CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 11 - (PACKAGE 7A) - CSX: CATSKILL GREENE COUNTY, NEW YORK FINAL SUBMISSION - MARCH 17, 2023







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



SCALE: 1" = 5000'



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.	ISSUED FOR PERMITTING	F E D C B A	3/17/2023 01/24/2023 11/16/2022 04/29/2022 03/22/2022 02/14/2022	FINAL SUBMISSION DRAFT FINAL SUBMISSION PRELIMINARY DRAFT FINAL SUBMISSION 60% DESIGN SUBMISSION PRELIMINARY DESIGN DEVELOPMENT PRELIMINARY PROGRESS	RB RB RB RB BV BV	JL JL JL JL TK TK	-
SPECIFIC DESCRIPTION OF THE ALTERATION.		А	02/14/2022	PRELIMINARY PROGRESS	BV	TK	
		No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DF



	SHEET LIST TABLE	C-319.2
SHEET NUMBER	SHEET TITLE	C-320
	PACKAGE 7A: GENERAL SHEETS	C-320.2
G-000	COVER SHEET	C-322
G-001	SHEET INDEX	C-322.2
G-002	GENERAL NOTES 1 OF 2	C-323
G-002.1	GENERAL NOTES 2 OF 2	C-323.2
G-002.2	PACKAGE SPECIFIC NOTES	
G-003	LEGEND, & ABBREVIATIONS	C-400
G-004		C-401
G-005	SPLICE LOCATION, FIBER HANDHOLE AND LINK BOX HANDHOLE TABLES	C-402
G-006		C-403
G-007		C_404
G-008		C_405
	PACKAGE 7A' PLAN AND PROFILE SHEETS	C-406
C-101	STA. 70000+00 TO STA. 70013+00 PLAN AND PROFILE	C-407
C-102	STA. 70013+00 TO STA. 70021+00 PLAN AND PROFILE	C-407 1
C-103	STA. 70021+00 TO STA. 70036+00 PLAN AND PROFILE	C-408
C-104	STA. 70036+00 TO STA. 70050+00 PLAN AND PROFILE	C-408.1
C-105	STA. 70050+00 TO STA. 70061+00 PLAN AND PROFILE	C-409
C-105.1	STA. 70061+00 TO STA. 70071+50 PLAN AND PROFILE	C-410
C-106	STA. 70071+50 TO STA. 70087+00 PLAN AND PROFILE	C-411
C-107	STA. 70087+00 TO STA. 70101+50 PLAN AND PROFILE	C-412
C-107.1	STA. 70101+50 TO STA. 70114+00 PLAN AND PROFILE	C-413
C-108	STA. 70114+00 TO STA. 70125+00 PLAN AND PROFILE	C-414
C-109	STA. 70125+00 TO STA. 70135+00 PLAN AND PROFILE	C-415
C-110	STA. 70135+00 TO STA. 70150+00 PLAN AND PROFILE	C-416
C-111	STA. 70150+00 TO STA. 70165+00 PLAN AND PROFILE	C-417
C-112	STA. 70165+00 TO STA. 70180+00 PLAN AND PROFILE	C-418
C-113	STA. 70180+00 TO STA. 70195+00 PLAN AND PROFILE	C-419
C-114	STA. 70195+00 TO STA. 70210+00 PLAN AND PROFILE	C-420
C-115	STA. 70210+00 TO STA. 70225+00 PLAN AND PROFILE	C_421
C-117	STA. 70223+00 TO STA. 70240+00 PLAN AND PROFILE	C_422
C-118	STA 70255+00 TO STA 70270+00 PLAN AND PROFILE	C-423
C-119	STA. 70270+00 TO STA. 70285+00 PLAN AND PROFILE	C-425
C-120	STA. 70285+00 TO STA. 70300+00 PLAN AND PROFILE	C-426
C-121	STA. 70300+00 TO STA. 70315+00 PLAN AND PROFILE	C-427
C-122	STA. 70315+00 TO STA. 70330+00 PLAN AND PROFILE	C-428
C-123	STA. 70330+00 TO STA. 70345+00 PLAN AND PROFILE	C-429
C-124	STA. 70345+00 TO STA. 70360+00 PLAN AND PROFILE	C-430
C-125	STA. 70360+00 TO STA. 70375+00 PLAN AND PROFILE	
C-126	STA. 70375+00 TO STA. 70390+00 PLAN AND PROFILE	C-501
C-127	STA. 70390+00 TO STA. 70405+00 PLAN AND PROFILE	C-502
C-128	STA. 70405+00 TO STA. 70420+00 PLAN AND PROFILE	C-503
C-129	STA. 70420+00 TO STA. 70435+00 PLAN AND PROFILE	C-504
C-130	STA. 70435+00 TO STA. 70450+00 PLAN AND PROFILE	C-505
C-131	STA. 70450+00 TO STA. 70454+33 PLAN AND PROFILE	C-506
	PACKAGE 7A: ACCESS AND CONSTRUCTION STAGING PLANS	C-507
0-201	OFF SITE ACCESS ROADS 1 OF 2	C-508A
6-202		C-508B
C 211 P		C-508C
C-311 B 2	PROPOSED PLAN AND PROFILE HDD 111.B	C-509A
C-312	PROPOSED PLAN AND PROFILE HDD 112	
C-312.2	PROPOSED PLAN AND PROFILE HDD 112.2	
C-313	PROPOSED PLAN AND PROFILE HDD 113	
C-313.2	PROPOSED PLAN AND PROFILE HDD 113.2	C_510R
C-315	PROPOSED PLAN AND PROFILE HDD 115	C-510C
C-315.2	PROPOSED PLAN AND PROFILE HDD 115.2	C-511
C-317	PROPOSED PLAN AND PROFILE HDD 117	
C-317.2	PROPOSED PLAN AND PROFILE HDD 117.2	C-601
C-318	PROPOSED PLAN AND PROFILE HDD 118	C-602
C-318.2	PROPOSED PLAN AND PROFILE HDD 118.2	C-603
C-319	PROPOSED PLAN AND PROFILE HDD 119	







-	٩
۰.	J
1	

319.2	PROPOSED PLAN AND PROFILE HDD 119.2
320	PROPOSED PLAN AND PROFILE HDD 120
320.2	PROPOSED PLAN AND PROFILE HDD 120.2
322	PROPOSED PLAN AND PROFILE HDD 122
322.2	PROPOSED PLAN AND PROFILE HDD 122.2
323	PROPOSED PLAN AND PROFILE HDD 123
323.2	PROPOSED PLAN AND PROFILE HDD 123.2
	PACKAGE 7A: EROSION AND SEDIMENT CONTROL PLANS
400	E&SC KEY PLAN
401	STA. 70000+00 TO STA. 70015+00
402	STA. 70015+00 TO STA. 70030+00
403	STA. 70030+00 TO STA. 70045+00
404	STA. 70045+00 TO STA. 70060+00
405	STA. 70060+00 TO STA. 70075+00
405.1	STA. 70075+00 TO STA. 70090+00
408	STA. 70105+00 TO STA. 70105+00
407	STA 70120+00 TO STA 70135+00
407.1	STA 70125+00 TO STA 70150+00
408 1	STA 70150+00 TO STA 70165+00
409	STA. 70165+00 TO STA. 70180+00
410	STA. 70180+00 TO STA. 70195+00
411	STA. 70195+00 TO STA. 70210+00
412	STA. 70210+00 TO STA. 70225+00
413	STA. 70225+00 TO STA. 70240+00
414	STA. 70240+00 TO STA. 70255+00
415	STA. 70255+00 TO STA. 70270+00
416	STA. 70270+00 TO STA. 70285+00
417	STA. 70285+00 TO STA. 70300+00
418	STA. 70300+00 TO STA. 70315+00
419	STA. 70315+00 TO STA. 70330+00
420	STA. 70330+00 TO STA. 70345+00
421	STA. 70345+00 TO STA. 70360+00
422	STA. 70360+00 TO STA. 70375+00
423	STA. 70375+00 TO STA. 70390+00
424	STA. 70390+00 TO STA. 70405+00 STA. 70405+00 TO STA. 70420+00
425	STA 70420+00 TO STA 70435+00
420	STA 70435+00 TO STA 70450+00
428	STA. 70450+00 TO STA. 70454+00
429	OFF SITE ACCESS ROADS (SHEET 1)
430	OFF SITE ACCESS ROADS (SHEET 2)
	PACKAGE 7A: ACCESS AND PROTECTION OF TRAFFIC PLANS
501	WORK ZONE TRAFFIC CONTROL NOTES LEGEND AND ABBREVIATIONS
502	WORK ZONE TRAFFIC CONTROL MPT STAGES
503	WORK ZONE TRAFFIC CONTROL
504	WORK ZONE TRAFFIC CONTROL
505	WORK ZONE TRAFFIC CONTROL
506	WORK ZONE TRAFFIC CONTROL
507	WORK ZONE TRAFFIC CONTROL ALLEN STREET DETOUR
508A	WORK ZONE TRAFFIC CONTROLUS HIGHWAY 9W (NB) LANE CLOSURE WITH LANE SHIFT - ADVANCE WARNING I SIGNS
508B	WORK ZONE TRAFFIC CONTROLUS HIGHWAY 9W (NB) LANE CLOSURE WITH LANE SHIFT - ENLARGEMENT
508C	WORK ZONE TRAFFIC CONTROLUS HIGHWAY 9W (NB) LANE CLOSURE WITH LANE SHIFT - DETOUR PLAN
509A	WORK ZONE TRAFFIC CONTROLUS HIGHWAY 9W (SB) LANE CLOSURE WITH LANE SHIFT - ADVANCE WARNING
209C	
5104	
510A	WORK ZONE TRAFFIC CONTROLUS HIGHWAY 9W (SB) LANE CLOSURE - ADVANCE WARNING SIGNS
5100	WORK ZONE TRAFFIC CONTROLUS HIGHWAY 9W (SB) I ANF CLOSURE - DETOUR PLAN
511	WORK ZONE TRAFFIC CONTROLUS HIGHWAY 9W (SB) TO MAIN STRFFT RAMP SHOULDER CLOSURE
- • •	PACKAGE 7A: DETAILS
601	EROSION AND SEDIMENT CONTROL DETAILS
602	EROSION AND SEDIMENT CONTROL DETAILS
603	EROSION AND SEDIMENT CONTROL DETAILS

C-611	WETLAND CROSSING DETAILS
C-612	WATERBAR DETAILS
C-621	TRENCHING DETAILS
C-631	SURFACE RESTORATION DETAILS
	PACKAGE 7A: STRUCTURAL DETAILS
S-700	SPLICE VAULT PLAN AND ELEVATION
S-701	SPLICE VAULT SECTION AND DETAILS
S-702	SPLICE VAULT ANCHOR AND EMBED DETAILS
S-703	SPLICE VAULT DETAILS
S-705	STRUCTURAL GENERAL NOTES AND ABBREVIATIONS
S-711	FRP LINK BOX HANDHOLES
S-715	HDD TRANSITION BOX MANHOLE DETAILS
S-720	REINFORCING TRAY OVER UTILITIES
S-721	REINFORCING TRAY DETAILS
S-730	TRANSITION VAULT PLAN AND ELEVATION
S-731	TRANSITION VAULT SECTION AND DETAILS
S-732	TRANSITION VAULT ANCHOR AND EMBED DETAILS
S-733	TRANSITION VAULT DETAILS
S-771	FRP COMMUNICATION HANDHOLES
	PACKAGE 7A: DETAILS - ELECTRICAL
C-801	ABOVE GROUND MARKING DETAILS
C-802	TYPICAL VAULT SNAKING DETAILS
C-803	TYPICAL VAULT GROUNDING DETAILS
C-805	TYPICAL TRANSITION VAULT SNAKING DETAILS
C-806	TRANSITION VAULT GROUNDING DETAILS
C-807	SPLICE VAULT AND CABLE MARKING DETAILS
C-808	TYPICAL OPEN PIT SPLICE CASING DETAILS
C-809	OPEN PIT SPLICE GROUNDING DETAILS
C-811	STEEL SUPPORT DETAILS
C-812	VAULT CONNECTION DETAILS
	PACKAGE 7A: DETAILS - COMMUNICATIONS
C-850	TRANSITION VAULT FIBER OPTIC DETAIL
C-851	DTS HUT CONNECTION FIBER OPTIC SPLICE & HAND HOLE
C-853	OPEN VAULT W/ FIBER OPTIC HAND HOLE
C-854	FIBER OPTIC HAND HOLE DETAILS
C-855	FIBER OPTIC SPLICE DIAGRAM
C-901	UTILITY TYPICAL SEPARATION DETAILS

								-	
	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.		F	3/17/2023	FINAL SUBMISSION	RB	JL	-	
			E	01/24/2023	DRAFT FINAL SUBMISSION	RB	JL	1	
		PERMITTING	D	11/16/2022	PRELIMINARY DRAFT FINAL SUBMISSION	RB	JL]	
				С	04/29/2022	60% DESIGN SUBMISSION	RB	JL]
			В	03/22/2022	PRELIMINARY DESIGN DEVELOPMENT	BV	TK]	
			Α	02/14/2022	PRELIMINARY PROGRESS	BV	TK		
			No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DF	

A

CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 11 (PACKAGE 7A) - CSX: CATSKILL KIEWIT PROJECT NO. 21162 TT PROJECT NO. 204-3701 SHEET INDEX DRAWING NO. **G-001** RAWN BY: RB DESIGNED BY: AC APPROVED BY: JL SCALE REV. NO. 03/17/2023 OF

<u>GE</u>	NERAL NOTES:	ERC	<u>)SI</u>
1.	THE PLANS SHOW SUBSURFACE STRUCTURES, ABOVE GROUND STRUCTURES AND/OR UTILITIES FROM FIELD LOCATION AND RECORD	1. 5	SEE
	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	2. L	LAN
0	CARE IN EXECUTING ANY WORK. 48 HOURS BEFORE YOU DIG, DRILL, OR BLAST, CALL U.F.P.O. 1-(800)-962-7962 TOLL FREE.	3. 1 E	THE EM&
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.	4. N II	NO INST
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.	5. S N	SITE NYS
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.	6. <i>A</i> [ALL DIST
5.	ALL WORK SHALL BE DONE IN STRICT COMPLIANCE WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES, STANDARDS, ORDINANCES, RULES, AND REGULATIONS.		DIST
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. II S	INA(SEN
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. S	SED
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	F 9. 1	REP
9.	IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE ALL PLAN SHEETS.	H 10. (PRE GEN
0.	THE CONTRACTOR SHALL:	11. <i>A</i>	ADD
	A. VERIFY ALL CONDITIONS IN THE FIELD PRIOR TO COMMENCEMENT OF WORK AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.		SWP INSF
	C. PROVIDE AND INSTALL ALL MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH RECOGNIZED GOOD STANDARD PRACTICE.	12. (GEN STA
1.	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 CSX AND AREMA REQUIREMENTS.	13. <i>A</i>	AT DISC
2.	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.	14. (F F	CON FIEL FRO
3.	MAINTAIN FLOW FOR ALL EXISTING UTILITIES.	HDD) F
4.	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.	1. l	
5.	TEMPORARY PAVEMENT SHALL BE PLACED WITHIN 48 HOURS OF COMPLETION OF BACKFILL OPERATIONS WITHIN THE EXISTING PAVEMENT LIMITS.	2. 1	
6.	CONTRACTOR SHALL MAINTAIN ALL TRAFFIC IN ALL AREAS IN ACCORDANCE WITH THE NYSDOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.	, , C	AND DE TE
7.	ALL EXCAVATIONS SHALL BE PROTECTED AT THE END OF EACH WORK DAY PER OSHA AND NYSDOT REQUIREMENTS.	3. 1 S	THE SPA
8.	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.	4. H	HDD ON (
9.	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	5. S	SPT LOGS
	UNCOVERED, CONTRACTOR SHALL DOCUMENT THE DAMAGE AND REPORT DAMAGE TO THE APPROPRIATE OWNER.	6. H [HDD DESI
20.	BURY FOR CABLED UTILITIES IS 30" UNLESS OTHERWISE SHOWN. ASSUMED DEPTH OF BURY FOR WATERLINES IS 5' UNLESS OTHERWISE SHOWN. ASSUMED DEPTH OF BURY FOR WATERLINES IS 5' UNLESS OTHERWISE SHOWN.	7. H V	HDD WOR
21.	CONTRACTOR TO COORDINATE ALL DRIVEWAY CROSSINGS WITH THE PROPERTY OWNERS PRIOR TO EXCAVATING. ACCESS TO ALL	8. H	HDD
	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.	9. / C	ALL CON SHAI
2.	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	10. 1 (THE
	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".	11. <i>A</i>	ALL
3.	WORKING IN WETLANDS: IN GENERAL, STOCKPILING IN WETLANDS AND GRADING WETLAND SOILS FOR ANY ROADS, WORK AREAS, OR PADS IS PROHIBITED. IN ORDER TO ACHIEVE DESIGN GRADES FOR CONSTRUCTION OPERATIONS, EITHER 1) TIMBER MATTING WILL BE	DIS	TU
	LAYERED (STACKED), OR 2) TOPSOIL WILL BE STRIPPED AND STOCKPILED OUTSIDE OF WETLAND AREAS, GEOTEXTILE FABRIC WILL BE PLACED UNDER FILL PER EM&CP REQUIREMENTS AND APPROVED DETAILS. THE CONTOURS SHOWN WITHIN WETLAND AREAS IN THESE PLANS DEPICT THE DIFFERENCE BETWEEN EXISTING AND PROPOSED ELEVATIONS AND ARE NOT INTENDED TO REPRESENT STOCKPILING	1. T 	THE INCL
	IN WETLANDS OR GRADING EXISTING WETLAND SOILS. FOR SPECIFIC REQUIREMENTS FOR WORKING IN WETLAND AREAS INCLUDING	11	
	IN WETLANDS OR GRADING EXISTING WETLAND SOILS. FOR SPECIFIC REQUIREMENTS FOR WORKING IN WETLAND AREAS INCLUDING REQUIREMENTS FOR EXCAVATION AND STOCKPILING, REFER TO EM&CP SECTION 4.10.2.	2. 1	TEM
24.	IN WETLANDS OR GRADING EXISTING WETLAND SOILS. FOR SPECIFIC REQUIREMENTS FOR WORKING IN WETLAND AREAS INCLUDING REQUIREMENTS FOR EXCAVATION AND STOCKPILING, REFER TO EM&CP SECTION 4.10.2. AS CONSTRUCTION, OPERATIONAL, AND SAFETY REQUIREMENTS ALLOW; THE CONTRACTOR HAS THE OPTION TO REDUCE IMPACTS (INCLUDING WITHIN WETLAND AREAS) BY 1) REDUCING THE AREA OF TIMBER MATTING, WORK AREAS, OR ACCESS ROADS DEPICTED IN THESE PLANS, AND 2) INCREASING THE LONGITUDINAL AND TRANSVERSE SLOPES OF ROADS AND WORK AREAS.	2. 1 F F F	TEM RES PRO POT







ION CONTROL NOTES:

E C-400 SERIES OF SHEETS FOR EROSION AND SEDIMENT CONTROL SHEETS.

ND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES.

E GENERAL CONTRACTOR SHALL STRICTLY ADHERE TO THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND FOLLOW THE & CP DOCUMENTS DURING CONSTRUCTION OPERATIONS.

LAND CLEARING OR GRADING SHALL BEGIN UNTIL ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN TALLED. (WETLAND PROTECTION FENCE, SILT FENCE AND STABILIZED CONSTRUCTION ENTRANCE)

E DISTURBANCE SHALL NOT EXCEED FIVE (5) ACRES OF SOIL AT ANY ONE TIME WITHOUT PRIOR WRITTEN AUTHORIZATION FROM SDEC DIVISION OF WATER.

EXPOSED AREAS SHALL BE SEEDED AND MULCHED AS SPECIFIED WITHIN 14 DAYS OF FINAL GRADING. "IN AREAS WHERE SOIL TURBANCE ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED, THE APPLICATION OF SOIL STABILIZATION MEASURES MUST BE TIATED BY THE END OF THE NEXT BUSINESS DAY AND COMPLETED WITHIN FOURTEEN (14) DAYS FROM THE DATE THE CURRENT SOIL TURBANCE ACTIVITY CEASED."

CTIVE PORTIONS OF THE SITE ARE TO BE SEEDED AND MULCHED AS SPECIFIED WITHIN 14 DAYS. "FOR DISTURBED WETLAND AND INSITIVE AREAS, AREA TO BE RESTORED IN ACCORDANCE WITH THE EM&CP"

DIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN (7) DAYS OR MORE FREQUENTLY IF QUIRED. ALL MAINTENANCE REQUIRED BY INSPECTION SHALL COMMENCE WITHIN 24 HOURS AND BE COMPLETED WITHIN 48 HOURS OF PORT.

S PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE AS THE GENERAL CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO EVENT SOIL SEDIMENT FROM LEAVING THE SITE.

NERAL CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.

DITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY FOLLOWING SITE INSPECTION. THE PPP AND/OR ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO REQUIRE ADDITIONAL EROSION CONTROL MEASURES IF THE PPECTOR DEEMS NECESSARY.

NERAL CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL ABILIZATION.

THE END OF EACH WORK DAY DISTURBED SOILS ARE TO BE REGRADED TO DRAIN INTO THE TEMPORARY DIVERSION SWALES AND ICHARGES FROM DEWATERING ACTIVITIES ARE TO BE DIRECTED INTO CATCH BASINS OR SWALES.

NCRETE WASHOUTS DEPICTED ON PLANS ARE FOR REFERENCE ONLY. CONTRACTOR TO FIELD LOCATE WASHOUTS AS NECESSARY. ILD LOCATED WASHOUTS SHALL BE LOCATED CONSTRUCTED IN ACCORDANCE WITH THE EM&CP AND SHALL BE A MINIMUM OF 100' OM ADJACENT WETLANDS AND 200' FROM ANY EXISTING WELLS.

PLAN & PROFILE NOTES:

LESS NOTED OTHERWISE ON C-300 SERIES HDD PLAN AND PROFILES, EACH HDD INCLUDES A 10" DIAMETER CONDUIT FOR A HVDC ELECTRICAL ANSMISSION CABLES: A 2" CONDUIT WILL BE BUNDLED IN PULLBACK WITH ONE OF THE 10" CONDUITS FOR A TELECOMUNICATION LINE.

EMAL RESISTIVITY (TR) HORIZONTAL SPACING TO BE MAINTAINED IN PLAN BETWEEN CONDUIT 1 AND CONDUIT 2 IS CALLED OUT AS "TRDS" PENDED TO A DIMENSION IN BETWEEN CONDUITS IN PLAN, WHERE TRDS IS THE THERMAL RESISTIVITY DESIGN SPACING. TRDS IS DERIVED FROM D ASSIGNED RHO (GREEK CHARATER r FOR TR) AND ON DESIGN DEPTH FOR THE PAIR OF CONDUITS IN SHOWN PROFILE. RHO AND TRDS ARE FERMINED BY ELECTRICAL ENGINEERING ON THE BEHALF OF THE OWNERS.

E HDD CONTRACTOR SHALL HOLD THE TRDS IN THEIR OPERATIONS WITHIN THE HORIZONAL TOLERANCES SPECIFIED. IN CONSTUCTION, THE ACING SHALL BE CONTROLED, OBSERVED, AND MAINTIANED SUCH THAT THE AS-BUILT SPACING SHALL NEVER BE LESS THAN TRDS -10 FEET SPECIFIED IN INDIVIDUAL HDD SHEET, ABSOLUTE MINIMIM.

D SUBCONTATCTOR SHALL COORDINATE WITH OVERHEAD ELECTRIC OWNER/OPERATOR(S) TO HAVE TEMPORARY PROTECTIVE SLEEVES INSTALLED OVERHEAD POWER LINES IN THE VICINITY OF WORKZONES, AS REQUIRED.

T N-VALUES SHOWN ON THE C-300 SERIES DRAWINGS ARE NOT CORRECTED FOR THE SAMPLER SIZE OR HAMMER ENERGY. REFERENCE BORING SS AND GEOTECHNICAL REPORTS FOR ADDITIONAL INFORMATION.

D ENTRY PITS ARE SUBJECT TO RELOCATION WITHIN 5' OF DESIGNATED ENTRY POINT ON PLANS WITHIN THE CONFINES OF THE RESPECTIVE SIGNATED HDD WORK AREA.

D EXIT PITS ARE SUBJECT TO RELOCATION WITHIN 10' OF DESIGNATED EXIT POINT WIHTIN THE CONFINES OF THE RESPECTIVE DESIGNATED HDD RK AREA.

O CONDUIT PULL DIRECTIONS ARE SUBJECT TO CHANGE.

BURIED UTILITY DEPTHS ARE APPROXIMATE. PRIOR TO ANY HDD CONSTRUCTION, EXCAVATION OR EXPLORATORY BORING, CONTRACTOR MUST NTACT 811 AND ABIDE BY ALL STATE EXCAVATION REQUIREMENTS. CONFLICTING UTILITES REQUIRING MODIFICATIONS TO THE HDD DESIGN ALL BE REPORTED TO THE ENGINEER IMMEDIATELY.

MINIMUM SEPARATION DISTANCE FROM EXISTING SUBSURFACE UTILITIES SHALL NOT BE LESS THAN 120 INCHES AS MEASURED FROM THE SIDE EDGE OF THE UTILITY TO THE OUTSIDE OF THE PROPOSED HDD, UNLESS GREATER OFFSETS ARE SHOWN.

COORDINATES ARE IN NEW YORK STATE PLAN, NAD83, EAST ZONE, US FOOT.

JRBANCE NOTES:

E PROPOSED DISTURBANCE FOR THE TRENCH WILL BE LIMITED TO THE WIDTH OF THE TRENCH SECTIONS DEPICTED ON C-621 LUDING THE OPTION TO BENCH OR SLOPE TRENCH WHERE SPACE IS AVAILABLE AND TRENCH IS NOT LOCATED IN A ROADWAY OR PAVEMENT.

MPORARY ACCESS AND WORK AREAS DEPICTED IN THESE PLANS SHALL BE RESTORED TO EXISTING CONDITION PER THE PROJECT STORATION NOTES AND DETAILS UNLESS THE CERTIFICATE HOLDER (CHPE LLC) ESTABLISHES A DPS APPROVED AGREEMENT WITH A OPERTY OWNER TO DO OTHERWISE. EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN DEVELOPED TO INCORPORATE THESE TENTIALLY DISTURBED AREAS.

								- (
								- '
	IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY		F	3/17/2023	FINAL SUBMISSION	RB	JL	- - - - - - DR
	PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT		E	01/24/2023	DRAFT FINAL SUBMISSION	RB	JL	
OR LAND SURVEYOR TO ALTER AN THEM 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.	PERMITTING	D	11/16/2022	PRELIMINARY DRAFT FINAL SUBMISSION	RB	JL		
		С	04/29/2022	60% DESIGN SUBMISSION	RB	JL		
		В	03/22/2022	PRELIMINARY DESIGN DEVELOPMENT	BV	TK	DR	
		А	02/14/2022	PRELIMINARY PROGRESS	BV	TK		
			No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DR



CLEANUP AND RESTORATION NOTES

PROMPT CLEANUP AND RESTORATION OF ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITY IS A PRIORITY OF THE CONSTRUCTION SCHEDULE AND SEQUENCING. TIMELY CLEANUP AND RESTORATION WILL ASSIST IN MINIMIZING POTENTIAL ENVIRONMENTAL IMPACTS ASSOCIATED WITH THE PROJECT. PROCEDURES FOR CLEANUP AND RESTORATION ARE DESCRIBED IN THE FOLLOWING SECTIONS. IN ACCORDANCE WITH CERTIFICATE CONDITION 48, WITHIN TEN (10) DAYS OF THE COMPLETION OF FINAL RESTORATION ACTIVITIES, THE CERTIFICATE HOLDER WILL NOTIFY THE SECRETARY THAT ALL RESTORATION HAS BEEN COMPLETED IN COMPLIANCE WITH THE CERTIFICATE AND THE ORDER(S) APPROVING THE EM&CP.

CLEANUP STANDARDS AND PRACTICES

FROM THE BMPS', CLEAN-UP, 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 ROWS WILL BE THOROUGHLY CLEANED AFTER CONSTRUCTION IS COMPLETED ON THAT PARTICULAR SECTION. VEGETATION TO BE CLEARED WILL BE IDENTIFIED ON A SITE-SPECIFIC BASIS ON THE EM&CP PLAN AND PROFILE DRAWINGS. CLEARED VEGETATION WILL BE DISPOSED OF IN ACCORDANCE WITH THE APPROPRIATE DISPOSAL TECHNIQUES. 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. 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. NO FABRICATED DEBRIS BE BURNED OR BURIED.

RESTORATION AND PLANTING

THE FINAL STAGE OF CONSTRUCTION WILL CONSIST OF RESTORING THE ROW TO ITS ORIGINAL CONDITION AND CHARACTER TO THE EXTENT 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 RESEDING 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 4.4.7 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 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.

SEEDING AND PLANTING

SEEDING OPERATIONS WILL COMMENCE ONLY AFTER AN ACCEPTABLE SEEDBED HAS BEEN ESTABLISHED. SEED WILL BE APPLIED BY HAND, CYCLONE SEEDER, DRILL, OR CULTI-PACKER-TYPE SEEDER AT A DEPTH OF 0.25 TO 0.5 INCH. THE SEEDBED WILL BE FIRMED FOLLOWING SEEDING OPERATION WITH A ROLLER OR LIGHT DRAG, EXCEPT WHERE CULTI-PACKER-TYPE SEEDERS OR HYDROSEEDERS ARE USED. THE ENTIRE SEEDED AREA WILL BE WATERED WITH A FINE SPRAY UNTIL A UNIFORM MOISTURE DEPTH OF ONE (1) INCH HAS BEEN ACHIEVED. 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 AT THE APPROPRIATE RATES AFTER SEED IS APPLIED. 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 EITHER ORIGINAL TAGS OR SCANNED COPIES. THE SEED MIXTURES WILL FOLLOW THE TECHNICAL SPECIFICATIONS INCLUDED ON THE PLAN AND PROFILE DRAWINGS IN APPENDIX C FOR UPLANDS AND WETLAND BUFFER ZONES. SEEDED AREAS WILL BE MONITORED FOLLOWING RESTORATION UNTIL A MINIMUM VEGETATIVE COVER OF EIGHTY (80) PERCENT IS ACHIEVED.

WHERE TREE OR SHRUB PLANTINGS ARE PRESCRIBED IN THE EM&CP, 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 (BMP DOCUMENT SECTION 11.1.2.5).





RESPROUTING WOULD INTERFERE WITH THE SAFE AND RELIABLE OPERATION OF THE PROJECT.

IF 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 OR LANDSCAPED AREAS, WILL BE REPLACED WITHIN THE FOLLOWING YEAR BY THE CERTIFICATE HOLDERS WITH THE EQUIVALENT TYPE OF TREES OR SHRUBS EXCEPT IF:

- INCONSISTENT WITH STATE-INVASIVE SPECIES POLICY; OR
- ROW; OR
- REPLACEMENT) DECLINES REPLACEMENT.

<u>RESTORATION OF WATERBODIES</u>

UPON COMPLETION OF BACKFILLING OPERATIONS, CLEANUP AND RESTORATION OF THE STREAM CROSSING, BANKS AND BANK APPROACHES (AT LEAST 50 FEET ADJACENT TO EACH BANK) WILL BE COMPLETED WITHIN 24 HOURS. IF NEEDED, STREAM BANKS WILL BE RE-ESTABLISHED TO ORIGINAL GRADE IMMEDIATELY AFTER STREAM BANK WORK IS COMPLETED. THE BANKS WILL THEN BE PERMANENTLY STABILIZED BY SEEDING WITH NATIVE GRASSES. MULCHED AND, IF NEEDED. PLANTED WITH NATIVE OR NATURALIZED SHRUB SEEDLINGS. IF ADDITIONAL STABILIZATION IS NEEDED JUTE NETTING OR EROSION CONTROL BLANKETS WILL BE USED. RESTORATION AND PLANTING DETAILS FOR WATERBODIES ARE FURTHER DETAILED IN SECTION 14.4.1 OF THE EM&CP.

RESTORATION OF WETLANDS

DURING THE INITIAL RESTORATION PHASE, ALL CONSTRUCTION DEBRIS WILL BE REMOVED FROM THE RIGHT-OF-WAY. SEGREGATED TOPSOIL WILL BE REPLACED, AND WETLAND CONTOURS AND DRAINAGE PATTERNS WILL BE RESTORED TO APPROXIMATE ORIGINAL CONDITION BY MATCHING THAT WHICH EXISTS IN ADJACENT UNDISTURBED AREAS.

RESTORATION OF THE WETLAND (OTHER THAN THE TRAVEL WAY) WILL BE COMPLETED WITHIN 24 HOURS AFTER BACKFILLING IS COMPLETED. THIS WILL BE DONE FOR A MINIMUM DISTANCE OF 50 FEET FROM THE WETLAND EDGE. RESTORATION OF THE WETLAND WILL INCLUDE BUT IS NOT LIMITED TO FINAL GRADING, SEEDING WITH A NATIVE WETLAND SEED MIX, FERTILIZING, AND MULCHING. HIGH ORGANIC SOILS (AS DETERMINED BY NYSDEC, DPS, OR THE ENVIRONMENTAL INSPECTOR) WILL BE GRADED BACK TO ORIGINAL CONTOURS AND LEFT UNMULCHED AND UNSEEDED TO FACILITATE THE GERMINATION OF NATIVE SEEDS AND SPROUTING OF RHIZOMES FROM THE SEED BANK. FOLLOWING CLEANUP, THE WETLAND WILL BE EVALUATED FOR POSSIBLE VEGETATIVE PLANTINGS. THIS WILL BE DONE IN CONSULTATION WITH THE APPROPRIATE AGENCIES.

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 (SHOWN ON PLAN AND PROFILE DRAWINGS, APPENDIX C).

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

THE CONSTRUCTION MATERIALS EQUIPMENT STAGING LOCATIONS FOR THIS SEGMENT ARE SUMMARIZED IN SECTION 5.4 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.

TETRA TECH

Tł

a)EQUIVALENT TYPE REPLACEMENT TREES OR SHRUBS WOULD INTERFERE WITH THE PROPER CLEARING, CONSTRUCTION, OPERATION, OR MAINTENANCE OF THE PROJECT OR WOULD BE

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

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

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 -YEAR SURVIVAL GUARANTEE (BMP DOCUMENT SECTION 11.2.2). 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 (BMP DOCUMENT SECTION 11.2.1.5).

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

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

RESTORATION OF RECREATIONAL AREAS

FOLLOWING CONSTRUCTION, THE CERTIFICATE HOLDERS WILL RESEED THE CONSTRUCTION AREA WITHIN RECREATIONAL AREAS SUCH AS THE CANALS 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. RECREATIONAL AREAS ARE DESCRIBED IN SECTION 7.2 OF THE EMCP.

ROADWAY RESTORATION (STRIPPING, SIGNAGE, AUDIBLE ROADWAY

DELINEATORS)

STRIPPING IMPACTED OR REMOVED FROM CONSTRUCTION WITHIN THE LIMITS OF WORK, INCLUDING AREAS OF MILL AND OVERLAYS TO BE INSTALLED PER EXISTING STRIPPING PATTERNS. CONTRACTOR SHALL INVENTORY ALL STRIPPING PRIOR TO WORK. WORK TO BE COMPLETED IN ACCORDANCE WITH NYSDOT STANDARD SHEETS AND SPECIFICATIONS (SEE 685 SERIES STANDARD SHEETS).

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 CONTROLS APPROPRIATE FOR THOSE LOCATIONS, AS APPROPRIATE.

THE CERTIFICATE HOLDERS WILL CONSULT THE MUNICIPAL ROAD OR HIGHWAY DEPARTMENT AND/OR THE 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 AND DETAILS PROVIDED IN THE PLAN AND PROFILE DRAWINGS (SHEET C-631). GUIDE RAILS WILL BE REMOVED AND REPLACED IN ACCORDANCE WITH NYSDOT STANDARD SHEET 606-01. COUNTY/LOCAL ROADS WILL BE RESTORED UNDER A DIFFERENT COUNTY RESTORATION REQUIREMENT AS SHOWN IN THE PLAN AND PROFILE DRAWINGS (SHEET C-631).

Α.	G	ΕN
	1.	PI
	2.	M
		33
		25
		18
		16
		5.
		3.0
	3.	AF
В.	AD	IRC

PELINE MIX W/SWITCHGRASS (ERNMX-102-1) IX COMPOSITION 3.0% PANICUM VIRGATUM, 'SHAWNEE' (SWITCHGRASS, 'SHAWNEE') 5.0% FESTUCA RUBRA (CREEPING RED FESCUE) 8.0% LOLIUM MULTIFLORUM (ANNUAL RYEGRASS) 5.0% PHLEUM PRATENSE, CLIMAX (TIMOTHY, CLIMAX) 5.0% TRIFOLIUM HYBRIDUM (ALSIKE CLOVER) .0% AGROSTIS ALBA (REDTOP) PPLIED AT A RATE OF 40 LBS/ACRE. 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. 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. 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. **KIEWIT PROJECT NO.** CHAMPLAIN HUDSON POWER EXPRESS 21162 SEGMENT 11 (PACKAGE 7A) - CSX: CATSKILL TT PROJECT NO. 204-3701 DRAWING NO. GENERAL NOTES 2 OF 2 G-002.1

A. GENERAL SEED: C. SPECIALIZED WETLAND MIX FOR SHADED OBL-FACW AREAS (ERNMX-137) D. FACW WETLAND MEADOW MIX (ERNMX-122)



Α

<u>X</u>	E	<u>S</u>

DRAWN BY: RB DESIGNED BY: AC APPROVED BY: JL REV. NO.

AS SHOWN DAT F SH NO. 03/17/2023

OF

CSX GENERAL NOTES:

1. AUTHORITY OF CSX ENGINEER:

1.a. THE CSX REPRESENTATIVE SHALL HAVE FINAL AUTHORITY IN ALL MATTERS AFFECTING THE SAFE MAINTENANCE OF CSX OPERATIONS AND CSX PROPERTY, AND HIS OR HER APPROVAL SHALL BE OBTAINED BY THE CHPE LLC OR ITS CONTRACTOR FOR METHODS OF CONSTRUCTION TO AVOID INTERFERENCE WITH CSX OPERATIONS IN CSX PROPERTY AND ALL OTHER MATTERS CONTEMPLATED BY THE AGREEMENT AND THESE SPECIAL PROVISIONS.

2. INTERFERENCE WITH CSX OPERATION

- 2.a. CHPE LLC OR ITS CONTRACTOR SHALL ARRANGE AND CONDUCT ITS WORK SO THAT THERE WILL BE NO INTERFERENCE WITH CSX OPERATIONS, INCLUDING, BUT NOT LIMITED TO: TRAIN, SIGNAL, TELEPHONE AND TELEGRAPHIC SERVICES, OR DAMAGE TO CSX'S PROPERTY, OR TO POLES, WIRES, AND OTHER FACILITIES OF TENANTS ON CSX'S PROPERTY OR RIGHT-OF-WAY. CHPE LLC OR ITS CONTRACTOR SHALL STORE MATERIALS SO AS TO PREVENT TRESPASSERS FROM CAUSING DAMAGE TO TRAINS, OR CSX PROPERTY. WHENEVER WORK IS LIKELY TO AFFECT THE OPERATIONS OR SAFETY OF TRAINS, AN APPROVAL OF THE METHOD OF WORK BY CSXT OR ITS REPRESENTATIVE SHALL NOT RELIEVE CHPE LLC OR ITS CONTRACTOR FROM LIABILITY IN CONNECTION WITH SUCH WORK.
- 2.b. IF CONDITIONS ARISING FROM OR IN CONNECTION WITH THE PROJECT REQUIRE THAT IMMEDIATE AND UNUSUAL PROVISIONS BE MADE TO PROTECT TRAIN OPERATIONS OR CSX'S PROPERTY, CHPE LLC OR ITS CONTRACTOR SHALL MAKE SUCH PROVISION IN COORDINATION WITH CSXT OR ITS REPRESENTATIVE. IF THE CSX REPRESENTATIVE DETERMINES THAT SUCH PROVISIONS IS INSUFFICIENT, CSX MAY, AT THE EXPENSE OF CHPE LLC OR ITS CONTRACTOR, REQUIRE OR PROVIDE SUCH PROVISION AS MAY BE DEEMED NECESSARY, OR CAUSE THE WORK TO CEASE IMMEDIATELY.
- 2.c. SHOULD WORK ACTIVITIES BE REQUIRED WITHIN CSX PROPERTY OR RIGHT-OF-WAY, THE CONTRACTOR SHALL REQUEST CSX TO LOCATE ANY BURIED UTILITIES OR FACILITIES (AIR LINES, WELLS, ETC.) A WRITTEN REQUEST SHALL BE DELIVERED TO THE CSX REPRESENTATIVE AT LEAST FIVE (5) DAYS IN ADVANCE. THE TRADITIONAL "ONE CALL" UTILITY LOCATE SERVICES ARE NOT RESPONSIBLE FOR LOCATING ANY CSX UNDERGRADE UTILITIES OR FACILITIES. IT IS THE RESPONSIBILITY OF THE CHPE LLC OR ITS CONTRACTOR TO COORDINATE WITH CSXT OR ITS REPRESENTATIVE TO LOCATE ANY UNDERGRADE CSXT UTILITIES OR FACILITIES.
- 3. INSURANCE:

THE CONTRACTOR SHALL NOT BE PERMITTED TO WORK ON, OR HAVE POTENTIAL TO FOUL, CSX PROPERTY OR RIGHT-OF-WAY UNTIL IT HAS COMPLIED WITH THE FOLLOWING CONDITIONS:

- 3.a. NOTIFY CSX IN WRITING OF THE DATE THAT IT INTENDS TO COMMENCE WORK ON THE PROJECT. SUCH NOTICE MUST BE RECEIVED BY CSX AT LEAST TEN (10) BUSINESS DAYS IN ADVANCE OF THE DATE CHPE LLC OR ITS CONTRACTOR PROPOSES TO BEGIN WORK ON CSX PROPERTY. THE NOTICE MUST REFER TO THIS AGREEMENT BY DATE. IF FLAGGING SERVICE IS REQUIRED, SUCH NOTICE SHALL BE SUBMITTED AT LEAST THIRTY (30) BUSINESS DAYS IN ADVANCE OF THE DATE SCHEDULED TO COMMENCE THE WORK.
- 3.b. OBTAIN AUTHORIZATION, THROUGH THE NOTICE TO PROCEED, FROM THE CSX REPRESENTATIVE TO BEGIN WORK ON CSX PROPERTY. ONCE AUTHORIZATION IS GIVEN, CHPE LLC OR CONTRACTOR SHALL PROVIDE A DETAILED SCHEDULE TO INCLUDE MEANS AND METHODS FOR REVIEW, COMMENT AND/OR APPROVAL PRIOR TO COMMENCEMENT OF WORK. CSX WILL IN TURN PROVIDE DIRECTION REGARDING SPECIFIC CONDITIONS WITH WHICH IT MUST COMPLY.
- 3.c. OBTAIN FROM CSX THE NAMES, ADDRESSES AND TELEPHONE NUMBERS OF CSX'S PERSONNEL WHO MUST RECEIVE NOTICE UNDER PROVISIONS IN THE AGREEMENT. WHERE MORE THAN ONE INDIVIDUAL IS DESIGNATED, THE AREA OF RESPONSIBILITY OF EACH SHALL BE SPECIFIED.
- 4. WORK FOR THE BENEFIT OF THE CONTRACTOR:
- 4.a. UNLESS OTHERWISE AGREED UPON, CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COSTS AND PERMIT REQUIREMENTS FOR RELOCATION OR MODIFICATION OF EXISTING THIRD PARTY FACILITIES.
- 4.b. SHOULD CHPE LLC OR CONTRACTOR DESIRE ANY CHANGES IN ADDITION TO THE ABOVE, THEN IT SHALL MAKE SEPARATE ARRANGEMENTS WITH CSX FOR SUCH CHANGES TO BE ACCOMPLISHED AT THE CHPE LLC OR CONTRACTOR'S EXPENSE.
- 5. HAUL ACROSS RAILROAD:
- 5.a. IF CHPE LLC OR CONTRACTOR DESIRES ACCESS ACROSS CSX PROPERTY OR TRACKS AT OTHER THAN AN EXISTING AND OPEN PUBLIC ROAD CROSSING IN OR INCIDENT TO CONSTRUCTION OF THE PROJECT. THE CHPE LLC OR CONTRACTOR MUST FIRST OBTAIN THE PERMISSION OF CSX AND SHALL EXECUTE AN AGREEMENT, WHEREIN CHPE LLC OR CONTRACTOR AGREES TO BEAR ALL COSTS AND LIABILITIES RELATED TO SUCH ACCESS.
- TEMPORARY CONSTRUCTION HAUL ROADS ACROSS CSX TRACKS WILL REQUIRE A SEPARATE APPLICATION AND PAYMENT TO CSX PROPERTY SERVICES. AGREEMENT EXTENSIONS REQUIRE ADDITIONAL PAYMENT. ACTUAL COST IS VARIABLE AND PROJECT SPECIFIC. ADDITIONAL INFORMATION CAN BE FOUND AT THIS
- 5.c. CHPE LLC AND CONTRACTOR SHALL NOT CROSS CSX'S PROPERTY AND TRACKS WITH VEHICLES OR EQUIPMENT OF ANY KIND OR CHARACTER, EXCEPT AT SUCH CROSSING OR CROSSINGS AS MAY BE PERMITTED PURSUANT TO THIS SECTION.
- 6. COOPERATION AND DELAYS
- 6.a. CHPE LLC OR CONTRACTOR SHALL ARRANGE A SCHEDULE WITH CSX FOR ACCOMPLISHING STAGE CONSTRUCTION INVOLVING WORK BY CSX. IN ARRANGING ITS SCHEDULE, CHPE LLC OR CONTRACTOR SHALL ASCERTAIN, FROM CSX. THE LEAD TIME REQUIRED FOR ASSEMBLING CREWS AND MATERIALS AND SHALL MAKE DUE ALLOWANCE THEREFORE.
- 6.b. CHPE LLC OR CONTRACTOR MAY NOT CHARGE ANY COSTS OR SUBMIT ANY CLAIMS AGAINST CSX FOR HINDRANCE OR DELAY CAUSE BY RAILROAD TRAFFIC; WORK DONE BY CSX OR OTHER DELAY INCIDENT TO OR NECESSARY FOR SAFE MAINTENANCE OF RAILROAD TRAFFIC; OR FOR ANY DELAYS DUE TO COMPLIANCE WITH THESE SPECIAL PROVISIONS.
- 6.c. CHPE LLC AND CONTRACTOR SHALL COOPERATE WITH OTHERS PARTICIPATING IN THE CONSTRUCTION OF THE PROJECT TO THE END THAT ALL WORK MAY BE CARRIED ON TO THE BEST ADVANTAGE.
- 6.d. CHPE LLC AND CONTRACTOR UNDERSTAND AND AGREE THAT CSX DOES NOT ASSUME ANY RESPONSIBILITY FOR WORK PERFORMED BY OTHERS IN CONNECTION WITH THE PROJECT. CHPE LLC AND CONTRACTOR FURTHER UNDERSTAND AND AGREE THAT THEY SHALL HAVE NO CLAIM WHATSOEVER AGAINST CSX FOR ANY INCONVENIENCE, DELAY OR ADDITIONAL COST INCURRED BY CHPE LLC OR CONTRACTOR ON ACCOUNT OF OPERATIONS BY OTHERS.







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

7. STORAGE OF MATERIALS AND EQUIPMENT:

7.a. CHPE LLC AND CONTRACTOR SHALL NOT STORE THEIR MATERIALS OR EQUIPMENT ON CSX'S PROPERTY OR WHERE THEY MAY POTENTIALLY INTERFERE WITH CSX'S OPERATIONS, UNLESS CHPE LLC OR CONTRACTOR HAS RECEIVED CSX REPRESENTATIVE'S PRIOR WRITTEN PERMISSION. CHPE LLC AND CONTRACTOR UNDERSTAND AND AGREE THAT CSX WILL NOT BE LIABLE FOR ANY DAMAGE TO SUCH MATERIALS AND EQUIPMENT FROM ANY CAUSE AND THAT CSX MAY MOVE, OR REQUIRE CHPE LLC OR CONTRACTOR TO MOVE, SUCH MATERIAL AND EQUIPMENT AT CHPE LLC'S OR CONTRACTOR'S SOLE EXPENSE. TO MINIMIZE THE POSSIBILITY OF DAMAGE TO THE RAILROAD TRACKS RESULTING FROM THE UNAUTHORIZED USE OF EQUIPMENT, ALL GRADING OR OTHER CONSTRUCTION EQUIPMENT THAT IS LEFT PARKED NEAR THE TRACKS UNATTENDED BY WATCHMEN SHALL BE IMMOBILIZED TO THE EXTENT FEASIBLE SO THAT IT CANNOT BE MOVED BY UNAUTHORIZED. PERSONS.

8. CONSTRUCTION PROCEDURES

GENERAL

- 8.a. CONSTRUCTION WORK ON CSX PROPERTY SHALL BE SUBJECT TO CSX'S INSPECTION AND APPROVAL.
- 8.b. CONSTRUCTION WORK ON CSX PROPERTY SHALL BE IN ACCORD WITH CSX'S CONSTRUCTION SUBMISSION CRITERIA, LATEST EDITION AND CSX'S WRITTEN OUTLINE OF SPECIFIC CONDITIONS AND WITH THESE SPECIAL PROVISIONS.
- 8.c. CONTRACTOR SHALL OBSERVE THE TERMS AND RULES OF THE CSX SAFE WAY MANUAL, WHICH CHPE LLC AND CONTRACTOR SHALL BE REQUIRED TO OBTAIN FROM CSX, AND IN ACCORD WITH ANY OTHER INSTRUCTIONS FURNISHED BY CSX OF CSX'S REPRESENTATIVE. FAILURE TO COMPLY WITH THE TERMS OF THE AGREEMENT AND CSX RULES CAN RESULT IN MANDATORY RAILROAD WORKER PROTECTIVE TRAINING FOR THE CHPE LLC, CONTRACTOR AND ITS SUBCONTRACTORS.

BLASTING

- 8.d. CHPE LLC OR CONTRACTOR SHALL OBTAIN CSX REPRESENTATIVE'S AND CHPE LLC REPRESENTATIVES PRIOR WRITTEN APPROVAL FOR USE OF EXPLOSIVES ON OR ADJACENT TO CSX PROPERTY. IF PERMISSION FOR USE OF EXPLOSIVES IS GRANTED, CHPE LLC OR CONTRACTOR MUST COMPLY WITH THE FOLLOWING CODE:
- BLASTING SHALL BE DONE WITH LIGHT CHARGES UNDER THE DIRECT SUPERVISION OF A RESPONSIBLE OFFICER OR EMPLOYEE OF CHPE LLC OR CONTRACTOR
- ELECTRIC DETONATING FUSES SHALL NOT BE USED BECAUSE OF THE POSSIBILITY OF PREMATURE EXPLOSIONS RESULTING FROM OPERATION OF TWO-WAY TRAIN RADIOS.
- NO BLASTING SHALL BE DONE WITHOUT THE PRESENCE OF AN AUTHORIZED REPRESENTATIVE OF CSX. AT LEAST THIRTY (30) DAYS' ADVANCE NOTICE TO CSX REPRESENTATIVES IS REQUIRED TO ARRANGE FOR THE PRESENCE OF AN AUTHORIZED CSX REPRESENTATIVE AND ANY FLAGGING THAT CSX MAY REQUIRE.
- 8.d.4. CHPE LLC OR CONTRACTOR MUST HAVE AT THE PROJECT SITE ADEQUATE EQUIPMENT, LABOR AND MATERIALS, AND ALLOW SUFFICIENT TIME TO (1) CLEAN UP (AT CHPE LLC'S EXPENSE) DEBRIS RESULTING FROM THE BLASTING WITHOUT ANY DELAY TO TRAINS; AND (2) CORRECT (AT CHPE LLC'S EXPENSE) ANY TRACK MISALIGNMENT OR OTHER DAMAGE TO CSX'S PROPERTY RESULTING FROM THE BLASTING, AS DIRECTED BY CSX REPRESENTATIVE, WITHOUT DELAY TO TRAINS. IF CHPE LLC'S OR CONTRACTOR'S ACTIONS RESULT IN DELAY OF ANY TRAINS, INCLUDING AMTRAK PASSENGER TRAINS, CHPE LLC SHALL BEAR THE ENTIRE COST THEREOF.
- CHPE LLC AND CONTRACTOR SHALL NOT STORE EXPLOSIVES ON CSX PROPERTY. 8.d.5.

9. CSX REPRESENTATIVE WILL

- 9.a. DETERMINE THE APPROXIMATE LOCATION OF TRAINS AND ADVISE CHPE LLC OR CONTRACTOR OF THE APPROXIMATE AMOUNT OF TIME AVAILABLE FOR THE BLASTING OPERATION AND CLEAN-UP.
- 9.b. HAVE THE AUTHORITY TO ORDER DISCONTINUANCE OF BLASTING IF, IN HIS OR HER OPINION, BLASTING IS TOO HAZARDOUS OR IS NOT IN ACCORD WITH THESE SPECIAL PROVISIONS.

10. ENVIRONMENTAL

- 10.a. SHOULD SOIL EXCAVATION WITHIN CSX PROPERTY BE ANTICIPATED AND SAID SOILS CANNOT REMAIN ON CSX PROPERTY DURING AND AFTER CONSTRUCTION. THEN CSX ENVIRONMENTAL MUST BE CONTACTED AT LEAST THIRTY (30) DAYS IN ADVANCE OF THE WORK IN ORDER TO SCHEDULE SAMPLING, CLASSIFICATION AND DISPOSITION OF MATERIAL. EXCAVATED MATERIAL IS PROHIBITED FROM BEING REMOVED FROM CSX PROPERTY, OR RIGHTS-OF-WAY, WITHOUT EXPRESSED WRITTEN DIRECTION FROM CSX. SHOULD FINAL DISPOSITION REQUIRE DISPOSAL OF EXCAVATED MATERIAL, CSX SHALL HAVE SOLE DISCRETION OF MEANS AND LOCATION OF SAID DISPOSAL. THE PROJECT SPONSOR OR CHPE LLC WILL BEAR ALL COSTS ASSOCIATED WITH SAMPLING, STAGING AND SUBSEQUENT DISPOSAL IF DEEMED NECESSARY. CONTRACTOR WILL BE REQUIRED TO OBTAIN ALL DISPOSAL TICKETS / DOCUMENTATION AND PROVIDE THE INFORMATION TO THE CSX REPRESENTATIVE. CSX WILL NOT BEAR ANY COSTS ASSOCIATED WITH THIS WORK.
- 10.b. ANY WASTE MATERIALS GENERATED BY THE PROJECT, INCLUDING BUT NOT LIMITED TO WASHING WITH CLEANING SOLVENTS, BLASTING. SCRAPING. BRUSHING AND PAINTING OPERATIONS. SHALL BE THE RESPONSIBILITY OF THE CHPE LLC OR ITS CONTRACTOR AND SHALL BE CONTAINED, COLLECTED AND PROPERLY DISPOSED OF BY THE CHPE LLC OR ITS CONTRACTOR. CHPE LLC AND ITS CONTRACTOR AGREE TO FULLY COMPLY WITH ALL FEDERAL, STATE, AND LOCAL ENVIRONMENTAL LAWS. REGULATIONS, STATUTES AND ORDINANCES AT ALL TIMES.

11. MAINTENANCE OF DITCHES ADJACENT TO CSX TRACKS

11.a. CHPE LLC OR CONTRACTOR SHALL MAINTAIN ALL DITCHES AND DRAINAGE STRUCTURES FREE OF SILT OR OTHER OBSTRUCTIONS THAT MAY RESULT FROM THEIR OPERATIONS. IN ADDITION, CHPE LLC OR CONTRACTOR SHALL MAINTAIN ALL CSX PROPERTY OR RIGHT-OF-WAY IMPACTED BY PROJECT OPERATIONS INCLUDING BUT NOT LIMITED TO: ACCESS OR HAUL ROADS, STAGING AREAS, PARKING LOTS IN A MANNER THAT PROVIDES CSX FREE AND CLEAR ACCESS TO FACILITIES. MATERIALS WHILE PROVIDING ACCEPTABLE DRIVING SURFACES FREE OF DRAINAGE IMPACTS OR REDUCED CSX CAPACITY. CHPE LLC OR CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES DURING CONSTRUCTION AND USE METHODS THAT ACCORD WITH APPLICABLE STATE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, INCLUDING EITHER (1) SILT FENCE; (2) HAY OR STRAW BARRIER; (3) BERM OF TEMPORARY DITCHES; (4) SEDIMENT BASIN; AGGREGATE CHECKS; AND (6) CHANNEL LINING. ALL SUCH MAINTENANCE AND REPAIR OF DAMAGES DUE TO CHPE LLC'S OR CONTRACTORS OPERATIONS SHALL BE PERFORMED AT CHPE LLC'S EXPENSE.

۷.	IRACK	PRU	IECI	IUN	/
	~~~		~ ~ ~		

SERVICE

- 13. UTILITY FACILITIES ON CSX PROPERTY

14. CLEAN-UP

15. FAILURE TO COMPLY

CURING SUCH FAILURE.

	IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY							-
			F	3/17/2023	FINAL SUBMISSION	RB	JL	-
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.		Е	01/24/2023	DRAFT FINAL SUBMISSION	RB	JL	1	
	PERMITTING	D	11/16/2022	PRELIMINARY DRAFT FINAL SUBMISSION	RB	JL	1	
		С	04/29/2022	60% DESIGN SUBMISSION	RB	JL	]	
		В	03/22/2022	PRELIMINARY DESIGN DEVELOPMENT	BV	TK	]	
		А	02/14/2022	PRELIMINARY PROGRESS	BV	TK		
			No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DF

#### 12 TRACK PROTECTION / INSPECTION SERVICE

12.a. CSX HAS SOLE AUTHORITY TO DETERMINE THE NEED FOR TRACK PROTECTION REQUIRED TO PROTECT ITS OPERATIONS AND PROPERTY. IN GENERAL, TRACK PROTECTION WILL BE REQUIRED WHENEVER CHPE LLC OR CONTRACTOR OR THEIR EQUIPMENT ARE, OR ARE LIKELY TO BE, WORKING WITHIN FIFTY (50) FEET OF LIVE TRACK OR OTHER TRACK CLEARANCES SPECIFIED BY CSX, OR OVER TRACKS.

12.b. CHPE LLC SHALL REIMBURSE CSX DIRECTLY FOR ALL COSTS OF TRACK PROTECTION THAT IS REQUIRED ON ACCOUNT OF CONSTRUCTION WITHIN CSX PROPERTY SHOWN IN THE PLANS, OR THAT IS COVERED BY AN APPROVED PLAN REVISION, SUPPLEMENTAL AGREEMENT OR CHANGE ORDER.

12.c. CHPE LLC OR CONTRACTOR SHALL GIVE A MINIMUM OF THIRTY (30) DAYS' ADVANCE NOTICE TO CSX REPRESENTATIVE FOR ANTICIPATED NEED FOR TRACK PROTECTION. NO WORK SHALL BE UNDERTAKEN UNTIL THE FLAG PERSON(S) IS/ARE AT THE JOB SITE. IF IT IS NECESSARY FOR CSX TO ADVERTISE A FLAGGING JOB FOR BID. IT MAY TAKE UP TO NINETY (90) DAYS TO OBTAIN THIS SERVICE AND CSX SHALL NOT BE LIABLE FOR THE COST OF DELAYS ATTRIBUTED TO OBTAINING SUCH

12.d. CSX SHALL HAVE THE RIGHT TO ASSIGN AN INDIVIDUAL TO THE SITE OF THE PROJECT TO PERFORM INSPECTION SERVICE WHENEVER. IN THE OPINION OF CSX REPRESENTATIVE. SUCH INSPECTION MAY BE NECESSARY. CHPE LLC SHALL REIMBURSE CSX FOR THE COSTS INCURRED BY CSX FOR SUCH INSPECTION SERVICE. INSPECTION SERVICE SHALL NOT RELIEVE CHPE LLC OR CONTRACTOR FROM LIABILITY.

12.e. CSX SHALL RENDER INVOICES FOR, AND CHPE LLC SHALL PAY FOR, THE ACTUAL PAY RATE OF THE FLAG PERSON(S) AND INSPECTORS USED, PLUS STANDARD ADDITIVES, WHETHER THAT AMOUNT IS ABOVE OR BELOW THE RATE PROVIDED IN THE ESTIMATE. IF THE RATE OF PAY THAT IS TO BE USED FOR INSPECTOR OR FLAGGING SERVICE IS CHANGED BEFORE THE WORK IS STARTED OR DURING THE PROGRESS OF THE WORK, WHETHER BY LAW OR AGREEMENT BETWEEN CSX AND ITS EMPLOYEES, OR IF THE TAX RATES ON LABOR ARE CHANGED, BILLS WILL BE RENDERED BY CSX AND PAID BY CHPE LLC USING THE NEW RATES AND CONTRACTOR SHALL PERFORM THEIR OPERATIONS THAT REQUIRE TRACK PROTECTION OR INSPECTION SERVICE IN SUCH A MANNER AND SEQUENCE THAT THE COST OF SUCH WILL BE AS ECONOMICAL AS POSSIBLE.

13.g. CHPE LLC SHALL ARRANGE, UPON APPROVAL FROM CSX, TO HAVE ANY UTILITY FACILITIES ON OR OVER CSX PROPERTY CHANGED AS MAY BE NECESSARY TO PROVIDE CLEARANCES FOR THE PROPOSED FACILITIES.

14.a. CHPE LLC OR CONTRACTOR, UPON COMPLETION OF THE PROJECT, SHALL REMOVE AND DISPOSE FROM CSX'S PROPERTY ANY TEMPORARY CONSTRUCTION WORK, ANY TEMPORARY EROSION CONTROL MEASURES USED TO CONTROL DRAINAGE, ALL MACHINERY, EQUIPMENT, SURPLUS MATERIALS, FALSEWORK, RUBBISH, OR TEMPORARY BUILDINGS BELONGING TO CHPE LLC OR CONTRACTOR. CHPE LLC OR CONTRACTOR, UPON COMPLETION OF THE PROJECT, SHALL LEAVE CSX PROPERTY IN KIND OR BETTER CONDITION, SATISFACTORY TO THE CSX REPRESENTATIVE.

15.a. IF CHPE LLC OR CONTRACTOR VIOLATE OR FAIL TO COMPLY WITH ANY OF THE REQUIREMENTS OF THESE SPECIAL PROVISIONS, (A) CSX MAY REQUIRE CHPE LLC AND/OR CONTRACTOR TO VACATE CSX PROPERTY; AND (B) CSX MAY WITHHOLD MONIES DUE CHPE LLC AND/OR CONTRACTOR; (C) CSX MAY REQUIRE CHPE LLC TO WITHHOLD MONIES DUE CONTRACTOR; AND (D) CSX MAY CURE SUCH FAILURE AND THE CHPE LLC SHALL REIMBURSE CSX FOR THE COST OF



PACKAGE SPECIFIC NOTES	G-002.2
	DRAWING NO.
	204-3701
SEGMENT 11 (PACKAGE 7A) - CSX ⁺ CATSKILL	TT PROJECT NO.
UNAMPLAIN NUUSUN PUWER EAPRESS	21162
	KIEWIT PROJECT NO.

AWN BY: RB DESIGNED BY: AC APPROVED BY: JL REV. NO.

AS SHOWN DAT F SH NO. 03/17/2023

OF

Ρ	EXIST. FIBER OPTIC LINE PEDESTAL
DH	EXIST. FIBER OPTIC LINE DOGHOUSE
MH	EXIST. FIBER OPTIC LINE MANHOLE
V	EXIST. FIBER OPTIC LINE VAULT
BP	EXIST. FIBER OPTIC LINE BORE PIT
LB	EXIST. FIBER OPTIC LOCK BOX
+₩	EXIST. GROUND ROD
FIBER Ø MARK	EXIST. FIBER OPTIC MARKER POST
FIBER BOX	EXIST. FIBER OPTIC BOX
(100)	EXIST. FIBER STORAGE
-Q- ^{HYD}	EXIST. FIRE HYDRANT
$\otimes^{WV}$	EXIST. WATER VALVE
Ŵ	EXIST. WATER MANHOLE
WATER ∳ MARK	EXIST. WATER MARKER
S	EXIST. SANITARY SEWER MANHOLE
	EXIST. SANITARY SEWER VENT
ଣ	EXIST. STORM SEWER MANHOLE
CB	EXIST. STORM SEWER CATCH BASIN
< ^{INV.}	
[°]	
	EXIST. GAS MANNOLL
	EXIST. GAS MADEED
VENT	EXIST. GAS MARKER
*	EXIST. GAS FIFELINE VENT
۲۰۲ م ^{UP}	
φ φ ^{PP}	
γ	EXIST. ELEC. PULE
©	EXIST. TRAFFIC LIGHT
	EXIST. ELEC. METER
	EXIST. ELEC. MANHOLE
	EXIST. ELEC. TRANSFORMER
	EXIST. ELEC. VAULT
	EXIST. ELEC. HANDHULE
P   ELEC	EXIST. ELEC. PEDESTAL/BOX
♦ MARK	EXIST. ELEC. MARKER POST
	EXIST. ELEC. GUY ANCHOR/WIRE
	EXIST. TELE. RISER/BOX
	EXIST. TELE. MANHOLE
	EXIST. TELE. HANDHOLE
	EXIST. TELE. VAULT
	EXIST. TELE. PEDESTAL
	EXIST. TELE. DOGHOUSE
• MARK	EXIST. TELE. MARKER POST
	EXIST. TELE. JUNCTION BOX
ТВ	EXIST. TRAFFIC SIGNAL BOX
<b>ૻ૾ૢૻ</b>	EXIST. CELL TOWER
С <b>ң</b>	EXIST. CABLE BOX
	EXISTING MANHOLE UNKNOWN
U	EXISTING UTILITY BOX UNKNOWN
۵	EXISTING ANTENNA
	EXISTING CAPPED IRON ROD
	EXISTING IRON PIPE
	EXISTING CONCRETE MONUMENT
$\odot^{POSI}$	EXISTING POST
¢	EXISTING REFLECTOR MARKER
	EXISTING SYMBOL

EXIST. FIBER OPTIC LINE HANDHOLE

HH

۲	EXIST. STRUCTURE POST
Δ	EXIST. STRUCTURE MAILBOX
cccc	EXIST. GAS LINE
	EXIST. UNDERGROUND TELE.
F0 F0 F0 F0	EXIST. FIBER OPTIC
TO TO TO	EXIST. OVERHEAD TELE.
	EXIST. UNDERGROUND ELEC.
	EXIST. OVERHEAD ELEC.
ST ST ST ST ST	EXIST. CULVERT
<u> </u>	EXIST. SANITARY SEWER
ST ST ST ST ST	EXIST. STORM SEWER
	EXIST. POTABLE WATER LINE
FUEL FUEL	EXIST. FUEL LINE
	EXIST. RAILROAD TRACK
© CERTIFIED ROUTE	CERTIFIED ROUTE PROVIDED BY C
RANDALL PREFERRED	RANDALL PREFERRED PROVIDED E
	EXIST. CONTOUR, INDEX
	EXIST. CONTOUR, DEPRESSION INE
	EXIST. CONTOUR, INTERMEDIATE
	EXIST. CONTOUR, DEPRESSION IN
×1139.7	EXIST. SPOT ELEVATION
	EXIST. DEBRIS
	EXIST. FIELD LINE
	EXIST. LANDSCAPE AREA
	EXIST. PILE
	EXIST. STORAGE AREA
$\odot$	EXIST. NATURAL BOULDER
·····	EXIST. NATURAL SHRUB LINE
	EXIST. NATURAL TREE LINE
$\bigcirc \bigcirc \circ$	EXIST. NATURAL SINGLE TREE,
	EXIST. STRUCTURAL BUILDING
	EXIST. PAVED DRIVE
	EXIST. PAVED ROAD
	EXIST. PAVED SHOULDER
	EXIST. PAVED SIDEWALK
0 0 0 0 0	EXIST. GUARDRAIL
	EXIST. TRAIL
x x	EXIST. FENCE
	EXIST. WALL
	EXIST. RETAINING WALL
	EXIST. MILEPOST NUMBER
I	EXIST. MAPPING BOUNDARY
A 154.3550 202	EXIST. GROUND CONTROL
	EXIST. RIGHT-OF-WAY
	EXIST. ABUTTER

SIGN

#### NOTES:

1. LIMIT OF WORK (LOW) - THE BOUNDARY IN WHICH ALL CONSTRUCT STOCKPILES MATERIAL, EQUIPMENT STORAGE, ACCESS, PARKING, GR LANDSCAPING, RESTORATION, AND ANY OTHER CONSTRUCTION RELA SHALL OCCUR. ADDITIONALLY, THE LOW IS THE BOUNDARY FOR ALL POTENTIAL DISTURBANCE DURING CONSTRUCTION. UNLESS OTHERWISE SPECIFIED, WHEN THE LIMIT OF CLEARING AND GRUBBING IS SHOWN ON THE PLANS, IT SHALL ALSO BE THE LOW. THE LOW INCLUDES THE AREA THAT WOULD BE CONSIDERED THE LIMIT OF DISTURBANCE (LOD).







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

EXISTING SIGN

#### 2

## LEGEND & ABBREVIATIONS

NG SIGN		EXIST. WETLANDS
STRUCTURE POST	THAT	PEM – PALUSTRINE EMERGENT
STRUCTURE MAILBOX		PSS – PALUSTRINE SCRUB-SHRUB
GAS LINE		PFO – PALUSTRINE FORESTED
UNDERGROUND TELE.		PUB – PALUSTRINE UNCONSOLIDATED BOTTOM
FIBER OPTIC	<b>* * *</b>	L1 – LACUSTRINE LIMNETIC
OVERHEAD TELE.		L2 – LACUSTRINE LITTORAL
UNDERGROUND ELEC.		NYSDEC FWW 100-FOOT ADJACENT BUFFER AREA
OVERHEAD ELEC.		ESTIMATED WETLAND BOUNDARY
CULVERT		ESTIMATED AGRICULTURAL LAND BOUNDARY
SANITARY SEWER		VEG. CLEARING
STORM SEWER		
POTABLE WATER LINE		
FUEL LINE		1% ANNUAL CHANCE FLOODWAY BOUNDARY
RAILROAD TRACK		0.2% ANNUAL CHANCE FLOODWAY BOUNDARY
IED ROUTE PROVIDED BY CHPE KMZ		JD BOUNDARY
LL PREFERRED PROVIDED BY CHPE KMZ		PROP. WETLAND PROTECTION FENCE
CONTOUR, INDEX	<i>FS</i>	PROP. COMPOST FILTER SOCK (OR SILT SOCK)
CONTOUR, DEPRESSION INDEX	———————————————————————————————————————	PROP. TEMP MAJOR CONTOUR
CONTOUR, INTERMEDIATE		PROP. TEMP MINOR CONTOUR
CONTOUR, DEPRESSION INTERMEDIATE		PROP. LIMITS OF WORK/DISTURBANCE
SPOT ELEVATION		PROP. LIMITS OF CLEARING/LIMITS OF WORK IN CLEARING AREAS
DEBRIS		PROP. CONCRETE WASHOUT
FIELD LINE		PROP. TEMP ACCESS ROAD RTE (EXISTING ROAD OR SURFACE)
LANDSCAPE AREA		PROP. TEMP REFURBISHED ACCESS ROAD
PILE		PROP. TEMP ACCESS ROAD OR OFF SITE ACCESS ROAD
STORAGE AREA		PROP. TEMP TIMBER MATTING OR TEMP GEOTEXTILE FABRIC AND STONE
NATURAL BOULDER		(SEE DETAILS T&Z/C=0XX)
NATURAL SHRUB LINE		PROP. MILLING & RESURFACING
NATURAL TREE LINE	ن <u>ــــ</u>	PROP. SPLICE LOCATION
NATURAL SINGLE TREE/BUSH		PROP. SPLICE VAULT
STRUCTURAL BUILDING		PROP. LINK BOX HANDHOLE
PAVED DRIVE		PROP. FIBER SPLICE HANDHOLE
PAVED ROAD	<del>\$</del>	PROP. BORING LOCATION
PAVED SHOULDER	XXXXX+XX	PROP. ALIGNMENT STATIONING
PAVED SIDEWALK		PROP. ALIGNMENT CENTERLINE
GUARDRAIL		PROP. LAYDOWN YARDS, PARKING, STORAGE & MUSTER AREA
TRAIL		PROP. WORK AREAS
FENCE	ا <u>ــــ</u> ا	7' FOLL ZONE NO VEHICLES MATERIALS DISTURBANCE
WALL		PERSONNEL, OR WORK SHALL ENCROACH THE ZONE WITHIN 7FT
RETAINING WALL		OF THE NEAREST RAIL WITHOUT CSX COORDINATION AND APPROVAL
MILEPOST NUMBER	~~~~~	PROP. TEMP SHORING/SHEETING
MAPPING BOUNDARY		PROP. TEMP FASEMENT
GROUND CONTROL		
RIGHT-OF-WAY		PROP. PERM EASEMENT
ABUTTER		PROP. TEMP ACCESS EASEMENT
	_SL PM	SPLICE LOCATION POLE MARKER
	UPC PM ♦	UNDERGROUND FOWER GADLE FULE MARKER
AGE, ACCESS, PARKING, GRADING, THER CONSTRUCTION RELATED ACTIVITIES	$\boxtimes$	PROP. TRANSITION BOX MANHOLE

			1					$\square$
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		F	3/17/2023	FINAL SUBMISSION	RB	JL		
		E	01/24/2023	DRAFT FINAL SUBMISSION	RB	JL		
	PERMITTING	D	11/16/2022	PRELIMINARY DRAFT FINAL SUBMISSION	RB	JL		
		С	04/29/2022	60% DESIGN SUBMISSION	RB	JL		
		В	03/22/2022	PRELIMINARY DESIGN DEVELOPMENT	BV	ΤK		
	SPECIFIC DESCRIPTION OF THE ALTERATION.		Α	02/14/2022	PRELIMINARY PROGRESS	BV	ΤK	
			No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	D

APPROVED

APP

CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
DB	DESIGNED BY
DEC	NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DEG	DEGREES
DR	DRIVE
	DEVIATION ZONE
F	EASTING
FIBER	
FT	FEET
GAS	GAS PIPE
Н	HORIZONTAL
HDD	HORIZONTAL DIRECTIONAL DRILLING
HVDC	HIGH-VOLTAGE DIRECT CURRENT TRANSMISSION LINE
INV	INVERT ELEVATION
LOW	LIMITS OF WORK
LT	LEFT
MAX	MAXIMUM
MIN	МІЛІМИМ
Ν	NORTHING
NO	NUMBER
NY	NEW YORK
NYCDEP	NEW YORK CITY DEPT. OF ENVIRONMENT PROTECTION
NYCDOT	NEW YORK CITY DEPT. OF TRANSPORTATION
NYDPR	NEW YORK CITY DEPT. OF PARKS AND RECREATION
P#	PACKAGE #
PERM	PERMANENT
PROP.	PROPOSED
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
REV	PEVISION
SEWER	SANITARY SEWER PIPE
SH	SHEET
51	SIREE
SIA	STATION
	STURM DRAIN PIPE
IELECOM	TELECOMMUNICATIONS CABLE
TEMP	TEMPORARY
TR	THERMAL RESISTIVITY
TYP	TYPICAL
V	VERTICAL
WATER	WATERLINE

CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 11 (PACKAGE 7A) - CSX: CATSKILL LEGEND & ABBREVIATIONS

KIEWIT PROJECT NO. 21162 TT PROJECT NO. 204-3701

A

DRAWING NO. **G-003** 

03/17/2023 OF

SCALE DRAWN BY: RB DESIGNED BY: AC APPROVED BY: JL REV. NO.











![](_page_6_Figure_7.jpeg)

![](_page_6_Figure_8.jpeg)

BEGIN HDD 118

__BEGIN HDD 119 _____SEE C-319 & C-319.2

BEGIN HDD 120

- TEMP OFF-SITE ACCESS RD SEE C-202

SEE C-320 & C-320.2

SEE C-318 & C-318.2

-HUDSON RIVER

SEE C-201

TEMP OFF-SITE ACCESS RD

BEGIN HDD 111.B

SEE C-313 & C-313.2

BEGIN HDD 115 HWY 23

SEE C-201

SEE C-315 & C-315.2

SEE C-317 & C-317.2

TEMP OFF-SITE ACCESS RD

CATSKILL

BEGIN HDD 117

SEE C-311.B & C-311.B.2

SPLICE VAULT 232 STA: 70074+83

LONG: W73° 51' 31"

SPLICE LOCATION 233 STA: 70105+88 SPLICE LOCATION 234 STA: 70129+35

SPLICE LOCATION 235 STA: 70151+18

SPLICE LOCATION 236 STA: 70170+75

SPLICE LOCATION 237______ STA: 70203+13

SPLICE LOCATION 238 STA: 70234+06

PACKAGE 7A ALIGNMENT -

- TEMP OFF-SITE ACCESS RD SEE C-202

SPLICE LOCATION 240_ STA: 70298+02

STATE ROUTE 9-

SPLICE LOCATION 242 STA: 70359+87

SPLICE LOCATION 243_ STA: 70390+91

HWY 87 -

- TEMP OFF-SITE ACCESS RD SEE C-202 _BEGIN HDD 122 SEE C-322 & C-322.2 TEMP OFF-SITE ACCESS RD SEE C-202

_BEGIN HDD 123 SEE C-323 & C-323.2 CSX TRANSPORTATION RIVER SUBDIVISION

-MP 104.55 LAT: N42° 09' 05.00" LONG: W73° 55' 15.00"

END PACKAGE 7A STA. 70454+13

SPLICE LOCATION 244_ STA: 70422+86

TRANSITION VAULT 2 STA: 70453+92

PLAN AND PROFILE KEY MAP SCALE: 1" = 2500'

	IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY		F	3/17/2023	FINAL SUBMISSION	RB	JL	
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		Е	01/24/2023	DRAFT FINAL SUBMISSION	RB	JL	]	
	ISSUED FUR	D	11/16/2022	PRELIMINARY DRAFT FINAL SUBMISSION	RB	JL	]	
	PERMITTING	С	04/29/2022	60% DESIGN SUBMISSION	RB	JL	]	
		В	03/22/2022	PRELIMINARY DESIGN DEVELOPMENT	BV	TK	]	
	SPECIFIC DESCRIPTION OF THE ALTERATION.		А	02/14/2022	PRELIMINARY PROGRESS	BV	TK	
		No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP		

						0	2000 Scale in fee	4000 et
							KIEWIT P	ROJECT NO.
	CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 11 (PACKAGE 7A) - CSX: CATSKILL							1162 DJECT NO.
		PLA	N A Ki	ND PROFILE EY MAP			DRAV	004
RAWN BY:	RB	DESIGNED BY:	AC	APPROVED BY: JL	SCALE REV. NO.	AS SHOWN F	DATE SH.NO.	03/17/202 OF

![](_page_7_Picture_0.jpeg)

![](_page_7_Picture_1.jpeg)

![](_page_7_Picture_2.jpeg)

DESCRIPTION LINK BOX HANDHOLE 230 LINK BOX HANDHOLE 235 LINK BOX HANDHOLE 239

LINK BOX HANDHOLE 243

	SPLICE LOCATION TABLE								
DESCRIPTION	SHEET	STATION	LAT	LONG	NORTHING	EASTING			
SPLICE LOCATION 230	C-102	70019+35	42.23952207	-73.86098615	1241467.8	665151.6			
SPLICE LOCATION 231	C-105	70051+32	42.23126701	-73.86457524	1238452.5	664202.2			
SPLICE VAULT 232	C-106	70074+83	42.22925888	-73.87014896	1237709.5	662698.2			
SPLICE LOCATION 233	C-107.1	70105+88	42.22155676	-73.87347294	1234896.3	661818.6			
SPLICE LOCATION 234	C-110	70129+35	42.21695356	-73.87947651	1233207.0	660204.8			
SPLICE LOCATION 235	C-111	70151+18	42.21302412	-73.88545123	1231763.4	658596.7			
SPLICE LOCATION 236	C-112	70170+75	42.20846940	-73.88927164	1230096.3	657573.7			
SPLICE LOCATION 237	C-114	70203+13	42.20098920	-73.89568285	1227358.2	655856.2			
SPLICE LOCATION 238	C-116	70234+06	42.19373262	-73.90152068	1224702.8	654293.1			
SPLICE LOCATION 239	C-118	70266+24	42.18589908	-73.90692420	1221838.1	652848.7			
SPLICE LOCATION 240	C-120	70298+02	42.17781463	-73.91111421	1218884.4	651733.6			
SPLICE LOCATION 241	C-122	70327+90	42.17015118	-73.91431335	1216085.9	650885.7			
SPLICE LOCATION 242	C-125	70359+87	42.16188059	-73.91764135	1213066.0	650004.1			
SPLICE LOCATION 243	C-127	70390+91	42.15358558	-73.92024477	1210038.6	649318.8			
SPLICE LOCATION 244	C-129	70422+86	42.14565391	-73.91827003	1207152.1	649874.0			
TV-2 (CEMENTON)	C-131	70453+92	42.14422870	-73.90793293	1206652.0	652680.7			

	FIBER SPLICE HANDHOLE TABLE									
DESCRIPTION	SHEET	STATION	LAT	LONG	NORTHING	EASTING				
FIBER HANDHOLE 230	C-102	70019+13	42.23957304	-73.86093201	1241486.5	665166.1				
FIBER HANDHOLE 231	C-105	70051+09	42.23132291	-73.86453077	1238472.9	664214.1				
FIBER HANDHOLE 233	C-107.1	70105+66	42.22158172	-73.87339231	1234905.5	661840.4				
FIBER HANDHOLE 234	C-110	70129+13	42.21697694	-73.87939504	1233215.7	660226.8				
FIBER HANDHOLE 235	C-111	70150+96	42.21306837	-73.88538729	1231779.7	658613.9				
FIBER HANDHOLE 236	C-112	70170+53	42.20851027	-73.88920377	1230111.3	657592.0				
FIBER HANDHOLE 237	C-114	70202+91	42.20102956	-73.89561447	1227373.0	655874.6				
FIBER HANDHOLE 238	C-116	70233+84	42.19376773	-73.90144721	1224715.8	654312.9				
FIBER HANDHOLE 239	C-118	70266+02	42.18596388	-73.90691858	1221861.7	652850.1				
FIBER HANDHOLE 240	C-120	70297+80	42.17787932	-73.91110694	1218908.0	651735.4				
FIBER HANDHOLE 241	C-122	70327+68	42.17021487	-73.91433024	1216109.1	650880.9				
FIBER HANDHOLE 242	C-125	70359+65	42.16193341	-73.91759057	1213085.4	650017.7				
FIBER HANDHOLE 243	C-127	70390+69	42.15364885	-73.92026427	1210061.6	649313.4				
FIBER HANDHOLE 244	C-129	70422+64	42.14565740	-73.91835714	1207153.2	649850.3				

LINK BOX HANDHOLE TABLE						
SHEET	STATION LAT		LONG	NORTHING	EASTING	
C-102	70019+38	42.23950296	-73.86094389	1241460.9	665163.1	
C-111	70151+21	42.21300151	-73.88541225	1231755.3	658607.3	
C-118	70266+21	42.18592070	-73.90696417	1221845.9	652837.9	
C-127	70390+90	42.15359462	-73.92029164	1210041.8	649306.1	

								]
	IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY		F	3/17/2023	FINAL SUBMISSION	RB	JL	1
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.		Е	01/24/2023	DRAFT FINAL SUBMISSION	RB	JL	1	
	PERMITTING	D	11/16/2022	PRELIMINARY DRAFT FINAL SUBMISSION	RB	JL	1	
		С	04/29/2022	60% DESIGN SUBMISSION	RB	JL	1	
		В	03/22/2022	PRELIMINARY DESIGN DEVELOPMENT	BV	ΤK	1	
		А	02/14/2022	PRELIMINARY PROGRESS	BV	ΤK	1	
			No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DF

CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 11 (PACKAGE 7A) - CSX: CATSKILL SPLICE LOCATION, FIBER HANDHOLE AND LINK BOX HANDHOLE TABLES

KIEWIT PROJECT NO. 21162 TT PROJECT NO. 204-3701 DRAWING NO.

**G-005** 

DRAWN BY: RB DESIGNED BY: AC APPROVED BY: JL SCALE REV. NO.

AS SHOWN DATE F SH.NO.

03/17/2023 OF

Chapter 4 – Construction	Methods
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 Fluid Management	4.3.3, Appendix J
Road 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 Section 8)
Building and Structure Removal	4.9
Access Roads	4.10
Driveway Access During Construction	4.10.1
Access Through Wetlands or Streams	4.10.2
Access Through Agricultural Lands	4.10.3
Drain Lines and Under Drains Within Agricultural Lands	4.10.4
Soil Management Plan	4.11 and Appendix L
Culvert Replacement	4.12
Blasting	4.13
Inadvertent Damage to Utilities	4.14

Buildings and Structures within 100-ft of HDD				4.3.2		
Inadvertant Release Contingency Plan and Drilling       Fluid Management         Road Crossing Methods       Trenching			and Drilling	4.3.3, Appendix	J	HDD
				4.3.4		
				4.4		HDD
	Trench	ing in Agricultural Land	s	4.4.1		HDD
	Tre	nching in Roadways		4.4.2		HDD
	Tre	enching in Wetlands		4.4.3		HDD
	Ler	ngth of Open Trench		4.4.4		HDD
	S	plicing and Jointing		4.4.5		HDD
	D	ewatering Methods		4.4.6		HDD
	Bedding	and Backfilling Method	ds	4.4.7		HDD
		Dredging		Note Applicable for this S	Segment	HDD
	Converter Statio	on and Substation Requ	uirements	Note Applicable for this S	Segment	HDD
	Right o	of Ways and Easements	6	4.7		HDD
	Ri	ght of Way Clearing		4.8 (See also Section	n 8)	HDD
	Building	g and Structure Remova	al	4.9		HDD
		Access Roads		4.10		HDD
	Driveway /	Access During Construc	ction	4.10.1		НОО
	Access Th	rough Wetlands or Stre	ams	4.10.2		
	Access T	hrough Agricultural Lar	nds	4.10.3		
	Drain Lines and	Under Drains Within A	gricultural	4.10.4		
	So	il Management Plan		4.11 and Appendix	< L	
	Ci	ulvert Replacement		4 12		
		Blasting		4.13		HDD
	Inadve	rtent Damage to Utilities	S	4.14		
	Noto: Table 4 summ	parizos the construction	n mothods and	associated subsections t		HDD
1	the measures and s	standards that will be for	pllowed within S	Segment 11.		HDD
						HDD
Table 4.1 - Segment 11 HDD Locations						HDD
				Station (Approximate		HDD
HDD Number Sheet Length			Length	see Drawings for	Purpose	HDD
				Details)		HDD
	HDD 111.B	C-101	765	STA 70002+15 to 70009+80	Avoid stream and wetland	HDD
	HDD 112	C-103 to C-104	1,100	STA 70034+00 to	00 to Avoid road crossing and wetland	
				10040100		

Avoid railroad and road crossing

Avoid road crossing and waterbody

Railroad crossing

Avoid road crossing

Avoid waterbody and wetlands

Avoid waterbody and wetlands

Avoid railroad crossing

Avoid Glen Falls Lehigh Cement Co.

facility

HDD 112	C-103 to C-104	1,100	STA 70034+00 to 70045+00	
HDD 113	C-105	610	STA 70054+40 to 70060+50	
HDD 115	C-106 to C-107	1,475	STA 70084+00 to 70098+75	
HDD 117	C-107.01 to C-108	730	STA 70112+45 to 70119+75	

950

835

1,475

1,100

850

STA 70137+25 to

70146+75 STA 70160+25 to

70168+60 STA 70172+25 to

70187+00 STA 70339+50 to

70350+50

STA 70372+00 to

70380+50

C-110

C-111 to C-112

C-112 to C-113

C-123 to C-124

C-125 to C-126

HDD 118

HDD 119

HDD 120

HDD 122

HDD 123

Ĉŀ	1	P	
Cha	ampla wer Ex	in Hu (press	dson

![](_page_8_Picture_4.jpeg)

![](_page_8_Picture_5.jpeg)

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

HDD #	
HDD 111.B	
HDD 111.B	
HDD 112	
HDD 113	
HDD 115	
HDD 115	
HDD 115	
HDD 115	
HDD 117	
HDD 118	
HDD 119	
HDD 119	
HDD 119	
HDD 120	
HDD 120	
HDD 120	
HDD 122	
HDD 122	
HDD 122	
HDD 123	

213.00-2-3

0
/

Table 4.2 - Property Owners within 100 feet of HDD Operations				
Parcel Number	Sheet	Location (Approximate – see Drawings for Details)		
139.00-10-10.1	C-101	STA 70002+15 to 70009+80		
139.00-10-11	C-101	STA 70002+15 to 70009+80		
156.01-4-6	C-103 to C-104	STA 70034+00 to 70045+00		
156.10-1-4	C-105	STA 70054+40 to 70060+50		
156.10-1-28	C-105	STA 70054+40 to 70060+50		
156.09-6-1	C-105	STA 70054+40 to 70060+50		
156.09-6-3	C-105	STA 70054+40 to 70060+50		
156.01-3-15	C-105	STA 70054+40 to 70060+50		
156.09-5-13	C-105	STA 70054+40 to 70060+50		
156.13-2-16	C-106 to C-107	STA 70084+00 to 70098+75		
156.13-1-6	C-106 to C-107	STA 70084+00 to 70098+75		
156.13-1-7	C-106 to C-107	STA 70084+00 to 70098+75		
156.13-1-8.1	C-106 to C-107	STA 70084+00 to 70098+75		
156.13-1-8.2	C-106 to C-107	STA 70084+00 to 70098+75		
156.13-1-9	C-106 to C-107	STA 70084+00 to 70098+75		
156.13-1-10	C-106 to C-107	STA 70084+00 to 70098+75		
156.13-9-13	C-106 to C-107	STA 70084+00 to 70098+75		
156.13-9-12	C-106 to C-107	STA 70084+00 to 70098+75		
156.13-9-10	C-106 to C-107	STA 70084+00 to 70098+75		
156.13-9-11	C-106 to C-107	STA 70084+00 to 70098+75		
156.13-10-16	C-106 to C-107	STA 70084+00 to 70098+75		
156.13-10-37	C-106 to C-107	STA 70084+00 to 70098+75		
156.13-10-38	C-106 to C-107	STA 70084+00 to 70098+75		
156.13-10-21	C-106 to C-107	STA 70084+00 to 70098+75		
156.13-10-20	C-106 to C-107	STA 70084+00 to 70098+75		
156.13-10-19	C-106 to C-107	STA 70084+00 to 70098+75		
155.20-1-40	C-107.01 to C-108	STA 70112+45 to 70119+75		
156.17-5-35	C-107.01 to C-108	STA 70112+45 to 70119+75		
155.20-2-7.1	C-107.01 to C-108	STA 70112+45 to 70119+75		
155.20-2-6	C-107.01 to C-108	STA 70112+45 to 70119+75		
171.08-2-1.1	C-110	STA 70137+25 to 70146+75		
171.08-1-9	C-110	STA 70137+25 to 70146+75		
171.08-9-5	C-110	STA 70137+25 to 70146+75		
171.08-9-7	C-110	STA 70137+25 to 70146+75		
171.08-9-6	C-110	STA 70137+25 to 70146+75		
171.08-9-4	C-110	STA 70137+25 to 70146+75		
171.08-9-15	C-110	STA 70137+25 to 70146+75		
171.08-9-1	C-110	STA 70137+25 to 70146+75		
171.08-7-5	C-110	STA 70137+25 to 70146+75		
171.08-7-1	C-110	STA 70137+25 to 70146+75		
171.00-4-4	C-111 to C-112	STA 70160+25 to 70168+60		
171.00-4-3	C-111 to C-112	STA 70160+25 to 70168+60		
171.00-4-46	C-111 to C-112	STA 70160+25 to 70168+60		
202.00-1-1.1	C-112 to C-113	STA 70172+25 to 70187+00		
202.00-1-1.2	C-112 to C-113	STA 70172+25 to 70187+00		
213.00-2-3	C-112 to C-113	STA 70172+25 to 70187+00		
187.00-1-5	C-123 to C-124	STA 70339+50 to 70350+50		
213.00-2-3	C-123 to C-124	STA 70339+50 to 70350+50		
201.00-5-5	C-123 to C-124	STA 70339+50 to 70350+50		

C-125 to C-126 | STA 70372+00 to 70380+50

		Table 4.5 - Access Roads in Segme	nt 11	
ype of Access Road Sheet		Location (Approximate – see Drawings for Details)	Sensitive Area Crossed	
emporary	C-101	STA 70000+00 to 70013+00	Stream	
emporary	C-102	STA 70015+00 to 70018+00	None	
emporary	C-103	STA 70022+00 to 70032+00	Wetland	
emporary	C-104	STA 70047+00 to 70049+50	Stream	
emporary	C-105	STA 70555+00 to 70061+00	Wetland	
emporary	C-105.1	STA 70663+00 to 70068+00	Stream	
emporary	C-108 to C-109	STA 70123+00 to 70135+00	Stream	
emporary	C-111 to C-112	STA 70153+00 to 70168+25	Wetland	
emporary	C-113 to C-114	STA 70189+50 to 70201+00	Agricultural land	
emporary	C-114 to C-116	STA 70205+00 to 70233+00	Wetland, stream	
emporary	C-116 to C-118	STA 70236+00 to 70265+00	Recreational land, stream, wetland	
emporary	C-118 to C-119	STA 70268+00 to 70289+00	Recreational land	
emporary	C-123	STA 70333+00 to 70338+00	Wetland	
emporary	C-124 to C-125	STA 70349+00 to 70372+00	Stream, Wetland	
emporary	C-127 to C-128	STA 70399+00 to 70419+00	None	
emporary	C-130	STA 70439+00 to 70441+00	Wetland	
emporary	C-130 to C-131	STA 70449+00 to 70454+00	Wetland	
	1		1	

NOTE: Table 4.5 summarizes the access roads in this package 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 14.2.4 and 14.4.1 of the EM&CP as applicable.

Table 5.2 - Con	struction Materia	lls and Equipment Staging
Work Area Description	Sheet #	Location (Approximate- see Drawings for Details)
HDD 111.B Entry Work Area	C-101	STA 70002+15
HDD 111.B Exit Work Area	C-101	STA 70009+80
HDD 112 Entry Work Area	C-103	STA 70034+40
HDD 112 Exit Work Area	C-104	STA 70045+00
HDD 113 Entry Work Area	C-105	STA 70054+40
HDD 113 Exit Work Area	C-105	STA 70060+50
HDD 115 Entry Work Area	C-106	STA 70084+00
HDD 115 Exit Work Area	C-107	STA 70098+75
HDD 117 Entry Work Area	C-107.1	STA 70112+45
HDD 117 Exit Work Area	C-108	STA 70119+75
HDD 118 Entry Work Area	C-110	STA 70137+25
HDD 118 Exit Work Area	C-110	STA 70146+75
HDD 119 Entry Work Area	C-111	STA 70160+25
HDD 119 Exit Work Area	C-112	STA 70168+60
HDD 120 Entry Work Area	C-112	STA 70172+25
HDD 120 Exit Work Area	C-113	STA 70187+00
HDD 122 Entry Work Area	C-123	STA 70339+50
HDD 122 Exit Work Area	C-124	STA 70350+50
HDD 123 Entry Work Area	C-125	STA 70372+00
HDD 123 Exit Work Area	C-126	STA 70380+50

		Tab
Parcel Number	Sheet Number	Location (A
171.00-4-46	C-113, C-114	STA

Note: Section 7.1 of the EM&CP summarizes the measures to be followed within agricultural areas. Section 8.2.2 of the EM&CP summarizes the requirements and procedures for any vegetation or tree clearing that may occur within agricultural lands. Table 14.1 in Section 14.5 of the EM&CP summarizes the location where agricultural lands potentially require restoration within Segment 12. Section 14.5 of the EM&CP and describes all cleanup and restoration procedures and methods that will be followed to restore agricultural lands.

Recreational Area	Parcel Number	(
Catskill SoccerClub, Inc. Holcim Field	187.00-2-8.2	

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED	[]	F	3/17/2023	FINAL SUBMISSION	RB	JL	-
PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT		E	01/24/2023	DRAFT FINAL SUBMISSION	RB	JL	
ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS	1550ED FUR	D	11/16/2022	PRELIMINARY DRAFT FINAL SUBMISSION	RB	JL	
ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT	PERMITTING	С	04/29/2022	60% DESIGN SUBMISSION	RB	JL	]
AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A		В	03/22/2022	PRELIMINARY DESIGN DEVELOPMENT	BV	TK	]
SPECIFIC DESCRIPTION OF THE ALTERATION.		Α	02/14/2022	PRELIMINARY PROGRESS	BV	TK	]
		No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DR

∋ 7.1 - Agricultural Land in Segment 11				
Approximate – see Drawings for Details)	Anticipated Impacts to Agricultural Activities/Land			
A 70187+00 to 70202+50	Temporary ground disturbance associated with a temporary construction access road. Access road Type 5 will be used, and area will be restored in accordance with Section 14.5.			

Table 7.2 – Recrea	ational Areas	
Plan and Profile Appendix C) Sheet Number	Station (approximate – see Appendix C for details)	Anticipated Impacts to Recreational Area
C-118 to C-119	STA 70266+24 to 70276+50	Temporary ground disturbance associated with access road

# CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 11 (PACKAGE 7A) - CSX: CATSKILL EM&CP DATA TABLES 1 OF 4

KIEWIT PROJECT NO. 21162 TT PROJECT NO. 204-3701 DRAWING NO.

**G-006** 

03/17/2023 OF

Α

				_		SCALE
RAWN BY:	RB	DESIGNED BY:	AC	APPROVED BY:	JL	REV. NO.

Table 4.4 - Certificate Condition 140 for Segment 11						
Town	Parcel Number	Property Owner	Station Start	Station End	Owner Type	Type of Easement
Coxsackie	139.00-10-10.1	Miguel Alverado	70000+00	70002+80	Private	Temporary Construction
Coxsackie	139.00-10-10.1	Miguel Alverado	70000+00	70009+11	Private	Permanent
Coxsackie	139.00-10-10.1	Miguel Alverado	70000+00	70009+11	Private	Temporary Construction
Coxsackie	139.00-10-11	Greene County	70009+11	70020+86	Private	Permanent
Coxsackie	139.00-10-11	Greene County	70009+11	70020+86	Private	Temporary Construction
Coxsackie	139.00-10-11	Greene County	70009+11	70020+86	Private	Temporary Construction
Coxsackie	156.01-4-1	Dale Huber	70020+86	70029+01	Private	Permanent
Coxsackie	156.01-4-1	Dale Huber	70020+86	70029+01	Private	Temporary Construction
Coxsackie	156.01-4-1	Dale Huber	70020+86	70029+01	Private	Temporary Construction
Coxsackie		Brown Crossing Road	70029+01	70029+55	Public	Temporary Construction
Coxsackie		Brown Crossing Road	70029+01	70029+55	Public	Permanent
Coxsackie		Brown Crossing Road	70029+01	70029+55	Public	Temporary Construction
Coxsackie	156.01-4-2	Central Hudson Gas & Elec	70029+55	70030+54	Private	Permanent
Coxsackie	156.01-4-2	Central Hudson Gas & Elec	70029+55	70030+54	Private	Temporary Construction
Coxsackie	156.01-4-2	Central Hudson Gas & Elec	70029+55	70030+54	Private	Temporary Construction
Coxsackie	133.00-1-13	Arnold Robert Christenson	70029+55	70030+54	Private	Temporary Construction
Coxsackie	133.00-1-13	Arnold Robert Christenson	70029+55	70030+54	Private	Permanent
Coxsackie	156.01-4-7	Brandy Segura	70030+54	70036+05	Private	Temporary Construction
Coxsackie	156.01-4-7	Brandy Segura	70030+54	70049+98	Private	Permanent
Coxsackie	156.01-4-7	Brandy Segura	70030+54	70035+08	Private	Temporary Construction
Coxsackie	156.01-4-7	Brandy Segura	70044+36	70049+98	Private	Temporary Construction
Coxsackie	156.01-4-7	Brandy Segura	70044+59	70049+98	Private	Temporary Construction
Coxsackie	156.10-1-4	Charles M Benton	70049+98	70062+56	Private	Temporary Construction
Coxsackie	156.10-1-4	Charles M Benton	70049+98	70062+56	Private	Permanent
Coxsackie	156.10-1-4	Charles M Benton	70049+98	70062+56	Private	Temporary Construction
Coxsackie	156.09-6-1	Lorie M Lubera	70062+56	70056+66	Private	Permanent
Coxsackie	156.09-6-1	Lorie M Lubera	70062+56	70054+55	Private	Temporary Construction
Coxsackie	156.09-6-1	Lorie M Lubera	70062+56	70057+18	Private	Temporary Construction
Coxsackie	156.01-3-15	CO CO 96 Inc.	70057+60	70059+05	Private	Permanent
Coxsackie	156.09-6-3	Bryan William Schloss	70057+18	70058+48	Private	Temporary Construction
Coxsackie	156.01-3-15	CO CO 96 Inc.	70058+81	70058+95	Private	Temporary Construction
Coxsackie		Route 23	70068+78	70070+68	Public	Permanent
Coxsackie	159.09-6-5	Keicy Properties, Inc	70058+48	70059+29	Private	Temporary Construction
Coxsackie		Route 23	70059+29	70060+56	Public	Temporary Construction
Coxsackie		Route 23	70060+25	70060+62	Public	Temporary Construction
Catskill	156.09-5-13	NYS Transportation	70060+60	70068+04	Public	Temporary Construction
Catskill	156.09-5-13	NYS Transportation	70060+60	70068+04	Public	Permanent
Catskill	156.09-5-13	NYS Transportation	70060+60	70068+04	Public	Temporary Construction
Catskill		Allen Street	70068+04	70071+55	Public	Permanent
Catskill		Allen Street	70068+04	70071+55	Public	Temporary Construction
Catskill		Allen Street	70068+04	70071+55	Public	Temporary Construction
Catskill	156.09-5-1	Community Action of Greene Co.	70070+86	70073+95	Private	Temporary Construction
Catskill		US Route 9W	70071+55	70085+88	Public	Temporary Construction
Catskill		US Route 9W	70071+55	70085+88	Public	Permanent
Catskill		US Route 9W	70071+55	70085+88	Public	Temporary Construction
Catskill	156.09-3-16	Adelia Reed	70079+06	70080+93	Private	Temporary Construction
Catskill	156.13-2-16	Raymond McNeany	70080+93	70082+72	Private	Temporary Construction
Catskill		Main Street	70085+88	70088+00	Public	Permanent
Catskill	156.13-18.1	A & K Corporation	70088+00	70089+00	Private	Permanent
Catskill	156.13-1-14	Kloop LLC	70089+00	70091+00	Private	Permanent
Catskill	156.13-9-13	Richard Vincent	70093+51	70094+89	Private	Permanent
Catskill	156.13-9-12	Daniel P. Goss	70095+47	70097+31	Private	Permanent
Catskill	156.13-9-11	Stephen Schmitz	70096+50	70097+31	Private	Permanent
Catskill	156.13-10-37	Daniel P. Goss	70097+79	70099+56	Private	Permanent
Catskill	156.13-10-37	Daniel P. Goss	70098+48	70099+56	Private	Temporary Construction
Catskill	156.13-10-37	Daniel P. Goss	70098+48	70099+56	Private	Temporary Construction
Catskill	156.13-10-16	Daniel P. Goss	70098+48	70098+69	Private	Temporary Construction
Catskill	156.13-10-38	Daniel P. Goss	70098+69	70099+56	Private	Temporary Construction
Catskill	156.13-10-38	Daniel P. Goss	70099+50	70099+56	Private	Permanent
Catskill		W Main Street	70099+56	70100+07	Public	Permanent
Catskill		W Main Street	70099+56	70100+07	Public	Temporary Construction
Catskill		W Main Street	70099+56	70100+07	Public	Temporary Construction
Catskill	156.13-10-19	James Davis	70100+07	70101+19	Private	Permanent
Catskill	156.13-10-19	James Davis	70100+07	70101+19	Private	Temporary Construction
	156 13 10 10	lames Davis	70100+07	70101+10	Private	Temporary Construction

![](_page_9_Picture_1.jpeg)

![](_page_9_Picture_2.jpeg)

![](_page_9_Picture_3.jpeg)

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

-	
_	
	2

Catskill	156.13-10-20	Unknown Land Owner	70100+55	70101+43	Private	Permanent
Catskill	156.13-10-20	Unknown Land Owner	70100+55	70101+43	Private	Temporary Construction
Catskill	156.13-10-20	Unknown Land Owner	70100+55	70101+43	Private	Temporary Construction
Catskill		Willow Lane	70101+43	70101+88	Public	Permanent
Catskill		Willow Lane	70101+43	70101+88	Public	Temporary Construction
Catskill		Willow Lane	70101+43	70101+88	Public	Temporary Construction
Catskill	155.20-1-40	Samuel R Creech	70101+88	70112+69	Private	Temporary Construction
Catskill	155.20-1-40	Samuel R Creech	70101+88	70115+22	Private	Permanent
Catskill	155.20-1-40	Samuel R Creech	70101+88	70113+90	Private	Temporary Construction
Catskill	156.17-1-5	Hanes Realty Corp	70109+62	70109+62	Private	Temporary Construction
Catskill	171.08-2-1.2	Li Zhang, LLC	70128+28	70130+89	Private	Temporary Construction
Catskill	171.08-2-1.1	Nussbickel Brothers Realty Co	70130+89	70137+86	Private	Temporary Construction
Catskill	171.08-2-1.1	Nussbickel Brothers Realty Co	70131+34	70137+86	Private	Permanent
Catskill		Cauterskill Avenue	70137+86	70138+75	Private	Permanent
Catskill	171.08-9-5		70138+75	70139+02	Private	Permanent
	171.08-9-4	V S H Realty Inc	70139+02	70139+95	Private	Permanent
	1/1.08-9-15	Hess Retail Stores, LLC	70139+95	70142+20	Private	Permanent
	1/1.08-9-1	Nguyen, Knoung H	70142+20	70143+42	Private	Permanent
	474.00.7.4	W Bridge Street	70143+42	70144+51		Permanent
	171.08-7-1	Hoeventure LLC.	70143+63	70150+68	Private	Temporary Construction (Access Rd)
Catskill	171.08-7-1		70144+51	70148+91	Private	Temperary Construction
	171.08-7-1		70144+51	70150+68	Private	
	171.08-7-1		70144+92	70146+67	Private	
	171.08-7-1	Richard Evans	70149+14	70150+08	Private	Temporary Construction
	171.00-7-27		70150+00	70155+94	Private	Dermanent
Catskill	171.087.27	Richard Evans	70150+00	70155+04	Private	Temporary Construction
Catskill	171.00-7-27	Richard Evans	70155+04	70163+46	Private	Temporary Construction
Catskill	171.00-4-4	Richard Evans	70155+94	70163+46	Private	Permanent
Catskill	171.00-4-4	Richard Evans	70155+94	70160+64	Private	Temporary Construction
Catskill	171.00-4-3	Genevieve Collins	70163+46	70179+73	Private	Permanent
Catskill	171.00-4-3	Genevieve Collins	70163+46	70172+92	Private	Temporary Construction
Catskill	171.00-4-3	Genevieve Collins	70168+00	70172+92	Private	Temporary Construction
Catskill	171 00-4-49	George Van Valkenburgh, Jr.	70179+73	70202+12	Private	Permanent
Catskill	171.00-4-49	George Van Valkenburgh, Jr.	70186+41	70202+12	Private	Temporary Construction
Catskill	171.00-4-49	George Van Valkenburgh, Jr.	70186+41	70202+12	Private	Temporary Construction
Catskill	171.00-4-25	Leslie L. Post	70202+12	70210+00	Private	Permanent
Catskill	171.00-4-25	Leslie L. Post	70202+12	70210+00	Private	Temporary Construction
Catskill	171.00-4-25	Leslie L. Post	70202+12	70210+00	Private	Temporary Construction
Catskill	187.00-2-26	Holcim (US) Inc.	70209+47	70209+75	Private	Temporary Construction (Access Rd)
Catskill	171.00-4-23	AT&T Communications	70210+00	70211+00	Private	Temporary Construction
Catskill	171.00-4-23	AT&T Communications	70210+00	70211+00	Private	Permanent
Catskill	171.00-4-25	Leslie L. Post	70211+00	70219+86	Private	Permanent
Catskill	171.00-4-25	Leslie L. Post	70211+00	70219+86	Private	Temporary Construction
Catskill	171.00-4-25	Leslie L. Post	70211+00	70219+86	Private	Temporary Construction
Catskill	187.00-2-26	Holcim (US) Inc.	70219+86	70232+99	Private	Permanent
Catskill	187.00-2-26	Holcim (US) Inc.	70219+86	70232+99	Private	Temporary Construction
Catskill	187.00-2-26	Holcim (US) Inc.	70219+86	70232+99	Private	Temporary Construction
Catskill	187.00-2-4	Frank E. Bulich	70232+99	70252+95	Private	Permanent
Catskill	187.00-2-4	Frank E. Bulich	70232+99	70252+95	Private	Temporary Construction
Catskill	187.00-2-4	Frank E. Bulich	70232+99	70252+95	Private	Temporary Construction
Catskill	187.00-2-8.1	Holcim (US) Inc.	70252+95	70287+63	Private	Permanent
Catskill	187.00-2-8.1	Holcim (US) Inc.	70252+95	70287+63	Private	Temporary Construction
Catskill	187.00-2-8.1	Holcim (US) Inc.	70252+95	70287+63	Private	Temporary Construction
Catskill	187.00-2-2-6	Holcim (US) Inc.	70254+92	70257+40	Private	Temporary Construction ( Access Rd)
Catskill	187.00-2-8.1	Holcim (US) Inc.	70257+40	70258+00	Private	Temporary Construction (Access Rd)
Catskill	187.00-2-8.2	Catskill Soccer Club, Inc.	70287+63	70276+64	Private	Permanent
Catskill	187.00-2-8.2	Catskill Soccer Club, Inc.	70287+63	70276+64	Private	Temporary Construction
Catskill	187.00-2-8.2	Catskill Soccer Club, Inc.	70287+63	70276+64	Private	Temporary Construction
Catskill		Embought Road	70276+64	70277+07	Public	Permanent
Catskill		Embought Road	70276+64	70277+07	Public	Temporary Construction
Catskill		Embought Road	70276+64	70277+07	Public	Temporary Construction
Catskill	202.00-1-1.1	Holcim (US) Inc.	70277+07	70313+18	Private	Permanent
Catskill	202.00-1-1.1	Holcim (US) Inc.	70277+07	70313+18	Private	Temporary Construction
Catskill	202.00-1-1.1	Holcim (US) Inc.	70277+07	70331+99	Private	Temporary Construction
Catskill	202.00-1-1.1	Holcim (US) Inc.	70317+40	70331+99	Private	Permanent
Catskill	202.00-1-1.1	Holcim (US) Inc.	70317+40	70331+99	Private	Temporary Construction
Catskill	202.00-1-1.2	Catskill Realty LLC	70331+99	70336+44	Private	Permanent

Catskill	202.00-1-1.2	Catskill Realty LLC	Catskill Realty LLC 70331+99 70336+77		Private	Temporary Construction
Catskill	202.00-1-1.2	Catskill Realty LLC	70331+99	70340+23	Private	Temporary Construction
Catskill	202.00-1-1.2	Catskill Realty LLC	70337+23	70339+75	Private	Temporary Construction (Access Rd)
Catskill	202.00-1-1.2	Catskill Realty LLC	70340+65	70350+76	Private	Permanent
Catskill	202.00-1-1.2	Catskill Realty LLC	70348+74	70350+76	Private	Temporary Construction
Catskill	187.00-1-5	Catskill Realty LLC	70348+74	70353+65	Private	Temporary Construction (Access Rd)
Catskill	213.00-2-3	Glens Falls Lehigh Cement Co.	70350+76	70359+86	Private	Temporary Construction
Catskill	213.00-2-3	Glens Falls Lehigh Cement Co.	70350+76	70355+79	Private	Temporary Construction
Catskill	213.00-2-3	Glens Falls Lehigh Cement Co.	70350+76	70454+33	Private	Permanent
Catskill	213.00-2-3	Glens Falls Lehigh Cement Co.	70369+15	70372+59	Private	Temporary Construction
Catskill	213.00-2-3	Glens Falls Lehigh Cement Co.	70379+90	70454+33	Private	Temporary Construction
Catskill	213.00-2-3	Glens Falls Lehigh Cement Co.	70379+90	70454+33	Private	Temporary Construction
Catskill	201.00-5-5	Lehigh Portland NY LLC.	70382+39	70382+73	Private	Temporary Construction

								<b>(</b>
	IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY		F	3/17/2023	FINAL SUBMISSION	RB	JL	
	ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT		E	01/24/2023	DRAFT FINAL SUBMISSION	RB	JL	]
	OR LAND SURVEYOR TO ALTER AN TIEM 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.	PERMITTING	D	11/16/2022	PRELIMINARY DRAFT FINAL SUBMISSION	RB	JL	]
			С	04/29/2022	60% DESIGN SUBMISSION	RB	JL	
			В	03/22/2022	PRELIMINARY DESIGN DEVELOPMENT	BV	ΤK	
			Α	02/14/2022	PRELIMINARY PROGRESS	BV	ΤK	
			No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DRA

Δ	
т	

A

![](_page_9_Picture_12.jpeg)

Table 8.1 - Terms and Definitions from BMP Document Section 5.2				
Term	Definition			
Clearing	the cutting and physical removal, either by hand or mechanical means, of all vegetation from the work area			
Grubbing	the mechanical removal of the stump and root mass of felled woody vegetation			
Slash	shrubs, saplings, and tops of trees 4 inches in diameter or less at the large end for hardwood and 6 inches in diameter or less at the large end for softwoods.			
Stumps	the woody stem and fibrous root mass left in the soil after removing the trunk at the butt.			
Timber/logs	trunks and limbs greater than 6 inches in diameter at the small end, with a minimum 8-foot length.			

	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 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 8.4.1 summarizes the location and clearing Type that will occur within this Package. Section 8.0 and 8.1 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.

Stream Crossing: Section 8.2.1 and Section 9.1 of the EM&CP.
 Visually Sensitive Areas Section 8.3.2 of the EM&CP

4. Agricultural Lands: Section 8.2.2 of the EM&CP.

	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 right-of-way to an approved disposal site.			
Туре В	Log Piles	Logs not needed for construction will be removed from the right-of-way to an approved disposal area.			
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 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.			
Туре Е	Vegetation Chipping	Vegetation may be chipped to reduce debris volume.			
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.			
Туре 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 8.4 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 this Segment. All applicable NYSDEC regulations regarding invasive species will be followed when disposing of vegetation.

Table 8.4 - Vegetation and Tree Clearing Locations					
Sheet	Location (Approximate - See Drawings for Details) Vegetation/Tree Cle Method Type		Environmentally Sensitive Areas		
C-401	STA 70000 to 70003 STA 70009 to 70015	I and IV I and IV	Wetland; Stream; ESA 9		
C-402	70015 to 70030	I, III, and IV	Wetland; Stream; ESA 9		
C-403	70030 to 70036	I and IV	Wetland; Stream; ESA 9		
C-404	70044 to 70056 70056 to 70060	IV I and IV	Wetland; Stream; ESA 9		
C-405	70063 to 70064	III	Wetland; Stream; ESA 9		
C-405.1	70081 to 70086	III and IV	ESA 9		
C-406	70098 to 70105	III and IV	ESA 9		
C-407	STA 70105 to 70108 STA 70111 to 70114	IV IV	ESA 9		
C-407.1	STA 70120 to 70135+12.06	IV	ESA 9		
C-408	STA 70135+12.06 to STA 70138 STA 70147 to STA 70150	IV IV	ESA 9		
C-408.1	STA 70156 to STA 70165	I and IV	ESA 9		
C-409	STA 70165 to STA 70173	IV	ESA 9		
C-410	STA 70190 to STA 70195	I	ESA 9		
C-411	STA 70195 to STA 70202 STA 70203 to STA 70210	I and III I and III	ESA 9		
C-412	STA 70210 to STA 70220 STA 70223 to STA 70225	 	ESA 9		

C-413	STA 70225 to STA 70240	I and IV	Wetland; ESA 9
C-414	STA 70240 to STA 70255	I and IV	Wetland
C-415	STA 70255 to STA 70258 STA 70264 to STA 70270	I and IV III and IV	Wetland; Recreational Land
C-416	STA 70270 to STA 70277 STA 70277 to STA 70279 STA 70280 to STA 70285	I and III IV I	Recreational Land Wetland
C-417	STA 70285 to STA 70300	Ι	Wetland
C-418	STA 70301 to STA 70306	I	ESA 9
C-419	STA 70326 to STA 70330	I and III	ESA 9
C-420	STA 70332 to STA 70334 STA 70336 to STA 70340	I and III I and IV	Wetland Wetland
C-421	STA 70350 to STA 70360	I and IV	Wetland
C-422	STA 70360 to STA 70363 STA 70365 to STA 70369 STA 70369 to STA 70373	IV III and IV I, III, and IV	Wetland
C-423	STA 70380 to STA 70382 STA 70385 to STA 70390	III III and IV	
C-424	STA 70390 to STA 70395 STA 70399 to STA 70405	III III and IV	
C-425	STA 70405 to STA 70418	IV	
C-426	STA 70425 to STA 70435	I and IV	
C-427	STA 70435 to STA 70438 STA 70439 to STA 70441 STA 70442 to STA 70450	I III I, III and IV	Wetland
C-428	STA 70450 to STA 70453	I and IV	Wetland

![](_page_10_Picture_12.jpeg)

![](_page_10_Picture_13.jpeg)

![](_page_10_Picture_14.jpeg)

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

Table 9.1 - Summary of Waterbody Impacts					Table 9.2 - Summary of Wetland Impacts in Segment 11								
Approximate Station	Waterbody Name	NYSDEC Classification	Waterbody Field ID	Flow Status	Avoidance and Minimization Measure	Permanent Impact (Linear feet)	Temporary Impact (Linear feet)	Drawing Sheet Number and Approximate Station	Wetland ID	Wetland Community Type	Jurisdiction	Permanent ROW Impacts (square feet)	Temporary Construction Impacts (square feet)
70009+00	Unnamed Tributary to	Unmapped	S51	Intermittent		0	0	70008+00 (C-101)	7A-W	PEM	USACE	0.0	0.0
(C-101)	Hudson River									PEM		4 176 5	17 857 1
70009+50	Unnamed Tributary to		_			_		70011+00 (C-101-103)	FA-AP, AO, AN	PSS	USACE	6,240.4	52,174,7
(C-101)		Unmapped	S52	Intermittent		0	259.773468		,,	PFO	00/102	7,146.6	38,101.1
(0 101)	Unnamed									PEM		0.0	0.0
70033+00	Tributary to	C/C	TG	Intermittent		0	182.2	70032+00 (C-103-104)	AC	PFO	USACE	1,796.2	28,931.9
(C-103)	Hudson River		863-103							PUB		0.0	0.0
70037+25	Unnamed Tributary to		38		HDD			70058±00 (C-105)	PC	PEM		0.0	3,111.3
(C-104)		C/C	863-103	Perennial		0	0	70030+00 (0-103)	BC	PSS	USACE	0.0	0.0
	Unnamed							70059+00	FA-6N	PFM	USACE	0.0	249.0
70049+00	Tributary to	C/C	GP7A-S3	Intermittent		0	0				00/102		
(C-104)	Hudson River		863-103					70060+50 (C-105)	GN	PEM	USACE	0.0	12,058.9
70092+00	Catskill Creek	C/C	Catskill Creek	Perennial		0	0	70061+00 (C-105)	M-1	PEM	USACE	0.0	0.0
(C-107)			863-94					70061+25 (C-105)	GQ	PFO	USACE	0.0	0.0
70095+00	Catskill Creek	C/C	Catskill Creek	Perennial		0	0	70160+50 (C-111)		PSS	USACE	1,858.4	2 12,999.5
(C-107)	Linnamad		863-94					70102+00 (0-111)	GO	PFO	USACE	0.0	792 1
70133+00	Tributary to	Unmapped	41	Perennial		36 157717	194 179778	70186+00 (C-113)	DC	PEO	USACE	0.0	391.9
(C-109)	Hudson River							70204+00 (C-114)	EC	PEM	USACE	21,603.9	80,014.4
70134±00	Unnamed							70209+00 (C-114)	GD	PEM	USACE	0.0	0.0
(0, 400)	Tributary to	Unmapped	41A	Perennial		0	0	70227+00 (C-116)	FA-TD	PSS	USACE	2,378.3	11,151.0
(C-109)	Hudson River							70222.00 (0.146.119)		PSS		16,758.7	70,509.3
70155+00	Tributary to	C/C	42	Perennial	Partially avoided via	0	230.9	70232+00 (C-110-118)	FC/FA-FC	PFO	USACE	6,934.2	44,414.5
(C-111)	Hudson River		863-1		HDD	Ŭ	20010	70258+00 (C-118)	GR	PEM	USACE	0.0	0.0
70223+50	Unnamed							70278+00 (C-119-120)	TB/FA-TB	PSS	USACE	0.0	31.6
(0.445)	I ributary to	Unmapped	43	Intermittent		41.1	197.5			PEM		1,090.8	3,740.3
(0-115)	Hudson River							70280+00 (C-119-121)	GC	PSS	USACE	1,155.8	4,453.0
70229+00	Tributary to	Unmapped	FA-S-TA	Intermittent		0	0			PFO		459.5	3,014.5
(C-116)	Hudson River					-		70289+00 (C-120-121)	TC/FA-TC	PEM	USACE	0.0	2 159 7
70246+50	Unnamed							70307+50 (C-121)	НС	PFO		0.0	5 121 3
(0 117)	I ributary to	Unmapped	44	Perennial		28.9	110.4	70319+00 (C-122)	TF	PFO	USACE	0.0	1.950.5
(0-117)								70323+00 (C-122)	IC	PEM	USACE	1,137.2	1,464.5
70261+25	Tributary to	C/C	45	Perennial		26	135.3	70335+00 (C-123)	JC	PEM	USACE	2,563.7	30,105.0
(C-118)	Hudson River		863-1					70246.00 (0.424.425)	1/2	PEM	1104.05	0.0	16,308.7
70280+00			46					70340+00 (C-124-123)	ĸĊ	PFO	USACE	2,497.7	8,235.2
(C-119)	Post Creek	C/C	(Post Creek)	Perennial		0	191.9	70348+00 (C-124)	G-P7-13	PFO	USACE	795.3	21,848.0
			863-1					70388+00 (C-126-127)	IC	PEM	USACE	0.0	751.6
70283+00	Unnamed Tributary to	Unmanned	170	Intermittent		0	0	, , ,		PFO		0.0	292.5
(C-119)	Hudson River		-117	Internitterit			0	70393+00 (C-127)	MC	PEM	USACE	0.0	2,216.5
70306±00	Unnamed							/0399+00 (C-127)	U-1	PSS	USACE	0.0	0.0
	Tributary to	Unmapped	48	Intermittent		0	110.2	70435+00 (C-129-130)	P-1		USACE	0.0	0.0
(0-121)	Hudson River							70438+50 (C-130)	E	PEM	USACF	778.5	1.037.6
70325+00	Tributary to	Unmapped	49	Perennial		0	38.1				USACE		
(C-122)	Hudson River							70449+00 (C-130-131)	7A-Y	PSS	NYSDEC (C-23)	0.0	0.0
										PEM	USACE	2,096.2	5,265.6
										PSS1R	NYSDEC (C-23)	0.0	0.0
								70450+00 (C-130-131)	7A-Z	PFO1R		0.0	0.0
										Regulated Adjacent Area	NYSDEC (C-23)	5,260.1	42,122.7
									Pond		USACE	0.0	38.9
									TOTAL			87,090.0 (2.0 acres)	560,387.7 (12.9 acres)
									Subtotal PEN	И		3,3537.9 (0.8 acre)	198,376.7 (4.6 acres)
								Subtotal PFO 19,900.5				168,531.1 (3.9 acres)	
									0.1			28,391.6	151,319.0
									Subtotal PS	>		(0.7 acre)	(3.5 acres)
									Subtotal PU	3		0.0 (0.0 acres)	38.9 (<0.01 acres)

Notes: All delineated wetlands are anticipated to be federally jurisdictional under Section 404 of the Clean Water Act.

	IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY		F	03/17/2023	FINAL SUBMISSION	RB	JL	
	PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT		Е	01/24/2023	DRAFT FINAL SUBMISSION	RB	JL	
	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		D	11/16/2022	PRELIMINARY DRAFT FINAL SUBMISSION	RB	JL	
			С	04/29/2022	60% DESIGN SUBMISSION	RB	JL	
			В	03/22/2022	PRELIMINARY DESIGN DEVELOPMENT	BV	ΤK	
SPECIFIC DESCRIPTION OF THE ALTERATION.	SPECIFIC DESCRIPTION OF THE ALTERATION.		Α	02/14/2022	PRELIMINARY PROGRESS	BV	ΤK	
			No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DF

# CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 11 (PACKAGE 7A) - CSX: CATSKILL EM&CP DATA TABLES 3 OF 4

KIEWIT PROJECT NO. 21162 TT PROJECT NO. 204-3701 DRAWING NO.

G-008

03/17/2023 OF

A

DRAWN BY: RB DESIGNED BY: AC APPROVED BY: JL SCALE REV. NO.

Table 9.3 - FEMA 100-Year Floodplains in Segment 11						
Sheet NumberStation (Approximate – see Drawings for details)Flood Zone						
C-107	STA 70087+00 to 70101+50	Zone AE; Regulatory Floodway				
C-130 to C-131	STA 70447+00 to 70455+56	Zone AE				

	Table 9.4 - Summary of RTE Species Impact Avoidance and Minimization Measures					
ESA Type	Station Start	Station End	Best Management Practices			
ESA 1	70431	70454	(a) The Certificate Holders will complete all construction and site preparation activities within six hundred and sixty (660) feet of an active nest between October 1 and Decmeber31, outside of the breeding season to avoid noise-related disturbance.			
ESA 4	70000	70454	<ul> <li>(a) Conduct tree clearing between October 31 and March 31. Tree clearing is not allowed between April 1 and October 30.</li> <li>(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 possible during construction activities.</li> </ul>			
ESA 9	70000	70454	<ul> <li>(a) Conduct tree clearing between October 31 and March 31. Tree clearing is not allowed between April 1 and October 30.</li> <li>(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 possible during construction activities.</li> </ul>			

NOTE: The Table above summarize the locations, avoidance, minimization measures, and impacts for the federally listed species and state-listed species that may occur on or within the vicinity of this Segment. Appendix T and Section 9.3 of the EM&CP summarizes the habitat descriptions, mitigation and protection measures for threatened and endangered species; rare, threatened and endangered plants; and significant natural communities.

NOTE: Section 9.4 of the EM&CP and appendix n describe the invasive species management plan for the project. section 9.4.2 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. The environmental inspector will ensure that measures to prevent and control the spread of invasives are followed and that construction crews are educated in said measures. The environmental inspector will notify crews if an upcoming work area requires said measures.

	Table 11.1 - Segment 11 Cultural Resources					
Cultural Resource Name	Location	Impact	Protection Measure			
Site 904.000089 Greene County Waste Parcel 1	Near Corlaer Kill, east of RR ROW.	Cable route, deviation.	Test or Monitor.			
Site 03904.000090 Greene County Waste Parcel 2	Near Corlaer Kill, east of RR ROW.	Cable route is to the west, work areas are immediately adjacent.	Test or Monitor.			
NYSM Site 3397	Within Project along both side of Catskill Creek extending south past Cowell Street.	Cable installation, HDD pits and work areas, splice locations and work areas, and temporary access roads.	Mostly previously disturbed. None.			
Site 03940.001143 Willow Site	East of RR ROW along Route 9W.	Cable route.	Previously determined not eligible. None.			
Site 03940.001156 LBD Precontact Site	Southeast of RR ROW.	Cable route.	Site developed as storage facility. None.			
Site 03904.000033 Burget Foundation Site 13	On west side of RR ROW along Route 9W.	Near cable route.	None. Project is on east side of RR.			
Site 03904.000034 Sax Foundation Site 14	On west side of RR ROW along Route 9W.	Near cable route.	None. Project is on east side of RR.			
Site 03904.000035 Rightmeyer Foundation Site 15	On west side of RR ROW along Route 9W.	Near cable route.	None. Project is on east side of RR.			
Site 03904.000036 Burhan or Acker Foundation Site 17	On west side of RR ROW along Route 9W.	Near cable route.	None. Project is on east side of RR.			
NYSM 475 Streeke Shelter	West side of tracks, no additional information.	Near access road and cable route.	Test or Monitor.			
Site 03904.000037 C.A. Post Foundation Site 20	On west side of RR ROW along Route 9W.	Near cable route.	None. Project is on east side of RR.			
Site 03904.000030 Embought Rd. Site, Site 8 (Precontact)	North of Embought Road.	Near cable route.	Test or Monitor.			
Site 03904.000093 ICC Prehistoric Site 1	East of extant access road, Project activities on west side.	Near cable route.	None.			
Site 03904.000094 ICC Prehistoric Site 2	East of extant access road.	Near cable route.	Test or Monitor, cable to be installed in disturbed west shoulder of access road.			
Site 03904.000042 Martin House Foundation & Barn, Site 32	East of RR ROW and Project activities.	Near cable route.	None. Well east of Project.			
Site 03904.000043 Gardiner Cemetery (Site 33)	East of Rte 9W, west of RR ROW.	Along proposed access road.	Site protection measures: additional fencing, signage, and call-outs on construction sheets.			

![](_page_11_Picture_5.jpeg)

![](_page_11_Picture_6.jpeg)

![](_page_11_Picture_7.jpeg)

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

	Table 12.2 – 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.	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.	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.	Bi-weekly.				

Table 12.3 - Road and Highway Crossings						
Jurisdiction	Road Crossing	Crossing Method (HDD or Open Trench)	Sheet	Location (Approximate, see Drawings for Details)		
Local	Browns Crossing Road	Trench	C-103	STA 70029		
NYSDOT	State Route 23	HDD 113	C-105	STA 70060		
Local	Allen Street	Trench	C-105.1	STA 70068 to 70069		
NYSDOT	Maple Ave (9W)	Trench	C-106	STA 70071 to 70072		
NYSDOT	Route 9W On-ramp	Trench	C-106	STA 70073		
	Route 9W Off-ramp	HDD115	C-106	STA 70086		
Local	Main Street	HDD 115	C-106 to C-107	STA 70087		
	Route 9W on-ramp	HDD 115	C-107	STA 70088		
Local	Old Main Street	HDD 115	C-107	STA 70089		
Local	Bushnell Ave	HDD 115	C-107	STA 70097		
Local	West Main Street	Trench	C-107	STA 70100		
Local	Willow Street	Trench	C-108	STA 70102		
Local	Newberry Street	Trench	C-108	STA 70110		
Local	Cauterskill Ave	HDD 118	C-110	STA 70138		
NYSDOT	West Bridge Street (Route 9W)	HDD 118	C-110	STA 70144		
Private	Unnamed Access Road/Driveway	Trench	C-114, C-115	STA 70209		
Local	Embought Road	Trench	C-119	STA 70277		
Private	Unnamed private driveway	Trench	C-123	STA 70330 to 70332		
Private	Unnamed private driveway	Trench	C-123	STA 70335 to 70336		
Private	Unnamed private driveway	Trench	C-124	STA 70349		
Private	Unnamed private driveway	Trench	C-126	STA 70382		
Private	Lehigh Road	Trench	C-127	STA 70398		
Private	Alpha Boulevard	Trench	C-128	STA 70419		
Private	Alpha Boulevard	Trench	C-130	STA 70438		
Private	Unnamed Access Road to Hudson River	Trench	C-130	STA 70441		

Table 12.4 - Road Parallel Construction						
Jurisdiction	Parallel Road	Construction Method	Sheet	Approximate Station Location (See Drawings for Details)		
Local	Allen Street	C-105.1 to C-106	STA 70069 to 70071	Parallel Trench		
NYSDOT	Maple Ave (9W) and Route 9W off-ramp	C-106	STA 70073 to 70086	Parallel Trench		
NYSDOT	Maple Street (9W)	C-107	STA 70096 to 70101	Parallel trench and HDD		
Private	Unnamed private driveway	C-119 to C-123	STA 70279 to 70330	Parallel trench and HDD		
Private	Lehigh Road	C-126, C-127	STA 70378 to 70398	Parallel trench and HDD		
NYSDOT	Route 9W	C-127 to C-128	STA 70399 to 70418	Parallel Trench		
Private	Alpha Boulevard	C-128 to C-130	STA 70420 to 70438	Parallel Trench		
Private	Unnamed Access Road to Hudson River	C-130	STA 70442 to 70448	Parallel Trench		

Table 13.1 – NYSDOT Coordination Summary						
Owner	Utility	Contact Date	Response date	CI- Owner Response		
MCI	Fiber	11/2/2022	-	No answer/comments about this package		
Central Hudson Gas & Electric	Gas / Electricity	9/22/2022	11/7/2022	Ongoing weekly coordination meeting		
Mid Hudson Cablevision	CATV	9/22/2022	-	Awaiting answer		
Verizon	Telephone	11/2/2022	-	No answer/comments about this package		
Town of Catskill	Storm / Sanitary / Sewer	9/22/2022	-	Awaiting answer		
NYSDOT	Storm Sewer		-			
Charter (Time Warner)	CATV	9/22/2022	-	No answer/comments about this package		
AT&T	Fiber	9/22/2022	3/7/2023	AT&T provided an initial response on 10/15/2022		
LeHigh Cement	Storm / Electric (Private)	9/23/2022	9/26/2022	Lehigh agrees and would have no immediate concerns at this time. However, (3) specific items must be considered as the project moves forward and before the commencement of work activities on the Lehigh property. 1. Lehigh Employee/Customer vehicle traffic must not be interrupted during the layout and construction phase. 2. The integrity of Lehigh's existing underground primary Outfall pipe (active) located east of Splice Location 244, Sta. 70431+55, traveling eastward to the Hudson River waterfront must remain completely undisturbed. 3. The integrity of Lehigh's existing underground CO2 pipe, power transmission cable, and fiber optic comm. Cable (active) located east of Splice Location 244, Sta. 70431+55, and crossing north/south near the existing security gate location, must remain completely undisturbed.		

F	Ra	il	ro

Table 13.4 - Segment 11 Parallel Railroad Construction								
Railroad	Sheet	Approximate Crossing Station Location (See Drawings for Details)	Construction Method					
CSX	C-101 to C-104	STA 70001+00 to 70056+00	Parallel trench and HDD					
CSX	C-107.01 to C-122	STA 70102+00 to 70316+00	Parallel trench and HDD					
CSX	C-123 to C-126	STA 70334+00 to 70390+00	Parallel trench and HDD					

r	IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY		F	3/17/2023	FINAL SUBMISSION	RB	JL	
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	ISSUED FOR	Е	01/24/2023	DRAFT FINAL SUBMISSION	RB	JL		
		D	11/16/2022	PRELIMINARY DRAFT FINAL SUBMISSION	RB	JL		
AF	ALIERED, THE ALTERING ENGINEER, ARCHIECT, LANDSCAPE ARCHIECT 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.	PERMITTING	С	04/29/2022	60% DESIGN SUBMISSION	RB	JL	
			В	03/22/2022	PRELIMINARY DESIGN DEVELOPMENT	BV	ΤK	
			А	02/14/2022	PRELIMINARY PROGRESS	BV	ΤK	
			No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	Dł

Table 13.3 – Railroad Crossings								
ad Owner	Crossing ID	Crossing Type	Approximate Station (Details on Drawings)					
CSX	C-105	STA 70057+00	HDD 113					
CSX	C-108	STA 70117+00	HDD 117					
CSX	C-123 to C-124	STA 70343+00 to 70349+00	HDD 122					

EM&CP NOISE SENSITIVE AREAS NOTE

The noise receptors that may occur near segment 11 at various points include residences and businesses. Section 10.2 of the EM&CP describes the noise control measures that will be employed throughout this segment.

![](_page_11_Picture_24.jpeg)

KIEWIT PROJECT NO. 21162 TT PROJECT NO. 204-3701 DRAWING NO.

DRAWN BY: RB DESIGNED BY: AC APPROVED BY: JL SCALE REV. NO.

AS SHOWN DATE F SH.NO. 03/17/2023 OF

A

![](_page_12_Figure_0.jpeg)

![](_page_12_Figure_1.jpeg)

![](_page_12_Picture_2.jpeg)

![](_page_12_Picture_3.jpeg)

![](_page_12_Picture_4.jpeg)

STA. 7000+00.00 TO STA. 70013+00.00 PLAN VIEW SCALE: 1" = 50'

STA. 7000+00 TO STA. 70013+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.	ISSUED FOR PERMITTING	F E D C B A	03/17/2023 01/24/2023 11/16/2022 04/29/2022 03/22/2022 02/14/2022	FINAL SUBMISSION DRAFT FINAL SUBMISSION PRELIMINARY DRAFT FINAL SUBMISSION 60% DESIGN SUBMISSION PRELIMINARY DESIGN DEVELOPMENT PRELIMINARY PROGRESS	RB RB RB RB BV BV	JL JL JL JL TK TK	
SPECIFIC DESCRIPTION OF THE ALTERATION.		A	02/14/2022	PRELIMINARY PROGRESS	BV	TK		
			No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DF

![](_page_12_Figure_10.jpeg)

![](_page_13_Picture_0.jpeg)

![](_page_13_Figure_1.jpeg)

![](_page_13_Picture_2.jpeg)

![](_page_13_Picture_3.jpeg)

![](_page_13_Picture_4.jpeg)

(A NEW YORK PROFESSIONAL CORPORATION)

![](_page_13_Figure_7.jpeg)

![](_page_13_Figure_8.jpeg)

								]
	IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY		F	03/17/2023	FINAL SUBMISSION	RB	JL	]
	ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT		Е	01/24/2023	DRAFT FINAL SUBMISSION	RB	JL	1
OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS	ISSUED FUR	D	11/16/2022	PRELIMINARY DRAFT FINAL SUBMISSION	RB	JL	1	
	ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT	PERMITTING	С	04/29/2022	60% DESIGN SUBMISSION	RB	JL	1
	AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.		В	03/22/2022	PRELIMINARY DESIGN DEVELOPMENT	BV	ΤK	1
		1		А	02/14/2022	PRELIMINARY PROGRESS	BV	ΤK
			No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DR

![](_page_14_Figure_0.jpeg)

![](_page_14_Figure_1.jpeg)

![](_page_14_Picture_2.jpeg)

![](_page_14_Picture_3.jpeg)

![](_page_14_Picture_4.jpeg)

TR SECTION , Rho 135 K.cm/W

								-
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITEC OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AM ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMEN AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A	[]	F	03/17/2023	FINAL SUBMISSION	RB	JL	-	
	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	ISSUED FOR	E D	01/24/2023	PRELIMINARY DRAFT FINAL SUBMISSION	RB RB	JL	-
		C B	04/29/2022 03/22/2022	60% DESIGN SUBMISSION PRELIMINARY DESIGN DEVELOPMENT	RB BV	JL TK	-	
	SPECIFIC DESCRIPTION OF THE ALTERATION.		А	02/14/2022	PRELIMINARY PROGRESS	BV	ΤK	<u> </u>
			No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DF

![](_page_14_Picture_10.jpeg)