# APPENDIX R CASE 10-T-0139 DOCUMENTATION OF CI CONSULTATIONS HAVING OCCURRED SEGMENT 3 - PACKAGE 1C

				Champlain Hu	dson Powei	r Express		
				Upland Co-Located	l Utility Summa	ition Matrix		
Revision Date:	: 2/17/2023							
(1	General Loca	ation of Utility				Utility		
Segment(	Image: Starting Point for Station Owner   Parallel and With Construction (Ending Point for Parallel)   Perpendicular) Perpendicular		Owner	Utility	Parallel/ Perpendicular	Description (optional)	Quality Level (A/B/C/D)	
	15000+00	15000+75	Village of Whitehall	Water Line	Parallel	Water line, crosses at STA 15000+28.97	в	
	15000+00	15001+00	Village of Whitehall	Storm Sewer	Parallel		в	
	15000+93	15165+50	AT&T	UG Utility (Fiber)	Parallel	East Side of RR	в	
	15000+93	15037+00	Level 3 / Lumen	UG Utility (Fiber)	Parallel	West Side of RR <u>This line dissapears at STA 15002+37.60</u> and resumes, see below	в	
	15001+00	15003+75	Village of Whitehall	Storm Sewer	Parallel	Directs flow from Catch Basins on Bridges to the North on Clinton St	в	
	15002+38	15015+53	Level 3 / Lumen	UG Utility (Fiber)	Parallel	The alignment and fiber optics run attached on the west wall of the RR tunnel	в	
	15002+71		Charter / Time Warner	OH Utility (Telephone)	Perpendicular	Overhead crosses just North of Clinton St at same pole than Natl Grid	в	
	15002+74		National Grid	OH Utility (Electric)	Perpendicular	Overhead crosses just North of Clinton St	В	
	15006+68		Charter / Time Warner	OH Utility (Telephone)	Perpendicular	Overhead crosses just North of Division St	в	
	15007+19		Village of Whitehall	Sanitary Sewer	Perpendicular	West side of the SR-22	В	
	15008+62		NYSDOT	UG Utility (Electric)	Perpendicular	Traffic Light for Saunders St & SR-22 intersection	D	
	15008+66		National Grid	OH Utility (Electric)	Perpendicular	Runs E-W on the N side of Saunders St	в	
	15008+73		Charter / Time Warner	OH Utility (Telephone)	Perpendicular	Runs E-W on the N side of Saunders St on the same pole of Natl Grid	В	
	15009+45		Village of Whitehall	Storm Drainage Pipe/Culvert	Perpendicular	Storm Sewer Crosses RR South of Saunders St	В	
	15012+50		Village of Whitehall	Water Line	Perpendicular	12" Water main	В	
	15012+75		Village of Whitehall	Water Line	Perpendicular	6" Water Main	D	
	15012+89		Village of Whitehall	Storm Sewer	Perpendicular	Crosses alignment	В	
	15013+70		Village of Whitehall	Storm Sewer	Perpendicular	Steel line	с	
	15013+80		Charter / Time Warner	OH Utility (Telephone)	Perpendicular	Crosses SR-22	В	
	15014+11		Village of Whitehall	Storm Drainage Pipe/Culvert	Perpendicular	24" Storm Sewer	В	
	15015+33		Village of Whitehall	Sanitary Sewer	Perpendicular	Crossing RR tracks just North of Chapin Alley	В	
	15015+48	15088+20	Level 3 / Lumen	UG Utility (Fiber)	Parallel	Fiber Line (2 conduits). They separate from the bridge towards West side of RR	В	
	15015+52		National Grid	OH Utility (Electric)	Perpendicular	Overhead Crossing	В	
	15015+96		Village of Whitehall	Storm Drainage Pipe/Culvert	Perpendicular	Crossing RR tracks just South of Chapin Alley	с	
	15016+00		Village of Whitehall	Storm Drainage Pipe/Culvert	Perpendicular	Crossing RR tracks just South of Chapin Alley	с	
	15016+45	15028+25	Village of Whitehall	Sanitary Sewer	Parallel	Sanitary Sewer line runs within 10' of proposed alignment CL	с	
	15017+80		Village of Whitehall	Storm Sewer	Perpendicular	Crossing RR Tacks between Chapin Alley and School St	с	
	15018+45		Village of Whitehall	Sanitary and Storm Sewer	Perpendicular	Crossing RR tracks just North of School St	с	
	15024+55		Village of Whitehall	Sanitary and Storm Sewer	Perpendicular	Crossing RR tracks just North of Gilmore St	с	
	15029+45		Village of Whitehall	Sanitary and Storm Sewer	Perpendicular	Crossing RR tracks just South of Queen St	с	
	15032+00		Charter / Time Warner	OH Utility (Telephone)	Perpendicular	1 OH Telecomm line x-ing RR tracks, North of Poultney St at same pole of OH Electrical	В	
	15032+04		National Grid	OH Utility (Electric)	Perpendicular	3 OH Electrical lines x-ing RR tracks, North of Poultney St	в	
	15033+10		Village of Whitehall	Storm Sewer	Perpendicular	Crosses south of Route 4 and RR intersection	с	
	15033+64	15039+81	Village of Whitehall	Sanitary Sewer	Parallel	Sanitary Sewer line runs within 5' of proposed alignment CL	c	
	15033+71		Village of Whitehall	Water Line	Perpendicular	Water line crossing	В	
	15037+06		National Grid	OH Utility (Electric)	Perpendicular	OH Electrical crossing	В	
t Ann	15037+25	15041+51	Charter / Time Warner	UG Utility (Telephone)	Parallel	Crosses on splice location 031	В	

				Champlain Hu	dson Power	· Express	
				Upland Co-Located	Utility Summa	tion Matrix	
Revision Date	: 2/17/2023						
ent(s)	General Loca Station (Starting Point for	ition of Utility Station	0	14324		Utility	Quality Level
Segm	Parallel and Crossing Point for Perpendicular)	(Ending Point for Parallel)	Owner	otinty	Perpendicular	Description (optional)	(A/B/C/D)
to For	15039+85		Village of Whitehall	Sanitary and Storm Sewer	Perpendicular	24" Combined Sewer, Crosses E-W RR tracks	в
tehall	15042+92	15053+00	AT&T	UG Utility (Fiber)	Parallel	Fibe line5' of CL from STA 15042+73.41 to 15044+75.37	в
- Whi	15045+45		Village of Whitehall	Water Line	Perpendicular	Crosses RR tracks between Adams and Cook St.	в
ge 1C)	15047+50		CP RR	UG Utility (Electric)	Perpendicular	West of alignment	
Packa	15048+50	15048+95	CP RR	Storm Drainage Pipe/Culvert	Parallel	West Side of RR	в
ent 3 (	15049+46		CP RR	Storm Drainage Pipe/Culvert	Perpendicular	Crosses RR	В
Segm	15052+10		CP RR	UG Utility (Electric)	Perpendicular	RR Electric and (2) Propane Tanks	В
	15056+38	15056+60	NYSDOT	Storm Drainage Pipe/Culvert	Parallel	Access Culvert East of alignment	В
	<del>15056+50</del>		CP RR	UG Utility (Electric)	Perpendicular	RR Electric	В
	15062+00		CP RR	Storm Drainage Pipe/Culvert	Perpendicular	CMP Crosses RR Tracks North of 7th Ave	В
	15086+09		CP RR	UG Utility (Electric)	Perpendicular	RR Electrical	в
	15086+39		CP RR	UG Utility (Electric)	Perpendicular	RR Electrical	В
	15087+50		CP RR	Storm Drainage Pipe/Culvert	Perpendicular	CMP Crosses RR Tracks	В
	15092+10		CP RR	Storm Drainage Pipe/Culvert	Perpendicular	CMP Crosses RR Spur	в
	15092+33		NYSDOT	Storm Drainage Pipe/Culvert	Perpendicular		
	15093+96		National Grid	OH Utility (Electric)	Perpendicular	Overhead Service crosses to RR Spur to RR Bldg	В
	15094+21	15101+03	AT&T	OH Utility (Fiber)	Parallel	Overhead crosses AT STA 15097+50 and Parallels Alignment to the West - Ends 15101+03, ~8'R off alignment CL	в
	15097+32	15132+06	National Grid	OH Utility (Electric)	Parallel	Overhead crosses at STA 15097+29 and Parallels Alignment to the West O/S~15'R $$	В
	15104+89		CP RR	Storm Drainage Pipe/Culvert	Perpendicular	CMP Crosses RR Tracks and crosses alignment	В
	15121+58		CP RR	Storm Drainage Pipe/Culvert	Perpendicular	CMP Crosses RR Tracks	В
	15094+21		AT&T	OH Utility (Fiber)	Perpendicular	Fiber line and fiber box in the whereabouts of HDD #3 work area	В
	15123+68		National Grid	OH Utility (Electric)	Perpendicular	Almost parallel crossing, from parallel lines	В
	15135+00	15165+50	AT&T	UG Utility (Fiber)	Parallel	AT&T Crosses to West - Same side at Level 3 and our Alignment	В
	15133+00	15167+00	Level 3 / Lumen	UG Utility (Fiber)	Parallel	Fiber line is within the limits of work	В
	15141+85		CP RR	Storm Drainage Pipe/Culvert	Perpendicular	(2) HDPE Crosses RR Tracks	В
	15165+50	15221+81	AT&T	UG Utility (Fiber)	Parallel	UG Fiber, the alignment crosses over RR Tracks	В
	15165+45		Level 3 / Lumen	UG Utility (Fiber)	Perpendicular	UG Fiber, the alignment crosses RR Tracks with HDD	В
	15178+50		CP RR	Storm Drainage Pipe/Culvert	Perpendicular	(4) CMP Crosses RR Tracks	В
	15221+81	15222+81	AT&T	UG Utility (Fiber)	Perpendicular	(2) Fiber lines within 15' off alignment crosses at STA 15222+00	В
	15222+81	15293+41	AT&T	UG Utility (Fiber)	Parallel	Fiber lines west of the alignment	В
	15221+89		Level 3 / Lumen	UG Utility (Fiber)	Perpendicular	Alignment Crosses Fiber and RR tracks	В
	15226+39	15280+50	CP RR	UG Utility (Electric)	Parallel	Crosses and then parallels to 15280+50 - Ryder Rd	В
	15227+57		CP RR	Storm Drainage Pipe/Culvert	Perpendicular	RCP Crosses RR Tracks	В
	15280+84		National Grid	OH Utility (Electric)	Perpendicular	Overhead Crossing - North side of Ryder Rd	В
	15280+87		National Grid	OH Utility (Electric)	Perpendicular	Overhead Crossing - Southside of Ryder Rd	В
	15221+89	15293+41	AT&T	UG Utility (Fiber)	Parallel	Fiber lines east of the alignment	В
	15281+18		Charter / Time Warner	UG Utility (Telephone)	Perpendicular	Underground Crossing - South side of Ryder Rd	В

	Champlain Hudson Power Express											
	Upland Co-Located Utility Summation Matrix											
Revision Date:	2/17/2023											
	General Loca	tion of Utility				Utility						
Segment(s)	Station (Starting Point for Parallel and (Ending Point for Crossing Point for Perpendicular)		tion Owner Utility Para Point for Perper allel)		Parallel/ Perpendicular	Description (optional)	Quality Level (A/B/C/D)					
	15281+00		Verizon	UG Utility (Fiber)	Perpendicular	Underground Crossing - South side of Ryder Rd	В					
	15281+08	15282+26	CP RR	UG Utility (Electric)	Parallel	UG Electric and UG Lines (2), ~20' L O/S from alignment CL	В					
	15299+00	15305+00	Level 3 / Lumen	UG Utility (Fiber)	Parallel	Fiber optic within the limits of work	В					
	15300+00		Level 3 / Lumen	UG Utility (Fiber)	Perpendicular	Alignment crosses fiber at a obtuse angle	в					
	15300+10		AT&T	UG Utility (Fiber)	Perpendicular	Crosses Fiber on East side of RR tracks	В					
	15304+50		National Grid	OH Utility (Electric)	Perpendicular	Crosses over HDD on RR Tracks	В					

Utility quality level defined as follows:

Four separate quality levels of subsurface utility facility information are generally recognized and are as follows:

 Quality Level A (QLA): Quality Level A is the highest degree of accuracy. The information shown on the plans has been obtained by the actual exposure (or verification of previously exposed and surveyed still placifies) of subsurface utilities, using (typically) minimally intrusive escavation equipment to determine their precise horizontal and vertical positions, as well as their other utility facility satibutes. (Shown as QLA)

as ULA) Coulting Level B (ULB): Counting Level B is the second highest degree of accuracy. The information shown on the plans has been obtained through the application of appropriate surface peophysical interbods (i.e., underground cameras, radar, roum, time outs, etc.) to detruit the existence and appropriate historical position of suburders utility facilities. Quality Level B data are reproducible ly surface peophysics at any point of their depiction. The information was unverged to applicable diterances and reduced onto the plans. No excavations were performed. (Shown as QLB)

 Quality Level C (QLC): Quality Level C is the third highest degree of accuracy. The information shown on the plans has been obtained by surveying and plotting visible above-porout duity features and by using professional adjament in correlating this information to Quality Level D information. (Shown as QLC)

 Quality Level D (QLD): Quality Level D is the lowest degree of accuracy. The information shown on the plans was derived solely from existing NYSDOT and/or utility company records or recollections. (Shown as QLD)

# CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 3 (PACKAGE 1C) - WHITEHALL TO FORT ANN WASHINGTON COUNTY, NEW YORK **CI OWNER SUBMISSION** (JULY 8, 2022)

# NOTES TO CO-LOCATED INFRASTRUCTURE REVIEWERS:

Please review the attached information regarding the CHPE alignment relating to your infrastructure and provide your concurrence of the Project's cables separation and alignment and any feedback to ben.cole@wsp.com. It is important to TDI that the construction and operation of the CHPE does not interfere with the continued operation of your infrastructure.

See applicable locations depicting crossing(s) and/or parallel interactions with assets owned and maintained by your jurisdiction. Specific details applicable to each crossing are currently being developed and will depend on depth of existing co-located infrastructure and other site conditions identified in the field. However, Utility Typical Separation Details are presented on Drawing No. C-901 for your review and discussion initiation.

The basis of design for this package as it relates to the proposed Horizontal and Vertical underground separations from all Co-Located Infrastructure is 5' (H) and 2' (V). These separation distances are to be maintained as a minimum at all times and any variances (i.e. closer) will be presented to your jurisdiction prior to implementation and called out specifically on the plans.

Note that there may be some gaps in the pages provided, this is intentional as some of the pages do not present assets owned and maintained by your jurisdiction. In addition, please see attached the Champlain Hudson Power Express "Upland Co-Located Utility Summation Matrix" for the location (by Station) of assets that may interact with the proposed project.









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 ALIERED, THE ALIENING 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. Α 07/08/2021 EM&CP REGULATORY SUBMISSION No DATE SUBMITTAL / REVISION DESCRIPTION

#### NOT FOR CONSTRUCTION KIEWIT PROJECT NO. CHAMPLAIN HUDSON POWER EXPRESS 21162 SEGMENT 3 (PACKAGE 1C) WHITEHALL TO FORT ANN CHA PROJECT NO. 066076 COVER SHEET DRAWING NO. G-000 AS NOTED DATE 07/08/2022 SCALE DB APP DRAWN BY: JTM DESIGNED BY: JTM APPROVED BY: JPR REV. NO. XXX OF XXX X SH.NO.

JM JR

SHEET LIST TABLE						
SHEET NUMBER	SHEET TITLE					
	PACKAGE 6: GENERAL SHEETS					
G-000	COVER SHEET					
G-001	SHEET INDEX					
G-002	GENERAL NOTES					
G-003	LEGEND					
G-004	KEY PLAN					
G-005	RESTORATION NOTES					
PAC	PACKAGE 6: PLAN AND PROFILE SHEETS					
C-101-C-107	STA: 15270+00 TO 15105+00 PLAN AND PROFILE					
PACKAGE 6: HDD TRENCHLESS SHEETS						
C-301-C-301A	PROPOSED PLAN AND PROFILE HDD3					
	PACKAGE 6: DETAILS					
C-601-C-602	EROSION & SEDIMENT CONTROL DETAILS					
C-621	TRENCHING DETAILS					
C-631	SURFACE RESTORATION DETAILS					
C-901	UTILITY TYPICAL SEPARATION DETAILS					







$\sim$
- /
_
_

						CHAMPI AIN HUDSON POWER EXPRESS	KIEWIT PROJECT NO.
IT IS A MOLATION OF LAW FOR ANY PERSON LINESS THEY						SEGMENT 3 (PACKAGE 1C) WHITEHALL TO FORT ANN	CHA PROJECT NO.
ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT							066076
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						SHEET INDEX	DRAWING NO.
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							G-001
SPECIFIC DESCRIPTION OF THE ALTERATION.	A	07/08/2021	EM&CP REGULATORY SUBMISSION	JM	JR		
	No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DRAWN BY: XXX DESIGNED BY: XXX APPROVED BY: XXX REV. NO. X	DATE 07/08/2022 SH.NO. XXX OF XXX
					1		

В

#### **GENERAL NOTES:** 1. THE PLANS SHOW SUBSURFACE STRUCTURES, ABOVE GROUND STRUCTURES AND/OR UTILITIES FROM FIELD LOCATION AND RECORD MAPPING, EXACT LOCATION OF WHICH MAY VARY FROM THE LOCATIONS INDICATED. IN PARTICULAR, THE CONTRACTOR IS WARNED THAT THE EXACT OR EVEN APPROXIMATE LOCATION OF SUCH PIPELINES, SUBSURFACE STRUCTURES AND/OR UTILITIES IN THE AREA MAY BE DIFFERENT FROM THAT SHOWN OR MAY NOT BE SHOWN, AND IT SHALL BE HIS RESPONSIBILITY TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK. 48 HOURS BEFORE YOU DIG, DRILL, OR BLAST, CALL U.F.P.O. 1-(800)-962-7962 TOLL FREE. 2. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK

- SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED APPROVAL OF THE ENGINEER. CHANGES TO THE PLAN SHALL BE DONE IN ACCORDANCE WITH THE EM&CP SECTION 3.2.6.
- 3. THE CONTRACTOR SHALL RESTORE LAWNS, DRIVEWAYS, CULVERTS, SIGNS AND OTHER PUBLIC OR PRIVATE PROPERTY DAMAGED OR REMOVED TO AT LEAST AS GOOD A CONDITION AS BEFORE BEING DISTURBED AS DETERMINED BY THE ENGINEER.
- 4. THE CONTRACTOR AND/OR CERTIFICATE HOLDER SHALL BE RESPONSIBLE FOR OBTAINING AND INCURRING THE COST OF ALL CONSTRUCTION PERMITS, INSPECTIONS, CERTIFICATES, ETC. AND SHALL COMPLY WITH ALL REQUIRED PERMITS.
- 5. ALL WORK SHALL BE DONE IN STRICT COMPLIANCE WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES, STANDARDS, ORDINANCES, RULES, AND REGULATIONS.
- 6. ALL PROPOSED UTILITIES AND APPURTENANCES TO BE CONSTRUCTED IN COMPLIANCE WITH THE LOCAL MUNICIPALITIES' CODES AND REGULATIONS GOVERNING THE INSTALLATION OF SUCH UTILITIES.
- 7. THE ENGINEER RESERVES THE RIGHT TO EXAMINE ANY WORK DONE ON THIS PROJECT AT ANY TIME TO DETERMINE THE CONFORMANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS OF THIS PROJECT.
- 8. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE ENGINEER OR OWNER, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE UNDER THE SUPERVISION OF A NEW YORK STATE LICENSED LAND SURVEYOR.
- 9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE ALL PLAN SHEETS.
- 10. THE CONTRACTOR SHALL:
  - A. VERIFY ALL CONDITIONS IN THE FIELD PRIOR TO COMMENCEMENT OF
  - WORK AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES. EXAMINE THE SITE AND INCLUDE IN HIS WORK THE EFFECT OF ALL B. EXISTING CONDITIONS ON THE WORK.
  - PROVIDE AND INSTALL ALL MATERIALS AND PERFORM ALL WORK IN С. ACCORDANCE WITH RECOGNIZED GOOD STANDARD PRACTICE.
- 11. ALL TRENCH EXCAVATION AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH THE LATEST REVISIONS OF NEW YORK STATE INDUSTRIAL CODE RULE 23 AND OSHA REGULATIONS FOR CONSTRUCTION. SHEET PILING SHALL BE DESIGNED AND SEALED BY A NEW YORK STATE PROFESSIONAL ENGINEER. WHERE WITHIN RAIL ROAD ROW, ANY EXCAVATION AND SHORING SHALL BE DESIGNED TO MINIMUM CP AND AREMA REQUIREMENTS.

- 12. CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK IN CONFORMANCE WITH REFERENCE SECTION 4.4.6 DEWATERING METHODS IN 1 EM&CP. CONTRACTOR SHALL MAINTAIN EXISTING SITE DRAINAGE PATTERNS THROUGHOUT CONSTRUCTION UNLESS OTHERWISE SHOWN ON THE PLANS.
- 13. MAINTAIN FLOW FOR ALL EXISTING UTILITIES.
- 14. ALL FRAMES/COVERS WITHIN PAVED AREAS SHALL HAVE THE TOPS SET FLUSH WITH THE EXISTING PAVEMENT GRADE. IN LANDSCAPED AREAS. ALL FRAMES SHALL BE 0.1' ABOVE GRADE.
- 15. TEMPORARY PAVEMENT SHALL BE PLACED WITHIN 48 HOURS OF COMPLETION OF BACKFILL OPERATIONS WITHIN THE EXISTING PAVEMENT LIMITS.
- 16. CONTRACTOR SHALL MAINTAIN ALL TRAFFIC IN ALL AREAS IN ACCORDANCE WITH THE NYSDOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- 17. ALL EXCAVATIONS SHALL BE PROTECTED AT THE END OF EACH WORK DAY PER OSHA AND NYSDOT REQUIREMENTS.
- 18. WITHIN NYSDOT ROW ALL OPEN EXCAVATIONS TO BE PROTECTED BY CONCRETE BARRIERS OR BE COVERED BY A STEEL PLATE, 3/4" THICK MINIMUM. A SINGLE PLATE SHOULD COVER THE ENTIRE EXCAVATION AND HAVE ENOUGH BEARING ON SURROUNDING SURFACES TO SUPPORT A VEHICLE.
- 19. CONTRACTOR SHALL TAKE CARE TO PREVENT DAMAGE TO EXISTING UTILITIE UTILITIES DAMAGED BY CONTRACTOR SHALL BE IMMEDIATELY REPAIRED BY CONTRACTOR AT THE CONTRACTOR'S EXPENSE. IF DURING EXCAVATION PREVIOUSLY DAMAGED UTILITIES ARE UNCOVERED, CONTRACTOR SHALL DOCUMENT THE DAMAGE AND REPORT DAMAGE TO THE APPROPRIATE OWNE
- 20. DEPTH OF BURY FOR EXISTING CABLED UTILITIES FIBER / ELECTRICAL / TELECOM AND WATERLINES UNKNOWN. ASSUMED DEPTH OF BURY FOR CABLED UTILITIES IS 30" UNLESS OTHERWISE SHOWN. ASSUMED DEPTH OF BURY FOR WATERLINES IS 5' UNLESS OTHERWISE SHOWN.
- 21. CONTRACTOR TO COORDINATE ALL DRIVEWAY CROSSINGS WITH THE PROPERT OWNERS PRIOR TO EXCAVATING. ACCESS TO ALL DRIVEWAYS FOR THE RESIDENTS AND COMMERCIAL PROSPERITIES WILL NEED TO BE MAINTAINED DURING THE PROJECT. ALL EXCAVATIONS IN THE ENTRANCES/DRIVEWAYS WILL NEED TO BE BACKFILLED AT THE END OF EACH WORKDAY. OR STEEL PLATES SHALL BE INSTALLED TO ALLOW ACCESS DURING CONSTRUCTION. REFER TO THE EM&CP FOR EMERGENCY ACCESS MANAGEMENT PLAN.
- 22. ALL WORK WITHIN AGRICULTURAL LANDS WILL BE PERFORMED IN COMPLIANCE WITH APPLICABLE NEW YORK STATE DEPARTMENT OF AGRICULTURE AND MARKETS (NYSDAM) GUIDANCE INCLUDING "NYSDAM GUIDELINES FOR CONSTRUCTION MITIGATIONS FOR AGRICULTURAL LANDS IN AGRICULTURAL AREAS". RESTORATION WORK WILL FOLLOW APPLICABLE SECTIONS OF NYSDAM GUIDANCE "FERTILIZING LIME, AND SEEDING RECOMMENDATIONS FOR RESTORATION OF CONSTRUCTION PROJECTS ON FARMLAND IN NYS".







		<b>V</b>	
	E	ROSION CONTROL NOTES	CANADIAN PACIFIC
HF	1.	SEE SHEETS C-601 AND C-602 FOR EROSION AND SEDIMENT CONTROL DETAILS AND SHEET C-631 FOR SURFACE RESTORATION DETAILS.	1. ALL WORK PERFORMED WORK THAT HAS THE F
	2.	LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES.	ACCORDANCE WITH THE 1.a. CANADIAN PACIFIC
	3.	THE GENERAL CONTRACTOR SHALL STRICTLY ADHERE TO THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND FOLLOW THE EM&CP DOCUMENTS DURING CONSTRUCTION OPERATIONS.	HTTPS: //WWW.CPI SPECS-AND-APPI
	4.	NO LAND CLEARING OR GRADING SHALL BEGIN UNTIL ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED. (WETLAND PROTECTION FENCE, SILT FENCE AND STABILIZED CONSTRUCTION ENTRANCE)	ASSOCIATION (ARI
N	5.	SITE DISTURBANCE SHALL NOT EXCEED FIVE (5) ACRES OF SOIL AT ANY ONE TIME WITHOUT PRIOR WRITTEN AUTHORIZATION FROM NYSDEC DIVISION OF WATER.	REQUIREMENTS.
	6.	ALL EXPOSED AREAS SHALL BE SEEDED AND MULCHED AS SPECIFIED WITHIN 14 DAYS OF FINAL GRADING. "FOR DISTURBED WETLAND AND SENSITIVE AREAS, AREA TO BE RESTORED IN ACCORDANCE WITH THE EM&CP"	
	7.	INACTIVE PORTIONS OF THE SITE ARE TO BE SEEDED AND MULCHED AS SPECIFIED WITHIN 14 DAYS. "FOR DISTURBED WETLAND AND SENSITIVE AREAS, AREA TO BE RESTORED IN ACCORDANCE WITH THE EM&CP"	
	8.	SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN (7) DAYS OR MORE FREQUENTLY IF REQUIRED. ALL MAINTENANCE REQUIRED BY INSPECTION SHALL COMMENCE WITHIN 24 HOURS AND BE COMPLETED WITHIN 48 HOURS OF REPORT.	
S.	9.	THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE AS THE GENERAL CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE.	
	10.	GENERAL CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.	
ER.	11.	ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY FOLLOWING SITE INSPECTION. THE SWPPP AND/OR ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO REQUIRE ADDITIONAL EROSION CONTROL MEASURES IF THE INSPECTOR DEEMS NECESSARY.	
	1 <b>2</b> .	GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.	
ΤY	13.	AT THE END OF EACH WORK DAY DISTURBED SOILS ARE TO BE REGRADED TO DRAIN INTO THE TEMPORARY DIVERSION SWALES AND DISCHARGES FROM DEWATERING ACTIVITIES ARE TO BE DIRECTED INTO CATCH BASINS OR SWALES.	

2

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

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 I 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.

Α

No.

07/08/2021

DATE

EM&CP REGULATORY SUBMISSION

SUBMITTAL / REVISION DESCRIPTION

2

# RAILWAY (CPR) NOTES:

WITHIN THE RAILROAD RIGHT OF WAY OR ANY POTENTIAL TO IMPACT THE RAILROAD RIGHT BE DESIGNED AND PERFORMED IN FOLLOWING: RAILWAY - UTILITY SPECIFICATIONS AND OCESS (US) -PR.CA/EN/CHOOSE-RAIL-SITE/DOCUMENTS/CP-UTILITY-

LICATION-PROCESS.PDF 'ENGINEERING AND MAINTENANCE OF WAY REMA) MANUAL FOR RAILWAY ENGINEERING

-651 FOR ADDITIONAL CPR NOTES AND



HH	EXIST. FIBER OPTIC LINE HANDHOLE
Ρ	EXIST. FIBER OPTIC LINE PEDESTAL
DH	EXIST. FIBER OPTIC LINE DOGHOUSE
MH	EXIST. FIBER OPTIC LINE MANHOLE
V	EXIST. FIBER OPTIC LINE VAULT
BP	EXIST. FIBER OPTIC LINE BORE PIT
LB	EXIST. FIBER OPTIC LOCK BOX
₩	EXIST. GROUND ROD
FIBER MARK	EXIST. FIBER OPTIC MARKER POST
100	EXIST. FIBER STORAGE
-Q- <sup>HYD</sup>	EXIST. FIRE HYDRANT
$\otimes^{WV}$	EXIST. WATER VALVE
Ŵ	EXIST. WATER MANHOLE
WATER Ø MARK	EXIST. WATER MARKER
S	EXIST. SANITARY SEWER MANHOLE
O VENT	EXIST. SANITARY SEWER VENT
S	EXIST. STORM SEWER MANHOLE
СВ	EXIST. STORM SEWER CATCH BASIN
< <sup>INV.</sup>	EXIST. CULVERT INVERT
6	EXIST. GAS MANHOLE
€ <sub>cv</sub>	EXIST. GAS VALVE
GAS MARK	EXIST. GAS MARKER
<b>VENT</b>	EXIST. GAS PIPELINE VENT
<b></b>	EXIST. LIGHT POLE
Ø	EXIST. UTILITY POLE
Ø PP	EXIST. ELEC. POLE
⊗	EXIST. TRAFFIC LIGHT
E	EXIST. ELEC. METER
E	EXIST. ELEC. MANHOLE
TR	EXIST. ELEC. TRANSFORMER
V	EXIST. ELEC. VAULT
HH	EXIST. ELEC. HANDHOLE
Р	EXIST. ELEC. PEDESTAL/BOX
ELEC MARK	EXIST. ELEC. MARKER POST
$\downarrow$	EXIST. ELEC. GUY ANCHOR/WIRE
Т	EXIST. TELE. RISER/BOX
T	EXIST. TELE. MANHOLE
HH	EXIST. TELE. HANDHOLE
V	EXIST. TELE. VAULT
Ρ	EXIST. TELE. PEDESTAL
DH	EXIST. TELE. DOGHOUSE
MARK	EXIST. TELE. MARKER POST
	EXIST. TELE. JUNCTION BOX
ТВ	EXIST. TRAFFIC SIGNAL BOX
<u>ي</u>	EXIST. CELL TOWER
СҢ	EXIST. CABLE BOX
	EXISTING MANHOLE UNKNOWN
U	EXISTING UTILITY BOX UNKNOWN
	EXISTING ANTENNA
CAPPED IRON ROD	EXISTING CAPPED IRON ROD
© IRON PIPE	EXISTING IRON PIPE
CONCRETE BOUNDARY	EXISTING CONCRETE MONUMENT
⊙ <sup>POST</sup>	EXISTING POST
+	EXISTING REFLECTOR MARKER
(SYM.)	EXISTING SYMBOL

۲ Δ ++××-# ----- UT ----- UT -----— — FO — FO — — то — то — то — — — OE — OE — — — ST — ST — — — ss — — ss — — — ST — ST — \_\_\_\_\_w \_\_\_\_w \_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ · · · \_\_\_\_ · · · \_\_\_\_ · · · \_\_\_\_ ⊗CERTIFIED ROUTE MP XX  $\neg \frown \frown \frown \frown$  $\times^{139.7}$  $\subset$ \_\_\_\_\_  $\frown$ /\*∖ **^** \_\_\_\_\_ \_\_\_\_\_ **1**11 104.2 min .....  $\bigcirc \bigcirc \bigcirc \bigcirc$ 0\_\_\_\_\_ -----\_\_\_\_\_ · \_\_\_\_ · \_\_\_\_ · \_\_\_\_ \_\_\_\_\_ X \_\_\_\_\_

SIGN

EXISTING S EXIST. ST EXIST. ST EXIST. WE EXIST. GA EXIST. UN EXIST. FIB EXIST. OVI EXIST. UN EXIST. OV EXIST. CU EXIST. SAI EXIST. ST EXIST. PO EXIST. RA EXIST. WE CERTIFIED EXIST. CON EXIST. CON EXIST. CON EXIST. CON EXIST. SPC EXIST. CUL EXIST. CUL EXIST. CUL EXIST. CUL EXIST. CUL EXIST. HYD EXIST. CUL EXIST. INUI EXIST. RIP-EXIST. STR EXIST. SWA WATER LE\ EXIST. NA EXIST. NA EXIST. NA EXIST. NA EXIST. ST EXIST. PA EXIST. PA EXIST. PAV EXIST. PA EXIST. GU EXIST. RA EXIST. TR EXIST. FEN EXIST. WA EXIST. RE EXIST. MILE EXIST. MAPPING BOUNDARY EXIST. GROUND CONTROL PROP. RIGHT-OF-WAY

PE **Champlain Hudson Power Express** 





\_\_\_\_\_

 $\Rightarrow$ 

\_\_\_\_\_

A 154.3550

\_ \_ \_ \_

# LEGEND & ABBRIVIATIONS

THE

ZZZ

7777

<u>`\_\_\_\_\_\_</u>..\_<u>\_\_</u>: 

 $\times$ 

\_\_\_\_\_

—LOW—

\_ \_ \_

\_ \_ \_

•

XXXXX+XX

\_\_\_\_\_

\_\_\_\_

SIGN		
RUCTURE POST		
RUCTURE MAILBOX		
ETLAND FLAG		
AS LINE		
NDERGROUND TELE.		
BER OPTIC		
VERHEAD TELE.		
NDERGROUND ELEC.		
VERHEAD ELEC.		
JLVERT		
ANITARY SEWER		
FORM SEWER		
DTABLE WATER LINE		
AILROAD TRACK		
ETLANDS		
ROUTE PROVIDED BY CHPE KMZ		
NTOUR, INDEX		
NTOUR, DEPRESSION INDEX		
NTOUR, INTERMEDIATE		
NTOUR, DEPRESSION INTERMEDIATE		
OT ELEVATION		
LTURAL DEBRIS		
LTURAL FIELD LINE		
LTURAL LANDSCAPE AREA		
LTURAL PILE	SUR	VEY NOTE
LTURAL STORAGE AREA	1	
DROGRAPHIC	1.	CONTROL P
LVERT		LISTED HER
INDATED AREA	2.	ELEVATIONS (NAVD88).
P-RAP		SURVEY.
REAM	3.	NORTH ORIE
AMP		OBSERVATIO
VEL	4.	LOCATION C
ATURAL BOULDER		AND SIZES
ATURAL SHRUB LINE		MAPS AS L
ATURAL TREE LINE		ENSURE MA
ATURAL SINGLE TREE/BUSH		SHOULD BE
RUCTURAL BUILDING		PROPER UT NOT GUARA
AVED DRIVE		THE AREA I
AVED ROAD	SUB	SURFACE
AVED SHOULDER		A QUALITY
AVED SIDEWALK		UNDERGROU BASED ON
JARDRAIL		ON THE SU
AILROAD		
RAIL		QUALI
INCE		
ALL		
TAINING WALL		
EPOST NUMBER		

CON	TR
-0F-	WA

PROP. ABUTTER

PEM – PALUSTRINE EMERGENT
PSS – PALUSTRINE SCRUB-SHRUB
PFO – PALUSTRINE FORESTED
PUB – PALUSTRINE UNCONSOLIDATED BOTTOM
L1 – LACUSTRINE LIMNETIC
L2 – LACUSTRINE LITTORAL
PROP. NYSDEC FWW 100-FOOT ADJACENT AREA
PROP. GIS – WETLAND
PROP. JD BOUNDARY
PROP. WETLAND PROTECTION FENCE
PROP. COMPOST FILTER SOCK (OR SILT SOCK)
PROP. LIMITS OF WORK/DISTURBANCE
PROP. LIMITS OF CLEARING/LIMITS OF WORK IN CLEARING AREAS
PROP. CONCRETE WASHOUT
PROP. ACCESS ROADS
PROP. SPLICE VAULT
PROP. LINK BOX HANDHOLE
PROP. FIBER SPLICE HANDHOLE
PROP. BORING LOCATION
PROP. ALIGNMENT STATIONING
PROP. RIGHT-OF-WAY
PROP. ABUTTER

PROP. ALIGNMENT CENTERLINE

## ES:

- TILITY & WETLAND SURVEY PREPARED IN THE FIELD BY POINT ASSOCIATES, INC., AND OTHER REFERENCE MATERIAL AS REON.
- REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 BASED ON GPS OBSERVATIONS TAKEN AT THE TIME OF THE
- ENTATION SHOWN REFERS TO THE NAD83 STATE PLANE E SYSTEM - NEW YORK EAST ZONE BASED ON GPS ONS TAKEN AT THE TIME OF THE FIELD SURVEY.
- OF UNDERGROUND UTILITIES ARE APPROXIMATE. LOCATIONS ARE BASED ON UTILITY MARK-OUTS, ABOVE GROUND S THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE VAILABLE ASBUILT PLANS AND UTILITY MARKOUT DOES NOT APPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES. Y EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE TILITY COMPANIES. CONTROL POINT ASSOCIATES, INC. DOES ANTEE THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN EITHER IN SERVICE OR ABANDONED.

#### UTILITY ENGINEERING NOTES:

LEVEL SYSTEM IS UTILIZED TO IDENTIFY THE SOURCE OF THE JND UTILITY INFORMATION. THE METHOD OF DETERMINATION IS CONTRACTUAL AGREEMENT WITH THE CLIENT AND IS DEPICTED JRVEY BY THE LINE TYPES SHOWN IN THE DRAWING LEGEND. ENCE, THE QUALITY LEVELS ARE AS FOLLOWS:

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

SPECIFIC DESCRIPTION OF THE ALTERATION.	A	07/08/2021	EM&CP REGULATORY SUBMISSION	JM	JR		1		00015		DATE	07/00/000
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						-						G-00 <b>3</b>
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						_	Υ.	LEGEND				DRAWING NO.
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY						SEGMENT	3 (PACKA	GE 1C ) WHITE	EHALL TO F		·ا	CHA PROJECT NO.
							'LAIN HL	JUSON POV	VER EXF	RESS		21162
											K	EWIT PROJECT NO.

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
FIBER	FIBER OPTIC CABLE
FT	FEET
GAS	GAS PIPE
н	HORIZONTAL
HDD	HORIZONTAL DIRECTIONAL DRILLING
HVDC	HIGH-VOLTAGE DIRECT CURRENT TRANSMISSION LINE
INV	INVERT ELEVATION
LOW	LIMITS OF WORK
MAX	MAXIMUM
MIN	MINIMUM
Ν	NORTHING
NO	NUMBER
NY	NEW YORK
P#	PACKAGE #
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
REV	REVISION
ROW	RIGHT-OF-WAY
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

В









# PLAN AND PROFILE KEY MAP SCALE: 1" = 2000'

IT IS PROF OR I	S A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED FESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY IF AN							S
ALTE ARCHI AND THEI	M BEARING THE STAMP OF A LICENSED PROFESSIONAL IS TERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE HITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT ID INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY FIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A	_						
	SPECIFIC DESCRIPTION OF THE ALTERATION.		Α	07/08/2021	EM&CP REGULATORY SUBMISSION	JM	JR	
			No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DR

	KIE	WIT PROJECT NO.
		21162
SEGMENT 3 (PACKAGE 1C.) WHITEHALL TO FORT ANN	J CI	HA PROJECT NO.
	•	066076
KEYPLAN		DRAWING NO.
	(	G-00 <b>4</b>
SCALE AS NOTED	DATE	07/08/2022
RAWN BY: XXX   DESIGNED BY: XXX   APPROVED BY: XXX   REV. NO.	SH.NO.	XXX OF XXX

В

## CLEANUP AND RESTORATION NOTES

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

## CLEANUP STANDARDS AND PRACTICES

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

## **RESTORATION AND PLANTING**

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

## SITE PREPARATION FOR REVEGETATION

THE SURFACE OF THE ROAD AND CONSTRUCTION ROWS DISTURBED BY CONSTRUCTION ACTIVITIES WILL BE GRADED TO MATCH THE ORIGINAL TOPOGRAPHIC CONTOURS AND TO BE COMPATIBLE WITH SURROUNDING DRAINAGE PATTERNS WHERE APPROPRIATE. IT SHOULD BE NOTED THAT SUBCONTRACTORS WILL TYPICALLY LIMIT GRUBBING (THE REMOVAL OF STUMPS AND ROOTS) TO THE FOOTPRINT OF THE EXCAVATED TRENCH AND ACCESS ROADS TO ALLOW RE-SPROUTING AND ASSIST IN THE RECOVERY OF WOODY SPECIES, EXCEPT WHERE REMOVAL IS REQUIRED FOR SAFE CONSTRUCTION. WHERE NEEDED, IT MAY BE NECESSARY TO IMPORT TOPSOIL TO RETURN AN AREA TO GRADE. IMPORTED TOPSOIL WILL FOLLOW CLASSIFICATION AND CHARACTERIZATION MEASURES OUTLINED IN THE SOIL MANAGEMENT PLAN IN APPENDIX L. HDD ENTRY AND EXIT PITS WILL BE BACKFILLED AND THE DISTURBED GROUND SURFACE WILL BE SIMILARLY GRADED. TRENCHES WILL BE BACKFILLED IN ACCORDANCE WITH THE MEASURES OUTLINED IN SECTION 4.4.7 OF THE EM&CP. THE CERTIFICATE HOLDER WILL BE RESPONSIBLE FOR CHECKING ALL CULVERTS AND ASSURE THAT THEY ARE NOT CRUSHED OR BLOCKED DURING CONSTRUCTION AND RESTORATION OF THIS SEGMENT AND. IF A CULVERT IS BLOCKED OR CRUSHED, TAKE IMMEDIATE STEPS TO REPLACE OR REPAIR THE CULVERT IN ACCORDANCE WITH APPLICABLE STATE OR LOCAL STANDARDS.

#### SEEDING AND PLANTING

SEEDING OPERATIONS ACROSS THE 35-FOOT-WIDE CONSTRUCTION AND FACILITY ROWS AS WELL AS WITHIN STAGING AND LAYDOWN AREAS WILL COMMENCE ONLY AFTER AN ACCEPTABLE SEEDBED HAS BEEN ESTABLISHED, AS DESCRIBED ABOVE. . SEED WILL BE APPLIED BY HAND, OR VIA HYDRO-SEEDERS. MULCHING AND ANCHORING OF THE MULCH MAY BE NECESSARY IN SOME AREAS UNLESS A HYDROMULCH/SEED SLURRY IS USED. ON STEEP SLOPES, JUTE NET WILL BE USED TO PROVIDE STABILIZATION. FERTILIZER WILL BE ADDED, AS APPLICABLE, AT THE APPROPRIATE RATES AFTER SEED IS APPLIED AND/OR TO A HYDROMULCH/SEED SLURRY. NO FERTILIZER WILL BE APPLIED IN WETLAND RESOURCE AREAS. SEEDING/MULCHING WILL TAKE PLACE UNDER THE SUPERVISION OF THE ENVIRONMENTAL INSPECTOR. THE SEED MIXTURE AND RATE OF APPLICATION WILL DEPEND ON THE SOIL TYPE. LAND USE, AVAILABLE MOISTURE, AND SEASON AT THE TIME OF APPLICATION. ALL SEED MIXES WILL BE FREE OF INVASIVE SPECIES ALL SEED BAG TAGS (EITHER ORIGINAL OR SCANNED COPIES) WILL BE PROVIDED TO THE ENVIRONMENTAL INSPECTOR EITHER ORIGINAL TAGS OR SCANNED COPIES. SEEDED AREAS WILL BE MONITORED FOLLOWING RESTORATION UNTIL A MINIMUM VEGETATIVE COVER OF EIGHTY (80) PERCENT IS ACHIEVED. THE SEED MIXTURES WILL FOLLOW THE TECHNICAL SPECIFICATIONS INCLUDED ON THE PLAN AND PROFILE DRAWINGS IN APPENDIX C (SHEET G-020 OF BOTH SEGMENT 1 AND SEGMENT 2) FOR UPLANDS AND WETLAND BUFFER ZONES. FOR WETLAND RESOURCE AREAS, EMERGENT COMMUNITIES SHOULD BE REVEGETATED WITH AN ERNST FACW WETLAND MEADOW MIX (ERNMX-122) OR EQUIVALENT, AND FOR SHADED SITES WITHIN FORESTED/SHRUB-SHRUB WETLAND COMMUNITIES, DISTURBED AREAS SHOULD BE REVEGETATED WITH ERNST SPECIALIZED WETLAND MIX FOR SHADED AREAS (ERNMX-137) OR EQUIVALENT.

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

MINIMAL TREE CLEARING IS ANTICIPATED TO BE REQUIRED IN THIS SEGMENT (SEE SECTION 8.0 OF THE EM&CP); IF REQUIRED, ALL TREES OVER TWO (2) INCHES IN DBH OR SHRUBS OVER FOUR (4) FEET IN HEIGHT THAT ARE DAMAGED OR DESTROYED BY ACTIVITIES DURING CONSTRUCTION, OPERATION, OR MAINTENANCE WITHIN ASSOCIATED URBAN, RESIDENTIAL OR ADIRONDACK PARK LANDSCAPED AREAS, WILL BE REPLACED WITHIN THE FOLLOWING YEAR BY THE CERTIFICATE HOLDERS WITH THE EQUIVALENT TYPE OF TREES OR SHRUBS EXCEPT IF:

- a)EQUIVALENT TYPE REPLACEMENT TREES OR SHRUBS WOULD INTERFERE WITH THE PROPER CLEARING, CONSTRUCTION, OPERATION, OR MAINTENANCE OF THE PROJECT OR WOULD BE INCONSISTENT WITH STATE-INVASIVE SPECIES POLICY; OR
- b) REPLACEMENT WOULD BE CONTRARY TO SOUND ROW MANAGEMENT PRACTICES, OR TO ANY APPROVED LONG-RANGE ROW MANAGEMENT PLAN APPLICABLE TO THE FACILITY OR ADJOINING ROW: OR
- c)THE OWNER OF LAND WHERE THE DAMAGED OR DESTROYED TREES OR SHRUBS WERE LOCATED (OR OTHER RECORDED EASEMENT OR LICENSE HOLDERS WITH THE RIGHT TO CONTROL REPLACEMENT) DECLINES REPLACEMENT.

## RESTORATION OF WATERBODIES

THESE AREAS WILL BE RESTORED IN ACCORDANCE WITH SECTION 14.4.1 OF THE EM&CP AS CLOSE AS PRACTICABLE TO PRE-CONSTRUCTION CONDITIONS AND CONTOURS. ALL TEMPORARY FENCING AND EROSION CONTROLS WILL BE REMOVED AND DISPOSED OF IN AN ACCEPTABLE MANNER AT A STATE APPROVED DISPOSAL FACILITY APPROVED BY DPS STAFF AND THE CERTIFICATE HOLDER. ALL MOTORIZED CONSTRUCTION EQUIPMENT WILL BE TRANSPORTED TO OFF SITE FACILITIES. ALL WETLAND MATS AND MATERIALS WILL BE COLLECTED, PACKED, AND TRANSPORTED TO OFF-SITE STORAGE FACILITY OR TO THE NEXT PACKAGE'S STAGING AREAS NEEDED.

#### RESTORATION OF WETLANDS

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

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

THE CONSTRUCTION MATERIALS EQUIPMENT STAGING LOCATIONS FOR THIS SEGMENT ARE SUMMARIZED IN SECTION 5.4 TABLE 5.2 OF THE EM&CP AND ARE SHOWN IN THE PLAN AND PROFILE DRAWINGS AND ESCP. THESE AREAS WILL BE RESTORED IN ACCORDANCE WITH SECTION 14 OF THE EM&CP AS CLOSE AS PRACTICABLE TO PRE-CONSTRUCTION CONDITIONS AND CONTOURS TO THE EXTENT PRACTICABLE.

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







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

SWPPP INSPECTIONS WILL BE PERFORMED BY THE ENVIRONMENTAL INSPECTOR. FOLLOWING FINAL STABILIZATION, EROSION AND SEDIMENT CONTROL MEASURES WILL BE REMOVED FROM THE SITE AND DISPOSED OF APPROPRIATELY.

## **RESTORATION WITHIN NYSDOT ROW**

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

## **RESTORATION OF RECREATIONAL AREAS**

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

# ROADWAY RESTORATION (STRIPPING, SIGNAGE, AUDIBLE ROADWAY **DELINEATORS**)

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

SIGNAGE IMPACTGED DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE REPLACED IN KIND OR REINSTALLED IN ACCORDANCE WITH NYSDOT STANDARD SHEETS AND SPECIFICATIONS (SEE 645 SERIES STANDARD SHEETS)

AUDILBE ROADWAY DELINEATORS DAMAGED OR REMOVED DUE TO CONSTRUCTION SHALL BE INSTALLED DURING RE-PAVING OPERATIONS IN ACCORDANCE WITH NYSDOT STANDARD SHEET 649-03

#### RESTORATION OF ROADWAY

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

#### **RESTORATION OF ROADWAY SHOULDER**

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

#### PAVEMENT RESTORATION

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

THE CERTIFICATE HOLDERS WILL CONSULT THE MUNICIPAL ROAD OR HIGHWAY DEPARTMENT AND/OR THE REGIONAL OFFICE OR COUNTY ENGINEER OF THE NYSDOT IN ORDER TO IDENTIFY AND INCORPORATE APPROPRIATE SPECIFICATIONS FOR CURB, SIDEWALK, OR STREET RESTORATION. ALL SURFACE RESTORATION WILL FOLLOW THE SPECIFICATIONS AND DETAILS PROVIDED IN THE PLAN AND PROFILE DRAWINGS (SHEET C-631). GUIDE RAILS WILL BE REMOVED AND REPLACED IN ACCORDANCE WITH NYSDOT STANDARD SHEET 606-01.

Α	07/08/2021	EM&CP REGULATORY SUBMISSION	JM	JR	
					_ S
					-
		A 07/08/2021	A   07/08/2021   EM&CP REGULATORY SUBMISSION	Image: A 07/08/2021   EM&CP REGULATORY SUBMISSION   JM	Image: Second state of the second s

## SEED MIXES

- A. GENERAL SEED: 1. PIPELINE MIX V 2. MIX COMPOSITI
- 33.0% PANICUM 25.0% FESTUCA
- 18.0% LOLIUM 16.0% PHLEUM
- 5.0% TRIFOLIUM
- 3.0% AGROSTIS 3. APPLIED AT A
- B. ADIRONDACK SEED

1. MIX COMPOSITI 25% VIRGINI 25% CANAD

> 25% AUTUM 25% CAMPE

2. APPLIED AT A

C. SPECIALIZED WETL 1. MIX COMPOSITI

> 35.0% CARE 20.0% ELYM

15.0% CARE 12.8% CARE

5.0% CAREX 4.0% VERBEI

- 2.0% HELIOP
- 1.0% CAREX 1.0% SPARG
- 0.7% IRIS VE
- 0.5% BIDENS 0.5% CAREX
- 0.5% CAREX
- 0.5% EUPAT
- 0.5% SCIRPL 0.5% VERNO
- 0.3% LOBEL
- 0.2% PENTH
- 2. APPLIED AT A 3. COVER CROP S

BASED ON SEA

D. FACW WETLAND M 1. MIX COMPOSITI 21.0% CAREX

- 20.0% ELYMU
- 16.0% CAREX 12.0% CAREX
- 12.0% CAREX
- 3.0% VERBEN/
- 2.4% ASCLEP
- 2.0% JUNCUS
- 2.0% ZIZIA AL
- 1.6% ASTER
- 1.3% CAREX
- 1.0% BIDENS
- 1.0% JUNCUS
- 0.8% SOLIDAC
- 0.6% VERBEN/ 0.5% CAREX
- 0.5% EUPATO
- 0.5% HELENIL
- 0.5% MIMULUS
- 0.3% LOBELIA
- 0.3% SCIRPUS
- 0.2% ALISMA 0.2% ASTER
- 0.2% ASTER
- 0.1% PENTHOR

3. COVER CROP

2. APPLIED AT A

BASED ON SEA

V/SWITCHGRASS (ERNMX-102-1)
UN 1 VIRGATUM, 'SHAWNEE' (SWITCHGRASS, 'SHAWNEE')
A RUBRA (CREEPING RED FESCUE)
PRATENSE, CLIMAX (TIMOTHY, CLIMAX)
1 HYBRIDUM (ALSIKE CLOVER)
RATE OF 40 LBS/ACRE.
):
ON a wild bye (flymus vibcinicus vab vibcinicus)
A WILD RYE (ELYMUS CANADENSIS)
N BENTGRASS (AGROSTIS PERENNANS)
RATE OF 40 LBS/ACRE.
AND MIX FOR SHADED OBL-FACW AREAS (ERNMX-137)
ON I VIII PINOIDEA PA ECOTYPE (EOX SEDGE PA ECOTYPE)
US VIRGINICUS, MADISON-NY ECOTYPE (VIRGINIA WILDRYE, MADISON-NY ECOTYPE)
X SCOPARIA, PA ECOTYPE (BLUNT BROOM SEDGE, PA ECOTYPE)
LUPULINA, PA ECOTYPE (HOP SEDGE, PA ECOTYPE)
NA HASTATA, PA ECOTYPE (BLUE VERVAIN, PA ECOTYPE)
INTUMESCENS, PA ECOTYPE (OXEYE SUNFLOWER, PA ECOTYPE)
ANIUM AMERICANUM (EASTERN BUR REED)
ERSICOLOR (BLUEFLAG) S CERNUA, PA ECOTYPE (NODDING BUR MARIGOLD, PA ECOTYPE)
CRINITA, PA ECOTYPE (FRINGED SEDGE, PA ECOTYPE)
ORIUM PERFOLIATUM, PA ECOTYPE (BONESET, PA ECOTYPE)
JS CYPERINUS, PA ECOTYPE (WOOLGRASS, PA ECOTYPE)
NIA NOVEBORACENSIS, PA ECOTYPE (NEW YORK IRONWEED, PA ECOTYPE) A SIPHILITICA, PA ECOTYPE (GREAT BLUE LOBELIA, PA ECOTYPE)
ORUM SEDOIDES, PA ECOTYPE (DITCH STONECROP, PA ECOTYPE)
RATE OF APPROXIMATELY 20 LBS/ACRE, ALONG WITH THE COVER CROP.
SON OF RESTORATION AN ANNUAL RYE THROUGH SPRING AND SUMMER AND WINTER RYE FOR LATE FALL.
EADOW MIX (ERNMX—122) ON
VULPINOIDEA, PA ECOTYPE (FOX SEDGE, PA ECOTYPE)
LURIDA, PA ECOTYPE (VIRGINIA WILDRYE, PA ECOTYPE)
LUPULINA, PA ECOTYPE (HOP SEDGE, PA ECOTYPE)
SCOPARIA, PA ECOTYPE (BLUNT BROOM SEDGE, PA ECOTYPE) A HASTATA, PA ECOTYPE (BLUE VERVAIN, PA ECOTYPE)
AS INCARNATA, PA ECOTYPE (SWAMP MILKWEED, PA ECOTYPE)
EFFUSUS (SOFT RUSH) UREA, PA ECOTYPE (GOLDEN ALEXANDERS, PA ECOTYPE)
NOVAE-ANGLIAE, PA ECOTYPE (NEW ENGLAND ASTER, PA ECOTYPE)
STIPATA, PA ECOTYPE (AWL SEDGE, PA ECOTYPE) CERNUA PA ECOTYPE (NODDING BUR MARIGOLD PA ECOTYPE)
TENUIS, PA ECOTYPE (PATH RUSH, PA ECOTYPE)
GO RUGOSA, PA ECOTYPE (WRINKLELEAF GOLDENROD, PA ECOTYPE)
CRINITA, PA ECOTYPE (FRINGED SEDGE, PA ECOTYPE)
RIUM PERFOLIATUM, PA ECOTYPE (BONESET, PA ECOTYPE)
S RINGENS, PA ECOTYPE (SQUARE STEMMED MONKEYFLOWER, PA ECOTYPE)
SIPHILITICA, PA ECOTYPE (GREAT BLUE LOBELIA, PA ECOTYPE)
SUBCORDATUM, PA ECOTYPE (MUD PLANTAIN, PA ECOTYPE)
PUNICEUS, PA ECOTYPE (PURPLESTEM ASTER, PA ECOTYPE)
UMBELLATUS, PA ECOTYPE (FLAT TOPPED WHITE ASTER, PA ECOTYPE) RUM SEDOIDES, PA ECOTYPE (DITCH STONECROP, PA ECOTYPE)
RATE OF APPROXIMATELY 20 LBS/ACRE, ALONG WITH THE COVER CROP.
MOULD BE APPLIED AT A RATE OF 60-80 LBS/ACRE. COVER CROP TO BE AN ANNUAL RYE. COVER CROP SON OF RESTORATION AN ANNUAL RYE THROUGH SPRING AND SUMMER AND WINTER RYE FOR LATE FALL.

**KIEWIT PROJECT NO.** CHAMPLAIN HUDSON POWER EXPRESS 21162 SEGMENT 3 (PACKAGE 1C) WHITEHALL TO FORT ANN CHA PROJECT NO. 066076 **RESTORATION NOTES** DRAWING NO.

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

AS NOTED DATE X SH.NO.

07/08/2022 XXX OF XXX

G-00**5** 









	1	DUCTBANK SIZE 6" CONDUIT & TO &	C (150 K.cm/W) 30" TRENCH WIDTH, C (SEE DETAIL 1/C-621)			
				~ ~		
			ELE VA TIO STREE T STREE T	ON OF DIVISION AND SAUNDERS		
~ ~ ~						
			SEE STRUCTURAL PLAN SH	EET FOR DESIGN ADJACENT	TO WALL	
150	06+00	15007+00	15008+00	15009+00	15010+00	15011+00

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						S
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.	A	07/08/2021	EM&CP REGULATORY SUBMISSION	JM	JR	-
	No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DR



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							SE S
SPECIFIC DESCRIPTION OF THE ALTERATION.		A	07/08/2021	EM&CP REGULATORY SUBMISSION	JM	JR	-
	N	lo.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DRA



	IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED DESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT							SE
UK ITEN ALT ARC AN THE	LAND SURVETOR TO ALTER AN TIEM IN ANT WAT. IF AN M BEARING THE STAMP OF A LICENSED PROFESSIONAL IS TERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE HITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT ND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY EIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A	-						3
	SPECIFIC DESCRIPTION OF THE ALTERATION.		Α	07/08/2021	EM&CP REGULATORY SUBMISSION	JM	JR	
			No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DRA

















IT IS A ARI PROFESS OR LAN ITEM BE	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							SE SE
ALIERE ARCHITE( AND IN THEIR S	XED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.	-	A	07/08/2021	EM&CP REGULATORY SUBMISSION	JM	JR	-
		-	No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DRAV



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT						S
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.	A	07/08/2021	EM&CP REGULATORY SUBMISSION	JM	JR	
	No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	



![](_page_16_Figure_1.jpeg)

![](_page_16_Picture_2.jpeg)

![](_page_16_Picture_3.jpeg)

![](_page_16_Picture_4.jpeg)

	IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY					
	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.	Α	07/08/2021	EM&CP REGULATORY SUBMISSION	JM	JR
		No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP

![](_page_17_Figure_0.jpeg)

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						S
SPECIFIC DESCRIPTION OF THE ALTERATION.	А	07/08/2021	EM&CP REGULATORY SUBMISSION	JM	JR	]
	 No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DR

		egend
	ASPHALT	Asphalt
	СН	Fat CLAY
	CL	Lean CLAY
	CL-ML	SILTY CLAY
	CONCRETE	Concrete
$\bigcirc$	Fill	Fill
	GC	CLAYEY GRAVEL
	GM	SILTY GRAVEL
	Gneiss	Undefined
	GP	Poorly Graded GRAVEL
	GW	Well Graded GRAVEL
	ML	SILT
		ORGANIC Lean CLAY
	OL/OH	ORGANIC SDIL
	Rock	Undefined
	Sandstone	Sandstone
	SC	CLAYEY SAND
	SC-SM	SILT, CLAYEY SAND
	SHALE	Shale
	SM	SILTY SAND
	SP	Poorly Graded SAND
	SP-SM	Poorly Graded SAND with SILT
	SW	Well graded SAND
	Topsoil	Topsoil
	USGS 708	Gneiss
	USGS 718	Granite 1
	USGS 732	Quartz
		KIEWIT PROJECT NO. 21162 CHA PROJECT NO.

066076 DRAWING NO.

**C-301** 

07/08/2022 XXX OF XXX

RAWN BY: JAS DESIGNED BY: JAS APPROVED BY: JEO REV. NO.

AS NOTED DATE X SH.NO.

![](_page_18_Figure_0.jpeg)

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						S
SPECIFIC DESCRIPTION OF THE ALTERATION.	А	07/08/2021	EM&CP REGULATORY SUBMISSION	JM	JR	]
	 No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DR

		egend
	ASPHALT	Asphalt
	СН	Fat CLAY
	CL	Lean CLAY
	CL-ML	SILTY CLAY
	CONCRETE	Concrete
$\bigcirc$	Fill	Fill
	GC	CLAYEY GRAVEL
	GM	SILTY GRAVEL
	Gneiss	Undefined
	GP	Poorly Graded GRAVEL
	GW	Well Graded GRAVEL
	ML	SILT
		ORGANIC Lean CLAY
	OL/OH	ORGANIC SDIL
	Rock	Undefined
	Sandstone	Sandstone
	SC	CLAYEY SAND
	SC-SM	SILT, CLAYEY SAND
	SHALE	Shale
	SM	SILTY SAND
	SP	Poorly Graded SAND
	SP-SM	Poorly Graded SAND with SILT
	SW	Well graded SAND
	Topsoil	Topsoil
	USGS 708	Gneiss
	USGS 718	Granite 1
	USGS 732	Quartz
		KIEWIT PROJECT NO. 21162 CHA PROJECT NO.

066076 DRAWING NO.

**C-301** 

07/08/2022 XXX OF XXX

RAWN BY: JAS DESIGNED BY: JAS APPROVED BY: JEO REV. NO.

AS NOTED DATE X SH.NO.

![](_page_19_Picture_0.jpeg)

- 1. CONTRACTOR TO MAINTAIN INTEGRITY OF CONSTRUCTION FENCE FOR DURATION OF PROJECT. 2. NO PRUNING SHALL BE PERFORMED EXCEPT BY APPROVED ARBORIST.
- 3. NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING INCLUDING DURING FENCE
- INSTALLATION AND REMOVAL. 4. SEE EROSION CONTROL PLANS LOCATIONS OF TREE PROTECTION AREAS.

![](_page_19_Picture_4.jpeg)

![](_page_19_Figure_5.jpeg)

3 SILT FENCE

SCALE: N.T.S.

## NOTES:

- 1. TIE FABRIC TO WIRE FENCE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- 2. IF EXTRA STRENGTH FABRIC (GREATER THAN 50#/INCH) IS USED, WIRE CAN BE DELETED IF POST SPACING IS REDUCED TO 6' O.C.
- 3. AT THE ENDS OF THE FENCING THE FIRST 20' SHALL BE TURNED UP THE SLOPE 2'.
- 4. POSTS SHOULD BE INCLINED TOWARD THE DIRECTION FLOW CAME FROM.
- 5. OVERLAP FABRIC A MINIMUM OF 6" AND FOLDED AT JOINTS. ATTACH FILTER FABRIS TO STAKES ALLOWING EXTENSION INTO TRENCH AS SHOWN; SECURE TO STAKES AS NOTED.
- 6. THE MAXIMUM AREA OF RUNOFF PER 100LF. OF FENCE SHALL NOT EXCEED 0.25 ACRES.
- MAINTENANCE SHALL BE PERFORMED AS NECESSARY. THE FENCING SHALL BE CHECKED AFTER EVERY STORM TO ENSURE THEIR PROPER FUNCTIONING.
- WHEN FENCE IS NO LONGER NEEDED, THE ACCUMULATED SILT, 8. THE POSTS AND FABRIC SHALL BE REMOVED AND TRENCH BACK FILLED WITH TOPSOIL AND SEEDED.
- 9. FENCING SHOULD BE PLACED AS SHOWN ON THE DRAWING OR IF NOT SHOWN, 10' BEYOND THE TOE OF THE OF THE SLOPE AND AT A SPACING IN ACCORDANCE WITH THE TABLE.
- 10. EXCAVATE TRENCH AS PER DETAIL AND SET POSTS AT 10' O.C.
- 11. BACKFILL WITH COMPACTED, EXCAVATED SOIL FROM TRENCH.

![](_page_19_Picture_18.jpeg)

![](_page_19_Figure_21.jpeg)

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 SUBJEVENDE TO ALTER AN LITEM IN ANY WAY JE 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.	A	07/08/2021	EM&CP REGULATORY SUBMISSION	JM	JR	
	No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DR/

![](_page_20_Figure_0.jpeg)

![](_page_20_Picture_1.jpeg)

![](_page_20_Picture_2.jpeg)

![](_page_20_Picture_3.jpeg)

![](_page_20_Figure_5.jpeg)

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     ITEME BEARING THE STAMP OF A LICENSED PROFESSIONAL IS     ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE     ACHITECT 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.     A   07/08/2021   EM&CP REGULATORY SUBMISSION			No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	D
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.	SPECIFIC DESCRIPTION OF THE ALTERATION.	A	07/08/2021	EM&CP REGULATORY SUBMISSION	JM	JR	
		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 SPECIEUC DESCRIPTION OF THE ALTERATION						S

SCALE RAWN BY: SKB DESIGNED BY: SKB APPROVED BY: JPR REV. NO. AS NOTED DATE X SH.NO.

C-602

07/08/2022

XXX OF XXX

![](_page_21_Picture_0.jpeg)

3 42" WIDTH. 28" CENTER TO CENTER SPACING NOT TO SCALE

![](_page_21_Picture_1.jpeg)

![](_page_21_Picture_2.jpeg)

![](_page_21_Figure_3.jpeg)

![](_page_21_Figure_4.jpeg)

DETERMINED BY THE COMPETENT PERSON IN THE FIELD.

NOTE 1. SLOPE SHALL BE BASED ON OSHA SHEETING AND SHORING REQUIREMENTS TO BE

![](_page_21_Figure_7.jpeg)

CABLE

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 DAID SURVEYOR TO ALLER 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. A 07/08/2021 EM&CP REGULATORY SUBMISSION JM JR
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

4 OPEN TRENCH WITHIN AG LANDS (30" WDTH. 16" CENTER TO CENTER SPACING) NOT TO SCALE

1. SLOPE SHALL BE BASED ON OSHA SHEETING AND SHORING REQUIREMENTS TO BE DETERMINED BY THE COMPETENT PERSON IN THE FIELD.

![](_page_21_Figure_12.jpeg)

![](_page_21_Figure_16.jpeg)

CHAMPLAIN HUDSON POWE EGMENT 3 (PACKAGE 1C) WHITEHA TRENCHING DETAILS	ER EXPRESS ALL TO FORT ANN	KIEWIT PROJECT NO. 21162 CHA PROJECT NO. 066076 DRAWING NO.			
RAWN BY: XXX DESIGNED BY: XXX APPROVED BY: XXX	SCALEAS NOTEDREV. NO.X	DATE     07/08/2022       SH.NO.     XXX OF XXX			

В

Α

![](_page_22_Figure_0.jpeg)

![](_page_22_Picture_1.jpeg)

![](_page_22_Picture_2.jpeg)

![](_page_22_Picture_3.jpeg)

B NOND BEBHINN						
BX1200 GEOGRID <sup>2</sup>	RS5801 GEOTEXTILE					
	24 INCH RIP RAP + 4 INCH AGGREGATE					
12 INCH AGGREGATE	9 INCH AGGREGATE					
9 INCH AGGREGATE						
6 INCH AGGREGATE						
6 INCH AGGREGATE						
TER. LUDED BENEATH GEOGRID LAYER ON COHESIVE SUBGRADE						
) PREVENT DAMAGING OR PUNCHI S SPECIFICATION INCLUDING OVERL	NG OF THE FABRIC. AP AND EDGE DETAILS					

		No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DR
SPECIFIC DESCRIPTION OF THE ALTERATION.	A	07/08/2021	EM&CP REGULATORY SUBMISSION	JM	JR		
	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.						S

![](_page_22_Figure_13.jpeg)

![](_page_22_Picture_14.jpeg)

B

![](_page_23_Picture_0.jpeg)

![](_page_23_Picture_1.jpeg)

![](_page_23_Picture_2.jpeg)

2 TYPICAL DUCTBANK IN ROADWAY - HORIZONTAL SEPARATION

![](_page_23_Figure_4.jpeg)

EXIST. UTILITY (DEPTH AND DIAMETER VARIES/TO BE CONFIRMED PRIOR TO CONSTRUCTION) -

![](_page_23_Figure_6.jpeg)

![](_page_23_Figure_7.jpeg)

![](_page_23_Figure_9.jpeg)

![](_page_23_Figure_11.jpeg)

![](_page_23_Figure_12.jpeg)

![](_page_23_Figure_13.jpeg)

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 (EYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE						
						S
ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND						
SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE IOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						
	A	07/08/2022	EM&CP REGULATORY SUBMISSION	JM	JR	
	No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DR/