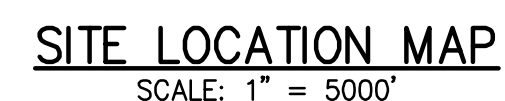


**APPENDIX C:
PLAN & PROFILE DRAWINGS, EROSION
AND SEDIMENT CONTROL PLANS, AND
MAINTENANCE AND PROTECTION OF
TRAFFIC PLANS
CASE 10-T-0139**

(APRIL 12, 2023)



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

						<h2 style="text-align: center;">CHAMPLAIN HUDSON POWER EXPRESS</h2> <h3 style="text-align: center;">SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON</h3> <h3 style="text-align: center;">COVER SHEET</h3>				KIEWIT PROJECT NO. 21162	
										CHA PROJECT NO. 068076	
										DRAWING NO.	
										<h1 style="text-align: center;">G-000</h1>	
0	04/05/2023	FINAL EM&CP SUBMISSION		JJE	JPR						
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DRAWN BY: JJE	DESIGNED BY: JTM	APPROVED BY: JPR	SCALE	AS NOTED	DATE	04/05/2023
								REV. NO.		SH NO.	

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
PACKAGE 3: GENERAL SHEETS	
G-000	COVER SHEET
G-001	SHEET INDEX
G-002	GENERAL NOTES
G-003	PACKAGE SPECIFIC NOTES
G-004	LEGEND AND ABBREVIATIONS
G-005	PLAN AND PROFILE KEY MAP
G-011	EM&CP DATA TABLES
G-012	EM&CP DATA TABLES
G-013	EM&CP DATA TABLES
G-014	EM&CP DATA TABLES
G-015	EM&CP DATA TABLES
G-016	EM&CP DATA TABLES
G-017	EM&CP DATA TABLES
G-018	EM&CP DATA TABLES
G-019	EM&CP DATA TABLES
G-020	RESTORATION NOTES
PACKAGE 3: PLAN AND PROFILE SHEETS	
C-101	REMOVED FROM PLAN SET
C-102	STA. 30015+00 TO STA. 30030+00 PLAN AND PROFILE
C-103	STA. 30030+00 TO STA. 30045+00 PLAN AND PROFILE
C-104	STA. 30045+00 TO STA. 30060+00 PLAN AND PROFILE
C-105	STA. 30060+00 TO STA. 30075+00 PLAN AND PROFILE
C-106	STA.30075+00 TO STA.30083+50-P3-0+00 TO A-P3-6+50 PLAN & PROFILE
C-107	A-P3-6+50 TO A-P3-21+50 PLAN AND PROFILE
C-108	A-P3-21+50 TO A-P3-36+50 PLAN AND PROFILE
C-109	A-P3-36+50 TO A-P3-51+50 PLAN AND PROFILE
C-110	A-P3-51+50 TO A-P3-66+50 PLAN AND PROFILE
C-111	A-P3-66+50 TO A-P3-81+50 PLAN AND PROFILE
C-112	A-P3-81+50 TO A-P3-96+50 PLAN AND PROFILE
C-113	A-P3-96+50 TO STA. 30195+00 PLAN AND PROFILE
C-114	STA. 30195+00 TO STA. 30210+00 PLAN AND PROFILE
C-115	STA. 30210+00 TO STA. 30225+00 PLAN AND PROFILE
C-116	STA. 30225+00 TO STA. 30240+00 PLAN AND PROFILE
C-117	STA. 30240+00 TO STA. 30255+00 PLAN AND PROFILE
C-118	STA. 30255+00 TO STA. 30270+00 PLAN AND PROFILE
C-119	STA. 30270+00 TO STA. 30285+00 PLAN AND PROFILE
C-120	STA. 30285+00 TO STA. 30300+00 PLAN AND PROFILE
C-121	STA. 30300+00 TO STA. 30315+00 PLAN AND PROFILE
C-122	STA. 30315+00 TO STA. 30330+00 PLAN AND PROFILE
C-123	STA. 30330+00 TO STA. 30345+00 PLAN AND PROFILE
C-124	STA. 30345+00 TO STA. 30360+00 PLAN AND PROFILE
C-125	STA. 30360+00 TO STA. 30375+00 PLAN AND PROFILE
C-126	STA. 30375+00 TO STA. 30390+00 PLAN AND PROFILE
C-127	STA. 30390+00 TO STA. 30405+00 PLAN AND PROFILE
C-128	STA. 30405+00 TO STA. 30420+00 PLAN AND PROFILE
C-129	STA. 30420+00 TO STA. 30435+00 PLAN AND PROFILE
C-130	STA. 30435+00 TO STA. 30450+00 PLAN AND PROFILE
C-131	STA. 30450+00 TO STA. 30465+00 PLAN AND PROFILE
C-132	STA. 30465+00 TO STA. 30480+00 PLAN AND PROFILE
C-133	STA. 30480+00 TO STA. 30495+00 PLAN AND PROFILE
C-134	STA. 30495+00 TO STA. 30510+00 PLAN AND PROFILE
C-135	STA. 30510+00 TO STA. 30525+00 PLAN AND PROFILE
C-136	STA. 30525+00 TO STA. 30540+00 PLAN AND PROFILE
C-137	STA. 30540+00 TO STA. 30555+00 PLAN AND PROFILE
C-138	STA. 30555+00 TO STA. 30570+00 PLAN AND PROFILE
C-139	STA. 30570+00 TO STA. 30585+00 PLAN AND PROFILE
C-140	STA. 30585+00 TO STA. 30600+00 PLAN AND PROFILE
C-141	STA. 30600+00 TO STA. 30615+00 PLAN AND PROFILE
C-142	STA. 30615+00 TO STA. 30630+00 PLAN AND PROFILE
C-143	STA. 30630+00 TO STA. 30645+00 PLAN AND PROFILE
C-144	STA. 30645+00 TO STA. 30660+00 PLAN AND PROFILE
C-145	STA. 30660+00 TO STA. 30675+00 PLAN AND PROFILE
C-146	STA. 30675+00 TO STA. 30690+00 PLAN AND PROFILE
C-147	STA. 30690+00 TO STA. 30705+00 PLAN AND PROFILE
C-148	STA. 30705+00 TO STA. 30720+00 PLAN AND PROFILE
C-149	STA. 30720+00 TO STA. 30735+00 PLAN AND PROFILE
C-150	STA. 30735+00 TO STA. 30750+00 PLAN AND PROFILE
C-151	STA. 30750+00 TO STA. 30765+00 PLAN AND PROFILE
C-152	STA. 30765+00 TO STA. 30780+00 PLAN AND PROFILE
C-153	STA. 30780+00 TO STA. 30795+00 PLAN AND PROFILE
C-154	STA. 30795+00 TO STA. 30810+00 PLAN AND PROFILE
C-155	STA. 30810+00 TO STA. 30825+00 PLAN AND PROFILE
C-156	STA. 30825+00 TO STA. 30840+00 PLAN AND PROFILE

C-157	STA. 30840+00 TO STA. 30855+00 PLAN AND PROFILE
C-158	STA. 30855+00 TO STA. 30870+00 PLAN AND PROFILE
C-159	STA. 30870+00 TO STA. 30885+00 PLAN AND PROFILE
C-160	STA. 30885+00 TO STA. 30900+00 PLAN AND PROFILE
C-161	STA. 30900+00 TO STA. 30915+00 PLAN AND PROFILE
C-162	STA. 30915+00 TO STA. 30930+00 PLAN AND PROFILE
C-163	STA. 30930+00 TO STA. 30945+00 PLAN AND PROFILE
C-164	STA. 30945+00 TO STA. 30960+00 PLAN AND PROFILE
C-165	STA. 30960+00 TO STA. 30975+00 PLAN AND PROFILE
C-166	STA. 30975+00 TO STA. 30990+00 PLAN AND PROFILE
C-167	STA. 30990+00 TO STA. 31005+00 PLAN AND PROFILE
C-168	STA. 31005+00 TO STA. 31020+00 PLAN AND PROFILE
C-169	STA. 31020+00 TO STA. 31035+00 PLAN AND PROFILE
C-170	STA. 31035+00 TO STA. 31050+00 PLAN AND PROFILE
C-171	STA. 31050+00 TO STA. 31065+00 PLAN AND PROFILE
C-172	STA. 31065+00 TO STA. 31080+00 PLAN AND PROFILE
C-173	STA. 31080+00 TO STA. 31095+00 PLAN AND PROFILE
C-174	STA. 31095+00 TO STA. 31110+00 PLAN AND PROFILE
C-175	STA. 31110+00 TO STA. 31125+00 PLAN AND PROFILE
C-176	STA. 31125+00 TO STA. 31140+00 PLAN AND PROFILE
C-177	STA. 31140+00 TO STA. 31155+00 PLAN AND PROFILE
C-178	STA. 31155+00 TO STA. 31170+00 PLAN AND PROFILE
C-179	STA. 31170+00 TO STA. 31185+00 PLAN AND PROFILE
C-180	STA. 31185+00 TO STA. 31200+00 PLAN AND PROFILE
C-181	STA. 31200+00 TO STA. 31215+00 PLAN AND PROFILE
C-182	STA. 31215+00 TO STA. 31230+00 PLAN AND PROFILE
C-183	STA. 31230+00 TO STA. 31245+00 PLAN AND PROFILE
C-184	STA. 31245+00 TO STA. 31260+00 PLAN AND PROFILE
C-185	STA. 31260+00 TO STA. 31275+00 PLAN AND PROFILE
C-186	STA. 31275+00 TO STA. 31290+00 PLAN AND PROFILE
C-187	STA. 31290+00 TO STA. 31305+00 PLAN AND PROFILE
C-188	STA. 31305+00 TO STA. 31320+00 PLAN AND PROFILE
C-189	STA. 31320+00 TO STA. 31335+00 PLAN AND PROFILE
C-190	STA. 31335+00 TO STA. 31350+00 PLAN AND PROFILE
C-191	STA. 31350+00 TO STA. 31365+00 PLAN AND PROFILE
C-192	STA. 31365+00 TO STA. 31380+00 PLAN AND PROFILE
C-193	STA. 31380+00 TO STA. 31384+74 PLAN AND PROFILE
PACKAGE 3: ACCESS AND CONSTRUCTION STAGING PLANS	
C-210	ACCESS DRIVE AT STA. 30057+00
C-210A	ACCESS DRIVE AT STA. 30085+00
C-213	ACCESS DRIVE AT STA. 30220+00
C-214	ACCESS DRIVE AT STA. 30431+00
C-214A	ACCESS DRIVE AT STA. 30649+00
C-215	ACCESS DRIVE AT STA. 30782+00
C-216	ACCESS DRIVE AT STA. 30850+00
C-217	ACCESS DRIVE AT STA. 30910+00
C-218	ACCESS DRIVE AT STA. 30989+00
C-219	ACCESS DRIVE AT STA. 31063+00
C-220	ACCESS DRIVE AT STA. 31084+00
C-220A	ACCESS DRIVE AT STA. 31102+00
C-221	ACCESS DRIVE AT STA. 31137+00
C-222	ACCESS DRIVE AT STA. 31221+00
C-223	ACCESS DRIVE AT STA. 31256+00
C-224	ACCESS DRIVE AT STA. 31294+00
C-225	ACCESS DRIVE AT STA. 31322+00
PACKAGE 3: HDD TRENCHLESS PLANS	
C-301	PLAN AND PROFILE - HDD 21B, CONDUIT 1
C-301.1	PLAN AND PROFILE - HDD 21B, CONDUIT 1
C-301A	PLAN AND PROFILE - HDD 21B, CONDUIT 2
C-301A.1	PLAN AND PROFILE - HDD 21B, CONDUIT 2
C-302	PLAN AND PROFILE - HDD 22, CONDUIT 1
C-302.1	PLAN AND PROFILE - HDD 22, CONDUIT 1
C-302A	PLAN AND PROFILE - HDD 22, CONDUIT 2
C-302A.1	PLAN AND PROFILE - HDD 22, CONDUIT 2
C-303	PLAN AND PROFILE - HDD 24, CONDUIT 1
C-303.1	PLAN AND PROFILE - HDD 24, CONDUIT 1
C-303.2	PLAN AND PROFILE - HDD 24, CONDUIT 1
C-303A	PLAN AND PROFILE - HDD 24, CONDUIT 2
C-303A.1	PLAN AND PROFILE - HDD 24, CONDUIT 2
C-303A.2	PLAN AND PROFILE - HDD 24, CONDUIT 2
C-303B	PLAN AND PROFILE - HDD 24A, CONDUIT 1
C-303C	PLAN AND PROFILE - HDD 24A, CONDUIT 2
C-304	PLAN AND PROFILE - HDD 25, CONDUIT 1
C-304.1	PLAN AND PROFILE - HDD 25, CONDUIT 1
C-304A	PLAN AND PROFILE - HDD 25, CONDUIT 2
C-304A.1	PLAN AND PROFILE - HDD 25, CONDUIT 2
C-305	PLAN AND PROFILE - HDD 25A, CONDUIT 1
C-305A	PLAN AND PROFILE - HDD 25A, CONDUIT 2

C-306	PLAN AND PROFILE - HDD 26, CONDUIT 1
C-306.1	PLAN AND PROFILE - HDD 26, CONDUIT 1
C-306A	PLAN AND PROFILE - HDD 26, CONDUIT 2
C-306A.1	PLAN AND PROFILE - HDD 26, CONDUIT 2
C-307	PLAN AND PROFILE - HDD 27, CONDUIT 1
C-307A	PLAN AND PROFILE - HDD 27, CONDUIT 2
C-308	PLAN AND PROFILE - HDD 28, CONDUIT 1
C-308A	PLAN AND PROFILE - HDD 28, CONDUIT 2
C-309	PLAN AND PROFILE - HDD 29, CONDUIT 1
C-309A	PLAN AND PROFILE - HDD 29, CONDUIT 2
C-310	PLAN AND PROFILE - HDD 30, CONDUIT 1
C-310.1	PLAN AND PROFILE - HDD 30, CONDUIT 1
C-310A	PLAN AND PROFILE - HDD 30, CONDUIT 2
C-310A.1	PLAN AND PROFILE - HDD 30, CONDUIT 2
C-311	PLAN AND PROFILE - HDD 31, CONDUIT 1
C-311A	PLAN AND PROFILE - HDD 31, CONDUIT 2
C-312	PLAN AND PROFILE - HDD 32, CONDUIT 1
C-312A	PLAN AND PROFILE - HDD 32, CONDUIT 2
C-313	PLAN AND PROFILE - HDD 32A, CONDUIT 1
C-313A	PLAN AND PROFILE - HDD 32A, CONDUIT 2
C-314	PLAN AND PROFILE - HDD 33, CONDUIT 1
C-314.1	PLAN AND PROFILE - HDD 33, CONDUIT 1
C-314A	PLAN AND PROFILE - HDD 33, CONDUIT 2
C-314A.1	PLAN AND PROFILE - HDD 33, CONDUIT 2
C-315	PLAN AND PROFILE - HDD 35, CONDUIT 1
C-315.1	PLAN AND PROFILE - HDD 35, CONDUIT 1
C-315.2	PLAN AND PROFILE - HDD 35, CONDUIT 1
C-315A	PLAN AND PROFILE - HDD 35, CONDUIT 2
C-315A.1	PLAN AND PROFILE - HDD 35, CONDUIT 2
C-315A.2	PLAN AND PROFILE - HDD 35, CONDUIT 2
C-316	PLAN AND PROFILE - HDD 36, CONDUIT 1
C-316A	PLAN AND PROFILE - HDD 36, CONDUIT 2
C-317	PLAN AND PROFILE - HDD 37, CONDUIT 1
C-317A	PLAN AND PROFILE - HDD 37, CONDUIT 2
C-318	PLAN AND PROFILE - HDD 38, CONDUIT 1
C-318.1	PLAN AND PROFILE - HDD 38, CONDUIT 1
C-318A	PLAN AND PROFILE - HDD 38, CONDUIT 2
C-318A.1	PLAN AND PROFILE - HDD 38, CONDUIT 2
C-319	PLAN AND PROFILE - HDD 39, CONDUIT 1
C-319A	PLAN AND PROFILE - HDD 39, CONDUIT 2
C-320	PLAN AND PROFILE - HDD 40, CONDUIT 1
C-320.1	PLAN AND PROFILE - HDD 40, CONDUIT 1
C-320A	PLAN AND PROFILE - HDD 40, CONDUIT 2
C-320A.1	PLAN AND PROFILE - HDD 40, CONDUIT 2
C-321	PLAN AND PROFILE - HDD 41, CONDUIT 1
C-321A	PLAN AND PROFILE - HDD 41, CONDUIT 2
C-322	PLAN AND PROFILE - HDD 42, CONDUIT 1
C-322A	PLAN AND PROFILE - HDD 42, CONDUIT 2
C-323	PLAN AND PROFILE - HDD 43, CONDUIT 1
C-323.1	PLAN AND PROFILE - HDD 43, CONDUIT 1
C-323A	PLAN AND PROFILE - HDD 43, CONDUIT 2
C-323A.1	PLAN AND PROFILE - HDD 43, CONDUIT 2
C-324	PLAN AND PROFILE - HDD 44, CONDUIT 1
C-324A	PLAN AND PROFILE - HDD 44, CONDUIT 2
C-325	PLAN AND PROFILE - HDD 45, CONDUIT 1
C-325A	PLAN AND PROFILE - HDD 45, CONDUIT 2
C-326	PLAN AND PROFILE - HDD 46, CONDUIT 1
C-326.1	PLAN AND PROFILE - HDD 46, CONDUIT 1
C-326.2	PLAN AND PROFILE - HDD 46, CONDUIT 1
C-326A	PLAN AND PROFILE - HDD 46, CONDUIT 2
C-326A.1	PLAN AND PROFILE - HDD 46, CONDUIT 2
C-326A.2	PLAN AND PROFILE - HDD 46, CONDUIT 2
C-327	PLAN AND PROFILE - HDD 47, CONDUIT 1
C-327A	PLAN AND PROFILE - HDD 47, CONDUIT 2
C-328	PLAN AND PROFILE - HDD 49, CONDUIT 1
C-328.1	PLAN AND PROFILE - HDD 49, CONDUIT 1
C-328A	PLAN AND PROFILE - HDD 49, CONDUIT 2
C-328A.1	PLAN AND PROFILE - HDD 49, CONDUIT 2
C-329	PLAN AND PROFILE - HDD 50, CONDUIT 1
C-329A	PLAN AND PROFILE - HDD 50, CONDUIT 2
PACKAGE 3: EROSION AND SEDIMENT CONTROL PLANS	
C-400	E&S KEYPLAN
C-401	STA. 30000+00 TO STA. 30030+00 EROSION AND SEDIMENT CONTROL PLAN
C-402	STA. 30030+00 TO STA. 30060+00 EROSION AND SEDIMENT CONTROL PLAN
C-403	STA. 30060+00 TO A-P3-6+50 EROSION AND SEDIMENT CONTROL PLAN
C-404	A-P3-6+50 TO A-P3-36+50 EROSION AND SEDIMENT CONTROL PLAN
C-405	A-P3-36+50 TO A-P3-86+50 EROSION AND SEDIMENT CONTROL PLAN
C-406	A-P3-86+50 TO A-P3-96+50 EROSION AND SEDIMENT CONTROL PLAN

C-407	A-P3-96+50 TO STA. 30210+00 EROSION AND SEDIMENT CONTROL PLAN
C-408	STA. 30210+00 TO STA. 30240+00 EROSION AND SEDIMENT CONTROL PLAN
C-409	STA. 30240+00 TO STA. 30270+00 EROSION AND SEDIMENT CONTROL PLAN
C-410	STA. 30270+00 TO STA. 30300+00 EROSION AND SEDIMENT CONTROL PLAN
C-411	STA. 30300+00 TO STA. 30330+00 EROSION AND SEDIMENT CONTROL PLAN
C-412	STA. 30330+00 TO STA. 30360+00 EROSION AND SEDIMENT CONTROL PLAN
C-413	STA. 30360+00 TO STA. 30390+00 EROSION AND SEDIMENT CONTROL PLAN
C-414	STA. 30390+00 TO STA. 30420+00 EROSION AND SEDIMENT CONTROL PLAN
C-415	STA. 30420+00 TO STA. 30450+00 EROSION AND SEDIMENT CONTROL PLAN
C-416	STA. 30450+00 TO STA. 30480+00 EROSION AND SEDIMENT CONTROL PLAN
C-417	STA. 30480+00 TO STA. 30510+00 EROSION AND SEDIMENT CONTROL PLAN
C-418	STA. 30510+00 TO STA. 30540+00 EROSION AND SEDIMENT CONTROL PLAN
C-419	STA. 30540+00 TO STA. 30570+00 EROSION AND SEDIMENT CONTROL PLAN
C-420	STA. 30570+00 TO STA. 30600+00 EROSION AND SEDIMENT CONTROL PLAN
C-421	STA. 30600+00 TO STA. 30630+00 EROSION AND SEDIMENT CONTROL PLAN
C-422	STA. 30630+00 TO STA. 30660+00 EROSION AND SEDIMENT CONTROL PLAN
C-423	STA. 30660+00 TO STA. 30690+00 EROSION AND SEDIMENT CONTROL PLAN
C-424	STA. 30690+00 TO STA. 30720+00 EROSION AND SEDIMENT CONTROL PLAN
C-425	STA. 30720+00 TO STA. 30750+00 EROSION AND SEDIMENT CONTROL PLAN
C-426	STA. 30750+00 TO STA. 30780+00 EROSION AND SEDIMENT CONTROL PLAN
C-427	STA. 30780+00 TO STA. 30810+00 EROSION AND SEDIMENT CONTROL PLAN
C-428	STA. 30810+00 TO STA. 30840+00 EROSION AND SEDIMENT CONTROL PLAN
C-429	STA. 30840+00 TO STA. 30870+00 EROSION AND SEDIMENT CONTROL PLAN
C-430	STA. 30870+00 TO STA. 30900+00 EROSION AND SEDIMENT CONTROL PLAN
C-431	STA. 30900+00 TO STA. 30930+00 EROSION AND SEDIMENT CONTROL PLAN
C-432	STA. 30930+00 TO STA. 30960+00 EROSION AND SEDIMENT CONTROL PLAN
C-433	STA. 30960+00 TO STA. 30990+00 EROSION AND SEDIMENT CONTROL PLAN
C-434	STA. 30990+00 TO STA. 31020+00 EROSION AND SEDIMENT CONTROL PLAN
C-435	STA. 31020+00 TO STA. 31050+00 EROSION AND SEDIMENT CONTROL PLAN
C-436	STA. 31050+00 TO STA. 31080+00 EROSION AND SEDIMENT CONTROL PLAN
C-437	STA. 31080+00 TO STA. 31110+00 EROSION AND SEDIMENT CONTROL PLAN
C-438	STA. 31110+00 TO STA. 31140+00 EROSION AND SEDIMENT CONTROL PLAN
C-439	STA. 31140+00 TO STA. 31170+00 EROSION AND SEDIMENT CONTROL PLAN
C-440	STA. 31170+00 TO STA. 31200+00 EROSION AND SEDIMENT CONTROL PLAN
C-441	STA. 31200+00 TO STA. 31230+00 EROSION AND SEDIMENT CONTROL PLAN
C-442	STA. 31230+00 TO STA. 31260+00 EROSION AND SEDIMENT CONTROL PLAN
C-443	STA. 31260+00 TO STA. 31290+00 EROSION AND SEDIMENT CONTROL PLAN
C-444	STA. 31290+00 TO STA. 31320+00 EROSION AND SEDIMENT CONTROL PLAN
C-445	STA. 31320+00 TO STA. 31350+00 EROSION AND SEDIMENT CONTROL PLAN
C-446	STA. 31350+00 TO STA. 31380+00 EROSION AND SEDIMENT CONTROL PLAN
C-447	STA. 31380+00 TO STA. 31384+30 EROSION AND SEDIMENT CONTROL PLAN
PACKAGE 3: MAINTENANCE AND PROTECTION OF TRAFFIC PLANS	
C-501	WORK ZONE TRAFFIC CONTROL NOTES, LEGEND AND ABBREVIATIONS
C-502	WORK ZONE TRAFFIC CONTROL NOTES
C-503	WORK ZONE TRAFFIC CONTROL DETAILS
C-504	WORK ZONE TRAFFIC CONTROL DETAILS
C-505	WORK ZONE TRAFFIC CONTROL DETAILS
C-506	WORK ZONE TRAFFIC CONTROL DETAILS
C-507	WORK ZONE TRAFFIC CONTROL DETAILS
C-508	WORK ZONE TRAFFIC CONTROL DETAILS
C-509	WORK ZONE TRAFFIC CONTROL DETAILS
PACKAGE 3: DETAILS: ESC DETAILS	
C-601	EROSION AND SEDIMENT CONTROL DETAILS
C-602	EROSION AND SEDIMENT CONTROL DETAILS
C-603	EROSION AND SEDIMENT CONTROL DETAILS
PACKAGE 3: DETAILS: EM&CP DETAILS	
C-611	WETLAND CROSSING DETAILS
C-612	WATERBAR DETAILS
C-613	WETLAND WORKING SURFACES PLAN
PACKAGE 3: DETAILS: CONSTRUCTION AND INSTALLATION DETAILS	
C-621	TRENCHING DETAILS
C-622	TYPICAL ACCESS ROAD CROSS SECTIONS
C-623	TYPICAL ACCESS ROAD CROSS SECTIONS
C-624	TYPICAL CULVERT SECTION (1 OF 3)
C-625	TYPICAL CULVERT SECTION (2 OF 3)
C-626	TYPICAL CULVERT SECTION (3 OF 3)
PACKAGE 3: DETAILS: RESTORATION DETAILS	
C-631	SURFACE RESTORATION DETAILS
PACKAGE 3: DETAILS: HDD DETAILS	
C-641	HDD 21B RAILROAD CROSS SECTION CUT
C-641.1	HDD 21B RAILROAD CROSS SECTION CUT
C-642	HDD 22 RAILROAD CROSS SECTION CUT
C-642.1	HDD 22 RAILROAD CROSS SECTION CUT
C-643	HDD 24 RAILROAD CROSS SECTION CUT
C-643.1	HDD 24 RAILROAD CROSS SECTION CUT
C-643A	HDD 24A RAILROAD CROSS SECTION CUT
C-643A.1	HDD 24A RAILROAD CROSS SECTION CUT

C-644	HDD 25 RAILROAD CROSS SECTION CUT
C-644.1	HDD 25 RAILROAD CROSS SECTION CUT
C-645	HDD 25A RAILROAD CROSS SECTION CUT
C-645.1	HDD 25A RAILROAD CROSS SECTION CUT
C-646	HDD 26 RAILROAD CROSS SECTION CUT
C-646.1	HDD 26 RAILROAD CROSS SECTION CUT
C-647	HDD 27 RAILROAD CROSS SECTION CUT
C-647.1	HDD 27 RAILROAD CROSS SECTION CUT
C-648	HDD 28 RAILROAD CROSS SECTION CUT
C-648.1	HDD 28 RAILROAD CROSS SECTION CUT
C-649	HDD 29 RAILROAD CROSS SECTION CUT
C-649.1	HDD 29 RAILROAD CROSS SECTION CUT
C-650	HDD 30 RAILROAD CROSS SECTION CUT
C-650.1	HDD 30 RAILROAD CROSS SECTION CUT
C-651	HDD 31 RAILROAD CROSS SECTION CUT
C-651.1	HDD 31 RAILROAD CROSS SECTION CUT
C-652	HDD 32 RAILROAD CROSS SECTION CUT
C-652.1	HDD 32 RAILROAD CROSS SECTION CUT
C-653	HDD 32A RAILROAD CROSS SECTION CUT
C-653.1	HDD 32A RAILROAD CROSS SECTION CUT
C-654	HDD 33 RAILROAD CROSS SECTION CUT
C-654.1	HDD 33 RAILROAD CROSS SECTION CUT
C-655	HDD 35 RAILROAD CROSS SECTION CUT
C-655.1	HDD 35 RAILROAD CROSS SECTION CUT
C-656	HDD 36 RAILROAD CROSS SECTION CUT
C-656.1	HDD 36 RAILROAD CROSS SECTION CUT
C-657	HDD 37 RAILROAD CROSS SECTION CUT
C-657.1	HDD 37 RAILROAD CROSS SECTION CUT
C-658	HDD 38 RAILROAD CROSS SECTION CUT
C-658.1	HDD 38 RAILROAD CROSS SECTION CUT
C-658.2	HDD 38 RAILROAD CROSS SECTION CUT
C-658.3	HDD 38 RAILROAD CROSS SECTION CUT
C-659	HDD 39 RAILROAD CROSS SECTION CUT
C-659.1	HDD 39 RAILROAD CROSS SECTION CUT
C-660	HDD 40 RAILROAD CROSS SECTION CUT
C-660.1	HDD 40 RAILROAD CROSS SECTION CUT
C-661	HDD 41 RAILROAD CROSS SECTION CUT
C-661.1	HDD 41 RAILROAD CROSS SECTION CUT
C-662	HDD 42 RAILROAD CROSS SECTION CUT
C-662.1	HDD 42 RAILROAD CROSS SECTION CUT
C-663	HDD 43 RAILROAD CROSS SECTION CUT
C-663.1	HDD 43 RAILROAD CROSS SECTION CUT
C-664	HDD 44 RAILROAD CROSS SECTION CUT
C-664.1	HDD 44 RAILROAD CROSS SECTION CUT
C-665	HDD 45 RAILROAD CROSS SECTION CUT
C-665.1	HDD 45 RAILROAD CROSS SECTION CUT
C-666	HDD 46 RAILROAD CROSS SECTION CUT
C-666.1	HDD 46 RAILROAD CROSS SECTION CUT
C-667	HDD 47 RAILROAD CROSS SECTION CUT
C-667.1	HDD 47 RAILROAD CROSS SECTION CUT
C-668	HDD 49 RAILROAD CROSS SECTION CUT
C-668.1	HDD 49 RAILROAD CROSS SECTION CUT
C-668.2	HDD 49 RAILROAD CROSS SECTION CUT
C-668.3	HDD 49 RAILROAD CROSS SECTION CUT
C-669	HDD 50 RAILROAD CROSS SECTION CUT
C-669.1	HDD 50 RAILROAD CROSS SECTION CUT
PACKAGE 3: STRUCTURAL PLANS	
S-711	FRP LINK BOX HANDHOLES
S-705	STRUCTURAL GENERAL NOTES AND ABBREVIATIONS
S-715	HDD TRANSITION BOX MANHOLES DETAILS
S-720	REINFORCING TRAY OVER UTILITIES
S-721	REINFORCING TRAY DETAILS
S-771	FRP COMMUNICATION HANDHOLES
PACKAGE 3: ELECTRICAL PLANS	
C-801	ABOVE GROUND MARKING DETAILS
C-807	SPLICE VAULT AND CABLE MARKING DETAILS
C-808	TYPICAL OPEN PIT SPLICE CASING DETAILS
C-809	OPEN PIT SPLICE GROUNDING DETAILS
PACKAGE 3: COMMUNICATIONS PLANS	
C-853	OPEN VAULT WITH FIBER OPTIC HAND HOLE
C-854	FIBER OPTIC HAND HOLE DETAILS
C-855	FIBER OPTIC SPLICE DIAGRAM

04/05/2023
XXX

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
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





















LEGEND & ABBREVIATIONS

	EXIST. FIBER OPTIC LINE HANDHOLE
	EXIST. FIBER OPTIC LINE PEDESTAL
	EXIST. FIBER OPTIC LINE DOGHOUSE
	EXIST. FIBER OPTIC LINE MANHOLE
	EXIST. FIBER OPTIC LINE VAULT
	EXIST. FIBER OPTIC LINE BORE PIT
	EXIST. FIBER OPTIC LOCK BOX
	EXIST. GROUND ROD
	EXIST. FIBER OPTIC MARKER POST
	EXIST. FIBER OPTIC BOX
	EXIST. FIBER STORAGE
	EXIST. FIRE HYDRANT
	EXIST. WATER VALVE
	EXIST. WATER MANHOLE
	EXIST. WATER MARKER
	EXIST. SANITARY SEWER MANHOLE
	EXIST. SANITARY SEWER VENT
	EXIST. STORM SEWER MANHOLE
	EXIST. STORM SEWER CATCH BASIN
	EXIST. CULVERT INVERT
	EXIST. GAS MANHOLE
	EXIST. GAS VALVE
	EXIST. GAS MARKER
	EXIST. GAS PIPELINE VENT
	EXIST. LIGHT POLE
	EXIST. UTILITY POLE
	EXIST. ELEC. POLE
	EXIST. TRAFFIC LIGHT
	EXIST. ELEC. METER
	EXIST. ELEC. MANHOLE
	EXIST. ELEC. TRANSFORMER
	EXIST. ELEC. VAULT
	EXIST. ELEC. HANDHOLE
	EXIST. ELEC. PEDESTAL/BOX
	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
	EXIST. TELE. MARKER POST
	EXIST. TELE. JUNCTION BOX
	EXIST. TRAFFIC SIGNAL BOX
	EXIST. CELL TOWER
	EXIST. CABLE BOX
	EXISTING MANHOLE UNKNOWN
	EXISTING UTILITY BOX UNKNOWN
	EXISTING ANTENNA
	EXISTING CAPPED IRON ROD
	EXISTING IRON PIPE
	EXISTING CONCRETE MONUMENT
	EXISTING POST
	EXISTING REFLECTOR MARKER
	EXISTING SYMBOL

	EXISTING SIGN
	EXIST. STRUCTURE POST
	EXIST. STRUCTURE MAILBOX
	EXIST. GAS LINE
	EXIST. UNDERGROUND TELE.
	EXIST. FIBER OPTIC
	EXIST. OVERHEAD TELE.
	EXIST. UNDERGROUND ELEC.
	EXIST. OVERHEAD ELEC.
	EXIST. CULVERT
	EXIST. SANITARY SEWER
	EXIST. STORM SEWER
	EXIST. POTABLE WATER LINE
	EXIST. FUEL LINE
	EXIST. RAILROAD TRACK
	CERTIFIED ROUTE PROVIDED BY CHPE KMZ
	RANDALL PREFERRED PROVIDED BY CHPE KMZ
	EXIST. CONTOUR, INDEX
	EXIST. CONTOUR, DEPRESSION INDEX
	EXIST. CONTOUR, INTERMEDIATE
	EXIST. CONTOUR, DEPRESSION INTERMEDIATE
	EXIST. SPOT ELEVATION
	EXIST. DEBRIS
	EXIST. FIELD LINE
	EXIST. LANDSCAPE AREA
	EXIST. PILE
	EXIST. STORAGE AREA
	EXIST. NATURAL BOULDER
	EXIST. NATURAL SHRUB LINE
	EXIST. NATURAL TREE LINE
	EXIST. NATURAL SINGLE TREE/BUSH
	EXIST. STRUCTURAL BUILDING
	EXIST. PAVED DRIVE
	EXIST. PAVED ROAD
	EXIST. PAVED SHOULDER
	EXIST. PAVED SIDEWALK
	EXIST. GUARDRAIL
	EXIST. TRAIL
	EXIST. FENCE
	EXIST. WALL
	EXIST. RETAINING WALL
	EXIST. RIGHT-OF-WAY
	EXIST. ABUTTER

NOTE:

1. LIMIT OF WORK (LOW) – THE BOUNDARY IN WHICH ALL CONSTRUCTION ACTIVITIES, STOCKPILES MATERIAL, EQUIPMENT STORAGE, ACCESS, PARKING, GRADING, LANDSCAPING, RESTORATION, AND ANY OTHER CONSTRUCTION RELATED ACTIVITIES 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).

	EXIST. WETLANDS
	EXIST. WETLAND FLAG
	PEM – PALUSTRINE EMERGENT
	PSS – PALUSTRINE SCRUB-SHRUB
	PFO – PALUSTRINE FORESTED
	PUB – PALUSTRINE UNCONSOLIDATED BOTTOM
	L1 – LACUSTRINE LIMNETIC
	L2 – LACUSTRINE LITTORAL
	NYSDEC FW 100–FOOT ADJACENT BUFFER AREA
	GIS HISTORICAL WETLAND BOUNDARY
	ESA 5 HABITAT (AVOID)
	ESA 5 HABITAT
	200’ ESA 5 BUFFER
	JD BOUNDARY
	PROP. WETLAND PROTECTION FENCE
	PROP. COMPOST FILTER SOCK (OR SILT SOCK)
	PROP. TEMP MAJOR CONTOUR
	PROP. TEMP MINOR CONTOUR
	PROP. LIMITS OF WORK/DISTURBANCE
	PROP. LIMITS OF CLEARING/LIMITS OF WORK IN CLEARING AREAS
	PROP. CONCRETE WASHOUT
	PROP. TEMP ACCESS ROAD RTE (EXISTING ROAD OR SURFACE)
	PROP. TEMP REFURBISHED ACCESS ROAD
	PROP. TEMP ACCESS ROAD OR OFF SITE ACCESS ROAD
	PROP. TEMP TIMBER MATTING OR TEMP GEOTEXTILE FABRIC AND STONE
	PROP. SPLICE LOCATION
	PROP. SPLICE VAULT
	PROP. LINK BOX HANDHOLE
	PROP. FIBER SPLICE HANDHOLE
	PROP. BORING LOCATION
	PROP. ALIGNMENT STATIONING
	PROP. ALIGNMENT CENTERLINE
	PROP. LAYDOWN YARDS, PARKING, STORAGE & MUSTER AREA
	PROP. WORK AREAS
	PROP. TEMP EASEMENT
	PROP. PERM EASEMENT
	PROP. TEMP ACCESS EASEMENT

APP	APPROVED
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
DB	DESIGNED BY
DEC	NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DEG	DEGREES
DR	DRIVE
DZ	DEVIATION ZONE
E	EASTING
ELECTRIC	ELECTRIC CABLE
ELEV	ELEVATION
EXIST	EXISTING
FIBER	FIBER OPTIC CABLE
FT	FEET
GAS	GAS PIPE
H	HORIZONTAL
HDD	HORIZONTAL DIRECTIONAL DRILLING
HVDC	HIGH–VOLTAGE DIRECT CURRENT TRANSMISSION LINE
INV	INVERT ELEVATION
LOW	LIMITS OF WORK
LT	LEFT
MAX	MAXIMUM
MIN	MINIMUM
N	NORTHING
NO	NUMBER
NY	NEW YORK
P#	PACKAGE #
PERM	PERMANENT
PROP.	PROPOSED
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
REV	REVISION
ROW	RIGHT–OF–WAY
RT	RIGHT
RTE	ROUTE
SEWER	SANITARY SEWER PIPE
SH	SHEET
ST	STREET
STA	STATION
STORM	STORM DRAIN PIPE
TELECOM	TELECOMMUNICATIONS CABLE
TEMP	TEMPORARY
TR	THERMAL RESISTIVITY
TYP	TYPICAL
V	VERTICAL
WATER	WATERLINE



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

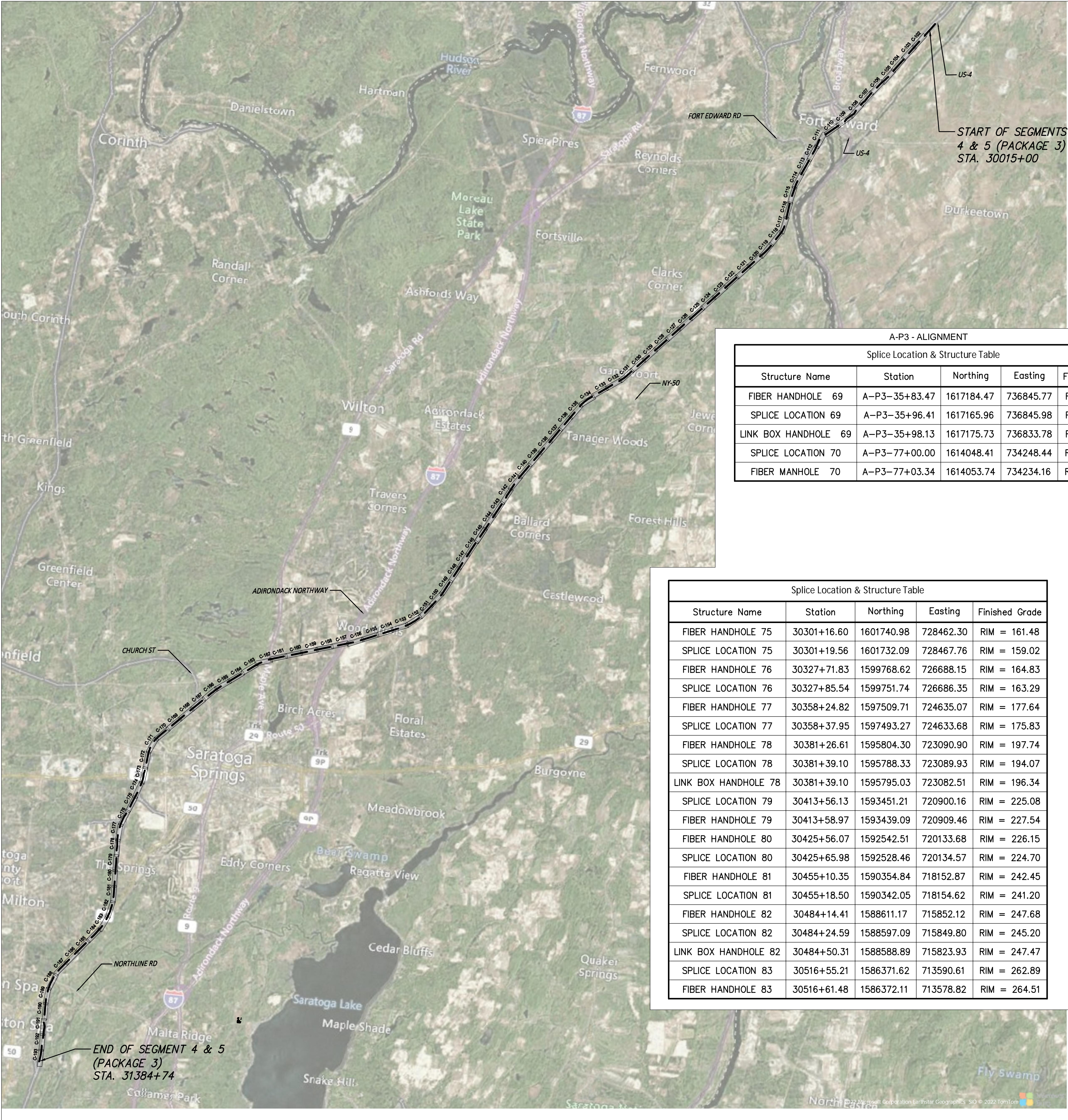
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CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
LEGEND AND ABBREVIATIONS

DRAWN BY: xxx DESIGNED BY: xxx APPROVED BY: xxx SCALE AS NOTED REV. NO. x

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	G-004
DATE	04/05/2023
SH.NO.	xxx

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PLAN AND PROFILE KEY MAP
SCALE: 1" = 6000'

Splice Location & Structure Table				
Structure Name	Station	Northing	Easting	Finished Grade
FIBER HANDHOLE 75	30301+16.60	1601740.98	728462.30	RIM = 161.48
SPLICE LOCATION 75	30301+19.56	1601732.09	728467.76	RIM = 159.02
FIBER HANDHOLE 76	30327+71.83	1599768.62	726688.15	RIM = 164.83
SPLICE LOCATION 76	30327+85.54	1599751.74	726686.35	RIM = 163.29
FIBER HANDHOLE 77	30358+24.82	1597509.71	724635.07	RIM = 177.64
SPLICE LOCATION 77	30358+37.95	1597493.27	724633.68	RIM = 175.83
FIBER HANDHOLE 78	30381+26.61	1595804.30	723090.90	RIM = 197.74
SPLICE LOCATION 78	30381+39.10	1595788.33	723089.93	RIM = 194.07
LINK BOX HANDHOLE 78	30381+39.10	1595795.03	723082.51	RIM = 196.34
SPLICE LOCATION 79	30413+56.13	1593451.21	720900.16	RIM = 225.08
FIBER HANDHOLE 79	30413+58.97	1593439.09	720909.46	RIM = 227.54
FIBER HANDHOLE 80	30425+56.07	1592542.51	720133.68	RIM = 226.15
SPLICE LOCATION 80	30425+65.98	1592528.46	720134.57	RIM = 224.70
FIBER HANDHOLE 81	30455+10.35	1590354.84	718152.87	RIM = 242.45
SPLICE LOCATION 81	30455+18.50	1590342.05	718154.62	RIM = 241.20
FIBER HANDHOLE 82	30484+14.41	1588611.17	715852.12	RIM = 247.68
SPLICE LOCATION 82	30484+24.59	1588597.09	715849.80	RIM = 245.20
LINK BOX HANDHOLE 82	30484+50.31	1588588.89	715823.93	RIM = 247.47
SPLICE LOCATION 83	30516+55.21	1586371.62	713590.61	RIM = 262.89
FIBER HANDHOLE 83	30516+61.48	1586372.11	713578.82	RIM = 264.51

Splice Location & Structure Table				
Structure Name	Station	Northing	Easting	Finished Grade
FIBER HANDHOLE 65	30019+45.23	1625175.60	742699.19	RIM = 142.19
LINK BOX HANDHOLE 65	30019+56.75	1625154.36	742708.98	RIM = 141.69
SPLICE LOCATION 65	30019+59.01	1625158.58	742699.26	RIM = 139.77
FIBER HANDHOLE 66	30051+91.65	1622530.83	740816.53	RIM = 142.23
SPLICE LOCATION 66	30052+04.01	1622514.96	740817.57	RIM = 139.83
FIBER HANDHOLE 67	30083+37.48	1620103.19	738848.00	RIM = 133.26
SPLICE LOCATION 67	30083+49.42	1620087.63	738848.69	RIM = 131.41
FIBER HANDHOLE 68	30101+80.52	1618641.52	737768.02	RIM = 141.37
SPLICE LOCATION 68	30101+86.44	1618630.06	737766.12	RIM = 137.54
SEE A-P3 TABLE				
SEE A-P3 TABLE				
SEE A-P3 TABLE				
SEE A-P3 TABLE				
FIBER HANDHOLE 71	30181+70.10	1612367.11	733190.12	RIM = 147.44
SPLICE LOCATION 71	30181+84.84	1612349.62	733193.46	RIM = 147.09
FIBER HANDHOLE 72	30208+02.82	1609922.44	732243.92	RIM = 143.52
SPLICE LOCATION 72	30208+06.04	1609917.13	732254.33	RIM = 140.04
FIBER HANDHOLE 73	30237+68.59	1606995.69	731781.96	RIM = 136.58
SPLICE LOCATION 73	30237+83.43	1606979.89	731790.36	RIM = 134.07
FIBER HANDHOLE 74	30268+70.12	1604204.94	730564.93	RIM = 158.45
SPLICE LOCATION 74	30268+84.55	1604187.40	730565.69	RIM = 157.04
LINK BOX HANDHOLE 74	30268+84.56	1604193.16	730556.55	RIM = 158.50

Splice Location & Structure Table				
Structure Name	Station	Northing	Easting	Finished Grade
FIBER HANDHOLE 84	30542+04.81	1584271.52	712148.09	RIM = 270.39
SPLICE LOCATION 84	30542+15.60	1584256.96	712150.24	RIM = 267.34
SPLICE LOCATION 85	30574+42.93	1581605.70	710322.58	RIM = 278.61
FIBER HANDHOLE 85	30574+47.61	1581607.49	710311.68	RIM = 280.43
SPLICE LOCATION 86	30606+85.54	1578908.65	708531.72	RIM = 301.50
FIBER HANDHOLE 86	30606+93.63	1578906.54	708518.13	RIM = 304.69
LINK BOX HANDHOLE 86	30607+04.05	1578886.10	708535.07	RIM = 304.53
FIBER HANDHOLE 87	30630+39.96	1576790.30	707525.73	RIM = 310.78
SPLICE LOCATION 87	30630+51.39	1576784.10	707512.80	RIM = 305.96
FIBER HANDHOLE 88	30654+06.65	1574703.14	706429.13	RIM = 312.51
SPLICE LOCATION 88	30654+08.25	1574696.47	706438.60	RIM = 309.23
FIBER HANDHOLE 89	30679+54.99	1572485.12	705213.79	RIM = 315.17
SPLICE LOCATION 89	30679+66.92	1572469.92	705217.15	RIM = 313.52
FIBER HANDHOLE 91	30715+03.33	1569340.31	703578.98	RIM = 319.43
SPLICE LOCATION 91	30715+14.70	1569325.60	703582.60	RIM = 317.74
LINK BOX HANDHOLE 91	30715+27.83	1569318.56	703567.68	RIM = 318.89
FIBER HANDHOLE 92	30748+04.28	1566519.07	701891.72	RIM = 324.64
SPLICE LOCATION 92	30748+16.50	1566503.29	701892.22	RIM = 322.69
FIBER HANDHOLE 93	30772+24.40	1564763.03	700243.60	RIM = 321.66
SPLICE LOCATION 93	30772+35.47	1564748.30	700241.28	RIM = 318.59
FIBER HANDHOLE 94	30804+60.91	1563304.33	697391.54	RIM = 320.00
SPLICE LOCATION 94	30804+71.98	1563290.75	697385.38	RIM = 317.36

Splice Location & Structure Table				
Structure Name	Station	Northing	Easting	Finished Grade
FIBER HANDHOLE 95	30829+63.39	1562308.08	695097.88	RIM = 321.85
SPLICE LOCATION 95	30829+71.52	1562316.61	695085.41	RIM = 318.55
FIBER HANDHOLE 96	30849+52.35	1561706.21	693232.92	RIM = 322.25
SPLICE LOCATION 96	30849+62.26	1561693.70	693226.48	RIM = 319.98
LINK BOX HANDHOLE 96	30849+74.66	1561679.62	693217.92	RIM = 321.62
SPLICE LOCATION 97	30880+60.15	1560764.64	690274.34	RIM = 319.62
FIBER HANDHOLE 97	30880+60.51	1560754.20	690277.24	RIM = 323.60
SPLICE LOCATION 98	30911+67.36	1559859.16	687305.73	RIM = 317.89
FIBER HANDHOLE 98	30911+78.45	1559845.77	687299.10	RIM = 323.38
FIBER HANDHOLE 99	30936+91.51	1558605.25	685134.30	RIM = 338.77
SPLICE LOCATION 99	30936+99.42	1558592.52	685134.96	RIM = 336.50
FIBER HANDHOLE 100	30966+88.54	1556792.99	682749.90	RIM = 348.97
SPLICE LOCATION 100	30966+99.42	1556778.40	682747.54	RIM = 346.87
LINK BOX HANDHOLE 100	30967+35.19	1556761.65	682715.21	RIM = 350.99
SPLICE LOCATION 101	30998+88.51	1554622.63	680457.20	RIM = 338.85
FIBER HANDHOLE 101	30998+90.56	1554630.08	680447.16	RIM = 342.36
FIBER HANDHOLE 102	31023+35.64	1552891.12	678732.35	RIM = 332.22
SPLICE LOCATION 102	31023+47.92	1552875.05	678731.31	RIM = 330.28
FIBER HANDHOLE 103	31055+42.98	1550524.39	676599.33	RIM = 327.86
SPLICE LOCATION 103	31055+54.15	1550509.81	676602.81	RIM = 326.20
SPLICE LOCATION 104	31066+87.15	1549426.10	676310.75	RIM = 320.26
FIBER HANDHOLE 104	31067+38.36	1549375.99	676298.08	RIM = 322.22
FIBER HANDHOLE 105	31094+46.24	1546695.78	675964.57	RIM = 316.97
SPLICE LOCATION 105	31094+60.01	1546680.03	675971.02	RIM = 316.24
LINK BOX HANDHOLE 105	31094+71.30	1546671.32	675959.08	RIM = 317.48

Splice Location & Structure Table				
Structure Name	Station	Northing	Easting	Finished Grade
FIBER HANDHOLE 106	31115+45.68	1544712.94	675290.82	RIM = 312.86
SPLICE LOCATION 106	31115+54.25	1544701.28	675296.94	RIM = 315.24
FIBER HANDHOLE 107	31147+58.85	1541704.43	674237.89	RIM = 320.53
SPLICE LOCATION 107	31147+68.70	1541693.60	674246.83	RIM = 319.41
FIBER HANDHOLE 109	31174+43.51	1539031.49	674307.36	RIM = 316.45
SPLICE LOCATION 109	31174+49.67	1539025.34	674317.36	RIM = 317.87
LINK BOX HANDHOLE 110	31209+75.69	1535500.97	674394.81	RIM = 319.13
FIBER HANDHOLE 110	31210+02.73	1535473.48	674375.03	RIM = 318.27
SPLICE LOCATION 110	31210+04.53	1535471.90	674385.06	RIM = 314.81
FIBER HANDHOLE 111	31239+92.15	1532660.22	673615.95	RIM = 318.74
SPLICE LOCATION 111	31240+03.77	1532645.10	673618.48	RIM = 315.99
FIBER HANDHOLE 112	31254+89.69	1531447.44	672749.25	RIM = 309.86
SPLICE LOCATION 112	31255+00.95	1531432.32	672749.96	RIM = 307.66
FIBER HANDHOLE 113	31282+78.11	1529300.31	670999.29	RIM = 325.21
SPLICE LOCATION 113	31282+91.12	1529283.91	670998.61	RIM = 321.93
FIBER HANDHOLE 114	31310+65.87	1527010.44	669431.73	RIM = 304.21
SPLICE LOCATION 114	31310+75.30	1526997.19	669435.40	RIM = 298.87
FIBER HANDHOLE 115	31337+30.45	1524462.24	668930.79	RIM = 237.59
SPLICE LOCATION 115	31337+44.23	1524448.48	668919.15	RIM = 232.36
LINK BOX HANDHOLE 115	31337+51.81	1524440.88	668931.09	RIM = 235.01
SPLICE LOCATION 116	31366+44.59	1521591.06	669169.01	RIM = 287.62
FIBER HANDHOLE 116	31366+45.16	1521590.29	669159.02	RIM = 291.18
FIBER HANDHOLE 117	31383+10.55	1519931.77	669077.97	RIM = 281.43
SPLICE LOCATION 117	31383+24.76	1519916.66	669086.54	RIM = 279.32



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

0	04/05/2023	FINAL EM&CP SUBMISSION				JJE	JPR		
No.	DATE	SUBMITTAL / REVISION DESCRIPTION				DB	APP		

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
PLAN AND PROFILE KEY MAP

DRAWN BY:	JJE	DESIGNED BY:	JTM	APPROVED BY:	JPR	SCALE	AS NOTED	DATE	04/05/2023
						REV. NO.	X	SH.NO.	

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	G-005

Table 7.1 – Segments 4 & 5 – Package 3 Agricultural Lands

Segment/ Package	Parcel ID	Sheet Number	Location (Approximate – See Drawings Details)	Location Description	Anticipated Impacts to Agricultural Activities/Land
S4/P3	65-1-17, 65-1-16.2, 64-2-106.1	C-112 to C-113	30173+50 to 30188+00	South of West River Road, northwest of RR tracks	The majority of construction activity will take place within the RR ROW with the exception of the installation of an access road as described in Table 4.6, splice location 71 work area, and HDD#25 work area. Construction activity is not anticipated to impact active agriculture activities. These parcels are registered with the Saratoga County Agricultural District. All impacts associated with construction will be restored in accordance with 14.5.
S4/P3	64-2-106.2	C-112 to C-113	30173+50 to 30188+00	South of West River Road, southeast of RR tracks	All of the construction activity associated with the installation of the alignment will occur within the RR ROW or northwest of the RR ROW and is not anticipated to impact these agricultural lands that are registered with the Saratoga County Agricultural District.
S4/P3	64-2-55-11, 78-1-7, 78-1-6, 78-1-10, 78-1-13, 78-1-16.1, 78-1-16.2, 78-1-21.112, 78-1-93, 78-1-63.1, 78-1-34	C-113 to C-121	30188+00 to 30313+00	North of Clark Road, west/northwest of RR ROW	The majority of construction activity will take place within the RR ROW with the exception of the installation of temporary access roads, several HDD work areas, and several splice location work areas. These parcels are registered with the Saratoga County Agricultural District. All impacts associated with construction will be restored in accordance with 14.5.
S4/P3	64-2-55-11, 64-2-17, 78-1-8.1, 78-1-11, 78-1-12, 78-1-17.1, 78-1-17.2, 78-1-21.111, 78-1-21.112, 78-1-21.121, 78-1-25.11, 78-1-25.12, 78-1-25.13, 78-1-26, 78-1-93, 78-1-76.1, 78-1-63.1, 78-1-34	C-113 to C-121	30188+00 to 30215+00, 30223+50 to 30313+00	North of Clark Road, east/southeast of RR ROW	All of construction activity will take place within the RR ROW or west/northwest of the RR ROW and is not anticipated to impact these agricultural lands that are registered with the Saratoga County Agricultural District.
S4/P3	78-1-10	C-115	30215+00 to 30223+50	North of Clark Road, east/southeast of RR ROW	The majority of construction activity will take place within the RR ROW or west/northwest of the RR ROW with the exception of the installation of an access road perpendicular to the RR ROW as described in Table 4.6. This parcel is registered with the Saratoga County Agricultural District. All impacts associated with construction will be restored in accordance with 14.5.
S4/P3	91-1-57, 91-1-21.112, 91-1-21.111, 91-1-54, 91-1-35.14	C-121 to C-126	30313+00 to 30379+00	South of Clark Road and north of Mott Road. West/northwest side of RR tracks	The majority of construction activity will take place within the RR ROW with the exception of the installation of HDD#28 and HDD#29 work areas. These parcels are registered with the Saratoga County Agricultural District. All impacts associated with construction will be restored in accordance with 14.5.
S4/P3	91-1-23, 91-1-30, 91-1-45.11, 91-1-46, 91-1-45.4, 91-1-45.2	C-121 to C-126	30313+00 to 30379+00	South of Clark Road and north of Mott Road. East/southeast side of RR tracks	All of construction activity will take place within the RR ROW or west/northwest of the RR ROW and is not anticipated to impact these agricultural lands that are registered with the Saratoga County Agricultural District.
S4/P3	91-1-4, 91-91-1-13, 91-1-27.2	C-126 to C-128	30379+00 to 303410+00	South of Mott Road, west/northwest side of RR tracks	The majority of construction activity will take place within the RR ROW with the exception of the installation of HDD#30 work areas and splice location 78 work area. These parcels are registered with the Saratoga County Agricultural District. All impacts associated with construction will be restored in accordance with 14.5.
S4/P3	91-1-5.1, 91-1-26.11, 104-1-2	C-126 to C-128	30379+00 to 303431+00	South of Mott Road, east/southeast side of RR tracks	All of construction activity will take place within the RR ROW or on the west/northwest or west/northwest of the RR ROW and is not anticipated to impact these agricultural lands that are registered with the Saratoga County Agricultural District.
S4/P3	103-2-22.2	C-131 to C-132	30457+00 to 30473+00	South of Wilton Gansevoort Road north of Gum Spring Road, northwest of the RR tracks	The majority of construction activity will take place within the RR ROW except for a small portion of the alignment to be installed via trenching and the installation of an access road as described in Table 4.6. This parcel is registered with the Saratoga County Agricultural District. All impacts associated with construction will be restored in accordance with 14.5.
S4/P3	103-2-10, 103-3-64	C-132 to C-134	30473+00 30497+00	South of Gum Spring Road. Northwest of the RR tracks	Construction impacts include the installation of the alignment via trenching and the installation of an access road as described in Table 4.6. These parcels are registered with the Saratoga County Agricultural District. All impacts associated with construction will be restored in accordance with 14.5.
S4/P3	103-3-15.2, 103-3-14.111, 103-3-14.121, 103-3-14.2, 103-3-41, 103-3-3-61, 103-3-50, 116-1-71, 116-1-49.11, 116-1-69.12, 116-1-77, 116-1-16, 116-1-21	C-132 to C-140	30474+00 to 30595+00	South of Gum Spring Road, southeast of the RR tracks	All of the construction associated with the installation of the alignment will occur within the RR ROW or on the northwest side of the RR tracks is not anticipated to impact these agricultural lands that are registered with the Saratoga County Agricultural District.
S4/P3	128-1-83.11	C-146 to C-147	30678+00 to 30702+00	Between Scout Road and Edie Road. North and south sides of RR ROW	The majority of construction associated with the installation of the alignment will occur within the RR ROW or on the northwest side of the RR ROW. All impacts associated with the work zone for HDD#33 will be fully restored in accordance with Section 14.5. No impacts to the agricultural lands on the southeast side of the RR ROW are anticipated.
S4/P3	141-1-31.11	C-153 to C-154	30782+00 to 30810+00	Southeast of Putnam Lane and northeast and southeast of Jones road. Both north and south of RR ROW	The majority of construction associated with the installation of the alignment will occur within the RR ROW or directly adjacent to the north side of the ROW with the exception of vegetation and tree clearing, and HDD#36 work areas. All impacts associated with construction will be restored in accordance with Section 14.5. No impacts to the agricultural lands on the south side of the RR ROW are anticipated. These parcels are registered with the Saratoga County Agricultural District.
S4/P3	153-2-29	C-159 to C-160	30872+00 to 30889+00	West of Jones Road and south of Smith Bridge Road, both north and south sides of RR ROW	The majority of construction associated with the installation of the alignment will occur within the RR ROW or directly adjacent to the north side of the ROW with the exception of vegetation and tree clearing, an access road as described in Table 4.6. This parcel is registered with the Saratoga County Agricultural District. All impacts associated with construction will be restored in accordance with 14.5. No impacts to the agricultural lands on the south side of the RR ROW are anticipated.
S5/P3	152-1-78.1	C-167 to C-168	31004+00 to 31012+00	Northeast of Bloomfield Road. Northwest of RR ROW	Impacts to this parcel will be avoided by utilizing HDD#40.
S5/P3	165-1-5, 165-1-4, 165-1-25	C-169 to C-171	31030+00 to 31062+00	West of Denton Road and North of Church Street. North/Northwest of RR ROW	The majority of the construction activity associated with the installation of the alignment will occur within the RR ROW with the exception of a small portion of an access road as described in Table 4.6. However, no construction activity will impact the active areas of agricultural use.
S5/P3	203-1-40.2	C-186	31275+00 to 31284+00	Southeast of Ballston Avenue near Old Ballston avenue. Southeast side of RR ROW	All of the construction activity associated with the installation of the alignment will occur within the RR ROW or on the northwestern side of the RR ROW. No impacts to the agricultural lands on the southeast side of the RR ROW are anticipated.

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

PACKAGE 3 – AGRICULTURAL DISTRICT LANDS

Table 7.2 – Segments 4 & 5 – Package 3 Recreational Areas

Segment/ Package	Recreational Area	Location (Approximate – see Drawings for	Anticipated Impact
S4/P3	New York State Forest	30623+00 to 30675+00	Minor impacts from construction associated with HDD#33 work zone.
S4/P3	Saratoga Sand Plains Wildlife Management Area	30654+00 to 30675+00	Minor impacts from construction associated with HDD#33 work zone.
S4/P3	Wildlife Management Area	30701+00 to 30717+00	Minor impacts from construction associated with an access road as described in Table 4.6.
S4/P3	Wilton Wildlife Preserve & Park	30720+00 to 30733+00	None
S4/P3	Wilton Town Gavin Park	30845+00 to 30858+00	None
S5/P3	Saratoga Golf & Pool Club	31046+00 to 31050+00	None
S5/P3	Doubleday Fields	31361+00 to 31371+00	Minor impacts from clearing as described in Table 8.4 and the construction of an access road as described in Table 4.6.

Note: Table 7.2 identifies the recreational areas within this Package. Section 7.2 describe the procedures to be followed within recreational areas.

PACKAGE 3 – RECREATIONAL AREAS

Table 8.4 – Tree and Vegetation Clearing Locations

Description	Sheet Number	Start Location (Approximate – See Drawings for Details)	Stop Location	Vegetation/ Tree Clearing Method Type	Applicable Environmental Sensitive Area Requirements
Tree & Vegetation Clearing	C-102 to C-105	30017+00	30061+50	Type IV	N/A
Tree & Vegetation Clearing	C-106	30065+50	30069+00	Type I and IV	Wetlands from 30068+50 to 30069+00
Tree & Vegetation Clearing	C-106	A-P3-5+00	A-P3-8+50	Type IV	N/A
Tree & Vegetation Clearing	C-107	A-P3-19+50	A-P3-21+00	Type IV	N/A
Tree & Vegetation Clearing	C-109	A-P3-36+50	A-P3-40+50	Type IV	N/A
Tree & Vegetation Clearing	C-112	A-P3-82+00	A-P3-84+25	Type I and IV	Wetlands from A-P3-83+50 to A-P3-84+25
Tree & Vegetation Clearing	C-112 to C-113	A-P3-89+00	30188+50	Type I and IV	Agricultural Lands, Wetlands from 30183+50 to 30188+50
Tree & Vegetation Clearing	C-114	30202+00	30202+00	Type IV	N/A
Tree & Vegetation Clearing	C-114	30206+50	30206+50	Type IV	N/A
Tree & Vegetation Clearing	C-115	30210+00	30212+50	Type IV	N/A
Vegetation Clearing	C-115	30220+50	30223+50	Type IV	N/A
Tree & Vegetation Clearing	C-213	30220+50	Along Access Drive	Type IV	Agricultural Lands
Tree & Vegetation Clearing	C-116 to C-117	30225+50	30231+50	Type I and IV	Agricultural Lands, Wetlands
Tree & Vegetation Clearing	C-117	30226+00	30233+50	Type I and IV	Wetlands
Tree & Vegetation Clearing	C-117 to C-118	30233+00	30241+50	Type I and IV	Wetlands
Tree & Vegetation Clearing	C-118 to C-119	30261+50	30282+00	Type I and IV	Agricultural Lands and Stream
Tree & Vegetation Clearing	C-120 to C-121	30294+50	30313+00	Type IV	Agricultural Lands, State Wetland Buffer
Tree & Vegetation Clearing	C-121 to C-122	30313+50	30319+00	Type I and IV	Agricultural Lands, Wetlands, State Wetland Buffer
Tree & Vegetation Clearing	C-122 to C-124	30325+00	30379+00	Type I and IV	Agricultural Lands, Wetlands, State Wetland Buffer
Tree & Vegetation Clearing	C-124 to C-126	30383+50	30389+00	Type I and IV	Agricultural Lands, Wetlands, State Wetland Buffer
Vegetation Clearing	C-127	30389+50	30392+50 (Around HDD#30 workzone)	Type I and IV	Agricultural Lands, Wetlands
Tree & Vegetation Clearing	C-128 to C-129	30411+50	30425+00	Type IV	N/A
Tree & Vegetation Clearing	C-129	30430+00	30430+50	Type IV	N/A
Tree & Vegetation Clearing	C-129 to C-130	30431+50	30450+00	Type IV	N/A
Tree & Vegetation Clearing	C-131 to C-132	30452+50	30473+00	Type I and IV	Agricultural Lands, Wetlands
Tree & Vegetation Clearing	C-133 to C-137	30486+50	30546+00	Type I and IV	Agricultural Lands, Wetlands, State Wetland Buffer
Tree & Vegetation Clearing	C-138	30556+00	30566+00	Type I and IV	Wetlands
Tree & Vegetation Clearing	C-139	30572+00	30580+00	Type I and IV	Wetlands
Tree & Vegetation Clearing	C-140	30585+00	30595+00	Type I and IV	Wetlands
Tree & Vegetation Clearing	C-140 to C-142	30596+00	30620+00	Type IV	N/A
Tree & Vegetation Clearing	C-145 to C-149	30674+00	30722+00	Type I and IV	Agricultural Lands, Wetlands
Tree & Vegetation Clearing	C-150 to C-154, C-215	30744+50	30796+00 Including Access Road	Type I	Environmentally Sensitive Area
Tree & Vegetation Clearing	C-151 to C-152	30758+00	30777+00	Type I	Environmentally Sensitive Area
Tree & Vegetation Clearing	C-154 to C-156	30802+00	30840+00	Type IV	Agricultural Lands
Tree & Vegetation Clearing	C-157 to C-159, C-216	30846+50	30878+50	Type IV	Agricultural Lands
Tree & Vegetation Clearing	C-159	30879+50	30888+00	Type IV	Agricultural Lands
Tree & Vegetation Clearing	C-159 to C-160	30882+00	30895+50	Type IV	Agricultural Lands
Tree & Vegetation Clearing	C-159 to C-160	30883+50	30896+00	Type IV	Agricultural Lands
Tree & Vegetation Clearing	C-161, C-217	30907+50	30914+00	Type IV	N/A
Tree & Vegetation Clearing	C-161	30908+00	30910+00	Type IV	N/A
Tree & Vegetation Clearing	C-161 to C-165	30912+50	30914+00	Type IV	N/A
Tree & Vegetation Clearing	C-162	30919+50	30974+50	Type I and IV	Wetlands, Stream
Tree & Vegetation Clearing	C-163	30930+00	30963+50	Type IV	N/A
Tree & Vegetation Clearing	C-166, C-218	30975+00	30989+00	Type I and IV	Wetlands
Tree & Vegetation Clearing	C-166	30987+00	30989+00	Type IV	N/A
Tree & Vegetation Clearing	C-167	30989+50	31002+50	Type I and IV	Wetlands
Tree & Vegetation Clearing	C-167	30990+00	30991+50	Type IV	N/A
Tree & Vegetation Clearing	C-168 to C-170	31015+50	31046+50	Type I and IV	Wetlands
Tree & Vegetation Clearing	C-168 to C-170	31016+50	31038+00	Type I and IV	Wetlands
Tree & Vegetation Clearing	C-171	31050+00	31054+50	Type IV	N/A
Tree & Vegetation Clearing	C-171, C-219	31063+00	31065+00	Type I and IV	Wetlands
Tree & Vegetation Clearing	C-172 to C-173	31068+50	31082+00	Type I and IV	Wetlands
Tree & Vegetation Clearing	C-174, C-220A	31091+00	31103+00	Type IV	N/A
Tree & Vegetation Clearing	C-174 to C-176, C-220A	31105+00	31126+50	Type IV	N/A
Tree & Vegetation Clearing	C-176	31133+00	31134+00	Type I	Environmentally Sensitive Area
Tree & Vegetation Clearing	C-176	31134+50	31135+00	Type I	Environmentally Sensitive Area
Tree & Vegetation Clearing	C-176, C-221	31137+50	31138+50	Type IV	N/A
Tree & Vegetation Clearing	C-178	31157+50	31157+50	Type IV	N/A
Tree & Vegetation Clearing	C-178 to C-182	31163+00	31124+00	Type I and IV	Wetlands
Tree & Vegetation Clearing	C-179 to C-181	31184+50	31205+00	Type I	Wetlands
Tree & Vegetation Clearing	C-181 to C-182	31213+00	31124+00	Type IV	N/A
Tree & Vegetation Clearing	C-182 to C-184	31225+00	31235+50	Type I and IV	Wetlands
Tree & Vegetation Clearing	C-183 to C-187	31238+00	31393+00	Type I and IV	Wetlands
Tree & Vegetation Clearing	C-184 to C-190	31255+50	31340+50	Type I and IV	Wetlands
Tree & Vegetation Clearing	C-187 to C-190	31309+00	31340+50	Type I and IV	Wetlands
Tree & Vegetation Clearing	C-191	31358+50	31362+00	Type I and IV	Wetlands
Tree & Vegetation Clearing	C-191 to C-192	31360+60	31370+00	Type I and IV	Wetlands
Tree & Vegetation Clearing	C-192 to C-193	31374+00	31384+75	Type I and IV	Wetlands

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

1. Wetlands: Section 8.2.1 and 9.1.

2. Stream Crossing: Section 8.2.1 and Section 9.1.

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

4. Agricultural Lands: Section 8.2.2.

PACKAGE 3 – TREE AND VEGETATION CLEARING LOCATIONS

Chapter 4 – Construction Methods	
Topic	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
Inadvertent 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 Joining	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 and Materials Management Plan	4.11 and Appendix L
Culvert Replacement	4.12
Rock Removal	4.13
Inadvertent Damage to Existing Utilities	4.14

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

PACKAGE 3 – CONSTRUCTION METHODS

Table 8.2 – Tree and Vegetation Clearing Methods

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

Table 8.2 summarizes the tree and vegetation clearing methods for this Package. All vegetation and tree clearing and removal will follow the specifications in Section 8.1.

PACKAGE 3 – TREE CLEARING METHODS

NOTE:

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

PACKAGE 3 – EM&CP NOISE SENSITIVE AREAS NOTE

NOTE:

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

PACKAGE 3 – FEMA

NOTE:

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

PACKAGE 3 – CULTURAL RESOURCES

NOTES:

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

2. THE EROSION AND SEDIMENT CONTROL PLANS CAN BE FOUND ON SHEET C-400 TO SHEET C-447 FOR THIS PACKAGE.

PACKAGE 3 – EM&CP EROSION AND SEDIMENT CONTROL NOTES

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
EM&CP DATA TABLES

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	068076
DRAWING NO.	G-011

DRAWN BY:	JJE	DESIGNED BY:	JTM	APPROVED BY:	JPR	SCALE	AS NOTED	DATE	04/05/2023
No.	DATE	SUBMITTAL / REVISION DESCRIPTION			DB	APP	REV. NO.	SH.NO.	



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.

Table 4.6 – Access Roads in Segments 4 & 5 – Package 3

Segment/ Package	Sheet Number	Location (Approximate – see Drawings for Details)	Access Road Description	Parcel ID	Type of Access Road	Impacts to Env. Sensitive Areas	Impacts to Agricultural Land	Access Road Crosses Railroad
S4/P3	C-102 to C-106	End of Package 2 to 30090+00	Access road on the northwest side of RR tracks starting at the beginning of Package 3 and ending at the start of the Village of Fort Edward	163 -2-1.3, 163 -2-22, 163 -2-20, 163 -2-16, 163 -2-19.1, 163.18-3-35	Type 3	No	No	No
S4/P3	C-104/C-210	30057+00	Access Drive CP Rail MP 56.57	163 -2-20, 163 -2-16, 163.18-3-35	Type 3	No	No	No
S4/P3	C-106/C-210A	30085+00	Access Drive at 30085+00	163.15-1-6	Type 2, 4, 4A	Yes - Wetlands	No	No
S4/P3	C-111	A-P3-72+50 to A-P3-74+00	Access Road off Mill Site Rd to access HDD Work Area	65.-1-9	Type 3	No	No	No
S4/P3	C-112 to C-115	A-P3-88+00 to 30212+75	Access road located on northwest side of RR tracks starting at West River Road and ending at HDD#25A work zone.	65.-1-16.1, 65.-1-17, 65.-1-16.2, 64.-2-103.1, 64.-2-55.1, 78.-1-7	Type 3, 4, 4A, 5	Yes - Wetlands	Yes – access road constructed on several parcels of agricultural land adjacent to RR ROW.	No
S4/P3	C-115/C-213	30220+75	Temporary Access Road CP Rail MP 53.51.	78.-1-10	Type 3, 4, 4A, 5	Yes - Wetlands	Yes – access road constructed on agricultural land parcel perpendicular to RR ROW.	No
S4/P3	C-115 to C-117	30220+50 to 30241+25	Access road starts on east side of RR ROW, crosses tracks to west side of RR ROW and is parallel to the alignment before ending at HDD#26 work area	65.-1-16.1, 78.-1-6, 78.-1-13, 78.-1-16.1, 78.-1-16.2, 78.-1-21.112	Type 3, 4, 4A, 5	Yes - Wetlands and Stream Crossing	Yes – access road constructed on several parcels of agricultural land adjacent to RR ROW.	Yes
S4/P3	C-118 to C-121	30262+25 to 30313+00	Access road located on west/northwest side of RR tracks starting at HDD#26 work zone and ending at Clark Road.	78.-1-93, 65.-1-16.1, 78.-1-63.1, 78.-1-34	Type 3, 5	No	Yes – minor impacts from HDD work area (HDD#26 & 27), splice location (74, 75) work areas, and small portion along alignment to avoid culvert (30307+00).	No
S4/P3	C-121 to C-122	30313+50 to 30318+00	Access road located on west/northwest side of RR tracks starting south of Clark Road and ending at HDD#28 work area.	65.-1-16.1, 91.-1-57	Type 3, 4, 4A, 5	Yes - Wetlands	Yes – minor impacts associated with HDD#28 work area.	No
S4/P3	C-122 to C-126	30326+00 to 30379+00	Access road located on northwest side of RR tracks starting at HDD#28 work zone and ending at Mott Road.	65.-1-16.1, 91.-1-57, 91.-1-54	Type 3, 4, 4A, 5	Yes - Wetlands	Yes - minor impacts associated with HDD work area (HDD #28, 29) and splice location 77 work area.	No
S4/P3	C-126 to C-127	30380+00 to 30392+50	Access road located on the northwest side of RR tracks starting at Mott Road and ending at HDD#30 work zone.	103.-2-17, 91.-1-14	Type 3, 4, 4A, 5	Yes - Wetlands	Yes - minor impacts associated with Splice Location 78 work area and HDD#30 work area.	No
S4/P3	C-128 to C-131	30414+50 to 30452+00	Access road located on northwest side of the RR tracks ending at Schuylerville Road.	103.-2-17, 90.20-1-9, 90.20-1-10, 91.-1-28, 103.8-1-7.1	Type 3	No	No	No
S4/P3	C-129/C-214	30429+50	Temporary Access Road CP Rail MP 49.52	103.-2-17, 103.8-1-7.1	Construction Entrance, Type 3	No	No	No
S4/P3	C-131 to C-132	30452+50 to 30473+00	Access road located on northwest side of the RR tracks starting at Schuylerville Road and ending at Gum Spring Road.	103.-2-17, 103.12-4.2, 103.-2-22.2	Type 3, 4, 4A, 5	Yes - Wetlands	Yes - Parcel 103.-2-22.2	No
S4/P3	C-132 to C-137	30474+00 to 30544+00	Access road located on northwest side of RR tracks starting at Gum Spring Road and ending at HDD#31 and Splice Location #4 work area.	103.-2-17, 103.-2-10, 103.-3-64, 103.-3-45, 103.-3-49, 116.-1-70.2	Type 3, 4, 4A, 5	Yes - Wetlands	Yes - Parcel 103.-2-10, 103.-3-64	No
S4/P3	C-138 to C-140	30558+00 to 30595+50	Access road located on northwest side of RR tracks starting at HDD#31 work area and ending at Pettis Road.	141.-2-48.1, 116.-1-70.1, 116.-1-25	Type 4, 4A	Yes - Wetlands	No	No
S4/P3	C-140 to C-142	30596+00 to 30622+00	Access road located on northwest side of RR tracks starting at Pettis Road and ending at Ballard Road.	141.-2-48.1, 115.-3-44, 115.-3-46, 115.-3-23	Type 3	No	No	No
S4/P3	C-142 to C-143	30622+50 to 30632+00	Access road located on east side of tracks starting at Ballard Road and ending at HDD#32 work zone.	128.-1-8.1, 141.-2-48.1	Type 3	Yes - Environmentall y sensitive area	No	No
S4/P3	C-143 to C-144	30640+00 to 30650+50	Access road located on east side of RR tracks starting at HDD#32A work zone and splice location 87, ending at Scout Road.	141.-2-48.1, 128.-1-18, 128.-1-19.2, 128.-1-19.1	Type 3	Yes - Environmentall y sensitive area	No	No
S4/P3	C-144/C-214A	30649+00	Access drive located north of Scout Road	128.-1-19.1	Construction Entrance, Type 2, 3	Yes - Environmentall y sensitive area	No	No
S4/P3	C-144	30651+50 to 30654+75	Access road located on east side of RR tracks starting at Scout Road and ending at HDD #33 work area.	128.-1-20, 128.-1-21	Type 3	No	No	No
S4/P3	C-146 to C-148	30676+75 to 30716+50	Access road located on northwest side of RR tracks starting at HDD#33 work zone ending at Fidle Road.	141.-2-48.1, 128.-1-7.11, 128.-1-83.11, 128.-1-84	Type 3, 4, 4A, 5	Yes - Wetlands	Yes - minor impacts associated with HDD#33 work zone	No
S4/P3	C-148	30717+00 to 30718+00	Access road located on northwest side of RR tracks starting at Edie Road and ending at HDD#35 work zone.	128.-1-84, 141.-2-48.1	Type 3	No	No	No
S4/P3	C-150 to C-156	30747+00 to 30838+25	Access road located on northwest side of RR tracks starting at HDD#35 work zone crossing Jones Road and ending at HDD#37 work zone.	141.-2-48.1, 141.-2-4.2, 141.-1-29, 141.-1-31.11, 140.-2-55, 140.-2-21	Type 3	Yes - Environmentall y sensitive area	No - Access Road is entirely within RR ROW.	No

Table 4.6 – Access Roads in Segments 4 & 5 – Package 3

Segment/ Package	Sheet Number	Location (Approximate – see Drawings for Details)	Access Road Description	Parcel ID	Type of Access Road	Impacts to Env. Sensitive Areas	Impacts to Agricultural Land	Access Road Crosses Railroad
S4/P3	C-153/C-215	30782+00	Temporary Access Road CP Rail MP 42.56 Access Drive to Putnam Lane.	141.-2-48.1	Construction Entrance, Type 2, 3	Yes - Environmentall y sensitive area	No	No
S4/P3	C-157 to C-159	30846+75 to 30871+00	Access road located on northwest side of RR tracks starting at Adirondack Northway ending at Jones Road.	141.-2-48.1, 140.-2-21.2, 153.-3-102.1	Type 3	No	No	No
S4/P3	C-157/C-216	30850+00	Temporary Access Drive CP Rail MP 41.28	141.-2-48.1, 153.-3-102.1, 153.-2-29, 153.-2-3.	Construction Entrance, Type 2	No	No	No
S4/P3	C-159 to C-160	30871+00 to 30893+40	Access road located on north side of RR tracks starting at Jones Road and ending at HDD#38 work zone.	153.-2-2, 153.-2-28, 141.-2-48.1	Type 3, 5	No	Yes - impacts associated with Splice Location 97 work zone	No
S4/P3	C-161	30909+00 to 30914+00	Access road located on north side of RR tracks starting at HDD#39 work zone.	153.-5-1-16, 153.-5-1-17 zone, 153.-5-1-18, 141.-2-48.1	Type 3	No	No	No
S4/P3	C-161/C-217	30910+00	Temporary access road CP Rail MP 40.13	153.-2-25, 141.-2-48.1	Construction Entrance, Type 2, 3	No	No	No
S5/P3	C-162 to C-166	30920+75 to 30989+00	Access road located on north side of RR tracks ending at Clinton Street.	152.-2-18, 152.-2-16, 141.-2-48.1	Type 4, 4A	Yes - Wetlands	No	No
S5/P3	C-166/C-218	30988+00	Access Drive CP Rail MP 30.70	152.-2-18	Construction Entrance, Type 2	No	No	No
S5/P3	C-167	30990+00 to 31000+00	Access road located on north side of RR tracks starting at Clinton Street.	138.-1-67, 152.-2-16	Type 3, 4, 4A	Yes - Wetlands	No	No
S5/P3	C-168 to C-169	31013+00 to 31025+00	Access road located on north side of RR tracks ending at Denton Road.	178.-1-35.111, 152.-2-16	Type 3, 4, 4A	Yes - Wetlands	No	No
S5/P3	C-169 to C-170	31027+00 to 31042+25	Access road located on north side of RR tracks starting at Denton Road and ending HDD #41 work zone.	178.-1-35.111	Type 3, 4, 4A	Yes - Wetlands	No	No
S5/P3	C-171	31051+25 to 31061+00	Access road located west of the RR tracks starting at HDD#41 work zone and ending at paved parking area north of Church Street.	165.-1-25, 178.-1-35.111	Type 2, 3	No	No	No
S5/P3	C-171/C-219	31063+00	Temporary Access Road CP Rail MP 37.24	165.-2-79, 178.-1-35.111	Construction Entrance, Type 2	No	No	No
S5/P3	C-171 to C-173	31063+00 to 31084+25	Access road located on west side of RR tracks starting at Church Street and ending at a paved roadway north of Washington Street.	178.-1-35.111, 165.-2-79	Type 3, 4, 4A	Yes - Wetlands	Yes - private crossing MP 36.86	No
S5/P3	C-173/C-220	31086+00	Temporary Access Road CP Rail MP 36.81.	165.-2-84, 178.-1-35.111	Type 2	No	No	No
S5/P3	C-173 to C-174	31091+00 to 31102+50	Access road located on west side of RR tracks starting at HDD#43 work zone and ending at Grand Avenue.	165.-2-75, 165.-2-36.1, 178.-1-35.111	Type 3	No	No	No
S5/P3	C-174/C-220A	31102+00 & 31105+00	Access roads on north and south sides of Grand Avenue.	165.-2-36.1, 165.-2-45.2	Type 3	No	No	No
S5/P3	C-174 to C-178	31106+00 to 31158+50	Access road located on west side of RR tracks starting at Grand Avenue and ending at paved driveway north of Geyser Road.	165.-2-45.2, 165.-2-45.1, 178.-1-50.111, 178.-1-35.111	Type 3	Yes - Environmentall y sensitive area	No	No
S5/P3	C-176/C-221	31138+00	Access drive perpendicular to the alignment ending at Grande Blvd.	Grande Blvd ROW	Construction Entrance	No	No	No
S5/P3	C-178 to C-182	31164+50 to 31221+00	Access road located on west side of RR tracks starting at HDD#45 work zone.	178.-3-18, 191.-1-1, 178.-1-35.111	Type 3, 4, 4A	Yes - Wetlands	No	No
S5/P3	C-182/C-222	31223+00	Access drive from HDD#47 work zone to paved roadway north of Ballston Avenue.	191.-1-1	Construction Entrance, Type 2	Yes - Stream Crossing	No	No
S5/P3	C-182 to C-188	31225+50 to 31313+00	Access road located on northwest side of RR tracks starting at Ballston Avenue and ending at Northline Road.	178.-1-35.111, 191.-1-59, 191.-1-50, 191.-1-51, 203.-1-37.1, 203.-1-3, 191.-1-35, 191.-1-34, 190.-2-8, 190.-2-9, 190.-2-15, 190.-2-16, 190.-2-17, 190.-2-18, 190.-2-19, 190.-2-20, 190.-2-21	Type 3, 4, 4A	Yes - Wetlands	No	No
S5/P3	C-184/C-223	31255+50	Temporary Access Road CP Rail MP 33.62	178.-1-35.111, 190.-2-8, 190.-2-9	Construction Entrance, Type 2	Yes - Wetlands	No	No
S5/P3	C-187/C-224	31294+00	Temporary Access Road CP Rail MP 32.93	178.-1-35.111, 203.-1-3	Construction Entrance, Type 2	No	No	No
S5/P3	C-188 to C-190	31313+00 to 31338+00	Access road located on west side of RR tracks starting at Northline Road and ending at HDD#49 work zone.	203.-4-5, 178.-1-35.111, 203.-1-29, 203.11-1-26	Type 3, 4, 4A	Yes - Wetland and Stream Crossing	No	No
S5/P3	C-189/C-225	31321+50	Temporary Access Road CP Rail MP 32.42	203.-4-5	Type 3	No	No	No
S5/P3	C-191 to C-192	31356+75 to 31367+50	Access road located on east side of RR tracks starting south of Malta Avenue ending at HDD#50 work zone.	203.-4-5, 203.-4-7, 203.-4-8.1	Type 3, 4, 4A	Yes - Stream Crossing	No	No
S5/P3	C-192 to C-193	31377+50 to End of Package 3	Access road located on west side of RR tracks starting at HDD#30 work zone ending at East High Street.	216.-2-1, 203.-4-5,	Type 3, 4, 4A	Yes - Wetlands	No	No

Notes: Table 4.6 identifies each proposed access road in Segment 4 and 5 – Package 3, their locations and any sensitive areas that are crossed. For access roads that are perpendicular to the alignment, the disturbance zone in which sensitive areas was evaluated begins at the end of the Railroad or Road ROW. Section 4.10 describes the procedures to be followed during the construction of all access roads.

PACKAGE 3 – ACCESS ROAD

Table 5.2 – Segments 4 & 5 – Package 3 Construction Materials and Equipment Staging Locations

Segment/ Package	Sheet Number	Location (Approximate- see Drawings for Details)	Staging Area Description
S4/P3	C-104	30058+85	HDD 21B Entry Pit
S4/P3	C-105	30068+30	HDD 21B Exit Pit
S4/P3	C-107	A-P3-20+50	HDD-22 Entry Pit
S4/P3	C-108	A-P3-33+20	HDD-22 Exit Pit
S4/P3	C-109	A-P3-74+15	HDD-24 Entry Pit
S4/P3	C-111	A-P3-92+70	HDD-24 Exit Pit
S4/P3	C-112	A-P3-83+85	HDD-24A Entry Pit
S4/P3	C-112	A-P3-92+70	HDD-24A Entry Pit
S4/P3	C-113	30187+20	HDD-25 Entry Pit
S4/P3	C-114	30204+45	HDD-25 Exit Pit
S4/P3	C-115	30213+80	HDD-25A Entry Pit
S4/P3	C-115	30221+50	HDD-25A Exit Pit
S4/P3	C-117	30240+55	HDD-26 Entry Pit
S4/P3	C-118	30261+00	HDD-26 Exit Pit
S4/P3	C-119	30280+75	HDD-27 Entry Pit
S4/P3	C-120	30291+55	HDD-27 Exit Pit
S4/P3	C-122	30318+70	HDD-28 Entry Pit
S4/P3	C-122	30325+15	HDD-28 Exit Pit
S4/P3	C-123	30344+70	HDD-29 Entry Pit
S4/P3	C-124	30355+40	HDD-29 Exit Pit
S4/P3	C-127	30392+40	HDD-30 Entry Pit
S4/P3	C-128	30411+60	HDD-30 Exit Pit
S4/P3	C-137	30545+45	HDD-31 Entry Pit
S4/P3	C-138	30556+15	HDD-31 Exit Pit
S4/P3	C-142	30619+20	HDD-32 Entry Pit
S4/P3	C-142	30627+90	HDD-32 Exit Pit
S4/P3	C-143	30632+85	HDD-32A Entry Pit
S4/P3	C-143	30639+15	HDD-32A Exit Pit
S4/P3	C-144	30656+65	HDD-33 Entry Pit
S4/P3	C-146	30675+20	HDD-33 Exit Pit
S4/P3	C-148	30719+50	HDD-35 Entry Pit
S4/P3	C-150	30745+40	HDD-35 Exit Pit
S4/P3	C-154	30796+30	HDD-36 Entry Pit
S4/P3	C-154	30802+45	HDD-36 Exit Pit
S4/P3	C-156	30839+30	HDD-37 Entry Pit
S4/P3	C-157	30847+00	HDD-37 Exit Pit
S4/P3	C-160	30895+55	HDD-38 Entry Pit
S4/P3	C-161	30910+65	HDD-38 Exit Pit
S4/P3	C-161	30913+95	HDD-39 Entry Pit
S4/P3	C-162	30290+00	HDD-39 Exit Pit
S5/P3	C-167	31001+55	HDD-40 Entry Pit
S5/P3	C-168	31014+35	HDD-40 Exit Pit
S5/P3	C-170	31043+15	HDD-41 Entry Pit
S5/P3	C-171	31050+35	HDD-41 Exit Pit
S5/P3	C-171	31058+50	HDD-42 Entry Pit
S5/P3	C-171	31064+55	HDD-42 Exit Pit
S5/P3	C-173	31081+00	HDD-43 Entry Pit
S5/P3	C-173	31091+55	HDD-43 Exit Pit
S5/P3	C-174	31100+35	HDD-44 Entry Pit
S5/P3	C-174	31100+35	HDD-44 Exit Pit
S5/P3	C-178	31157+00	HDD-45 Entry Pit
S5/P3	C-178	31163+10	HDD-45 Exit Pit
S5/P3	C-179	31176+55	HDD-46 Entry Pit
S5/P3	C-181	31208+00	HDD-46 Exit Pit
S5/P3	C-182	31221+30	HDD-47 Entry Pit
S5/P3	C-182	31227+15	HDD-47 Exit Pit
S5/P3	C-190	31339+70	HDD-49 Entry Pit
S5/P3	C-191	31359+00	HDD-49 Exit Pit
S5/P3	C-192	31369+35	HDD-50 Entry Pit
S5/P3	C-192	31376+40	HDD-51 Exit Pit
See Laydown Yard EM&CP	See Laydown Yard EM&CP	See Laydown Yard EM&CP	Fort Edward Laydown Yard

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

PACKAGE 3 – CONSTRUCTION MATERIAL AND EQUIPMENT STAGING LOCATIONS

Table 9.5 – Invasive Species

Species Name (Scientific Name)	Location
	Wetland ID & Wetland Flag IDs (if applicable)
purple loosestrife (<i>Lythrum salicaria</i>)	Wetland GP3-C (30083+50, C-403)
	Wetland P3-C2 (30159+00, C-406)
	Wetland GP3-G (30187+00, C-407)
	Wetland GP3-H (30189+00, C-407)
	Wetland GP3-P (30216+65, C-407)
	Wetland P3-CC (31013+00, C-434)
	Wetland P3-AA (31017+00 C-434/C-435)
	Wetland P3-DD (31020+25, C-434/C-435)
	Wetland GP3-B (31252+00, C-223, C-442)
	Wetland P3-Pond (31252+00, C-223, C-442)
	Wetland GP3-A (31255+75, C-223, C-442)
	Wetland GP3-R (31271+75, C-443)
common reed (<i>Phragmites australis</i>)	Wetland GP3-V (31318+00, C-445)
	Wetland P3-O (Access Road near 30057+00)
	Wetland GP3-C (30083+50, C-403)
	Wetland GP3-H (30189+00, C-407)
	Wetland GR-YY (30246+00, C-409)
	Wetland C-R-AY (30325+25, C-411)
	Wetland P3-I (30664+23, C-423)
	Wetland P3-ZZ (30888+45, C-430)
	Wetland P3-YY (30893+50, C-431)
	Wetland C2-R-C/P3-BB (31012+25, C-434)
	Wetland C2-R-D (31025+75, C-434)
	Wetland C2-R-E (31028+25, C-435)
narrow-leaf cattail (<i>Typha angustifolia</i>)	Wetland FA -CS (31226+00, C-441)
	Wetland FA-CX (31229+00, C-442)
	Wetland GP3-B (31228+25, C-442)
	Wetland GP3-R (31271+00, C-443)
	Wetland GP3-C (30083+50, C-403)
	Wetland GP3-F (30183+00, C-407)
	Wetland C-R-AU (30487+50, C-417)
	Wetland FA-CH (31007+00, C-434)
	Wetland P3-DD (31020+25, C-434/C-435)
	Wetland P3-AA (31017+00 C-434/C-435)
	Wetland GP3-C (30083+50, C-403)
	Wetland GP3-F (30183+25, C-407)
Eurasian buckthorn (<i>Rhamnus cathartica</i>)	Wetland C-R-AU (30487+50, C-417)
	Wetland FA-CH (31007+00, C-434)
	Wetland P3-DD (31020+25, C-434/C-435)
	Wetland C2-R-E (31028+25, C-435)
	Wetland FA -CM (31179+25, C-440)
	Wetland GP3-W (31309+00, C-444)
	Wetland P3-M (31317+00, C-444)
	Wetland G-R-TT (30062+75, C-403)
	Wetland G-R-UU (30072+25, C-403)
	Wetland P3-I2
	Wetland G-R-VV (30188+50, C-407)
	Wetland G-R-ZZ (30289+00, C-410)
Tatarian honeysuckle (<i>Lonicera tatarica</i>)	Wetland C2-R-E (31028+25 to 31030+75, C-435)
	Wetland C2-R-F (31046+50 to 31048+75, C-435)
	Wetland C2-R-G (31063+50 to 31065+00, C-436)
	Wetland GP3-X
	Wetland C-R-A-W
	Wetland C2-R-F
Morrow's honeysuckle (<i>Lonicera morrowii</i>)	

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Table 4.4B – Facility ROW Ownership and Easements					
Segment/ Package	Sheet	Parcel ID	Description	Location (Approximate Station)	Comments
S4 P3	C-102	163-2-1.3	Temporary and Permanent	30015+00 to 30024+19	Outside deviation zone see Appendix E and Table 1.3
S4 P3	C-102	163-2-22	Temporary and Permanent	30024+21 to 30025+82	Private; NW of RRR ROW
S4 P3	C-102 to C-104	163-2-20	Temporary and Permanent	30025+82 to 30057+12	Private; NW of RRR ROW
S4 P3	C-104	163-2-20	Temporary	30056+73 to 30057+00	Private; NW of RRR ROW
S4 P3	C-104	163-2-16	Temporary	30057+00 to 30057+12	Private; NW of RRR ROW
S4 P3	C-104 to C-105	163-2-16	Temporary	30057+12 to 30060+04	Private; NW of RRR ROW
S4 P3	C-104 to C-105	163-2-16	Permanent	30057+12 to 30063+96	Private; NW of RRR ROW
S4 P3	C-104 to C-105	163-2-16	Temporary	30057+62 to 30063+96	Private; NW of RRR ROW
S4 P3	C-105	163-2-16	Temporary	30061+71 to 30063+96	Private; NW of RRR ROW
S4 P3	C-105	163-2-20.1	Temporary	30063+71 to 30071+98	Private; NW of RRR ROW
S4 P3	C-105	163-2-19.1	Temporary and Permanent	30064+64 to 30065+50	Public; NW of RRR ROW
S4 P3	C-105	163-2-20.2	Temporary and Permanent	30065+50 to 30067+36	Private; NW of RRR ROW
S4 P3	C-105 to C-106	163.15-1.4	Temporary	30071+98 to 30082+01	Private; Fort Edward Laydown Yard, NW of RRR ROW
S4 P3	C-106	163.15-1-16	Temporary	30085+09 to 30085+61	Private; Access Road; NW of RRR ROW
S4 P3	C-107	163.18-1-17	Temporary and Permanent	A-P3-17+00 to A-P3-21+50	Private; NW of RRR ROW
S4 P3	C-108	East Street	Temporary and Permanent	A-P3-31+25 to A-P3-32+00	Public; East Street ROW
S4 P3	C-108	163.18-3-5.1	Temporary and Permanent	A-P3-32+00 to A-P3-33+50	Private; SE of RRR ROW
S4 P3	C-108 to C-109	171.6-2-52	Temporary and Permanent	A-P3-33+50 to A-P3-35+50, A-P3-36+00 to A-P3-41+00	Private; SE of RRR ROW
S4 P3	C-108	Center Street	Temporary and Permanent	A-P3-35+50 to A-P3-36+00	Public; Center Street ROW
S4 P3	C-109	171.6-2-51	Permanent	A-P3-41+00 to A-P3-42+50	Private; SE of RRR ROW
S4 P3	C-109	Canal Street	Permanent	A-P3-42+50 to A-P3-43+10	Public; Canal Street ROW
S4 P3	C-109	163.3-18.35	Permanent	A-P3-43+10 to A-P3-47+00	Private; SE of RRR ROW
S4 P3	C-109	Broadway	Permanent	A-P3-47+00 to A-P3-48+00	Public; Broadway Street ROW
S4 P3	C-109	171.6-4.1	Permanent	A-P3-48+00 to A-P3-51+00	Private; SE of RRR ROW
S4 P3	C-109 to C-111	Hudson River	Permanent	A-P3-51+00 to A-P3-53+25 A-P3-60+50 to A-P3-61+75 A-P3-62+25 to A-P3-68+00	N/A
S4 P3	C-110	171.-5-1-20	Permanent	A-P3-53+25 to A-P3-54+10	Public
S4 P3	C-110	171.10,-1-1.1	Permanent	A-P3-54+10 to A-P3-60+50	Public
S4 P3	C-110	171.10,-1-1.2	Permanent	A-P3-61+75 to A-P3-62+25	Public
S4 P3	C-111	65-1-9	Permanent	A-P3-68+00 to A-P3-82+00	Private
S4 P3	C-111 to C112	65-1-10	Temporary and Permanent	A-P3-82+00 to A-P3-88+00	Private
S4 P3	C-112	W River Road	Temporary	A-P3-88+00 to A-P3-88+50	Public; W River Road ROW
S4 P3	C-112 to C-113	65-1-17	Permanent	A-P3-88+50 to 30182+58	Private; NW of RRR ROW
S4 P3	C-113	65-1-17	Temporary	A-P3-88+50 to A-P3-89+25	Private; NW of RRR ROW
S4 P3	C-113	65-1-16.2	Temporary and Permanent	30182+58 to 30185+39	Public; NW of RRR ROW
S4 P3	C-113	64-2-106.1	Temporary and Permanent	30185+39 to 30187+98	Private; NW of RRR ROW
S4 P3	C-113	64-2-55.11	Permanent	30199+46 to 30207+58	Private; NW of RRR ROW
S4 P3	C-114	64-2-55.11	Temporary	30202+89 to 30207+58	Private; NW of RRR ROW
S4 P3	C-114	64-2-55.11	Temporary	30203+97 to 30207+58	Private; NW of RRR ROW
S4 P3	C-114 to C-115	78-1-7	Temporary	30207+58 to 30217+54	Private; West of RRR ROW
S4 P3	C-114 to C-115	78-1-7	Permanent	30207+58 to 30215+33	Private; West of RRR ROW
S4 P3	C-115	78-1-16	Permanent	30217+46 to 30222+90	Private; West of RRR ROW
S4 P3	C-115	78-1-10	Permanent	30217+54 to 30217+46	Private; West of RRR ROW
S4 P3	C-115	78-1-10	Temporary	30220+38 to 30220+88	Private; Access Road; West of RRR ROW
S4 P3	C-115	78-1-6	Temporary	30220+56 to 30222+90	Private; West of RRR ROW
S4 P3	C-115 to C-116	78-1-13	Temporary and Permanent	30222+90 to 30229+30	Private; West of RRR ROW
S4 P3	C-116	78-1-16.1	Temporary and Permanent	30229+30 to 30232+64	Private; West of RRR ROW
S4 P3	C-116	78-1-16.2	Temporary and Permanent	30232+64 to 30235+81	Private; West of RRR ROW
S4 P3	C-116 to C-117	78-1-21.112	Temporary	30235+81 to 30241+51	Private; West of RRR ROW
S4 P3	C-117	78-1-193	Permanent	30235+81 to 30248+95	Private; West of RRR ROW
S4 P3	C-117	78-1-193	Permanent	30248+95 to 30259+73	Private; West of RRR ROW
S4 P3	C-118	78-1-193	Temporary	30259+73 to 30263+73	Private; West of RRR ROW
S4 P3	C-118 to C-119	78-1-193	Temporary	30267+67 to 30270+33	Private; West of RRR ROW
S4 P3	C-119	78-1-63.1	Temporary	30278+50 to 30281+83	Private; West of RRR ROW
S4 P3	C-119	78-1-63.1	Permanent	30280+49 to 30281+83	Private; West of RRR ROW
S4 P3	C-120	78-1-34	Permanent	30288+43 to 30293+04	Private; West of RRR ROW
S4 P3	C-120	78-1-34	Temporary	30291+34 to 30294+66	Private; West of RRR ROW
S4 P3	C-120 to C-121	78-1-34	Temporary	30299+81 to 30303+74	Private; West of RRR ROW
S4 P3	C-121	78-1-34	Temporary	30305+99 to 30308+36	Private; West of RRR ROW
S4 P3	C-121	Clark Road	Permanent	30312+87 to 30313+63	Public; Clark Road ROW
S4 P3	C-122	91-1-57	Temporary	30316+86 to 30319+32	Private; West of RRR ROW
S4 P3	C-122	91-1-57	Permanent	30318+31 to 30326+27	Private; West of RRR ROW
S4 P3	C-122	91-1-57	Temporary	30325+73 to 30329+77	Private; West of RRR ROW
S4 P3	C-123 to C-124	91-1-54	Temporary	30343+18 to 30345+43	Private; West of RRR ROW
S4 P3	C-123 to C-124	91-1-54	Permanent	30343+64 to 30356+69	Private; West of RRR ROW
S4 P3	C-124 to C-125	91-1-54	Temporary	30354+28 to 30360+28	Private; West of RRR ROW
S4 P3	C-126	91-1-4	Permanent	30379+06 to 30380+00	Public; Mott Road ROW
S4 P3	C-126	91-1-4	Temporary	30380+00 to 30383+69	Private; West of RRR ROW
0	C-126 to C-127	91-1-4	Temporary	30389+05 to 30393+22	Private; West of RRR ROW
S4 P3	C-126 to C-127	91-1-4	Permanent	30389+19 to 30395+75	Private; West of RRR ROW
S4 P3	C-127 to C-128	91-1-27.2	Permanent	30404+78 to 30410+33	Private; West of RRR ROW
S4 P3	C-128	90-20-1-9	Permanent	30410+33 to 30414+39	Private; West of RRR ROW
S4 P3	C-128	90-20-1-9	Temporary	30411+46 to 30414+39	Private; West of RRR ROW
S4 P3	C-128	90-20-1-10	Permanent	30414+39 to 30416+00	Private; West of RRR ROW
S4 P3	C-128	90-20-1-10	Temporary	30414+39 to 30416+00	Private; West of RRR ROW
S4 P3	C-129	103.8-1-7.1	Temporary	30423+99 to 30428+01	Public; West of RRR ROW
S4 P3	C-129	103.8-1-7.1	Permanent	30426+65 to 30428+01	Public; West of RRR ROW
S4 P3	C-129	103.8-1-7.1	Temporary	30428+84 to 30430+69	Public; Access Road; West of RRR ROW
S4 P3	C-129	103.8-1-8	Temporary	30430+00 to 30430+50	Private; Access Road; West of RRR ROW
S4 P3	C-131	Gansevoort Road	Permanent	30451+38 to 30454+53	Public; Gansevoort Road ROW
S4 P3	C-131	Gansevoort Road	Temporary	30453+70 to 30454+53	Public; Gansevoort Road ROW
S4 P3	C-131	103.12-4-2	Temporary and Permanent	30454+53 to 30456+73	Private; NW of RRR ROW
S4 P3	C-131 to C-132	103-2-22.2	Temporary	30464+90 to 30469+00	Private; NW of RRR ROW

Segment / Package	Sheet	Parcel ID	Description	Location (Approximate Station)	Comments
S4 P3	C-132	103-2-22.2	Permanent	30465+17 to 30468+35	Private; NW of RRR ROW
S4 P3	C-132 to C-133	103-2-10	Temporary and Permanent	30474+19 to 30493+71	Private; NW of RRR ROW
S4 P3	C-133	103-2-10	Permanent	30491+28 to 30493+71	Private; NW of RRR ROW
S4 P3	C-133 to C-134	103-3-64	Temporary and Permanent	30493+71 to 30496+87	Private; NW of RRR ROW
S4 P3	C-134	103-3-63	Permanent	30496+87 to 30499+97	Private; NW of RRR ROW
S4 P3	C-134	103-3-63	Temporary	30496+87 to 30498+48	Private; NW of RRR ROW
S4 P3	C-134 to C-135	103-3-45	Permanent	30499+97 to 30517+09	Private; NW of RRR ROW
S4 P3	C-135	103-3-45	Temporary	30515+07 to 30517+09	Private; NW of RRR ROW
S4 P3	C-135	103-3-49	Temporary and Permanent	30517+09 to 30518+63	Private; NW of RRR ROW
S4 P3	C-137	116-1-70.2	Temporary	30540+66 to 30546+03	Private; NW of RRR ROW
S4 P3	C-137	116-1-70.2	Permanent	30543+37 to 30546+03	Private; NW of RRR ROW
S4 P3	C-137 to C-138	116-1-70.1	Permanent	30546+03 to 30564+79	Private; NW of RRR ROW
S4 P3	C-138	116-1-70.1	Temporary	30555+71 to 30558+44	Private; NW of RRR ROW
S4 P3	C-138	116-1-70.1	Temporary	30563+86 to 30564+79	Private; NW of RRR ROW
S4 P3	C-138 to C-139	116-1-25	Permanent	30564+79 to 30594+28	Private; NW of RRR ROW
S4 P3	C-139	116-1-25	Temporary	30564+79 to 30566+08	Private; NW of RRR ROW
S4 P3	C-139	116-1-25	Temporary	30572+95 to 30576+29	Private; NW of RRR ROW
S4 P3	C-140	116-1-25	Temporary	30586+80 to 30589+44	Private; NW of RRR ROW
S4 P3	C-140	116-1-19	Permanent	30594+28 to 30595+46	Private; NW of RRR ROW
S4 P3	C-140	116-1-19	Temporary	30594+84 to 30595+46	Private; NW of RRR ROW
S4 P3	C-140	Pettis Road	Temporary and Permanent	30595+46 to 30596+07	Public; Pettis Road ROW
S4 P3	C-141	115-3-44	Temporary	30605+33 to 30609+02	Private; NW of RRR ROW
S4 P3	C-142	115-3-46	Temporary	30615+98 to 30618+31	Private; NW of RRR ROW
S4 P3	C-142	115-3-46	Permanent	30616+99 to 30618+31	Private; NW of RRR ROW
S4 P3	C-142	115-3-23	Permanent	30618+31 to 30621+86	Private; NW of RRR ROW
S4 P3	C-142	115-3-23	Temporary	30618+31 to 30619+88	Private; NW of RRR ROW
S4 P3	C-142	Ballard Road	Permanent	30621+86 to 30622+40	Public; Ballard Road ROW
S4 P3	C-142 to C-143	128-1-8.1	Permanent	30622+63 to 30634+22	Private; SE of RRR ROW
S4 P3	C-142 to C-143	128-1-8.1	Temporary	30622+63 to 30633+36	Private; SE of RRR ROW
S4 P3	C-143	128-1-99	Permanent	30633+36 to 30638+01	Public
S4 P3	C-143 to C-144	128-1-18	Permanent	30638+01 to 30645+26	Private; SE of RRR ROW
S4 P3	C-143	128-1-18	Temporary	30638+85 to 30641+93	Private; SE of RRR ROW
S4 P3	C-144	128-1-19.2	Permanent	30645+26 to 30647+95	Public; SE of RRR ROW
S4 P3	C-144	128-1-19.1	Permanent	30647+95 to 30650+70	Public; SE of RRR ROW
S4 P3	C-144	128-1-19.1	Temporary	30648+46 to 30650+70	Public; SE of RRR ROW
S4 P3	C-144	Scout Road	Temporary and Permanent	30650+70 to 30651+57	Public; SE of RRR ROW
S4 P3	C-144	128-1-20	Temporary and Permanent	30651+57 to 30653+35	Private; SE of RRR ROW
S4 P3	C-144	128-1-21	Temporary and Permanent	30653+35 to 30654+17	Private; SE of RRR ROW
S4 P3	C-144 to C-145	128-1-24	Permanent	30654+17 to 30669+87	Private; SE of RRR ROW
S4 P3	C-144	128-1-24	Temporary	30654+17 to 30657+34	Private; SE of RRR ROW
S4 P3	C-145 to C-146	128-1-7.111	Permanent	30671+27 to 30678+03	Public; NW of RRR ROW
S4 P3	C-145 to C-146	128-1-7.111	Temporary	30674+02 to 30678+03	Public; NW of RRR ROW
S4 P3	C-146	128-1-83.11	Temporary	30678+03 to 30681+00	Private; NW of RRR ROW
S4 P3	C-148	128-1-84	Temporary	30708+16 to 30709+97	Public; NW of RRR ROW
S4 P3	C-148	128-1-84	Permanent	30708+16 to 30709+72	Public; NW of RRR ROW
S4 P3	C-148	128-1-84	Temporary	30713+21 to 30716+20	Public; NW of RRR ROW
S4 P3	C-148	Edie Road	Temporary and Permanent	30716+20 to 30717+43	Public; Edie Road ROW
S4 P3	C-148	128-1-84	Temporary and Permanent	30717+43 to 30718+00	Public; NW of RRR ROW
S4 P3	C-148 to C-149	141-2-12.1	Temporary	30718+00 to 30721+89	Private; NW of RRR ROW
S4 P3	C-148 to C-150	141-2-12.1	Permanent	30718+00 to 30740+66	Private; NW of RRR ROW
S4 P3	C-150	141-2-37	Permanent	30740+66 to 30742+89	Private; NW of RRR ROW
S4 P3	C-152	141-2-4.2	Temporary	30770+01 to 30772+29	Private; NW of RRR ROW
S4 P3	C-152	141-1-29	Temporary	30772+29 to 30774+27	Private; NW of RRR ROW
S4 P3	C-153	141-1-29	Temporary	30781+72 to 30782+38	Private; Access Road; North of RRR ROW
S4 P3	C-153	Putnam Lane ROW	Temporary	30784+50 to 30788+00	Private; Access Road; North of RRR ROW
S4 P3	C-154	141-1-31.11	Permanent	30795+10 to 30797+69	Private; North of RRR ROW
S4 P3	C-154	Jones Road	Permanent	30797+69 to 30799+62	Public; North of RRR ROW
S4 P3	C-154	141-1-31.11	Permanent	30799+62 to 30803+20	Private; North of RRR ROW
S4 P3	C-154	141-1-31.11	Temporary	30803+20 to 30806+53	Private; North of RRR ROW
S4 P3	C-156	140-2-55	Temporary	30837+10 to 30838+65	Private; North of RRR ROW
S4 P3	C-156	140-2-55	Permanent	30837+49 to 30838+65	Private; North of RRR ROW
S4 P3	C-156	140-2-21.1	Temporary and Permanent	30838+65 to 30839+62	Private; North of RRR ROW
S4 P3	C-156 to C-157	1-87 ROW	Permanent	30839+62 to 30846+11	Public; North of RRR ROW
S4 P3	C-156	1-87 ROW	Temporary	30839+62 to 30839+92	Public; North of RRR ROW
S4 P3	C-157	140-2-21.2	Permanent	30846+11 to 30849+16	Public; North of RRR ROW
S4 P3	C-157	140-2-21.2	Temporary	30846+48 to 30847+92	Public; North of RRR ROW
S4 P3	C-157	140-2-21.2	Temporary	30848+30 to 30849+16	Public; North of RRR ROW
S4 P3	C-157 to C-158	153-3-102.1	Temporary	30849+16 to 30862+00	Private; Access Road; North of RRR ROW
S4 P3	C-157	140-2-25.2	Temporary	30849+16 to 30851+65	Public; Access Road; North of RRR ROW
S4 P3	C-158 to C-159	153-3-6	Permanent	30869+70 to 30870+44	Private; North of RRR ROW
S4 P3	C-159	Jones Road	Permanent	30870+44 to 30871+86	Public; Jones Road ROW
S4 P3	C-159	153-2-29	Permanent	30871+86 to 30872+52	Private; North of RRR ROW
S4 P3	C-159	153-2-29	Temporary	30871+86 to 30881+57	Private; North of RRR ROW
S4 P3	C-160	153-2-2	Temporary and Permanent	30880+19 to 30896+01	Private; North of RRR ROW
S4 P3	C-160	153-2-28	Temporary	30892+17 to 30893+39	Private; North of RRR ROW
S4 P3	C-161	153-6+5	Permanent	30903+30 to 30904+89	Private; North of RRR ROW
S4 P3	C-161	153-6-16	Permanent	30904+04 to 30905+41	Private; North of RRR ROW
S4 P3	C-161	153-6-17	Permanent	30905+41 to 30908+63	Private; North of RRR ROW
S4 P3	C-161	153-2-25	Temporary and Permanent	30908+63 to 30909+03	Private; Access Road; North of RRR ROW
S4 P3	C-161	153-2-25		30908+63 to 30909+03	Private; North of RRR ROW
S4 P3	C-161	1153.3-1-14	Temporary	30909+03 to 30909+20	Private; Access Road; North of RRR ROW
S4 P3	C-161	1153.5-1-14	Permanent	30909+03 to 30910+58	Private; North of RRR ROW
S4 P3	C-161	1153.5-1-14	Temporary	30909+90 to 30910+58	Private; North of RRR ROW
S4 P3	C-161	153.5-1-16	Temporary	30910+58 to 30912+93	Private; North of RRR ROW
S4 P3	C-161	153.5-1-16	Permanent	30911+26 to 30911+99	Private; North of RRR ROW
S4 P3	C-161	153.5-1-17	Temporary and Permanent	30912+93 to 30913+73	Private; North of RRR ROW
S4 P3	C-161	153.5-1-18	Temporary	30913+73 to 30914+39	Private; North of RRR ROW
S4 P3	C-161	153.5-1-18	Permanent	30913+73 to 30914+39	Private; North of RRR ROW
S4 P3	C-161 to C-162	153.5-1-19	Permanent	30914+39 to 30916+30	Private; North of RRR ROW
S4 P3	C-162	Maple Avenue	Permanent	30919+60 to 30920+40	Public; Maple Ave ROW

SEED MIXES

1. PIPELINE MIX W/SWITCHGRASS (ERNMX-102-1)
 - 33.0% PANICUM VIRGATUM, 'SHAWNEE' (SWITCHGRASS, 'SHAWNEE')
 - 25.0% FESTUCA RUBRA (CREEPING RED FESCUE)
 - 18.0% LOLIUM MULTIFLORUM (ANNUAL RYEGRASS)
 - 16.0% PHEUM PRATENSE, CLIMAX (TIMOTHY, CLIMAX)
 - 5.0% TRIFOLIUM HYBRIDUM (ALSIKE CLOVER)
 - 3.0% AGROSTIS ALBA (REDTOP)
3. APPLIED AT A RATE OF 40 LBS/ACRE.

B. ADIRONDACK SEED:

1. MIX COMPOSITION
 - 25% VIRGINIA WILD RYE (ELYMUS VIRGINICUS VAR. VIRGINICUS)
 - 25% CANADA WILD RYE (ELYMUS CANADENSIS)
 - 25% AUTUMN BENTGRASS (AGROSTIS PERENNANS)
 - 25% CAMPER LITTLE BLUESTEM (SCHIZACHYRIUM SCOPARIUM)
2. APPLIED AT A RATE OF 40 LBS/ACRE.

C. SPECIALIZED WETLAND MIX FOR SHADED OBL-FACW AREAS (ERNMX-137)

1. MIX COMPOSITION
 - 35.0% CAREX VULPINOIDEA, PA ECOTYPE (FOX SEDGE, PA ECOTYPE)
 - 20.0% ELYMUS VIRGINICUS, MADISON-NY ECOTYPE (VIRGINIA WILDRYE, MADISON-NY ECOTYPE)
 - 15.0% CAREX SCOPARIA, PA ECOTYPE (BLUNT BROOM SEDGE, PA ECOTYPE)
 - 12.8% CAREX LURIDA, PA ECOTYPE (LURID SEDGE, PA ECOTYPE)
 - 5.0% CAREX LUPULINA, PA ECOTYPE (HOP SEDGE, PA ECOTYPE)
 - 4.0% VERBENA HASTATA, PA ECOTYPE (BLUE VERVAIN, PA ECOTYPE)
 - 2.0% HELIOPSIS HELIANTHOIDES, PA ECOTYPE (OXEYE SUNFLOWER, PA ECOTYPE)
 - 1.0% CAREX INTUMESCENS, PA ECOTYPE (STAR SEDGE, PA ECOTYPE)
 - 1.0% SPARGANUM 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 AGRASS BASED ON SEASON OF RESTORATION AN ANNUAL RYE THROUGH SPRING AND SUMMER AND WINTER.

D. FACW WETLAND MEADOW MIX (ERNMX-122)

2. APPLIED AT A RATE OF 40 LBS/ACRE.

C. SPECIALIZED WETLAND MIX FOR SHADED OBL-FACW AREAS (ERNMX-137)

1. MIX COMPOSITION

- 35.0% CAREX VULPINOIDEA, PA ECOTYPE (FOX SEDGE, PA ECOTYPE)
- 20.0% ELYMUS VIRGINICUS, MADISON-NY ECOTYPE (VIRGINIA WILDRYE, MADISON-NY ECOTYPE)
- 15.0% CAREX SCOPARIA, PA ECOTYPE (BLUNT BROOM SEDGE, PA ECOTYPE)
- 12.8% CAREX LURIDA, PA ECOTYPE (LURID SEDGE, PA ECOTYPE)
- 5.0% CAREX LUPULINA, PA ECOTYPE (HOP SEDGE, PA ECOTYPE)
- 4.0% VERBENA HASTATA, PA ECOTYPE (BLUE VERVAIN, PA ECOTYPE)
- 2.0% HELIOPSIS HELIANTHOIDES, PA ECOTYPE (OXEYE SUNFLOWER, PA ECOTYPE)
- 1.0% CAREX INTUMESCENS, PA ECOTYPE (STAR SEDGE, PA ECOTYPE)
- 1.0% SPARGANIUM AMERICANUM (EASTERN BUR REED)
- 0.7% IRIS VERSICOLOR (BLUEFLAG)
- 0.5% BIDENS CERNUA, PA ECOTYPE (NODDING BUR MARIGOLD, PA ECOTYPE)
- 0.5% CAREX CRINITA, PA ECOTYPE (FRINGED SEDGE, PA ECOTYPE)
- 0.5% CAREX STIPATA, PA ECOTYPE (AWL SEDGE, PA ECOTYPE)
- 0.5% EUPATORIUM PERFOLIATUM, PA ECOTYPE (BONESET, PA ECOTYPE)
- 0.5% SCIRPUS CYPERINUS, PA ECOTYPE (WOOLGRASS, PA ECOTYPE)
- 0.5% VERNONIA NOVEBORACENSIS, PA ECOTYPE (NEW YORK IRONWEED, PA ECOTYPE)
- 0.3% LOBELIA SIPHILITICA, PA ECOTYPE (GREAT BLUE LOBELIA, PA ECOTYPE)
- 0.2% PENTHORUM SEDOIDES, PA ECOTYPE (DITCH STONECROP, PA ECOTYPE)

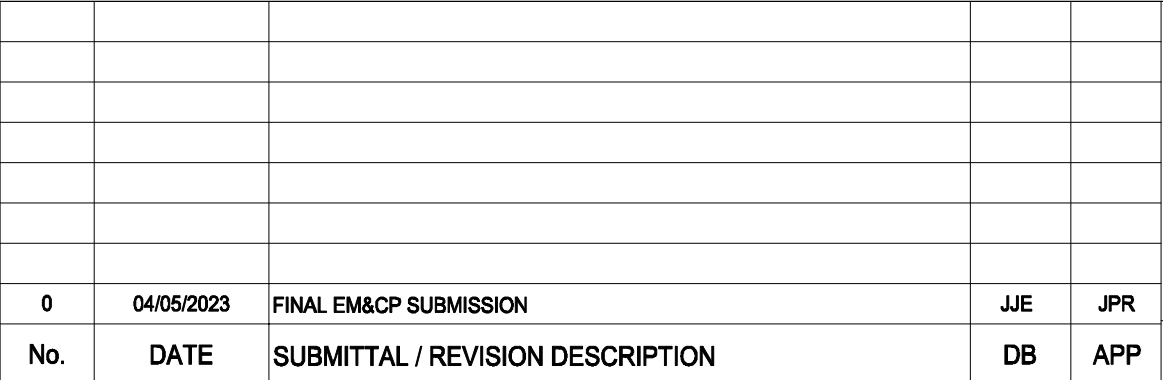
2. APPLIED AT A RATE OF APPROXIMATELY 20 LBS/ACRE, ALONG WITH THE COVER CROP.
3. COVER CROP SHOULD BE APPLIED AT A RATE OF 60-80 LBS/ACRE. COVER CROP TO BE AN ANNUAL CROP BASED ON SEASON OF RESTORATION AN ANNUAL RYE THROUGH SPRING AND SUMMER AND WINTER RYE THROUGH FALL AND WINTER.

D. FACW WETLAND MEADOW MIX (ERNMX-122)

1. MIX COMPOSITION
 - 21.0% CAREX VULPINOIDEA, PA ECOTYPE (FOX SEDGE, PA ECOTYPE)
 - 20.0% ELYMUS VIRGINICUS, PA ECOTYPE (VIRGINIA WILDRYE, PA ECOTYPE)
 - 16.0% CAREX LURIDA, PA ECOTYPE (LURID SEDGE, PA ECOTYPE)
 - 12.0% CAREX LUPULINA, PA ECOTYPE (HOP SEDGE, PA ECOTYPE)
 - 12.0% CAREX SCOPARIA, PA ECOTYPE (BLUNT BROOM SEDGE, PA ECOTYPE)
 - 3.0% VERBENA HASTATA, PA ECOTYPE (BLUE VERVAIN, PA ECOTYPE)
 - 2.4% ASCLEPIAS INCARNATA, PA ECOTYPE (SWAMP MILKWEED, PA ECOTYPE)
 - 2.0% JUNCUS EFFUSUS (SOFT RUSH)
 - 2.0% ZIZIA AUREA, PA ECOTYPE (GOLDEN ALEXANDERS, PA ECOTYPE)
 - 1.6% ASTER NOVAE-ANGLIAE, PA ECOTYPE (NEW ENGLAND ASTER, PA ECOTYPE)
 - 1.3% CAREX STIPATA, PA ECOTYPE (AWL SEDGE, PA ECOTYPE)
 - 1.0% BIDENS CERNUA, PA ECOTYPE (NODDING BUR MARIGOLD, PA ECOTYPE)
 - 1.0% JUNCUS TENUIS, PA ECOTYPE (PATH RUSH, PA ECOTYPE)
 - 0.8% SOLIDAGO RUGOSA, PA ECOTYPE (WRINKLELEAF GOLDENROD, PA ECOTYPE)
 - 0.6% VERBENA URTICIFOLIA, PA ECOTYPE (WHITE VERVAIN, PA ECOTYPE)
 - 0.5% CAREX CRINITA, PA ECOTYPE (FRINGED SEDGE, PA ECOTYPE)
 - 0.5% EUPATORIUM PERFOROLIATUM, PA ECOTYPE (BONESET, PA ECOTYPE)
 - 0.5% HELENIUM AUTUMNALE, PA ECOTYPE (COMMON SNEEZEWED, 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.

- 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 PERFORIATUM, 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.

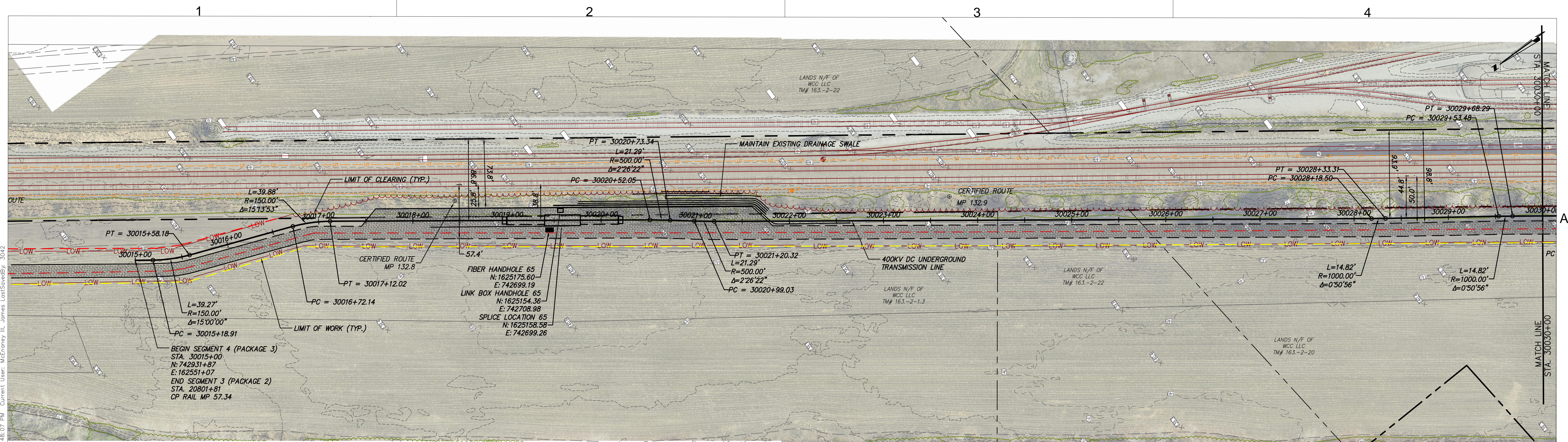
3. COVER CROP SHOULD BE APPLIED AT A RATE OF 60-80 LBS/ACRE. COVER CROP TO BE AN ANNUAL RYE. COVER CROP BASED ON SEASON OF RESTORATION AN ANNUAL RYE THROUGH SPRING AND SUMMER AND WINTER RYE FOR LATE FALL.



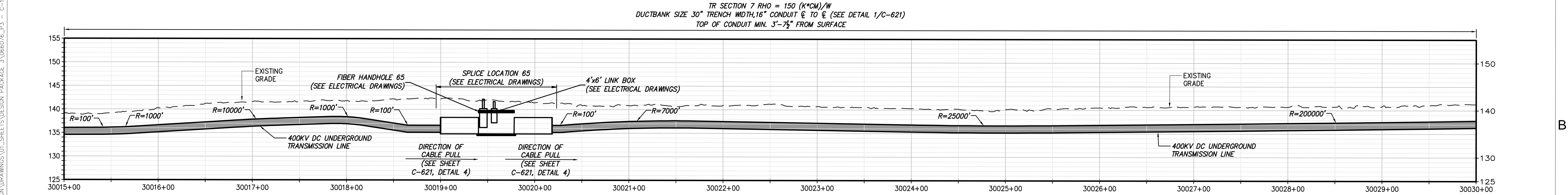
HEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	

G-020




DATE	04/05/2023
SH.NO.	



STA. 30015+00 TO STA. 30030+00 PLAN VIEW
SCALE: 1" = 50'



STA. 30015+00 TO STA. 30030+00 PROFILE VIEW
SCALE: H:1" = 50' V:1" = 10'



III Winners Circle, PO Box 5269
Albany, NY 12205-0269
518.453.4500 · www.chacompanies.com

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

No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
0	04/05/2023	FINAL EM&CP SUBMISSION	JJE	JPR

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
STA. 30015+00 TO STA. 30030+00 PLAN AND PROFILE

DRAWN BY: JJE

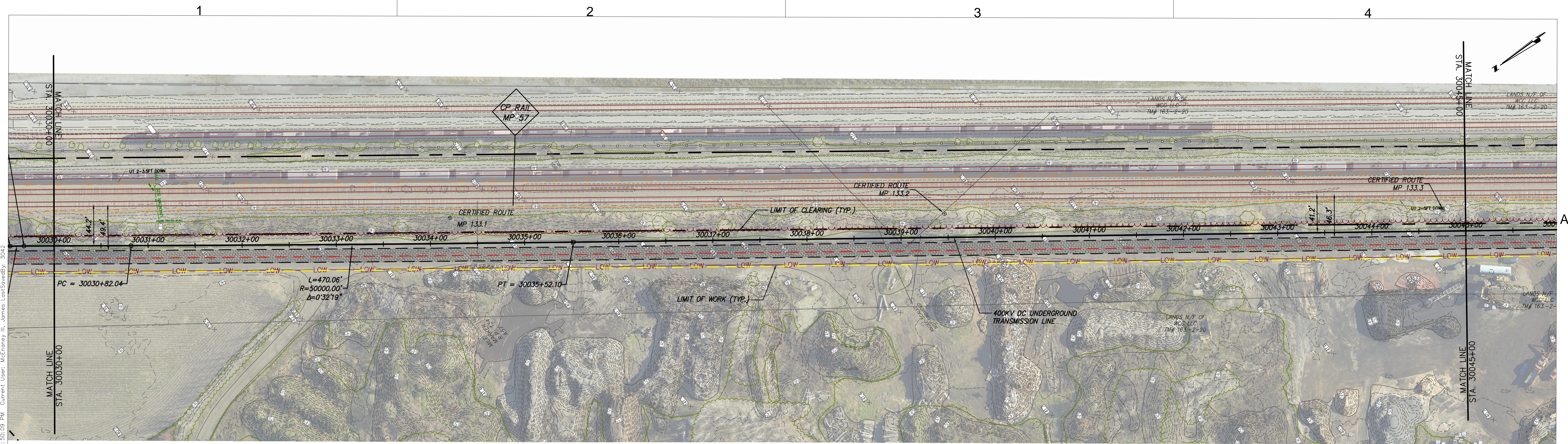
DESIGNED BY: JTM

APPROVED BY: JPR

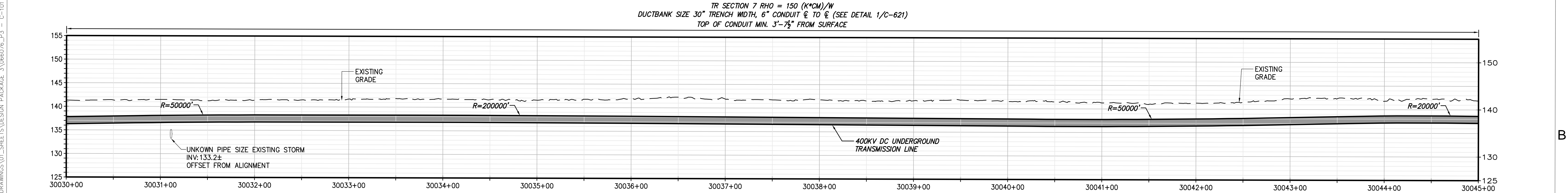
SCALE: AS NOTED
REV. NO. X

KIEWIT PROJECT NO.
21162
CHA PROJECT NO.
068076
DRAWING NO.
C-102




DATE
04/05/2023



STA. 30030+00 TO STA. 30045+00 PLAN VIEW
SCALE: 1" = 50'



STA. 30030+00 TO STA. 30045+00 PROFILE VIEW
SCALE: H: 1" = 50' V: 1" = 10'



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0	04/05/2023	FINAL EM&CP SUBMISSION	JJE	JPR
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
STA. 30030+00 TO STA. 30045+00 PLAN AND PROFILE

DRAWN BY: JJE

DESIGNED BY: JTM

APPROVED BY: JPR

SCALE: AS NOTED
REV. NO. X

KIEWIT PROJECT NO.
21162
CHA PROJECT NO.
066076
DRAWING NO.
C-103

DATE
04/05/2023