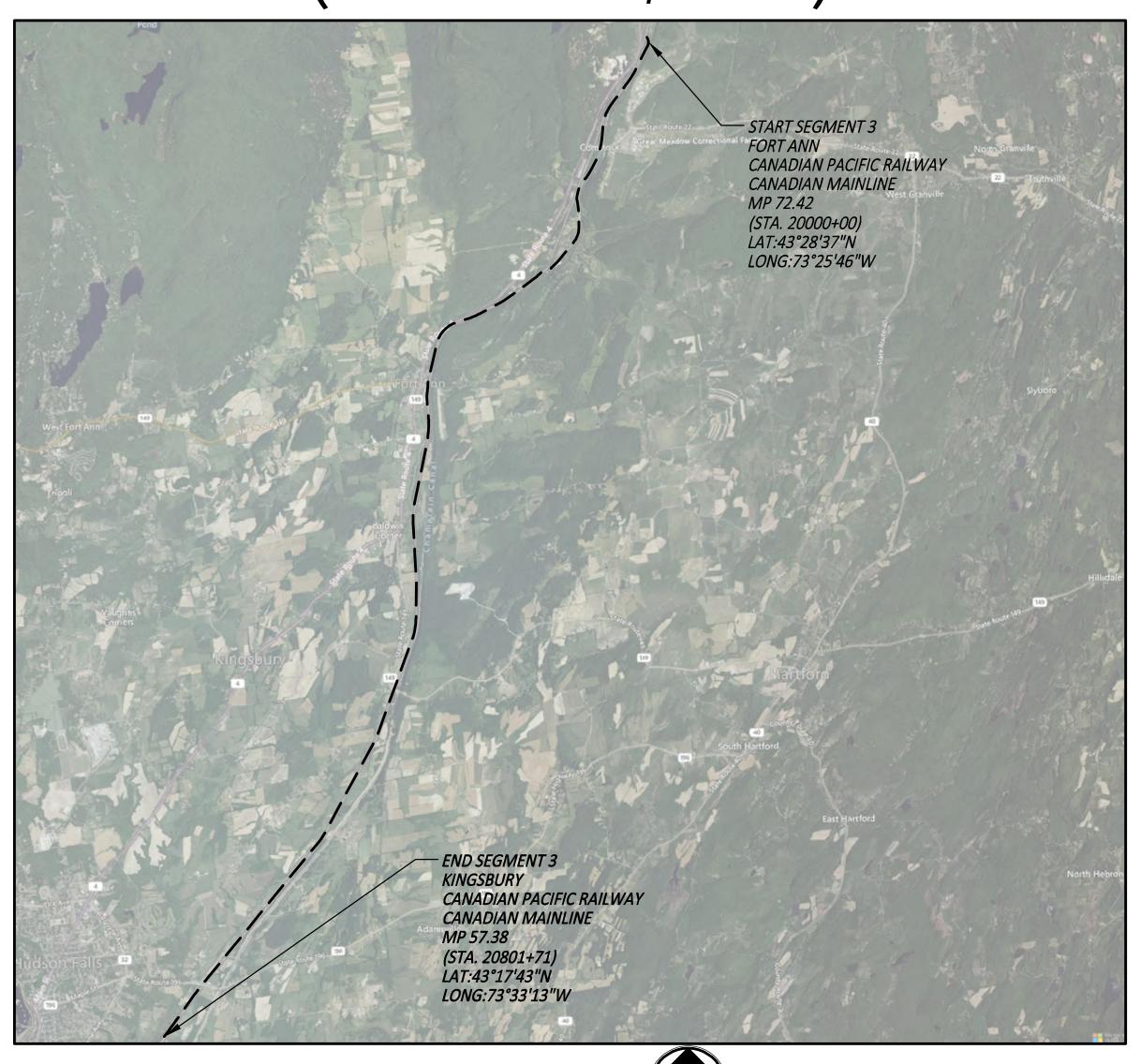
APPENDIX C: PLAN & PROFILE DRAWINGS, EROSION AND SEDIMENT CONTROL PLANS, AND MAINTENANCE AND PROTECTION OF TRAFFIC PLANS CASE 10-T-0139

CHAMPLAIN HUDSON POWER EXPRESS

SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY WASHINGTON COUNTY, NEW YORK ISSUED FOR CONSTRUCTION SUBMISSION (MARCH 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 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.

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CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY **COVER SHEET**

KIEWIT PROJECT NO. 21162 CHA PROJECT NO. DRAWING NO.

G-000

AS NOTED DATE RAWN BY: JJE DESIGNED BY: JTM APPROVED BY: JPR REV. NO.

SHEET LIST TABLE

SHEET TITLE

COVER SHEET

NUMBER

G-000

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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 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.

					SEGMENT 3 - PACKAGE 2 - FORT ANN TO KI
					SHEET INDEX
					SHEET INDEX
1	04/06/2023	REVISED PER DPS COMMENTS	JTM	JPR	
0	03/22/2023	ISSUED FOR CONSTRUCTION SUBMISSION	JJE	JPR	
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	SCALE
INU.	PAIE	SUDIVITIAL / REVISION DESCRIPTION	סט		DRAWN BY: JJE DESIGNED BY: JTM APPROVED BY: JPR REV. NO.

CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY SHEET INDEX

KIEWIT PROJECT NO. 21162 CHA PROJECT NO. DRAWING NO.

G-001

- 2. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED APPROVAL OF THE ENGINEER. CHANGES TO THE PLAN SHALL BE DONE IN ACCORDANCE WITH THE EM&CP SECTION 3.2.6.
- 3. THE CONTRACTOR SHALL RESTORE LAWNS, DRIVEWAYS, CULVERTS, SIGNS AND OTHER PUBLIC OR PRIVATE PROPERTY DAMAGED OR REMOVED TO AT LEAST AS GOOD A CONDITION AS BEFORE BEING DISTURBED AS DETERMINED BY THE ENGINEER.
- 4. THE CONTRACTOR AND/OR CERTIFICATE HOLDER SHALL BE RESPONSIBLE FOR OBTAINING AND INCURRING THE COST OF ALL CONSTRUCTION PERMITS. INSPECTIONS, CERTIFICATES, ETC. AND SHALL COMPLY WITH ALL REQUIRED PERMITS.
- 5. ALL WORK SHALL BE DONE IN STRICT COMPLIANCE WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES, STANDARDS, ORDINANCES, RULES, AND REGULATIONS.
- 6. ALL PROPOSED UTILITIES AND APPURTENANCES TO BE CONSTRUCTED IN COMPLIANCE WITH THE LOCAL MUNICIPALITIES' CODES AND REGULATIONS GOVERNING THE INSTALLATION OF SUCH UTILITIES.
- 7. THE ENGINEER RESERVES THE RIGHT TO EXAMINE ANY WORK DONE ON THIS PROJECT AT ANY TIME TO DETERMINE THE CONFORMANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS OF THIS PROJECT.
- 8. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE ENGINEER OR OWNER, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE UNDER THE SUPERVISION OF A NEW YORK STATE LICENSED LAND SURVEYOR.
- 9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE ALL PLAN SHEETS.
- 10. THE CONTRACTOR SHALL:
 - A. VERIFY ALL CONDITIONS IN THE FIELD PRIOR TO COMMENCEMENT OF
 - WORK AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES. EXAMINE THE SITE AND INCLUDE IN HIS WORK THE EFFECT OF ALL EXISTING CONDITIONS ON THE WORK.
 - PROVIDE AND INSTALL ALL MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH RECOGNIZED GOOD STANDARD PRACTICE.
- 11. 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. WHERE WITHIN RAIL ROAD ROW, ANY EXCAVATION AND SHORING SHALL BE DESIGNED TO MINIMUM CP AND AREMA REQUIREMENTS.

- 12. CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK IN CONFORMANCE WITH REFERENCE SECTION 4.4.6 DEWATERING METHODS IN THE EM&CP. CONTRACTOR SHALL MAINTAIN EXISTING SITE DRAINAGE PATTERNS THROUGHOUT CONSTRUCTION UNLESS OTHERWISE SHOWN ON THE PLANS.
- 13. MAINTAIN FLOW FOR ALL EXISTING UTILITIES.
- 14. ALL FRAMES AND COVER TO BE SET AT ELEVATIONS CONSISTENT WITH THE PROJECT DETAILS.
- 15. TEMPORARY PAVEMENT SHALL BE PLACED WITHIN 48 HOURS OF COMPLETION OF BACKFILL OPERATIONS WITHIN THE EXISTING PAVEMENT LIMITS.
- 16. CONTRACTOR SHALL MAINTAIN ALL TRAFFIC IN ALL AREAS IN ACCORDANCE WITH THE NYSDOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- 17. ALL EXCAVATIONS SHALL BE PROTECTED AT THE END OF EACH WORK DAY PER OSHA AND NYSDOT REQUIREMENTS.
- 18. WITHIN NYSDOT ROW ALL OPEN EXCAVATIONS TO BE PROTECTED BY CONCRETE BARRIERS (ON BOTH SIDES AT COMMERCIAL AND/OR RESIDENTIAL DRIVEWAYS) 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.
- 19. 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 FOLLOW SPECIFICATIONS AND PROVISIONS OF ANY EXECUTED AGREEMENT WITH UTILITY OWNERS AND OPERATORS.
- 20. 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.
- 21. CONTRACTOR TO COORDINATE ALL DRIVEWAY CROSSINGS WITH THE PROPERTY OWNERS PRIOR TO EXCAVATING. ACCESS TO ALL DRIVEWAYS FOR THE RESIDENTIAL AND COMMERCIAL PROPERTIES 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.
- 22. ALL WORK WITHIN AGRICULTURAL LANDS WILL BE PERFORMED IN COMPLIANCE WITH APPLICABLE NEW YORK STATE DEPARTMENT OF AGRICULTURE AND MARKETS (NYSDAM) GUIDANCE INCLUDING "NYSDAM GUIDELINES FOR CONSTRUCTION MITIGATIONS FOR AGRICULTURAL LANDS IN AGRICULTURAL AREAS". RESTORATION WORK WILL FOLLOW APPLICABLE SECTIONS OF NYSDAM GUIDANCE "FERTILIZING LIME, AND SEEDING RECOMMENDATIONS FOR RESTORATION OF CONSTRUCTION PROJECTS ON FARMLAND IN NYS".
- 23. SERVICE CONNECTIONS TO BE FIELD LOCATED PRIOR TO CONSTRUCTION.
- 24. REFER TO EM&CP DOCUMENT FOR ADDITIONAL ITEMS FOR ALL GENERAL NOTES.
- 25. PVC/HDPE TRANSITION COUPLING LOCATION TO BE COORDINATED BETWEEN TRENCH AND HDD CONTRACTORS.

EROSION CONTROL NOTES

- 1. SEE C-400 SERIES OF SHEETS FOR EROSION AND SEDIMENT CONTROL SHEETS.
- 2. LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES.
- 3. THE GENERAL CONTRACTOR SHALL STRICTLY ADHERE TO THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND FOLLOW THE EM&CP DOCUMENTS DURING CONSTRUCTION OPERATIONS.
- 4. NO LAND CLEARING OR GRADING SHALL BEGIN UNTIL ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED. (WETLAND PROTECTION FENCE, SILT FENCE AND STABILIZED CONSTRUCTION ENTRANCE)
- 5. SITE DISTURBANCE SHALL NOT EXCEED FIVE (5) ACRES OF SOIL AT ANY ONE TIME WITHOUT PRIOR WRITTEN AUTHORIZATION FROM NYSDEC DIVISION OF WATER.
- 6. ALL EXPOSED AREAS SHALL BE SEEDED AND MULCHED AS SPECIFIED WITHIN 14 DAYS OF FINAL GRADING. FOR DISTURBED WETLAND AND SENSITIVE AREAS, AREA TO BE RESTORED IN ACCORDANCE WITH THE EM&CP SECTIONS 9.1 AND 14.
- 7. INACTIVE PORTIONS OF THE SITE ARE TO BE SEEDED AND MULCHED AS SPECIFIED WITHIN 14 DAYS. FOR DISTURBED WETLAND AND SENSITIVE AREAS, AREA TO BE RESTORED IN ACCORDANCE WITH THE EM&CP 9.1 AND 14.
- 8. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN (7) DAYS OR MORE FREQUENTLY IF REQUIRED. ALL MAINTENANCE REQUIRED BY INSPECTION SHALL COMMENCE WITHIN 24 HOURS AND BE COMPLETED WITHIN 48 HOURS OF REPORT.
- 9. THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE AS THE GENERAL CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE.
- 10. GENERAL CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.
- 11. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY FOLLOWING SITE INSPECTION. THE SWPPP AND/OR ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO REQUIRE ADDITIONAL EROSION CONTROL MEASURES IF THE INSPECTOR DEEMS NECESSARY.
- 12. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO TAKE REASONABLE MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.
- 13. AT THE END OF EACH WORK DAY DISTURBED SOILS ARE TO BE REGRADED TO DRAIN INTO THE TEMPORARY DIVERSION SWALES AND DISCHARGES FROM DEWATERING ACTIVITIES ARE TO BE DIRECTED INTO CATCH BASINS OR SWALES.
- 14. CONCRETE WASHOUTS DEPICTED ON PLANS ARE FOR REFERENCE ONLY. CONTRACTOR TO FIELD LOCATE WASHOUTS AS NECESSARY, FIELD LOCATED WASHOUTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE EM&CP AND SHALL BE A MINIMUM OF 100' FROM ADJACENT WETLANDS AND 200' FROM ANY EXISTING WELLS.











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1	04/11/2023	REVISED PER DPS COMMENTS	JJE	JPR	

CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY **GENERAL NOTES**

KIEWIT PROJECT NO. 21162 CHA PROJECT NO. 066076 DRAWING NO.

G-002

DRAWN BY: JJE DESIGNED BY: JTM APPROVED BY: JPR REV. NO.

CONSTRUCTION NOTES.

1.b. AMERICAN RAILWAY ENGINEERING AND MAINTENANCE OF WAY ASSOCIATION (AREMA) MANUAL FOR RAILWAY ENGINEERING 1.c. BNSF/UP GUIDELINES FOR TEMPORARY SHORING.

2. SEE ADJACENT CANADIAN PACIFIC RAILWAY (CPR) GENERAL

GENERAL HORIZONTAL DIRECTIONAL DRILLING NOTES:

- 1. UNLESS NOTED OTHERWISE ON C-300 SERIES HDD PLAN AND PROFILES. EACH HDD CONSISTS OF A PAIR OF (2) HVDC ELECTRICAL TRANSMISSION CABLES HOUSED IN INDIVIDUAL 10" DIAMETER CASINGS/CONDUITS. HDPE DR9, AND A THIRD 2" DIAMETER CASING/CONDUIT, HDPE DR9, WILL BE BUNDLED IN PULLBACK WITH ONE OF THE 10" CASINGS/CONDUITS FOR A TELECOMMUNICATION LINE.
- 2. THERMAL RESISTIVITY (TR) HORIZONTAL SPACING TO BE MAINTAINED IN PLAN BETWEEN CONDUIT 1 AND CONDUIT 2 IS CALLED OUT AS "TRDS" APPENDED TO A DIMENSION IN BETWEEN CONDUITS IN PLAN VIEWS, WHERE TRDS IS THE THERMAL RESISTIVITY DESIGN SPACING. TRDS IS DERIVED FROM AN ASSIGNED RHO (GREEK CHARACTER r FOR TR) AND ON DESIGN DEPTH FOR THE PAIR OF CONDUITS IN SHOWN PROFILE. RHO AND TRDS ARE DETERMINED BY ELECTRICAL ENGINEERING ON THE BEHALF OF THE OWNERS.
- 3. THE HDD CONTRACTOR SHALL HOLD THE TRDS IN THEIR OPERATIONS WITHIN THE HORIZONTAL TOLERANCES SPECIFIED IN SECTION 330507.13. IN CONSTRUCTION, THE SPACING SHALL BE CONTROLLED, OBSERVED, AND MAINTAINED SUCH THAT THE AS-BUILT SPACING SHALL NEVER BE LESS THAN TRDS MINUS 10 FEET, ABSOLUTE MINIMUM.
- 4. HDD SUBCONTRACTOR SHALL COORDINATE WITH OVERHEAD ELECTRIC OWNER/OPERATOR(S) TO HAVE TEMPORARY PROTECTIVE SLEEVES INSTALLED ON OVERHEAD POWER LINES IN THE VICINITY OF WORKZONES.
- STANDARD PENETRATION TEST, SPT, N-VALUES SHOWN ON THE C-300 SERIES DRAWINGS ARE NOT CORRECTED FOR THE SAMPLER SIZE OR HAMMER ENERGY. REFERENCE BORING LOGS AND GEOTECHNICAL REPORTS FOR DETAILED INFORMATION.
- 6. WHEN CONDUCTOR CASINGS OR CONDUITS ARE USED TO MANAGE INADVERTENT RETURNS, THE CONDUCTOR SHALL BE REMOVED IMMEDIATELY AFTER THE PULL BACK OF THE MAIN CONDUIT OR CONDUIT BUNDLE. A WRITTEN PLAN MUST BE SUBMITTED SEEKING ENGINEERING APPROVAL OF THE MATERIAL USED TO REPLACE THE RESIDUAL DRILLING FLUID WHEN FILLING THE ANNULAR SPACE BETWEEN THE CONDUIT OR CONDUIT BUNDLE AND THE NATIVE SOILS LEFT AFTER CONDUCTOR CASING EXTRACTION.
- FOR WORKZONES THAT ARE ADJACENT TO OR IN CLOSE PROXIMITY TO OVERHEAD ELECTRIC WHERE EQUIPMENT MUST BE MANEUVERED, THE HDD SUBCONTRACTOR SHALL COORDINATE WITH ELECTRIC OWNER/OPERATOR TO ENSURE THAT ALL OSHA MANDATED CLEARANCES ARE OBSERVED AND MAINTAINED WITH THE INSTALLATION OF HIGH VISIBILITY RUBBER SLEEVES FOR VISUAL INDICATION PURPOSES. ADDITIONAL SPOTTERS SHOULD BE CONSIDERED.
- 8. WHEN AN HDD WORK ZONE OR WORK AREA CROSSES, OVERLAPS, OR IMPACTS DESIGNATED WETLANDS, RESTORATION OF THOSE WETLANDS SHALL BE INITIATED UPON COMPLETION OF WORK USING ACCEPTED ENVIRONMENTAL BEST MANAGEMENT PRACTICES (BMP). WORK ZONES ARE CONSIDERED AN EXTENSION OF ACCESS ROADS. TIMBER MATTING, AS SHOWN AND NOTED ON WETLAND CROSSING DETAILS, SHEET C-611, OPTION "A" AND OR OPTION "B" ADAPTED TO THE SITE-SPECIFIC NEEDS AND ADJACENT ACCESS ROADS, SHOULD BE USED.
- 9. ABANDON UTILITY POLES THAT ARE ENCOUNTERED WITHIN THE RAILROAD ROW AND BOUNDARY BY THE HDD SUBCONTRACTOR WITHIN WORK ZONES, IMMEDIATELY ADJACENT TO A WORK ZONE, OR THAT OTHERWISE OBSTRUCT PREPARATION OF, OR USE OF, A WORK ZONE AND OR FABRICATION OF THE PULLBACK STRING OF HDPE CONDUIT(S) SHALL BE REMOVED AND DISPOSED OF BY OTHERS.

CANADIAN PACIFIC RAILWAY (CPR) - GENERAL CONSTRUCTION NOTES

CONSTRUCTION REQUIREMENTS

1. LOCATES & UTILITIES

- a. THE CONTRACTOR IS REQUIRED TO OBTAIN AND MAINTAIN LOCATES FOR THE ENTIRE WORKING AREA PRIOR TO COMMENCING ANY EXCAVATION OR SUBSURFACE WORK.
- b. FIBRE OPTIC LOCATES MUST BE REQUESTED THROUGH THE CP OPERATIONS DESK AT 1-800- 387-1833. FIBRE OPTICS ARE LOCATED PARALLEL TO THE ROW THROUGHOUT MOST OF THE RAILWAYS NETWORK.
- c. FIBRE OPTIC CABLES MUST BE PROTECTED, AND PHYSICALLY EXPOSED WHERE DIRECTED BY THE FIBRE OPTIC OWNERS REPRESENTATIVE.
- d. RAILWAY SIGNAL LOCATES MUST ALSO BE OBTAINED THROUGH THE CP OPERATIONS
- e. ALL OTHER UTILITY LOCATES MUST BE OBTAINED THROUGH THE UTILITIES DIRECTLY, OR THROUGH A ONE-CALL SERVICE AS APPROPRIATE.
- f. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROPERLY LOCATING, PROTECTING AND RESTORING ANY UTILITIES WITHIN RAILWAY PROPERTY.

2. SETBACKS

- a. REQUIRED CONSTRUCTION CLEARANCES SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT THE WORK.
- b. NO PERMANENT FACILITIES SHALL BE CONSTRUCTED WITHIN 25' OF ANY MAIN TRACK CENTERLINE.
- c. NO TEMPORARY FACILITIES SHALL BE CONSTRUCTED WITHIN 13' OF ANY MAIN TRACK CENTRELINE, AND THEN ONLY WITH EXPRESSED WRITTEN AUTHORIZATION BY CP.
- d. WHERE II) OR III) ABOVE HAVE THE POTENTIAL TO IMPACT WAYSIDE SIGNAL OR CROSSING SIGHTLINES, THE DISTANCES MUST BE INCREASED TO COMPLY WITH SIGHTLINE REQUIREMENTS.

3. CROSSING TRACKS

- a. PERSONNEL MAY ONLY CROSS TRACKS ON FOOT WHEN AUTHORIZED BY THE FLAGMAN UNLESS USING A DESIGNATED PUBLIC CROSSING. CROSS THE TRACKS AT A 90 DEGREE ANGLE, AND NEVER STEP ON THE RAIL.
- b. THE OPERATION OF ANY MACHINERY, VEHICLE OR EQUIPMENT ON OR ACROSS TRACKS AT A LOCATION OTHER THAN A DESIGNATED CROSSING IS PROHIBITED.
- c. TEMPORARY CROSSINGS SHALL ONLY BE INSTALLED WHERE AUTHORIZED BY CP, AND
- SHALL COMPLY WITH ALL APPLICABLE CROSSING SAFETY REGULATIONS. d. TEMPORARY CROSSINGS WILL BE INSTALLED AND REMOVED BY CP FORCES, AND
- SHALL NOT BE CONSTRUCTED OR USED UNLESS A SIGNED AGREEMENT IS IN EFFECT.
- e. TEMPORARY CROSSINGS MUST BE SECURED BY A LOCKED GATE ON BOTH SIDES OF THE TRACK AT ALL TIMES THAT THE FLAGMAN IS NOT PRESENT.
- f. WHEN CROSSING TRACKS AT A CROSSING, CONTACT WITH THE RAIL BY MACHINERY TRACKS OR OTHER METAL COMPONENTS IS STRICTLY PROHIBITED. BLASTING MATS OR OTHER MEANS MUST BE INSTALLED TO PREVENT MECHANICAL CONTACT BETWEEN METAL SURFACES AND THE RAILS.
- q. CROSSINGS MUST BE KEPT CLEAR OF MATERIAL, MUD OR DEBRIS. THE CROSSING MUST BE INSPECTED AND CLEANED AS REQUIRED, WITH PARTICULAR ATTENTION TO THE FLANGEWAYS, PRIOR TO THE PASSAGE OF EACH TRAIN.
- h. THE CONTRACTOR MUST ENSURE THAT BOTH RAILS OF THE SAME TRACK ARE NEVER CONNECTED WITH ANY METAL CONDUCTOR (SUCH AS BARE WIRE, STEEL TAPE MEASURES, EQUIPMENT, ETC).

4. HOUSEKEEPING

- a. THE PROJECT SITE MUST BE KEPT CLEAN AND TIDY. DEBRIS MUST BE PROMPTLY REMOVED.
- b. STORAGE OF MATERIALS ON RAILWAY PROPERTY IS PROHIBITED.
- c. POSITIVE DRAINAGE AWAY FROM THE TRACKS MUST BE MAINTAINED AT ALL TIMES.
- d. ALL SCAFFOLDING, FALSEWORK, FORMWORK, PROTECTIVE COVERINGS ETC. MUST BE SECURED AGAINST MOVEMENT DURING THE PASSAGE OF TRAINS AT TRACK SPEED.
- e. OPEN EXCAVATIONS MUST BE PROTECTED BY SIGNAGE AND FENCING. CONSIDERATION MUST BE GIVEN TO THE SAFETY OF TRAIN CREWS WHO MAY BE REQUIRED TO WALK THROUGH THE WORK SITE AT NIGHT.
- f. WHEREVER PRACTICAL, OPEN EXCAVATIONS SHALL BE FULLY COVERED AND SECURED
- g. STORAGE OF EQUIPMENT AND MACHINERY ON RAILWAY PROPERTY IS PROHIBITED.
- h. TRACKS MUST BE PROTECTED FROM DEBRIS DURING WORK OPERATIONS. PLYWOOD. FILTERCLOTH OR OTHER MEASURES SHALL BE INSTALLED AT THE DIRECTION OF THE RAILWAY TO PREVENT CONTAMINATION OF THE TRACK BALLAST.
- i. THE CONTRACTOR SHALL BE LIABLE FOR ANY COST INCURRED BY THE RAILWAY TO RESTORE FOULED TRACK BALLAST.

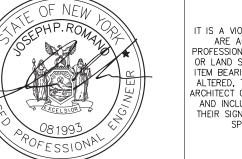
5. WEATHER RESTRICTIONS

- a. THE RAILWAY RESERVES THE RIGHT TO SUSPEND ANY CONSTRUCTION ACTIVITY WHICH MAY AFFECT THE STABILITY OF THE ROADBED, BALLAST OR TRACK STRUCTURE AS A RESULT OF HOT WEATHER OR EXCESSIVE PRECIPITATION.
- b. WHEN THE AMBIENT AIR TEMPERATURE IS EQUAL TO OR GREATER THAN 25°C (77°F), THE RAILWAY MAY IMPOSE EXCAVATION RESTRICTIONS.
- c. WHEN THE AMBIENT AIR TEMPERATURE IS EXPECTED TO EXCEED 30°C (86°F), EXCAVATION OF THE ZONE OF POTENTIAL TRACK LOADING (ZPTL) OR BALLAST SHOULDERS IS PROHIBITED.
- d. BACKFILLED EXCAVATIONS MUST BE PROTECTED FROM EROSION UNTIL NATURAL VEGETATION PROPERLY GERMINATES. THIS MAY INCLUDE TARPING SLOPES WHEN SIGNIFICANT PRECIPITATION IS EXPECTED.









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CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY PACKAGE SPECIFIC NOTES

JJE JPR

03/22/2023 ISSUED FOR CONSTRUCTION SUBMISSION

DATE SUBMITTAL / REVISION DESCRIPTION

KIEWIT PROJECT NO. 21162 CHA PROJECT NO. 066076 DRAWING NO.

G-003

DB | APP | DRAWN BY: JJE | DESIGNED BY: JTM | APPROVED BY: JPR | REV. NO.

AS NOTED DATE 03/22/2023

LEGEND & ABBREVIATIONS

EXIST. WETLANDS

Н	EXIST. FIBER OPTIC LINE HANDHOLE	SIGN	EXISTING SIGN
	EXIST. FIBER OPTIC LINE PEDESTAL	•	EXIST. STRUCTURE PO
Н	EXIST. FIBER OPTIC LINE DOGHOUSE	Ω	EXIST. STRUCTURE MA
IH	EXIST. FIBER OPTIC LINE MANHOLE	— — G — — G —	EXIST. GAS LINE
V	EXIST. FIBER OPTIC LINE VAULT	— — ит — — ит —	EXIST. UNDERGROUND
PP .	EXIST. FIBER OPTIC LINE BORE PIT	— — FO — FO —	EXIST. FIBER OPTIC
В	EXIST. FIBER OPTIC LOCK BOX	— — от — — от —	EXIST. OVERHEAD TEL
	EXIST. GROUND ROD	— — UE — — UE —	EXIST. UNDERGROUND
FIBER MARK	EXIST. FIBER OPTIC MARKER POST	— — OE — OE —	EXIST. OVERHEAD ELE
FIBER BOX	EXIST. FIBER OPTIC BOX	— — ST — — ST —	EXIST. CULVERT
00	EXIST. FIBER STORAGE	— — ss — — ss —	EXIST. SANITARY SEWI
→ _{HAD}	EXIST. FIRE HYDRANT	— — ST — — ST —	EXIST. STORM SEWER
⊗ ^{w∨}	EXIST. WATER VALVE	—— — w —— w ——	EXIST. POTABLE WATE
W	EXIST. WATER MANHOLE	FUEL	EXIST. FUEL LINE
WATER MARK	EXIST. WATER MARKER		EXIST. RAILROAD TRA
S	EXIST. SANITARY SEWER MANHOLE	⊗ CERTIFIED ROUTE MP XX	CERTIFIED ROUTE PROVI
VENT	EXIST. SANITARY SEWER VENT	⊗ RANDALL PREFERRED MP XX	RANDALL PREFERRED PF
ST)	EXIST. STORM SEWER MANHOLE		EXIST. CONTOUR, INDEX
В	EXIST. STORM SEWER CATCH BASIN		EXIST. CONTOUR, DEPRE
< INV.	EXIST. CULVERT INVERT	~~~~~	EXIST. CONTOUR, INTERN
3	EXIST. GAS MANHOLE	~~~~	EXIST. CONTOUR, DEPRE
9 _{g∨}	EXIST. GAS VALVE	×[39.7]	EXIST. SPOT ELEVATION
GAS MARK	EXIST. GAS MARKER		EXIST. LANDSCAPE / ST
VENT	EXIST. GAS PIPELINE VENT		EXIST. NATURAL BOUL
*	EXIST. LIGHT POLE		EXIST. NATURAL SHRU
⊅ ^{UP}	EXIST. UTILITY POLE		EXIST. NATURAL TREE
Ø ^{PP}	EXIST. ELEC. POLE	\Diamond \Diamond \circ	EXIST. NATURAL SING
≫———	EXIST. TRAFFIC LIGHT		EXIST. STRUCTURAL B
	EXIST. ELEC. METER		EXIST. PAVED DRIVE
	EXIST. ELEC. MANHOLE		EXIST. PAVED ROAD
R	EXIST. ELEC. TRANSFORMER		EXIST. PAVED SHOULD
V	EXIST. ELEC. VAULT		EXIST. PAVED SIDEWA
H	EXIST. ELEC. HANDHOLE	0 0	EXIST. GUARDRAIL
P.	EXIST. ELEC. PEDESTAL/BOX	··	EXIST. TRAIL
ELEC MARK	EXIST. ELEC. MARKER POST	X	EXIST. FENCE
L	EXIST. ELEC. GUY ANCHOR/WIRE		EXIST. WALL
T	EXIST. TELE. RISER/BOX		EXIST. RETAINING WAL
D	EXIST. TELE. MANHOLE		EXIST. RIGHT-OF-WA
Н	EXIST. TELE. HANDHOLE		EXIST. ABUTTER
V	EXIST. TELE. VAULT		
2	EXIST. TELE. PEDESTAL		
рН	EXIST. TELE. DOGHOUSE		
TELEPHONE MARK	EXIST. TELE. MARKER POST		
	EXIST. TELE. JUNCTION BOX		
В	EXIST. TRAFFIC SIGNAL BOX		
	EXIST. CELL TOWER		
<u>.</u>	EXIST. CABLE BOX		
_ ┣	EXISTING MANHOLE UNKNOWN		
<u></u>	EXISTING UTILITY BOX UNKNOWN		
<u>A</u>	EXISTING ANTENNA	NOTES:	
CAPPED IRON ROD	EXISTING CAPPED IRON ROD		INDADY IN WHICH ALL CO
IRON PIPE	EXISTING IRON PIPE	1. LIMIT OF WORK (LOW) — THE BO STOCKPILES MATERIAL, EQUIPMEN	T STORAGE, ACCESS, PAR
CONCRETE BOUNDARY	EXISTING CONCRETE MONUMENT	LANDSCAPING, RESTORATION, AND SHALL OCCUR. ADDITIONALLY, TH	
POST	EXISTING POST	DISTURBANCE DURING CONSTRUC' LIMIT OF CLEARING AND GRUBBIN	TION. UNLESS OTHERWISE
- #	EXISTING REFLECTOR MARKER	THE LOW. THE LOW INCLUDES TH	
	ENGTHS ON THE	OF DISTURBANCE (LOD).	

	EXISTING SIGN
	EXIST. STRUCTURE POST
Ω	EXIST. STRUCTURE MAILBOX
— — G — — G —	EXIST. GAS LINE
— — ит — — ит —	EXIST. UNDERGROUND TELE.
— FO — FO —	EXIST. FIBER OPTIC
— — OT — — OT —	EXIST. OVERHEAD TELE.
— — UE — UE —	EXIST. UNDERGROUND ELEC.
— OE — OE —	EXIST. OVERHEAD ELEC.
— — ST — — ST —	EXIST. CULVERT
— ss — — ss —	EXIST. SANITARY SEWER
— — ST — — ST —	EXIST. STORM SEWER
— — w — — w —	EXIST. POTABLE WATER LINE
	EXIST. FUEL LINE
	EXIST. RAILROAD TRACK
\otimes CERTIFIED ROUTE MP XX	CERTIFIED ROUTE PROVIDED BY CHPE KMZ
\otimes RANDALL PREFERRED MP XX	RANDALL PREFERRED PROVIDED BY CHPE KMZ
	EXIST. CONTOUR, INDEX
	EXIST. CONTOUR, DEPRESSION INDEX
~~~~	EXIST. CONTOUR, INTERMEDIATE
~~~~	EXIST. CONTOUR, DEPRESSION INTERMEDIATE
×139.7	EXIST. SPOT ELEVATION
	EXIST. LANDSCAPE / STORAGE AREA
· · ·	EXIST. NATURAL BOULDER
	EXIST. NATURAL SHRUB LINE
	EXIST. NATURAL TREE LINE
$\Diamond \Diamond \circ$	EXIST. NATURAL SINGLE TREE/BUSH
	EXIST. STRUCTURAL BUILDING
	EXIST. PAVED DRIVE
	EXIST. PAVED ROAD
	EXIST. PAVED SHOULDER
	EXIST. PAVED SIDEWALK
0 0	EXIST. GUARDRAIL
<u> </u>	EXIST. TRAIL
X	EXIST. FENCE
	EXIST. WALL
	EXIST. RETAINING WALL
	EXIST. RIGHT-OF-WAY
	EXIST. ABUTTER

CONSTRUCTION ACTIVITIES,
PARKING, GRADING,
UCTION RELATED ACTIVITIES
ARY FOR ALL POTENTIAL SPECIFIED, WHEN THE PLANS, IT SHALL ALSO BE BE CONSIDERED THE LIMIT OF DISTURBANCE (LOD).

ф ^{XX-##}	EXIST. WETLAND FLAG	CL	CENTERLINE
	PEM — PALUSTRINE EMERGENT	СМР	CORRUGATED METAL PIPE
(7///)	PSS - PALUSTRINE SCRUB-SHRUB	CONC	CONCRETE
	PFO - PALUSTRINE FORESTED	DB	DESIGNED BY
	PUB - PALUSTRINE UNCONSOLIDATED BOTTOM	DEC	NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
\(\psi \) \(\psi \	L1 - LACUSTRINE LIMNETIC	DEG	DEGREES
	L2 - LACUSTRINE LITTORAL	DR	DRIVE
	NYSDEC FWW 100-FOOT ADJACENT BUFFER AREA	DZ	DEVIATION ZONE
	GIS HISTORICAL WETLAND BOUNDARY	E	EASTING
	JD BOUNDARY	ELECTRIC	ELECTRIC CABLE
	PROP. WETLAND PROTECTION FENCE	ELEV	ELEVATION
——FS——	PROP. COMPOST FILTER SOCK (OR SILT SOCK)	EXIST	EXISTING
140	PROP. TEMP MAJOR CONTOUR	FIBER	FIBER OPTIC CABLE
	PROP. TEMP MINOR CONTOUR	FT	FEET
Low	PROP. LIMITS OF WORK/DISTURBANCE	GAS	GAS PIPE
. ~ .	PROP. LIMITS OF CLEARING/LIMITS OF WORK IN CLEARING AREAS	Н	HORIZONTAL
	PROP. CONCRETE WASHOUT	HDD	HORIZONTAL DIRECTIONAL DRILLING
	PROP. TEMP ACCESS ROAD RTE (EXISTING ROAD OR SURFACE)	HVDC	HIGH-VOLTAGE DIRECT CURRENT TRANSMISSION LINE
	PROP. TEMP REFURBISHED ACCESS ROAD	INV	INVERT ELEVATION
	PROP. TEMP ACCESS ROAD OR OFF SITE ACCESS ROAD	LOW	LIMITS OF WORK
		LT	LEFT
	PROP. TEMP TIMBER MATTING OR TEMP GEOTEXTILE FABRIC AND STONE	MAX	MAXIMUM
	PROP. SPLICE LOCATION	MIN	MINIMUM
	PROP. SPLICE VAULT	N	NORTHING
	PROP. LINK BOX HANDHOLE	NO 	NUMBER
	PROP. FIBER SPLICE HANDHOLE	NY D#	NEW YORK
•	PROP. BORING LOCATION	P# PERM	PACKAGE # PERMANENT
XXXXX+XX	PROP. ALIGNMENT STATIONING	PROP.	PROPOSED
	PROP. ALIGNMENT CENTERLINE	PVC	POLYVINYL CHLORIDE
	PROP. LAYDOWN YARDS, PARKING, STORAGE & MUSTER AREA	PVI	POINT OF VERTICAL INTERSECTION
	PROP. WORK AREAS	R	RADIUS
<u> </u>		RCP	REINFORCED CONCRETE PIPE
	PROP. TEMP EASEMENT	RD	ROAD
	PROP. PERM EASEMENT	REV	REVISION
	PROP. TEMP ACCESS EASEMENT	ROW	RIGHT-OF-WAY
	THOI. TEMP MODES ENGLINETY	RT	RIGHT
CP RAIL MP XX		RTE	ROUTE
MP AA	CP RAIL MP CALL OUT	SEWER	SANITARY SEWER PIPE
		SH	SHEET
ı		ST	STREET
		STA	STATION
		STORM	STORM DRAIN PIPE
		TELECOM	TELECOMMUNICATIONS CABLE
		TEMP	TEMPORARY
		TR	THERMAL RESISTIVITY
		TYP	TYPICAL
		V	VERTICAL
		WATER	WATERLINE





EXISTING SYMBOL





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	No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DI
I	0	03/22/2023	ISSUED FOR CONSTRUCTION SUBMISSION	JJE	JPR	_

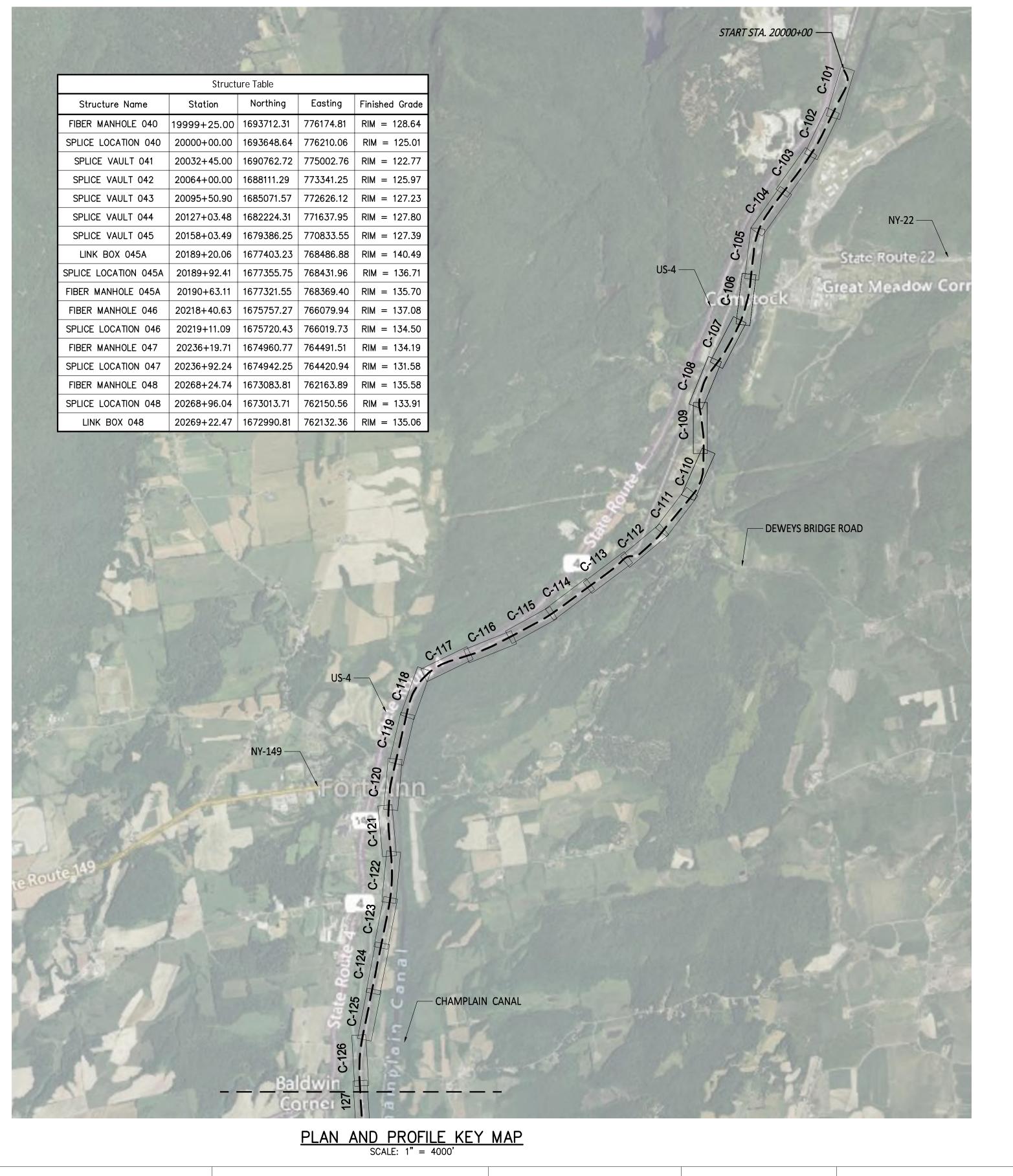
CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY LEGEND AND ABBREVIATIONS

APPROVED

KIEWIT PROJECT NO. 21162 CHA PROJECT NO. 066076 DRAWING NO.

G-004

DRAWN BY: JJE DESIGNED BY: JTM APPROVED BY: JPR REV. NO.



Structure Table Station Northing | Easting | Finished Grade Structure Name - NY-149 FIBER MANHOLE 049 20278+33.02 | 1672101.25 | 761937.58 | RIM = 137.48 SPLICE LOCATION 049 | 20279+08.60 | 1672027.56 | 761920.78 | RIM = 133.96 FIBER MANHOLE 049A | 20306+77.75 | 1669302.51 | 761582.03 | RIM = 130.90 SPLICE LOCATION 049A | 20307+54.97 | 1669225.24 | 761585.26 | RIM = 129.60 FIBER MANHOLE 050 | 20323+74.33 | 1667615.97 | 761679.21 | RIM = 136.47 SPLICE LOCATION 050 | 20324+46.10 | 1667544.43 | 761672.00 | RIM = 134.27 LINK BOX 050 20324+50.41 | 1667539.53 | 761685.97 | RIM = 0.00 20352+82.02 | 1664784.11 | 761111.58 | RIM = 137.41 FIBER MANHOLE 051 SPLICE LOCATION 051 | 20353+57.28 | 1664709.38 | 761101.41 | RIM = 135.51 FIBER MANHOLE 052 | 20380+32.87 | 1662083.62 | 760590.34 | RIM = 137.48 SPLICE LOCATION 052 | 20381+07.25 | 1662009.27 | 760586.55 | RIM = 135.71 FIBER MANHOLE 053 | 20412+03.40 | 1658928.46 | 760693.76 | RIM = 131.93 SPLICE LOCATION 053 | 20412+76.88 | 1658854.94 | 760695.20 | RIM = 129.45 LINK BOX 053 20413+19.73 | 1658811.55 | 760687.60 | RIM = 0.00 FIBER MANHOLE 054 | 20444+36.93 | 1655698.07 | 760766.04 | RIM = 131.96 SPLICE LOCATION 054 | 20445+17.02 | 1655618.00 | 760761.81 | RIM = 129.92 FIBER MANHOLE 055 | 20476+81.56 | 1652534.81 | 760190.56 | RIM = 133.42 SPLICE LOCATION 055 | 20477+61.77 | 1652460.38 | 760160.47 | RIM = 130.26 FIBER MANHOLE 056 | 20509+32.78 | 1649475.95 | 759095.60 | RIM = 133.42 SPLICE LOCATION 056 | 20510+06.56 | 1649407.34 | 759068.37 | RIM = 140.09 20510+85.04 | 1649335.87 | 759035.22 | RIM = 0.00 Structure Table Northing Easting | Finished Grade Station Structure Name FIBER MANHOLE 057 | 20541+75.44 | 1646466.21 | 757914.91 | RIM = 147.00SPLICE LOCATION 057 | 20542+49.63 | | 1646402.26 | 757877.18 | RIM = 143.25 FIBER MANHOLE 058 | 20574+20.22 | 1643613.48 | 756369.60 | RIM = 145.22 1643548.37 20607+04.26 | 1640756.20 | 754813.72 | RIM = 145.00 FIBER MANHOLE 059 SPLICE LOCATION 059 | 20607+39.27 | 1640719.83 | 754807.36 | RIM = 145.88 LINK BOX 059 20607+74.18 | 1640695.39 | 754779.16 | RIM = 145.00 SPLICE LOCATION 060 | 20639+83.32 | | 1638155.26 | 752837.08 | RIM = 142.43 FIBER MANHOLE 060 FIBER MANHOLE 061 $1635707.82 \mid 750830.15 \mid RIM = 143.17$ SPLICE LOCATION 061 | 20672+26.30 | 1635648.15 | 750785.67 | RIM = 141.00FIBER MANHOLE 062 20704+06.88 1633190.86 | 748734.20 | RIM = 142.76SPLICE LOCATION 062 | 20704+74.95 | 1633140.97 LINK BOX 062 FIBER MANHOLE 063 | 20734+48.09 | 1630873.69 | 746831.86 | RIM = 146.53 SPLICE LOCATION 063 | 20735+23.46 | 1630840.30 | 746764.20 | RIM = 144.72 FIBER MANHOLE 064 | 20777+63.28 | 1627759.19 | 743916.22 | RIM = 136.45 SPLICE LOCATION $064 \mid 20778+38.15 \mid 1627700.71 \mid 743869.26 \mid RIM = 134.19$ PLAN AND PROFILE KEY MAP

SCALE: 1" = 4000'

Champlain Hudson **Power Express**







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JJE JPR 03/22/2023 ISSUED FOR CONSTRUCTION SUBMISSION DB | APP | DRAWN BY: JJE | DESIGNED BY: JTM | APPROVED BY: JPR | REV. NO. SUBMITTAL / REVISION DESCRIPTION

CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY PLAN AND PROFILE KEYPLAN

KIEWIT PROJECT NO. 21162 CHA PROJECT NO. DRAWING NO.

G-005

Table 7.1 – Agricultural Lands Location Approximate – see **Location Description** Parcel ID Sheet Number Anticipated Impacts to Agricultural Activities/Land Appendix C for Details) 20186+00 to 20190+00 | West of CP Railroad east of Construction activity will occur within the CP-Railroad ROW/eastern edge Route 4 Lands N/F of of agricultural lands. Anticipated impacts to agricultural lands include Jenkinsville Sand & Gravel clearing along property edge as described in Table 8.4. All impacts to agricultural lands will be fully restored in accordance with Section 14.5. 20338±00 to 20350±00 | CP Railroad within C-123 to C-124 Construction activity will occur within the CP-Railroad ROW within agricultural land - cable west agricultural lands and is not anticipated to impact these areas. of tracks east of Route 4 121.00-1-17 C-128 to C-129 20407+00 to 20428+00 | CP Railroad within/adjacent The majority of construction activity will occur within the CP-Railroad (west) of agricultural land-ROW except for the installation of an access road as described in Table 4.6 cable west of tracks east of All impacts to agricultural lands will be fully restored in accordance with Route 149 130.-3-1 20428÷00 to 20447+50 | CP Railroad within/adjacent C-129 to C-130 Construction activity will involve the installation of the alignment, and tree (west) of agricultural landand vegetation clearing as described in Table 8.4 will impact these cable west of tracks east of agricultural lands. All impacts to agricultural lands will be fully restored in Route 149 accordance with Section 14.5. 130.-3-7.3 C-130 & C-215 West of CP Railroad agricultural lands registered with Washington County Ag District 7. Access road will be constructed perpendicular to the CP-Railroad ROW as described in Table 4.6. All impacts to agricultural lands will be fully estored in accordance with Section 14.5. 20447+50 to 20549+00 | West of CP Railroad Agricultural lands registered with Washington County Ag District 7. 130,-3-7,3 C-130 to C-137 130.-3-7.4 Construction activity will occur within CP-Railroad, except for portions of 130,-3-7,1 the access roads as described in Table 4.6, the exit and entry points for 130-3-7.5 HDD#16 & #17. All impacts to agricultural lands will be fully restored in 130-3-7.12 accordance with Section 14.5. 139.-1-13 139,-1-3 139.-1-3.1 138.-1-21.2 130,-3-7,4 C-132 & C-216 | 20466+00 agricultural lands registered with Washington County Ag District 7. Access West of CP Railroad road will be constructed perpendicular to the CP-Railroad ROW as described in Table 4.6. Kingsbury Show Up Yard located on this parcel as described in Table 5.2. All impacts to agricultural lands will be fully restored in accordance with Section 14.5 C-135 & C-217 | 20512+00 139.-1-3 West of CP Railroad agricultural lands registered with Washington County Ag District 7. Access road will be constructed perpendicular to the CP-Railroad ROW as described in Table 4.6. All impacts to agricultural lands will be fully stored in accordance with Section 14.5 | C-137 to C-138 & | 20549±00 to 20580±00 | West of CP Railroad Ag land registered with Washington County Ag District 7. Construction activity including installation of the alignment via HDD#17 and via 138-1-21.1 C-216 trenching will occur within the CP-Railroad ROW except for portions of the access roads and portions of the HDD assembly areas that are located parallel to the tracks. All impacts to agricultural lands will be fully restored in accordance with Section 14.5 138.-1-21.1 C-139 & C-218 | 20576÷00 West of CP Railroad agricultural lands registered with Washington County Ag District 7. Access road will be constructed perpendicular to the CP-Railroad ROW as described in Table 4.6. All impacts to agricultural lands will be fully estored in accordance with Section 14.5 Construction activity will occur within CP-Railroad ROW and is not 20580+00 to 20614+00 | West of CP Railroad C-139 to C-141 138.-1-24 anticipated to impact these areas. agricultural lands registered with Washington County District 7. 147.-1-17 20650+00 to 20670+00 | West of CP Railroad east of Towpath Road – cable west of | Construction activity associated with the installation of the alignment via HDD#18 will be located within these agricultural lands adjacent to the CP-Railroad ROW. An access road as described in Table 4.6 will be constructed within these agricultural lands. All impacts to agricultural lands will be fully restored in accordance with Section 14.5. 20706+00 to 20711+00 | West of CP-Railroad 155.-1-2.1 C-148 & C-220 agricultural lands registered with Washington County Ag District 7. Access road will be constructed perpendicular to the CP-Railroad ROW as described in Table 4.6. All impacts to agricultural lands will be fully estored in accordance with Section 14.5. | C-148 to C-150 | 20711±00 to 20740±00 | West of CP-Railroad Construction activity will take place within the CP-Railroad ROW except 155.-1-6 155.-1-8 for the installation of an access road as described in Table 4.6, and the

Note: Table 7.1 summarizes the agricultural lands identified in this Package. Section 7.1 describes the procedures to be followed for all construction related activity within agricultural lands.

south of NY Route 196

PACKAGE 2 - AGRICULTURAL DISTRICT LANDS

155.-1-9

155.-1-11

155.-1-13 154.-1-15

154.-1-16

THE STORMWATER POLLUTION PREVENTION PLAN INCLUDED IN APPENDIX G OF THE EM&CP DESCRIBES THE EROSION AND SEDIMENT CONTROLS THAT WILL BE FOLLOWED FOR THIS PACKAGE.

20740±00 to 20756±00 Northeast of CP Railroad and

2. THE EROSION AND SEDIMENT CONTROL PLANS CAN BE FOUND ON SHEET C-400 TO SHEET C-427 FOR

PACKAGE 2 - EM&CP EROSION AND SEDIMENT CONTROL NOTES

1. THE NOISE RECEPTORS THAT MAY OCCUR NEAR THIS PACKAGE AT VARIOUS POINTS INCLUDE RESIDENCES AND BUSINESSES. SECTION 10.2 DESCRIBES THE NOISE CONTROL MEASURES THAT WILL BE EMPLOYED

PACKAGE 2 - EM&CP NOISE SENSITIVE AREAS NOTE

Chapter 4 – Construction Methods

Chapter 4 - Construction	ii ivi e tirous
Торіс	Section of EM&CP
Cable Installation Requirements	4.2
Horizontal Directional Drilling	4.3
Installation and Performance Controls	4.3.1
Buildings and Structures within 100-ft of HDD	4.3.2
Inadvertant Release Contingency Plan and Drilling	4.2.2 Annondin I
Fluid Management	4.3.3, Appendix J
Road and Railroad Crossing Methods	4.3.4
Trenching	4.4
Trenching in Agricultural Lands	4.4.1
Trenching in Roadways	4.4.2
Trenching in Wetlands	4.4.3
Length of Open Trench	4.4.4
Splicing and Jointing	4.4.5
Dewatering Methods	4.4.6
Bedding and Backfilling Methods	4.4.7
Dredging	Note Applicable for this Segment
Converter Station and Substation Requirements	Note Applicable for this Segment
Right of Ways and Easements	4.7
Right of Way Clearing	4.8 (See also Chapter 8)
Building and Structure Removal	4.9
Access Roads	4.10
Access Road Types	4.10.1
Driveway Access During Construction	4.10.2
Access Through Wetlands or Streams	4.10.3
Access Through Agricultural Lands	4.10.4
Drain Lines and Under Drains Within Agricultural	4 10 5
Lands	4.10.5
Soil and Materials Management Plan	4.11 and Appendix L
Culvert Replacement	4.12
Rock Removal	4.13
Inadvertant Damage to Existing Utilities	4.14
Note: The Table above summarizes the construction	methods and associated subsections

Note: The Table above summarizes the construction methods and associated subsections that summarize the measures and standards that will be followed within this Segment.

PACKAGE 2 - CONSTRUCTION METHODS

Table 8.2 – Tree and Vegetation Clearing Methods

Method Type	Method Title	Method Description
Type I	Hand Cutting (HC)	This method employs a hand-held chain saw. It is selective but is slower and more expensive than motorized mechanical devices. Residential areas, buffer zones, wetlands, and highway screens are areas where hand cutting is typically prescribed.
Type II	Mechanical Clearing Machine (HA)	This term usually refers to a machine known as the Hydro- ax or Kershaw mower. This machine can cut trees up to 10 inches in diameter at the rate of several acres a day, depending on stem density and terrain. It is essentially nonselective and a good device for clearing rights-of-way that are composed of young undesirable species in a relatively uniform stand.
Type III	Mowing	This technique is primarily used in areas of herbaceous vegetation. Terrain must be relatively flat with no gullies or rocks.
Type IV	Mechanical whole-tree felling equipment	This method allows controlled felling and loading of whole trees while minimizing damage to adjacent trees. Where vegetation is cleared, erosion and sediment control measures will be installed and monitored until the topsoil is stabilized and can support grassy vegetation.

vegetation and tree clearing and removal will follow the specifications in Section 8.1.

PACKAGE 2 - TREE CLEARING METHODS

GIS FEMA DATA NOT AVAILABLE FOR WASHINGTON COUNTY, FEMA FIRM MAPS ARE PROVIDED IN APPENDIX D OF THE STORMWATER POLLUTION PREVENTION PLAN WHICH IS INCLUDED IN APPENDIX G OF THE EM&CP.

PACKAGE 2 - FEMA

1. SECTION 11.0 AND APPENDIX O DESCRIBE THE CULTURAL RESOURCES IDENTIFIED WITHIN THIS PACKAGE AND THE BEST MANAGEMENT PRACTICES TO FOLLOW TO PROTECT THESE RESOURCES. SECTION 11.3 AND 11.4 DESCRIBE THE PROCEDURES TO FOLLOW DURING THE UNANTICIPATED DISCOVERY OF ARCHEOLOGICAL RESOURCES OR HUMAN REMAINS.

PACKAGE 2 - FEMA

Table 8.3 - Tree and Vegetation Disposal Methods

Method Type	Method Title	Method Description
Туре А	Construction Use	Logs may be utilized as needed during construction for wetland access, cribbing, retaining walls, or other uses. Following use, any logs unsuitable for firewood, saw logs, or chipping will be transported off the ROW to an approved disposal site (Appendix L.).
Туре В	Log Piles	Logs not needed for construction will be removed from the ROW to an approved disposal area (Appendix L).
Туре С	Sale	Where sufficient merchantable volume exists on the site, logs may be sold to a third party. Where appropriate and practical, and with the agreement of landowners, unsold logs will be hauled to accessible locations for salvage by the general public in accordance with the substantive requirements of 6 NYCRR Part 192.5, firewood restrictions to protect forests from invasive species.
Type D	Tree/Log Chipping	When logs cannot be reused or sold, they will be chipped on site. The resulting wood chips will be piled in upland areas within the ROW or transported off ROW to an approved disposal site (Appendix L). Wood chips will be spread three (3) to five (5) inches thick with fertilizer spread over the chips to minimize soil nitrogen depletion due to cellulose decomposition.
Туре Е	Vegetation Chipping	Vegetation including tree limbs may be chipped to reduce debris volume. See Type D for the disposal of chips.
Туре F	Vegetation Hauling	Vegetation and stumps may be hauled to a NYSDEC approved location (Appendix L) or other suitable off-site location with the approval of the landowner and all applicable permitting agencies.
Туре G	Vegetation Burial	Stumps may be buried on the ROW with landowner agreement. The burial areas will be sufficiently compacted and monitored after construction to assure that settling does not occur. Where significant settling after construction has been identified by the Construction Inspector et. al., finished grade will be reestablished using locally obtained run-of-bank material and/or topsoil and re-seeded as appropriate as specified in Sections 14.2. Areas where significant amounts of stump burial occur will be noted on As-Built drawings and monitored for settling during ROW condition surveys and maintenance activities.

Note: (1) Disposal Sites are listed in Appendix L. Table 8.3 describes the tree and vegetation disposal methods that may be used for this Package. The list of disposal locations included in Appendix L will be submitted to DPS and NYSDEC prior to construction.

PACKAGE 2 - TREE AND VEGETATION CLEARING AND DISPOSAL METHODS

Table 7.2 – Recreational Areas

Segment/ Package	Recreational Area	Location (Approximate – see Drawings for Details)
3/2	Recreational Area Along the Canal	20024+00 to 20025+00 (C-102)
3/2	Champlain Canal Boat Lock #11 (outside LOW)	20032+25 to 20041+00 (C-103)
3/2	Fort Ann Kayak Launch Docks (outside LOW)	20293±00 to 20296±00 (C-120)

Note: Table 7.2 identifies the recreational areas within this Package. Section 7.2 describe the procedures to be followed within recreational areas. Section 14.2.4 summarizes the cleanup and restoration procedures that will be followed after construction in a recreational area is complete.

PACKAGE 2 - RECREATIONAL AREAS

- SECTION 12.2 ROAD & HIGHWAY CROSSING & 13.3 UTILITY CROSSINGS OF THE EM&CP DESCRIBES THE MITIGATION MEASURES THAT WILL BE FOLLOWED FOR ALL TRANSPORTATION AND UTILITY CROSSINGS.
- 2. TABLE 13.2 IN THE EM&CP DESCRIBES THE RAILROAD CROSSINGS THAT WILL OCCUR WITHIN THE PHASE 1 SEGMENT. SECTION 13.2 OF THE EM&CP SUMMARIZES THE MITIGATION MEASURES THAT WILL BE FOLLOWED FOR ALL RAILROAD CROSSINGS. THERE WERE NO IDENTIFIED RAILROAD CROSSINGS WITHIN THE LIMITS OF PACKAGE 2
- 3. TABLE 13.1 IN THE EM&CP DESCRIBES THE UTILITY CROSSINGS THAT WILL OCCUR WITHIN THE PHASE 1 SEGMENT, SECTION 13.3 OF THE EM&CP SUMMARIZES THE MITIGATION MEASURES THAT WILL BE FOLLOWED FOR ALL UTILITY CROSSINGS. ADDITIONALLY THESE UTILITY CROSSING CAN BE FOUND ON THE PLAN AND PROFILE SHEETS C-101 TO C-127.

PACKAGE 2 - TRANSPORTATION AND UTILITY CROSSINGS

Champlain Hudson **Power Express**





associated HDD#20 assembly area. All impacts to agricultural lands will be

Construction activity will involve the installation of the alignment via HDD

of temporary access road as described in Table 4.6. All impacts to agricultural lands will be fully restored in accordance with Section 14.5.

#20 and HDD#21A, installation of the alignment via trenching, construction

fully restored in accordance with Section 14.5.



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0	03/22/2023	ISSUED FOR CONSTRUCTION SUBMISSION	JJE	JPR	l

CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY EM&CP DATA TABLES (1 OF 6)

KIEWIT PROJECT NO. 21162 CHA PROJECT NO. DRAWING NO.

G-011

03/22/2023

AI TERED. THE ALTERING ENGINEER. ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THFIR SIGNATURE. THE DATE OF SUCH ALTERATION, AND A AS NOTED DATE DRAWN BY: JJE DESIGNED BY: JTM APPROVED BY: JPR REV. NO.

Table 8.4 – Tree and Vegetation Clearing Locations Location (Approximate - See Drawings for Tree Clearing Description Sensitive Area Method Type Details) 3/2 Vegetation Clearing C-101 20008+00 to 20009+50 Type II, III Residential C-107 to 20094+40 to 20100+75 Vegetation Clearing Wetland CWWW C-108 30103+50 to 20105+25 20094+50 to 20095+30 20095+75 to 20096+75 C-107 20097±50 to 20098±00 Wetland CWWW Tree Clearing 20098+50 to 20099+50 20102+75 to 20103+50 20116÷50 to 20128÷25 Vegetation Clearing Wetland CYYY C-109 C-111 to 20157÷25 to 20158÷00 Vegetation Clearing Wetland CBZ C-112 20162+25 to 20165+50 3/2 20162+25 to 20165+50 Wetland CGZ Tree Clearing Type IV C-112 20166÷25 to 20167÷50 Wetland CGZ, Wetland 3/2 C-112 20169+00 to 20170+75 Tree Clearing CA 20174÷75 to 20179÷00 20166±00 to 20170±75 Wetland CGZ, Wetland Vegetation Clearing | C-112 Type I 20171+50 to 20179+00 $\mathsf{C}\mathsf{A}$ Vegetation Clearing Type I, II III N/A Along access road 214 20188±00 to 20190±75 C-113 20191±00 to 20192±50 Type IV Agricultural Lands Tree Clearing 20193±00 Vegetation Clearing | C-113 | 20183+50 to 20195+00 | Agricultural Lands Tree & Vegetation | C-114/C-Along access road Type I Residential Clearing Vegetation Clearing C-114 20207+25 to 20209+00 N/A 20198±00 to 20198±75 20199+25 to 20199+75 20200+50 to 20200+75 C-114 Type IV 3/2 N/A Tree Clearing 20201+00 to 20201+75 20205±00 to 20206±15 20206+75 to 20209+25 20217±00 to 20220±00 Vegetation Clearing | C-115 Type I, II, III Wetland GRZ 20221+00 to 20223+00 2021 I+75 to 20214+25 20219+75 to 20220+25 3/2 Type IV Wetland GRZ Tree Clearing 20221±00 to 20223±00 20224+00 to 20225+00 3/2 20224+50 to 20226+25 Vegetation Clearing Wetland GRZ C-116 20227+00 to 20227+40 Type I, II, III 3/2 Vegetation Clearing C-116 Wetland GRB 20227+80 to 20234+00 20235±00 (Along Access C-116 Type I, II, III, IV N/A Clearing Vegetation Clearing C-117 Type I. II. III 22235±00 to 20249±50 Wetland GRDD 20229+50 to 20232+00 Wetland GRZ & C-R-C-116 20235±00 to 20235±50 Tree Clearing CC 20238+50 to 20239+75 3/2 C-117 20245+50 to 20249+50 Tree Clearing Wetland GRDD C-118 to 20263+00 to 20281+00 Wetland FF Vegetation Clearing Type I, II, III C-119 20263±00 to 20266±00 C-118 3/2 N/A Tree Clearing Type IV 20267±00 to 20269±25 20276+75 to 20279+50 3/2 C-119 Wetland EE & FF Tree Clearing C-119/C- 20279±00 (Along Access 3/2 Vegetation Clearing Type I, II, III Wetland EE 218 20289+75 to 20293+50 3/2 C-120 20296+50 to 20297+75 Wetland G-R-FF Tree Clearing 20297+00 to 20298+25 C-120 to 3/2 20299+50 to 20319+00 Type IV Wetland G-R-FF Tree Clearing C-122 C-119 to 3/2 Vegetation Clearing 20296+00 to 20332+00 Type I, II, III Wetland G-R-FF C-123 3/2 C-122 20323+00 to 20328+60 Tree Clearing Type IV N/A 20329+00 (Along Access Tree & Vegetation 3/2 C-122 Type I, II, III, & IV N/A Clearing 3/2 C-123 20330+50 to 20233+00 Type IV N/A Tree Clearing 3/2 20337±00 to 20353±00 N/A Tree Clearing Type IV C-124 20353+25 to 20353+75 20354+00 to 20354+25 20354+50 3/2 C-124 Tree Clearing Type IV N/A 20354+75 20355+40 to 20355+60 20356±00 to 20357±25 20337+00 to 20387+00 Vegetation Clearing Wetland CC Tree & Vegetation | C-124/C- | 20357+50 (Along Access 3/2 Type I, II, III, & IV Wetland CC 214 C-125 to 3/2 Tree Clearing 20361+50 to 20379+50 Type IV N/A C-126 20381+00 to 20381+50 20384+00 to 20384+75 3/2 C-126 20385+00 to 20385+25 Type IV N/A Tree Clearing 20388+00 to 20388+50 20389+25 to 20390+00

3/2	Tree Clearing	C-127	20390+00 to 20391+00 20392+75 tp 20394+00; Various Single Trees from: 20394 to	Type IV	Agricultural Lands
			20399+00; 20400+50 to 20404+25		
3/2	Tree Clearing	C-128	20404+50 to 20405+00 20405+00 to 20420+00	Type IV	Agricultural Lands
3/2	Vegetation Clearing	C-129	20420+00 to 20421+00	Type I, II, III	Agricultural Lands
3/2	Tree Clearing	C-129	20422÷00 to 20423÷00 20424÷00 to 20431÷50	Type IV	Agricultural Lands
3/2	Vegetation Clearing	C-129 to	20426+00 to 20446+00	Type I, II, III	Agricultural Lands
		C-130			
3/2	Tree Clearing	C-130 to	20436+50 to 20449+00	Type IV	Agricultural Lands Wetland CH.
3/2	Vegetation Clearing	C-132	20447+25 to 20465+00	Type I, II, III	Agricultural Lands
3/2	Tree Clearing	C-130/C- 215	Along Access Road	Type IV	Agricultural Lands
		213	20450+00 to 20451+25 20451+75 2042+25 to 20454+00;		
3/2	Tree Clearing	C-131	Various Single Trees from: 20455+00 to 20458+50; 20459+00 to 20459+50 20459+75 to 20460+25 20460+50 to 20462+00 20462+25 to 20464+00	Type IV	Agricultural Lands
3/2	Tree Clearing	C-132	20465+00 20466+00 to 20467+25 20467+50 to 20467+75 20468+25 to 20471+00 20471+25 to 20471+75 20472+50 to 20473+50 20476+00 to 20480+00	Type IV	Agricultural Lands
3/2	Vegetation Clearing	C-132 to	20466+50 to 20495+00	Type I, II, III	Agricultural Lands
3/2	Tree Clearing	C-133 C-133	20492+75 to 20494+00	Type IV	Agricultural Lands
3/2	Vegetation Clearing	C-134 to	20505+00 to 20537+00	Type I, II, III	Wetland G-R-NN,
	108000000000000	C-136	20500+25 to 20501+50	13 bx 1, 12, 111	Agricultural Lands
3/2	Tree Clearing	C-134	20500+25 to 20503+50 20503+00 to 20503+50 20504+25 to 20507+25 20508+50 to 20508+75 20509+50 20510+00	Type IV	Agricultural Lands
3/2	Vegetation Clearing	C-135/C-	20511+00 (Along Access	Type I, II, III	Wetland G-R-NN.
3/2	Tree Clearing	217 C-135	Road) 20512+25 to 20512+50 20513+25 to 20514+75 20515+25 to 20516+75	Type IV	Agricultural Lands Agricultural Lands
3/2	Tree Clearing	C-136	20517+25 to 20518+75 20535+50 to 20537+00	Type IV	Wetland G-R-NN,
3/2	Vegetation Clearing	C-137	20544+50 to 20546	Type I or II	Agricultural Lands N/A
3/2	Tree Clearing	C-137	20541+75 to 20542+25 20543+00 to 20544+50 20546+50 to 20547+00	Type IV	Agricultural Lands, Wetland G-R-OO
3/2	Vegetation Clearing	C-137 to	20555÷00 20551÷00 to 20648÷50	Туре І, ІІ, ІІІ	State Wetland Buffer,
3/2	Tree Clearing	C-144 C-138	20557+50 20563+00 to 20563+50	Type IV	Agricultural Lands Agricultural Lands, Western G. P. OO
		C-139/C-	20568+50 to 20568+75 20576+50 (Along Access		Wetland G-R-OO
3/2	Vegetation Clearing	216	Road)	Type I, II, III	Agricultural Lands
3/2	Tree Clearing	C+140	20585+50 to 20588+50 20589+50 to 20590+50; Various Single Trees from: 20591+00 to 20594+50; 20595+00 to 20597+00	Type IV	N/A
3/2	Tree Clearing	C-140 to	20597+75 to 20598+00 20599+00 to 20601+00	Type IV	N/A
3/2	Tree Clearing	C-141 C-141	20602+00 to 20602+75; Various Single Trees from: 20603+00 to 20605+25; 20605+50 to 20606+50 20606+75 to 2060725 20607+75 to 20608+25; Various Single Trees from	Type IV	N/A
3/2	Tree Clearing	C+142	20608+50 to 20613+00; 20616+25 to 20616+60 20617+50 to 20618+25 20619+75 to 20620+50 20621+00 20622+00 to 20623+25 20623+75 to 20624+25 20624+75 to 20625+50	Type IV	State Wetland Buffer
3/2	Tree Clearing	C-143	20630+25 to 20630+50; Various Single Trees from 20630+75 to 20632+00; Various Single Trees from; 20636+00 to 20644+00;	Type IV	State Wetland Buffer

3/2	Vegetation Clearing	C-143/C- 218	20643+50 (Along Access Road)	Type IV	State Wetland Buffer Wetland G-R-RR
3/2	Tree Clearing	C-144	20645+25 20646+00 20646+50 20648+50 to 20648+75	Type IV	State Wetland Buffe
3/2	Vegetation Clearing	C-144 to C-147	20654+50 to 20697+50	Type I, II, III	Agricultural Lands, State Wetland Buffe
3/2	Tree Clearing	C-146	20677+00 20678+50 20679+50 20680+75 to 20681+25 20681+50 to 20682+25 20683+00 20686+50 to 20687+00 20687+25 to 20687+50 20687+75 to 20688+25 20688+50 20689+25 to 20689+75	Туре IV	State Wetland Buffe
3/2	Tree Clearing	C-147	20690+00 20691+00 to 20691+60 20692+25 20693+00 20695+25 to 20699+75 20701+25 to 20704+50	Туре IV	State Wetland Buffe
3/2	Vegetation Clearing	C-147 to C-150	20702+25 to 20738+00	Турс І, ІІ, ПІ	State Wetland Buffer Agricultural Lands
3/2	Tree Clearing	C-148	20705+50 to 20709+00 20710+25 to 20710+75 20711+80 20715+75 to 20716+50 20718+50 to 20719+50	Type IV	State Wetland Buffe
3/2	Tree Clearing	C-149	20720+50 to 20725+50 20725+75 to 20726+75 20727+00 to 20727+50 20729+25 to 20730+00 20730+50 to 20735+00	Type IV	State Wetland Buffe
3/2	Tree Clearing	C-150	20749+25 20749+75	Type IV	Agricultural Land
3/2	Tree Clearing	C-151	20750+25 20755+75 to 20756+50	Type IV	Agricultural Land
3/2	Tree Clearing	C-152 to C-153	20775+25 to 20781+00	Type IV	N/A
3/2	Vegetation Clearing	C-204	Construction Entrance of Kingsbury Show Up Yard	Туре І	Wetlands
3/2	Tree Clearing	C-218	Access Road at 20204+00	Type IV	N/A
3/2	Tree & Vegetation Clearing	C-221	Splice Location Along 064 Access Drive Off Towpath Lane (≈ Sta. 20746+75 to 202775+25)	Type II, III & IV	N/A
3/2	Tree & Vegetation Clearing	C-222	Splice Location Along 064 Access Drive Off Towpath Lane (≈ Sta. 202775+00 to 20785+00)	Type II, III & IV	N/A
3/2	Tree & Vegetation Clearing	C-223	Splice Location Along 064 Access Drive Off Towpath Lane	Type II, III & IV	N/A
3/2	Tree & Vegetation Clearing	C-224	Splice Location Along 064 Access Drive Off Towpath Lane	Type II, III & IV	N/A

Note: Table 8.4 identifies the clearing locations and methods within this Package. The following sections describe the procedures that will be followed for these environmentally senstivie areas.

1. Wetlands: Section 8.2.1 and 9.1.

2. Stream Crossing: Section 8.2.1 and Section 9.1.

3. Threatened and Endangered Species/Sensitive Habitats: Section 9.3.

4. Agricultural Lands: Section 8.2.2.

PACKAGE 2 - TREE AND **VEGETATION CLEARING LOCATIONS**









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 ACHIERD, 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	DR
0	03/22/2023	ISSUED FOR CONSTRUCTION SUBMISSION	JJE	JPR	

CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY EM&CP DATA TABLES (2 OF 6)

KIEWIT PROJECT NO. 21162 CHA PROJECT NO. DRAWING NO.

G-012

03/22/2023

RAWN BY: JJE DESIGNED BY: JTM APPROVED BY: JPR REV. NO.

Locations								
Segment/ Package	Location (Approximate- see Drawings for Details)	Sheet Number	Staging Area Description					
3/2	20004+95	C-101	HDD-9 Entry Area					
3/2	20010+50	C-101	HDD-9 Exit Area					
3/2	20075+10	C-106	HDD-10 Entry Area					
3/2	20087+40	C-106	HDD-10 Exit Area					
3/2	20104+90	C-107 to C-108	HDD-11 Entry Area					
3/2	20116+90	C-108	HDD-11 Exit Area					
3/2	20178+50	C-112	HDD-12 Entry Area					
3/2	20187+70	C-113	HDD-12 Exit Area					
3/2	20193+10	C-113	HDD-12A Entry Area					
3/2	20207+90	C-114	HDD-12A Exit Area					
3/2	20248+75	C-117	HDD-13 Entry Area					
3/2	20263±90	C-118	HDD-13 Exit Area					
3/2	20281+00	C-119	HDD-13A Entry Area					
3/2	20290+25	C-120	HDD-13A Exit Area					
3/2	20292+00	C-120	HDD-14 Entry Area					
3/2	20300+10	C-120 to C-121	HDD-14 Exit Area					
3/2	20331+25	C-123	HDD-14A Entry Area					
3/2	20337+40	C-123	HDD-14A Exit Area					
3/2	20418+10	C-128	HDD-15 Entry Area					
3/2	20424+30	C-129	HDD-15 Exit Area					
3/2	20499+00	C-134	HDD-16 Entry Area					
3/2	20505+40	C-134	HDD-16 Exit Area					
3/2	20546+00	C-137	HDD-17 Entry Area					
3/2	20551+60	C-137	HDD-17 Exit Area					
3/2	20649+00	C-144	HDD-18 Entry Area					
3/2	20655+20	C-144	HDD-18 Exit Area					
3/2	20696+60	C-147	HDD-19 Entry Area					
3/2	20702+60	C-147	HDD-19 Exit Area					
3/2	20737+30	C-150	HDD-20 Entry Area					
3/2	20749+30	C-150	HDD-20 Exit Area					
3/2	20756+50	C-151	HDD-21 Entry Area					
3/2	20776+25	C-152	HDD-21 Exit Area					
3/2	20780±00	C-152 to C-153	HDD-21A Entry Area					
3/2	20799+30	C-154	HDD-21A Exit Area					
3/2	20466+00	C-201	Kingsbury Show up Yard					

Note: Table 5.2 summarizes the locations of where construction materials and equipment will be temporarily staged during the construction of this Package. Section 5.4 summarizes the procedures that will be followed for the storage and staging of all construction materials and equipment.

PACKAGE 2 - CONSTRUCTION MATERIAL AND **EQUIPMENT STAGING LOCATIONS**

Method Type	Description	Dimensions	Construction Details
Construction Entrance	Construction entrance	16' standard or 20' perpendicular; 50' minimum length	Placed on geofabric 12" thick minimum
Type I	Paved or existing gravel roads requiring minor or no maintenance (e.g., Parking lots, Local/state roads, Railroad or private gravel roads)	14° standard, 16° splice access, 20° perpendicular	• 0`` to 6`` of gravel
Туре 2	Existing railroad and gravel access roads	14' standard, 16' splice access, 20' perpendicular	Spot fill & re-grading required Soil stripping, filter fabric, and gravel surfacing required in new area 6° of gravel
Type 3	Proposed new roads (roads shown in places without existing access)	14' standard, 16' splice access, 20' perpendicular	Soil stripping on average to be 4" Cut slopes based on type of material encountered but no steeper than ½ h to 1 v Fill slopes based on type of material encountered but no steeper than 1 h to 1 v Placed on geo-fabric 12" of gravel
Type 4	Temporary construction access through wetlands, streams, or marshy terrain	14' standard, 16' splice access, 20' perpendicular	Utilizing standard timber 8"x4'x16' erane mats -3-ply matting may be used as a substitute (except when crossing streams)
Type 4A	Temporary construction access through wetlands, streams, or marshy terrain when matting is not practical (e.g., sinking mats). Used only in extreme cases; typically, will only be implemented after a Type 4 road has been attempted and determined to be unsuitable.	14' standard, 16' splice access, 20' perpendicular	•Filter fabric •2` of rip-rap •4" of gravel to top off
Type 5	Temporary construction access through agricultural fields	14' standard, 16' splice access, 20' perpendicular	3-ply mats or timber matting; requires moving to establish road

Note: Table 4.5 summarizes each access road type, its dimensions, proposed use, and additional construction details. Section 4.10 describes the procedures to be followed during the construction of all access roads

PACKAGE 2 - ACCESS ROAD TYPES





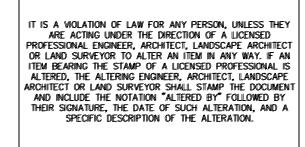


Table 4.6 – Access Roads

Land Owner

Delaware & Hudson Railway Corp.

Delaware & Hudson Railway Corp.

Jenkinsville Sand & Gravel

Jenkinsville Sand & Gravel

George W. Sherwood

William R. Graves, George W

Sherwood

National Grid

State of New York

Street, Parallel to New York, Delaware & Hudson Raily Temporary; Type 3

Village of Fort Ann, State of New

nn Street, Parallel to York, Delaware & Hudson Railway Temporary, Type 3, 4

Delaware & Hudson Railway Corp.

Delaware & Hudson Railway Corp.

Land of Walker Farms, LLC

Timothy E. Barrett

Delaware & Hudson Railway Corp.,

Farms LLC

Timothy E Barrett, Michael B

Wall, Robert C. Lalonde,

CV Land Holdings LLC

CV Land Holdings LLC

CV Land Holdings LLC, Valentin

Kuster, West Main Street LLC,

Peckham Materials Corp.,

Delaware & Hudson Railway Corp.

Valentin Kuster

West Main Street LLC

State of New York, Lucy H. Burch,

Nancy L. Grahm-Bruno, Deborah

M. Havens

Lucy H. Burch

Lucy H. Burch

Ryan H. Bradley, State of New

Ryan H, Bradley

Ryan H. Bradley, Joseph P. Porlier,

Bryan Boyce, Bill Rogers, Mary

Hurley

Joseph P. Prolier

Dorothy M. Crowley

Daniel L. Ripley, Mary Hurley

Mary Hurley,

PACKAGE 2 - ACCESS ROAD

Notes: Table 4.6 identifies each proposed access road in this package, their locations, their access road type from Table 4.5, and any sensitive areas that are crossed. For access roads that are perpendicular to the alignment, the disturbance zone in which sensitive areas was evaluated begins at the end of the Railroad or Road ROW

ccess Road Paraflel Delaware & Hudson Railway Corp.,

York, Delaware & Hudson Railway | Temporary; Type 3, 4

New York State Old Canal, Walker | Temporary; Type 3, 5

pproximate – see

Drawings for

End of Package 1C)

15305+25 to

20001+75

20178+25

20182+00

20182+00 to

20280+50

20204+00

20235+00

20280+00

20290+50 to

20295+50

20296+00 to

20331+75

20328+87

20339+00 to

20382+50

20357+00

20382+75 to

20420+25

20419+50

20425+00 to

20502+00

20446+00

20466+00

20502±25 to

20613+56

20512+00

20576+00

20614+00 to

60648+00

20643+00

20655+25 to

20739+25

20674+00

20707+00

20747+00 to

20747+00

3/2

3/2

3/2

3/2

3/2

3/2

3/2

3/2

3/2

3/2

3/2

3/2

3/2

3/2

3/2

3/2

3/2

3/2

3/2

3/2

3/2

3/2

3/2

C-101

C-112

C-113 to C

C-114 & C

C-116 & C

C-119 & C

C-120

C-122

C-126 to C-

C-128/C-129

134

C-130 & C

C-132 & C

C-134 to C-

C-138 & C

C-141 to C-

C-143 & C-

C-144 to C-

C-148 & C-

C-150 to C-

151

C-214 to C

Access Road

Description

Access Road

Access Road

Access Road at

East

to Tracks

Access Road at

20204+00

Access Road at

20235±00 (East)

Access Road at

20280+00

Access Road to Ann

Access Road from

At Grade Crossing of

Tracks

to Tracks

Access Road at

20357+00

cess Road Paralle

To Tracks

Access Road at

20419+50

ccess Road Parallel

To Tracks

Access Road at

20446+00

Access Road at

20466+00

ccess Road Parallel

To Tracks

Access Road at

20512+00

Access Road at

20576+00

To Track

Access Road at

20643+00

to Track

Access Road at

20674+00

Access Road at

20707+00

access Road Parallel

to Track Splice Location 064

Access Road off

Towpath Lane

cess Road Parallel

cess Road Parallel

20182+00 West and

ccess Road Parailel

Impacts to

Sensitive Areas

No

Yes-Wetland G-R-

DD & G-R-EE

Stream G-R-SP

Yes - Wetland P2-E

Yes-Wetlands G-R-

FF, G-R-GG, Stream

G-R-S-R, G-R-S-S

Yes - Wetland CC

Yes- Wetland CC

Yes - Wetland CD

Yes-Wetlands G-R-

LL & G-R-MM

Yes - Wetland P2-A

Yes-Wetlands G-R-

Yes-Wetland G-R-

Yes-Wetland G-R-

Yes -Wetland G-R-

Yes – Wetland G-R-

NN & G-R-QQ

Comporary, Type 3, 4, Yes – Wetland P2-G

Crosses

Railroad

No

No

No

No

No

No

Yes

No

No

No

No

No

No

No

No

No

Yes

Private Residence &

Electrical Building/Shed

HDD #20

Land

No

No

Yes

Yes

Yes

Yes

Yes

Type of Access

Temporary; Type 3

Temporary; Type 3

Temporary; Type 3

emporary; Type 3,

Temporary; Type 3

emporary; Type 3, 5

emporary; Type 3, 5

Temporary, Type 3, 4

emporary; Type 3, 4,

Temporary; Type 3, 4

Temporary, Type 3, 4

emporary; Type 3, 5

Temporary; Type 3

femporary; Type 3, 4

Temporary; Type 3

femporary; Type 3,

femporary; Type 3, 4

Temporary; Type 1

ISSUED FOR CONSTRUCTION SUBMISSION DB | APP | DRAWN BY: SUBMITTAL / REVISION DESCRIPTION

APPROVED BY:

HDD#/ Approximate | Structure Parcel/Owner Sheet Number Notes Trench see Drawings for Details) HDD #9 86.1-1-8/Roger M. Harrington C-101 20006+75 West Side of N Old Route 4 Private Residence HDD #9 C-101 Private Residence 86.-1-9/Evelyn A. Constantino 20009+00 West Side of N Old Route 4 HDD #9/ Private Residence 86.-1-9.1 & 86.-3-3/Ray & Joan C-101 20012+00 West Side of N Old Route 4 Trench Garage/Sheds 86.-3-2/Jav P. Manell C-101 20014+00 West Side of N Old Route 4 Trench Private Residence 86.-3-2/Jay P. Manell C-101 20015+00 West Side of N Old Route 4 Pool -Private Residence C-102 86.-3-8/Russell R. Pond 20017+00 West Side of N Old Route 4 Trench Private Residence C-102 to C104 East Side of N Old Route 4 Canal Bulkhead 86.-4-3/State of New York Trench 20049+00 20034+50 to Canal Lock #11 86.-4-3/State of New York C-103 East Side of N Old Route 4 Trench 20038+00 95.-1-13.2/ Michael A., SR. & C-106 20077+00 West Side of N Old Route 4 Private Residence Trench Christine Wells HDD #10 95.-1-13.3/Michael A., SR. & C-106 20079+50 Private Residence West Side of N Old Route 4 Trench Christine Wells 95-.1-4/Richard E. & William R. C-109 20131+50 West Side of N Old Route 4 Shed – Private Residence Trench Graves 95-.1-5/Richard E. & William R. C~109 Private Residence/Sheds 20133+00 Trench West Side of N Old Route 4 Trench Industrial Building 104.-1-7/Terra Materials Group, Inc. | C-111 20160+00 West Side of N Old Route 4 104.-1-6/Robert S., SR. Loomis 20167+50 West Side of N Old Route 4 Trench Private Residence C-112 Trench Barge Loading Facility 104.-1-8/ Washington County 20169+50 East Side of N Old Route 4 103.-1-5/George W. Sherwood Trench 20193+50 West Side of Flat Rock Road Private Residence C-113 20196+00 to Private Residence/Sheds 103.-1-8/George W. Sherwood East Side of Flat Rock Road HDD #12A C-114 20197+00 12.10-4-1/Marie E. Brooking Shed – Private Residence 20287+75 Side of Canal Street HDD #13 C-120 East Side of Canal Street HDD #13 Shed – Private Residence 112.10-4-1/Marie E. Brooking C-120 20288+75 112.10-4-5/Delaware & Hudson Champaign Canal Waterfront Park (Fort 20295+00 HDD #14 Park Structures Railway Corp. Ann)/North of Ann Street 112.10-5-9/American Rock Salt Co., C-121 Railcar Loading Facility 20305+50 East Side of Canal Street Trench 130.-3-7.5/Peckham Materials HDD #16 ndustrial Building C-134 20497+50 East Side of NYS Route 149 Trench HDD #16 Private Residence 139.-1-12/Scott M. Lindsav C-134 20501+50 East Side of NYS Route 149 139.-1-3.1/Blue Eyes Six Holdings, C-135 Shed – Industrial Building 20515+75 East Side of Towpath Road Trench HDD #17 Abandoned Building 138.-1-20/Kenneth Sullivan C-137 20549+50 East Side of Towpath Road C-137 138.-1-20/Kenneth Sullivan 20550+00 East Side of Towpath Road Private Residence 20716+00 to 155.-1-8/Bill Rogers C-148 Trench Private Residence/Sheds East Side of Towpath Road 20717+00

Table 4.2 - Structures within 100 Feet of HDD or Trenching Operations

Location

Note: Table 4.2 identifies the building structures located within 100 feet of trenching and HDD activities for this Package. Section 4.3.2 summarizes the procedures for vibration monitoring where applicable

C-150

20741+00

PACKAGE 2 - STRUCTURES WITHIN 100 FEET OF HDD OR TRENCHING OPERATIONS

Table 4.1 - HDD Locations

155.-1-14.1/Daniel Ripley

Segment/ Package	HDD Designation	HDD Length (feet)	Reason for HDD	Sheet Number	Location (Approximate- see Drawings for Details)
3/2	HDD-9	548, 552	Culvert	C-101 to C-101	20004÷95 to 20010÷50
3/2	HDD-10	1210, 1240	Road	C-106	20075+10 to 20087+40
3/2	HDD-11	1200	Culvert & Canal	C-107 to C-108	20104+90 to 20116+90
3/2	HDD-12	705, 920	RR Crossing	C-112 to C-113	20178+50 to 20187+70
3/2	HDD12A	1492	Rock Face & Culvert	C-114	20193+10 to 20207+90
3/2	HDD-13	1513, 1525	Culvert	C-117 to C-118	20248+75 to 2063+90
3/2	HDD-13A	914, 925	Bridge	C-119 to C-120	20281÷00 to 20290÷25
3/2	HDD-14	705, 819	RR Crossing & Road Crossing (at-	C-120	20292+00 to 20300+10
3/2	HDD-14A	612	RR Crossing	C-123	20331+25 to 20337+40
3/2	HDD-15	624, 627	Wetlands	C-128 to C-129	20418÷10 to 20424÷30
3/2	HDD-16	619, 641	Culvert & Wetlands	C-134	20499+00 to 20505+40
3/2	HDD-17	575, 662	Culvert & Wetlands	C-137	20546+00 to 20551+60
3/2	HDD-18	614, 620	Culvert & Water	C-144	20649+00 to 20655+20
3/2	HDD-19	590	Culvert & Wetlands	C-147	20696+60 to 20702+60
3/2	HDD-20	1,200	Road & Water	C-150	20737+30 to 20749+30
3/2	HDD-21	1975	Wetlands	C-151 to C-152	20756+50 to 20776+25
3/2	HDD-21A	1965	Wetlands	C-152 to C-154	20780+00 to 20799+30

Drilling Site Investigation and Planning Report and Inadvertent Release and Contingency Plan in Appendix J, the specifications described in Section 4.3.1, and the BMP document.

PACKAGE 2 - HDD LOCATIONS

DESIGNED BY:

KIEWIT PROJECT NO. CHA PROJECT NO. DRAWING NO.

G-013

Power Express



South Side of Rabideau Lane

Note: Table 12.2 describes the ongoing coordination with NYSDOT. Additional documentation of this consultation is included in Appendix A.

PACKAGE 2 - NYSDOT COORDINATION SUMMARY

Table 12.2 Dead and Historian Constitute and D. H. C.

Table 12.3 – Road and Highway Crossings and Parallel Construction									
Segment/ Package	Municipality	Jurisdiction	Description	Crossing Method	Sheet Number	Location (Approximate see Drawings for Details)			
3/2	Town of Whitehall/To wn of Fort Ann	Fort Ann	North Old Route 4 & South Old Route 4 ROW Construction	Parallel Construction (Trenching in ROW)	C-101 to C- 112	20001+75 to 20178+00			
3/2	Town of Fort Ann	Town of Fort Ann	North Old Route 4 ROW Construction	HDD#9	C-101	20005+00 to 20010+50			
3/2	Town of Fort Ann	NYSDOT	Route 22 (NYSDOT road/highway) Crossing	HDD#10	C-106	20082+50			
3/2	Fort Ann	Village of Fort Ann	Ann St& Railroad Crossing	HDD#14	C-120	20295+75			
3/2	Kingsbury	Town of Kingsbury	Baldwin Corners Road Crossing	Open Trench	C-126	20382+50			
3/2	Kingsbury	NYSDOT	Route 149 (NYSDOT road/highway) Crossing	HDD#16	C-134	20502+25			
3/2	Kingsbury	Private Land Owner	Private Crossing	Open Trench	C-136	20537+10			
3/2	Kingsbury	Town of Kingsbury	Towpath Road	Open Trench	C-136	20538+00			
3/2	Kingsbury	Private Land Owner	Private Crossing	Open Trench	C-138	20563+60			
3/2	Kingsbury	Private Land Owner	Private Crossing	Open Trench	C-139	20572+30			
3/2	Kingsbury	Private Land Owner	Private Crossing	Open Trench	C-140	20597+25			
3/2	Kingsbury	Town of Kingsbury	New Swamp Road	Open Trench	C-141	20613+40			
3/2	Kingsbury	Private Land Owner	Private Crossing	Open Trench	C-143	20643+20			
3/2	Kingsbury	Private Land Owner	Private Crossing	Open Trench	C-148	20714+50			
3/2	Kingsbury	NYSDOT	Route 196 (NYSDOT road/highway) Crossing	HDD#20	C-150	20739+50			
3/2	Kingsbury	Town of Kingsbury	Rabideau Lane Crossing	HDD#20	C-150	20740+25			
3/2	Kingsbury	CP-Rail MP 58.37	Private Crossing	HDD#20	C-150	20746+50			

Note: Table 12.3 describes the road and highway crossings within this Package. All road and highway crossings will follow the specifications in Section 4.4 and 12.2.

PACKAGE 2 - ROAD AND HIGHWAY CROSSINGS

Table 13.1 – Segment 3 - Package 2 Co-located Infrastructure Consultation Summary

Owner	Utility	Contact Dates	Agreement Status/	Notes
		9/9/2021		
AT&T	Fiber/ Telephone	1/27/2022 7/15/2022	Agreement Anticipated following 3/24/23 submittal	Agreement Pending
		3/24/2023		
Level 3 Communications (now Lumen Technologies)	Fiber	9/10/2021 1/27/2022 7/15/2022 3/24/2023	Agreement Anticipated following 3/24/23 submittal	Agreement Pending
National Grid/ East/ Electric	Electric	9/10/2021 1/27/2022	Consultation ongoing	Ongoing consultation including electrical effects study review, engineering review. Currently anticipate agreement in second quarte 2023.
Time Warner Cable (Charter Communications/Spectrum)	Fiber/CATV	9/23/2021 1/27/2022	Agreement in place (07/18/22)	N/A
		7/15/2022		
Verizon or Verizon/East	Telecom; Fiber/ Telephone	9/10/2021 1/27/2022 7/15/2022	Agreement in place (03/21/23)	N/A
Washington County	Route 4, Storm Sewers	5/31/21 Zoom Meeting	N/A	Plans and profiles were submitted to Washington County for review on 7/18/22.
		7/18/2022		
Village of Whitehall	Storm Sewer, Sanitary Sewer, Water Lines	10/7/2021	N/A	Plans and profiles were submitted for review on 7/11/22. Coordination is or going.
		7/11/2022		
Town of Fort Ann	None	7/18/2022	N/A	Plans and profiles were submitted for review on 07/18/22. Coordination is on-going.
Town of Kingsbury	None	July 2022	N/A	Plans and profiles were submitted to Town of Kingsbury. Coordination is on-going.

PACKAGE 2 - CO-LOCATED INFRASTRUCTURE CONSULTATION SUMMARY

Table 13.2 - CP Railroad Crossings

	Table 13.2 - CF Kaliroad Crossings								
Segment /Package	t meeing iii	Crossing Method	Sheet Number	Location (Approximate see Drawings for Details)					
3/2	CP Rail MP 69.12- 68.99	HDD #12	C-112 to C-113	20178+50 to 20187+75					
3/2	CP Rail MP 66.97- 66.85	HDD #14/Ann Street	C-120	20291+50 to 20300+00					
3/2	CP Rail MP66.25 - 66.14	HDD #14A	C-123	20331+25 to 20338+75					

Note: Table 13.2 describes the CP Railroad crossings within this Package. Access roads that cross the railroad are described in Table 4.6 and Section 4.10. Section 13.2 describes the procedures that will be followed for all railroad crossings.

PACKAGE 2 - CP RAILROAD CROSSING

Table 13.4 - Parallel Railroad Construction

Railroad Owner	Railroad Milepost	Approximate Station Location (Secondary Drawings for Details)
CP Rail	MP 69.12 – MP 65.15	20180+00 to 20389+00 (C-113 to C-126)
CP Rail	MP 64.03 – MP 63.55	20449+00 to 20473+00 (C-130 to C-132)
CP Rail	MP 63.17 – MP 58.66	20493+50 to 20733+00 (C-133 to C-149)

Note: Table 13.4 describes the parallel railroad construction within this Package. Section 13.2 describes the procedures to be followed during all parallel railroad

PACKAGE 2 - PARALLEL RAILROAD CONSTRUCTION

Table 13.3. Segment 3 CP Rail Coordination Summary

Coordin ating Parties	Description	Current Status
CP Rail, Certificate Holders	Pre-Construction Planning: CP Rail has provided construction requirements including a minimum 6.6 feet of separation from centerline of track.	Regular meetings to discuss project; Plans and Profiles have been provided for review and comment.
CP Rail, Certificate Holders	Construction Permitting: Certificate Holders will need to have all at grade rail crossing (for access roads) and HDD crossings (for the conduit) permitted by CP Rail prior to discussion.	Regular meetings to discuss projec

CP Rail. To the extent practicable, construction of the Project will be conducted in accordance with the policies and guidelines identified in Appendix U so as to avoid any interference with interruption, or endangerment of any CP operations and facilities. If any procedure outlined in Appendix U cannot be followed, the Certificate Holders will seek a waiver and/or approval from CP Rail. The Certificate Holders will continue to coordinate directly with CP Rail and DPS staff throughout construction.

PACKAGE 2 - CP RAIL COORDINATION SUMMARY

Power Express





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.

					CHAMF SEGMEN	VT 3	AIN HU 3 - PACKA EM&CP [GE	2 - F	ORT A	ANN	TO KIN
1 0	04/11/2023 03/22/2023	REVISED PER DPS COMMENTS ISSUED FOR CONSTRUCTION SUBMISSION	JJE	JPR JPR	-							
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DRAWN BY: JJ	JE DE	ESIGNED BY:	JTM	APPRO\	/ED BY:	JPR	SCALE REV. NO.

CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY EM&CP DATA TABLES (4 OF 6)

KIEWIT PROJECT NO. 21162 CHA PROJECT NO. DRAWING NO.

G-014

Table 0 4 Summary	of Fadoral and	State-Listed Species
FANC 2.4 - Summary	OI PEUCIAI ANU	CHARTELIANTED SPECIES

		Table 9.4 – Summar	y of Federal and State-Listed Species	
Status	ESA Type	Location	Best Management Practices	Impacts
Federal/State Endangered	ESA 4	Assumed to be roosting habitat located throughout the Project Corridor (P2: 20000+00 to 20796+50)	a) Conduct tree clearing and tree trimming activities between October 31 and March 31. Tree clearing and tree trimming activities are not allowed between April 1 and October 30. ⁶ b) During the preconstruction survey, the contractors would identify large live or dead trees with peeling bark, including large specimens of shagbark hickory (Carya ovata), with the potential to serve as maternity or roost trees and these would be marked. Potential roost	None
Federal/State Threatened	ESA 9	Assumed to be roosting habitat located throughout the Project Corridor (P2: 20000+00 to 20796+50)	trees identified within the construction limits would be avoided where possible during construction activities. a) Conduct tree clearing and tree trimming activities between October 31 and March 31. Tree clearing and tree trimming activities are not allowed between April 1 and October 30.6 b) During the preconstruction survey, the contractors would identify large live or dead trees with peeling bark, including large specimens of shagbark hickory (Carya ovata), with the potential to serve as maternity or roost trees and these would be marked. Potential roost trees identified within the construction limits would be avoided where	None
Federal Candidate	ESC – Candidate Insect	Assumed to be habitat in various open areas located throughout the Project Corridor (P2: 20000+00 to 20796+50)	a) None proposed due to current status as a candidate species and no critical habitat identified by USFWS. Additionally, not listed as a State protected species.	None
Federal – MBTA, XX Protection Act, State- Threatened	ESA 1	NHP documented nesting within 0.5 mile of project alignment in Town of Clenville, Schenectady County (20457+00 to 20561+00)	a) Prior to construction, the Certificate Holders would identify all nest locations within 0.5 miles (0.8 kilometers [km]) of construction, based on data provided by the NYNHP. b) If any blasting activities are necessary within 0.5 miles (0.8 km) of active nests, the Certificate Holders would contact USFWS and NYSDEC for guidance to avoid or minimize the potential for noise-related disturbance. c) If construction would occur within 660 feet (201 meters) of an active nest during the nest-building or breeding season (December to August) per USFWS guidelines, the Certificate Holders would contact USFWS and NYSDEC for guidance to avoid and minimize the potential for noise-related disturbance. d) Environmental training for contractors and construction crews would include training on the identification of ESA 1 and location of nests. Construction personnel would be instructed to report any sightings of potential nests that were not previously identified by the NYNHP. e) If any previously unidentified nests are discovered, the Certificate Holders would report findings to the NYNHP as soon as possible, and consult with the NYSDEC and USFWS for guidance to avoid or minimize the notential for disturbance, if required.	None
State- Threatened	ESA 8	20680+00 to 20729+00	a) No suitable habitat within the Project Corridor. b) No Impacts Anticipated c) NHP documented breeding along Dike Road about 150 yards from the alignment, northeast of Dunham Basin in the Town of Kingsbury.	
State- Endangered	ESA 12	N/A	a) No suitable habitat within the project corridor. b) No Impacts Anticipated. c) NHP documented wintering at the Fort Edward Grasslands. NHP mapped area extends to within 1/3 mile of the project alignment northeast of Dunham Basin in the Town of Kingsbury.	None
State- Threatened	ESA 14	20115+501o 20120+00	a) Prior to construction, an exclusionary fence will be installed along the work area to prevent foraging ESA 14 individuals from entering the work area. The fence should be in place between March 31st and November 1st and left in place until work is completed within a given active construction area. All fencing should be removed upon completion and stabilization of construction areas. b) The Environmental Inspector will inspect the work area daily for the presence of ESA 14. If an ESA 14 is found within the work area, the Environmental Inspector will contact a licensed ESA 14 biologist to remove ESA 14 from the construction area prior to the start of work. c) Environmental training for Contractors and construction crews will include training on the identification of ESA 14. Construction personnel will be instructed to stop work immediately if a ESA 14 is found within the construction area. d) If any ESA 14 are discovered, the Certificate Hoklers and associated Contractors will report findings to the NYSDEC within 24 hours and consult with the NYSDEC for guidance to avoid and/or minimize the potential for disturbance.	None
State- Threatened	N/A-Fish	20473+00 to 20554+00	a) NHP documented in Champlain Canal at Smiths Basin and at Lock9, both within 160 yards of the alignment.b) 100% avoidance anticipated.	None
Unlisted/ Conservation Concern Rare	N/A - Fish	N/A	a) 100% avoidance. Documented in 2008 in unnamed water body approximately 0.6 miles south of Comstock, between Route 4 and the railroad. Project alignment is along Old Route 4, east of the railroad and will not impact this water body.	None
Unlisted/ Conservation Concem Rare	N/A- Insect	N/A	a) NHP documented in Champlain Canal @ Lock 11. b) 100% avoidance of aquatic larval stage.	None
Note, Table 9	3 identifies 1	he federal and state listed species t	that may be encountered on or in the vicinity of this Package. Section 9.	3 and

Note. Table 9.3 identifies the federal and state listed species that may be encountered on or in the vicinity of this Package. Section 9.3 and Appendix T describe the habitat for these species and the procedures that will be followed to minimize the impact on these species. (6) In the event of an unanticipated emergency that requires tree clearing or tree trimming during April 1 to October 30, the procedures describe in

PACKAGE 2 - FEDERALLY LISTED AND STATE LISTED SPECIES

pecies Name (Scientific	Location
Name)	Wetland ID & Wetland Flag IDs (if applical
	Wetland G-R-X (IPPPP- IIII): 15111+50 to 15115+0
	Wetland G-R-U (13 – 29): 15142+00 to 15172+00 Wetland G-R-X (5 – 30): 15227+00 to 15280+75
	Wetland G-R-Y (1 – 11): 15282+00 to 15297+00
	Wetland CNNN (20049+00, C-402)
	Wetland COOO (20054+75, C-402)
	Wetland CPPP (20062+00, C-403)
	Wetland CSSS (20083+50, C-403)
	Wetland CUUU (20091+50, C-404)
	Wetland CWWW (20093+75, C-404)
	Wetland CBZ (20141+00, C-405)
purple loosestrife	Wetland CCZ (20146+50, C-405)
(Lythrum salicaria)	Wetland GR-AA (20225+50, C-408)
(y ,	Wetland GR-BB (20231+00, C-408)
	Wetland GR-DD (20240±50, C-409)
	Wetland GR-EE (20270+00, C-409)
	Wetland GR-FF (20296+25, C-410)
	Wetland GR-GG (20308+25, C-411)
	Wetland GR-LL (20465+00, C-416)
	Wetland GR-OO (20548+50, C-419)
	Wetland GR-PP (20581+50, C-420)
	Wetland GR-QQ (20609+25, C-421)
	Wetland GR-RR (20613+50, C-421)
	Wetland GR-SS (20757+25, C-426)
	Wetland G-R-S (3-13): 15084+00 to 15093+00
	Wetland G-R-X (1PPPP 1IIII): 15111+50 to 15115+0
common reed	Wetland CJJJ (5 – 9): 15305+50 – Const. Entrance
(Phragmites australis)	Wetland CJJJ (20000+00, C-401)
	Wetland CSSS (20083+50, C-403)
	Wetland CUUU (20091+50, C-404
Narrow-leaf cattail	
(Typha angustifolia)	Wetland CYYY (20110+00, C-404)
(1 ypma angustiona)	Wetland CVVV (20088+75, C-403)
65 1 4 4 4	
Eurasian buckthorn	Wetland CYYY (20110+00, C-404)
(Rhamnus cathartica)	Wetland CAZ (20139+00, C-405)
	Wetland CBZ (20141+00, C-405)
	Wetland CCZ (20146+50, C-405)
	Wetland CDZ (20155+25, C-406)
	Wetland CEZ (20161+50, C-406)
	Wetland CGZ (20165+75, C-406)
	Wetland CIZ (20176+00, C-406)
	Wetland GR-Z. (20215+00, C-408)
	Wetland GR-AA (20225+50, C-408)
	Wetland GR-BB (20231+00, C-408)
	Wetland GR-CC (20236+00, C-408)
	Wetland GR-DD (20240+50, C-409)
	Wetland GR-FF (20296+25, C-410)
	Wetland GR-GG (20308+25, C-411)
Tatarian honey suckle	Wetland GR-HH (20376+50, C-413)
(Lonicera tatarica)	Wetland GR-II (20382+50, C-413)
(MINISTER MANAGEMENT)	
	Wetland GR-KK (20425+00, C-415)
	Wetland GR-LL (20465+00, C-416)
	Wetland GR-MM (20473+00, C-416)
	Wetland GR-II (20382+50, C-413)
	Wetland GR-KK (20425+00, C-415)
	Wetland CR-LL (20465+00, C-416)
	Wetland CR-MM (20473+00, C-416)
	Wetland GR-NN (20503+50, C-417)
	Wetland GR-PP (20581+50, C-420)
	A Cotton (CD 1 V V (206003.25 C 421)
	Wetland GR-QQ (20609+25, C-421) Wetland GR-RR (20613+50, C-421)

Note: Table 9.4 identifies the locations of invasive aquatic plants that were identified within this Package. Section 9.3 describes the procedures to be followed to reduce the spread of invasive species.

PACKAGE 2 - AQUATIC INVASIVE SPECIES / LOCATION

Table 9.2 – Summary of Wetland Impacts

Wetland ID	Jurisdiction	Drawing Sheet Number and Approximate Station	Wetland Community Type ⁽¹⁾	Permanent ROW Impacts (square feet)	Temporary Construction Impacts (s quare fect)	State Wetland Buffer Temporary Construction Impacts (square feet)
			l Old Route 4 — Pac	l kage 2		
C000	USACE	20062+50 to 20065+20 (C-105; C- 403)	PSS	0	4070	0
CWWW	USACE	20094+80 to 20096+20 (C-107; C- 404)	PFO	0	2842	0
CYYY	USACE	20116+50 to 20117+75; 20120+50 to 20121+75; 20125+75 to 20128+00 (C-108 to C-109); C-404 to C-	PFO	0	3220	0
CBZ	USACE	20157+25 to 20158+50 (C-111; C- 406)	PFO	0	1024	53105 ft^2 (STA 20140+40 to 20158+50) & 11823 ft^2 (STA 20165+00 to 20170+10)
CA	USACE	20176+20 to 20177+00; 20177+50 to 20178+50 (C-112; C-406)	PFO	264	796	51856 ft^2 (STA 20172+00 to 20178+70)
CHZ	USACE	20178+50 to 20183+25 (C-112 to C-113; C-406 to C- 407)	PFO	0	0	0
			CP Rail – Packa	ge 2	,	
G-R-Z	USACE	20217+00 to 20219+00 (C-115; C- 408)	PFO	0	5375	0
G-R-CC	USACE	20236+00 to 20238+50 (C-116; C- 408)	PFO	0	3201	0
G-R-DD	USACE	20245÷50 to 20249÷30 (C-117; \C- 409)	PFO	2535	6507	0
G-R-EE/P2- EE	USACE	20276+75 to 20280+70 (C-119; C- 410)	PFO	0	13151	0
G-R-FF	USACE	20296+50 to 20300+10 (C-121; C- 410)	PEM PFO	930	3,957 1836	0
G-R-GG	USACE	20308+60 to 20218+00; 20327+50 to 20332+75 (C-121	PEM PSS	0	0	0
	USACE	to C-123; C-411 to C-412)	PFO	5,660	21,396	0
CC	USACE	20339+00 to 20340+50; 20351+50 to 20358+00 (C-123	PEM	0	22,680	0
		to C-124; C-412)	PSS	0	0	0
WLF P2-H	USAGE	20358+00 (C-206) 20383+00 to	PEM	0	1,358	0
CD	USACE	20421+20 (C-126 to C-129; C-413 to C-	PFO PSS	6,220	14,124 86,546	0
Willer Cara	TTC A ZTC	415) 20432+00 to				
WLF-CE	USACE	20437+00 (C-415) 20438+70 to	PEM	7,912	14,646	0
WLF-CF	USACE	20444+80 (C-415) 20446+40 to	PEM	4,175	11,132	0
WLF-CG	USACE	20447+30 (C-415) 20451+70 to	PEM	502	2,632	0
WLF-CH WLF-P2	USACE USACE	20465+30 (C-416) 20465+30 to	PEM PSS	12,829 1114	44,894 750	0
G-R-MM	USACE	20466+60 (C-416) 20473+31 to 20495+00 (C-416 to	PSS	26,211	52,184	0
		C-417) 20505+00 to	PSS	0	4,993	0
G-R-NN/P2-J	USACE	20505+00 to 20536+50 (C-417 to C-418)	PEM	22,369	78,091	0
G-R-00	USACE	20551+30 to 20553+00 (C-419)	PEM	4,540	0	()

G-R-00	USACE	20574+00 to	PEM	0	23082	0	
C-X-OO	O.974C.E.	20577+00 (C-420)	PSS	0	8960		
G-R-PP	USACE	20587+50 to 20590+40 (C-420)	PEM	2,508	5,893	()	
G-R-RR	USACE, NYDEC (HF- 10)	20614+50 to 20615+90; 20638+50 to 20675+75; 20694+75 to 20697+40; 20702+40 to 20708+50; 20715+75 to 20718+00; 20733+25 to 20738+00 (C-421 to C-425)	PEM	71,330	143371	337188 ft^2 (STA 20614+50 to 20735+00) & 2619 ft^2 (STA 20674+00 to 20675+00) & 3992 ft^2 (STA 20707+00 to 20708+00)	
0.5.00	7.500 - 0373	20750+50 to 20757+50; 20758+00	PEM	8669	32418	()	
G-R-SS	USACE	to 20781+70 (C-426 to C-427)	PSS	1969	2660	0	
GRP-EE	USAGE	C-214 to C-217 Towpath Road	PUB	0	25457	()	
			PEM	135,764 ft^2	384,154 ft ^2		
			F EAVI	3.1 ac	8.82 ac		
			PSS	64,232 ft^2	73,617 ft^2		
Total	by Wattand Co	maranita Trans	raa	1.47 ac	1.69 ac		
Total by Wetland Community Type			PUB	0 ft^2	25457 ft^2	460583 sf 10.57 ac	
			FUD	0 ac	0.58 ac	40000 St 1001 BC	
			PFO	14,679 ft^2	73,472 ft^2		
			0.34 ac	1.69 ac			
		Total		177,386 ft^2	442,518 ft^2		
		1003		4.07 ac	10.16 ac		

Note: (1) PEM - Palustrine emergent, PSS - Palustrine scrub-shrub, PFO - Palustrine forested. Table 9.2 describes the location and impact for each wetland within this Package. All construction related activity will follow the procedures described in Section 9.1.

PACKAGE 2 IMPACTS TO WETLANDS AND WATERBODIES

Champlain Hudson **Power Express**







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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	D
0	03/22/2023	ISSUED FOR CONSTRUCTION SUBMISSION	JJE	JPR	

CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY EM&CP DATA TABLES (5 OF 6)

KIEWIT PROJECT NO.
21162
CHA PROJECT NO.
066076
DRAWING NO.
C_{1}
\ \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\

AS NOTED DATE

G-013

DRAWN BY: JJE DESIGNED BY: JTM APPROVED BY: JPR REV. NO.

UG Utility (Fiber) N/A Perpendicular 20297+00 20297+70 UG Utility (Electric) Perpendicular N/A Storm Drainage 20301+75 Perpendicular Pipe/Culvert UG Utility (Electric) Parallel 20314+00 20315+00 Water Line Parallel N/A Storm Drainage Perpendicular 20316+90 N/A Pipe/Culvert N/A Water Line Parallel Perpendicular 20333+00 N/A UG Utility (Fiber) UG Utility (Fiber) 20335+00 N/A Perpendicular Storm Drainage Perpendicular 20345+75 Pipe/Culvert Storm Drainage 20351+10 Perpendicular Pipe/Culvert UG Utility (Fiber) 20375+00 N/AN/A OH Utility (Electric) Perpendicular 20382+48 OH Utility (Electric) Perpendicular 20383+00 N/A UG Utility (Electric) N/A Perpendicular Storm Drainage 20391+10 Perpendicular Pipe/Culvert Storm Drainage 20421+25 Perpendicular Pipe/Culvert Storm Drainage Perpendicular 20425+75 Pipe/Culvert Storm Drainage 20436+20 Perpendicular Pipe/Culvert Storm Drainage 20446+75 Perpendicular Pipe/Culvert Storm Drainage 20451+60 Perpendicular Pipe/Culvert Storm Drainage 20473+70 Perpendicular Pipe/Culvert Storm Drainage 20489+90 Perpendicular Pipe/Culvert 20735±30 UG Utility (Fiber) Parallel 20494+50 Storm Drainage 20501+90 N/A Perpendicular Pipe/Culvert OH Utility (Electric) N/A Perpendicular Storm Drainage 20520+70 Perpendicular Pipe/Culvert Storm Drainage 20534+50 Perpendicular Pipe/Culvert Storm Drainage 20548+70 Perpendicular Pipe/Culvert Storm Drainage 20579+20 Perpendicular -Pipe/Culvert Storm Drainage 20588+30 Perpendicular Pipe/Culvert Storm Drainage 20614+10 Perpendicular Pipe/Culvert Storm Drainage 20651+10 Perpendicular Pipe/Culvert Perpendicular OH Utility (Electric) 20653+60 N/A Storm Drainage 20699+60 Perpendicular | Pipe/Culvert Storm Drainage Pipe/Culvert OH Utility (Electric) Perpendicular N/A Oh Utility (Electric) Perpendicular Storm Drainage 20740+50 Perpendicular Pipe/Culvert

Note: The table above describes the CI utilities within this Package. Appendix R includes the utility summation matrix which includes additional information such as the CI owner, size, length, and description. Section 13.3 describes the

Perpendicular

20759+50

PACKAGE 2 - CO-LOCATED UTILITIES

	—	Table 4 4R Facili	ty ROW Owners hip and Easements	
Segment/	Owners hip/Parcel ID	Description	Location (Approximate - See Drawings for	Comments
Package 83/P2	86.4-3		Details) 20004+40 to 20005+72 (C-101)	Public, Southeast of Road ROW
S3/P2 S3/P2	864-3	Temporary Easement Temporary Easement	20009+99 to 20011+05 (C-101)	Public; Southeast of Road ROW
S3/P2	86,-4-3	Temporary Easement	20023+75 to 20024+69 (C-102)	Public: Southeast of Road ROW
S3/P2	1041-5	Temporary Easement	20031+64 to 20033+34 (C-103)	Private
S3/P2	95,-2-22	Temporary Easement	20062+80 to 20064+87 (C-105)	Public; East of Road ROW
S3/P2	State Route 22	Permanent Easement	20081+44 to 20083+90 (C-106)	Public
83/P2	952-22	Temporary Easement	20094+79 to 20096+22 (C-107)	Public; Southeast of Road ROW; Northwest o
S3/P2	1041-7	Temporary Easement	20157+28 to 20161+65 (C-111)	Road ROW Private; Northwest of Road ROW
\$3/P2	1(4,-1-7)	Temporary Easement	20157+28 to 20101+05 (C-111) 20169+94 to 20170+43 (C-112)	Private Private
83/P2	1041-5	Temporary Easement	20177+85 to 20179+05 (C-112)	Public
S3/P2	1042-45	Permanent Easement	20178+64 to 20183+37 (C-112 & C-113)	Public; Southeast of Road ROW
S3/P2	1041-1.1	Temporary Easement	20185+22 to 20189+60 (C-113)	Private; Northwest of RR ROW
83/P2	1031-5	Temporary & Permanent Easement	20189+60 to 20195+24 (C-113 & C-114)	Private, Northwest of RR ROW
S3/P2	1031-8	Permanent Easement	20195+24 to 20197+56 (C-114)	Private; Northwest of RR ROW
S3/P2	1031-6.21	Permanent Easement	20197+56 to 20204+08 (C-114)	Private; Northwest of RR ROW
S3/P2	1031-6.21	Temporary Easement	20203+95 to 20204+08 (C-114)	Private; Northwest of RR ROW
S3/P2	1031-6.22	Temporary Easement	20204+08 to 20204+39 (C-114)	Private; Northwest of RR ROW
S3/P2	1031-6.22	Permanent Easement	20204+08 to 20206+70 (C-114)	Private; Northwest of RR ROW Public, Temporary Construction, Permanent
S3/P2	1031-11	Temporary & Permanent Easement	20206+70 to 20209+23 (C-114)	casement
S3/P2	1031-35	Temporary Easement	20217+16 to 20219+69 (C-115)	Private; North of RR ROW
83/P2	1031-35	Temporary Fasement	20229+70 to 20234+17 (C-116)	Private; North of RR ROW
S3/P2	1031-35	Temporary Easement	20234+54 to 20239+65 (C-116)	Private; North of RR ROW
S3/P2	State Route 4 ROW	Permanent Easement	20245+38 to 20255+41 (C-117 & C-118)	Public; Northwest of RR ROW
S3/P2	State Route 4 ROW	Temporary Easement	20245+38 to 20249+35 (C-117)	Public; Northwest of RR ROW
S3/P2	1031-11	Permanent Fasement	20255+41 to 20270+63 (C-118)	Public: East of RR ROW
S3/P2 S3/P2	1031-11 1031-14.4	Temporary Easement Temporary Easement	20262+91 to 20266+05 (C-118) 20272+90 to 20275+82 (C-119)	Public; West of RR ROW Private; West of RR ROW
S3/P2 S3/P2	1031-14.4	Temporary Easement	20276+78 to 20280+90 (C-119)	Public; West of RR ROW
83/P2	1031-16.1	Temporary Easement	20279+13 to 20280+53 (C-119)	Private; West of RR ROW
S3/P2	1031-11	Permanent Easement	20284+03 to 20285+24 (C-119 & C-120)	Public
S3/P2	112.10-4-2	Permanent Easement	20285+24 to 20289+29 (C-120)	Public; West of RR ROW
83/P2	112.10-4-1	Permanent Easement	20285+55 to 20290+02 (C-120)	Private; West of RR ROW
S3/P2	112.10-4-2	Temporary Easement	20289+40 to 20293+01 (C-120)	Private; West of RR ROW
S3/P2	112.10-4-2	Temporary Easement	20291+61 to 20292+68 (C-120)	Private; West of RR ROW
S3/P2	Clay Hill Road	Temporary Easement	20295+11 to 20295+39 (C-120)	Public
S3/P2	112.10-5-8.1	Temporary Easement	20300+75 to 20309+34 (C-121)	Public; East of RR ROW
S3/P2 S3/P2	112.10-5-8.1 112.10-5-8.1	Permanent Easement Permanent Easement	20300+75 to 20306+45 (C-121) 20310+59 to 20311+65 (C-121)	Public; East of RR ROW Public; East of RR ROW
83/P2	112.00-3-20	Permanent Easement	20310+65 to 20320+55 (C-121 & C-122)	Public; East of RR ROW
S3/P2	112.00-3-20	Temporary Easement	20314+18 to 20318+62 (C-121 & C-122)	Public; East of RR ROW
S3/P2	112.00-3-20	Temporary Easement	20322+90 to 20326+07 (C-122)	Public; East of RR ROW
S3/P2	112.00-3-20	Temporary Easement	20328+90 to 20332+17 (C-122 & C-123)	Public; East of RR ROW
S3/P2	112.00-3-20	Permanent Easement	20329+40 to 20332+07 (C-122 & C-123)	Public; East of RR ROW
S3/P2	112.00-4-17.1	Temporary Easement	20338+86 to 20340+30 (C-123)	Private; West of RR ROW
S3/P2	12.00-2-9	Temporary Easement	20340+30 to 20340+74 (C-123)	Private; East of RR ROW
S3/P2	121.00-3-5.1	Temporary Easement	20351+53 to 20355+80 (C-124)	Private, East of RR ROW
S3/P2 S3/P2	121.00-3-5.1 112.00-4-27	Temporary Easement Temporary Easement	20357+50 to 20358+20 (C-124) 20357+50 to 20358+20 (C-124)	Private; East of RR ROW Public; East of RR ROW
\$3/P2	112.00-4-27	Temporary Easement	20371+26 to 20377+61 (C-125 & C-126)	Private; West of RR ROW
S3/P2	112.00-1-5.10	Temporary Easement	20379+74 to 20382+02 (C-126)	Private: West of RR ROW
S3/P2	112.00-1-5.10	Permanent Easement	20382+38 to 20382+66 (C-126)	Private; West of RR ROW
S3/P2	Baldwin Corners Rd	Temporary Easement	20382+66 to 20383+22 (C-126)	Public
S3/P2	Baldwin Corners Rd	Permanent Easement	20382+66 to 20383+22 (C-126)	Public
S3/P2	121.00-1-6	Temporary Easement	20383+22 to 20384+69 (C-126)	Private; West of RR ROW
83/P2	121.00-1-6	Permanent Fasement	20383+22 to 20384+01 (C-126)	Private; West of RR ROW
S3/P2	121.00-1-6	Temporary Easement	20388+54 to 20394+98 (C-126 & C-127)	Private; West of RR ROW
S3/P2	121.00-1-6	Permanent Easement	20388+77 to 20394+98 (C-126 & C-127)	Private; West of RR ROW
S3/P2	121.00-1-14	Temporary & Permanent Easement	20394+98 to 20399+38 (C-127)	Private; West of RR ROW
83/P2 83/P2	121.00-1-14.2 121.00-1-14.1	Temporary & Permanent Easement Temporary & Permanent Easement	20399+38 to 20403+63 (C-127) 20403+63 to 20407+83 (C-127 & C-128)	Private; West of RR ROW Private; West of RR ROW
S3/P2	1211-17	Temporary & Permanent Easement	20407+83 to 20427+92 (C-128 & C-129)	Private; West of RR ROW
S3/P2	1303-1	Temporary & Permanent Fasement	20427+92 to 20447+60 (C-129 & C-130)	Private; West of RR ROW
S3/P2	1303-1	Temporary Essement	20446+04 to 20447+60 (C-130)	Private; West of RR ROW
S3/P2	1303-7.3	Temporary & Permanent Easement	20447+60 to 20449+03 (C-130)	Private; West of RR ROW
S3/P2	1303-7.3	Temporary Easement	20453+16 to 20465+64 (C-131)	Private; West of RR ROW
83/P2	1303-7.3	Temporary Easement	20456+81 to 20464+15 (C-131)	Private; West of RR ROW
S3/P2	1303-7.3	Temporary Easement	20462+46 to 20465+73 (C-131 & C-132)	Private; West of RR ROW
S3/P2	1303-7.4	Temporary Easement	20465+64 to 20465+73 (C-132)	Private; West of RR ROW
\$3/P2 \$3/P2	1303-7.4	Temporary Easement Permanent Easement	20465+73 to 20466+31 (C-132) 20470+41 to 20477+85 (C-132)	Private; Northwest of RR ROW Private; Northwest of RR ROW
S3/P2 S3/P2	1303-7.4	Temporary Easement	20470+41 to 20477+85 (C-132)	Private; Northwest of RR ROW
S3/P2	130.3-7.1	Temporary & Permanent Fasement	20477+85 to 20479+15 (C-132)	Private; Northwest of RR ROW
S3/P2	1303-7.5	Permanent Easement	20479+15 to 20493+82 (C-132 & C-133)	Private; Northwest of RR ROW
S3/P2	1303-7.5	Temporary Easement	20479+15 to 20494+56 (C-132 & C-133)	Private; Northwest of RR ROW
S3/P2	1303-7.5	Permanent Easement	20498+34 to 20499+23 (C-134)	Private; Northwest of RR ROW
S3/P2	1391-12	Permanent Fasement	20500+00 to 20501+00 (C-134)	Private; Northwest of RR ROW
S3/P2	1391-3	Temporary Easement	20511+59 to 20512+01 (C-135)	Private; Northwest of RR ROW
S3/P2	1381-21.2	Temporary Easement	20540+11 to 20544+67 (C-137)	Public; Northwest of RR ROW
\$3/P2	1381-21.2	Temporary Easement	20544+99 to 20546+35 (C-137)	Public, Northwest of RR ROW
83/P2 S3/P2	1391-21 1391-21	Temporary Easement	20544+99 to 20546+35 (C-137) 20544+99 to 20548+13 (C-137)	Private; Northwest of RR ROW Private; Northwest of RR ROW
S3/P2 S3/P2	1391-21	Temporary Easement Temporary Easement	20544+99 to 20548+13 (C-137) 20548+13 to 20549+12 (C-137)	Public; Northwest of RR ROW Public; Northwest of RR ROW
83/P2	1381-20	Temporary Easement	20549+12 to 20553+08 (C-137)	Private: Northwest of RR ROW
S3/P2	1381-20	Temporary Easement	20551+58 to 20552+76 (C-137)	Private; Northwest of RR ROW
S3/P2	1381-21.1	Temporary Easement	20572+92 to 20577+02 (C-139)	Private; Northwest of RR ROW
83/P2	1381-21.1	Permanent Easement	20578+33 to 20579+88 (C-139)	Private; Northwest of RR ROW
62.000	1381-24	Permanent Easement	20579+88 to 20580+34 (C-139)	Private; Northwest of RR ROW
S3/P2	41.50 A W -	1 Children Existing	20077.00 (0 20000.01(0 107)	1111000, 110101111000 0110010011

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S3/P2	1381-24	Temporary Easement	20587+04 to 20590+10 (C-140)	Private; Northwest of RR ROW
S3/P2	1471-8	Temporary Easement	20605+46 to 20608+83 (C-141)	Private; Northwest of RR ROW
S3/P2	1471-8	Temporary Easement	20613+43 to 20613+85 (C-141)	Private; Northwest of RR ROW
S3/P2	New Swamp Road	Permanent Easement	20613+85 to 20614+48 (C-141)	Public
S3/P2	New Swamp Road	Temporary Easement	20614+23 to 20614+34 (C-141)	Public
S3/P2	1471-13	Temporary Easement	20638+16 to 20641+45 (C-143)	Private; Northwest of RR ROW
S3/P2	1471-13	Temporary Easement	20640+50 to 20642+98 (C-143)	Private; Northwest of RR ROW
S3/P2	1471-15	Temporary Easement	20642+98 to 20644+05 (C-143)	Private: Northwest of RR ROW
S3/P2	1471-15	Temporary Easement	20643+24 to 20643+82 (C-143)	Private; Northwest of RR ROW
83/P2	1381-21.2	Temporary Easement	20644+05 to 20647+28 (C-143 & C-144)	Public; Northwest of RR ROW
S3/P2	1381-21.2	Temporary Easement	20645+56 to 20648+21 (C-144)	Public, Northwest of RR ROW
S3/P2	1471-15	Temporary Easement	20647+39 to 20649+09 (C-144)	Private; Northwest of RR ROW
S3/P2	1471-15	Temporary Easement	20647+39 to 20650+63 (C-144)	Private; Northwest of RR ROW
S3/P2	1471-17	Permanent Easement	20650+63 to 20669+48 (C-144 & C-145)	Private; Northwest of RR ROW
S3/P2	1471-17	Temporary Easement	20654+49 to 20669+48 (C-144 & C-145)	Private; Northwest of RR ROW
S3/P2	147,-1-18	Temporary Easement	20669+48 to 20675+01 (C-145 & C-146)	Private; Northwest of RR ROW
S3/P2	1471-18	Temporary Easement	20673+95 to 20675+01 (C-145 & C-146)	Private; Northwest of RR ROW
S3/P2	138.00-1-21.2	Temporary Easement	20673+95 to 20675+01 (C-145 & C-146)	Public; Northwest of RR ROW
S3/P2	1551-3	Temporary Easement	20694+65 to 20697+05 (C-147)	Private; Northwest of RR ROW
S3/P2	1551-3	Temporary Easement	20695+65 to 20699+96 (C-147)	Private; Northwest of RR ROW
S3/P2	1551-4	Temporary Easement	20699+96 to 20703+91 (C-147)	Private; Northwest of RR ROW
S3/P2	1551-4	Temporary Easement	20702+00 to 20705+98 (C-147 & C-148)	Private; Northwest of RR ROW
S3/P2	1551-2.1	Temporary Easement	20706+77 to 20707+49 (C-148)	Private; Northwest of RR ROW
S3/P2	1551-8	Permanent Easement	20715+38 to 20716+62 (C-148)	Private: Northwest of RR ROW
S3/P2	1551-9	Permanent Easement	20716+62 to 20717+56 (C-148)	Private; Northwest of RR ROW
S3/P2	1551-13	Temporary Easement	20732+77 to 20738+58 (C-149 & C-150)	Private; Northwest of RR ROW
S3/P2	1551-13	Permanent Easement	20733+06 to 20738+58 (C-150)	Private; Northwest of RR ROW
S3/P2	155,-1-13	Temporary Easement	20733+74 to 20738+58 (C-150)	Private; Northwest of RR ROW
S3/P2	State Route 196	Permanent Easement	20738+58 to 20740+00 (C-150)	Public
S3/P2	Rabidau Lane	Permanent Easement	20740+00 to 20740+49 (C-150)	Public
S3/P2	155-1-14.1	Permanent Easement	20740+49 to 20746+67 (C-150)	Private; Northwest of RR ROW
S3/P2	154,-1-15	Permanent Easement	20744+74 to 20755+61 (C-150 & C-151)	Private; Northwest of RR ROW
S3/P2	1541-15	Temporary Easement	20746+33 to 20746+80 (C-150)	Private; Northwest of RR ROW
S3/P2	1541-15	Temporary Easement	20748+70 to 20750+13 (C-150 & C-151)	Private; Northwest of RR ROW
S3/P2	1541-15	Temporary Easement	20749+52 to 20755+61 (C-150 & C-151)	Private; Northwest of RR ROW
S3/P2	1541-15	Temporary Easement	20754+03 to 20755+61 (C-151)	Private; Northwest of RR ROW
S3/P2	1541-16	Temporary Easement	20755+61 to 20757+34 (C-151)	Private; Northwest of RR ROW
S3/P2	1541-16	Permanent Easement	20755+61 to 20759+89 (C-151)	Private; Northwest of RR ROW
83/P2	1541-16	Temporary Easement	20755+61 to 20757+54 (C-151)	Private; Northwest of RR ROW
S3/P2	1541-17	Permanent Easement	20759+89 to 20764+72 (C-151)	Private; Northwest of RR ROW
S3/P2	1541-18	Permanent Easement	20764+72 to 20785+81 (C-151 to C-153)	Private; Northwest of RR ROW
S3/P2	1381-21.2	Permanent Easement	20776+13 to 20779+10 (C-152)	Public; West of RR ROW
S3/P2	1381-21.2	Temporary Easement	20776+13 to 20779+81 (C-152)	Public; West of RR ROW
83/P2	Towpath Lane	Temporary Easement	20776+13 to 20801+00 (C-152 & C-153)	Public; West of RR ROW
S3/P2	1541-18	Temporary Easement	20776+13 to 20779+10 (C-152)	Private; West of RR ROW
S3/P2	1632-1.3	Permanent Easement	20785+81 to 20801+00 (C-152 & C-153)	Private; West of RR ROW
S3/P2	1632-1.3	Temporary Easement	20797+00 to 20800+00 (C-152)	Private; West of RR ROW

and acquisition.

PACKAGE 2 - FACILITY ROW OWNERSHIP AND EASEMENTS

Table 4.4A – CC 140 Waivers Requested for Segment 3

Segment/ Package	Parcel ID	Description	Location (Approximate - See Drawings for Details)	Comments
S3/P2	1041-1.1	Permanent Easement	20185+22 to 20189+60 (C-113)	Private; Northwest of RR ROW
S3/P2	1031-35	Permanent Easement	20229+70 to 20234+17 (C-116)	Private; North of RR ROW
S3/P2	1031-14.4	Permanent Easement	20272+90 to 20275+82 (C-119)	Private; West of RR ROW
S3/P2	112.10-4-2	Permanent Easement	20291+61 to 20292+68 (C-120)	Private; West of RR ROW
S3/P2	112.00-1-5.10	Permanent Easement	20371+26 to 20377+61 (C-125 & C-126)	Private; West of RR ROW
S3/P2	1303-7.3	Permanent Easement	20456+81 to 20464+15 (C-131)	Private; West of RR ROW
S3/P2	1391-21	Permanent Easement	20544+99 to 20548+13 (C-137)	Private: Northwest of RR ROW
S3/P2	1381-21.2	Permanent Easement	20548+13 to 20549+12 (C-137)	Public: Northwest of RR ROW
S3/P2	1381-20	Permanent Egsement	20549+12 (o 20553+08 (C-137)	Private: Northwest of RR ROW
S3/P2	1381-24	Permanent Essement	20587±04 (o 20590±10 (C-140)	Private: Northwest of RR ROW
S3/P2	1471-8	Permanent Fasement	20613+41 to 20613+85 (C-141)	Private; Northwest of RR ROW
S3/P2	1471-13	Perminent Easement	20640+50 to 20642+98 (C-143)	Private; Northwest of RR ROW
S3/P2	1471-15	Permanent Easement	20642+98 to 20644+05 (C-143)	Private; Northwest of RR ROW
S3/P2	1381-21.2	Permanent Easement	20644+05 to 20647+28 (C-143 & C-144)	Public; Northwest of RR ROW
S3/P2	1471-15	Permanent Fasement	20647+39 to 20650+63 (C-144)	Private; Northwest of RR ROW
S3/P2	1551-3	Permanent Easement	20695+65 to 20699+96 (C-147)	Private; Northwest of RR ROW
S3/P2	1551-4	Permanent Easement	20699+96 to 20703+91 (C-147)	Private; Northwest of RR ROW

Note: Table 4.4A summarizes the easements that are in place along Segment 3 – Package 2 that CHPE is seeking waivers per CC 140. Section 4.7 summarizes the procedures that will be followed in regards to land access and acquisition.

PACKAGE 2 - WAIVERS REQUESTED AND EASEMENTS

Restoration Methods

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Land Use Description	Section of EMCP	
Non-agricultural, non-urban, and non-residential areas	14.2.1	
Urban/Residential Areas	14.2.2	
Railway Ballast	14,2,3	
Recreational Areas	14.2.4	
Landscaping	14,3	
Streams and Waterbodies	14,4	
Access Roads and Laydown Areas within Agricultural Lands	14,5,1	
Drainage Features	14.5.2	
General Agricultural Lands	14.5	

Note: Section 14 describes the cleanup standards and procedures that will be followed throughout this Package once construction is complete. The Table above summarizes the appropriate subsection with Section 14 that includes the restoration procedure for each type of land use.

PACKAGE 2 - RESTORATION METHODS

CHAMPLAIN HUDSON POWER EXPRESS KAGE 2 - FORT ANN TO KINGSBURY

DRAWING NO. DATA TABLES (6 OF 6) G-016

KIEWIT PROJECT NO. 21162 CHA PROJECT NO.

(CH	IPE									
Champlain Hudson										
Pow	er Express									



Storm Drainage

Pipe/Culvert



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 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.

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]	NT 3 - PACK
					EM&CP D
03/22/2023	ISSUED FOR CONSTRUCTION SUBMISSION	JJE	JPR		
DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DRAWN BY:	DESIGNED BY

APPROVED BY:

CLEANUP STANDARDS AND PRACTICES

AS DESCRIBED IN THE BMP DOCUMENT, CLEANUP, RESTORATION, AND REVEGETATION PROCEDURES WILL BE ONGOING DURING CONSTRUCTION AS EACH SEGMENT IS COMPLETED. DURING CONSTRUCTION, ROAD AND CONSTRUCTION ROWS WILL BE KEPT FREE OF DEBRIS AND DISCARDED MATERIAL TO THE GREATEST EXTENT POSSIBLE. AS CONSTRUCTION CONTINUES, EACH SECTION OF THE ROW WILL BE THOROUGHLY CLEANED AFTER CONSTRUCTION IS COMPLETED ON THAT PARTICULAR SECTION. ALL FABRICATED DEBRIS RESULTING FROM CONSTRUCTION WILL BE DISPOSED OF AT AN APPROVED DISPOSAL SITE IN COMPLIANCE WITH ALL APPROPRIATE ENVIRONMENTAL REGULATIONS. FABRICATED DEBRIS GENERATED DURING CONSTRUCTION INCLUDES PIPING, FENCING, WIRING, AND ANY OTHER MATERIALS USED DURING CONSTRUCTION. NO FABRICATED DEBRIS IS TO BE BURNED OR BURIED, ALL TRUCKS LEAVING THE CONSTRUCTION AREA WILL BE LOADED AND COVERED IN ACCORDANCE WITH APPLICABLE REGULATIONS AS NEEDED AS DESCRIBED IN THE SOIL AND MATERIALS MANAGEMENT PLAN OF THE EM&CP IN APPENDIX L.

RESTORATION AND PLANTING

THE FINAL STAGE OF CONSTRUCTION WILL CONSIST OF RESTORING THE ROAD AND CONSTRUCTION ROWS AND THIS SEGMENT TO ITS ORIGINAL CONDITION AND CHARACTER AS MUCH AS POSSIBLE/IS PRACTICAL, UNLESS DOING SO WOULD INTERFERE WITH THE SAFE OR RELIABLE OPERATION AND MAINTENANCE OF THE PROJECT. RESTORATION ACTIVITIES MAY VARY WITH THE SPECIFIC AREA TO BE RESTORED BUT WILL CONSIST PREDOMINANTLY OF RESTORING TOPOGRAPHY TO ORIGINAL GRADIENTS AND RESEEDING EXCAVATED AREAS OVER THE TRENCH AS IDENTIFIED HEREIN.

SITE PREPARATION FOR REVEGETATION

THE SURFACE OF THE ROAD AND CONSTRUCTION ROWS DISTURBED BY CONSTRUCTION ACTIVITIES WILL BE GRADED TO MATCH THE ORIGINAL TOPOGRAPHIC CONTOURS AND TO BE COMPATIBLE WITH SURROUNDING DRAINAGE PATTERNS WHERE APPROPRIATE. IT SHOULD BE NOTED THAT SUBCONTRACTORS WILL TYPICALLY LIMIT GRUBBING (THE REMOVAL OF STUMPS AND ROOTS) TO THE FOOTPRINT OF THE EXCAVATED TRENCH AND ACCESS ROADS TO ALLOW RE-SPROUTING AND ASSIST IN THE RECOVERY OF WOODY SPECIES. EXCEPT WHERE REMOVAL IS REQUIRED FOR SAFE CONSTRUCTION. WHERE NEEDED, IT MAY BE NECESSARY TO IMPORT TOPSOIL TO RETURN AN AREA TO GRADE. IMPORTED TOPSOIL WILL FOLLOW CLASSIFICATION AND CHARACTERIZATION MEASURES OUTLINED IN THE SOIL AND MATERIALS MANAGEMENT PLAN IN APPENDIX L. HDD ENTRY AND EXIT PITS WILL BE BACKFILLED AND THE DISTURBED GROUND SURFACE WILL BE SIMILARLY GRADED. THE ENTRY AND EXIT POINTS FOR EACH HDD CROSSING ARE DESCRIBED IN TABLE 5.2. TRENCHES WILL BE BACKFILLED IN ACCORDANCE WITH THE MEASURES OUTLINED IN SECTION 4.4. THE CERTIFICATE HOLDER WILL BE RESPONSIBLE FOR CHECKING ALL CULVERTS AND ASSURE THAT THEY ARE NOT CRUSHED OR BLOCKED DURING CONSTRUCTION AND RESTORATION OF THIS SEGMENT AND, IF A CULVERT IS BLOCKED OR CRUSHED, TAKE IMMEDIATE STEPS TO REPLACE OR REPAIR THE CULVERT IN ACCORDANCE WITH APPLICABLE STATE OR LOCAL STANDARDS.

RESTORATION OF CONSTRUCTION MATERIALS AND EQUIPMENT STAGING LOCATIONS AND TEMPORARY ACCESS ROADS

THE CONSTRUCTION MATERIALS AND EQUIPMENT STAGING LOCATIONS FOR THIS SEGMENT ARE SUMMARIZED IN TABLE 5.2 OF THE EM&CP AND ARE SHOWN IN THE PLAN AND PROFILE DRAWINGS AND ESCP. THESE AREAS WILL BE RESTORED AS CLOSE AS PRACTICABLE TO PRE-CONSTRUCTION CONDITIONS AND CONTOURS TO THE EXTENT PRACTICABLE.

ALL TEMPORARY FENCING AND EROSION CONTROLS WILL BE REMOVED AND DISPOSED OF IN AN ACCEPTABLE MANNER AT A STATE APPROVED DISPOSAL FACILITY APPROVED BY DPS STAFF AND THE CERTIFICATE HOLDERS. ALL MOTORIZED CONSTRUCTION EQUIPMENT WILL BE TRANSPORTED TO OFF-SITE FACILITIES. ALL OTHER USABLE CONSTRUCTION EQUIPMENT AND MATERIALS WILL BE COLLECTED, PACKED, AND TRANSPORTED TO OFF-SITE STORAGE FACILITIES OR TO THE NEXT SEGMENT'S STAGING AREA AS NEEDED. ALL UNUSABLE EQUIPMENT AND MATERIALS WILL BE REMOVED FROM THE LAYDOWN YARD AND DISPOSED OF APPROPRIATELY.

SEEDING AND PLANTING

AS DESCRIBED IN THE BMP DOCUMENT, SEEDING OPERATIONS ACROSS THE 35-FOOT-WIDE CONSTRUCTION AND FACILITY ROW AS WELL AS WITHIN STAGING AND LAYDOWN AREAS WILL COMMENCE ONLY AFTER AN ACCEPTABLE SEEDBED HAS BEEN ESTABLISHED, AS DESCRIBED ABOVE. SEED WILL BE APPLIED BY HAND, OR VIA HYDRO-SEEDERS. THE ENTIRE SEEDED AREA WILL BE WATERED WITH A FINE SPRAY, AS NECESSARY, UNTIL A UNIFORM MOISTURE DEPTH OF APPROXIMATELY ONE (1) INCH HAS BEEN ACHIEVED AS APPLICABLE. MULCHING AND ANCHORING OF THE MULCH MAY BE NECESSARY IN SOME AREAS UNLESS A HYDROMULCH/SEED SLURRY IS USED. ON STEEP SLOPES, JUTE NET WILL BE USED TO PROVIDE STABILIZATION. FERTILIZER WILL BE ADDED. AS APPLICABLE. AT THE APPROPRIATE RATES AFTER SEED IS APPLIED AND/OR TO A HYDROMULCH/SEED SLURRY. NO FERTILIZER WILL BE APPLIED IN WETLAND RESOURCE AREAS. SEEDING/MULCHING WILL TAKE PLACE UNDER THE SUPERVISION OF THE ENVIRONMENTAL INSPECTOR. THE SEED MIXTURE AND RATE OF APPLICATION WILL DEPEND ON THE SOIL TYPE, LAND USE, AVAILABLE MOISTURE, AND SEASON AT THE TIME OF APPLICATION. SEEDBED PREPARATION (FINAL TILLAGE, FERTILIZING, LIMING) AND SEEDING WILL FOLLOW RECOMMENDATIONS AS CONTAINED IN NEW YORK STATE FARMLAND: SEEDING, FERTILIZING AND LIME RECOMMENDATIONS FOR GAS PIPELINE ROW RESTORATION IN FARMLANDS (REVISED 4-27-2011) IF APPLICABLE OR AS SPECIFIED BY THE LANDOWNER. ALL SEED MIXES WILL BE FREE OF INVASIVE SPECIES. ALL SEED BAG TAGS (EITHER ORIGINAL OR SCANNED COPIES) WILL BE PROVIDED TO THE ENVIRONMENTAL INSPECTOR. SEEDED AREAS WILL BE MONITORED FOLLOWING RESTORATION UNTIL A MINIMUM VEGETATIVE COVER OF EIGHTY (80) PERCENT IS ACHIEVED. THE SEED MIXTURES WILL FOLLOW THE TECHNICAL SPECIFICATIONS INCLUDED ON THE PLAN AND PROFILE DRAWINGS IN APPENDIX C FOR UPLANDS AND WETLAND BUFFER ZONES FOR WETLAND RESOURCE AREAS, EMERGENT COMMUNITIES SHOULD BE REVEGETATED WITH AN ERNST FACW WETLAND MEADOW MIX (ERNMX-122) OR EQUIVALENT, AND FOR SHADED SITES WITHIN FORESTED/SHRUB-SHRUB WETLAND COMMUNITIES, DISTURBED AREAS SHOULD BE REVEGETATED WITH ERNST SPECIALIZED WETLAND MIX FOR SHADED AREAS (ERNMX-137) OR EQUIVALENT.

THE MAJORITY OF SOIL DISTURBANCE FOR THIS SEGMENT WILL BE WITHIN THE TRENCH-LINE FOR THE CONDUIT/CABLE. HOWEVER, SOME DISTURBANCE WILL ALSO OCCUR DURING INSTALLATION AND REMOVAL OF TEMPORARY ACCESS ROADS AS DESCRIBED IN SECTION 4.10 OF THE EM&CP. ALL TRENCH AREAS AND OTHER EXCAVATED AREAS WILL BE RESEEDED WITH AN APPROPRIATE SEED MIX AS IDENTIFIED ABOVE. VEGETATION THROUGHOUT THE CONSTRUCTION ROW WILL BE CUT TO GROUND LEVEL AND ROOT SYSTEMS WILL REMAIN INTACT TO ALLOW FOR RESPROUTING FOLLOWING CONSTRUCTION, UNLESS RESPROUTING WOULD INTERFERE WITH THE SAFE AND RELIABLE OPERATION OF THE PROJECT.

WHEN TREE CLEARING IS REQUIRED, ALL TREES OVER TWO (2) INCHES IN DBH OR SHRUBS OVER FOUR (4) FEET IN HEIGHT THAT ARE DAMAGED OR DESTROYED BY ACTIVITIES DURING CONSTRUCTION. OPERATION. OR MAINTENANCE WITHIN ASSOCIATED URBAN. RESIDENTIAL LANDSCAPED AREAS, AND RECREATIONAL AREAS, WILL BE REPLACED WITHIN THE FOLLOWING YEAR BY THE CERTIFICATE HOLDERS WITH THE EQUIVALENT TYPE OF TREES OR SHRUBS EXCEPT

a)EQUIVALENT TYPE REPLACEMENT TREES OR SHRUBS WOULD INTERFERE WITH THE PROPER CLEARING, CONSTRUCTION, OPERATION, OR MAINTENANCE OF THE PROJECT OR WOULD BE INCONSISTENT WITH STATE-INVASIVE SPECIES POLICY; OR

b) REPLACEMENT WOULD BE CONTRARY TO SOUND ROW MANAGEMENT PRACTICES, OR TO ANY APPROVED LONG-RANGE ROW MANAGEMENT PLAN APPLICABLE TO THE FACILITY OR ADJOINING ROW: OR

c)THE OWNER OF LAND WHERE THE DAMAGED OR DESTROYED TREES OR SHRUBS WERE LOCATED (OR OTHER RECORDED EASEMENT OR LICENSE HOLDERS WITH THE RIGHT TO CONTROL REPLACEMENT) DECLINES REPLACEMENT.

RESTORATION OF WATERBODIES

DIRECT IMPACTS TO STREAMS AND WATERBODIES ASSOCIATED WITH THIS SEGMENT HAVE BEEN AVOIDED BY CROSSING OVER OR UNDER EXISTING CULVERTS, AND INCORPORATING HDD METHODS. HOWEVER, IF IMPACTS TO WATERBODIES DO OCCUR, PER THE CERTIFICATE CONDITION 117 , THE CERTIFICATE HOLDERS HAVE ESTABLISHED AND WILL IMPLEMENT THE FOLLOWING PROGRAM TO MONITOR THE SUCCESS OF STREAM RESTORATION UPON COMPLETION OF CONSTRUCTION AND RESTORATION ACTIVITIES. PER CONDITIONS K AND L OF THE USACE PERMIT. THE FOLLOWING WILL DETERMINE IF STREAM AND RESTORATION IS SUCCESSFUL:

- 1. ALL PLANTINGS HAVE AN 85% SURVIVAL RATE
- 2. ALL ESTABLISHED WETLAND AREAS IN CONJUNCTION WITH THE COMPENSATORY MITIGATION HAVE AN 85% COVERAGE RATE OF HYDROPHYTIC PLANTS.
- 3. VEGETATION IN NEWLY ESTABLISHED WETLAND AREAS DO NOT CONSIST OF MORE THAN 5% TOTAL AREAL COVERAGE OF COMMON REED GRASS, PURPLE LOOSESTRIFE, REED CANARY GRASS, JAPANESE KNOTWOOD, TARTARIAN HONEYSUCKLE, EURASIAN MILFOIL, AND/OR OTHER INVASIVE SPECIES.

PER CONDITION NN OF THE USACE PERMIT THE CERTIFICATE HOLDERS, SHALL PROVIDE ADDITIONAL MONITORING REPORTS, AS DIRECTED IN WRITING, SHOULD IT BE DETERMINED THAT THE WETLAND MITIGATION SUCCESS CRITERIA LISTED ABOVE HAVE NOT BEEN MET FOR THREE CONSECUTIVE YEARS.

RESTORATION OF WETLANDS

THESE AREAS WILL BE RESTORED IN ACCORDANCE WITH SECTION 14.4.2 OF THE EM&CP AS CLOSE AS PRACTICABLE TO PRE-CONSTRUCTION CONDITIONS AND CONTOURS. ALL TEMPORARY FENCING AND EROSION CONTROLS WILL BE REMOVED AND DISPOSED OF IN AN ACCEPTABLE MANNER AT A STATE APPROVED DISPOSAL FACILITY APPROVED BY DPS STAFF AND THE CERTIFICATE HOLDER. ALL MOTORIZED CONSTRUCTION EQUIPMENT WILL BE TRANSPORTED TO OFF—SITE FACILITIES. ALL WETLAND MATS AND MATERIALS WILL BE COLLECTED, PACKED, AND TRANSPORTED TO OFF-SITE STORAGE FACILITY OR TO THE NEXT SEGMENT'S STAGING AREAS NEEDED.

PLANT INSPECTION, GUARANTEE AND MAINTENANCE

VEGETATION RESTORATION ALSO INCLUDES THE MAINTENANCE OF PLANTINGS FOR SPECIFIED TIME PERIODS AND THE REPLACEMENT OF UNSUCCESSFUL PLANTINGS. PRIOR TO PLANTING, THE ENVIRONMENTAL INSPECTOR WILL INSPECT ALL PLANTS IN CONTAINERS. PLANTINGS WILL BE PERFORMED BY A QUALIFIED LANDSCAPE OR NURSERY CONTRACTOR. THE ENVIRONMENTAL INSPECTOR WILL ALSO INSPECT ALL PLANTS AFTER COMPETITION OF PLANTING TO ENSURE PROPER PLANTING PROCEDURES AND THE CORRECT PLANT SPECIES WERE USED. ADDITIONALLY THE ENVIRONMENTAL INSPECTOR WILL CONDUCT A FINAL INSPECTION OF ALL REVEGETATED AREAS AFTER THE END OF THE MONITORING PERIOD TO ENSURE FINAL STABILIZATION. ALL VEGETATION REPLACED WILL HAVE A MINIMUM TWO (2) YEAR SURVIVAL GUARANTEE. AS DESCRIBED IN THE BMP DOCUMENT, WHERE TREE OR SHRUB PLANTINGS ARE NEEDED, A POST CONSTRUCTION SURVIVAL SURVEY WILL BE PERFORMED ONE YEAR AFTER THE PLANTINGS. IF ANY TREE OR SHRUB HAS NOT SURVIVED OR IS IN POOR HEALTH, THE TREE/SHRUB WILL BE REPLACED.

SWPPP INSPECTIONS WILL BE PERFORMED BY THE ENVIRONMENTAL INSPECTOR ON A WEEKLY BASIS UNTIL ALL DISTURBED AREAS HAVE ACHIEVED 80% REVEGETATION AND HAVE ACHIEVED FINAL STABILIZATION. FOLLOWING FINAL RESTORATION, EROSION AND SEDIMENT CONTROL MEASURES WILL BE REMOVED FROM THE SITE AND DISPOSED OF APPROPRIATELY.

RESTORATION WITHIN NYSDOT ROW

ALL RESTORATION WITHIN THE NYSDOT ROW SHALL BE DONE IN ACCORDANCE WITH THE LATEST VERSION OF THE NYSDOT STANDARD SPECIFICATIONS AND STANDARD SHEETS.

RESTORATION OF RECREATIONAL AREAS

FOLLOWING CONSTRUCTION, THE CERTIFICATE HOLDERS WILL RESEED THE CONSTRUCTION AREA WITHIN RECREATIONAL AREAS (WHERE IMPACTED AND IF APPLICABLE) USING THE PROCEDURES AND METHODS SPECIFIED IN THE SECTIONS ABOVE WHERE NEEDED. IF NECESSARY, ADDITIONAL REVEGETATION AND TREE PLANTING MAY BE PERFORMED DEPENDING ON THE IMPACT OF CONSTRUCTION.

ROADWAY RESTORATION (STRIPING, SIGNAGE, AUDIBLE ROADWAY **DELINEATORS**)

STRIPING IMPACTED OR REMOVED FROM CONSTRUCTION WITHIN THE LIMITS OF WORK, INCLUDING AREAS OF MILL AND OVERLAYS IS TO BE REINSTALLED PER EXISTING STRIPING PATTERNS. CONTRACTOR SHALL INVENTORY ALL STRIPING PRIOR TO WORK. WORK IS TO BE COMPLETED IN ACCORDANCE WITH NYSDOT STANDARD SHEETS AND SPECIFICATIONS (SEE 685 SERIES STANDARD SHEETS). SIGNAGE IMPACTED, DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE REPLACED IN KIND OR REINSTALLED IN ACCORDANCE WITH NYSDOT STANDARD SHEETS AND SPECIFICATIONS (SEE 645 SERIES STANDARD SHEETS). AUDIBLE ROADWAY DELINEATORS DAMAGED OR REMOVED DUE TO CONSTRUCTION SHALL BE INSTALLED DURING RE-PAVING OPERATIONS IN ACCORDANCE WITH NYSDOT STANDARD SHEET 649-03.

RESTORATION OF ROADWAY

THESE AREAS WILL BE RESTORED AS CLOSE AS PRACTICABLE TO PRE-CONSTRUCTION CONDITIONS AND CONTOURS. TRENCHES WILL BE BACKFILLED PER THE APPROPRIATE DETAIL, FULL WIDTH OF THE TRENCH WILL BE RESTORED TO MATCH THE EXISTING PAVEMENT SECTION, THE FULL WIDTH OF THE TRAVEL LANE TO THE CENTERLINE WILL BE MILLED AND OVERLAYED WITH A TOP COURSE OF ASPHALT. ALL TEMPORARY FENCING AND EROSION CONTROLS WILL BE REMOVED AND DISPOSED ON IN AN ACCEPTABLE MANNER AT A STATE APPROVED DISPOSAL FACILITY APPROVED BY DPS STAFF AND THE CERTIFICATE HOLDERS.

RESTORATION OF ROADWAY SHOULDER

THESE AREAS WILL BE RESTORED AS CLOSE AS PRACTICABLE TO PRE-CONSTRUCTION CONDITIONS AND CONTOURS. TRENCHES WILL BE BACKFILLED PER THE APPROPRIATE DETAIL, FULL WIDTH OF THE TRENCH WILL BE RESTORED TO MATCH THE EXISTING PAVEMENT SECTION. THE FULL WIDTH OF THE TRAVEL LANE TO THE CENTERLINE WILL BE MILLED AND OVERLAYED WITH A TOP COURSE OF ASPHALT. ALL TEMPORARY FENCING AND EROSION CONTROLS WILL BE REMOVED AND DISPOSED ON IN AN ACCEPTABLE MANNER AT A STATE APPROVED DISPOSAL FACILITY APPROVED BY DPS STAFF AND THE CERTIFICATE HOLDERS.

PAVEMENT RESTORATION

AS DESCRIBED IN THE BMP DOCUMENT AND CERTIFICATE CONDITIONS, CURBS, SIDEWALKS, AND STREETS DAMAGED BY CONSTRUCTION WILL BE RESTORED TO PRE-EXISTING CONDITION OR BETTER. FURTHER, DISTURBED AREAS, RUTS, AND RILLS ALONG ROADWAYS SHALL BE RESTORED TO ORIGINAL GRADES AND CONDITIONS WITH PERMANENT REVEGETATION AND EROSION AND CONTROLS APPROPRIATE FOR THOSE LOCATIONS, AS APPROPRIATE.

THE CERTIFICATE HOLDERS WILL CONSULT THE MUNICIPAL OR HIGHWAY DEPARTMENT AND OR REGIONAL OFFICE OR COUNTY ENGINEER OF THE NYSDOT IN ORDER TO IDENTIFY AND INCORPORATE APPROPRIATE SPECIFICATIONS FOR CURB, SIDEWALK, OR STREET RESTORATION. ALL SURFACE RESTORATION WILL FOLLOW THE SPECIFICATIONS PROVIDED IN THE PLAN AND PROFILE DRAWINGS. GUIDE RAILS WILL BE REMOVED AND REPLACE IN ACCORDANCE WITH NYSDOT STANDARD SHEET

RESTORATION OF RAILWAY BALLAST

UPON COMPLETION OF THE INSTALLATION OF THE OVERLAND TRANSMISSION CABLE. THE SURFACE OF THE RAILROAD ROW DISTURBED BY CONSTRUCTION ACTIVITIES WILL BE GRADED TO MATCH THE ORIGINAL TOPOGRAPHIC CONTOURS AND TO BE COMPATIBLE WITH SURROUNDING DRAINAGE PATTERNS. BACKFILL OR FILL WILL BE COMPACTED TO MATCH SURROUNDING GRADE. THE GROUND COVER WILL BE RETURNED TO PRE-EXISTING CONDITIONS, BY REVEGETATING THE BALLAST OR STABILIZING WITH BALLAST STONE. TO ENSURE PROPER RESTORATION AND PROTECTION OF THE RAILWAY BALLAST, THE RAILROAD OWNERS HAVE BEEN CONSULTED TO ENSURE RESTORATION MEETS THE ENGINEERING REQUIREMENTS OF THE RAILWAYS.

SEED MIXES

- A. GENERAL SEED:
- 1. PIPELINE MIX W/SWITCHGRASS (ERNMX-102-1)
- 2. MIX COMPOSITION
- 33.0% PANICUM VIRGATUM, 'SHAWNEE' (SWITCHGRASS, 'SHAWNEE')
- 25.0% FESTUCA RUBRA (CREEPING RED FESCUE)
- 18.0% LOLIUM MULTIFLORUM (ANNUAL RYEGRASS)
- 16.0% PHLEUM PRATENSE, CLIMAX (TIMOTHY, CLIMAX) 5.0% TRIFOLIUM HYBRIDUM (ALSIKE CLOVER)
- 3.0% AGROSTIS ALBA (REDTOP)
- 3. APPLIED AT A RATE OF 40 LBS/ACRE.
- B. ADIRONDACK SEED:
- 1. MIX COMPOSITION
 - 25% VIRGINIA WILD RYE (ELYMUS VIRGINICUS VAR. VIRGINICUS)
 - 25% CANADA WILD RYE (ELYMUS CANADENSIS)
 - 25% AUTUMN BENTGRASS (AGROSTIS PERENNANS)
 - 25% CAMPER LITTLE BLUESTEM (SCHIZACHYRIUM SCOPARIUM)
- 2. APPLIED AT A RATE OF 40 LBS/ACRE.
- C. SPECIALIZED WETLAND MIX FOR SHADED OBL-FACW AREAS (ERNMX-137)
- 1. MIX COMPOSITION
 - 35.0% CAREX VULPINOIDEA, PA ECOTYPE (FOX SEDGE, PA ECOTYPE)
 - 20.0% ELYMUS VIRGINICUS, MADISON-NY ECOTYPE (VIRGINIA WILDRYE, MADISON-NY ECOTYPE)
- 15.0% CAREX SCOPARIA, PA ECOTYPE (BLUNT BROOM SEDGE, PA ECOTYPE)
- 12.8% CAREX LURIDA, PA ECOTYPE (LURID SEDGE, PA ECOTYPE)
- 5.0% CAREX LUPULINA, PA ECOTYPE (HOP SEDGE, PA ECOTYPE)
- 4.0% VERBENA HASTATA, PA ECOTYPE (BLUE VERVAIN, PA ECOTYPE)
- 2.0% HELIOPSIS HELIANTHOIDES, PA ECOTYPE (OXEYE SUNFLOWER, PA ECOTYPE)
- 1.0% CAREX INTUMESCENS, PA ECOTYPE (STAR SEDGE, PA ECOTYPE)
- 1.0% SPARGANIUM AMERICANUM (EASTERN BUR REED)
- 0.7% IRIS VERSICOLOR (BLUEFLAG)
- 0.5% BIDENS CERNUA, PA ECOTYPE (NODDING BUR MARIGOLD, PA ECOTYPE)
- 0.5% CAREX CRINITA, PA ECOTYPE (FRINGED SEDGE, PA ECOTYPE)
- 0.5% CAREX STIPATA, PA ECOTYPE (AWL SEDGE, PA ECOTYPE)
- 0.5% EUPATORIUM PERFOLIATUM, PA ECOTYPE (BONESET, PA ECOTYPE)
- 0.5% SCIRPUS CYPERINUS, PA ECOTYPE (WOOLGRASS, PA ECOTYPE)
- 0.5% VERNONIA NOVEBORACENSIS, PA ECOTYPE (NEW YORK IRONWEED, PA ECOTYPE)
- 0.3% LOBELIA SIPHILITICA, PA ECOTYPE (GREAT BLUE LOBELIA, PA ECOTYPE)
- 0.2% PENTHORUM SEDOIDES, PA ECOTYPE (DITCH STONECROP, PA ECOTYPE)
- 2. APPLIED AT A RATE OF APPROXIMATELY 20 LBS/ACRE, ALONG WITH THE COVER CROP.
- 3. COVER CROP SHOULD BE APPLIED AT A RATE OF 60-80 LBS/ACRE. COVER CROP TO BE AN ANNUAL RYE. COVER CROP BASED ON SEASON OF RESTORATION AN ANNUAL RYE THROUGH SPRING AND SUMMER AND WINTER RYE FOR LATE FALL.
- D. FACW WETLAND MEADOW MIX (ERNMX-122)
- 1. MIX COMPOSITION
- 21.0% CAREX VULPINOIDEA, PA ECOTYPE (FOX SEDGE, PA ECOTYPE)
- 20.0% ELYMUS VIRGINICUS, PA ECOTYPE (VIRGINIA WILDRYE, PA ECOTYPE)
- 16.0% CAREX LURIDA, PA ECOTYPE (LURID SEDGE, PA ECOTYPE)
- 12.0% CAREX LUPULINA, PA ECOTYPE (HOP SEDGE, PA ECOTYPE)
- 12.0% CAREX SCOPARIA, PA ECOTYPE (BLUNT BROOM SEDGE, PA ECOTYPE)
- 3.0% VERBENA HASTATA, PA ECOTYPE (BLUE VERVAIN, PA ECOTYPE)
- 2.4% ASCLEPIAS INCARNATA, PA ECOTYPE (SWAMP MILKWEED, PA ECOTYPE)
- 2.0% JUNCUS EFFUSUS (SOFT RUSH)
- 2.0% ZIZIA AUREA, PA ECOTYPE (GOLDEN ALEXANDERS, PA ECOTYPE)
- 1.6% ASTER NOVAE-ANGLIAE, PA ECOTYPE (NEW ENGLAND ASTER, PA ECOTYPE)
- 1.3% CAREX STIPATA, PA ECOTYPE (AWL SEDGE, PA ECOTYPE)
- 1.0% BIDENS CERNUA, PA ECOTYPE (NODDING BUR MARIGOLD, PA ECOTYPE)
- 1.0% JUNCUS TENUIS, PA ECOTYPE (PATH RUSH, PA ECOTYPE)
- 0.8% SOLIDAGO RUGOSA, PA ECOTYPE (WRINKLELEAF GOLDENROD, PA ECOTYPE)
- 0.6% VERBENA URTICIFOLIA, PA ECOTYPE (WHITE VERVAIN, PA ECOTYPE) 0.5% CAREX CRINITA, PA ECOTYPE (FRINGED SEDGE, PA ECOTYPE)
- 0.5% EUPATORIUM PERFOLIATUM, PA ECOTYPE (BONESET, PA ECOTYPE)
- 0.5% HELENIUM AUTUMNALE, PA ECOTYPE (COMMON SNEEZEWEED, PA ECOTYPE)
- 0.5% MIMULUS RINGENS, PA ECOTYPE (SQUARE STEMMED MONKEYFLOWER, PA ECOTYPE)
- 0.3% LOBELIA SIPHILITICA, PA ECOTYPE (GREAT BLUE LOBELIA, PA ECOTYPE)
- 0.3% SCIRPUS CYPERINUS, PA ECOTYPE (WOOLGRASS, PA ECOTYPE)
- 0.2% ALISMA SUBCORDATUM, PA ECOTYPE (MUD PLANTAIN, PA ECOTYPE)
- 0.2% ASTER PUNICEUS, PA ECOTYPE (PURPLESTEM ASTER, PA ECOTYPE) 0.2% ASTER UMBELLATUS, PA ECOTYPE (FLAT TOPPED WHITE ASTER, PA ECOTYPE)
- 0.1% PENTHORUM SEDOIDES, PA ECOTYPE (DITCH STONECROP, PA ECOTYPE)
- 2. APPLIED AT A RATE OF APPROXIMATELY 20 LBS/ACRE, ALONG WITH THE COVER CROP.
- 3. COVER CROP SHOULD BE APPLIED AT A RATE OF 60-80 LBS/ACRE. COVER CROP TO BE AN ANNUAL RYE. COVER CROP BASED ON SEASON OF RESTORATION AN ANNUAL RYE THROUGH SPRING AND SUMMER AND WINTER RYE FOR LATE FALL.

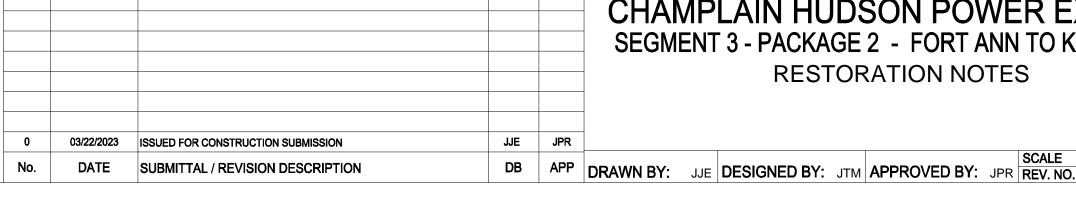








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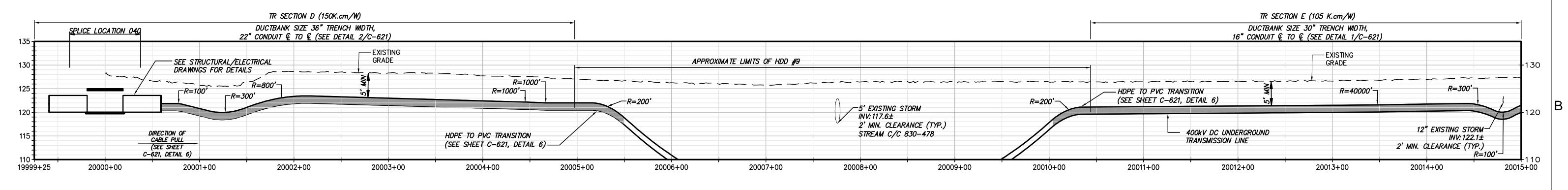
CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY RESTORATION NOTES

KIEWIT PROJECT NO. 21162 CHA PROJECT NO. DRAWING NO.

AS NOTED DATE

G-020

03/22/2023



STA. 20000+00 TO STA. 20015+00 PROFILE VIEW SCALE: H: 1" = 50' V: 1" = 10'









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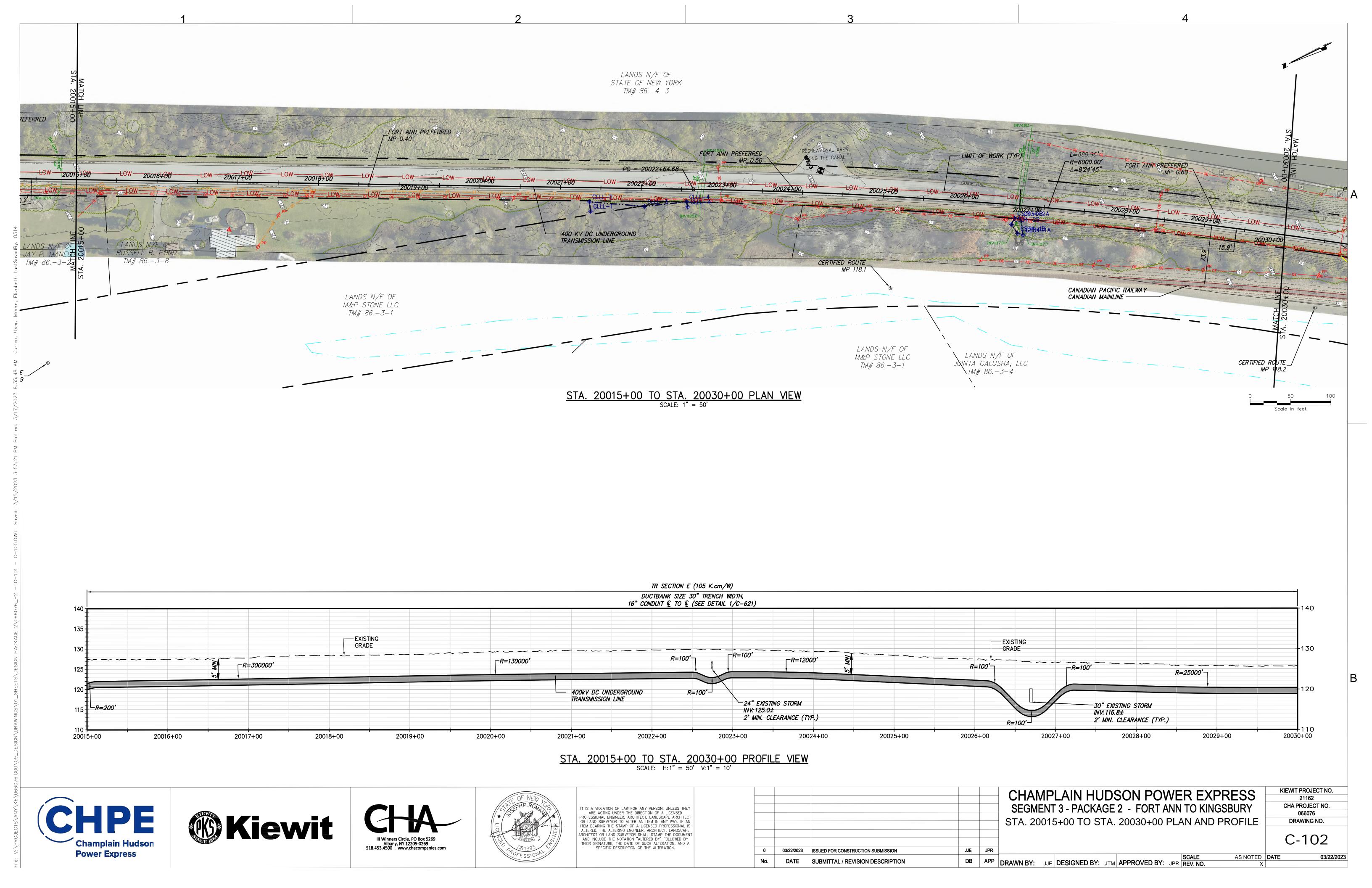
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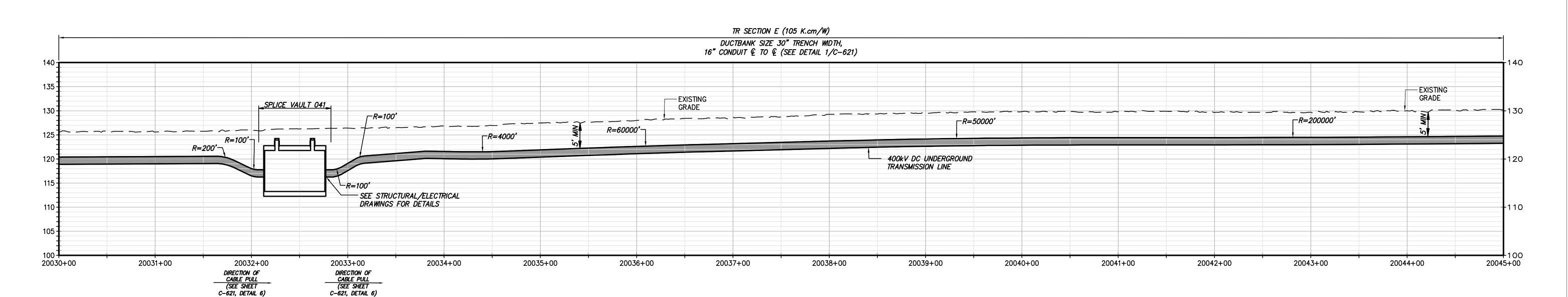
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DB APP DRAWN BY: JJE DESIGNED BY: JTM APPROVED BY: JPR REV. NO.

KIEWIT PROJECT NO.
21162
CHA PROJECT NO.
066076
DRAWING NO.

C-101
AS NOTED DATE 03/22/2





STA. 20030+00 TO STA. 20045+00 PROFILE VIEW SCALE: H:1" = 50' V:1" = 10'









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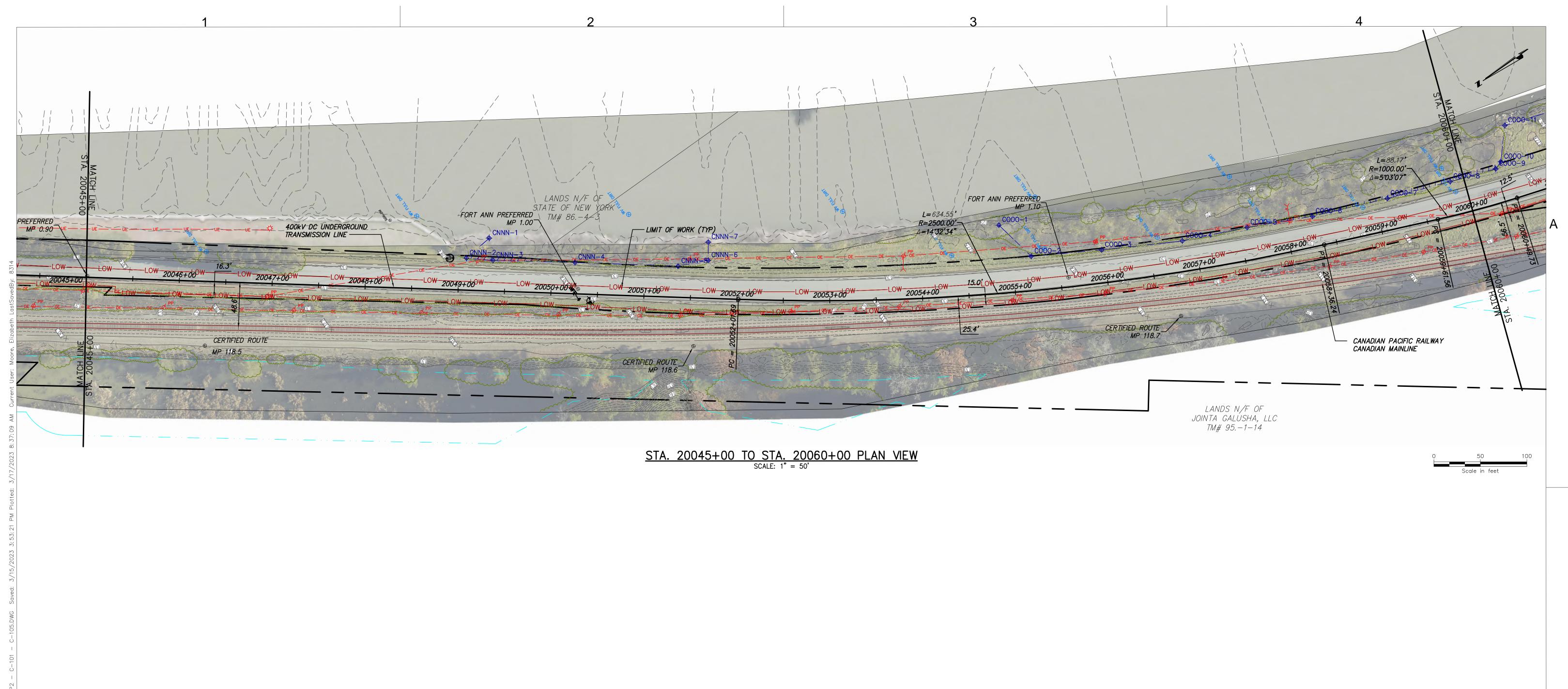
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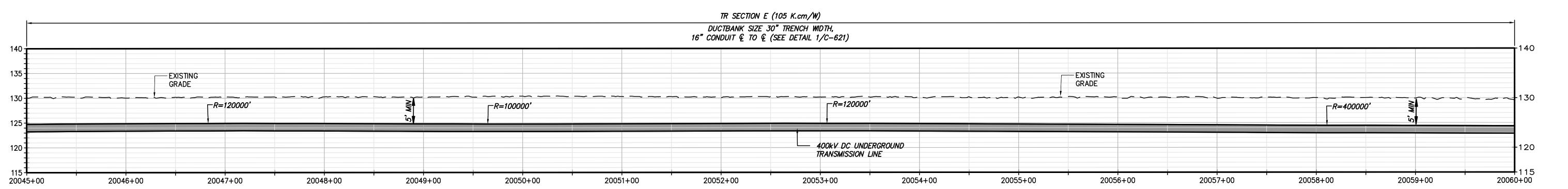
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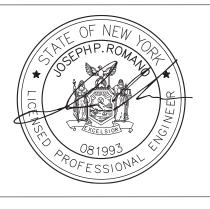
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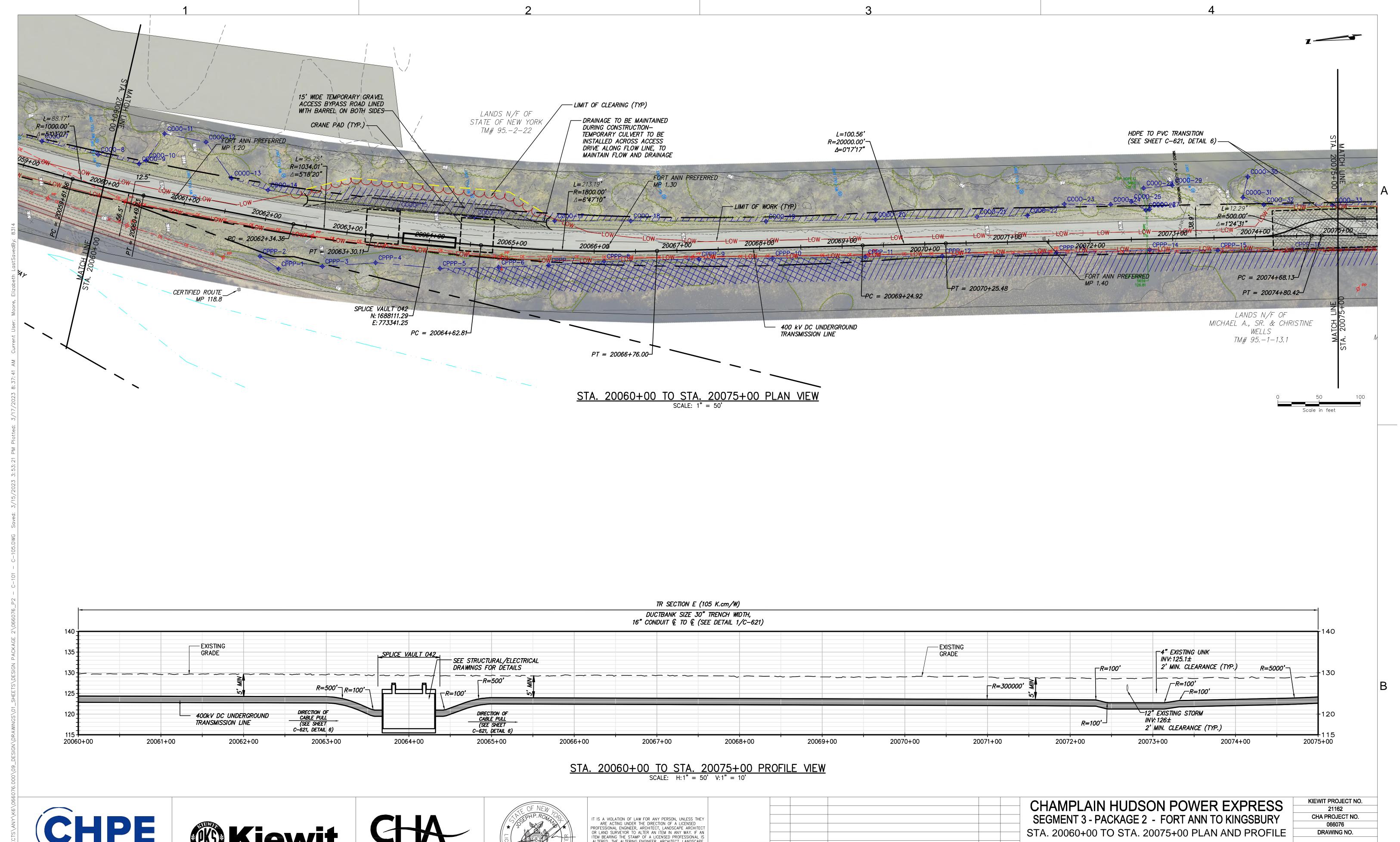
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CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY STA. 20045+00 TO STA. 20060+00 PLAN AND PROFILE

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Champlain Hudson Power Express



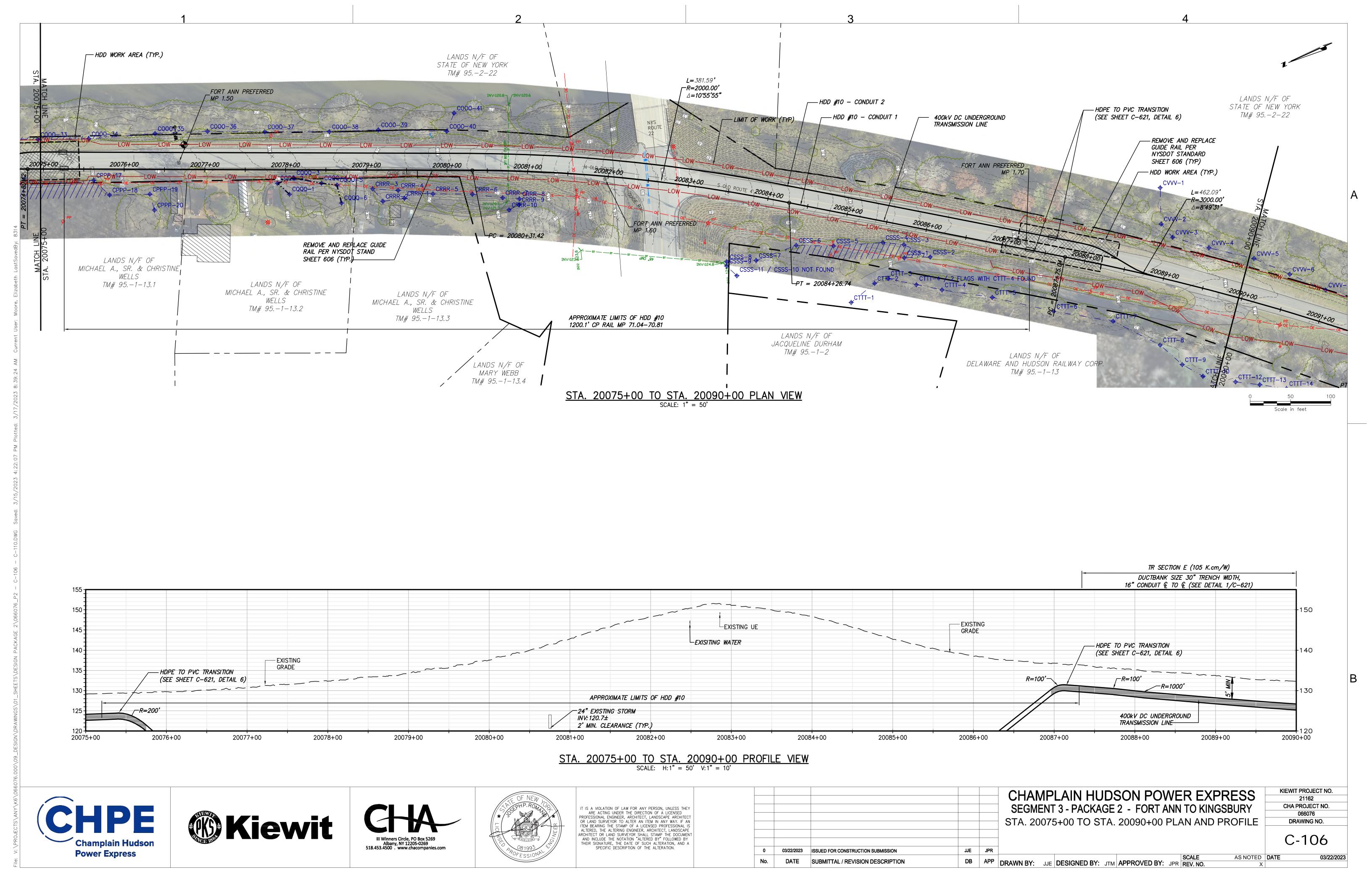


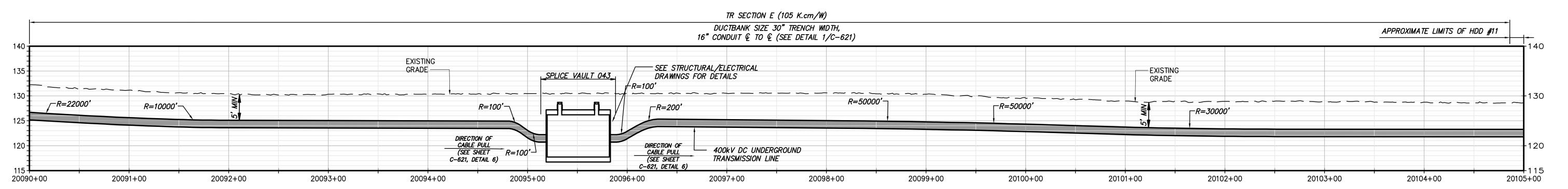


IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE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

					SEGMENT 3 - PACKAGE 2 - FORTSTA. 20060+00 TO STA. 20075+0	ΓANN	TO KII
0	03/22/2023	ISSUED FOR CONSTRUCTION SUBMISSION	JJE	JPR			
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DRAWN BY: JJE DESIGNED BY: JTM APPROVED B	Y: JPR	SCALE REV. NO.

C-105 AS NOTED DATE





STA. 20090+00 TO STA. 20105+00 PROFILE VIEW SCALE: H:1" = 50' V:1" = 10'







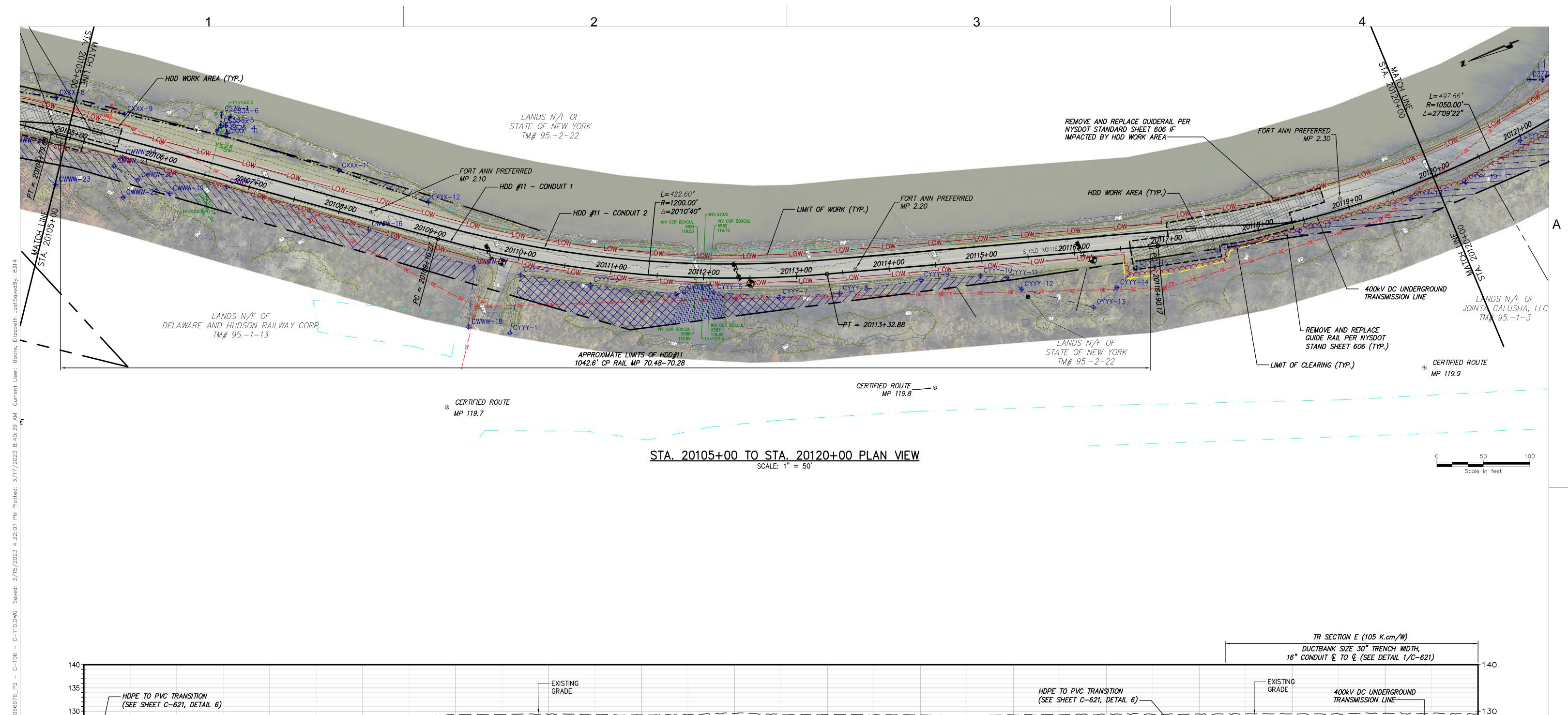


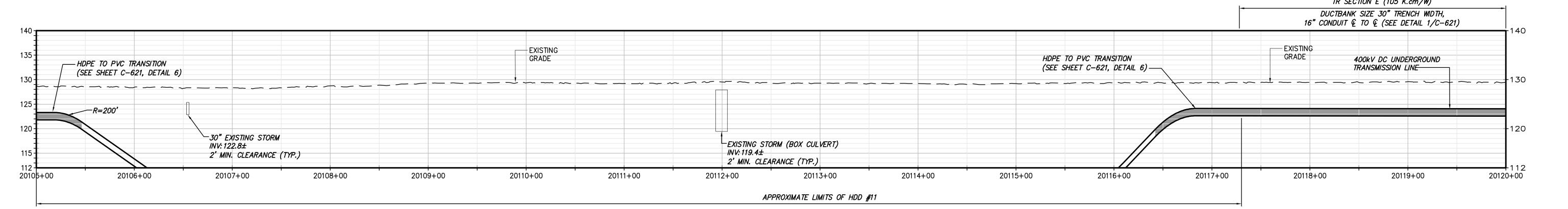
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS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

0	03/22/2023	ISSUED FOR CONSTRUCTION SUBMISSION	JJE	JPR	CHAMPLAIN HUDSON POWER EX SEGMENT 3 - PACKAGE 2 - FORT ANN TO KILL STA. 20090+00 TO STA. 20105+00 PLAN AND
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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DRAWN BY: JJE DESIGNED BY: JTM APPROVED BY: JPR REV. NO.

CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY STA. 20090+00 TO STA. 20105+00 PLAN AND PROFILE KIEWIT PROJECT NO. 21162 CHA PROJECT NO. DRAWING NO.

C-107





STA. 20105+00 TO STA. 20120+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.

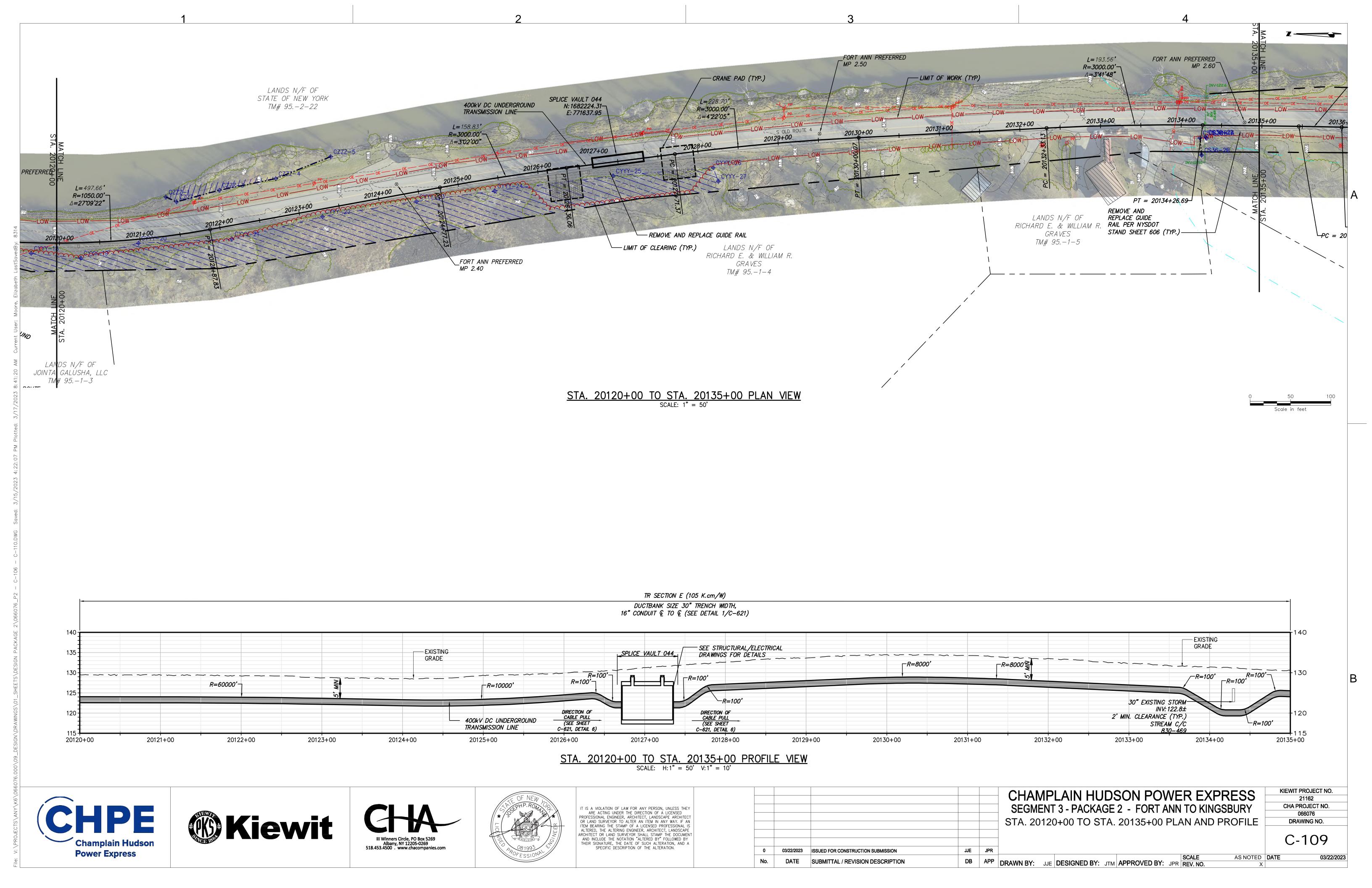
0	03/22/2023	ISSUED FOR CONSTRUCTION SUBMISSION	JJE	JPR	SEGMENT	LAIN HUDS 3 - PACKAGE 5+00 TO STA.	2 - F
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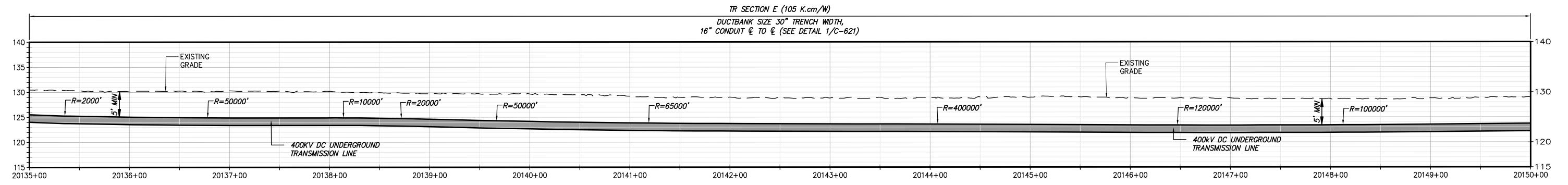
DATE SUBMITTAL / REVISION DESCRIPTION

KIEWIT PROJECT NO. N POWER EXPRESS 21162 FORT ANN TO KINGSBURY CHA PROJECT NO. 120+00 PLAN AND PROFILE

DB APP DRAWN BY: JJE DESIGNED BY: JTM APPROVED BY: JPR REV. NO.

DRAWING NO. C-108





STA. 20135+00 TO STA. 20150+00 PROFILE VIEW

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









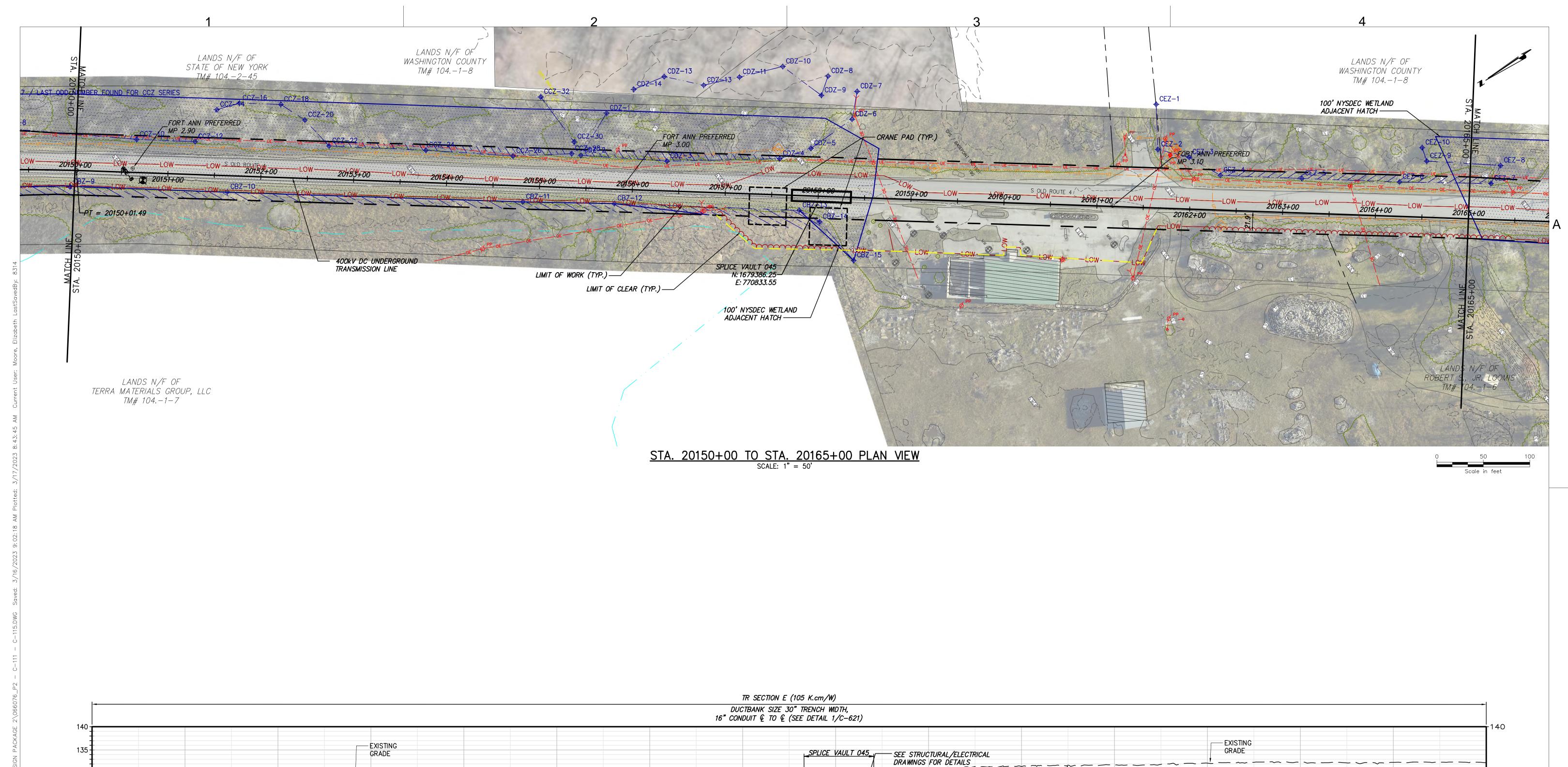
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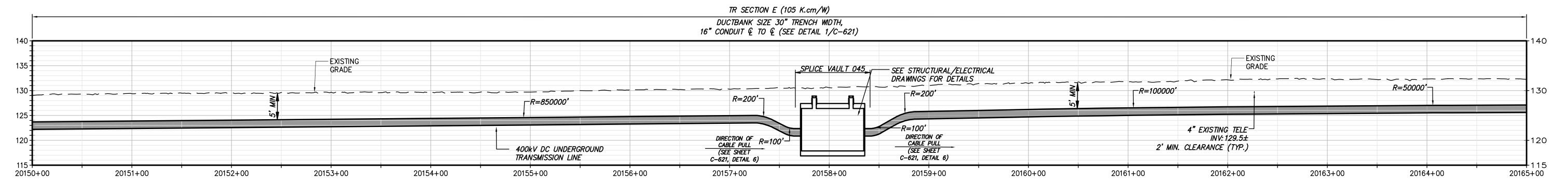
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0	03/22/2023	ISSUED FOR CONSTRUCTION SUBMISSION	JJE	JPR	

CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY STA. 20135+00 TO STA. 20150+00 PLAN AND PROFILE KIEWIT PROJECT NO. 21162 CHA PROJECT NO. 066076 DRAWING NO.

C-110

AS NOTED DATE 03/22/2023 DB APP DRAWN BY: JJE DESIGNED BY: JTM APPROVED BY: JPR REV. NO. DATE | SUBMITTAL / REVISION DESCRIPTION





STA. 20150+00 TO STA. 20165+00 PROFILE VIEW SCALE: H: 1" = 50' V: 1" = 10'









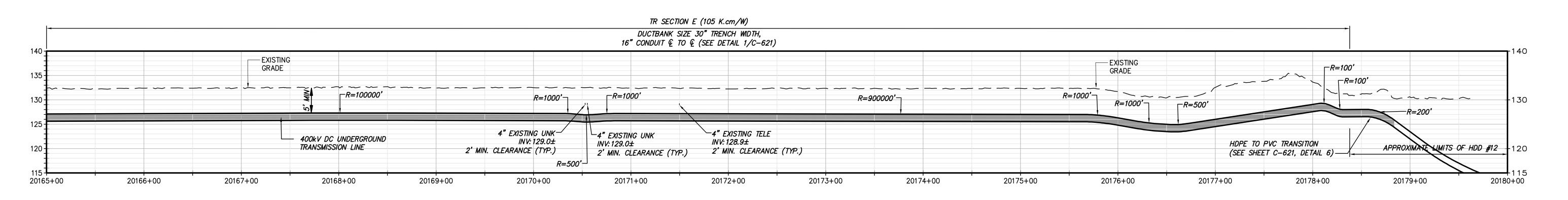
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0	03/22/2023	ISSUED FOR CONSTRUCTION SUBMISSION	JJE	JPR	SEGMENT 3 - PACKAGE 2 - FORT ANN TO KIN STA. 20150+00 TO STA. 20165+00 PLAN AND
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DRAWN BY: JJE DESIGNED BY: JTM APPROVED BY: JPR REV. NO.

CHAMPLAIN HUDSON POWER EXPRESS ORT ANN TO KINGSBURY 5+00 PLAN AND PROFILE

KIEWIT PROJECT NO. 21162 CHA PROJECT NO. 066076 DRAWING NO.

C-111 AS NOTED DATE



STA. 20165+00 TO STA. 20180+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.

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	No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DRAWN BY: JJE DESIGNED BY: JTM APPROVED BY: JPR REV. NO.

CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY STA. 20165+00 TO STA. 20180+00 PLAN AND PROFILE KIEWIT PROJECT NO. 21162 CHA PROJECT NO. 066076 DRAWING NO.

C-112