SHEET 1 OF 2
O-005	SIGNAGE TABLE - SHEET 2 OF 2
O-006	NB BYPASS ALTERNATE TRAFFIC ROUTES
O-007	SB BYPASS ALTERNATE TRAFFIC ROUTES
O-401	STAGE 8 / JAMES FARLEY BRIDGE DETOUR PLAN
O-402	STAGE 10 DETOUR PLAN
O-403	HDD 127 / RAILROAD AVE. DETOUR
O-601	STAGE 10 NORTH INTERSECTION DETAIL
O-602	STAGE 10 SOUTH INTERSECTION DETAIL
O-603	STAGE 9 NORTH INTERSECTION DETAIL
O-604	STAGE 9: CROSSOVER DETAIL 1 - SHEET 1 OF 2
O-605	STAGE 9: CROSSOVER DETAIL 1 - SHEET 2 OF 2
O-606	STAGE 9 SOUTH INTERSECTION DETAIL
O-607	STAGE 8 NORTH INTERSECTION DETAIL
O-608	JAMES A. FARLEY MEMORIAL BRIDGE MPT DETAILS
O-609	STAGE 8: CROSSOVER DETAIL 2 SHEET 1 OF 2
O-610	STAGE 8: CROSSOVER DETAIL 2 SHEET 2 OF 2
O-611	STAGE 8: CROSSOVER DETAIL 3 SHEET 1 OF 2
O-612	STAGE 8: CROSSOVER DETAIL 3 SHEET 2 OF 2
O-613	STAGE 7 SOUTH INTERSECTION DETAIL
O-614	STAGE 6 NORTH INTERSECTION DETAIL
O-615	STAGE 5: CROSSOVER DETAIL 4 - SHEET 1 OF 2
O-616	STAGE 5: CROSSOVER DETAIL 4 - SHEET 2 OF 2
O-617	STAGE 4: CROSSOVER DETAIL 5 - SHEET 1 OF 2
O-618	STAGE 4: CROSSOVER DETAIL 5 - SHEET 2 OF 2
O-619	NEW MAIN STREET INTERSECTION DETAIL - SHEET 1 OF 2
O-620	NEW MAIN STREET INTERSECTION DETAIL - SHEET 2 OF 2
O-621	STAGE 4 CROSSOVER DETAIL 6 - SHEET 1 OF 2
O-622	STAGE 4 CROSSOVER DETAIL 6 - SHEET 2 OF 2
O-623	STAGE 4 CROSSOVER DETAIL 7 - SHEET 1 OF 2
O-624	STAGE 4 CROSSOVER DETAIL 7 - SHEET 2 OF 2
O-625	STAGE 4 CROSSOVER DETAIL 8 - SHEET 1 OF 2
O-626	STAGE 4 CROSSOVER DETAIL 8 - SHEET 2 OF 2
O-627	STAGE 4 SOUTH INTERSECTION DETAIL
O-628	STAGE 3 NORTH INTERSECTION DETAIL
O-629	STAGE 3 CROSSOVER DETAIL 9 - SHEET 1 OF 2
O-630	STAGE 3 CROSSOVER DETAIL 9 - SHEET 2 OF 2
O-631	CROSSOVER DETAIL 10 NB LANE CLOSURE - SHEET 1 OF 2
O-632	CROSSOVER DETAIL 10 SB LANE CLOSURE - SHEET 2 OF 2
O-633	CROSSOVER DETAIL 11 SB LANE CLOSURE - SHEET 1 OF 2
O-634	CROSSOVER DETAIL 11 NB LANE CLOSURE - SHEET 2 OF 2
O-635	STAGE 3 SOUTH INTERSECTION DETAIL
O-636	STAGE 2 CROSSOVER DETAIL 12 - SHEET 1 OF 2
O-637	STAGE 2 CROSSOVER DETAIL 12 - SHEET 2 OF 2
O-638	CROSSOVER DETAIL 13 SB LANE CLOSURE - SHEET 1 OF 2
O-639	CROSSOVER DETAIL 13 NB LANE CLOSURE - SHEET 2 OF 2
O-701	HDD 124 CONDUIT 1 & 2
O-702	SPLICE VAULT 245
O-703	SPLICE VAULT 245A
O-704	SPLICE VAULT 246 & HDD 126 ENTRY PITS PATRIOT'S SQUARE
O-705	HDD 126 EXIT PIT
O-706	SPLICE VAULT 246B
O-707	SPLICE VAULT 246A
O-708	HELEN HAYES HOSPITAL DETAIL - SHEET 1 OF 2
O-708A	HELEN HAYES HOSPITAL DETAIL - SHEET 2 OF 2
O-709	HDD 127 - SHEET 1 OF 2

O-710	HDD 127 - SHEET 2 OF 2
O-711	KENNEDY DRIVE DETAIL
O-712	SV 247 & HDD 129 ENTRY PITS SAMSONDALE PLAZA
O-713	HDD 129 EXIT PIT & HDD 131 ENTRY PIT
O-714	HDD 131 EXIT PIT
O-715	HDD 131 PULLBACK OPERATION
O-716	SPLICE VAULT 248
O-717	HDD 132 ENTRY PIT
O-718	HDD 132 EXIT PIT
O-719	SPLICE VAULT 248A
O-720	SPLICE VAULT 249
O-721	SPLICE VAULT 249A
O-722	SPLICE VAULT 250
O-723	SPLICE VAULT 250A
O-724	SPLICE VAULT 251
O-725	SPLICE VAULT 251A
O-801	PEDESTRIAN DETOUR SV 245V
O-802	PEDESTRIAN DETOUR HDD 126 & SV 246
O-803	PEDESTRIAN DETOUR HDD 127
O-804	PEDESTRIAN DETOUR HDD 131-132 & SV 248

A

B



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	12/22/2023	NDC-0030: NYS DOT R8 DIRECTED CHANGES	RB	JL
1	12/22/2023	NDC-0023: HOSPITAL BORE REMOVED	RB	JL
0	07/20/2023	ISSUED FOR CONSTRUCTION SUBMISSION	RB	JL

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
SHEET INDEX-SHEET 1 OF 2

DRAWN BY: RB DESIGNED BY: AC APPROVED BY: JL SCALE AS SHOWN DATE: 07/20/2023

PERMIT DRAWING NO.	
DRAWING NO.	
N/A	
G-001	

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NYS DOT NOTES

- 1. MAINTAIN EXISTING GUIDE RAIL, MEDIAN BARRIER, AND BRIDGE RAIL. WHEN CONSTRUCTION OPERATIONS REQUIRE THE TEMPORARY REMOVAL OF EXISTING BRIDGE RAIL, GUIDE RAIL OR MEDIAL BARRIER; OR WHEN EXISTING RAIL WILL BE REMOVED AND REPLACED WITH NEW RAIL, THE CONTRACTOR SHALL SCHEDULE OPERATIONS TO MINIMIZE THE TIME PERIOD THAT RAIL IS NOT INSTALLED.
- 2. UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS, GUIDE RAIL OR MEDIAN BARRIER SHALL BE REPLACED OR THE LOCATION OTHERWISE PROTECTED WITHIN 14 CALENDAR DAYS. BRIDGE RAIL SYSTEMS SHALL BE MAINTAINED IN SERVICE AT ALL TIMES ON ANY STRUCTURE ON WHICH VEHICLE OR PEDESTRIAN TRAFFIC IS MAINTAINED, UNLESS A TEMPORARY BARRIER IS INSTALLED, OR OTHER MEANS ARE USED TO ENSURE THAT VEHICLES, BICYCLISTS AND PEDESTRIANS ARE NOT EXPOSED TO THE UNPROTECTED EDGE OF A BRIDGE.
- 3. DURING NON-WORK HOURS WHEN TRAFFIC IS BEING MAINTAINED ON THE FACILITY, ALL TEMPORARY ENDS (FREE ENDS) OF GUIDE RAIL, MEDIAN BARRIER AND BRIDGE RAIL SHALL BE TEMPORARILY TERMINATED AND MARKED WITH A CHANNELIZING DRUM OR OBJECT MARKER EQUIPPED WITH A TYPE OF FLASHING WARNING LIGHT. CORRUGATED BEAM GUIDE RAIL AND MEDIAN BARRIER, AND HEAVY-POST, BLOCKED-OUT, CORRUGATED BEAM GUIDE RAIL AND MEDIAN BARRIER SHALL BE TEMPORARILY TERMINATED BY HAVING THE EXPOSED ENDS (FREE ENDS) DROPPED TO THE GROUND AND PINNED.
- 4. THE APPROACH ENDS OF BOX BEAM GUIDE RAIL, MEDIAN BARRIER AND BRIDGE RAIL SHALL BE TEMPORARILY TERMINATED WITH BOX BEAM GUIDE RAIL END ASSEMBLIES UTILIZING TWO SPLICE PLATES AND THE PROPER NUMBER OF BOLTS PER CONNECTION. NO POSTS FOR ANCHORAGES WILL BE REQUIRED. SPECIAL TEMPORARY SPLICE PLATES ARE REQUIRED TO ADAPT BOX BEAM GUIDE RAIL END ASSEMBLIES TO BOX BEAM MEDIAN BARRIERS.
- 5. DURING ANY OVERNIGHT PERIOD WHEN EXISTING GUIDE RAIL OR MEDIAN BARRIER IS TEMPORARILY REMOVED, THE CONTRACTOR SHALL INSTALL CHANNELIZING DEVICES IN THE LOCATION WHERE THE GUIDE RAIL OR MEDIAN BARRIER WAS REMOVED IN ACCORDANCE WITH 619-3.02J.6. REMOVED EXISTING GUIDE RAIL OR MEDIAN BARRIER.
- 6. GUIDERAIL REPLACEMENT TYPE TO BE COORDINATE WITH NYS DOT.
- 7. THE PLANS DEPICT AREAS OF EXPANDED LIMIT OF WORK AT EXISTING CULVERTS THAT WILL BE EVALUATED WITH NYS DOT AND THE CERTIFICATE HOLDERS FOR POTENTIAL REPLACEMENT OR REPAIR. IF ANY REPAIRS OR REPLACEMENTS ARE DETERMINED, THE WORK WILL BE DONE IN ACCORDANCE WITH NYS DOT SPECIFICATIONS.
- 8. ALL TRENCH EXCAVATION AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH THE LATEST REVISIONS OF NEW YORK STATE INDUSTRIAL CODE RULE 23 AND OSHA REGULATIONS FOR CONSTRUCTION. SHEET PILING SHALL BE DESIGNED AND SEALED BY A NEW YORK STATE PROFESSIONAL ENGINEER.
- 9. CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK AND SHALL SUBMIT A DEWATERING PLAN. CONTRACTOR SHALL MAINTAIN EXISTING SITE DRAINAGE PATTERNS THROUGHOUT CONSTRUCTION UNLESS OTHERWISE SHOWN ON THE PLANS.
- 10. MAINTAIN FLOW FOR ALL EXISTING UTILITIES.
- 11. ALL FRAMES/COVERS WITHIN PAVED AREAS SHALL HAVE THE TOPS SET FLUSH WITH THE EXISTING PAVEMENT GRADE. IN LANDSCAPED AREAS, ALL FRAMES SHALL BE 0.1' ABOVE GRADE.
- 12. TEMPORARY PAVEMENT SHALL BE PLACED WITHIN 48 HOURS OF COMPLETION OF BACKFILL OPERATIONS WITHIN THE EXISTING PAVEMENT LIMITS.
- 13. CONTRACTOR SHALL MAINTAIN ALL TRAFFIC IN ALL AREAS IN ACCORDANCE WITH THE NYS DOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- 14. ALL EXCAVATIONS SHALL BE PROTECTED AT THE END OF EACH WORK DAY PER OSHA AND NYS DOT REQUIREMENTS.
- 15. WITHIN NYS DOT ROW ALL OPEN EXCAVATIONS TO BE PROTECTED BY CONCRETE BARRIERS OR BE COVERED BY A STEEL PLATE, 3/4" THICK MINIMUM. A SINGLE PLATE SHOULD COVER THE ENTIRE EXCAVATION AND HAVE ENOUGH BEARING ON SURROUNDING SURFACES TO SUPPORT A VEHICLE.
- 16. CONTRACTOR SHALL TAKE CARE TO PREVENT DAMAGE TO EXISTING UTILITIES. UTILITIES DAMAGED BY CONTRACTOR SHALL BE IMMEDIATELY REPAIRED BY CONTRACTOR AT THE CONTRACTOR'S EXPENSE. IF DURING EXCAVATION PREVIOUSLY DAMAGED UTILITIES ARE UNCOVERED, CONTRACTOR SHALL DOCUMENT THE DAMAGE AND REPORT DAMAGE TO THE APPROPRIATE OWNER
- 17. DEPTH OF BURY FOR EXISTING CABLED UTILITIES FIBER/ELECTRICAL/TELECOM AND WATERLINES UNKNOWN. ASSUMED DEPTH OF BURY FOR CABLED UTILITIES IS 30" UNLESS OTHERWISE SHOWN. ASSUMED DEPTH OF BURY FOR WATERLINES IS 5' UNLESS OTHERWISE SHOWN.
- 18. CONTRACTOR TO COORDINATE ALL DRIVEWAY CROSSINGS WITH THE PROPERTY OWNERS PRIOR TO EXCAVATING. ACCESS TO ALL DRIVEWAYS FOR THE RESIDENTS AND COMMERCIAL PROSPERITIES, WILL NEED TO BE MAINTAINED DURING THE PROJECT. ALL EXCAVATIONS IN THE ENTRANCES/DRIVEWAYS WILL NEED TO BE BACKFILLED AT THE END OF EACH WORKDAY, OR STEEL PLATES SHALL BE INSTALLED TO ALLOW ACCESS DURING CONSTRUCTION. REFER TO THE EM&CP FOR EMERGENCY ACCESS MANAGEMENT PLAN.
- 19. A MEETING WITH A NYS DOT GEOLOGIST WILL BE REQUIRED PRIOR TO ANY BLASTING WITHIN 200' OF NYS ROUTE 9W. THIS MEETING WILL BE HELD WITHIN TENS DAYS FOLLOWING SUBMISSION AND ACCEPTANCE OF A PRELIMINARY BLAST PLAN BY THE NYS DOT. REFERENCE NYS DOT GEOTECHNICAL ENGINEERING MANUAL - 22 (GEM 22) PROCEDURES FOR BLASTING.

20. EXISTING SIGNS IN CONFLICT WITH CONSTRUCTION SHALL BE REMOVED AND REPLACED/RELOCATED BASED ON SITE CONDITIONS WITH THE APPROVAL OF THE ENGINEER. SIGNS BEING REUSED WILL NEED TO BE INSPECTED TO MEET CURRENT MUTCD REQUIREMENTS FOR ACCEPTANCE.

- 21. ALL SIDEWALKS REQUIRING REPLACEMENT SHALL ADHERE TO NYS DOT STANDARD SHEET #608-01.
- 22. PLATES WILL NEED TO BE PINNED TO PREVENT FROM DISPLACEMENT DURING NON-WORKING HOURS. PLATES SHALL BE RECESSED FOR WINTER OPERATIONS.
- 23. ALL EXCAVATIONS SHALL BE PROTECTED IN ACCORDANCE TO OSHA REQUIREMENTS.
- 24. DESIGN OF SUPPORT OF EXCAVATION FOR TRENCH DEPTH EXCEEDING 20 FT SHALL BE BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.
- 25. CONTRACTOR SHALL COORDINATE WITH CSX WHEN TRAFFIC SIGNAL OPERATION WITH PRE-EMPTION MAY BE IMPACTED.

TRAFFIC CONTROL NOTES

- 1. REFER TO 0-001
- 2. WHEN USING STEEL PLATES TO COVER TRENCH OPENINGS, W8-24 STEEL PLATE AHEAD SIGN SHALL BE INSTALLED MIN. 100 FT IN ADVANCE.
- 3. CHPE SHALL BE RESPONSIBLE FOR ALL COST FOR UTILIZING POLICE ENFORCEMENT FOR TRAFFIC CONTROL DURING CONSTRUCTION, AS REQUIRED.

EXCAVATION NOTES

- 1. ANY EXCAVATION WHICH EXCEEDS FIVE FEET IN DEPTH AND HAS LIVE TRAFFIC OR UTILITIES WITHIN A 1V:1H PROJECTION FROM THE BOTTOM OF THE EXCAVATION SHALL UTILIZE A SHEETING/SHORING SYSTEM WHICH PROVIDES DIRECT CONTACT AND SUPPORT OF THE EXCAVATION SIDES (A LOOSELY PLACED TRENCH BOX DOES NOT MEET THIS REQUIREMENT). THE CONTRACTOR SHALL PROVIDE VERIFICATION (I.E., MANUFACTURER'S DATA SHEETS AND/OR P.E. DESIGN COMPUTATIONS TO THE NYS DOT DEMONSTRATING THAT THE SYSTEM CHOSEN CAN ACCOMMODATE ALL ANTICIPATED SOIL, WATER AND SURCHARGE LOADINGS.
- 2. ALL EXISTING UTILITIES SHALL BE VERIFIED PRIOR TO ANY EXCAVATION IN ACCORDANCE TO RESPECTIVE CI OWNERS REQUIREMENTS.

ORANGE AND ROCKLAND NOTES:

- 1. ALL WORK AND EQUIPMENT WITHIN THE ORANGE AND ROCKLAND UTILITIES EASEMENT SHALL MAINTAIN THE PROPER CLEARANCE FROM THE HIGH VOLTAGE ENERGIZED FACILITIES IN ACCORDANCE WITH THE NEW YORK STATE HIGH VOLTAGE PROXIMITY ACT, OSHA REGULATIONS AND ORANGE AND ROCKLAND'S FIELD SAFETY GUIDE.
- 2. THE ORANGE AND ROCKLAND EXTRA HIGH VOLTAGE SUPERVISOR MUST BE NOTIFIED A MINIMUM OF ONE WEEK PRIOR TO ANY CONSTRUCTION ACTIVITY WITHIN THE ORANGE AND ROCKLAND EASEMENT.
- 3. APPROPRIATE CLEARANCE FROM THE LOWEST CONDUCTOR SHALL BE MAINTAINED AT ALL TIMES. NOTE: CONDUCTOR'S SAG AND SWING CHANGE DUE TO CHANGES IN TEMPERATURE AND WEATHER.
- 4. SIGNS INDICATING 'HIGH VOLTAGE ABOVE' SHALL BE DISPLAYED THROUGHOUT CONSTRUCTION.
- 5. STOCKPILING OF DEBRIS, SOIL, SNOW OR ANY CONSTRUCTION MATERIALS WITHIN THE ORANGE AND ROCKLAND EASEMENT IS PROHIBITED.
- 6. NO EXCAVATION SHALL BE MADE WITHIN 50' OF ANY ORANGE AND ROCKLAND TRANSMISSION STRUCTURE WITHOUT PRIOR PERMISSION FROM ORANGE AND ROCKLAND.
- 7. CONSTRUCTION ACTIVITIES THAT HAVE BEEN CONSENTED TO BY ORANGE AND ROCKLAND WHICH CONSIST OF GRADE INCREASES WITHIN THE EASEMENT SHALL BE CONDUCTED BY PLACEMENT OF FILL OUTSIDE THE EASEMENT AND MOVED INTO THE EASEMENT BY BULLDOZER. CRANES, DUMP TRUCKS, EXCAVATORS AND EQUIPMENT THAT COULD POTENTIALLY COME IN CONTACT WITH ORANGE AND ROCKLAND'S OVERHEAD TRANSMISSION FACILITIES SHALL NOT OPERATE WITHIN THE EASEMENT.
- 8. ALL EQUIPMENT OPERATING WITHIN ORANGE AND ROCKLAND'S EASEMENT SHALL BE GROUNDED.
- 9. GROUNDING COMPONENTS, SUCH AS ABOVE AND BELOW GRADE GROUND WIRES AND DRIVEN GROUND RODS ARE LOCATED AT THE BASE OF EACH TRANSMISSION STRUCTURE AND/OR BETWEEN TRANSMISSION STRUCTURES WITHIN THE EASEMENT. EXTREME CARE SHALL BE UNDERTAKEN DURING ALL CONSTRUCTION ACTIVITIES TO AVOID DAMAGING THE GROUNDING COMPONENTS. IF ANY ORANGE AND ROCKLAND FACILITY IS DAMAGED, ORANGE AND ROCKLAND SHALL BE IMMEDIATELY NOTIFIED SO THAT REPAIRS CAN BE IMPLEMENTED. ALL COSTS ASSOCIATED WITH REPAIR OR REPLACEMENT OF DAMAGED FACILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 10. FINAL GRADING WITHIN THE ORANGE AND ROCKLAND EASEMENT SHALL NOT RESULT IN PONDING OF WATER, EROSION OR STORM WATER ROUTING THAT WOULD PREVENT OR IMPEDE ACCESS ALONG THE RIGHT-OF-WAY OR ERODE A STRUCTURE'S FOUNDATION OR POLE'S EMBEDMENT DEPTH.
- 11. LANDSCAPING WITHIN THE EASEMENT SHALL BE IN ACCORDANCE WITH ORANGE AND ROCKLAND'S LIST OF APPROVED VEGETATIVE PLANTINGS. ORANGE AND ROCKLAND RESERVES THE RIGHT TO TRIM AND/OR CLEAR CUT ALL GROWTH WITHIN THE EASEMENT IN ORDER TO CONDUCT MAINTENANCE ACTIVITIES AND MAINTAIN PROPER ELECTRICAL CLEARANCE.

12. LIGHT POLES ARE NOT PERMITTED WITHIN THE ORANGE AND ROCKLAND EASEMENT.

13. BLASTING IS NOT PERMITTED IN THE ORANGE AND ROCKLAND EASEMENT WITHOUT SUBMISSION OF A DETAILED BLASTING PLAN AND WRITTEN APPROVAL FROM ORANGE AND ROCKLAND.

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Engineering and Land Surveying, P.C.



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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
1	12/22/2023	NDC-0045: UTILITY NOTES	MS	SB
1	12/22/2023	NDC-0030: NYS DOT R8 DIRECTED CHANGES	MS	SB
0	07/20/2023	ISSUED FOR CONSTRUCTION SUBMISSION	MS	SB

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND

PACKAGE SPECIFIC NOTES

DRAWN BY: MS DESIGNED BY: MS APPROVED BY: SB SCALE AS SHOWN DATE: 07/20/2023

PERMIT DRAWING NO. N/A
DRAWING NO. G-004

STRUCTURE TABLE						
STRUCTURE NAME	SHEET	STATION	LAT	LONG	NORTHING	EASTING
TRANSITION VAULT 3 w/ LINK BOX	C-100	72495+61.5	41.24217315	-73.98182741	877849.9	634619.2
SPLICE VAULT 245	C-102	72527+56.9	41.23429521	-73.98491464	874974.7	633787.2
SPLICE VAULT 245A	C-103	72541+41.0	41.23089694	-73.98633906	873734.5	633402.8
SPLICE VAULT 246	C-104	72560+05.1	41.22631574	-73.98655875	872064.9	633352.2
SPLICE VAULT 246B	C-106	72583+91.3	41.22044174	-73.98599161	869925.7	633520.9
SPLICE VAULT 246A w/ LINK BOX	C-107	72600+79.6	41.2159076	-73.98647064	868273.0	633398.9
SPLICE VAULT 247	C-109	72634+00.4	41.20693928	-73.98496117	865008.1	633833.5
SPLICE VAULT 248	C-112	72676+60.9	41.19737362	-73.97841023	861533.8	635656.8
SPLICE VAULT 248A w/ LINK BOX	C-115	72712+36.4	41.19315747	-73.96722574	860016.4	638744.0
SPLICE VAULT 249	C-116	72730+02.5	41.1898842	-73.96259103	858831.7	640026.8
SPLICE VAULT 249A	C-118	72766+38.8	41.18192692	-73.95469052	855946.2	642219.3
SPLICE VAULT 250	C-120	72785+28.9	41.17936803	-73.94881178	855024.1	643843.4
SPLICE VAULT 250A w/ LINK BOX	C-121	72810+66.0	41.17463295	-73.94474492	853306.1	644973.8
SPLICE VAULT 251	C-123	72843+16.2	41.16947075	-73.93906504	851435.4	646549.5
SPLICE VAULT 251A	C-125	72866+86.4	41.16535468	-73.93266867	849947.2	648320.2
TRANSITION VAULT 4 w/ LINK BOX	C-127	72898+73.0	41.15793814	-73.92755463	847254.4	649745.9

FIBER OPTIC SPLICE LOCATIONS						
STRUCTURE NAME	SHEET	STATION	LAT	LONG	NORTHING	EASTING
TRANSITION VAULT 3 w/ LINK BOX	C-100	72495+61.5	41.24217315	-73.98182741	877849.9	634619.2
SPLICE VAULT 247	C-109	72634+00.4	41.20693928	-73.98496117	865008.1	633833.5
SPLICE VAULT 250	C-120	72785+21.5	41.17936803	-73.94881178	855024.1	643843.4
TRANSITION VAULT 4 w/ LINK BOX	C-127	72898+73.0	41.15793814	-73.92755463	847254.4	649745.9

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



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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
1	12/22/2023	NDC-0021: SV-245A RELOCATION	RB	JL
1	12/22/2023	LINK BOX REMOVED & ADDED	RB	JL
0	07/20/2023	ISSUED FOR CONSTRUCTION SUBMISSION	RB	JL

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
SPLICE, LINK BOX, FIBER OPTIC HANDHOLE
LOCATION TABLES

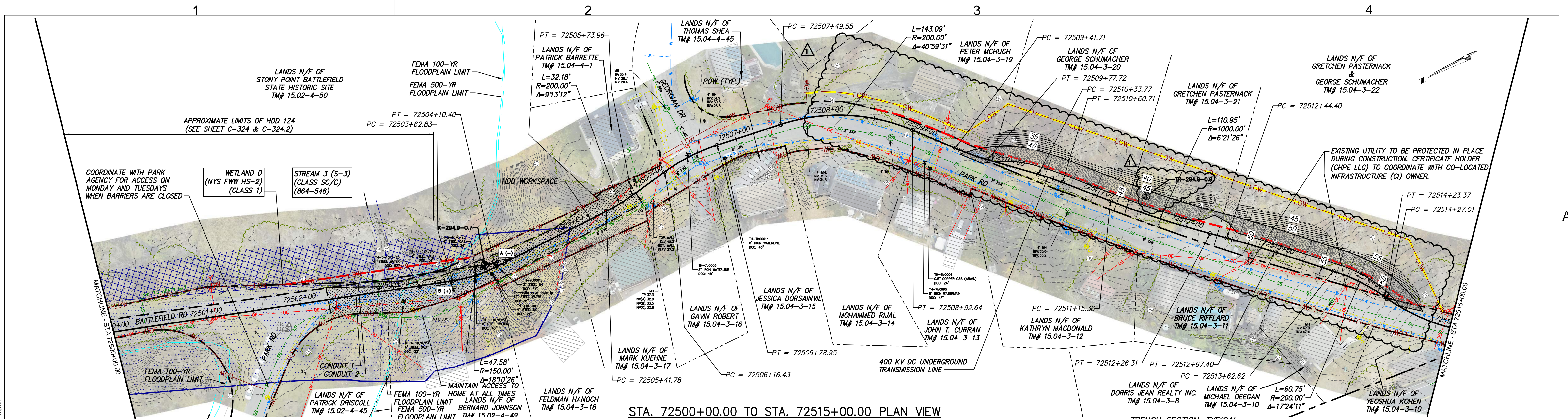
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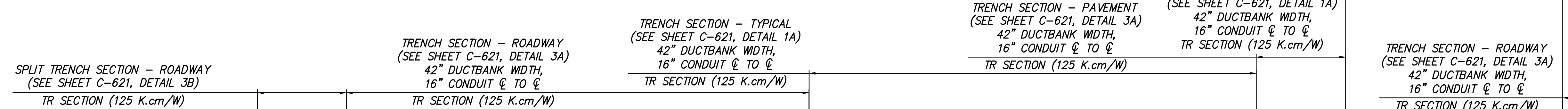


CHPE LLC
623 Fifth Avenue, 20th Floor
New York, NY 10022

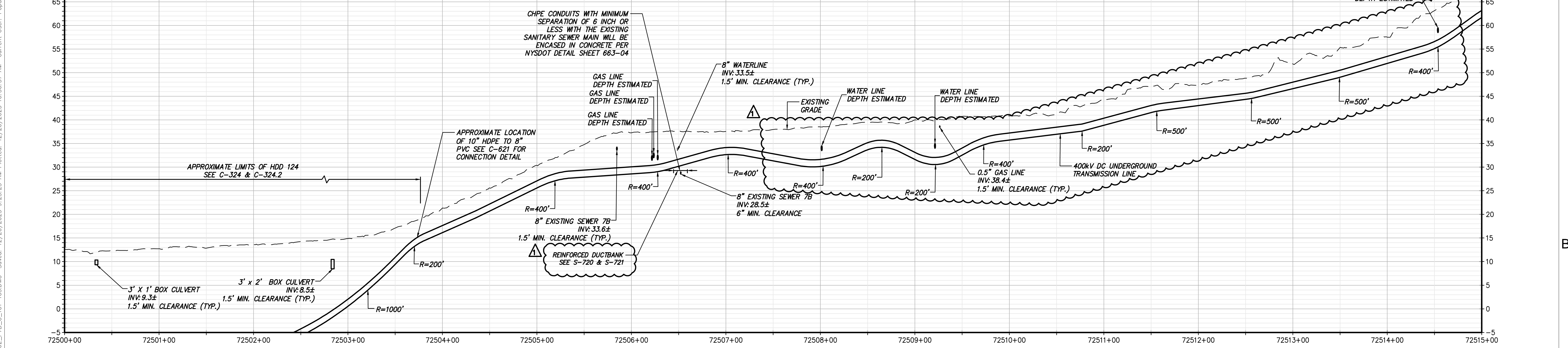
Plan and Profile Sheets



STA. 72500+00.00 TO STA. 72515+00.00 PLAN VIEW
SCALE: 1" = 50'

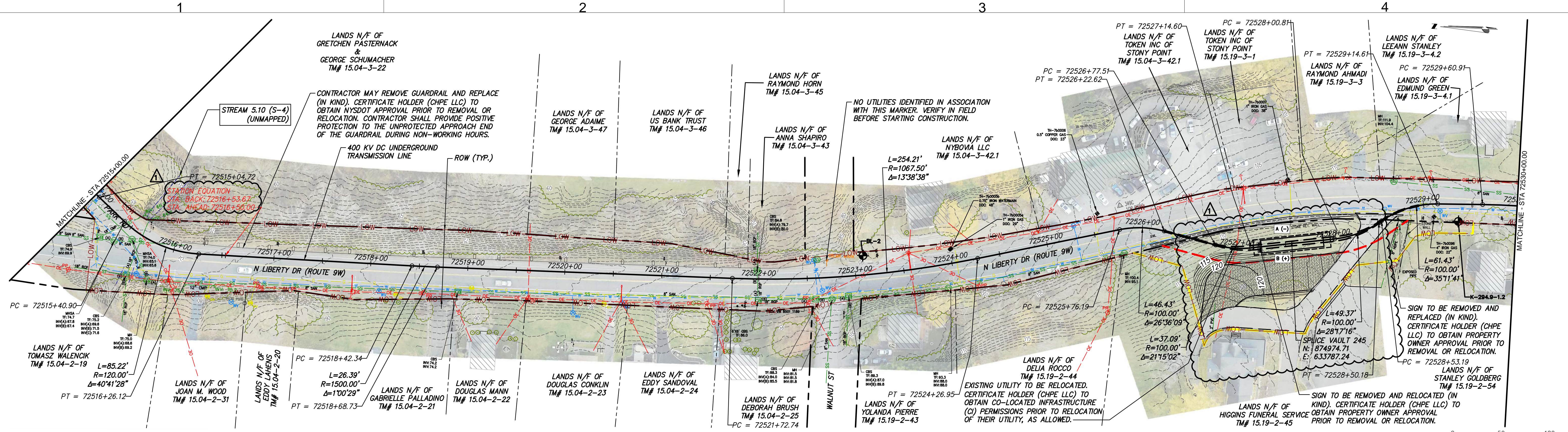


TRENCH SECTION - ROADWAY (SEE SHEET C-621, DETAIL 3A) 42" DUCTBANK WIDTH, 16" CONDUIT ϕ TO ϕ TR SECTION (125 K.cm/W)



STA 72500+00.00 TO 72515+00.00 PROFILE VIEW
SCALE: H: 1" = 50' V: 1" = 10'

<p>Champlain Hudson Power Express</p>	<p>Kiewit</p>	<p>TETRA TECH</p> <p>TETRA TECH ENGINEERING AND SURVEYING P.C. (A NEW YORK PROFESSIONAL CORPORATION)</p>	<p>ALFRED J. JUBIA, P.E. LICENSED PROFESSIONAL ENGINEER</p>	<p>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.</p>	<p>CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND STA. 72500+00.00 TO STA. 72515+00.00</p>		<p>PERMIT DRAWING NO. N/A</p>																								
					<p>DRAWN BY: RB DESIGNED BY: AC APPROVED BY: JL SCALE AS SHOWN DATE: 07/20/2023</p>		<p>DRAWING NO. C-101</p>																								
<table border="1"> <thead> <tr> <th>No.</th> <th>DATE</th> <th>SUBMITTAL / REVISION DESCRIPTION</th> <th>DB</th> <th>APP</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>12/22/2023</td> <td>NDC-0045: GEOTECHNICAL BORING LOCATION ADDED</td> <td>RB</td> <td>JL</td> </tr> <tr> <td>1</td> <td>12/22/2023</td> <td>NDC-0022: PARK ROAD ALIGNMENT SHIFT</td> <td>RB</td> <td>JL</td> </tr> <tr> <td>1</td> <td>12/22/2023</td> <td>REINFORCED DUCTBANK LABEL UPDATE</td> <td>RB</td> <td>JL</td> </tr> <tr> <td>0</td> <td>07/20/2023</td> <td>ISSUED FOR CONSTRUCTION SUBMISSION</td> <td>RB</td> <td>JL</td> </tr> </tbody> </table>					No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	1	12/22/2023	NDC-0045: GEOTECHNICAL BORING LOCATION ADDED	RB	JL	1	12/22/2023	NDC-0022: PARK ROAD ALIGNMENT SHIFT	RB	JL	1	12/22/2023	REINFORCED DUCTBANK LABEL UPDATE	RB	JL	0	07/20/2023	ISSUED FOR CONSTRUCTION SUBMISSION	RB	JL		
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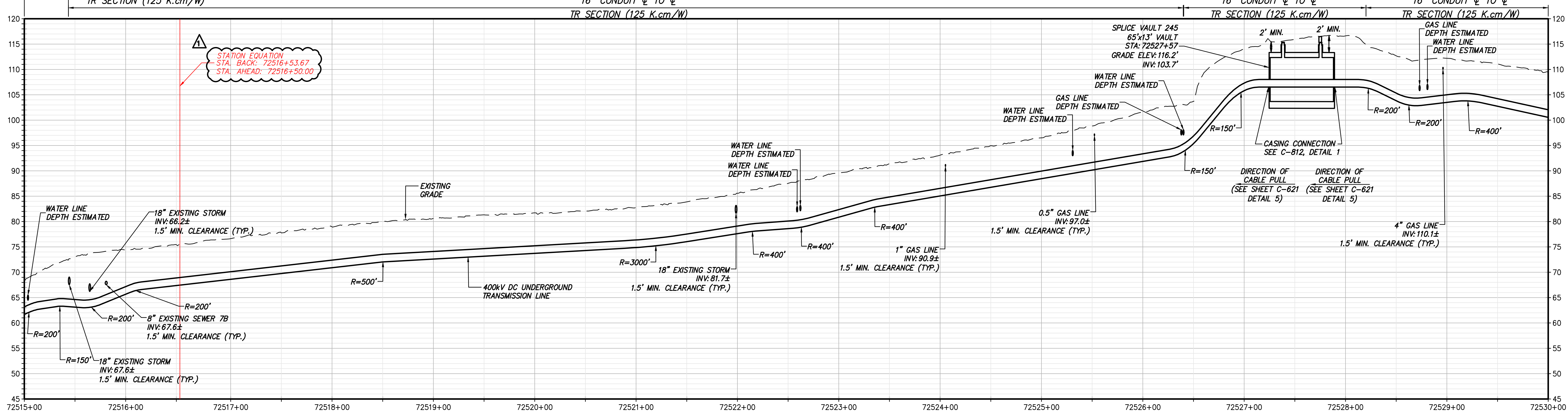
TRENCH SECTION - ROADWAY
(SEE SHEET C-621, DETAIL 3A)
42" DUCTBANK WIDTH,
16" CONDUIT ϕ TO ϕ

TRENCH SECTION - ROADWAY
(SEE SHEET C-621, DETAIL 2A)
42" DUCTBANK WIDTH,
16" CONDUIT ϕ TO ϕ

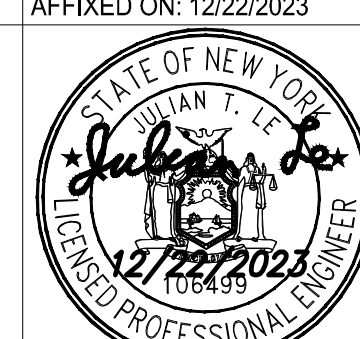
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16" CONDUIT ϕ TO ϕ

TRENCH SECTION - ROADWAY
(SEE SHEET C-621, DETAIL 2A)
42" DUCTBANK WIDTH,
16" CONDUIT ϕ TO ϕ

STA. 72515+00.00 TO STA. 72530+00.00 PLAN VIEW
SCALE: 1" = 50'



STA 72515+00.00 TO 72530+00.00 PROFILE VIEW
SCALE: H: 1" = 50' V: 1" = 10'



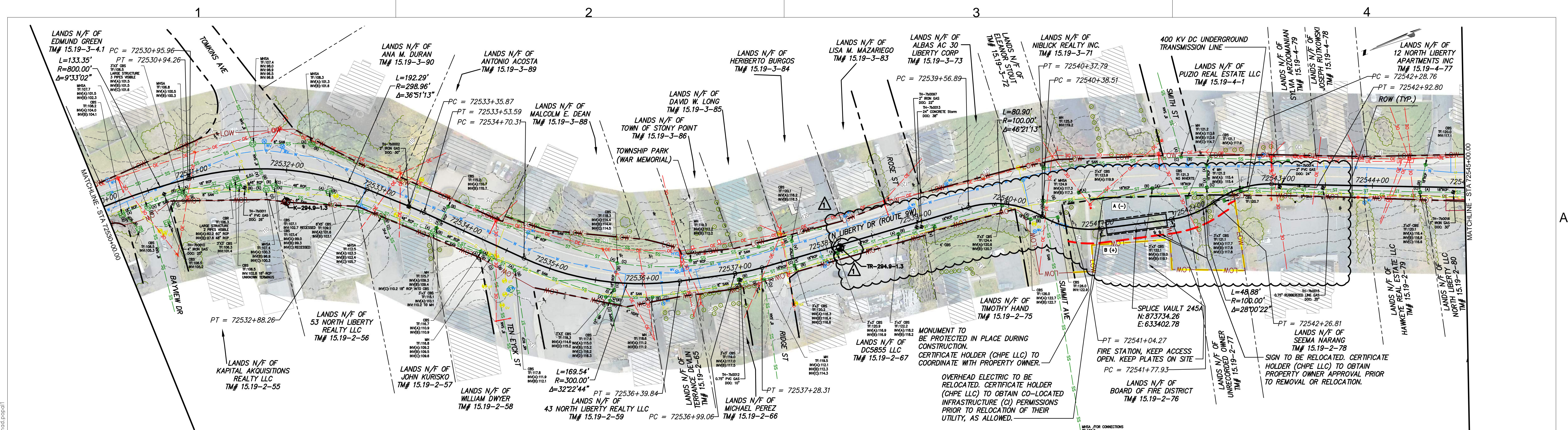
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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
1	12/22/2023	NDC-0022: PARK ROAD ALIGNMENT SHIFT	RB	JL
1	12/22/2023	SUPPLEMENTAL SURVEY DATA UPDATE	RB	JL
0	07/20/2023	ISSUED FOR CONSTRUCTION SUBMISSION	RB	JL

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
STA. 72515+00.00 TO STA. 72530+00.00

DRAWN BY: RB DESIGNED BY: AC APPROVED BY: JL
SCALE: AS SHOWN
DATE: 07/20/2023

PERMIT DRAWING NO. N/A
DRAWING NO. C-102

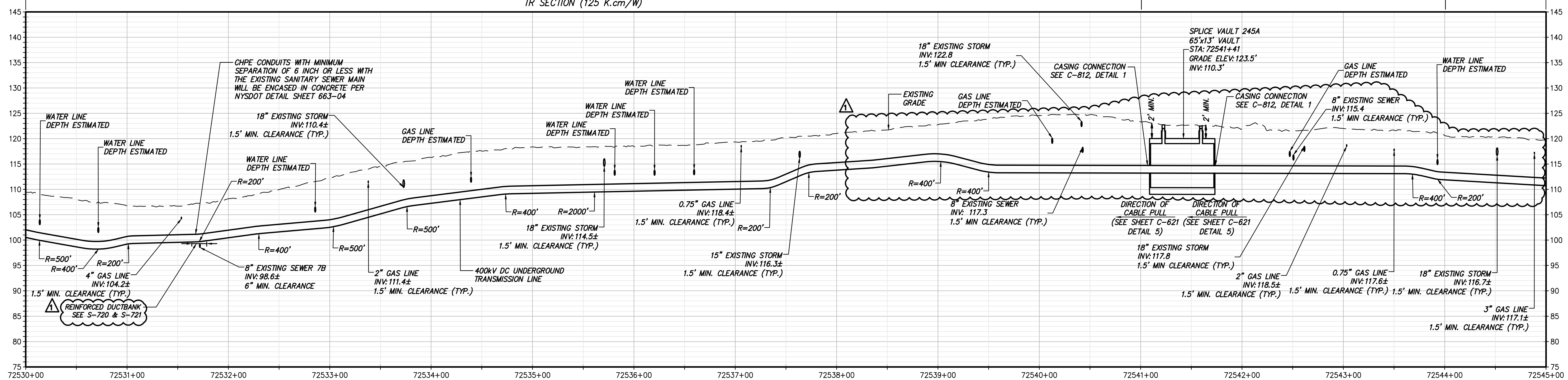


STA. 72530+00.00 TO STA. 72545+00.00 PLAN VIEW

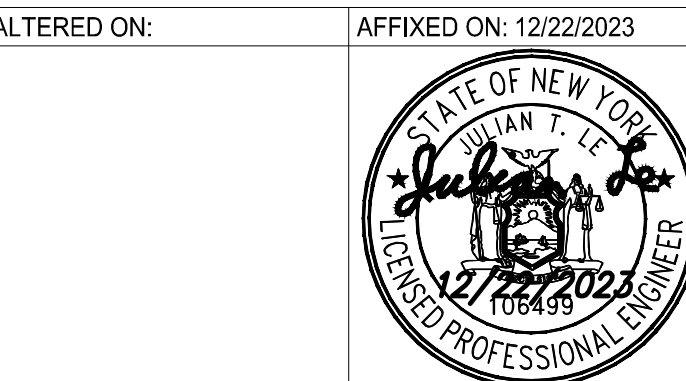
TRENCH SECTION - ROADWAY
(SEE SHEET C-621, DETAIL 2A)
42" DUCTBANK WIDTH,
16" CONDUIT \varnothing TO \varnothing
TR SECTION (125 K.cm/W)

TRENCH SECTION - PAVEMENT
(SEE SHEET C-621, DETAIL 4A)
42" DUCTBANK WIDTH,
16" CONDUIT \varnothing TO \varnothing
TR SECTION (125 K.cm/W)

TRENCH SECTION - ROADWAY
(SEE SHEET C-621, DETAIL 2A)
42" DUCTBANK WIDTH,
16" CONDUIT \varnothing TO \varnothing
TR SECTION (125 K.cm/W)



STA 72530+00.00 TO 72545+00.00 PROFILE VIEW



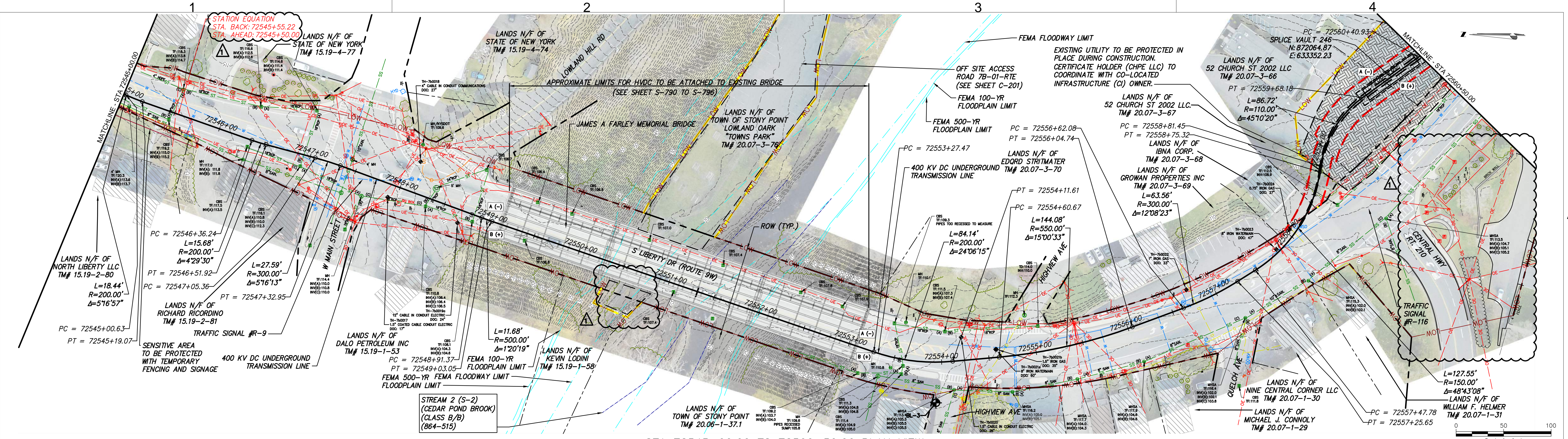
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE 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	12/22/2023	NDC-0045: GEOTECHNICAL BORING LOCATION ADDED	RB	JL
1	12/22/2023	NDC-0021: SV-245A RELOCATION	RB	JL
1	12/22/2023	REINFORCED DUCTBANK LABEL UPDATE	RB	JL
0	07/20/2023	ISSUED FOR CONSTRUCTION SUBMISSION	RB	JL

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
STA. 72530+00.00 TO STA. 72545+00.00

DRAWN BY: RB DESIGNED BY: AC APPROVED BY: JL
SCALE AS SHOWN DATE: 07/20/2023

PERMIT DRAWING NO. N/A
DRAWING NO. C-103

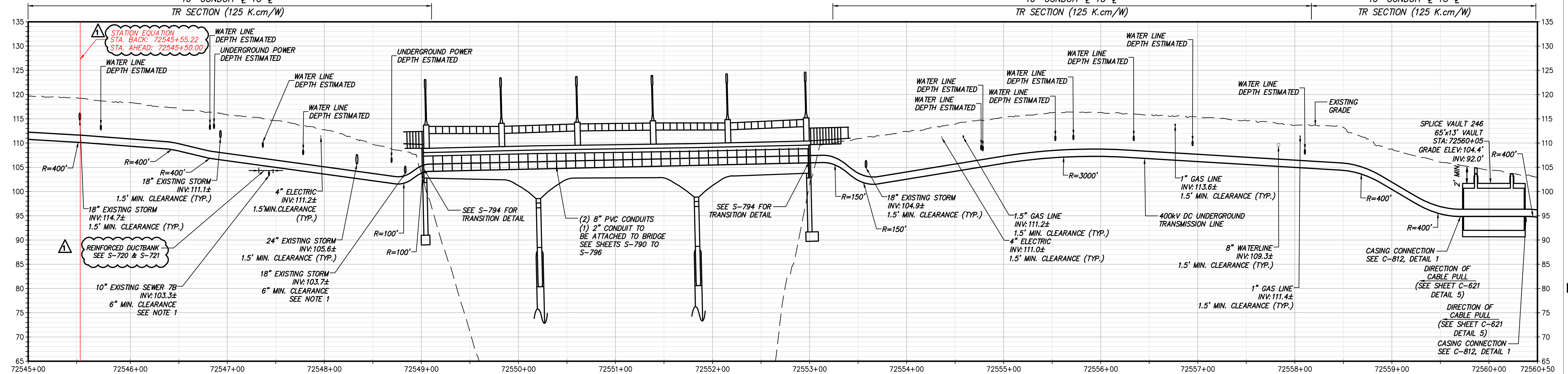


STA 72545+00.00 TO 72560+50.00 PLAN VIEW
SCALE: 1" = 50'

TRENCH SECTION - ROADWAY
(SEE SHEET C-621, DETAIL 2A)
42" DUCTBANK WIDTH,
16" CONDUIT ϕ TO ϕ
TR SECTION (125 K.cm/W)

TRENCH SECTION - ROADWAY
(SEE SHEET C-621, DETAIL 4A)
42" DUCTBANK WIDTH,
16" CONDUIT ϕ TO ϕ
TR SECTION (125 K.cm/W)

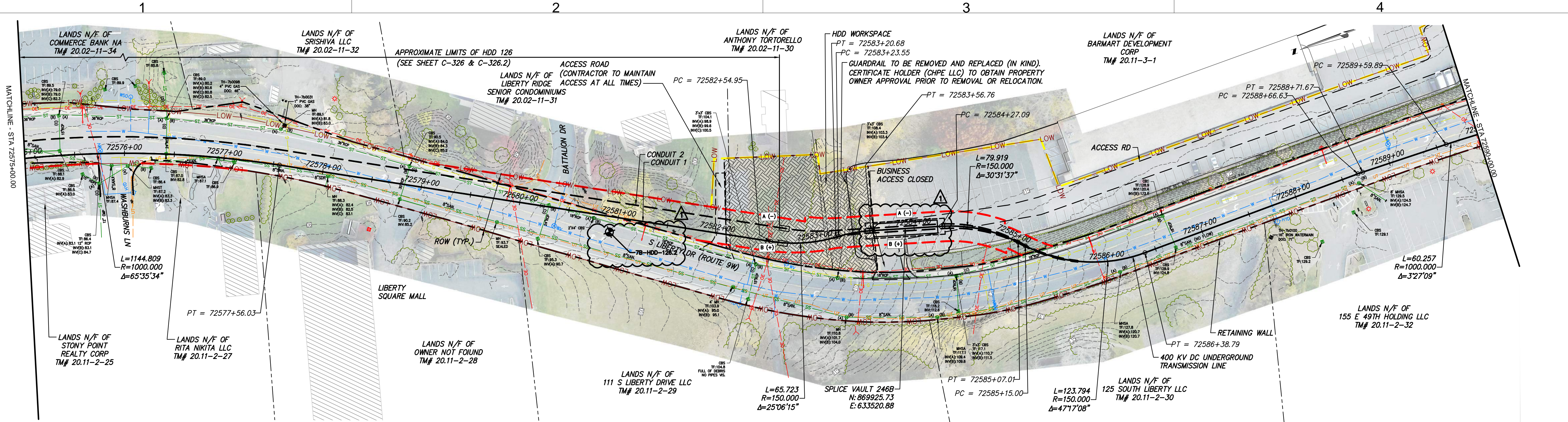
TRENCH SECTION - PAVEMENT
(SEE SHEET C-621, DETAIL 4A)
42" DUCTBANK WIDTH,
16" CONDUIT ϕ TO ϕ
TR SECTION (125 K.cm/W)



STA 72545+00.00 TO 72560+50.00 PROFILE VIEW
SCALE: H: 1" = 50' V: 1" = 10'

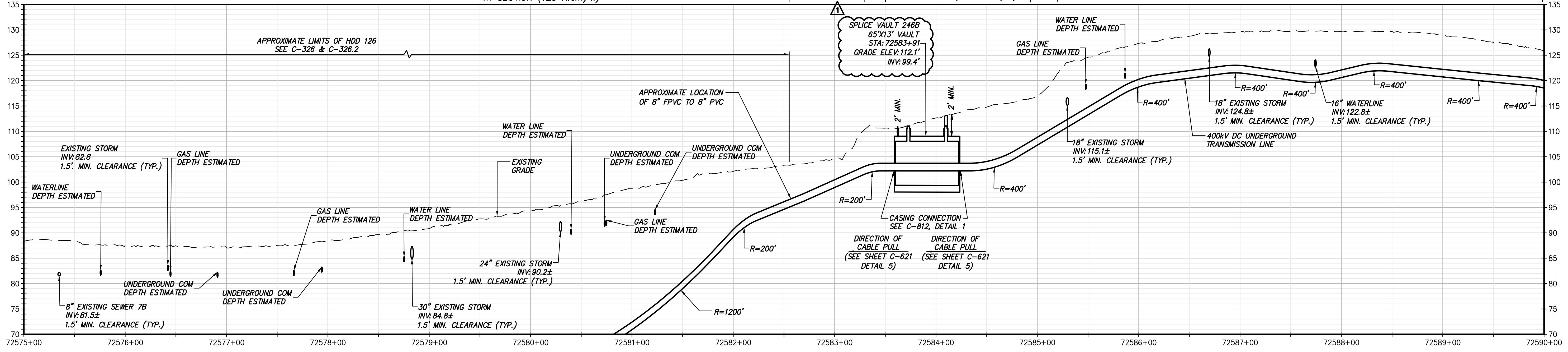
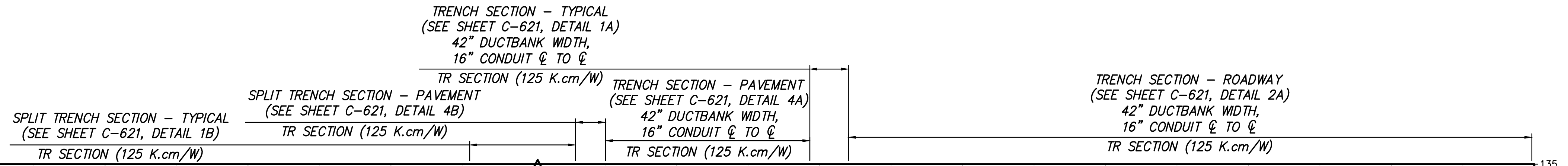
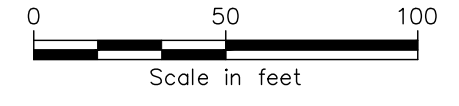
NOTES:
1. CHPE CONDUITS WITH MINIMUM SEPARATION OF 6" OR LESS WITH THE EXISTING SANITARY SEWER MAIN OR STORM SEWER WILL BE ENCASED IN CONCRETE PER NYS DOT DETAIL SHEET 663-04.

<p>Champlain Hudson Power Express</p>	PROJECT NO.: 21162	PROJECT NO.: 204-3701	ALTERED ON:	AFFIXED ON: 12/22/2023	<p>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.</p>	<p>CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND STA. 72545+00.00 TO STA. 72560+50.00</p>		PERMIT DRAWING NO. N/A																					
	<p>Kiewit</p>	<p>TETRA TECH TETRA TECH ENGINEERING AND SURVEYING P.C. (A NEW YORK PROFESSIONAL CORPORATION)</p>	<p>NO. DATE SUBMITTAL / REVISION DESCRIPTION DB APP</p> <table border="1"> <tr><td>1</td><td>12/22/2023</td><td>NDC-0021: SV 245A RELOCATION</td><td>RB</td><td>JL</td></tr> <tr><td>1</td><td>12/22/2023</td><td>NDC-0031: STONY POINT PROPERTY LOW UPDATE</td><td>RB</td><td>JL</td></tr> <tr><td>1</td><td>12/22/2023</td><td>SUPPLEMENTAL SURVEY DATA ADDED</td><td>RB</td><td>JL</td></tr> <tr><td>1</td><td>12/22/2023</td><td>REINFORCED DUCTBANK LABEL UPDATE</td><td>RB</td><td>JL</td></tr> <tr><td>0</td><td>07/20/2023</td><td>ISSUED FOR CONSTRUCTION SUBMISSION</td><td>RB</td><td>JL</td></tr> </table>			1	12/22/2023	NDC-0021: SV 245A RELOCATION	RB	JL	1	12/22/2023	NDC-0031: STONY POINT PROPERTY LOW UPDATE	RB	JL	1	12/22/2023	SUPPLEMENTAL SURVEY DATA ADDED	RB	JL	1	12/22/2023	REINFORCED DUCTBANK LABEL UPDATE	RB	JL	0	07/20/2023	ISSUED FOR CONSTRUCTION SUBMISSION	RB
1	12/22/2023	NDC-0021: SV 245A RELOCATION	RB	JL																									
1	12/22/2023	NDC-0031: STONY POINT PROPERTY LOW UPDATE	RB	JL																									
1	12/22/2023	SUPPLEMENTAL SURVEY DATA ADDED	RB	JL																									
1	12/22/2023	REINFORCED DUCTBANK LABEL UPDATE	RB	JL																									
0	07/20/2023	ISSUED FOR CONSTRUCTION SUBMISSION	RB	JL																									
<p>SCALE AS SHOWN DATE: 07/20/2023</p>						<p>DRAWN BY: RB DESIGNED BY: AC APPROVED BY: JL</p>																							



STA. 72575+00.00 TO STA. 72590+00.00 PLAN VIEW

SCALE: 1" = 50'



STA. 72575+00.00 TO STA. 72590+00.00 PROFILE VIEW

SCALE: H: 1" = 50' V: 1" = 10'

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PROJECT NO.: 21162



PROJECT NO.: 204-3701



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

ALTERED ON:

AFFIXED ON: 12/22/2023



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 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	12/22/2023	NDC-0045: GEOTECHNICAL BORING LOCATION ADDED	RB	JL
1	12/22/2023	LINK BOX REMOVED	RB	JL
0	07/20/2023	ISSUED FOR CONSTRUCTION SUBMISSION	RB	JL

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
STA. 72575+00.00 TO STA. 72590+00.00

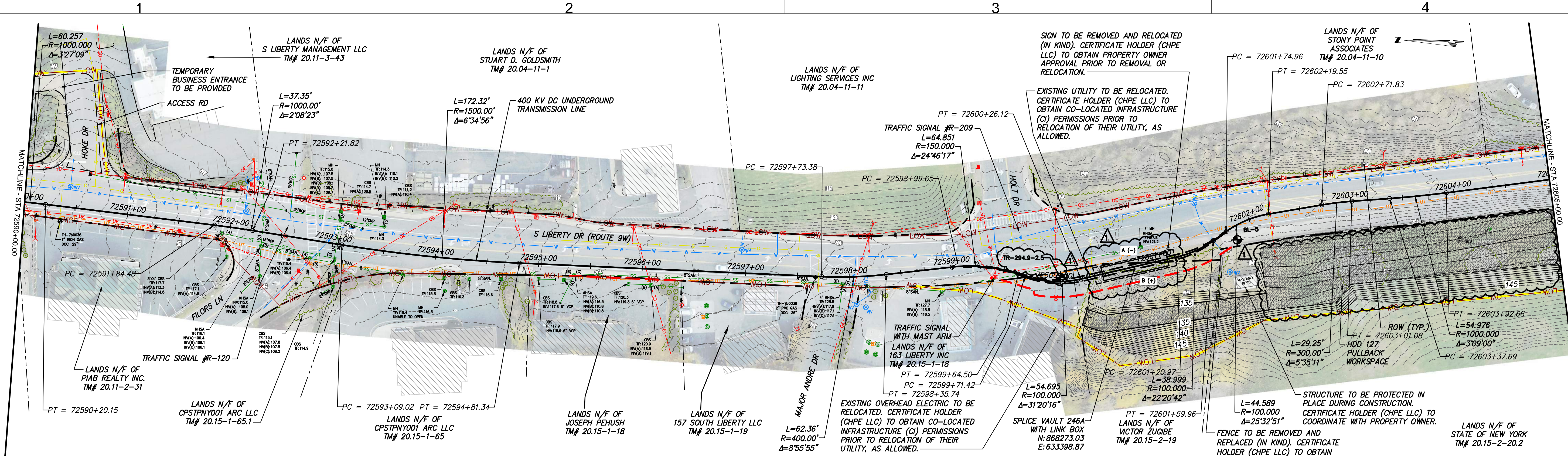
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DRAWING NO.

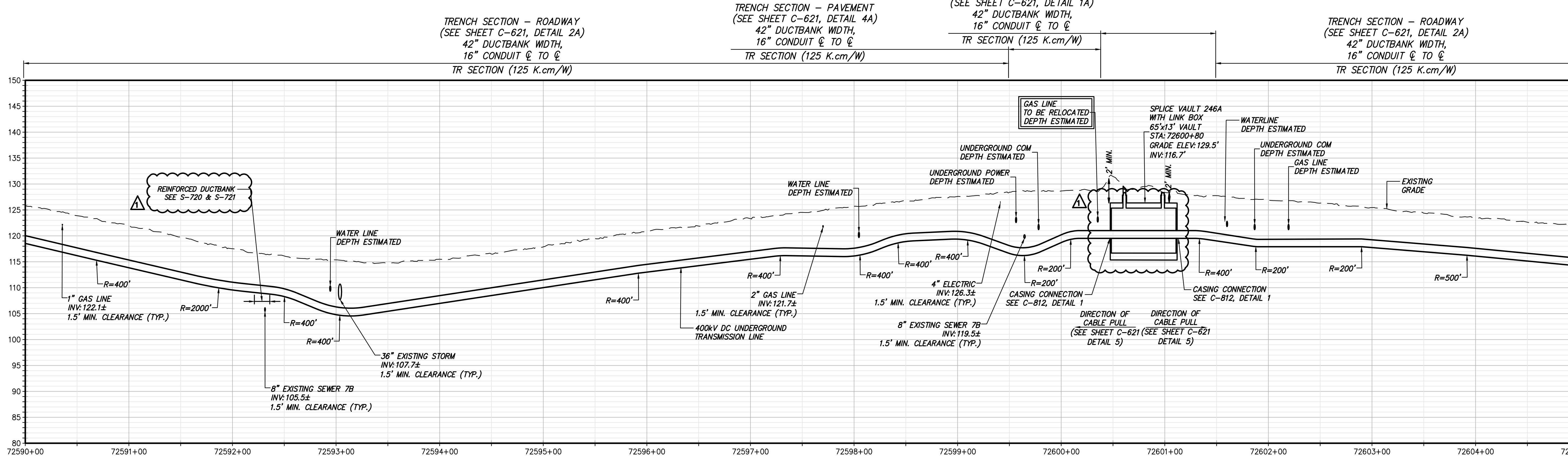
C-106

DRAWN BY: RB DESIGNED BY: AC APPROVED BY: JL SCALE AS SHOWN DATE: 07/20/2023



STA. 72590+00.00 TO STA. 72605+00.00 PROFILE VIEW

SCALE: 1" = 50'



STA. 72590+00.00 TO STA. 72605+00.00 PROFILE VIEW

SCALE: H: 1" = 50' V: 1" = 10'



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



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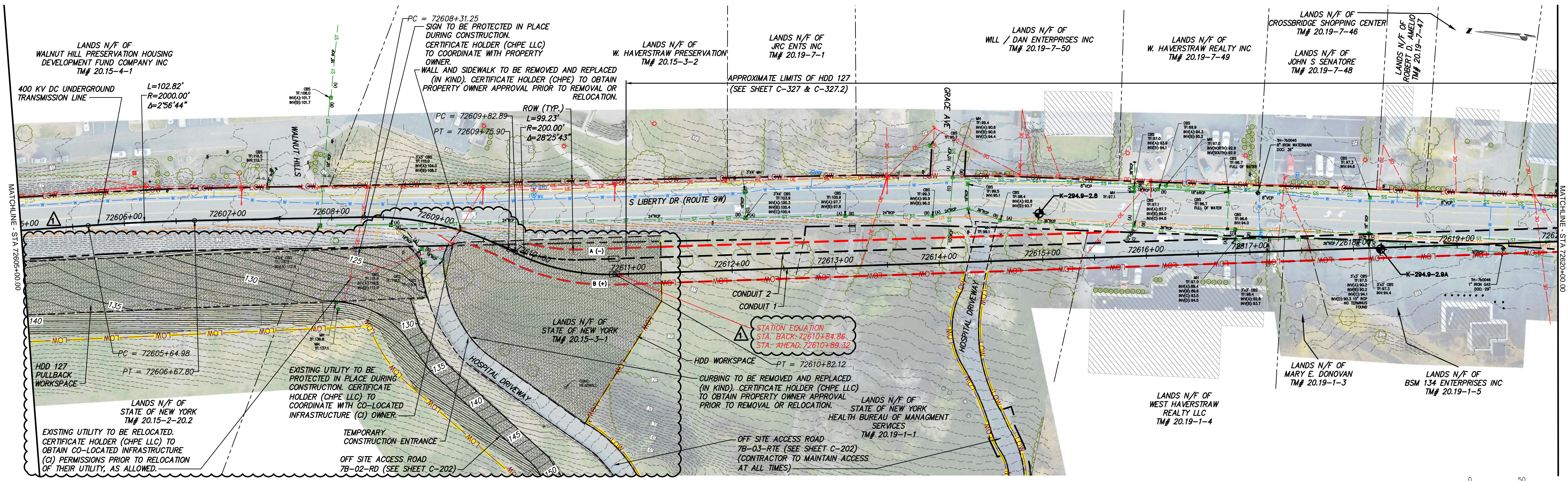
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
1	12/22/2023	NDC-0045: GEOTECHNICAL BORING LOCATION ADDED	RB	JL
1	12/22/2023	GRAVEL WORKING SURFACE ADDED	RB	JL
1	12/22/2023	LINK BOX ADDED	RB	JL
1	12/22/2023	REINFORCED DUCTBANK LABEL UPDATE	RB	JL
0	07/20/2023	ISSUED FOR CONSTRUCTION SUBMISSION	RB	JL

**CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
STA. 72590+00.00 TO STA. 72605+00.00**

PERMIT DRAWING NO. N/A
DRAWING NO. C-107

SCALE AS SHOWN
DATE: 07/20/2023
DRAWN BY: RB DESIGNED BY: AC APPROVED BY: JL

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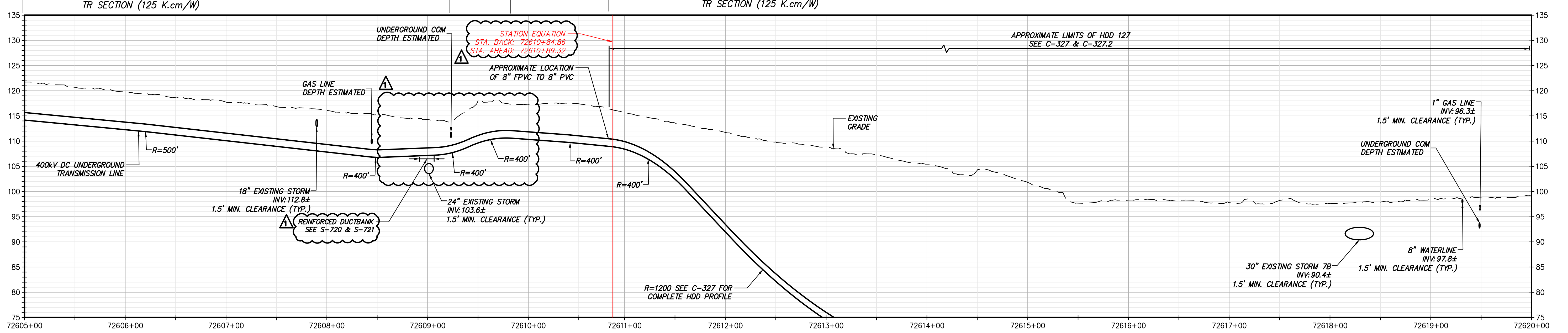


STA. 72605+00.00 TO STA. 72620+00.00 PLAN VIEW
SCALE: 1" = 50'

TRENCH SECTION - ROADWAY
(SEE SHEET C-621, DETAIL 2A)
42" DUCTBANK WIDTH,
16" CONDUIT ϕ TO ϕ
TR SECTION (125 K.cm/W)

TRENCH SECTION - PAVEMENT
(SEE SHEET C-621, DETAIL 4A)
42" DUCTBANK WIDTH,
16" CONDUIT ϕ TO ϕ
TR SECTION (125 K.cm/W)

SPLIT TRENCH SECTION - TYPICAL
(SEE SHEET C-621, DETAIL 1B)
TR SECTION (125 K.cm/W)



STA. 72605+00.00 TO STA. 72620+00.00 PROFILE VIEW
SCALE: H: 1" = 50' V: 1" = 10'



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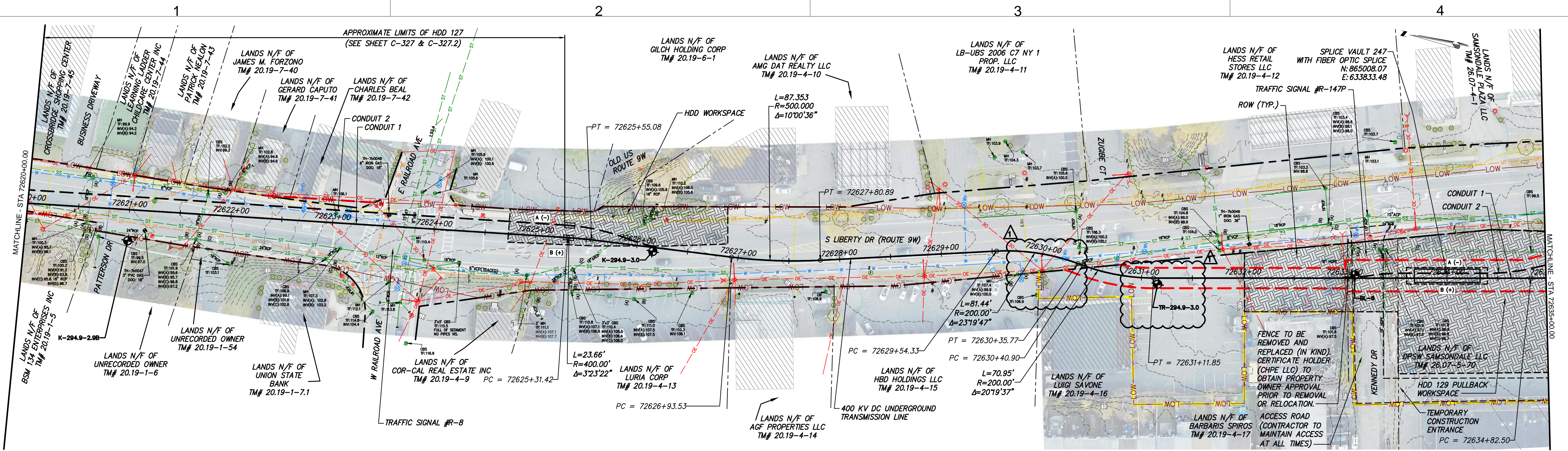
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
1	12/22/2023	GRAVEL WORKING SURFACE ADDED	RB	JL
1	12/22/2023	NDC-0023: HOSPITAL BORE REMOVED	RB	JL
1	12/22/2023	REINFORCED DUCTBANK LABEL UPDATE	RB	JL
0	07/20/2023	ISSUED FOR CONSTRUCTION SUBMISSION	RB	JL

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
STA. 72605+00.00 TO STA. 72620+00.00

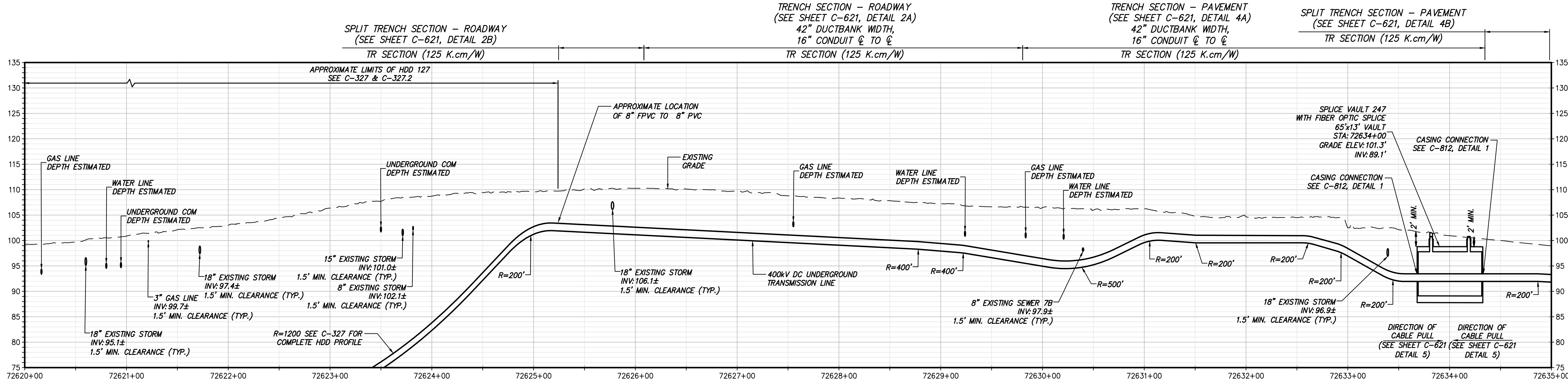
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N/A
DRAWING NO.
C-108

DRAWN BY: RB DESIGNED BY: AC APPROVED BY: JL
SCALE AS SHOWN
DATE: 07/20/2023

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STA. 72620+00.00 TO STA. 72635+00.00 PLAN VIEW
SCALE: 1" = 50'



STA. 72620+00.00 TO STA. 72635+00.00 PROFILE VIEW
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.

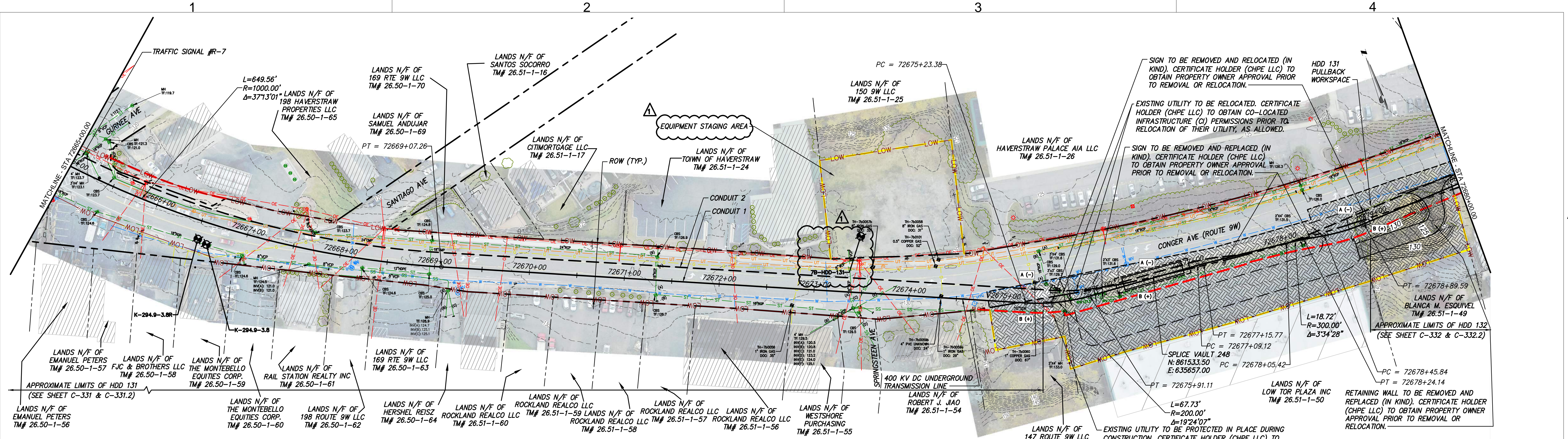
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
1	12/22/2023	NDC-0045: GEOTECHNICAL BORING LOCATION ADDED	RB	JL
1	12/22/2023	NDC-0031: LOW LIMITS ADJUSTED TO PROPERTY LINE	RB	JL
0	07/20/2023	ISSUED FOR CONSTRUCTION SUBMISSION	RB	JL

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
STA. 72620+00.00 TO STA. 72635+00.00

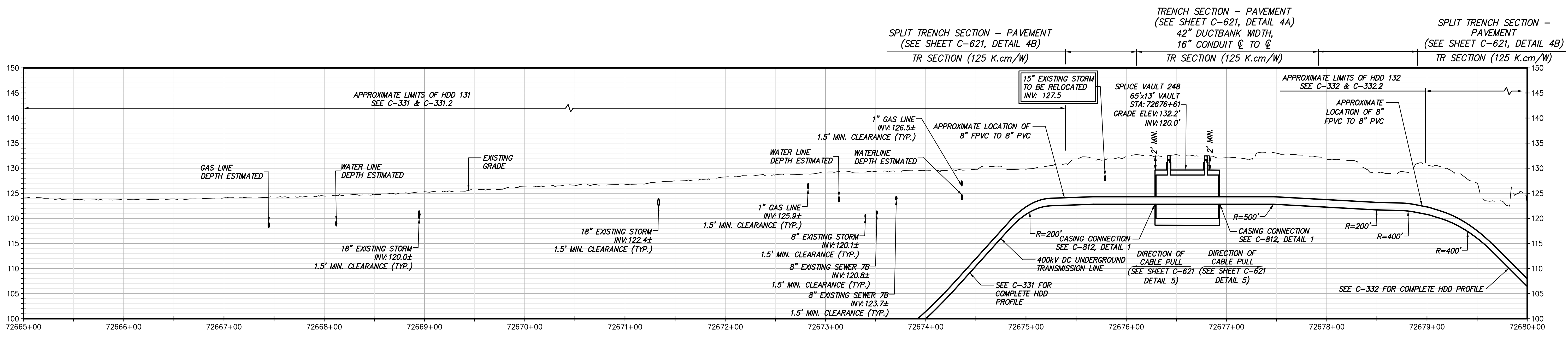
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DRAWING NO. C-109

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STA. 72665+00.00 TO STA. 72680+00.00 PLAN VIEW
SCALE: 1" = 50'



STA. 72665+00.00 TO STA. 72680+00.00 PROFILE VIEW
SCALE: H: 1" = 50' V: 1" = 10'

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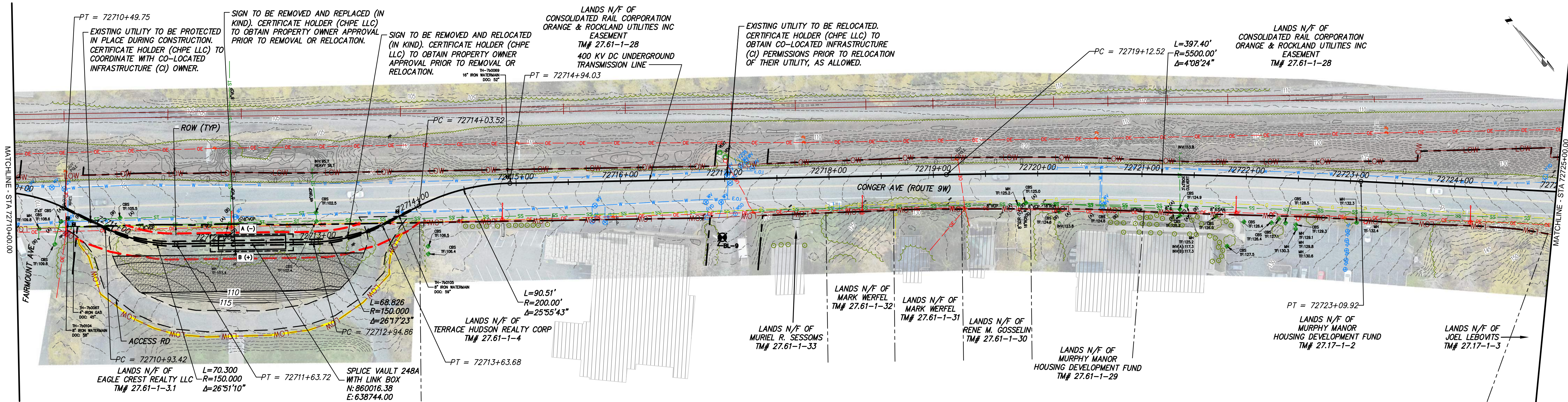
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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
1	12/22/2023	NDC-0045: GEOTECHNICAL BORING LOCATION ADDED	RB	JL
1	12/22/2023	NDC-0030: EQUIPMENT STAGING AREA LABEL ADDED	RB	JL
0	07/20/2023	ISSUED FOR CONSTRUCTION SUBMISSION	RB	JL

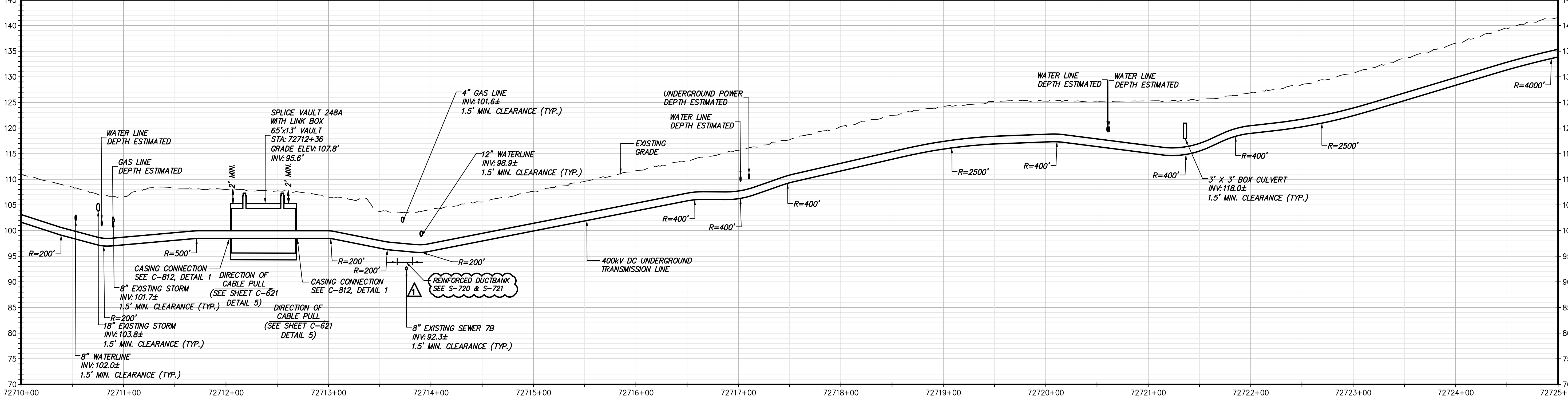
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
 STA. 72665+00.00 TO STA. 72680+00.00

SCALE AS SHOWN
 DATE: 07/20/2023

PERMIT DRAWING NO.	N/A
DRAWING NO.	C-112

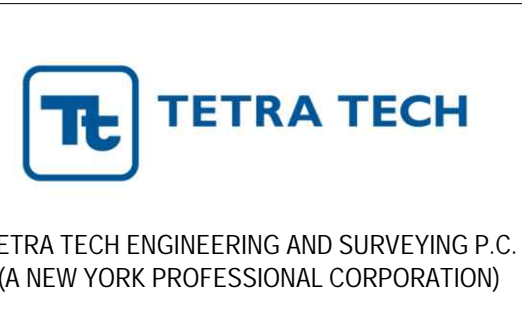


STA. 72710+00.00 TO STA. 72725+00.00 PLAN VIEW
SCALE: 1" = 50'



STA. 72710+00.00 TO STA. 72725+00.00 PROFILE VIEW
SCALE: H: 1" = 50' V: 1" = 10'

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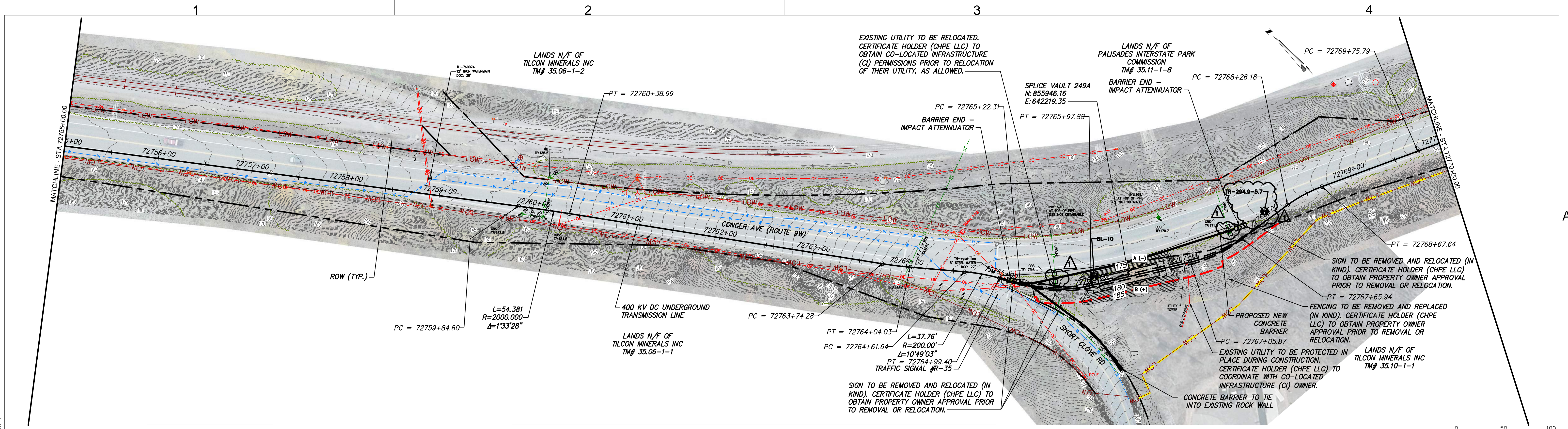
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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
1	12/22/2023	REINFORCED DUCTBANK LABEL UPDATE	RB	JL
0	07/20/2023	ISSUED FOR CONSTRUCTION SUBMISSION	RB	JL

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
STA. 72710+00.00 TO STA. 72725+00.00

DRAWN BY: RB DESIGNED BY: AC APPROVED BY: JL SCALE AS SHOWN DATE: 07/20/2023

PERMIT DRAWING NO. N/A
DRAWING NO. C-115

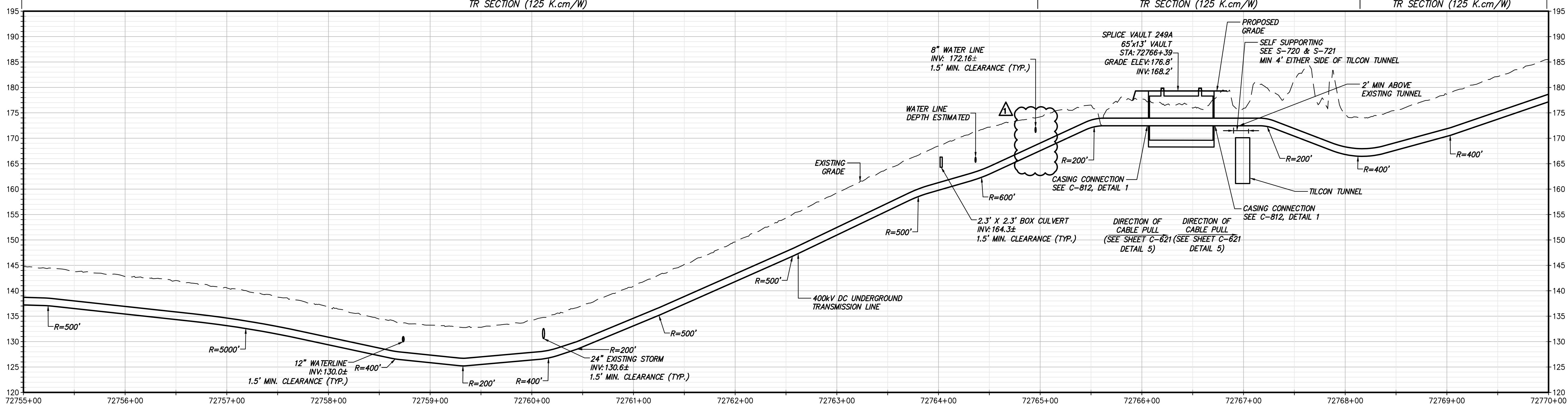


STA. 72755+00.00 TO STA. 72770+00.00 PLAN VIEW

TRENCH SECTION - ROADWAY
(SEE SHEET C-621, DETAIL 2A)
42" DUCTBANK WIDTH,
16" CONDUIT ϕ TO ϕ
TR SECTION (125 K.cm/W)

TRENCH SECTION - TYPICAL
(SEE SHEET C-621, DETAIL 1A)
42" DUCTBANK WIDTH,
16" CONDUIT ϕ TO ϕ
TR SECTION (125 K.cm/W)

TRENCH SECTION - ROADWAY
(SEE SHEET C-621, DETAIL 2A)
42" DUCTBANK WIDTH,
16" CONDUIT ϕ TO ϕ
TR SECTION (125 K.cm/W)



STA. 72755+00.00 TO STA. 72770+00.00 PROFILE VIEW

SCALE: H: 1" = 50' V: 1" = 10'

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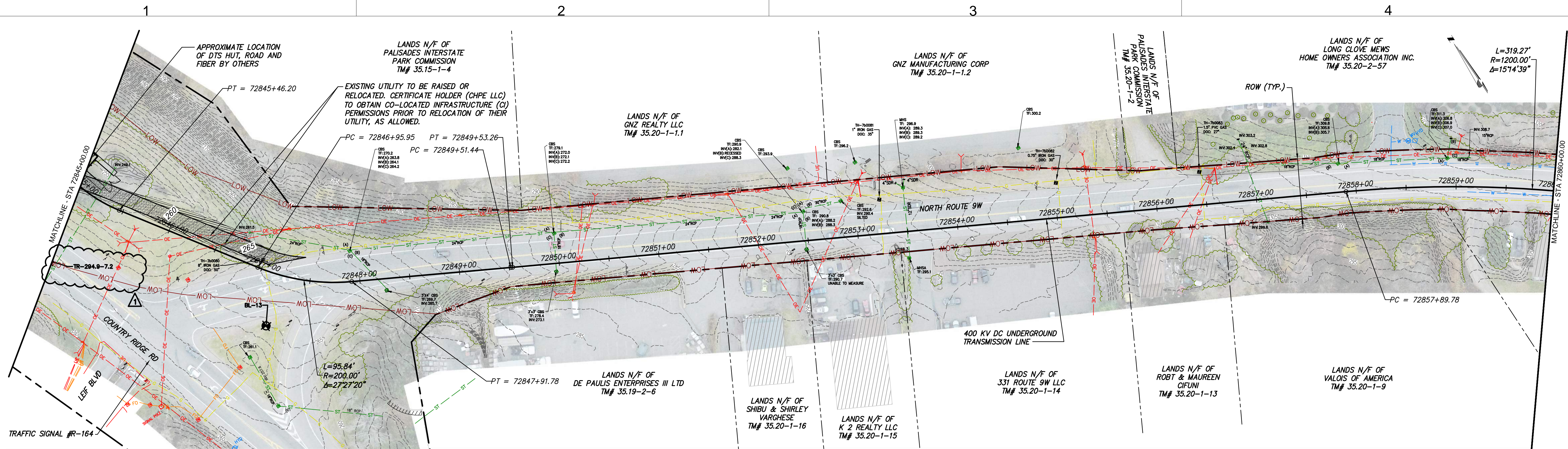
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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
1	12/22/2023	NDC-0045: GEOTECHNICAL BORING LOCATION ADDED	RB	JL
1	12/22/2023	NDC-0030: CATCH BASINS ADDED	RB	JL
1	12/22/2023	PROFILE UPDATED PER NEW TEST PIT	RB	JL
0	07/20/2023	ISSUED FOR CONSTRUCTION SUBMISSION	RB	JL

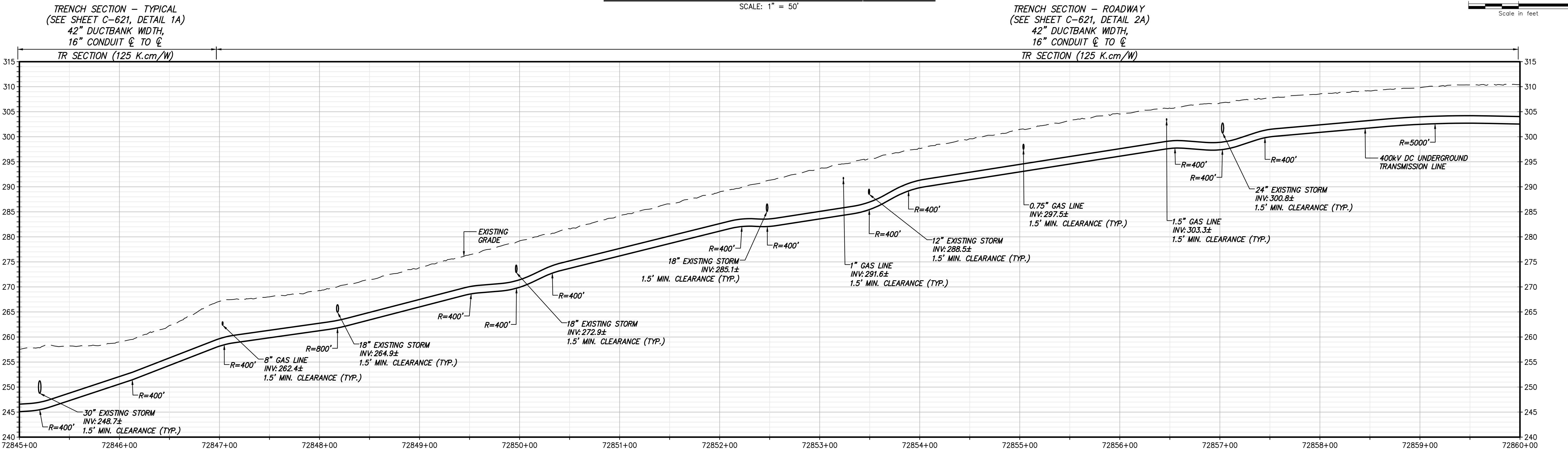
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
STA. 72755+00.00 TO STA. 72770+00.00

DRAWN BY: RB DESIGNED BY: AC APPROVED BY: JL
SCALE AS SHOWN
DATE: 07/20/2023

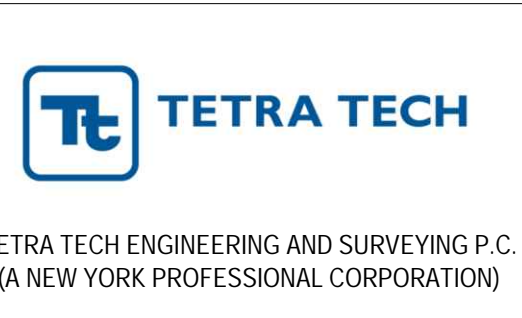
PERMIT DRAWING NO. N/A
DRAWING NO. C-118



STA. 72845+00.00 TO STA. 72860+00.00 PLAN VIEW
SCALE: 1" = 50'



STA. 72845+00.00 TO STA. 72860+00.00 PROFILE VIEW
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.

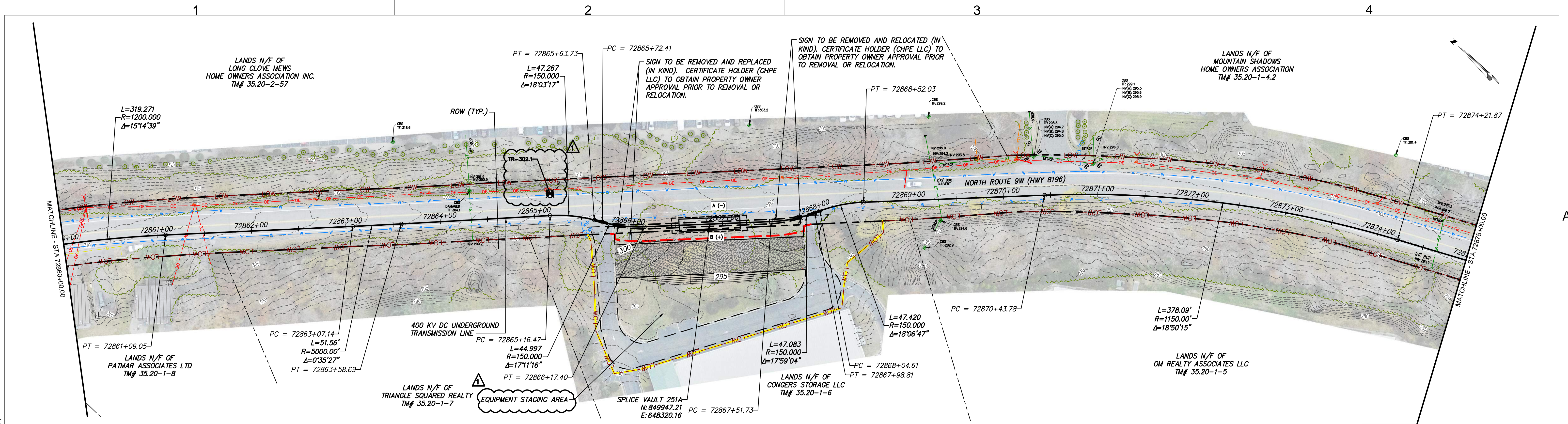
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
1	12/22/2023	NDC-0045: GEOTECHNICAL BORING LOCATION ADDED	RB	JL
0	07/20/2023	ISSUED FOR CONSTRUCTION SUBMISSION	RB	JL

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
 STA. 72845+00.00 TO STA. 72860+00.00

DRAWN BY: RB DESIGNED BY: AC APPROVED BY: JL
 SCALE AS SHOWN DATE: 07/20/2023

PERMIT DRAWING NO. N/A
 DRAWING NO. C-124

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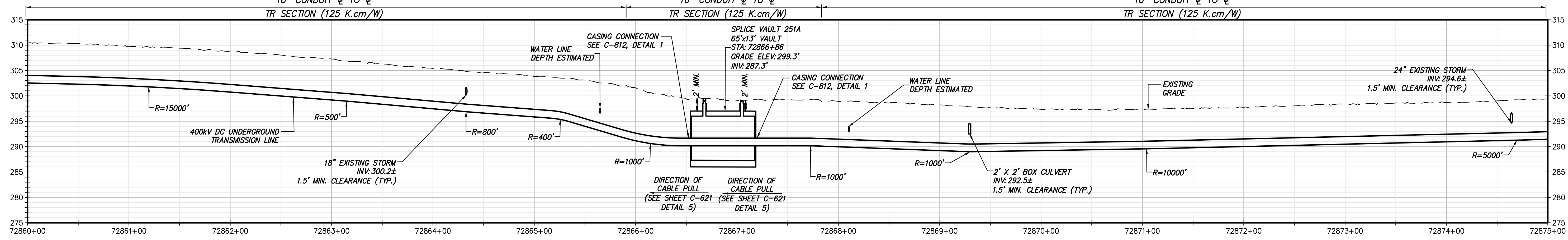


STA. 72860+00.00 TO STA. 72875+00.00 PLAN VIEW
SCALE: 1" = 50'

TRENCH SECTION - ROADWAY
(SEE SHEET C-621, DETAIL 2A)
42" DUCTBANK WIDTH,
16" CONDUIT ϕ TO ϕ
TR SECTION (125 K.cm/W)

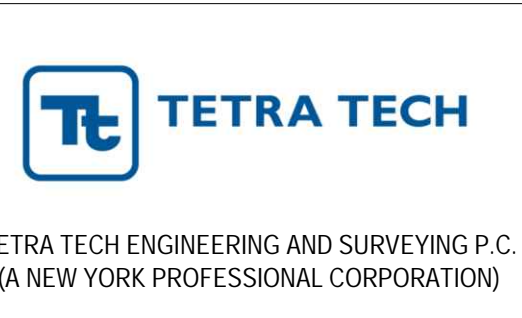
TRENCH SECTION - TYPICAL
(SEE SHEET C-621, DETAIL 1A)
42" DUCTBANK WIDTH,
16" CONDUIT ϕ TO ϕ
TR SECTION (125 K.cm/W)

TRENCH SECTION - ROADWAY
(SEE SHEET C-621, DETAIL 2A)
42" DUCTBANK WIDTH,
16" CONDUIT ϕ TO ϕ
TR SECTION (125 K.cm/W)



STA. 72860+00.00 TO STA. 72875+00.00 PROFILE VIEW
SCALE: H: 1" = 50' V: 1" = 10'

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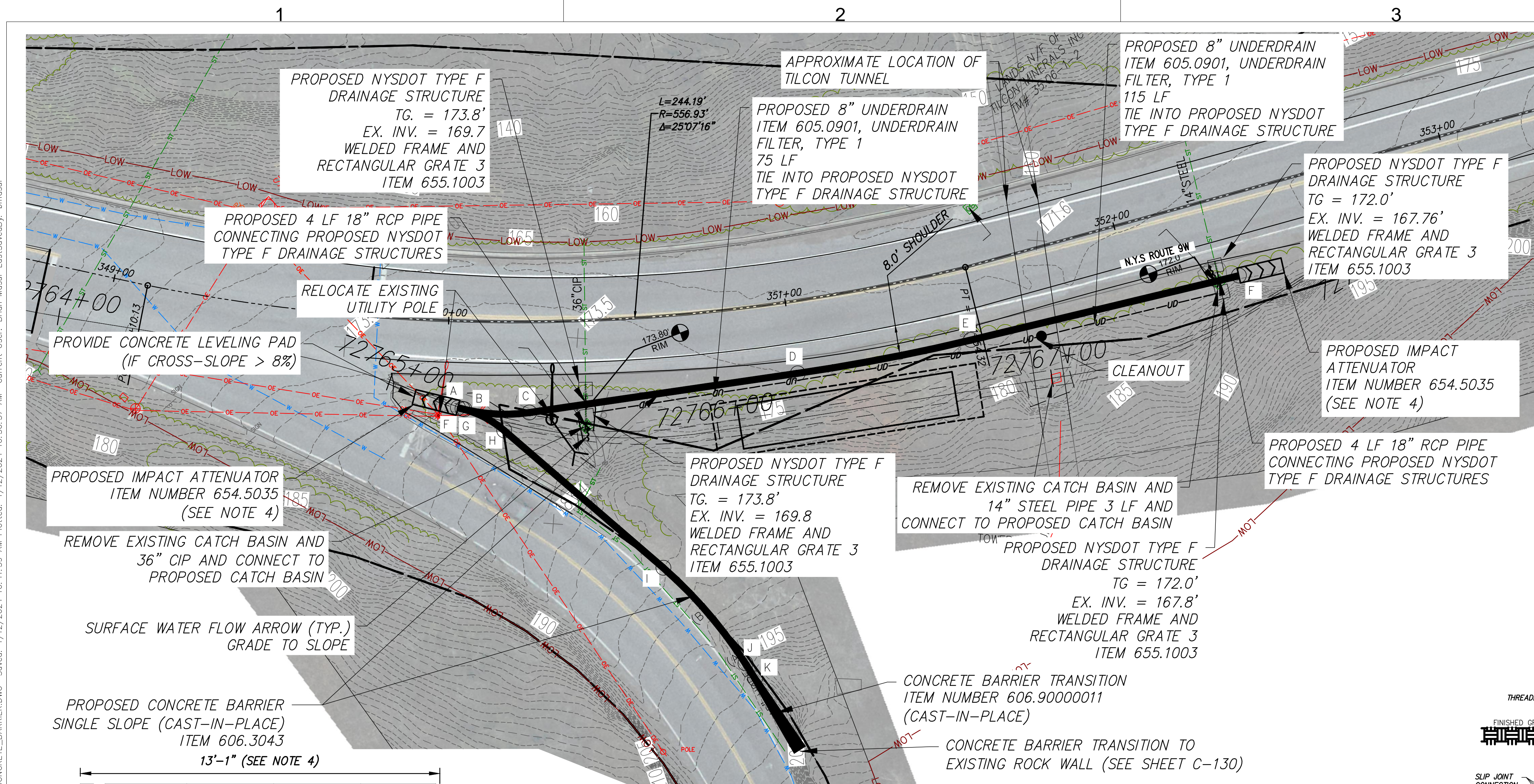
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE 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	12/22/2023	NDC-0045: GEOTECHNICAL BORING LOCATION ADDED	RB	JL
1	12/22/2023	NDC-0030: EQUIPMENT STAGING AREA LABEL ADDED	RB	JL
0	07/20/2023	ISSUED FOR CONSTRUCTION SUBMISSION	RB	JL

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
STA. 72860+00.00 TO STA. 72875+00.00

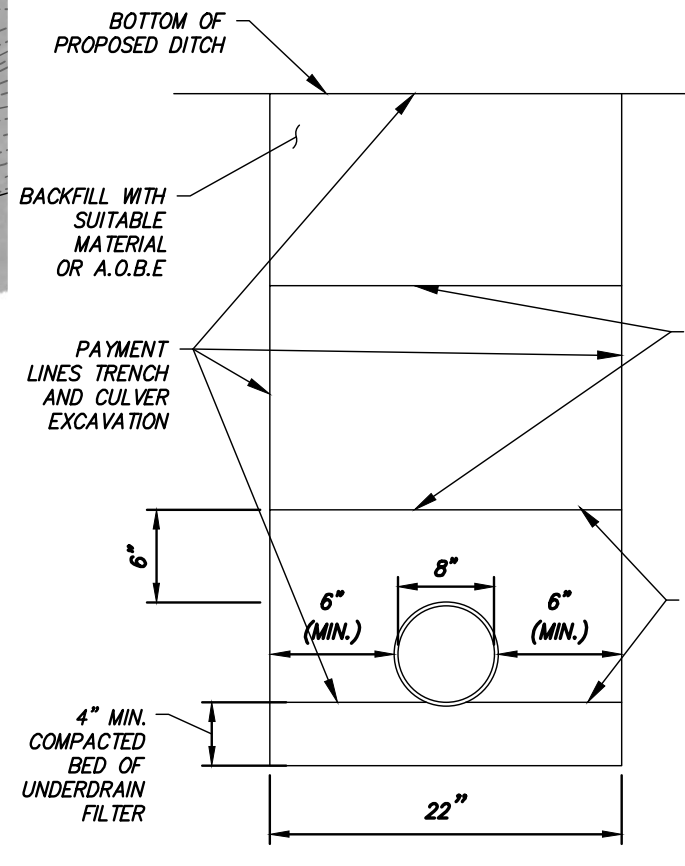
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PERMIT DRAWING NO.	N/A
DRAWING NO.	C-125

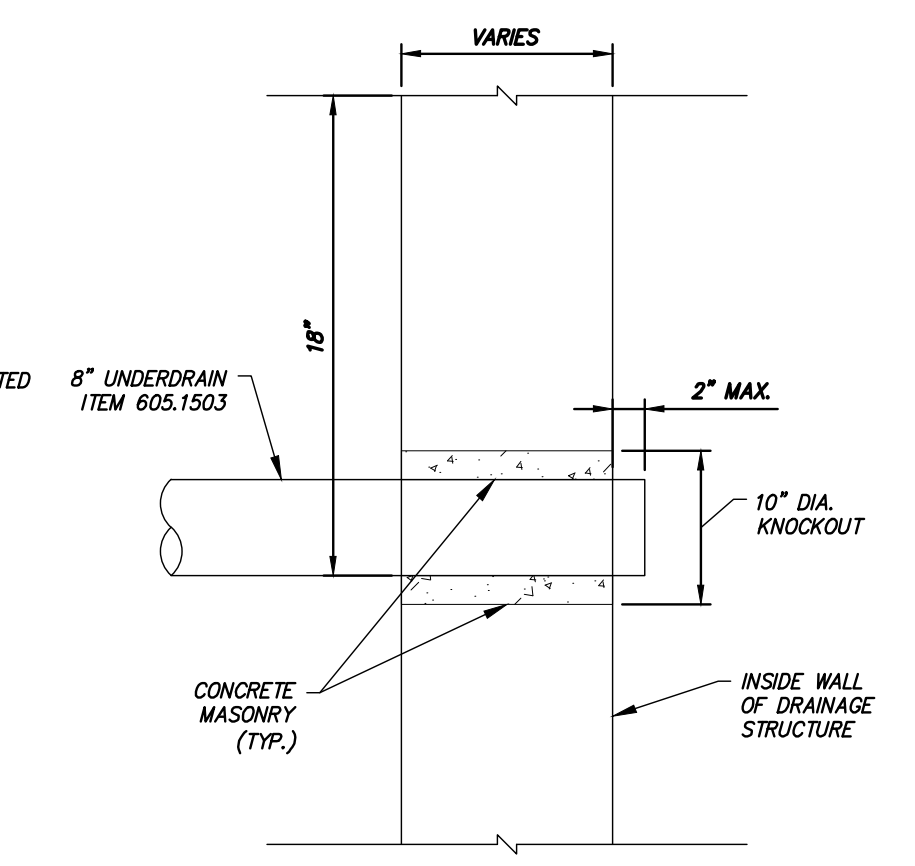


ROUTE 9W CONCRETE BARRIER GEOMETRY						
SEGMENT	TYPE	START STATION	OFFSET (FT.)	END STATION	OFFSET (FT.)	RADIUS (FT.)
AB	TAN	350+03.45	25.71	350+05.3	26.13	-
BC	ARC	350+05.3	26.13	350+23.7	26.89	50.00
CD	TANGENT	350+23.7	26.89	351+00.7	21.33	-
DE	ARC	351+00.7	21.33	351+51.2	21.33	578.27
EF	TANGENT	351+51.2	21.33	352+31.8	23.93	-

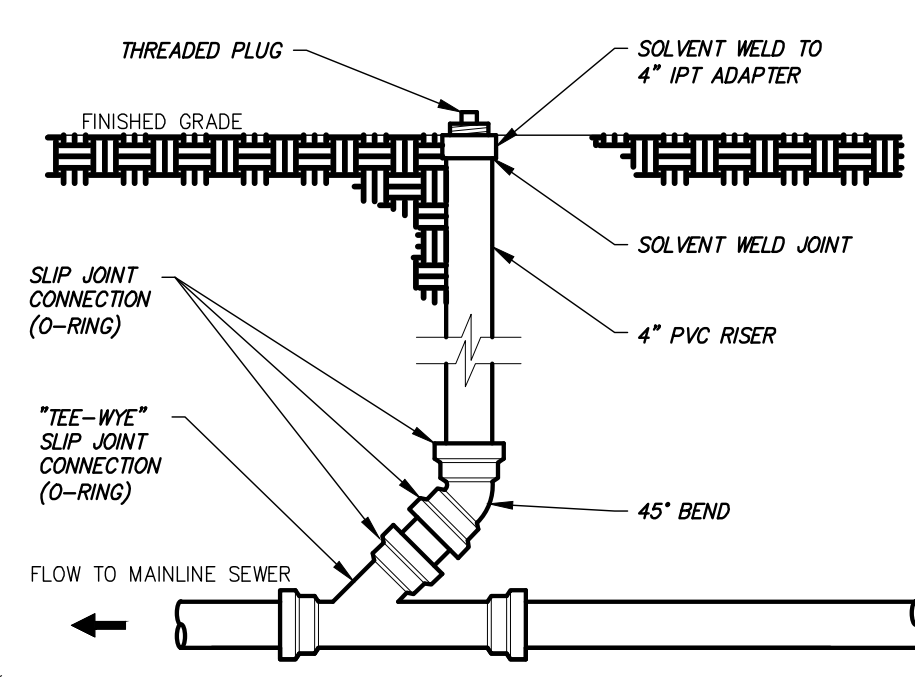
SHORT CLOVE RD CONCRETE BARRIER GEOMETRY						
SEGMENT	TYPE	START STATION	OFFSET (FT.)	END STATION	OFFSET (FT.)	RADIUS (FT.)
FG	TANGENT	350+03.5	25.71	350+04.8	26.00	-
GH	ARC	350+04.8	26.00	350+16.6	32.21	30.00
HI	TANGENT	350+16.6	32.21	350+58.5	74.40	-
IJ	ARC	350+58.5	74.40	350+77.2	104.71	125.00
JK	TANGENT	350+77.2	104.71	350+79.2	109.48	-



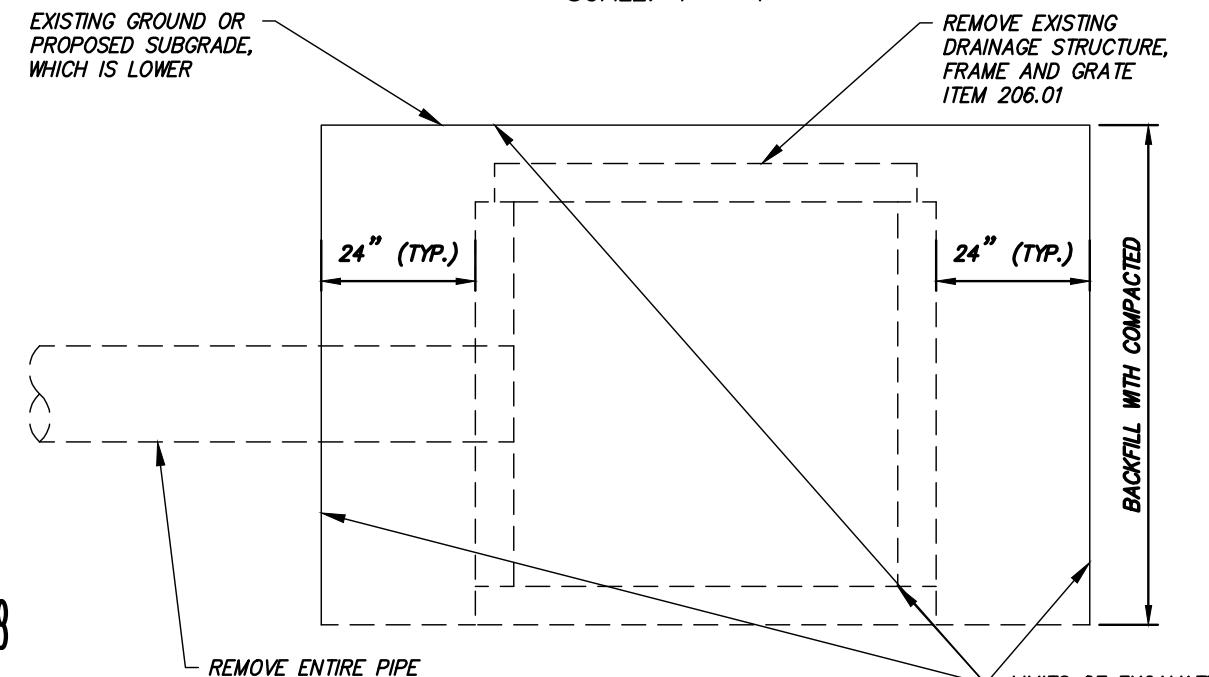
UNDERDRAIN DETAIL
SCALE: 1" = 1'



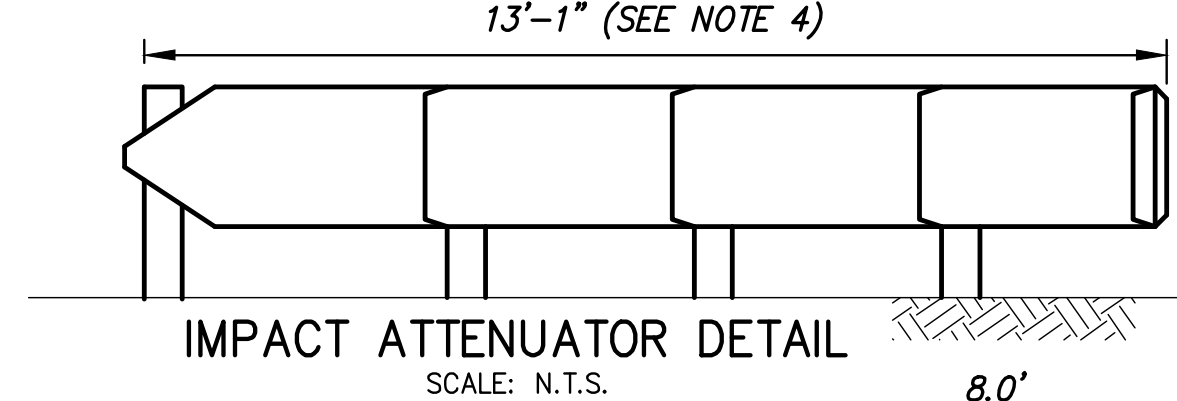
TYPICAL UNDERDRAIN INSTALLATION DETAIL INTO DRAINAGE STRUCTURES
SCALE: 1" = 1'



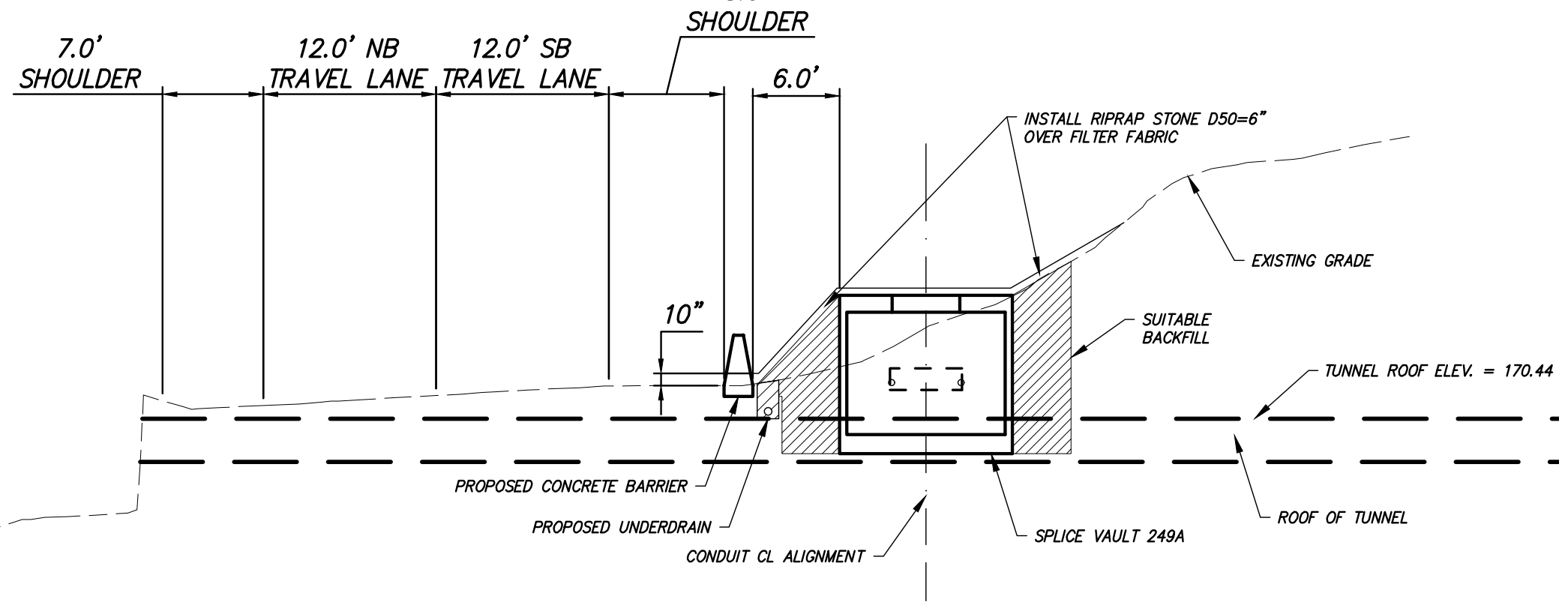
UNDERDRAIN CLEANOUT
SCALE: N.T.S



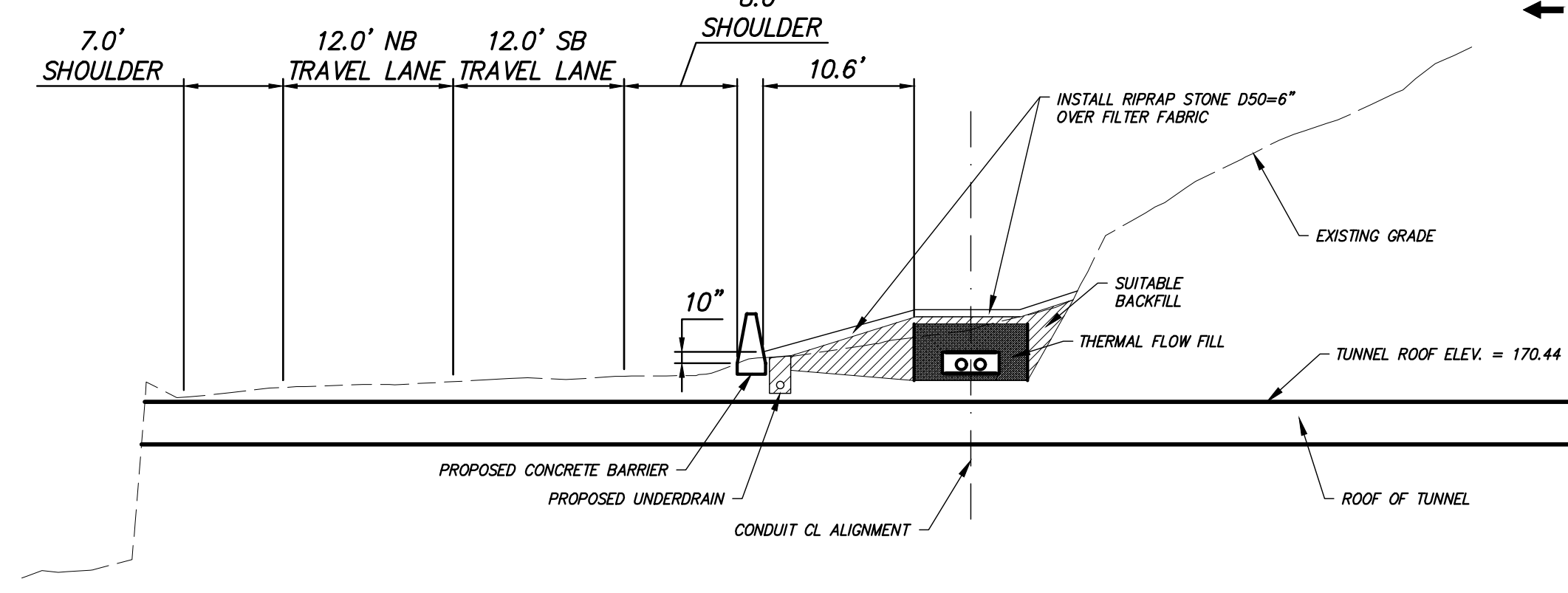
EXISTING DRAINAGE STRUCTURE REMOVAL
SCALE: N.T.S



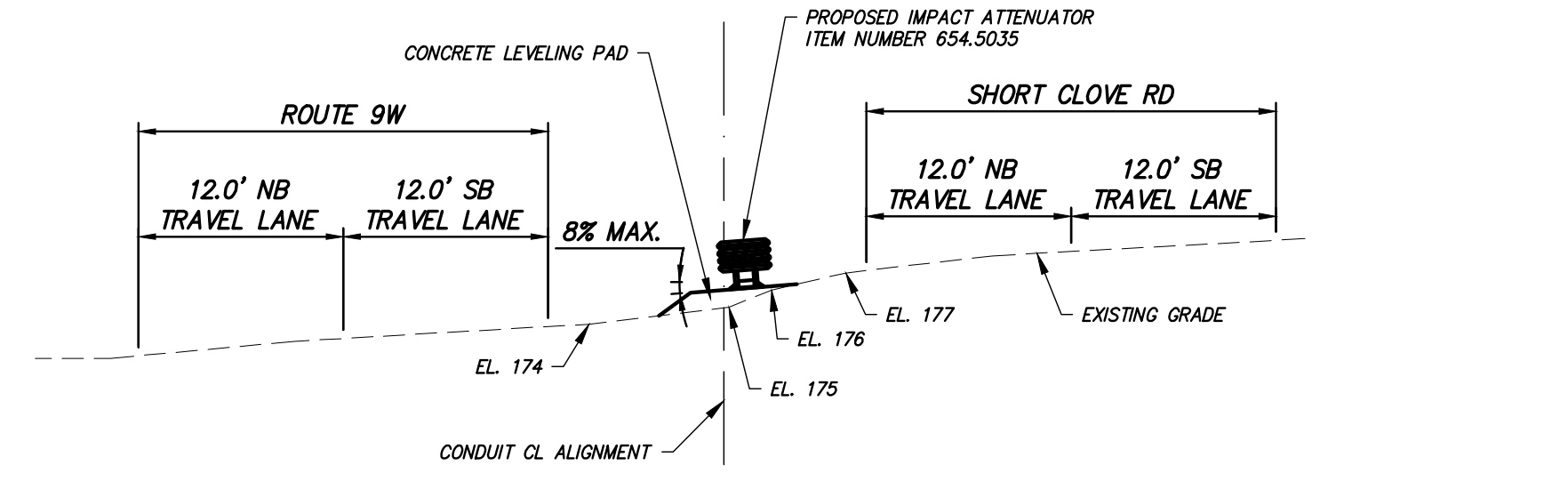
IMPACT ATTENUATOR DETAIL
SCALE: N.T.S.



SECTION VIEW: STATION 72766+60
SCALE: 1" = 10'

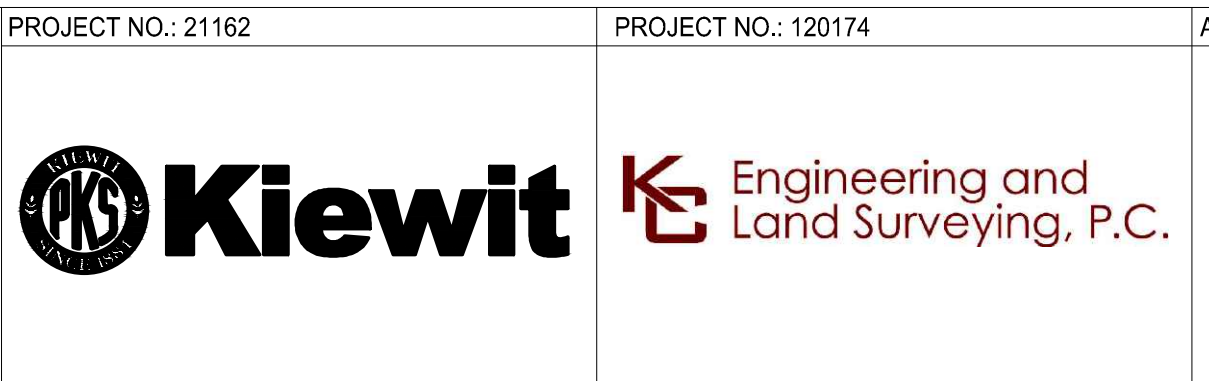


SECTION VIEW: STATION 72767+20
SCALE: 1" = 10'



SECTION VIEW: STATION 72767+07
SCALE: 1" = 10'

- NOTES:
- POSTED SPEED LIMIT ON ROUTE 9W = 40 MPH.
 - POSTED SPEED LIMIT ON SHORT CLOVE RD = 30 MPH.
 - SEE SHEET O-628, O-629, AND O-715 FOR MPT DETAILS.
 - QUADGUARD ATTENUATOR MODEL QS4203, OR APPROVED EQUAL. SEE ENERGY ABSORPTION SYSTEMS DWG. 60-36-88 FOR DETAILS.
 - EXISTING DRAINAGE PIPES CROSSING ROUTE 9W AT THIS LOCATION SHALL BE INSPECTED AND REPAIRED, AS NEEDED.

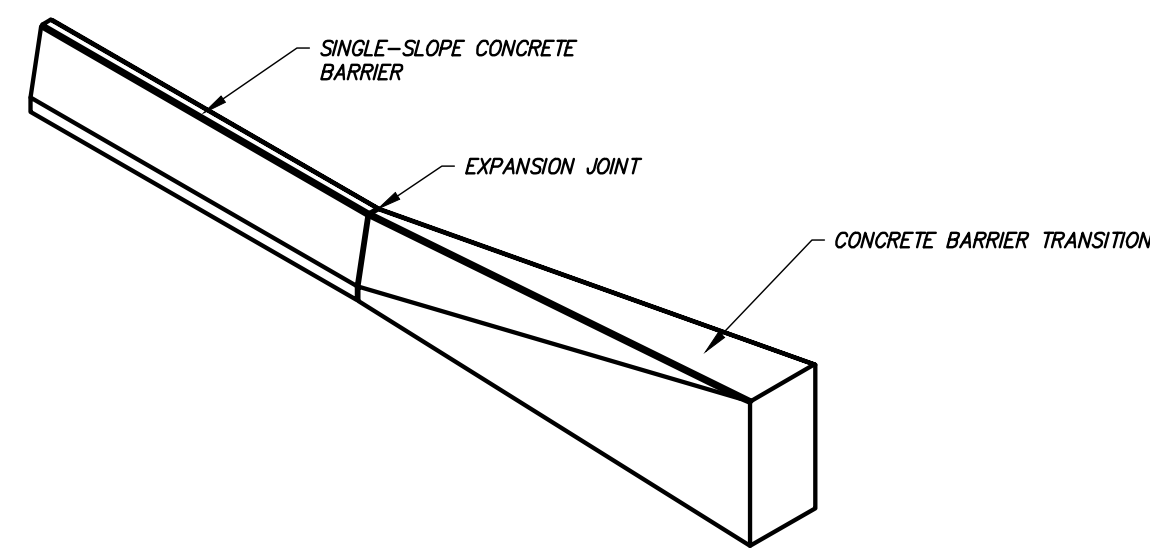
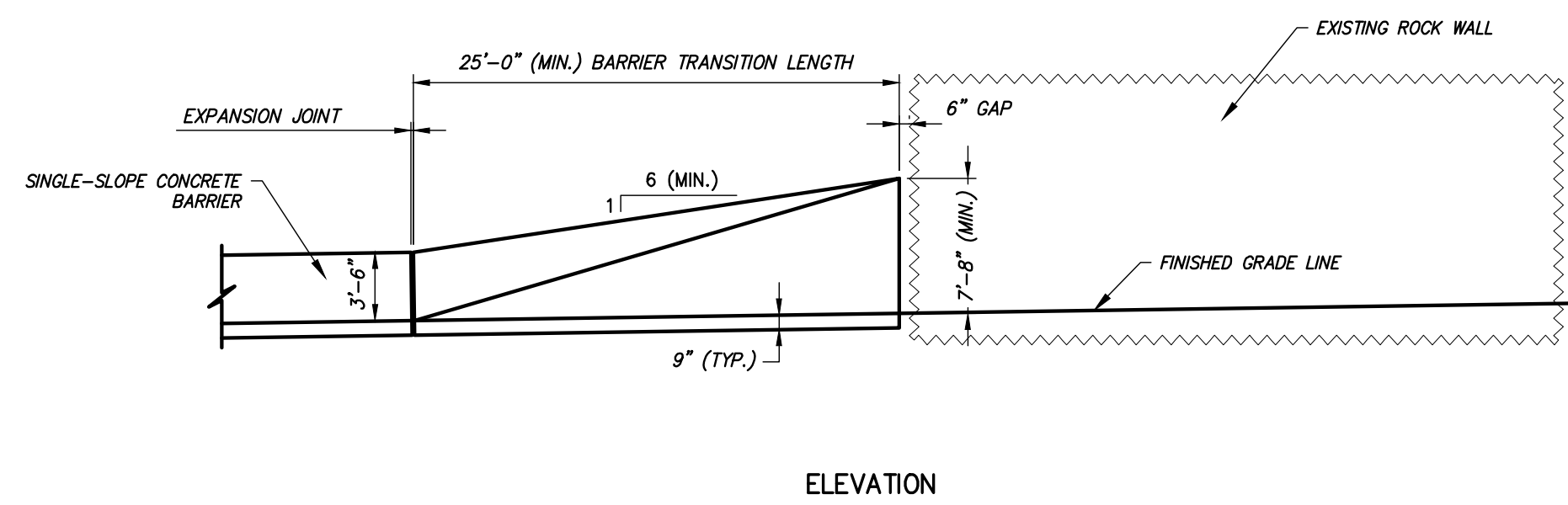
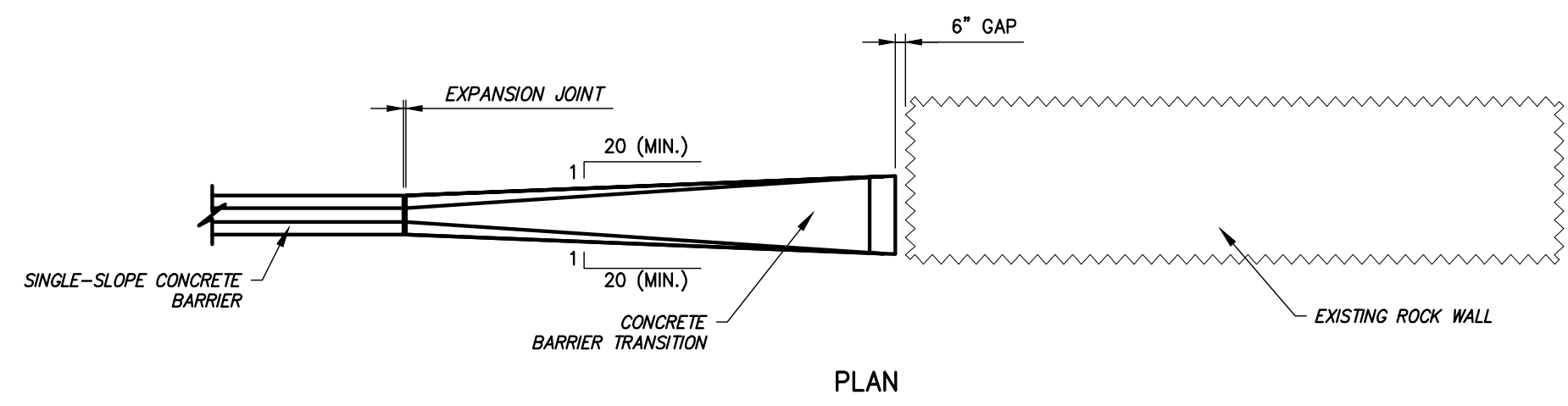


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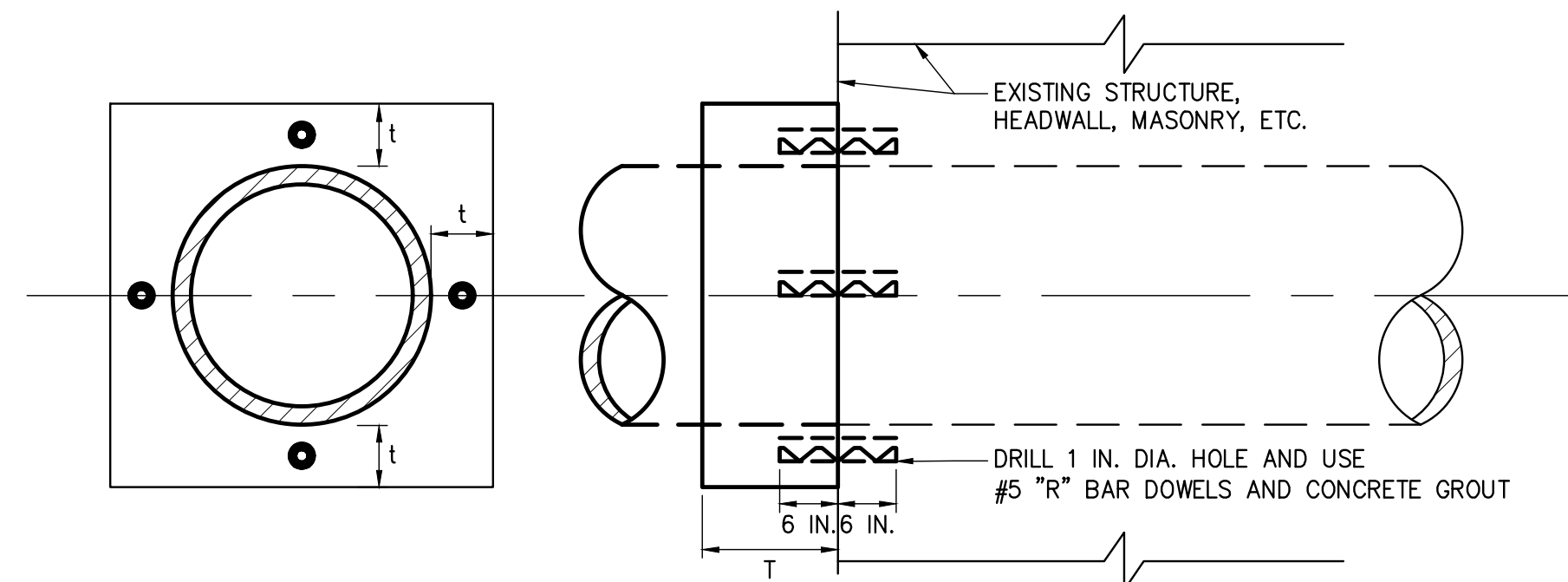
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
0	12/22/2023	ISSUED FOR CONSTRUCTION SUBMISSION (NDC-0030)	BM	SB

DRAWN BY: BM DESIGNED BY: BM APPROVED BY: SB
 SCALE: AS SHOWN DATE: 07/20/2023

PROJECT NO.: 21162	PROJECT NO.: 120174	ALTERED ON:	AFFIXED ON: 12/22/2023
CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND ROUTE 9W AND SHORT CLOVE RD PROPOSED CONCRETE BARRIER AND DRAINAGE IMPROVEMENTS			
PERMIT DRAWING NO.	N/A		
DRAWING NO.	C-129		



BARRIER TO ROCK WALL TRANSITION DETAIL
SCALE: N.T.S



INSIDE DIA. IN.	"t" IN.	"T" IN.	NO. DOWELS REQUIRED *
THRU 19	9	12	4
20 - 29	9	12	4
30 - 39	9	12	6
40 - 49	9	12	8
50 - 59	12	18	8
60 - 69	12	18	8
70 - 79	12	18	10
80 - 89	12	18	12

* SPACE EVENLY AROUND PIPE AS INDICATED.

CONCRETE COLLARS FOR PIPE EXTENSIONS

PIPE EXTENSION DETAIL
SCALE: N.T.S

A

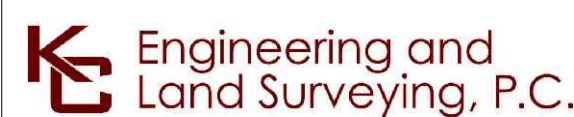
B



PROJECT NO.: 21162



PROJECT NO.: 120174



ALTERED ON:

AFFIXED ON: 12/22/2023



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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
0	12/22/2023	ISSUED FOR CONSTRUCTION SUBMISSION (NDC-0030)	BM	SB

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND

ROUTE 9W AND SHORT CLOVE RD
PROPOSED CONCRETE BARRIER
AND DRAINAGE IMPROVEMENTS - DETAILS

DRAWN BY: BM DESIGNED BY: BM APPROVED BY: SB SCALE: AS SHOWN DATE: 07/20/2023

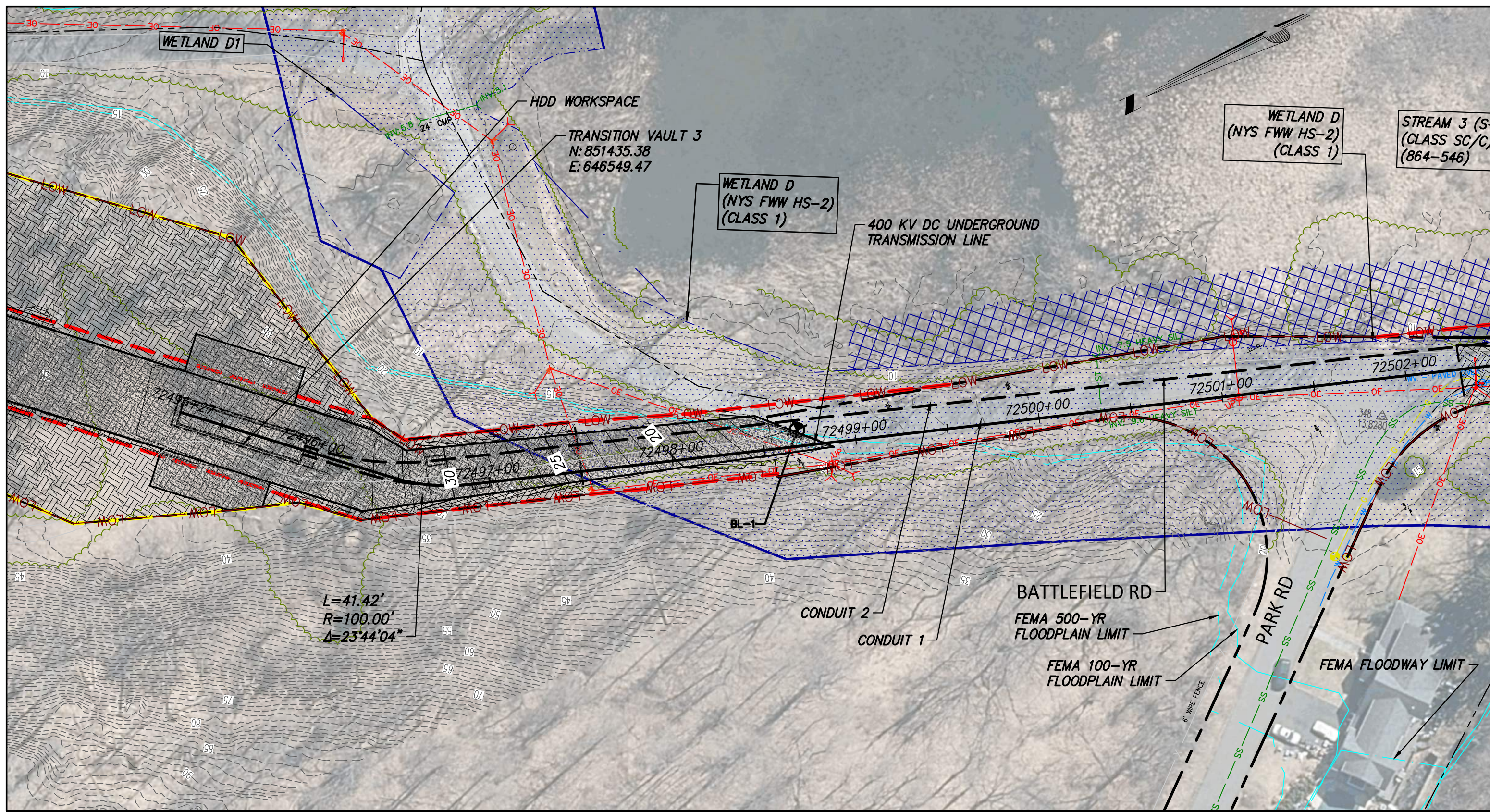
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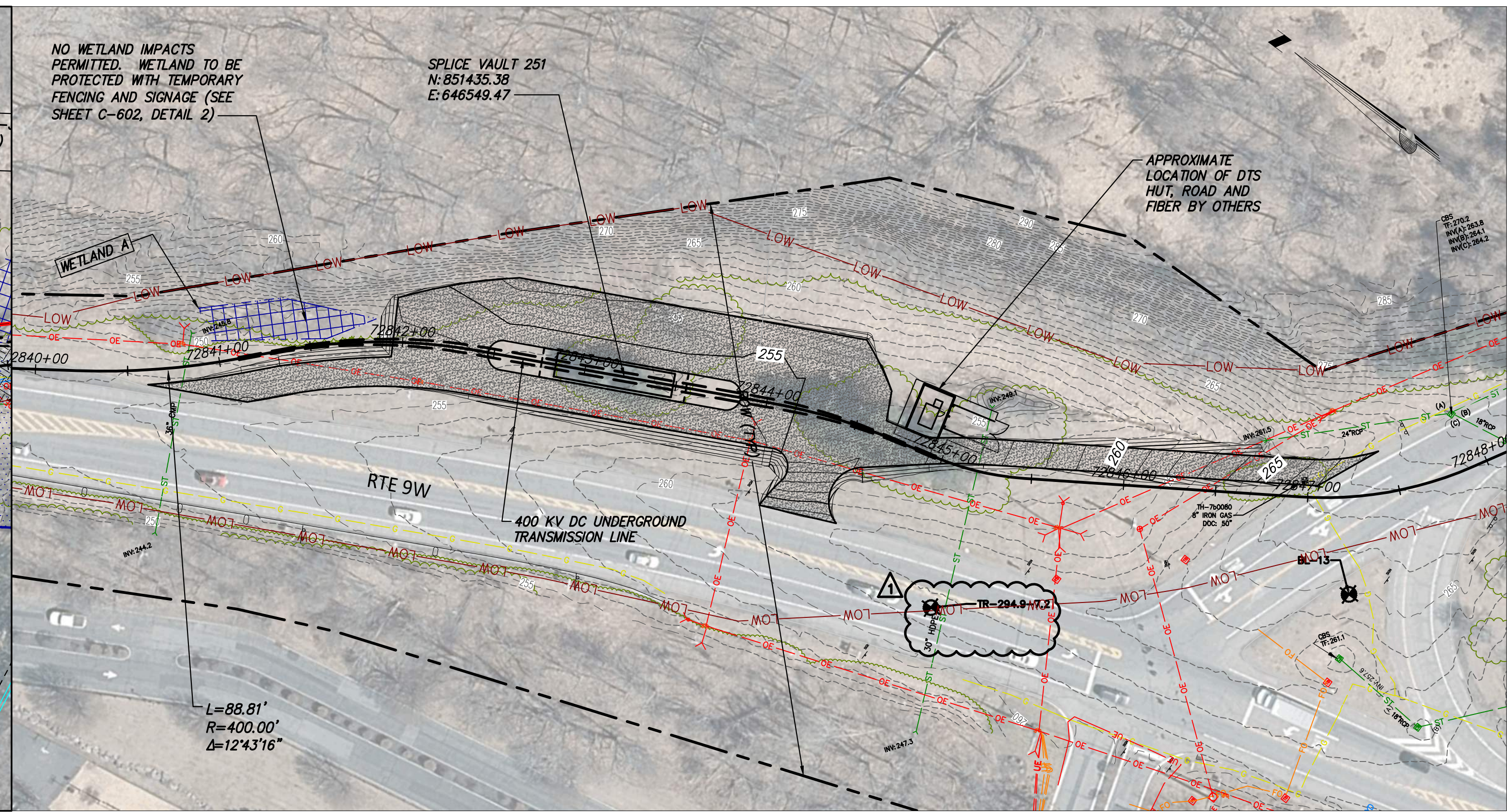
DRAWING NO.

C-130

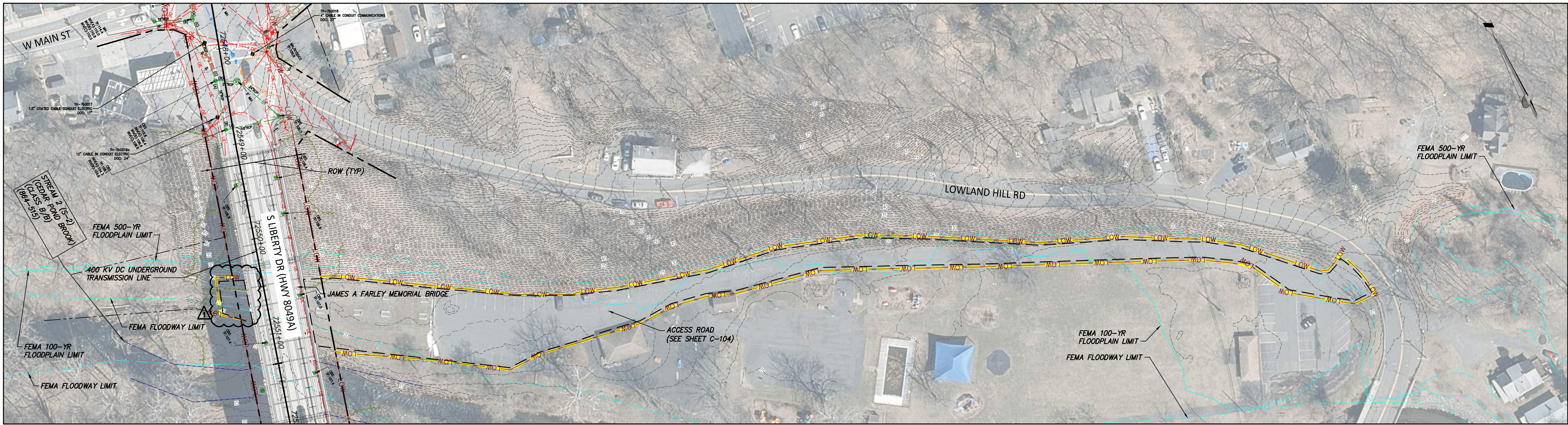
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OFF SITE ACCESS – STA 72495+00
SCALE: 1" = 50'



OFF SITE ACCESS – STA 72845+00
SCALE: 1" = 50'



7B-01-RTE – OFF SITE ACCESS – STA 72548+00
SCALE: 1" = 50'



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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
1	12/22/2023	NDC-0045: GEOTECHNICAL BORING LOCATION ADDED	RB	JL
1	12/22/2023	NDC-0031: STONY POINT PROPERTY LOW UPDATE	RB	JL
0	07/20/2023	ISSUED FOR CONSTRUCTION SUBMISSION	RB	JL

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 12 (PACKAGE 7B) - ROUTE 9W: ROCKLAND
 OFF SITE ACCESS ROADS
 SHEET 1 OF 2

DRAWN BY: RB DESIGNED BY: AC APPROVED BY: JL
 SCALE AS SHOWN
 DATE: 07/20/2023

PERMIT DRAWING NO. **N/A**
 DRAWING NO. **C-201**

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