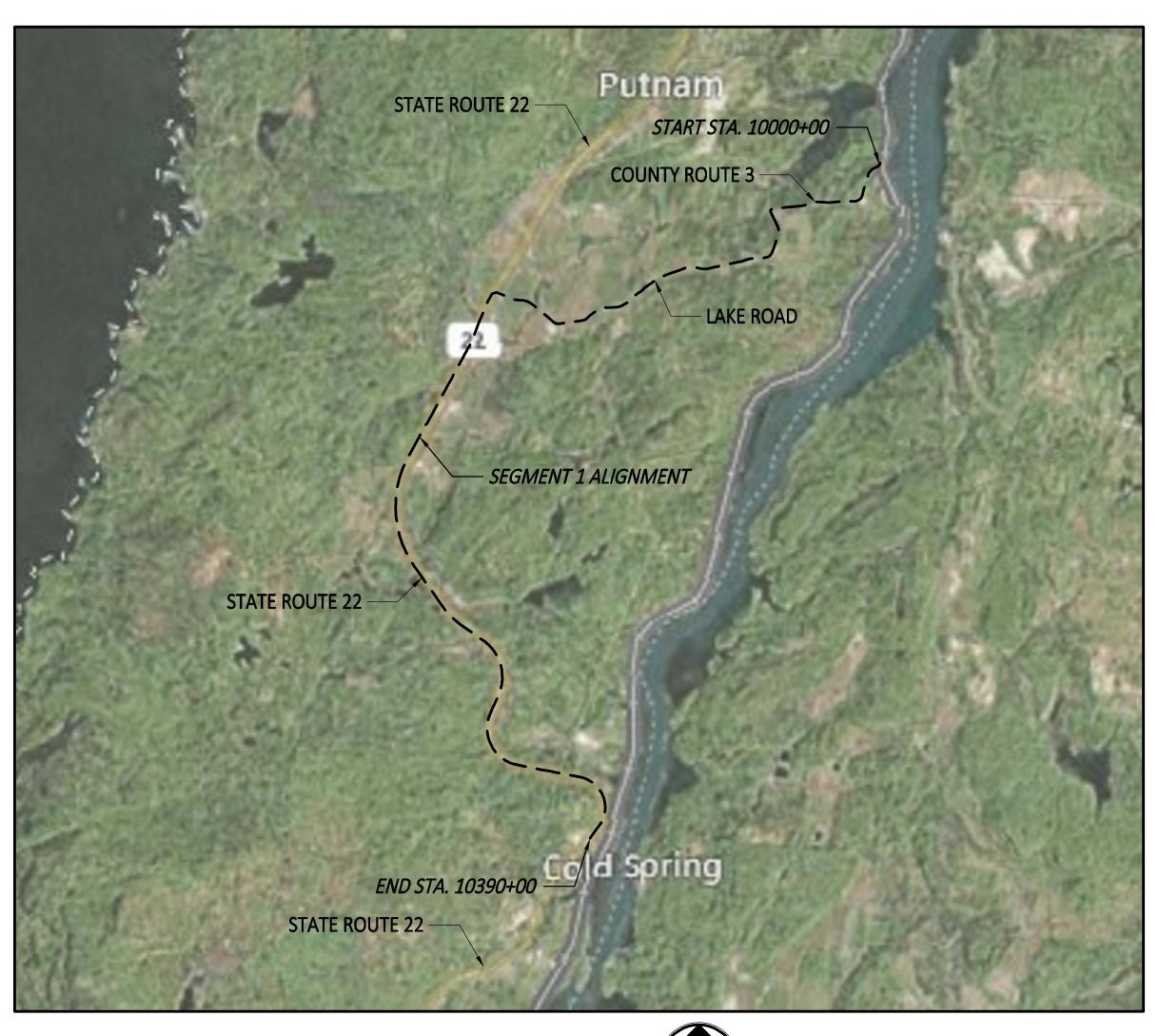
## Appendix C. Plan and Profile Drawings

# CHAMPLAIN HUDSON POWER EXPRESS

SEGMENT 1 - PUTNAM TO DRESDEN WASHINGTON COUNTY, NEW YORK 100% FINAL SUBMISSION (APRIL 15, 2022)





NOT FOR CONSTRUCTION







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.

					SEGME
A	04/15/2022	EM&CP REGULATORY SUBMISSION	JM	JR	

SUBMITTAL / REVISION DESCRIPTION

CHAMPLAIN HUDSON POWER EXPRESS MENT 1 - PUTNAM TO DRESDEN **COVER SHEET** 

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

KIEWIT PROJECT NO. CHA PROJECT NO. DRAWING NO. G-000

XXX OF XXX

AS NOTED DATE

Structure Table Structure Name Station | Finished Grade | Bottom of Structure | Difference FIBER SPLICE MANHOLE 001 | 10000+00.00 | RIM = 105.53 0.00 303.914 FIBER SPLICE MANHOLE 002 | 10160+73.15 | RIM = 307.91 4.00 FIBER SPLICE MANHOLE 003 | 10317+87.48 | RIM = 384.41 4.00 370.951 4.50 LINK BOX HANDHOLE 004 | 10096+50.74 | RIM = 374.95 LINK BOX HANDHOLE 008 | 10206+83.35 | RIM = 306.51 302.508 4.50 LINK BOX HANDHOLE 012 | 10323+96.77 | RIM = 358.86 354.859 4.50 11.67 SPLICE VAULT 001 10031 + 35.03 RIM = 250.35246.350 11.67 SPLICE VAULT 002  $10063+56.11 \mid RIM = 331.64$ SPLICE VAULT 003  $10096+26.24 \mid RIM = 375.31$ 371.309 11.67 SPLICE VAULT 004  $10119+56.87 \mid RIM = 371.51$ 364.000 15.17 SPLICE VAULT 005 10143+83.16 RIM = 297.19 291.194 11.67 SPLICE VAULT 006 10180 + 33.52 RIM = 289.5111.67 SPLICE VAULT 007  $10206 + 58.85 \mid RIM = 305.66$ 301.662 11.67 SPLICE VAULT 008 10232+72.08 RIM = 430.35426.348 11.67 SPLICE VAULT 009 10258+52.97 RIM = 421.46 417.457 11.67 SPLICE VAULT 010 10291+66.23 RIM = 556.51 11.67  $10323+72.32 \mid RIM = 360.47$ 11.67 SPLICE VAULT 011 SPLICE VAULT 012 10357 + 24.45 RIM = 138.17134.175 11.67

10389 + 26.55 RIM = 152.46

10000+00.00 RIM = 105.25

148.463

101.255

11.67

11.67

SPLICE VAULT 013

TRANSITION VAULT



PLAN AND PROFILE KEY MAP

SCALE: 1" = 2000'

Champlain Hudson **Power Express** 





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Α	04/15/2022	EM&CP REGULATORY
		_
	A	A 04/15/2022

DATE SUBMITTAL / REVISION DESCRIPTION

CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 1 - PUTNAM TO DRESDEN KEYPLAN

KIEWIT PROJECT NO. 21162 CHA PROJECT NO. 066076 DRAWING NO. G-001

XXX OF XXX

DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION
OF THE ALTERATION.

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

AS NOTED DATE

BRIDGE DECK PAVED DRIVEWAY UNPAVED DRIVEWAY - PAVED PARKING UNPAVED PARKING ABANDONDED ROAD - PAVED ROAD UNPAVED ROAD RAILROAD INACTIVE RAILROAD - PAVED SHOULDER - UNPAVED SHOULDER SIDEWALK <u>UTLITIES</u>

**TRANSPORTATION** 

ANTENNA UTILITY BOX CATCH BASIN HANDHOLE FIRE HYDRANT LIGHT POLE MANHOLE MISCELLANEOUS POLE PIPELINE ·O-UTILITY POLE

GUYWIRE

#### SURVEY NOTES:

UNDERGROUND ELECTRIC

RIGHT OF WAY

WATER VALVE

MANHOLE STORM

TELEPHONE PEDESTAL

IRON PIPE

WETLAND FLAG

UNDERGROUND FIBER OPTIC

- 1. A ROW, UTILITY & WETLAND SURVEY PREPARED IN THE FIELD BY CONTROL POINT ASSOCIATES, INC., AND OTHER REFERENCE MATERIAL AS LISTED HEREON.
- 2. ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), BASED ON GPS OBSERVATIONS TAKEN AT THE TIME OF THE SURVEY.
- 3. NORTH ORIENTATION SHOWN REFERS TO THE NAD83 STATE PLANE COORDINATE SYSTEM - NEW YORK EAST ZONE BASED ON GPS OBSERVATIONS TAKEN AT THE TIME OF THE FIELD SURVEY.
- 4. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS. ABOVE GROUND STRUCTURES THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE MAPS AS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY. AVAILABLE ASBUILT PLANS AND UTILITY MARKOUT DOES NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES. BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANIES. CONTROL POINT ASSOCIATES, INC. DOES NOT GUARANTEE THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED.

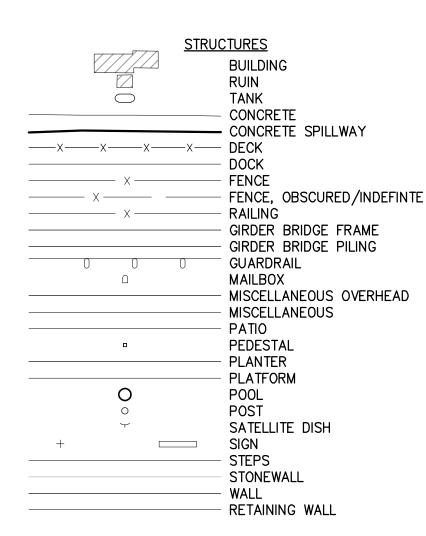
#### SUBSURFACE UTILITY ENGINEERING NOTES:

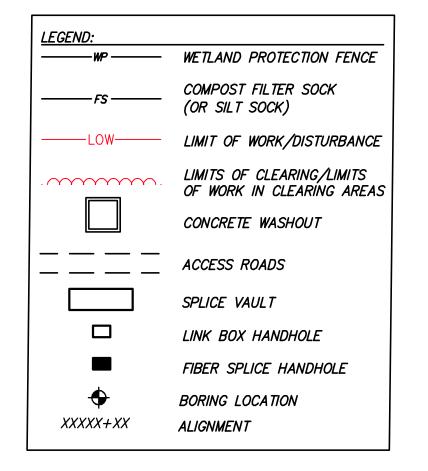
A QUALITY LEVEL SYSTEM IS UTILIZED TO IDENTIFY THE SOURCE OF THE UNDERGROUND UTILITY INFORMATION. THE METHOD OF DETERMINATION IS BASED ON CONTRACTUAL AGREEMENT WITH THE CLIENT AND IS DEPICTED ON THE SURVEY BY THE LINE TYPES SHOWN IN THE DRAWING LEGEND. FOR REFERENCE, THE QUALITY LEVELS ARE AS FOLLOWS:

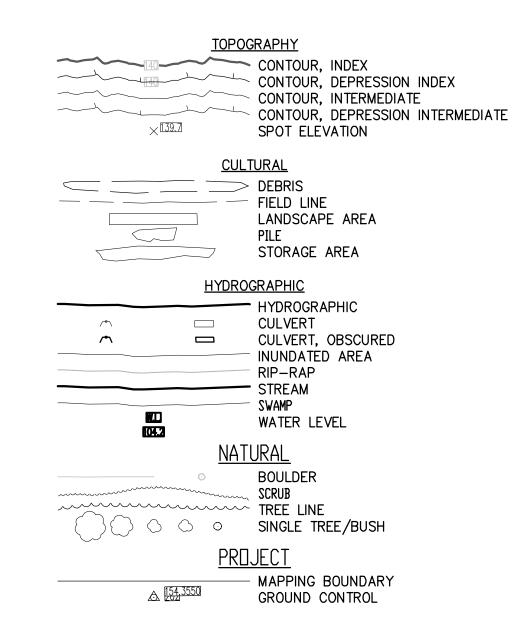
QUALITY LEVEL B - UTILITY LOCATION DATA IS COLLECTED THROUGH GEOPHYSICAL SENSING TECHNOLOGY TO SUPPLEMENT SURFACE FEATURES AND OR REFERENCE MAPPING. INCLUDES MARKOUT BY CONTROL POINT ASSOCIATES, INC.

#### WETLAND COMMUNITY TYPES LEGEND PEM - PALUSTRINE EMERGENT PSS - PALUSTRINE /\_/\_/\_SCRUB-SHRUB PFO - PALUSTRINE \_\_\_\_\_FORESTED PUB — PALUSTRINE UNCONSOLIDATED BOTTOM L1 - LACUSTRINE LIMNETIC L2 - LACUSTRINE LITTORAL NYSDEC FWW 100-FOOT ADJACENT AREA GIS — WETLAND JD BOUNDARY

WILLIAMS AERIAL & MAPPING, INC. MAPPING FEATURES LEGEND







	SHEET LIST TABLE
SHEET	SHEET TITLE
NUMBER	
G-000	COVER SHEET
G-000	KEYPLAN
G-002	SURVEY NOTES AND SHEET INDEX
G-003	GENERAL NOTES
G-011	EM&CP DATA TABLES
G-012	EM&CP DATA TABLES
G-013	EM&CP DATA TABLES
G-020	RESTORATION NOTES
SEGMENT	1: PLAN AND PROFILE SHEETS
C-101	STA. 10000+00 TO STA. 10015+00
C-102	STA. 10015+00 TO STA. 10030+00
C-103	STA. 10030+00 TO STA. 10045+00
C-104	STA. 10045+00 TO STA. 10060+00
C-105 C-106	STA. 10060+00 TO STA. 10075+00 STA. 10075+00 TO STA. 10090+00
C-106	STA. 10075+00 10 STA. 10090+00
C-108	STA. 10105+00 TO STA. 10120+00
C-109	STA. 10120+00 TO STA. 10135+00
C-110	STA. 10135+00 TO STA. 10150+00
C-111	STA. 10150+00 TO STA. 10160+00
C-112	STA. 10160+00 TO STA. 10175+00
C-113	STA. 10175+00 TO STA. 10190+00
C-114	STA. 10190+00 TO STA. 10205+00
C-115	STA. 10205+00 TO STA. 10220+00
C-116	STA. 10220+00 TO STA. 10235+00
C-117	STA. 10235+00 TO STA. 10250+00
C-118	STA. 10250+00 TO STA. 10265+00
C-119 C-120	STA. 10265+00 TO STA. 10280+00 STA. 10280+00 TO STA. 10295+00
C-120	STA. 10280+00 10 STA. 10295+00 STA. 10295+00 TO STA. 10310+00
C-121	STA. 10310+00 TO STA. 10325+00
C-123	STA. 10325+00 TO STA. 10340+00
C-124	STA. 10340+00 TO STA. 10355+00
C-125	STA. 10355+00 TO STA. 10370+00
C-126	STA. 10370+00 TO STA. 10385+00
C-127	STA. 10385+00 TO STA. 10390+00
SEGMENT	1: ACCESS AND CONSTRUCTION STAGING PLANS
C-201	RYDER ROAD STAGING AND LAYDOWN AREA (SOUTH)
C-202	RYDER ROAD STAGING AND LAYDOWN AREA (NORTH)
	1: HDD TRENCHLESS PLANS
C-301	PROPOSED PLAN AND PROFILE — HDD 1
	PROPOSED PLAN AND PROFILE - HDD 1
C-400	1: EROSION AND SEDIMENT CONTROL PLANS KEYPLAN E&S
C-401	STA. 10000+00 TO STA. 10030+00 EROSION AND SEDIMENT CONTROL PLAN
C-402	STA. 10030+00 TO STA. 10060+00 EROSION AND SEDIMENT CONTROL PLAN
C-403	STA. 10060+00 TO STA. 10090+00 EROSION AND SEDIMENT CONTROL PLAN
C-404	STA. 10090+00 TO STA. 10120+00 EROSION AND SEDIMENT CONTROL PLAN
C-405	STA. 10120+00 TO STA. 10150+00 EROSION AND SEDIMENT CONTROL PLAN
C-406	STA. 10150+00 TO STA. 10160+00 EROSION AND SEDIMENT CONTROL PLAN
C-407	STA. 10160+00 TO STA. 10190+00 EROSION AND SEDIMENT CONTROL PLAN
C-408	STA. 10190+00 TO STA. 10220+00 EROSION AND SEDIMENT CONTROL PLAN
C-409	STA. 10220+00 TO STA. 10250+00 EROSION AND SEDIMENT CONTROL PLAN
C-410	STA. 10250+00 TO STA. 10280+00 EROSION AND SEDIMENT CONTROL PLAN
C-411	STA. 10280+00 TO STA. 10295+00 EROSION AND SEDIMENT CONTROL PLAN
C-412	STA. 10310+00 TO STA. 10340+00 EROSION AND SEDIMENT CONTROL PLAN
C-413	STA. 10340+00 TO STA. 10370+00 EROSION AND SEDIMENT CONTROL PLAN
C-414	STA. 10370+00 TO STA. 10390+00 EROSION AND SEDIMENT CONTROL PLAN

C-501	WORK ZONE TRAFFIC CONTROL NOTES, LEGEND AND ABBREVIATIONS			
C-502	WORK ZONE TRAFFIC CONTROL			
C-503	WORK ZONE TRAFFIC CONTROL			
C-504	WORK ZONE TRAFFIC CONTROL			
C-505	WORK ZONE TRAFFIC CONTROL			
C-506	WORK ZONE TRAFFIC CONTROL			
C-507	WORK ZONE TRAFFIC CONTROL			
C-508	WORK ZONE TRAFFIC CONTROL			
C-509	WORK ZONE TRAFFIC CONTROL			
C-510	WORK ZONE TRAFFIC CONTROL LAKE ROAD DETOUR PLAN			
C-511	WORK ZONE TRAFFIC CONTROL			
C-512	WORK ZONE TRAFFIC CONTROL			
C-513	WORK ZONE TRAFFIC CONTROL			
SEGMEN1	1: CIVIL DETAILS: ESC DETAILS			
C-601	EROSION AND SEDIMENT CONTROL DETAILS			
C-602	602 EROSION AND SEDIMENT CONTROL DETAILS			
SEGMENT 1: CIVIL DETAILS: EM&CP DETAILS				
C-611	11 WETLAND CROSSING DETAILS			
SEGMENT 1: CIVIL DETAILS: CONSTRUCTION AND INSTALLATION DETAILS				
C-621 TRENCHING DETAILS				
SEGMENT 1: CIVIL DETAILS: RESTORATION DETAILS				
C-631	C-631 SURFACE RESTORATION DETAILS			
SEGMENT	1: STRUCTURAL DETAILS			
S-700	SPLICE VAULT PLAN AND ELEVATION			
S-701	SPLICE VAULT SECTION & DETAILS			
S-710	LINK BOX HANDHOLE PLAN, ELEVATIONS & SECTION			
S-720	SELF SUPPORTING STRUCTURE OVER UTILITIES			
S-730	TRANSITION VAULT PLAN AND ELEVATION			
S-731	TRANSITION VAULT SECTION & DETAILS			
S-770 COMMUNICATION HANDHOLE PLAN ELEVATION AND SECTION				
SEGMEN1	T 1: UTILITY DETAILS			







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A	04/15/2022	EM&CP REGULATORY SUBMISSION	JM	JR	CHAMPLAIN HUDSON POWER EX SEGMENT 1 - PUTNAM TO DRESI SURVEY NOTES AND SHEET INDE
NI.	DATE				SCALE
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DRAWN BY: JTM DESIGNED BY: JTM APPROVED BY: JPR REV. NO.

CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 1 - PUTNAM TO DRESDEN SURVEY NOTES AND SHEET INDEX

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

G-002

04/15/2022 X SH.NO. XXX OF XXX

AS NOTED DATE

- 3. THE GENERAL CONTRACTOR SHALL STRICTLY ADHERE TO THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) 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.
- 6. ALL EXPOSED AREAS SHALL BE SEEDED AND MULCHED AS SPECIFIED WITHIN 14 DAYS OF FINAL GRADING.
- 7. INACTIVE PORTIONS OF THE SITE ARE TO BE SEEDED AND MULCHED AS SPECIFIED WITHIN 14 DAYS.
- 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.
- 12. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER 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 CONCRETE WASHOUTS AS NECESSARY. CONCRETE WASHOUTS SHALL NOT BE LOCATED WITHIN WETLANDS

#### **GENERAL NOTES:**

- 1. THE PLANS SHOW SUBSURFACE STRUCTURES, ABOVE GROUND STRUCTURES AND/OR UTILITIES FROM FIELD LOCATION AND RECORD MAPPING, EXACT LOCATION OF WHICH MAY VARY FROM THE LOCATIONS INDICATED. IN PARTICULAR, THE CONTRACTOR IS WARNED THAT THE EXACT OR EVEN APPROXIMATE LOCATION OF SUCH PIPELINES, SUBSURFACE STRUCTURES AND/OR UTILITIES IN THE AREA MAY BE DIFFERENT FROM THAT SHOWN OR MAY NOT BE SHOWN, AND IT SHALL BE HIS RESPONSIBILITY TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK. 48 HOURS BEFORE YOU DIG, DRILL, OR BLAST, CALL U.F.P.O. 1—(800)—962—7962 TOLL FREE.
- 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.
- 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 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.
  - B. EXAMINE THE SITE AND INCLUDE IN HIS WORK THE EFFECT OF ALL EXISTING CONDITIONS ON THE WORK.
  - C. PROVIDE AND INSTALL ALL MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH RECOGNIZED GOOD STANDARD PRACTICE.

#### NYSDOT NOTES

- 1. MAINTAIN EXISTING GUIDE RAIL, MEDIAN BARRIER, AND BRIDGE RAIL. WHEN CONSTRUCTION OPERATIONS REQUIRE THE TEMPORARY REMOVAL OF EXISTING BRIDGE RAIL, GUIDE RAIL OR MEDIAN BARRIER; OR WHEN EXISTING RAIL WILL BE REMOVED AND REPLACED WITH NEW RAIL, THE CONTRACTOR SHALL SCHEDULE OPERATIONS TO MINIMIZE THE TIME PERIOD THAT RAIL IS NOT INSTALLED.
- 2. UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS, GUIDE RAIL OR MEDIAN BARRIER SHALL BE REPLACED OR THE LOCATION OTHERWISE PROTECTED WITHIN 14 CALENDAR DAYS. BRIDGE RAIL SYSTEMS SHALL BE MAINTAINED IN SERVICE AT ALL TIMES ON ANY STRUCTURE ON WHICH VEHICLE OR PEDESTRIAN TRAFFIC IS MAINTAINED, UNLESS A TEMPORARY BARRIER IS INSTALLED, OR OTHER MEANS ARE USED TO ENSURE THAT VEHICLES, BICYCLISTS AND PEDESTRIANS ARE NOT EXPOSED TO THE UNPROTECTED EDGE OF A BRIDGE.
- 3. DURING NON-WORK HOURS WHEN TRAFFIC IS BEING MAINTAINED ON THE FACILITY, ALL TEMPORARY ENDS (FREE ENDS) OF GUIDE RAIL, MEDIAN BARRIER AND BRIDGE RAIL SHALL BE TEMPORARILY TERMINATED AND MARKED WITH A CHANNELIZING DRUM OR OBJECT MARKER EQUIPPED WITH A TYPE A FLASHING WARNING LIGHT. CORRUGATED BEAM GUIDE RAIL AND MEDIAN BARRIER, AND HEAVY-POST, BLOCKED-OUT, CORRUGATED BEAM GUIDE RAIL AND MEDIAN BARRIER SHALL BE TEMPORARILY TERMINATED BY HAVING THE EXPOSED ENDS (FREE ENDS) DROPPED TO THE GROUND AND PINNED.
- 4. THE APPROACH ENDS OF BOX BEAM GUIDE RAIL, MEDIAN BARRIER AND BRIDGE RAIL SHALL BE TEMPORARILY TERMINATED WITH BOX BEAM GUIDE RAIL END ASSEMBLIES UTILIZING TWO SPLICE PLATES AND THE PROPER NUMBER OF BOLTS PER CONNECTION. NO POSTS FOR ANCHORAGES WILL BE REQUIRED. SPECIAL TEMPORARY SPLICE PLATES ARE REQUIRED TO ADAPT BOX BEAM GUIDE RAIL END ASSEMBLIES TO BOX BEAM MEDIAN BARRIERS.
- 5. DURING ANY OVERNIGHT PERIOD WHEN EXISTING GUIDE RAIL OR MEDIAN BARRIER IS TEMPORARILY REMOVED, THE CONTRACTOR SHALL INSTALL CHANNELIZING DEVICES IN THE LOCATION WHERE THE GUIDE RAIL OR MEDIAN BARRIER WAS REMOVED IN ACCORDANCE WITH \$619-3.02J.6. REMOVED EXISTING GUIDE RAIL OR MEDIAN BARRIER.
- 6. GUIDERAIL REPLACEMENT TYPE TO BE COORDINATED WITH NYSDOT.
- 7. THE PLANS DEPICT AREAS OF EXPANDED LIMIT OF WORK AT EXISTING CULVERTS THAT WILL BE EVALUATED WITH NYSDOT AND THE CERTIFICATE HOLDERS FOR POTENTIAL REPLACEMENT OR REPAIR. IF ANY REPAIRS OR REPLACEMENTS ARE DETERMINED, THE WORK WILL BE DONE IN ACCORDANCE WITH NYSDOT SPECIFICATIONS.

- 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 AREAMA REQUIREMENTS.
- 12. CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK AND SHALL SUBMIT A DEWATERING PLAN. CONTRACTOR SHALL MAINTAIN EXISTING SITE DRAINAGE PATTERNS THROUGHOUT CONSTRUCTION UNLESS OTHERWISE SHOWN ON THE PLANS.
- 13. MAINTAIN FLOW FOR ALL EXISTING UTILITIES.
- 14. ALL FRAMES/COVERS WITHIN PAVED AREAS SHALL HAVE THE TOPS SET FLUSH WITH THE EXISTING PAVEMENT GRADE. IN LANDSCAPED AREAS, ALL FRAMES SHALL BE 0.1' ABOVE GRADE.
- 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 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 DOCUMENT THE DAMAGE AND REPORT DAMAGE TO THE APPROPRIATE OWNER.
- 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 RESIDENTS AND COMMERCIAL PROSPERITIES, WILL NEED TO BE MAINTAINED DURING THE PROJECT. ALL EXCAVATIONS IN THE ENTRANCES/DRIVEWAYS WILL NEED TO BE BACKFILLED AT THE END OF EACH WORKDAY, OR STEEL PLATES SHALL BE INSTALLED TO ALLOW ACCESS DURING CONSTRUCTION. REFER TO THE EM&CP FOR EMERGENCY ACCESS MANAGEMENT PLAN.

## DISTURBANCE NOTE:

- 1. THE PROPOSED DISTURBANCE FOR THE TRENCH DETAIL WILL BE LIMITED TO THE WIDTH OF THE TRENCH SECTIONS DEPICTED ON C-621.
- 2. ARES OF THE LIMIT OF WORK ACROSS THE ALIGNMENT HAVE BEEN EXPANDED TO INCLUDE AREAS OFF THE ROADWAY WITHIN LAWN AREAS THAT ARE SUITABLE FOR POTENTIAL TEMPORARY STAGING AREAS DURING CONSTRUCTION. SHOULD THESE AREAS BE UTILIZED AND DISTURBED THE AREAS SHOULD BE RESTORED TO EXISTING CONDITION PER THE PROJECT RESTORATION NOTES AND DETAILS. EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN DEVELOPED TO INCORPORATE THESE POTENTIALLY DISTURBED AREAS.









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04/15/2022

**EM&CP REGULATORY SUBMISSION** 

DATE SUBMITTAL / REVISION DESCRIPTION

	CHAMPLAIN HUDSON POWER EXPRES
	SEGMENT 1 - PUTNAM TO DRESDEN
	GENERAL NOTES
	GLINLINGTES

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

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

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AS NOTED **DATE 04/15/2022** X **SH.NO.** XXX **OF** XXX

LAKE ROAD RIGHT OF WAY. ALL IMPACTS ASSOCIATED WITH THE

CONSTRUCTION OF THE TEMPORARY ACCESS ROAD WILL BE FULLY RESTORED IN ACCORDANCE WITH SECTION 13.4

CONSTRUCTION ACTIVITY WILL OCCUR WITHIN THE LAKE ROAD RIGHT OF WAY AND IS NOT ANTICIPATED TO IMPACT THESE

AGRICULTURAL LANDS.

PARCEL

16.-1-16.1

NORTH AND SOUTH OF LAKE ROAD AND RT 22 FROM 10149+00 (SHEET C-110) TO 10177+65 (SHEET C-113)

PARCELS

15.-1.7 15.-1.5

TABLE 1.5: SEGMENT 1	- RECREATIONAL AREAS
RECREATIONAL AREA	LOCATION
ADIRONDACK PARK	1 (PUTNAM TO DRESDEN)
SNOWMOBILE TRAILS	10036+00 (C-103), 10219+00 (C-115), 10309+00 (C-121), 10311+00 C-122), 10339+00 (C-123)
LAKES TO LOCKS PASSAGE SCENIC BYWAY (STATE HIGHWAY 22)	1 (10162+00 (C-101) to 10390+00 (C-127))

NOTE: SECTION 1.4.2 OF THE EM&CP SUMMARIZES THE MEASURE TO BE FOLLOWED WITHIN THE RECREATIONAL AREAS.

## SEGMENT 1 — RECREATIONAL AREAS

TABLE 4: SEGMENT 1 - CONSTRUCTION METHODS				
TOPIC	SECTION OF EM&CP			
HORIZONTAL DIRECTIONAL DRILLING	4.2			
INSTALLATION AND PERFORMANCE CONTROLS	4.2.1			
DRILLING FLUIDS MANAGEMENT	4.2.2			
ROAD CROSSING METHODS	4.2.3			
TRENCHING	4.3			
CABLE INSTALLATION REQUIREMENTS	4.3.1			
DEWATERING METHODS	4.3.2			
BEDDING AND BACKFILLING METHODS	4.3.3			
RIGHT OF WAYS AND EASEMENTS	4.6			
RIGHT OF WAY CLEARING	4.7 (SEE SECTION 7.0 FOR MORE DETAILS)			
ACCESS ROADS	4.9			
DRIVEWAY ACCESS DURING CONSTRUCTION	4.9.1			
ACCESS THROUGH WETLANDS	4.9.2			
ACCESS THROUGH AGRICULTURAL LANDS	4.9.3			
DRAIN LINES AND UNDER DRAINS WITHIN AGRICULTURAL LANDS	4.9.4			
SOIL MANAGEMENT PLAN	4.10			
TRANSPORTATION AND UTILITY CROSSINGS	4.11 (SEE SECTION 11.0 AND 12.0 FOR MORE DETAILS)			
CULVERT REPLACEMENT	4.12			

NOTE: TABLE 4 ABOVE SUMMARIZES THE CONSTRUCTION METHOD AND ASSOCIATED SUBSECTION THAT SUMMARIZES THE MEASURES AND STANDARDS THAT WILL BE FOLLOWED WITHIN THE SEGMENT 1

#### <u>SEGMENT 1 — CONSTRUCTION METHODS</u>







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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		CHAMPLAIN HUDSON POWER EXPRESS
		SEGMENT 1 - PUTNAM TO DRESDEN
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DB APP DRAWN BY: XXX DESIGNED BY: XXX APPROVED BY: XXX REV. NO.

EM&CP REGULATORY SUBMISSION

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TABLE 4.3: SEGMENT 1 -ACCESS ROADS LOCATION (APPROXIMATE - SEE | IMPACTS TO ENVIRONMENTALLY IMPACTS TO AGRICULTURAL LAND ACCESS ROAD DESCRIPTION TYPE OF ACCESS ROAD SENSITIVE AREAS DRAWINGS FOR DETAILS) GRAVEL ACCESS ROAD FOR TEMPORARY IMPACT TO AG LAND IN **TEMPORARY** 10142+00 to 10148+00 (C-110) NONE LAKE ROAD HDD 1 ENTRY WASHINGTON COUNTY AG DISTRICT 2 TEMPORARY CONSTRUCTION ACTIVITY GRAVEL ACCESS ROAD FOR **TEMPORARY** 10151+50 to 10156+00 (C-111) IMPACT TO WETLAND. SEE TABLE 8.2 NONE LAKE ROAD HDD 1 EXIT FOR FULL DESCRIPTION

NOTE: TABLE 4.3 SUMMARIZES THE ACCESS ROADS IN THIS SEGMENT AND THEIR ASSOCIATED IMPACTS ON ENVIRONMENTALLY SENSITIVE AREAS AND AGRICULTURAL LANDS IF APPLICABLE. SECTION 4.8 OF THE EM&CP SUMMARIZES THE PROCEDURES THAT WILL BE FOLLOWED FOR THE CONSTRUCTION OF ALL ACCESS ROADS. ALL ACCESS ROADS WILL BE TEMPORARY AND RESTORED ACCORDING TO SECTION 13.2.4 AND 13.4 OF THE EM&CP AS APPLICABLE.

#### SEGMENT 1 — ACCESS ROADS

NOTES:

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

1. THE EROSION AND SEDIMENT CONTROL PLANS CAN BE FOUND ON SHEETS C-401 TO SHEET C-418 FOR THIS SEGMENT.

## SEGMENT 1 - EM&CP EROSION AND SEDIMENT CONTROL NOTES

NOTE:

1. THE NOISE RECEPTORS THAT MAY OCCUR NEAR THE SEGMENT 1 AT VARIOUS POINTS INCLUDE RESIDENCES AND BUSINESSES. SECTION 9.2 OF THE EM&CP DESCRIBES THE NOISE CONTROL MEASURES THAT WILL BE EMPLOYED THROUGHOUT THIS SEGMENT.

## SEGMENT 1 - EM&CP NOISE SENSITIVE AREAS NOTE

NOTE

NOTE: 1. GIS FEMA DATA NOT AVAILABLE FOR WASHINGTON COUNTY. FEMA FIRM MAPS ARE PROVIDED IN APPENDIX D OF THE STORMWATER POLLUTION PREVENTION PLAN.

#### <u>SEGMENT 1 — FEMA</u>

E

NOTE: TABLE 7.1 SUMMARIZES THE LOCATION AND CLEARING TYPE THAT WILL OCCUR WITHIN THE SEGMENT 1. SECTION 7.0 OF THE EM&CP SUMMARIZES THE CLEARING METHODS AND PROCEDURES FOR VEGETATION AND TREES.

#### <u>SEGMENT 1 - TREE AND CLEARING LOCATIONS</u>

TABLE 7.2 SEGMENT 1 — 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 TEN (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.		

NOTE: TABLE 7.2 OF THE EM&CP SUMMARIZES THE LOCATION AND CLEARING TYPE THAT WILL OCCUR WITHIN THIS SEGMENT. SECTION 7.0 and 7.1 OF THE EM&CP SUMMARIZES THE CLEARING METHODS AND PROCEDURES FOR VEGETATION AND TREE CLEARING AND REMOVAL INCLUDING STANDARDS AND SPECIFICATIONS FOR CLEARING IN ENVIRONMENTALLY SENSITIVE AREAS.

- 1. WETLANDS: SECTION 7.1.5 AND SECTION 8.1 OF THE EM&CP.
- 2. STREAM CROSSING: SECTION 7.1.5 AND SECTION 8.1 OF THE EM&CP. 3. THREATENED AND ENDANGERED SPECIES/SENSITIVE HABITATS: SECTION 8.2 OF THE EM&CP.
- 4. ADIRONDACK PARK: SECTION 7.1.4 OF THE EM&CP. 5. AGRICULTURAL LANDS: SECTION 7.1.6 OF THE EM&CP.

<u>SEGMENT 1 — TREE AND VEGETATION CLEARING METHODS</u>

TABI	TABLE 7.2 SEGMENT 1 — TREE AND VEGETATION DISPOSAL METHODS				
METHOD TYPE	METHOD TITLE	METHOD DESCRIPTION			
TYPE A	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 RIGHT-OF-WAY TO AN APPROVED DISPOSAL SITE			
TYPE B	LOG PILES	LGS NOT NEEDED FOR CONSTRUCTION WILL BE REMOVED FROM THE RIGHT-OF-WAY TO AN APPROVED DISPOSAL AREA.			
TYPE C	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 PROTEST 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 WITIN THE RIGHT-OF-WAY OR TRANSPORTED OFF RIGHT-OF-WAY TO AN APPROVED DISPOSAL SITE. 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.			
TYPE E	VEGETATION CHIPPING	VEGETATION MAY BE CHIPPED TO REDUCE DEBRIS VOLUME. SEE TABLE 7.3 ABOVE FOR THE HANDLING OF CHIPS.			
TYPE F	VEGETATION HAULING	VEGETATION AND STUMPS MAY BE HAULED TO A NYSDEC APPROVED LANDFILL OR OTHER SUITABLE OFF—SITE LOCATION WITH THE APPROVAL OF THE LANDOWNER AND ALL APPLICABLE PERMITTING AGENCIES.			
TYPE G	VEGETATION BURIAL	STUMPS MAY BE BURIED ON THE RIGHT-OF-WAY 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 RE-ESTABLISHED 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 OCCURS WILL BE NOTED ON AS-BUILT DRAWINGS, AND MONITORED FOR SETTLING DURING ROW CONDITION SURVEYS AND MAINTENANCE ACTIVITIES.			

NOTE: SECTION 7.3 OF THE EM&CP SUMMARIZES THE TREE AND VEGETATION DISPOSAL PROCEDURES FOR THIS SEGMENT. NO BURNING OF ANY VEGETATIVE OR TREE DEBRIS IS PERMITTED WITHIN THE WORK AREAS OF THE SEGMENT 1 AND 2. ALL APPLICABLE NYSDEC REGULATIONS REGARDING INVASIVE SPECIES WILL BE FOLLOWED WHEN DISPOSING OF VEGETATION.

## <u>SEGMENT 1 — TREE AND VEGETATION CLEARING METHODS</u>

	Table 8.2: SEGMENT 1 — SUMMARY OF WETLAND IMPACT						
WETLAND ID	JURISDICTION	APPROXIMATE STATION & SHEET NUMBER	ECOLOGICAL COMMUNITY TYPE	CONDUIT (CABLE) RIGHT OF WAY (SQUARE FEET)	CONSTRUCTION CORRIDOR IMPACTS* (SQUARE FEET)		
WETLAND C-Q USACE 10152+50 TO 10156+00 (SEGMENT 1 C-406)		PEM	347	1,561			
	TOTAL			347 SF (0.008 AC)	1,561 SF (0.04 AC)		

- 1. SECTION 8.1 OF THE EM&CP AND THE WETLAND DELINEATION REPORT IN APPENDIX M OF THE EM&CP DESCRIBE THE IMPACTS TO WETLANDS WITHIN THIS SEGMENT AS WELL AS THE AVOIDANCE AND MINIMIZATION MEASURES. TABLE 8.2 ABOVE SUMMARIZES THE PERMANENT ROW IMPACTS (0.008 ACRES) AND TEMPORARY CONSTRUCTION IMPACTS (0.04 ACRES) IN SEGMENT 1.
- 2. SECTION 8.1 OF THE EM&CP AND THE WATERBODY INVENTORY IN APPENDIX M OF THE EM&CP DESCRIBE THE IMPACTS TO STREAMS AND WATERBODIES WITHIN THIS SEGMENT AS WELL AS THE AVOIDANCE AND MINIMIZATION MEASURES. THERE ARE NO IMPACTS TO STREAMS OR WATERBODIES WITHIN SEGMENT 1.

<u>SEGMENT 1 - IMPACTS TO WETLANDS AND WATERBODIES</u>

	TABLE 8.3: SEGMENT	1 - FEDERALLY LISTED SP	ECIES TABLE	
SPECIES NAME (SCIENTIFIC NAME)	LOCATION	AVOIDANCE	MINIMIZATION MEASURES	IMPACTS
INDIANA BAT (Myotis sodalis)	THROUGHOUT SEGMENT 1 WITHIN FORESTED AREAS	NO TREE CUTTING ANTICIPATED FOR SEGMENT 1 EXCEPT FOR AS NOTED IN MINIMIZATION COLUMN	TREE REMOVAL WILL BE LIMITED TO OCTOBER 31 THROUGH MARCH 31.	NONE
NORTHERN LONG—EARED BAT (Myotis septentrionalis)	THROUGHOUT SEGMENT 1 WITHIN FORESTED AREAS	NO TREE CUTTING ANTICIPATED FOR SEGMENT 1 EXCEPT FOR AS NOTED IN MINIMIZATION COLUMN	TREE REMOVAL WILL BE LIMITED TO OCTOBER 31 THROUGH MARCH 31.	NONE

	TABLE 8.4: SEGMENT 1 — STATE LISTED SPECIES TABLE					
SPECIES NAME (SCIENTIFIC NAME)	LOCATION	AVOIDANCE	MINIMIZATION MEASURES	IMPACTS		
TIMBER RATTLESNAKE (Crotalus horridus)	SEGMENT 1— DOCUMENTED WITHIN 1/3 MILE OF THE PROJECT	SITE INSPECTIONS FOR PRESENCE	CONDUCT WORK DURING HIBERNATION OR EXCLUSIONARY FENCING	NONE		
NORTHERN LONG—EARED BAT (Myotis septentrionalis)	THROUGHOUT SEGMENT 1 WITHIN FORESTED AREAS	NO TREE CUTTING ANTICIPATED FOR SEGMENT 1 EXCEPT FOR AS NOTED IN MINIMIZATION COLUMN	TREE REMOVAL WILL BE LIMITED TO OCTOBER 31 THROUGH MARCH 31.	NONE		
BALD EAGLE (Haliaeetus leucocephalus)	SEGMENT 1- DOCUMENTED  1/2 MILE FROM THE PROJECT IN PUTNAM STATION	NO IMPACT	100% AVOIDABLE	NONE		
LAKE WATER CRESS (Rorippa aquatica) — THREATENED	SEGMENT 1	NO AQUATIC IMPACTS. ALL WORK WITHIN ROADS AND ROAD SHOULDERS.	100% AVOIDABLE	NONE		

NOTE: TABLE 8.3 AND TABLE 8.4 ABOVE SUMMARIZE THE LOCATIONS, AVOIDANCE, AND MINIMIZATION MEASURES, AND IMPACTS FOR THE FEDERALLY LISTED SPECIES AND STATE-LISTED SPECIES THAT MAY OCCUR ON OR WITHIN THE VICINITY OF THE SEGMENT 1. SECTION 8.2 OF THE EM&CP SUMMARIZES THE HABITAT DESCRIPTIONS AND MITIGATION AND PROTECTION MEASURES FOR THREATENED AND ENDANGERED SPECIES; RARE, THREATENED, AND ENDANGERED PLANTS; AND SIGNIFICANT NATURAL

#### <u>SEGMENT 1 — FEDERALLY LISTED AND STATE LISTED SPECIES</u>

NOTE: THERE WERE NO CONFIRMED AQUATIC INVASIVE SPECIES LOCATED WITHIN SEGMENT 1. SECTION 8.3 OF THE EM&CP DESCRIBES THE INVASIVE SPECIES MANAGEMENT PLAN FOR THE PROJECT. SECTION 8.3.2 AND 8.3.3 OF THE EM&CP DESCRIBE THE MEASURES TO PREVENT OR CONTROL THE TRANSPORT OF INVASIVE PLANT AND INSECT SPECIES AS WELL AS THE NECESSARY REPORTING REQUIREMENTS TO NYSDEC REGIONAL FORESTER IF THESE SPECIES ARE ENCOUNTERED.

#### SEGMENT 1 - INVASIVE SPECIES

NOTE: THERE WERE NO CULTURAL RESOURCES IDENTIFIED WITHIN SEGMENT 1. SECTION 10.0 OF THE EM&CP AND THE CULTURAL RESOURCE MANAGEMENT PLAN IN APPENDIX O OF THE EM&CP DESCRIBE THE PROCEDURES THAT SHOULD BE FOLLOWED DURING THE UNANTICIPATED DISCOVERY OF ARCHEOLOGICAL RESOURCES DURING CONSTRUCTIONS.

## <u>SEGMENT 1 — CULTURAL RESOURCES</u>

**Champlain Hudson Power Express** 





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## CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 1 - PUTNAM TO DRESDEN **EM&CP DATA TABLES**

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

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EM&CP REGULATORY SUBMISSION AS NOTED DATE DB APP DRAWN BY: XXX DESIGNED BY: XXX APPROVED BY: XXX REV. NO. DATE SUBMITTAL / REVISION DESCRIPTION X SH.NO. XXX OF XXX

TABLE 11.3 NYSDOT COORDINATION SUMMARY				
COORDINATING PARTIES	DESCRIPTION	CURRENT STATUS		
CERTIFICATE HOLDERS, DPS STAFF, NYSDOT	ALL PLANS AND WORK TO BE PERFORMED IN STATE-OWNED ROW UNDER NYSDOT'S SUPERVISION AND MANAGEMENT.	ONGOING THROUGHOUT		
CERTIFICATE HOLDERS, DPS STAFF, NYSDOT STAFF	CERTIFICATE HOLDERS SHALL PROVIDE DPS STAFF AND NYSDOT STAFF WITH A PRELIMINARY DESIGN MARKED TO AVOID CONFLICT WITH POTENTIAL TRANSPORTATION PROJECTS THAT NYSDOT STAFF MAY SEEK TO UNDERTAKE IN THE FUTURE AND SHALL OFFER TO CONSULT WITH NYSDOT STAFF CONCERNING ANY COMMENTS IT MAY OFFER AND SHALL USE REASONABLE EFFORTS TO ACCOMMODATE ANY NYSDOT CONCERNS (CC#68).	PRIOR TO FILING ANY SEGMENT EM&CP INVOLVING ANY SUCH STATE—OWNED ROW.		
CERTIFICATE HOLDERS, NYSDOT, AGENCY CROSSED BY PROJECT	CERTIFICATE HOLDERS WILL CONSULT WITH EACH TRANSPORTATION DEPARTMENT OR AGENCY HAVING JURISDICTION OVER ANY ROADS, RELATED STRUCTURES, AND COMPONENTS THAT WILL BE CROSSED BY THE FACILITY OR USED FOR DIRECT ACCESS TO THE CONSTRUCTION ZONE. IF THE ACCESS ROAD TAKES DIRECT ACCESS FROM, OR LIES WITHIN THE LIMITS OF, SUCH ROADS, THE CERTIFICATE HOLDERS WILL NOTIFY EACH RELEVANT TRANSPORTATION DEPARTMENT OR AGENCY OF THE APPROXIMATE DATE WHEN WORK WILL BEGIN (CC#69A).	DURING PREPARATION OF THE EM&CP AND WHEN WORK BEGINS.		
CERTIFICATE HOLDERS, NYSDOT, DPS STAFF, NYSDEC	THE CERTIFICATE HOLDERS WILL PROVIDE STATUS REPORTS SUMMARIZING CONSTRUCTION AND INDICATING CONSTRUCTION ACTIVITIES AND LOCATIONS SCHEDULED FOR THE NEXT MONTH (CC#47).	BI-WEEKLY.		

## SEGMENT 1 - NYSDOT COORDINATION SUMMARY

		TABLE 12.1 SEGMENT 1	- CO-LOCATED INFRASTRUCTURE CON	SULTATION SUMMARY	
OWNER	UTILITY	INITIAL CONTACT DATE	CI-OWNER RESPONSE	OUTREACH MAILING #2	OUTREACH MAILING #3
AT&T	FIBER/TELEPHONE	September 9, 2021	CROSSING CONDITIONS RECEIVED	1/27/2022 EMAIL SENT WITH .KMZ DIGITAL MAP OF ROUTE AND REQUEST FOR RECORDS, DATA & INFORMATION OF CL ALONG PROJECT ROUTE.	4/13/2022 PLAN & PROFILE DRAWINGS PROVIDED FOR REVIEW. RESPONSES REQUESTED BY 4/29/2022.
LEVEL 3 COMMUNICATIONS (NOW LUMEN TECHNOLOGIES)	FIBER	September 10, 2021	SUPPORT SERVICES AGREEMENT IN PLACE. CROSSING CONDITIONS RECEIVED. REIMBURSEMENT FUND ESTABLISHED.	1/27/2022 EMAIL SENT WITH .KMZ DIGITAL MAP OF ROUTE AND REQUEST FOR RECORDS, DATA & INFORMATION OF CL ALONG PROJECT ROUTE.	4/13/2022 PLAN & PROFILE DRAWINGS PROVIDED FOR REVIEW. RESPONSES REQUESTED BY 4/29/2022.
NATIONAL GRID/EAST/ELECTRIC	ELECTRIC	September 10, 2021	CROSSING CONDITIONS RECEIVED.	1/27/2022 EMAIL SENT WITH .KMZ DIGITAL MAP OF ROUTE AND REQUEST FOR RECORDS, DATA & INFORMATION OF CI ALONG PROJECT ROUTE. RECEIVED LOCATIONS OF OVERHEAD ELECTRIC LINES.	4/14/2022 PLAN & PROFILE DRAWINGS PROVIDED FOR REVIEW. RESPONSES REQUESTED BY 4/29/2022.
TIME WARNER CABLE (CHARTER COMMUNICATIONS/SPE CTRUM)	FIBER/CATV	September 23, 2021	NO ACTION REQUIRED UNTIL PLANS ARE AVAILABLE FOR REVIEW.	1/27/2022 EMAIL SENT WITH .KMZ DIGITAL MAP OF ROUTE AND REQUEST FOR RECORDS, DATA & INFORMATION OF CL ALONG PROJECT ROUTE.	4/14/2022 PLAN & PROFILE DRAWINGS PROVIDED FOR REVIEW. RESPONSES REQUESTED BY 4/29/2022.
VERIZON OR VERIZON/EAST	TELECOM; FIBER/TELEPHONE	September 10, 2021	NO ACTION REQUIRED UNTIL PLANS ARE AVAILABLE FOR REVIEW.	1/27/2022 EMAIL SENT WITH .KMZ DIGITAL MAP OF ROUTE AND REQUEST FOR RECORDS, DATA & INFORMATION OF CL ALONG PROJECT ROUTE.	4/14/2022 PLAN & PROFILE DRAWINGS PROVIDED FOR REVIEW. RESPONSES REQUESTED BY 4/29/2022.
NYSDOT ALBANY REGION 1	TRAFFIC SIGNALS HIGHWAY	ONGOING FOR A NUMBER OF YEARS. SEE ALSO TABLE 11.3			1/27/2022 PLAN & PROFILE DRAWINGS PROVIDED FOR REVIEW.
TOWN OF DRESDEN	STORM SEWER/SANITARY SEWER	September 7, 2021	DRAFT PLAN & PROFILE SENT FOR REVIEW.		1/27/2022 PLAN & PROFILE DRAWINGS PROVIDED FOR REVIEW.
TOWN OF WHITEHALL	TRAFFIC SIGNALS/STORM SEWER/CULVERTS/S ANITARY SEWER/WATER	September 7, 2021	DRAFT PLAN & PROFILE SENT FOR REVIEW.		1/27/2022 PLAN & PROFILES DRAWINGS SENT FOR REVIEW.
VILLAGE OF WHITEHALL	TRAFFIC SIGNALS/STORM SEWER/CULVERTS/S ANITARY SEWER/WATER	September 8, 2021	DRAFT PLAN & PROFILE SENT FOR REVIEW.		1/27/2022 PLAN & PROFILE DRAWINGS SENT FOR REVIEW.

## <u>SEGMENT 1 - CO-LOCATED INFRASTRUCTURE CONSULTATION SUMMARY</u>







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## CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 1 - PUTNAM TO DRESDEN EM&CP DATA TABLES

DB | APP | DRAWN BY: XXX | DESIGNED BY: XXX | APPROVED BY: XXX | REV. NO.

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

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CROSSING ID	UTILITY TYPE	UDERGROUND OR OVERHEAD	CROSSING TYPE	APROXIMATE STATION (DETAILS ON DRAWINGS)
N/A	ELECTRIC (SECTION 12.3.2)	OVERHEAD	OPEN CUT/TRENCH	10005+00, 10006+25, 10008+00, 10014+75(C-101)
N/A	STORM (SECTION 12.3.3)	UDERGROUND	OPEN CUT/TRENCH	10015+00 (C-101)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10022+75, 10027+00 (C-102)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10019+25, 10024+50, 10027+00, 10029+75 (C-102)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10035+00, 10041+00, 10044+75, 10045+25 (C-103)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10036+00, 10039+25, 10041+75, 1044+25 (C-103)
N/A	ELECTRIC	UDERGROUND	OPEN CUT/TRENCH	10046+25 (C-104)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10050+50, 10054+75, 10058+25 (C-104)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10062+50, 10067+75, 10074+00 (C-105)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10064+75 (C-105)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10078+25, 10080+75 (C-106)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10076+00, 10077+25, 10080+50, 10089+75 (C-106)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10093+25, 10105+00 (C-107)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10097+00, 10102+25, 10104+75 (C-107)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10106+75, 10107+75, 10109+25, 10111+75, 10112+25, 10117+25 to 10117+50 C-108)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10112+75, 10116+75 (C-108)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10121+00, 10122+00 (C-109)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10122+75, 10128+50 (C-109)
N/A	ELECTRIC	UDERGROUND	OPEN CUT/TRENCH	10141+75 (C-110)
HDD 1	ELECTRIC	UDERGROUND	HDD	10147+75 (C-110)
HDD 1	STORM	UDERGROUND	HDD	10178+75, 10149+00 (C-110)
HDD 1	ELECTRIC	UDERGROUND	HDD	10152+00 (C-111)
HDD 1	ELECTRIC	UDERGROUND	OPEN CUT/TRENCH	10155+50 (C-111)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10169+50 (C-112)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10175+25 (C-112)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10179+25 (C-113)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10177+00, 10183+50, 10189+50 (C-113)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10203+00 (C-114)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10197+75 to 10198+00 (C-114)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10205+25, 10205+75, 10208+25 (C-115)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10210+25, 10219+75 (C-115)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10229+75 (C-116)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10225+75 (C-116)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10252+00 (C-118)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10265+25 (C-119)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10280+75 (C-120)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10300+25, 10307+50 (C-121)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10311+75, 10317+50, 10322+50 (C-122)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10328+25 (C-123)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10346+25 (C-124)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10361+00 (C-125)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10374+00, 10378+00 (C-126)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10372+25, 10378+00, 10383+25 (C-126)

TABLE 12.2: SEGMENT 1 - UTILITY CROSSINGS

NOTE: SECTION 12.3 OF THE EM&CP DESCRIBES THE UTILITY CROSSINGS THAT WILL OCCUR WITHIN SEGMENT 1 AS WELL AS THE MITIGATION MEASURES THAT WILL BE FOLLOWED FOR EACH TYPE OF UTILITY CROSSINGS. THERE ARE NO RAILROAD CROSSINGS IN SEGMENT 1.

## SEGMENT 1 - TRANSPORTATION AND UTILITY CROSSINGS

TABLE 13: SEGMENT 1 - RES	TABLE 13: SEGMENT 1 — RESTORATION METHODS			
LAND USE	SECTION OF EMCP			
LANDSCAPING	NOT APPLICABLE TO SEGMENT 2			
STREAMS AND WATERBODIES	SECTION 13.2.3			
CONSTRUCTION MATERIALS AND EQUIPMENT STAGING LOCATIONS AND TEMPORARY ACCESS ROADS	SECTION 13.2.4			
PAVEMENT	SECTION 13.2.5			
RECREATIONAL AREAS	SECTION 13.2.6			
ACCESS ROADS AND LAYDOWN AREAS WITHIN AGRICULTURAL LANDS	SECTION 13.4			
DRAINAGE FEATURES	13.4.2			
GENERAL AGRICULTURAL LANDS	13.4			

1. SECTION 13.0 OF THE EM&CP DESCRIBES THE CLEANUP STANDARDS AND PRACTICES THAT WILL BE FOLLOWED THROUGHOUT SEGMENT 1. TABLE 13 SUMMARIZES THE APPROPRIATE SUBSECTION WITHIN SECTION 13 THAT INCLUDES THE RESTORATION PROCEDURES FOR EACH TYPE OF LAND USE.

<u>SEGMENT 1 - RESTORATION METHODS</u>

#### CLEANUP STANDARDS AND PRACTICES

FROM THE BMPS', CLEAN-UP, RESTORATION, AND REVEGETATION PROCEDURES WILL BE ONGOING DURING CONSTRUCTION AS EACH PACKAGE 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 ROWS 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 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 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 PACKAGE 1B 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 MANAGEMENT PLAN IN APPENDIX L. HDD ENTRY AND EXIT PITS WILL BE BACKFILLED AND THE DISTURBED GROUND SURFACE WILL BE SIMILARLY GRADED. TRENCHES WILL BE BACKFILLED IN ACCORDANCE WITH THE MEASURES OUTLINED IN SECTION 4.2.3 OF THE EM&CP.

THE CERTIFICATE HOLDER WILL BE RESPONSIBLE FOR WILL CHECKING ALL CULVERTS AND ASSURE THAT THEY ARE NOT CRUSHED OR BLOCKED DURING CONSTRUCTION AND RESTORATION OF THE PACKAGE 1A/1B 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 NYS RT 22

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 OF IN AN ACCEPTABLE MANNER AT A STATE-APPROVED DISPOSAL FACILITY APPROVED BY DPS STAFF AND THE CERTIFICATE HOLDERS.

#### SEEDING AND PLANTING

NOTES: SEEDING OPERATIONS ACROSS THE 35-FOOT-WIDE CONSTRUCTION AND FACILITY ROWS 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 UNTIL A UNIFORM MOISTURE DEPTH OF APPROXIMATELY ONE (1) INCH HAS BEEN OBTAINED, 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 TO BUFFER AREAS BUT NOT FOR 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. THE LOCAL SOIL AND WATER CONSERVATION DISTRICT AND THE LANDOWNER/OPERATOR WILL BE CONSULTED REGARDING APPROPRIATE SEED MIXTURES AND APPLICATION RATES. ALL SEED MIXES WILL BE FREE OF INVASIVE SPECIES. ALL SEED BAG TAGS WILL BE PROVIDED TO THE ENVIRONMENTAL INSPECTOR EITHER ORIGINAL TAGS OR SCANNED COPIES. SEEDED AREAS WILL BE MONITORED FOLLOWING RESTORATION UNTIL A MINIMUM VEGETATIVE COVER OF EIGHTY (80) PERCENT IS ACHIEVED. 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 EXCAVATION FOR PACKAGE 1A AND 1B WILL BE FOR THE TRENCH-LINE FOR THE CONDUIT/CABLE. HOWEVER, SOME EXCAVATION WILL BE PERFORMED TO CONSTRUCTION TEMPORARY ACCESS ROADS AS DESCRIBE IN SECTION 4.8 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.

ALL TREES OVER TWO (2) INCHES IN DIAMETER AT BREAST HEIGHT OR SHRUBS OVER FOUR (4) FEET IN HEIGHT DAMAGED OR DESTROYED BY ACTIVITIES DURING CONSTRUCTION, OPERATION, OR MAINTENANCE, ASSOCIATED URBAN. RESIDENTIAL OR ADIRONDACK PARK LANDSCAPED AREAS, WILL BE REPLACED WITHIN THE FOLLOWING YEAR BY THE CERTIFICATE HOLDER WITH THE EQUIVALENT TYPE OF TREES OR SHRUBS EXCEPT IF:

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

THESE AREAS WILL BE RESTORED 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 PACKAGE'S STAGING AREAS NEEDED...

#### RESTORATION OF WETLANDS

THESE AREAS WILL BE RESTORED 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 HOLDERS. 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 FACILITIES OR TO THE NEXT SEGMENT'S STAGING AREA AS NEEDED.

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. FOR UPLANDS AND WETLAND BUFFER ZONES LOCATED WITHIN THE ADIRONDACK PARK SHOULD BE ADIRONDACK

#### RESTORATION OF COUNTY RT 3 AND LAKE ROAD

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 ROAD WILL BE MILLED AND OVERLAYED WITH A TOP COURSE OF ASPHALT. 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.

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

THE CONSTRUCTION MATERIALS EQUIPMENT STAGING LOCATIONS AND ACCESS ROADS FOR THIS PACKAGE ARE SHOWN IN THE PLAN AND PROFILE DRAWINGS AND EROSION AND SEDIMENT CONTROL PLAN. THESE AREAS WILL BE RESTORED AS CLOSE AS PRACTICABLE TO PRE-CONSTRUCTION CONDITIONS AND CONTOURS, EXCEPT WHERE THE UNDERLYING LANDOWNER REQUESTS THE ABILITY TO RETAIN ACCESS ROADS OR OTHER STAGING LOCATIONS AS PROPERTY IMPROVEMENTS.

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 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.

#### PLANT INSPECTION, GUARANTEE AND MAINTENANCE

VEGETATION RESTORATION ALSO INCLUDES THE MAINTENANCE OF PLANTINGS FOR SPECIFIED TIME PERIODS AND THE REPLACEMENT OF UNSUCCESSFUL PLANTINGS. ALL VEGETATION REPLACED WILL HAVE A MINIMUM TWO (2) YEAR SURVIVAL GUARANTEE. TEMPORARY EROSION CONTROLS WILL BE REMOVED ONCE REVEGETATION IS ESTABLISHED. REVEGETATION WILL BE MONITORED UNTIL THERE IS A MINIMUM OF EIGHTY (80) PERCENT REGROWTH. 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.

THE ENVIRONMENTAL INSPECTOR WILL INSPECT ALL PLANTS IN CONTAINERS PRIOR TO PLANTING. PLANTINGS WILL BE PERFORMED BY A QUALIFIED LANDSCAPE OR NURSERY CONTRACTOR. THE ENVIRONMENTAL INSPECTOR WILL INSPECT ALL PLANTS PRIOR TO PLANTING AND 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.

RESTORATION OR SEEDED AREAS WILL BE CONSIDERED TO HAVE MET FINAL STABILIZATION WHEN ALL SOIL DISTURBING ACTIVITIES HAVE CEASED AND A UNIFORM, PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 80 PERCENT.

STORMWATER POLLUTION PREVENTION PLAN (SWPPP) INSPECTIONS WILL BE PERFORMED BY THE ENVIRONMENTAL INSPECTOR ON A WEEKLY BASIS UNTIL ALL DISTURBED AREAS HAVE ACHIEVED THE 80% REVEGETATION REQUIRED FOR FINAL RESTORATION. FOLLOWING FINAL RESTORATION. EROSION AND SEDIMENT CONTROL MEASURES WILL BE REMOVED FROM THE SITE AND DISPOSED OF APPROPRIATELY.

## RESTORATION WITHIN NYSDOT ROW

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

#### ROADWAY RESTORATION

## (STRIPING, SIGNAGE, AUDIBLE ROADWAY DELINEATORS)

STRIPING IMPACTED OR REMOVED FROM CONSTRUCTION WITHIN THE LIMITS OF WORK. INCLUDING AREAS OF MILL AND OVERLAYS TO BE INSTALLED PER EXISTING STRIPING PATTERNS, CONTRACTOR SHALL INVENTORY ALL STRIPING PRIOR TO WORK, WORK 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 SHOULDER

THESE AREAS WILL BE RESTORED AS CLOSE AS PRACTICABLE TO PRE-CONSTRUCTION CONDITIONS AND CONTOURS. TRENCHES WILL BE BACKFILLED THE APPROPRIATE DETAIL, FULL WIDTH OF THE TRENCH WILL BE RESTORED TO MATCH THE EXISTING PAVEMENT SHOULDER SECTION, THE FULL WIDTH OF THE SHOULDER WILL BE MILLED AND OVERLAYED WITH A TOP COURSE OF ASPHALT. 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.

#### RESTORATION OF ROADWAY

THESE AREAS WILL BE RESTORED AS CLOSE AS PRACTICABLE TO PRE-CONSTRUCTION CONDITIONS AND CONTOURS. TRENCHES WILL BE BACKFILLED THE APPROPRIATE DETAIL, FULL WIDTH OF THE TRENCH WILL BE RESTORED TO MATCH THE EXISTING PAVEMENT SHOULDER SECTION, THE FULL WIDTH OF THE TRAVEL LANE WILL BE MILLED AND OVERLAYED WITH A TOP COURSE OF ASPHALT. 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.

#### RESTORATION OF ROADWAY

FOLLOWING CONSTRUCTION, THE CERTIFICATE HOLDER WILL RESEED THE CONSTRUCTION AREA WITHIN RECREATIONAL AREAS SUCH AS ADIRONDACK PARK 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.

#### RESTORATION OF ROADWAY

CURRENTLY, NO RESTORATION NEEDS IN URBAN/RESIDENTIAL AREAS HAVE BEEN IDENTIFIED WITHIN PACKAGE 1A/1B. AS DESCRIBED IN THE CERTIFICATE CONDITIONS, CURBS, SIDEWALKS, AND STREETS DAMAGED BY CONSTRUCTION WILL BE RESTORED TO PRE-EXISTING CONDITION OR BETTER. THE CERTIFICATE HOLDER WILL CONSULT, WHERE APPLICABLE, THE MUNICIPAL ROAD OR HIGHWAY DEPARTMENT AND/OR THE REGIONAL OFFICE OR COUNTY ENGINEER OF THE NYSDOT IN ORDER TO IDENTIFY AND INCORPORATE APPLICABLE SPECIFICATIONS FOR CURB. SIDEWALK. OR STREET RESTORATION. ALL SURFACE RESTORATION WILL FOLLOW THE APPLICABLE DETAIL.. GUIDE RAILS WILL BE REMOVED AND REPLACED IN ACCORDANCE WITH NYSDOT STANDARD SHEET 606-01. COUNTY ROAD 3 IN PACKAGE 1A WILL BE RESTORED UNDER A DIFFERENT COUNTY RESTORATION REQUIREMENT AS SHOWN IN THE APPLICABLE DETAIL.

#### PLANT INSPECTION, GUARANTEE AND MAINTENANCE

VEGETATION RESTORATION ALSO INCLUDES THE MAINTENANCE OF PLANTINGS FOR SPECIFIED TIME PERIODS AND THE REPLACEMENT OF UNSUCCESSFUL PLANTINGS. ALL VEGETATION REPLACED WILL HAVE A MINIMUM TWO (2) YEAR SURVIVAL GUARANTEE. TEMPORARY EROSION CONTROLS WILL BE REMOVED ONCE REVEGETATION IS ESTABLISHED. REVEGETATION WILL BE MONITORED UNTIL THERE IS A MINIMUM OF EIGHTY (80) PERCENT REGROWTH. 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.

THE ENVIRONMENTAL INSPECTOR WILL INSPECT ALL PLANTS IN CONTAINERS PRIOR TO PLANTING. PLANTINGS WILL BE PERFORMED BY A QUALIFIED LANDSCAPE OR NURSERY CONTRACTOR. THE ENVIRONMENTAL INSPECTOR WILL INSPECT ALL PLANTS PRIOR TO PLANTING AND 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.

RESTORATION OR SEEDED AREAS WILL BE CONSIDERED TO HAVE MET FINAL STABILIZATION WHEN ALL SOIL DISTURBING ACTIVITIES HAVE CEASED AND A UNIFORM, PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 80 PERCENT.

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

#### 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

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

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

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

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.

ALL SEED MIXES WILL BE FREE OF INVASIVE SPECIES.

CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 1 - PUTNAM TO DRESDEN RESTORATION NOTES

CHA PROJECT NO. 066076 DRAWING NO.

G-020

KIEWIT PROJECT NO.

21162

**W**Kiewit



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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04/15/2022 EM&CP REGULATORY SUBMISSION

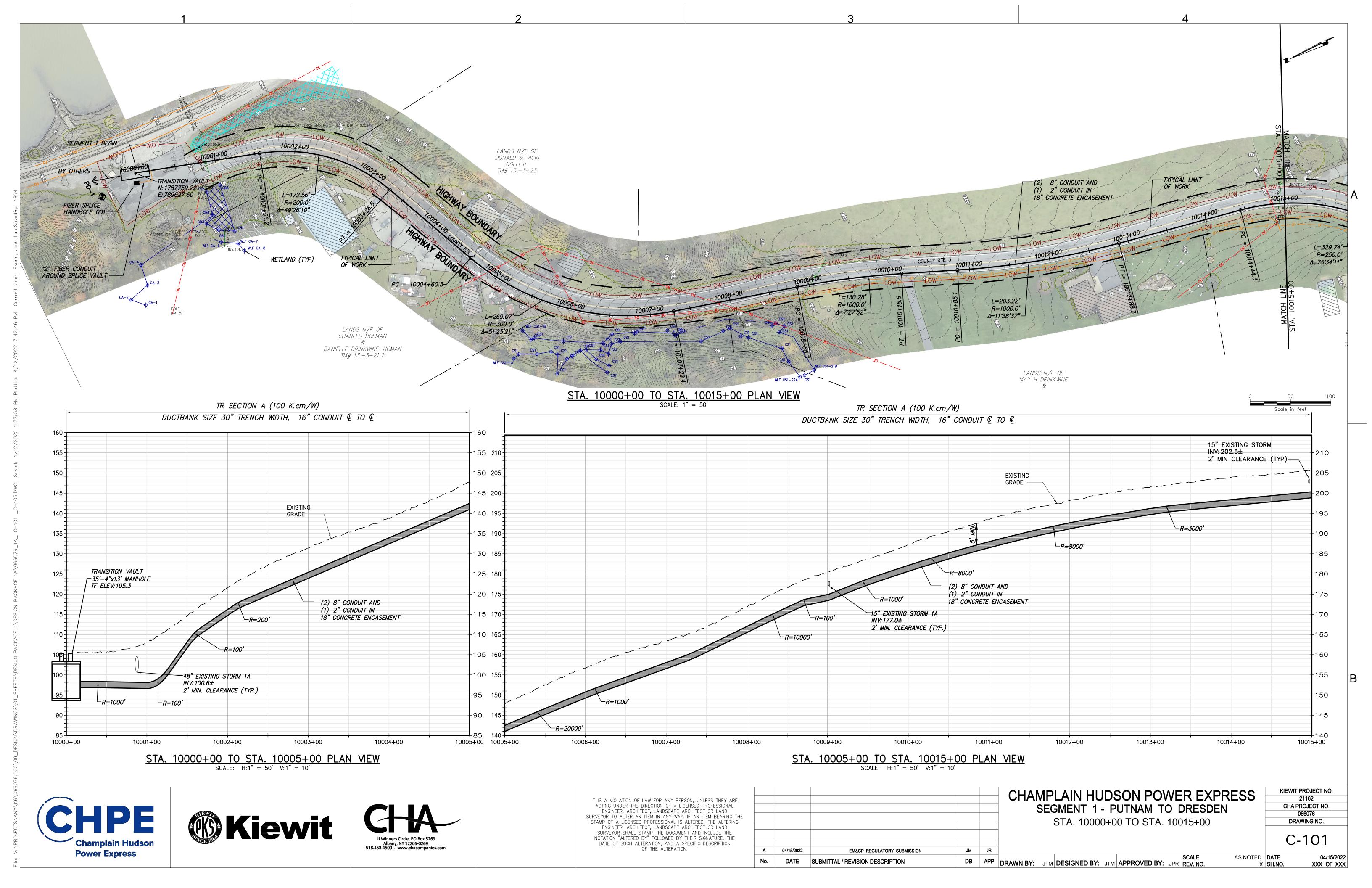
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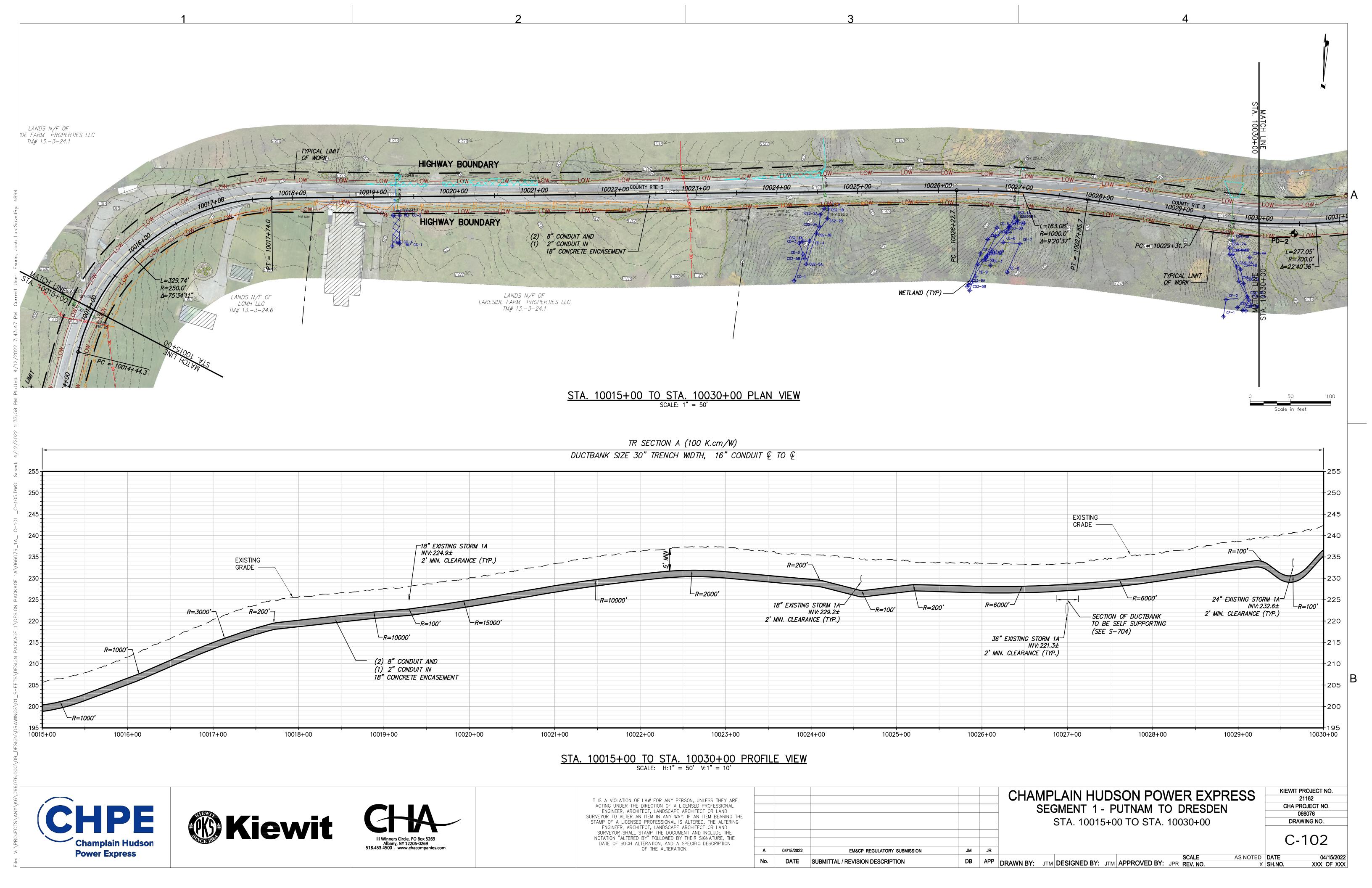
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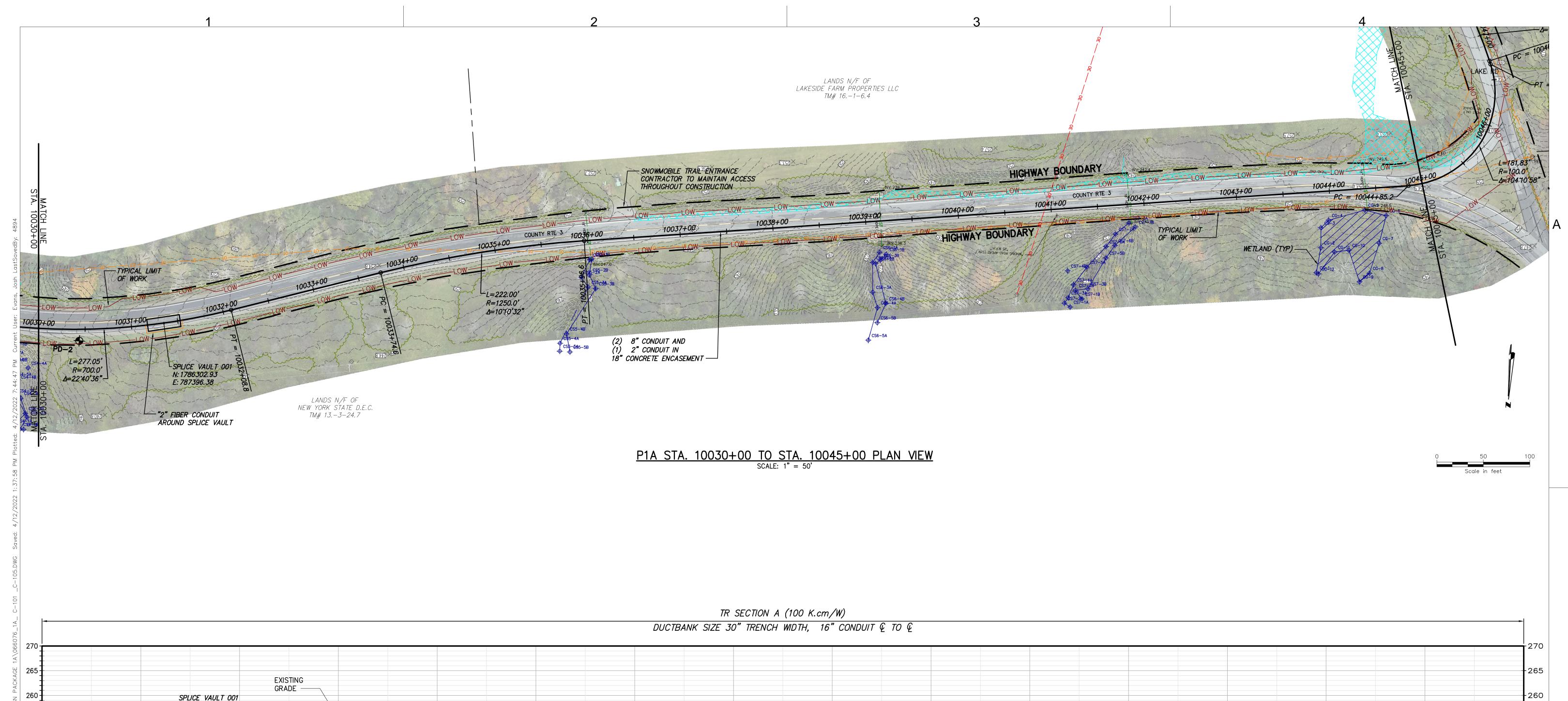
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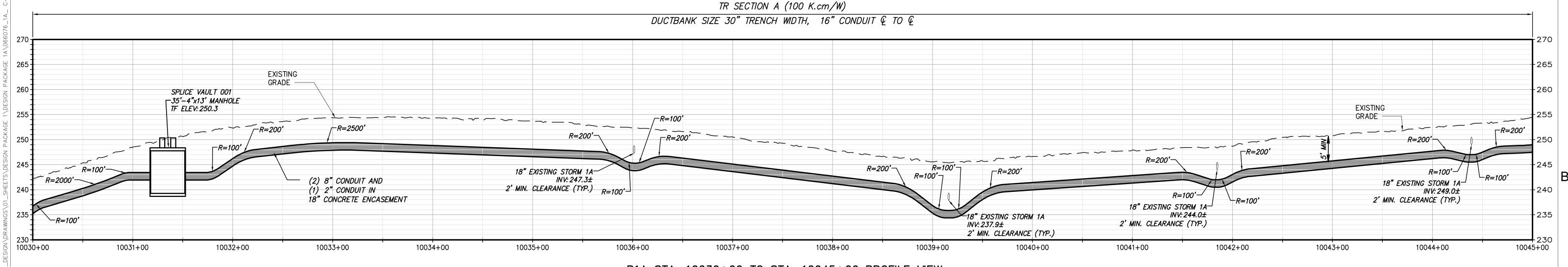
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Champlain Hudson **Power Express** 









## P1A STA. 10030+00 TO STA. 10045+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
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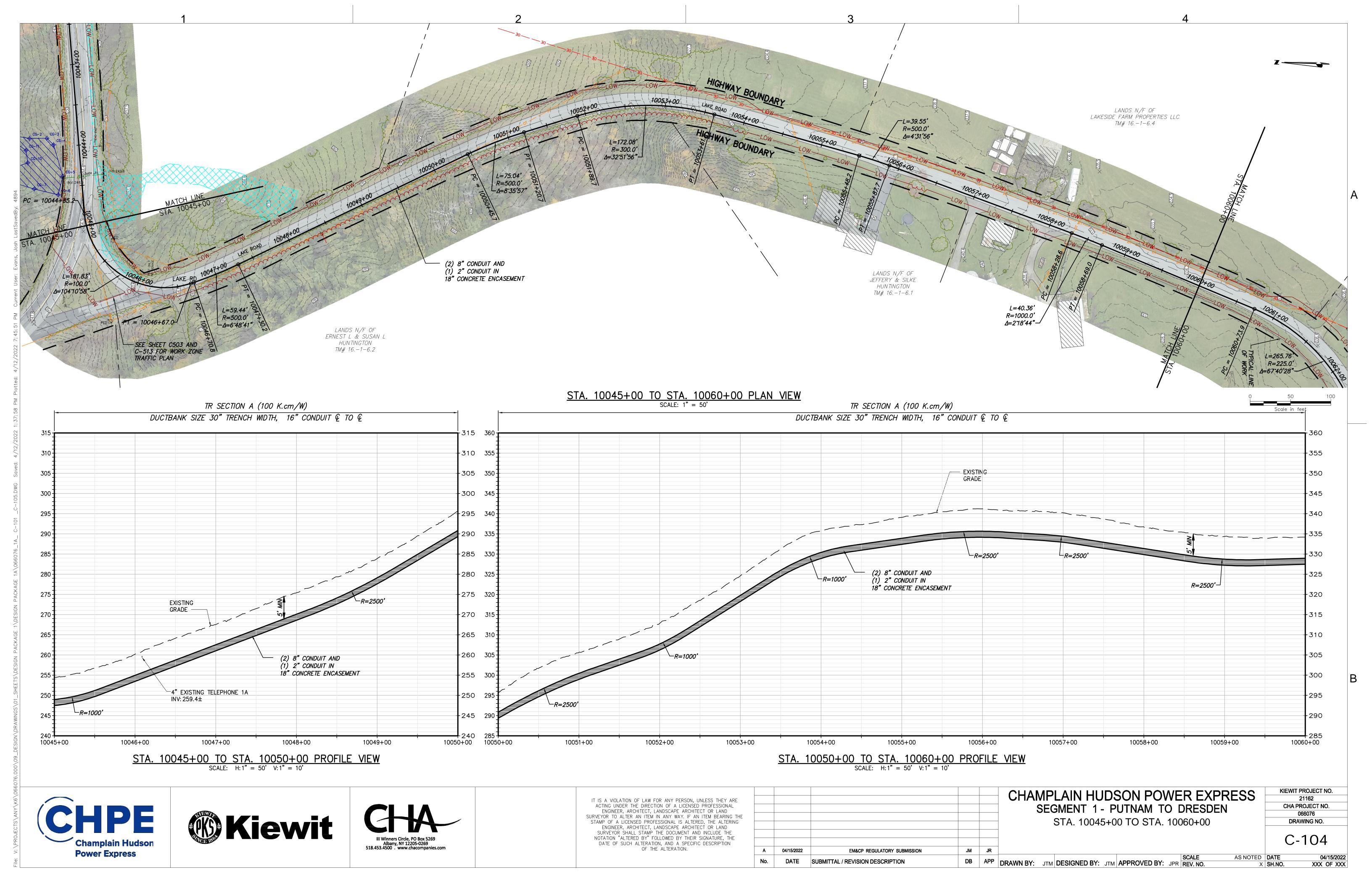
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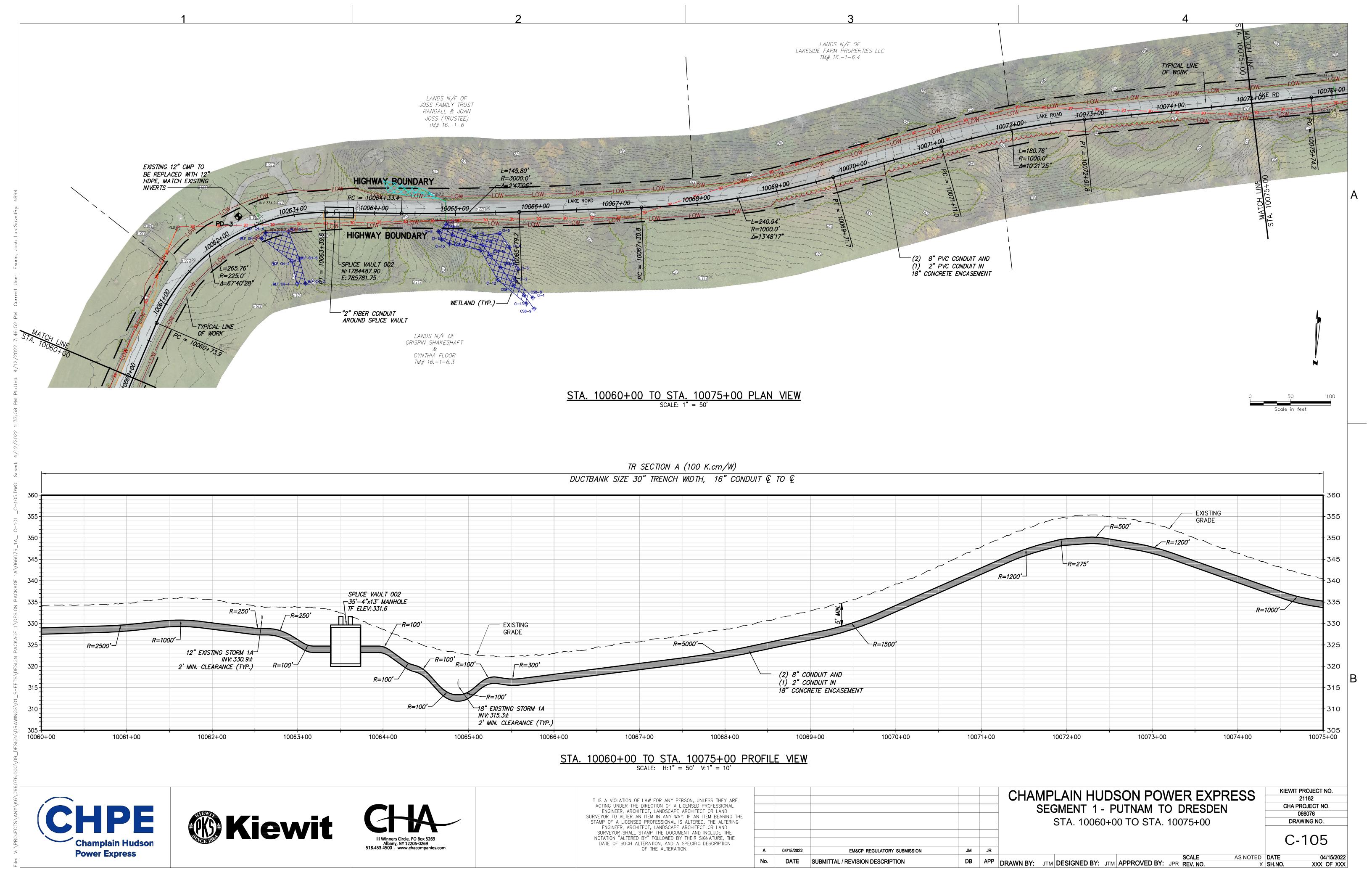
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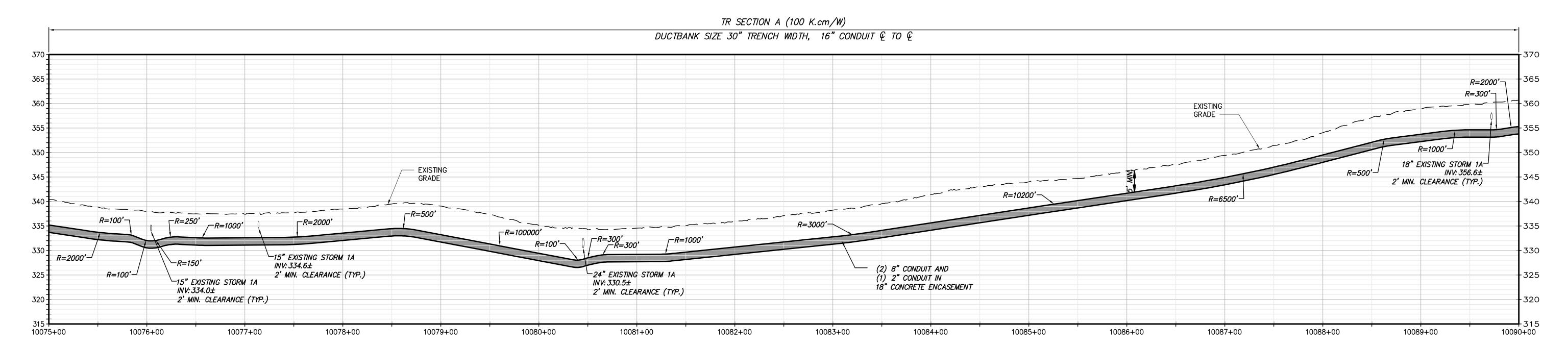
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AS NOTED DATE

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STA. 10075+00 TO STA. 10090+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
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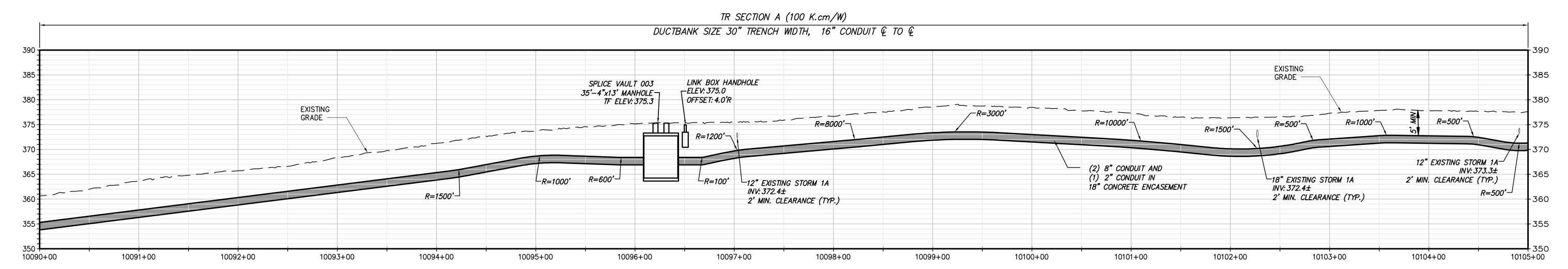
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## HAMPLAIN HUDSON POWER EXPRESS SEGMENT 1 - PUTNAM TO DRESDEN STA. 10075+00 TO STA. 10090+00

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04/15/2022

AS NOTED DATE X SH.NO. XXX OF XXX



STA. 10090+00 TO STA. 10105+00 PROFILE VIEW







IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION	
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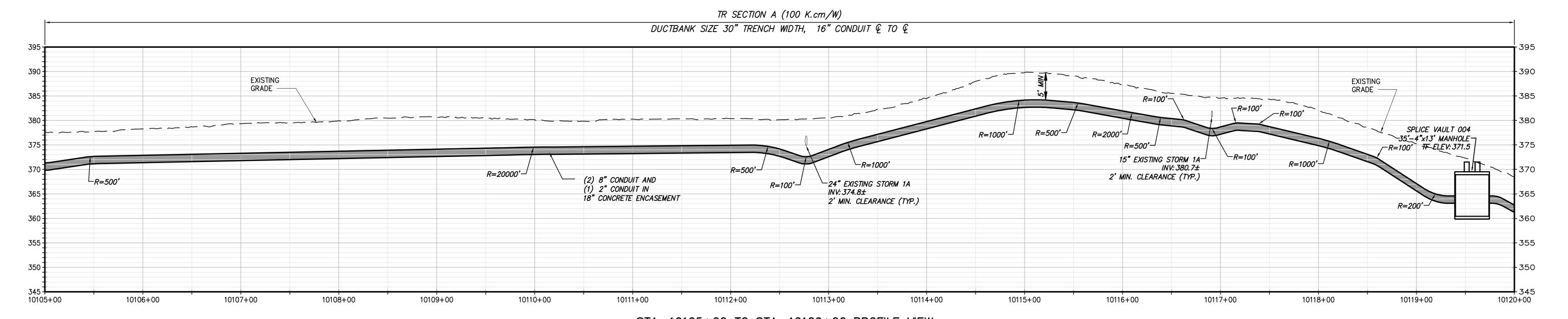
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KIEWIT PROJECT NO. 21162 CHA PROJECT NO. 066076 DRAWING NO.

C-107

04/15/2022

AS NOTED DATE X SH.NO. XXX OF XXX



STA. 10105+00 TO STA. 10120+00 PROFILE VIEW

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







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## HAMPLAIN HUDSON POWER EXPRESS SEGMENT 1 - PUTNAM TO DRESDEN STA. 10105+00 TO STA. 10120+00

KIEWIT PROJECT NO. CHA PROJECT NO. DRAWING NO.

C-108

AS NOTED DATE XXX OF XXX

