

## Appendix C. Plan and Profile Drawings



# CHAMPLAIN HUDSON POWER EXPRESS

## SEGMENT 1 - PUTNAM TO DRESDEN

### WASHINGTON COUNTY, NEW YORK

### 100% FINAL SUBMISSION

(APRIL 15, 2022)



SITE LOCATION MAP  
SCALE: 1" = 3000'



NOT FOR CONSTRUCTION



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A	04/15/2022	EM&CP REGULATORY SUBMISSION	JM	JR	
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	

CHAMPLAIN HUDSON POWER EXPRESS  
SEGMENT 1 - PUTNAM TO DRESDEN  
COVER SHEET

DRAWN BY:	JTM	DESIGNED BY:	JTM	APPROVED BY:	JPR	SCALE	AS NOTED	DATE	04/15/2022
						REV. NO.		SH.NO.	XXX OF XXX

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	G-000
DATE	04/15/2022
SH.NO.	XXX OF XXX



File: V:\PROJECTS\ANY\6\066076.000\09\_DESIGN\DRAWINGS\01\_SHEETS\DESIGN PACKAGE 1A\G-001.DWG Saved: 4/12/2022 1:57:18 PM Plotted: 4/12/2022 7:38:49 PM Current User: Evans, Josh LastSavedBy: 4884

1

2

3

4

Structure Table				
Structure Name	Station	Finished Grade	Bottom of Structure	Difference
FIBER SPLICE MANHOLE 001	10000+00.00	RIM = 105.53	101.528	0.00
FIBER SPLICE MANHOLE 002	10160+73.15	RIM = 307.91	303.914	4.00
FIBER SPLICE MANHOLE 003	10317+87.48	RIM = 384.41	380.406	4.00
LINK BOX HANDHOLE 004	10096+50.74	RIM = 374.95	370.951	4.50
LINK BOX HANDHOLE 008	10206+83.35	RIM = 306.51	302.508	4.50
LINK BOX HANDHOLE 012	10323+96.77	RIM = 358.86	354.859	4.50
SPLICE VAULT 001	10031+35.03	RIM = 250.35	246.350	11.67
SPLICE VAULT 002	10063+56.11	RIM = 331.64	327.635	11.67
SPLICE VAULT 003	10096+26.24	RIM = 375.31	371.309	11.67
SPLICE VAULT 004	10119+56.87	RIM = 371.51	364.000	15.17
SPLICE VAULT 005	10143+83.16	RIM = 297.19	291.194	11.67
SPLICE VAULT 006	10180+33.52	RIM = 289.51	285.508	11.67
SPLICE VAULT 007	10206+58.85	RIM = 305.66	301.662	11.67
SPLICE VAULT 008	10232+72.08	RIM = 430.35	426.348	11.67
SPLICE VAULT 009	10258+52.97	RIM = 421.46	417.457	11.67
SPLICE VAULT 010	10291+66.23	RIM = 556.51	552.511	11.67
SPLICE VAULT 011	10323+72.32	RIM = 360.47	356.469	11.67
SPLICE VAULT 012	10357+24.45	RIM = 138.17	134.175	11.67
SPLICE VAULT 013	10389+26.55	RIM = 152.46	148.463	11.67
TRANSITION VAULT	10000+00.00	RIM = 105.25	101.255	11.67



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



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A	04/15/2022	EM&CP REGULATORY SUBMISSION	JM	JR	
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	

CHAMPLAIN HUDSON POWER EXPRESS  
SEGMENT 1 - PUTNAM TO DRESDEN  
KEYPLAN

DRAWN BY: JTM DESIGNED BY: JTM APPROVED BY: JPR SCALE AS NOTED REV. NO. X

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	G-001
DATE	04/15/2022
SH.NO.	XXX OF XXX



**SURVEY NOTES:**









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


**SUBSURFACE UTILITY ENGINEERING NOTES:**

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

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







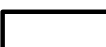



WETLAND COMMUNITY TYPES LEGEND

	PEM - PALUSTRINE EMERGENT
	PSS - PALUSTRINE SCRUB-SHRUB
	PFO - PALUSTRINE FORESTED
	PUB - PALUSTRINE UNCONSOLIDATED BOTTOM
	L1 - LACUSTRINE LIMNETIC
	L2 - LACUSTRINE LITTORAL
	NYSDEC FWW 100-FOOT ADJACENT AREA
	GIS - WETLAND

 JD BOUNDARY

WILLIAMS AERIAL & MAPPING, INC.  
MAPPING FEATURES LEGEND












**LEGEND:**

	WETLAND PROTECTION FENCE
	COMPOST FILTER SOCK (OR SILT SOCK)
	LIMIT OF WORK/DISTURBANCE
	LIMITS OF CLEARING/LIMITS OF WORK IN CLEARING AREAS
	CONCRETE WASHOUT
	ACCESS ROADS
	SPLICE VAULT
	LINK BOX HANDHOLE
	FIBER SPLICE HANDHOLE
	BORING LOCATION
XXXXXX+XX	ALIGNMENT























TRANSPORTATION

BRIDGE DECK  
PAVED DRIVEWAY  
UNPAVED DRIVEWAY  
PAVED PARKING  
UNPAVED PARKING  
ABANDONED ROAD  
CURBED ROAD  
PAVED ROAD  
UNPAVED ROAD  
RAILROAD  
INACTIVE RAILROAD  
RAILROAD SWITCH/BOX/SIGNAL/POLE  
PAVED SHOULDER  
UNPAVED SHOULDER  
SIDEWALK  
TRAIL

## UTILITIES

			ANTENNA
			UTILITY BOX
			CATCH BASIN
			HANDHOLE
			FIRE HYDRANT
			LIGHT POLE
			MANHOLE
			MISCELLANEOUS POLE
			PIPELINE
			UTILITY POLE
			GUYWIRE

## STRUCTURES


	BUILDING
	RUIN
	TANK
	CONCRETE
	CONCRETE SPILLWAY
	DECK
	DOCK
	FENCE
	FENCE, OBSCURED/INDEFINITE
	RAILING
	GIRDER BRIDGE FRAME
	GIRDER BRIDGE PILING
	GUARDRAIL
	MAILBOX
	MISCELLANEOUS OVERHEAD
	MISCELLANEOUS
	PATIO
	PEDESTAL
	PLANTER
	PLATFORM
	POOL
	POST
	SATELLITE DISH
	SIGN
	STEPS
	STONEWALL
	WALL
	RETAINING WALL








### TOPOGRAPHY

CONTOUR, INDEX  
 CONTOUR, DEPRESSION INDEX  
 CONTOUR, INTERMEDIATE  
 CONTOUR, DEPRESSION INTERMEDIATE  
 SPOT ELEVATION

## CULTURA

DEBRIS  
FIELD LINE  
LANDSCAPE AREA  
PILE  
STORAGE AREA

HYDROGRAPHIC

 HYDROGRAPHIC CULVERT  
 CULVERT, OBSCURED  
 INUNDATED AREA  
 RIP-RAP  
 STREAM  
 SWAMP  
 WATER LEVEL

NATURAL

BOULDER  
SCRUB  
TREE LINE  
SINGLE TREE/BUSH

## PROJECT

△ 154.3550  
2022

MAPPING BOUNDARY  
GROUND CONTROL

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
SEGMENT 1: GENERAL SHEETS	
G-000	COVER SHEET
G-001	KEYPLAN
G-002	SURVEY NOTES AND SHEET INDEX
G-003	GENERAL NOTES
G-011	EM&CP DATA TABLES
G-012	EM&CP DATA TABLES
G-013	EM&CP DATA TABLES
G-020	RESTORATION NOTES
SEGMENT 1: PLAN AND PROFILE SHEETS	
C-101	STA. 10000+00 TO STA. 10015+00
C-102	STA. 10015+00 TO STA. 10030+00
C-103	STA. 10030+00 TO STA. 10045+00
C-104	STA. 10045+00 TO STA. 10060+00
C-105	STA. 10060+00 TO STA. 10075+00
C-106	STA. 10075+00 TO STA. 10090+00
C-107	STA. 10090+00 TO STA. 10105+00
C-108	STA. 10105+00 TO STA. 10120+00
C-109	STA. 10120+00 TO STA. 10135+00
C-110	STA. 10135+00 TO STA. 10150+00
C-111	STA. 10150+00 TO STA. 10160+00
C-112	STA. 10160+00 TO STA. 10175+00
C-113	STA. 10175+00 TO STA. 10190+00
C-114	STA. 10190+00 TO STA. 10205+00
C-115	STA. 10205+00 TO STA. 10220+00
C-116	STA. 10220+00 TO STA. 10235+00
C-117	STA. 10235+00 TO STA. 10250+00
C-118	STA. 10250+00 TO STA. 10265+00
C-119	STA. 10265+00 TO STA. 10280+00
C-120	STA. 10280+00 TO STA. 10295+00
C-121	STA. 10295+00 TO STA. 10310+00
C-122	STA. 10310+00 TO STA. 10325+00
C-123	STA. 10325+00 TO STA. 10340+00
C-124	STA. 10340+00 TO STA. 10355+00
C-125	STA. 10355+00 TO STA. 10370+00
C-126	STA. 10370+00 TO STA. 10385+00
C-127	STA. 10385+00 TO STA. 10390+00
SEGMENT 1: ACCESS AND CONSTRUCTION STAGING PLANS	
C-201	RYDER ROAD STAGING AND LAYDOWN AREA (SOUTH)
C-202	RYDER ROAD STAGING AND LAYDOWN AREA (NORTH)
SEGMENT 1: HDD TRENCHLESS PLANS	
C-301	PROPOSED PLAN AND PROFILE – HDD 1
C-301A	PROPOSED PLAN AND PROFILE – HDD 1
SEGMENT 1: EROSION AND SEDIMENT CONTROL PLANS	
C-400	KEYPLAN E&S
C-401	STA. 10000+00 TO STA. 10030+00 EROSION AND SEDIMENT CONTROL PLAN
C-402	STA. 10030+00 TO STA. 10060+00 EROSION AND SEDIMENT CONTROL PLAN
C-403	STA. 10060+00 TO STA. 10090+00 EROSION AND SEDIMENT CONTROL PLAN
C-404	STA. 10090+00 TO STA. 10120+00 EROSION AND SEDIMENT CONTROL PLAN
C-405	STA. 10120+00 TO STA. 10150+00 EROSION AND SEDIMENT CONTROL PLAN
C-406	STA. 10150+00 TO STA. 10160+00 EROSION AND SEDIMENT CONTROL PLAN
C-407	STA. 10160+00 TO STA. 10190+00 EROSION AND SEDIMENT CONTROL PLAN
C-408	STA. 10190+00 TO STA. 10220+00 EROSION AND SEDIMENT CONTROL PLAN
C-409	STA. 10220+00 TO STA. 10250+00 EROSION AND SEDIMENT CONTROL PLAN
C-410	STA. 10250+00 TO STA. 10280+00 EROSION AND SEDIMENT CONTROL PLAN
C-411	STA. 10280+00 TO STA. 10295+00 EROSION AND SEDIMENT CONTROL PLAN
C-412	STA. 10310+00 TO STA. 10340+00 EROSION AND SEDIMENT CONTROL PLAN
C-413	STA. 10340+00 TO STA. 10370+00 EROSION AND SEDIMENT CONTROL PLAN
C-414	STA. 10370+00 TO STA. 10390+00 EROSION AND SEDIMENT CONTROL PLAN

## SEGMENT 1: MAINTENANCE AND PROTECTION OF TRAFFIC PLANS

C-501	WORK ZONE TRAFFIC CONTROL NOTES, LEGEND AND ABBREVIATIONS
C-502	WORK ZONE TRAFFIC CONTROL
C-503	WORK ZONE TRAFFIC CONTROL
C-504	WORK ZONE TRAFFIC CONTROL
C-505	WORK ZONE TRAFFIC CONTROL
C-506	WORK ZONE TRAFFIC CONTROL
C-507	WORK ZONE TRAFFIC CONTROL
C-508	WORK ZONE TRAFFIC CONTROL
C-509	WORK ZONE TRAFFIC CONTROL
C-510	WORK ZONE TRAFFIC CONTROL LAKE ROAD DETOUR PLAN
C-511	WORK ZONE TRAFFIC CONTROL
C-512	WORK ZONE TRAFFIC CONTROL
C-513	WORK ZONE TRAFFIC CONTROL
SEGMENT 1: CIVIL DETAILS: ESC DETAILS	
C-601	EROSION AND SEDIMENT CONTROL DETAILS
C-602	EROSION AND SEDIMENT CONTROL DETAILS
SEGMENT 1: CIVIL DETAILS: EM&CP DETAILS	
C-611	WETLAND CROSSING DETAILS
SEGMENT 1: CIVIL DETAILS: CONSTRUCTION AND INSTALLATION DETAILS	
C-621	TRENCHING DETAILS
SEGMENT 1: CIVIL DETAILS: RESTORATION DETAILS	
C-631	SURFACE RESTORATION DETAILS
SEGMENT 1: STRUCTURAL DETAILS	
S-700	SPlice VAULT PLAN AND ELEVATION
S-701	SPlice VAULT SECTION & DETAILS
S-710	LINK BOX HANDHOLE PLAN, ELEVATIONS & SECTION
S-720	SELF SUPPORTING STRUCTURE OVER UTILITIES
S-730	TRANSITION VAULT PLAN AND ELEVATION
S-731	TRANSITION VAULT SECTION & DETAILS
S-770	COMMUNICATION HANDHOLE PLAN ELEVATION AND SECTION
SEGMENT 1: UTILITY DETAILS	
C-901	UTILITY TYPICAL SEPARATION DETAILS



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						CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 1 - PUTNAM TO DRESDEN SURVEY NOTES AND SHEET INDEX							KIEWIT PROJECT NO. 21162			
													CHA PROJECT NO. 068076			
													DRAWING NO.			
													G-002			
A	04/15/2022	EM&CP REGULATORY SUBMISSION			JM	JR										
No.	DATE	SUBMITTAL / REVISION DESCRIPTION			DB	APP	DRAWN BY:	JTM	DESIGNED BY:	JTM	APPROVED BY:	JPR	SCALE REV. NO.	AS NOTED X	DATE SH.NO.	04/15/2022 XXX OF XXX



GENERAL NOTES:

1. THE PLANS SHOW SUBSURFACE STRUCTURES, ABOVE GROUND STRUCTURES AND/OR UTILITIES FROM FIELD LOCATION AND RECORD MAPPING, EXACT LOCATION OF WHICH MAY VARY FROM THE LOCATIONS INDICATED. IN PARTICULAR, THE CONTRACTOR IS WARNED THAT THE EXACT OR EVEN APPROXIMATE LOCATION OF SUCH PIPELINES, SUBSURFACE STRUCTURES AND/OR UTILITIES IN THE AREA MAY BE DIFFERENT FROM THAT SHOWN OR MAY NOT BE SHOWN, AND IT SHALL BE HIS RESPONSIBILITY TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK, 48 HOURS BEFORE YOU DIG, DRILL, OR BLAST, CALL U.F.P.O. 1-(800)-962-7962 TOLL FREE.
2. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED APPROVAL OF THE ENGINEER.
3. THE CONTRACTOR SHALL RESTORE LAWNS, DRIVEWAYS, CULVERTS, SIGNS AND OTHER PUBLIC OR PRIVATE PROPERTY DAMAGED OR REMOVED TO AT LEAST AS GOOD A CONDITION AS BEFORE BEING DISTURBED AS DETERMINED BY THE ENGINEER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND INCURRING THE COST OF ALL CONSTRUCTION PERMITS, INSPECTIONS, CERTIFICATES, ETC. AND SHALL COMPLY WITH ALL REQUIRED PERMITS.
5. ALL WORK SHALL BE DONE IN STRICT COMPLIANCE WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES, STANDARDS, ORDINANCES, RULES, AND REGULATIONS.
6. ALL PROPOSED UTILITIES AND APPURTENANCES TO BE CONSTRUCTED IN COMPLIANCE WITH THE LOCAL MUNICIPALITIES' CODES AND REGULATIONS GOVERNING THE INSTALLATION OF SUCH UTILITIES.
7. THE ENGINEER RESERVES THE RIGHT TO EXAMINE ANY WORK DONE ON THIS PROJECT AT ANY TIME TO DETERMINE THE CONFORMANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS OF THIS PROJECT.
8. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION, ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE ENGINEER OR OWNER, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE UNDER THE SUPERVISION OF A NEW YORK STATE LICENSED LAND SURVEYOR.
9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE ALL PLAN SHEETS.
10. THE CONTRACTOR SHALL:
  - A. VERIFY ALL CONDITIONS IN THE FIELD PRIOR TO COMMENCEMENT OF WORK AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
  - B. EXAMINE THE SITE AND INCLUDE IN HIS WORK THE EFFECT OF ALL EXISTING CONDITIONS ON THE WORK.
  - C. PROVIDE AND INSTALL ALL MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH RECOGNIZED GOOD STANDARD PRACTICE.

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

1. ALL TRENCH EXCAVATION AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH THE LATEST REVISIONS OF NEW YORK STATE INDUSTRIAL CODE RULE 23 AND OSHA REGULATIONS FOR CONSTRUCTION. SHEET PILING SHALL BE DESIGNED AND SEALED BY A NEW YORK STATE PROFESSIONAL ENGINEER. WHERE WITHIN RAIL ROAD ROW, ANY EXCAVATION AND SHORING SHALL BE DESIGNED TO MINIMUM CP AND AREAMA REQUIREMENTS.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK AND SHALL SUBMIT A DEWATERING PLAN. CONTRACTOR SHALL MAINTAIN EXISTING SITE DRAINAGE PATTERNS THROUGHOUT CONSTRUCTION UNLESS OTHERWISE SHOWN ON THE PLANS.
13. MAINTAIN FLOW FOR ALL EXISTING UTILITIES.
14. ALL FRAMES/COVERS WITHIN PAVED AREAS SHALL HAVE THE TOPS SET FLUSH WITH THE EXISTING PAVED GRADE. IN LANDSCAPED AREAS, ALL FRAMES SHALL BE 0.1' ABOVE GRADE.
15. TEMPORARY PAVEMENT SHALL BE PLACED WITHIN 48 HOURS OF COMPLETION OF BACKFILL OPERATIONS WITHIN THE EXISTING PAVEMENT LIMITS.
16. CONTRACTOR SHALL MAINTAIN ALL TRAFFIC IN ALL AREAS IN ACCORDANCE WITH THE NYSDOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
17. ALL EXCAVATIONS SHALL BE PROTECTED AT THE END OF EACH WORK DAY PER OSHA AND NYSDOT REQUIREMENTS.
18. WITHIN NYSDOT ROW ALL OPEN EXCAVATIONS TO BE PROTECTED BY CONCRETE BARRIERS OR BE COVERED BY A STEEL PLATE, 3/4" THICK MINIMUM. A SINGLE PLATE SHOULD COVER THE ENTIRE EXCAVATION AND HAVE ENOUGH BEARING ON SURROUNDING SURFACES TO SUPPORT A VEHICLE.
19. CONTRACTOR SHALL TAKE CARE TO PREVENT DAMAGE TO EXISTING UTILITIES. UTILITIES DAMAGED BY CONTRACTOR SHALL BE IMMEDIATELY REPAIRED BY CONTRACTOR AT THE CONTRACTOR'S EXPENSE. IF DURING EXCAVATION PREVIOUSLY DAMAGED UTILITIES ARE UNCOVERED, CONTRACTOR SHALL DOCUMENT THE DAMAGE AND REPORT DAMAGE TO THE APPROPRIATE OWNER.
20. DEPTH OF BURY FOR EXISTING CABLED UTILITIES FIBER / ELECTRICAL / TELECOM AND WATERLINES UNKNOWN. ASSUMED DEPTH OF BURY FOR CABLED UTILITIES IS 30" UNLESS OTHERWISE SHOWN. ASSUMED DEPTH OF BURY FOR WATERLINES IS 5' UNLESS OTHERWISE SHOWN.
21. CONTRACTOR TO COORDINATE ALL DRIVEWAY CROSSINGS WITH THE PROPERTY OWNERS PRIOR TO EXCAVATING. ACCESS TO ALL DRIVEWAYS FOR THE RESIDENTS AND COMMERCIAL PROSPERITIES, WILL NEED TO BE MAINTAINED DURING THE PROJECT. ALL EXCAVATIONS IN THE ENTRANCES/DRIVEWAYS WILL NEED TO BE BACKFILLED AT THE END OF EACH WORKDAY, OR STEEL PLATES SHALL BE INSTALLED TO ALLOW ACCESS DURING CONSTRUCTION. REFER TO THE EM&CP FOR EMERGENCY ACCESS MANAGEMENT PLAN.

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



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.

[illegible]



## SEGMENT 1 – AGRICULTURAL DISTRICT LANDS

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

## SEGMENT 1 – RECREATIONAL AREAS

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

## SEGMENT 1 – CONSTRUCTION METHODS

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

## SEGMENT 1 – ACCESS ROADS

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

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

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

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

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

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

## SEGMENT 1 – FEMA

B



TABLE 7.1: SEGMENT 1 – TREE AND CLEARING LOCATIONS		
DESCRIPTION	LOCATION (APPROXIMATE – SEE DRAWINGS FOR DETAILS)	TREE & VEGETATION CLEARING METHOD TYPE
TREE TRIMMING AND VEGETATION CLEARING, NO TREE REMOVAL ANTICIPATED.	10053+84 TO 10054+09, 10056+19 TO 10056+43 (C–104)	TYPE I AND TYPE II, WITHIN APA BOUNDARY SEE SECTION 7.1.4 FOR STANDARDS AND SPECIFICATIONS.
TREE TRIMMING AND VEGETATION CLEARING, NO TREE REMOVAL ANTICIPATED.	10068+95 TO 10070+11, 10070+40 TO 10072+63, 10073+02 TO 10074+16 (C–105)	TYPE I AND TYPE II, WITHIN APA BOUNDARY.
TREE TRIMMING AND VEGETATION CLEARING, NO TREE REMOVAL ANTICIPATED.	10076+48 TO 10063+54, 10076+10 TO 10077+15, 10077+48 TO 10077+86, 10079+13 TO 10079+48, 10079+70 TO 10081+36, 10081+56 TO 10082+57, 10082+86 TO 10083+26, 10083+41 TO 10083+76, 10084+36 TO 10085+06, 10086+00 TO 10086+14, 10086+60 TO 10087+96, 10088+83 TO 10090+31 (C–106)	TYPE I AND TYPE II, WITHIN APA BOUNDARY.
TREE TRIMMING AND VEGETATION CLEARING, NO TREE REMOVAL ANTICIPATED.	10091+06 TO 10091+40, 10091+77 TO 10092+16, 10092+70 TO 10092+85, 10096+25 TO 10097+40, 10098+29 TO 10100+64, 10101+98 TO 10103+34, 10103+56 TO 10105+54 (C–107)	TYPE I AND TYPE II, WITHIN APA BOUNDARY.
TREE TRIMMING AND VEGETATION CLEARING, NO TREE REMOVAL ANTICIPATED.	10106+00 TO 10106+26, 10106+34 TO 10109+10, 10110+07 TO 10113+83, 10115+06 TO 10116+20, 10117+16 TO 10117+50, 10117+71 TO 10118+00, 10118+10 TO 10119+35, 10119+65 TO 10120+25 (C–108)	TYPE I AND TYPE II, WITHIN APA BOUNDARY.
TREE TRIMMING AND VEGETATION CLEARING, NO TREE REMOVAL ANTICIPATED.	10120+62 TO 10120+85, 10121+50 TO 10122+29, 10125+15 TO 10128+18, 10128+46 TO 10128+69, 10128+82 TO 10130+58, 10131+07 TO 10133+88 (C–109)	TYPE I AND TYPE II, WITHIN APA BOUNDARY.
TEMPORARY ACCESS ROAD FOR LAKE ROAD HDD 1, TREE TRIMMING AND VEGETATION CLEARING, NO TREE REMOVAL ANTICIPATED.	10138+20 TO 10138+62, 10141+62 TO 10141+79 (C–110)	TYPE I AND TYPE II, WITHIN APA BOUNDARY.
TREE TRIMMING AND VEGETATION CLEARING, NO TREE REMOVAL ANTICIPATED.	10294+00 TO 10295+00 (C–120)	TYPE I AND TYPE II, WITHIN APA BOUNDARY.
TREE TRIMMING AND VEGETATION CLEARING, NO TREE REMOVAL ANTICIPATED.	10298+25 TO 10298+83 (C–120)	TYPE I AND TYPE II, WITHIN APA BOUNDARY.

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

SEGMENT 1 – TREE AND CLEARING LOCATIONS

TABLE 7.2 SEGMENT 1 – TREE AND VEGETATION CLEARING METHODS		
METHOD TYPE	METHOD TITLE	METHOD DESCRIPTION
TYPE I	HAND CUTTING (HC)	THIS METHOD EMPLOYS A HAND–HELD CHAIN SAW. IT IS SELECTIVE BUT IS SLOWER AND MORE EXPENSIVE THAN MOTORIZED MECHANICAL DEVICES. RESIDENTIAL AREAS, BUFFER ZONES, WETLANDS, AND HIGHWAY SCREENS ARE AREAS WHERE HAND CUTTING IS TYPICALLY PRESCRIBED.
TYPE II	MECHANICAL CLEARING MACHINE (HA)	THIS TERM USUALLY REFERS TO A MACHINE KNOWN AS THE HYDRO–AX OR KERSHAW MOWER. THIS MACHINE CAN CUT TREES UP TO TEN (10) INCHES IN DIAMETER AT THE RATE OF SEVERAL ACRES A DAY, DEPENDING ON STEM DENSITY AND TERRAIN. IT IS ESSENTIALLY NONSELECTIVE AND A GOOD DEVICE FOR CLEARING RIGHTS–OF–WAY THAT ARE COMPOSED OF YOUNG UNDESIRABLE SPECIES IN A RELATIVELY UNIFORM STAND.
TYPE III	MOWING	THIS TECHNIQUE IS PRIMARILY USED IN AREAS OF HERBACEOUS VEGETATION. TERRAIN MUST BE RELATIVELY FLAT WITH NO GULLIES OR ROCKS.
TYPE IV	MECHANICAL WHOLE–TREE FELLING EQUIPMENT	THIS METHOD ALLOWS CONTROLLED FELLING AND LOADING OF WHOLE TREES WHILE MINIMIZING DAMAGE TO ADJACENT TREES. WHERE VEGETATION IS CLEARED, EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED AND MONITORED UNTIL THE TOPSOIL IS STABILIZED AND CAN SUPPORT GRASSY VEGETATION.

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

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

SEGMENT 1 – TREE AND VEGETATION CLEARING METHODS

TABLE 7.2 SEGMENT 1 – TREE AND VEGETATION DISPOSAL METHODS		
METHOD TYPE	METHOD TITLE	METHOD DESCRIPTION
TYPE A	CONSTRUCTION USE	LOGS MAY BE UTILIZED AS NEEDED DURING CONSTRUCTION FOR WETLAND ACCESS, CRIBBING, RETAINING WALLS, OR OTHER USES. FOLLOWING USE, ANY LOGS UNSUITABLE FOR FIREWOOD, SAW LOGS, OR CHIPPING WILL BE TRANSPORTED OFF THE RIGHT–OF–WAY TO AN APPROVED DISPOSAL SITE..
TYPE B	LOG PILES	LGS NOT NEEDED FOR CONSTRUCTION WILL BE REMOVED FROM THE RIGHT–OF–WAY TO AN APPROVED DISPOSAL AREA.
TYPE C	SALE	WHERE SUFFICIENT MERCHANTABLE VOLUME EXISTS ON THE SITE, LOGS MAY BE SOLD TO A THIRD PARTY. WHERE APPROPRIATE AND PRACTICAL, AND WITH THE AGREEMENT OF LANDOWNERS, UNSOLD LOGS WILL BE HAULED TO ACCESSIBLE LOCATIONS FOR SALVAGE BY THE GENERAL PUBLIC IN ACCORDANCE WITH THE SUBSTANTIVE REQUIREMENTS OF 6 NYCRR PART 192.5, FIREWOOD RESTRICTIONS TO PROTECT FORESTS FROM INVASIVE SPECIES.
TYPE D	TREE/LOG CHIPPING	WHEN LOGS CANNOT BE REUSED OR SOLD, THEY WILL BE CHIPPED ON SITE. THE RESULTING WOOD CHIPS WILL BE PILED IN UPLAND AREAS WITIN THE RIGHT–OF–WAY OR TRANSPORTED OFF RIGHT–OF–WAY TO AN APPROVED DISPOSAL SITE. WOOD CHIPS WILL BE SPREAD THREE (3) TO FIVE (5) INCHES THICK WITH FERTILIZER SPREAD OVER THE CHIPS TO MINIMIZE SOIL NITROGEN DEPLETION DUE TO CELLULOSE DECOMPOSITION.
TYPE E	VEGETATION CHIPPING	VEGETATION MAY BE CHIPPED TO REDUCE DEBRIS VOLUME. SEE TABLE 7.3 ABOVE FOR THE HANDLING OF CHIPS.
TYPE F	VEGETATION HAULING	VEGETATION AND STUMPS MAY BE HAULED TO A NYSDEC APPROVED LANDFILL OR OTHER SUITABLE OFF–SITE LOCATION WITH THE APPROVAL OF THE LANDOWNER AND ALL APPLICABLE PERMITTING AGENCIES.
TYPE G	VEGETATION BURIAL	STUMPS MAY BE BURIED ON THE RIGHT–OF–WAY WITH LANDOWNER AGREEMENT. THE BURIAL AREAS WILL BE SUFFICIENTLY COMPACTED AND MONITORED AFTER CONSTRUCTION TO ASSURE THAT SETTLING DOES NOT OCCUR. WHERE SIGNIFICANT SETTLING AFTER CONSTRUCTION HAS BEEN IDENTIFIED BY THE CONSTRUCTION INSPECTOR ET.AL., FINISHED GRADE WILL BE RE–ESTABLISHED USING LOCALLY OBTAINED RUN–OF–BANK MATERIAL AND/OR TOPSOIL AND RE–SEEDED AS APPROPRIATE AS SPECIFIED IN SECTIONS 14.2. AREAS WHERE SIGNIFICANT AMOUNTS OF STUMP BURIAL OCCURS WILL BE NOTED ON AS–BUILT DRAWINGS, AND MONITORED FOR SETTILING DURING ROW CONDITION SURVEYS AND MAINTENANCE ACTIVITIES.

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

SEGMENT 1 – TREE AND VEGETATION CLEARING METHODS

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

NOTES:

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

SEGMENT 1 – IMPACTS TO WETLANDS AND WATERBODIES

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

TABLE 8.4: SEGMENT 1 – STATE LISTED SPECIES TABLE				
SPECIES NAME (SCIENTIFIC NAME)	LOCATION	AVOIDANCE	MINIMIZATION MEASURES	IMPACTS
TIMBER RATTLESNAKE (Crotalus horridus)	SEGMENT 1– DOCUMENTED WITHIN ½ MILE OF THE PROJECT	SITE INSPECTIONS FOR PRESENCE	CONDUCT WORK DURING HIBERNATION OR EXCLUSIONARY FENCING	NONE
NORTHERN LONG–EARED BAT (Myotis septentrionalis)	THROUGHOUT SEGMENT 1 WITHIN FORESTED AREAS	NO TREE CUTTING ANTICIPATED FOR SEGMENT 1 EXCEPT FOR AS NOTED IN MINIMIZATION COLUMN	TREE REMOVAL WILL BE LIMITED TO OCTOBER 31 THROUGH MARCH 31.	NONE
BALD EAGLE (Haliaeetus leucocephalus)	SEGMENT 1– DOCUMENTED ½ MILE FROM THE PROJECT IN PUTNAM STATION	NO IMPACT	100% AVOIDABLE	NONE
LAKE WATER CRESS (Rorippe aquatica) – THREATENED	SEGMENT 1	NO AQUATIC IMPACTS. ALL WORK WITHIN ROADS AND ROAD SHOULDERS.	100% AVOIDABLE	NONE

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

SEGMENT 1 – FEDERALLY LISTED AND STATE LISTED SPECIES

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

SEGMENT 1 – INVASIVE SPECIES

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

SEGMENT 1 – CULTURAL RESOURCES



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.

A	04/15/2022	EM&CP REGULATORY SUBMISSION	JM	JR	
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	

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

DRAWN BY: xxxDESIGNED BY: xxxAPPROVED BY: xxxSCALE AS NOTEDREV. NO. x

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	G-012
DATE	04/15/2022
SH.NO.	xxx OF xxx



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

SEGMENT 1 – NYSDOT COORDINATION SUMMARY

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

SEGMENT 1 – CO-LOCATED INFRASTRUCTURE CONSULTATION SUMMARY

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TABLE 12.2: SEGMENT 1 – UTILITY CROSSINGS				
CROSSING ID	UTILITY TYPE	UDERGROUND OR OVERHEAD	CROSSING TYPE	APROXIMATE STATION (DETAILS ON DRAWINGS)
N/A	ELECTRIC (SECTION 12.3.2)	OVERHEAD	OPEN CUT/TRENCH	10005+00, 10006+25, 10008+00, 10014+75(C-101)
N/A	STORM (SECTION 12.3.3)	UDERGROUND	OPEN CUT/TRENCH	10015+00 (C-101)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10022+75, 10027+00 (C-102)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10019+25, 10024+50, 10027+00, 10029+75 (C-102)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10035+00, 10041+00, 10044+75, 10045+25 (C-103)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10036+00, 10039+25, 10041+75, 1044+25 (C-103)
N/A	ELECTRIC	UDERGROUND	OPEN CUT/TRENCH	10046+25 (C-104)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10050+50, 10054+75, 10058+25 (C-104)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10062+50, 10067+75, 10074+00 (C-105)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10064+75 (C-105)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10078+25, 10080+75 (C-106)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10076+00, 10077+25, 10080+50, 10089+75 (C-106)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10093+25, 10105+00 (C-107)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10097+00, 10102+25, 10104+75 (C-107)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10106+75, 10107+75, 10109+25, 10111+75, 10112+25, 10117+25 to 10117+50 C-108)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10112+75, 10116+75 (C-108)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10121+00, 10122+00 (C-109)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10122+75, 10128+50 (C-109)
N/A	ELECTRIC	UDERGROUND	OPEN CUT/TRENCH	10141+75 (C-110)
HDD 1	ELECTRIC	UDERGROUND	HDD	10147+75 (C-110)
HDD 1	STORM	UDERGROUND	HDD	10178+75, 10149+00 (C-110)
HDD 1	ELECTRIC	UDERGROUND	HDD	10152+00 (C-111)
HDD 1	ELECTRIC	UDERGROUND	OPEN CUT/TRENCH	10155+50 (C-111)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10169+50 (C-112)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10175+25 (C-112)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10179+25 (C-113)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10177+00, 10183+50, 10189+50 (C-113)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10203+00 (C-114)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10197+75 to 10198+00 (C-114)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10205+25, 10205+75, 10208+25 (C-115)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10210+25, 10219+75 (C-115)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10229+75 (C-116)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10225+75 (C-116)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10252+00 (C-118)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10265+25 (C-119)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10280+75 (C-120)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10300+25, 10307+50 (C-121)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10311+75, 10317+50, 10322+50 (C-122)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10328+25 (C-123)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10346+25 (C-124)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10361+00 (C-125)
N/A	ELECTRIC	OVERHEAD	OPEN CUT/TRENCH	10374+00, 10378+00 (C-126)
N/A	STORM	UDERGROUND	OPEN CUT/TRENCH	10372+25, 10378+00, 10383+25 (C-126)

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

SEGMENT 1 – TRANSPORTATION AND UTILITY CROSSINGS

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

NOTES:

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

SEGMENT 1 – RESTORATION METHODS

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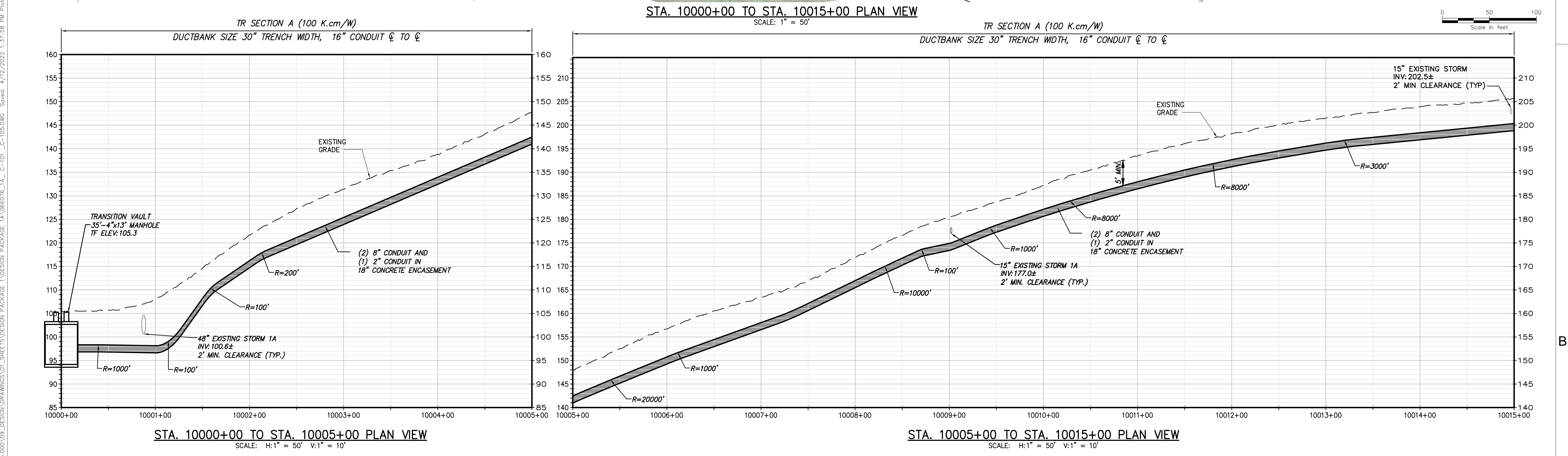
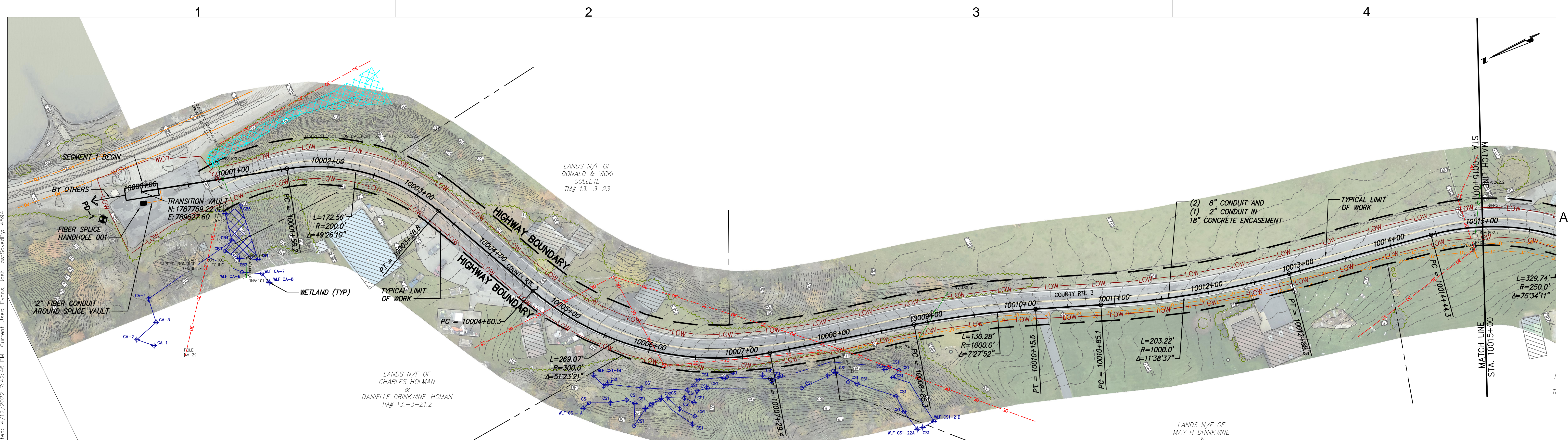
CHAMPLAIN HUDSON POWER EXPRESS  
SEGMENT 1- PUTNAM TO DRESDEN  
EM&CP DATA TABLES




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										CHA PROJECT NO. 066076
										DRAWING NO. G-013
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#### SEGMENT 1 - PUTNAM TO DRESDEN

STA. 10000+00 TO STA. 10015+00

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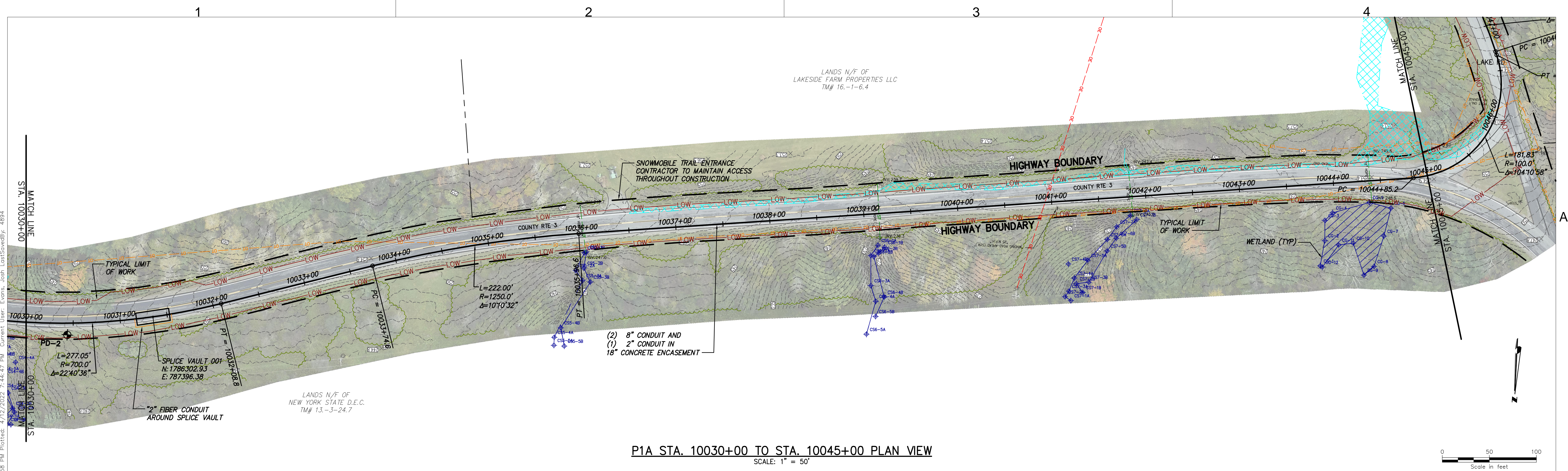
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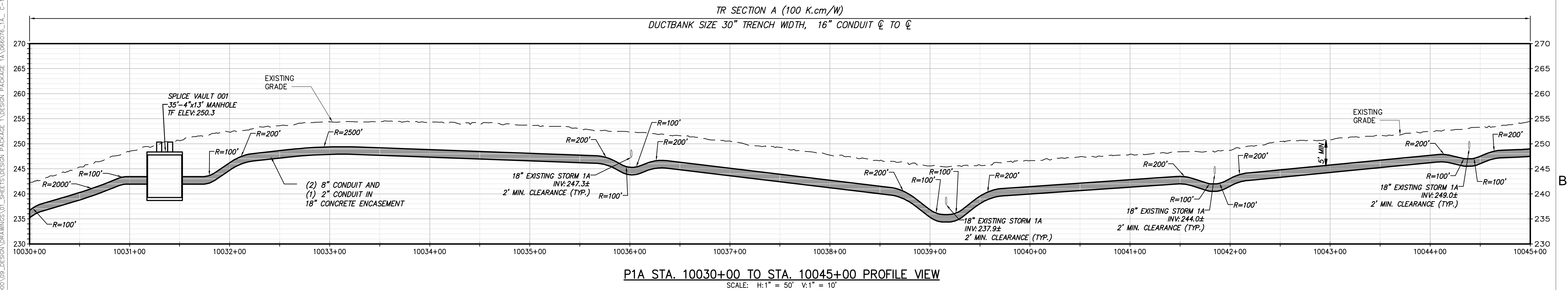










P1A STA. 10030+00 TO STA. 10045+00 PLAN VIEW  
SCALE: 1" = 50'




P1A STA. 10030+00 TO STA. 10045+00 PROFILE VIEW  
SCALE: H:1" = 50' V:1" = 10'



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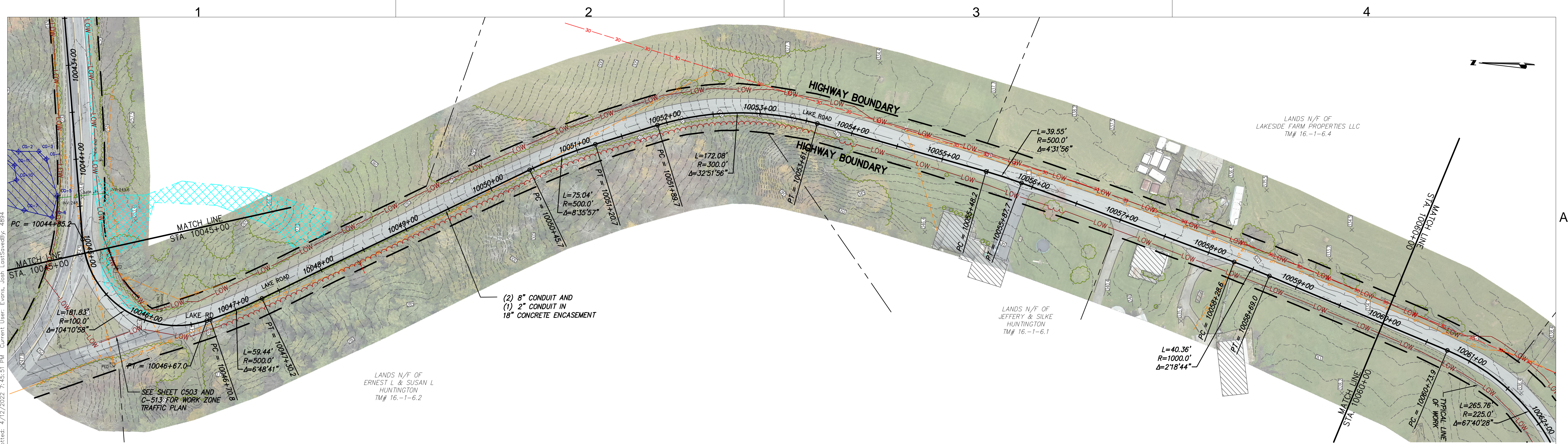
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SEGMENT 1- PUTNAM TO DRESDEN  
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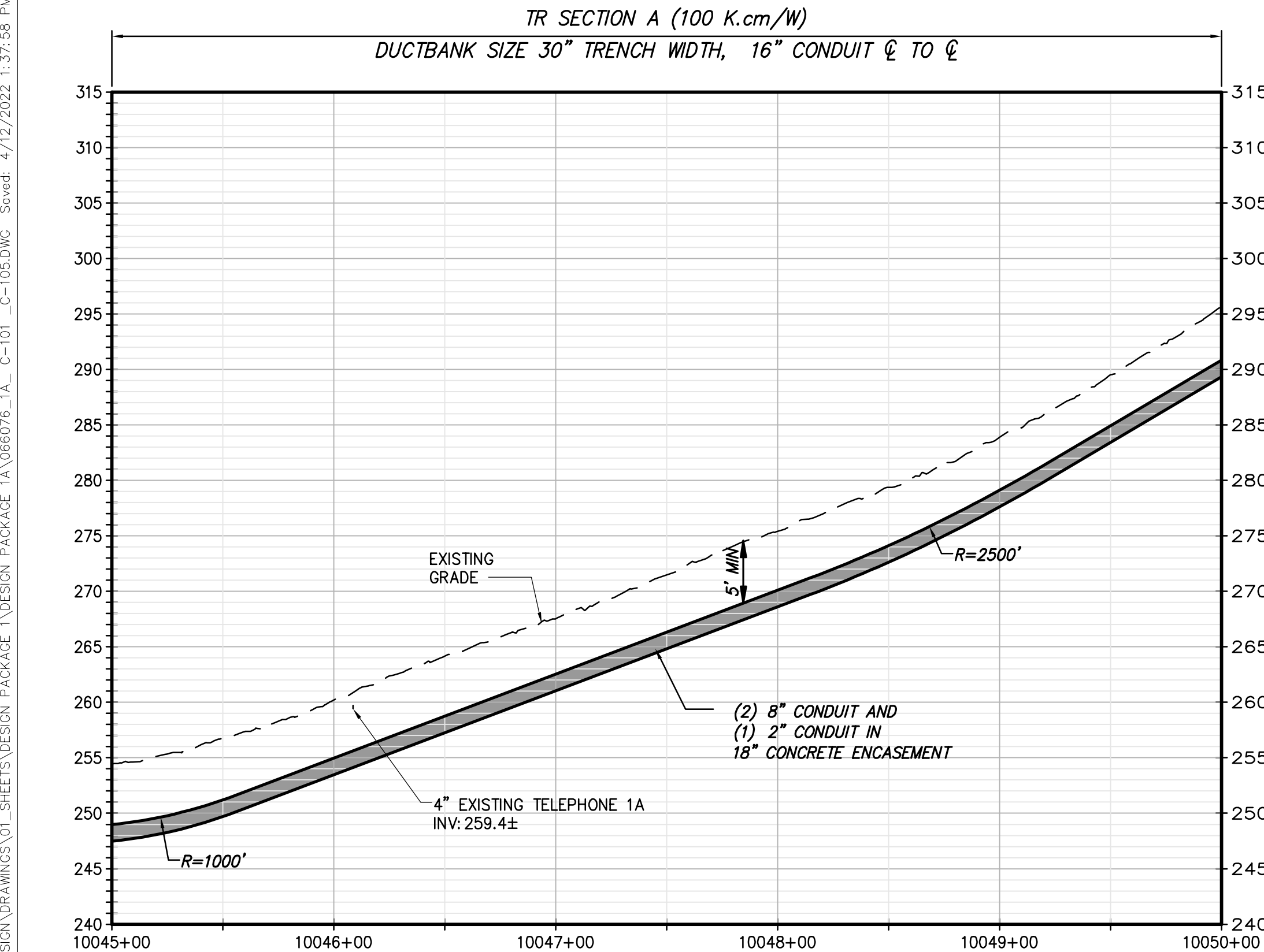
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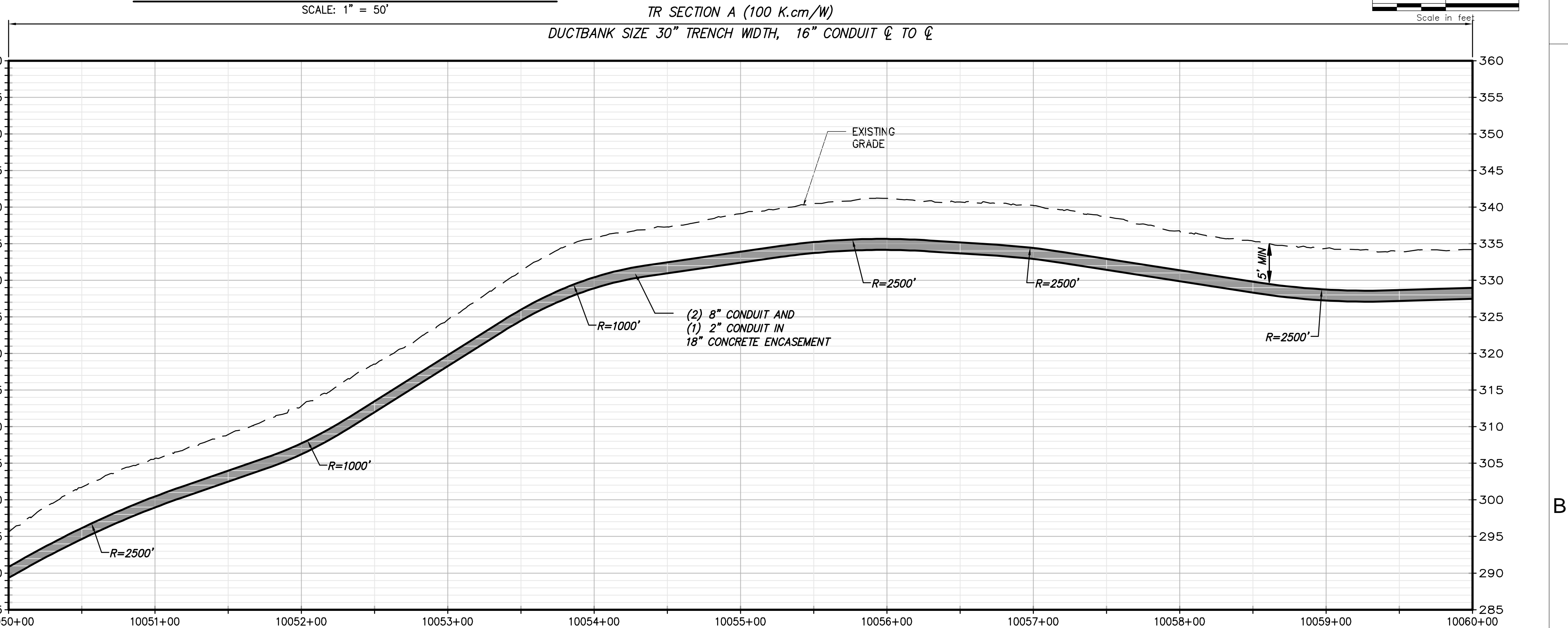
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SCALE: 1" = 50'




STA. 10045+00 TO STA. 10050+00 PROFILE VIEW

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




STA. 10050+00 TO STA. 10060+00 PROFILE VIEW


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



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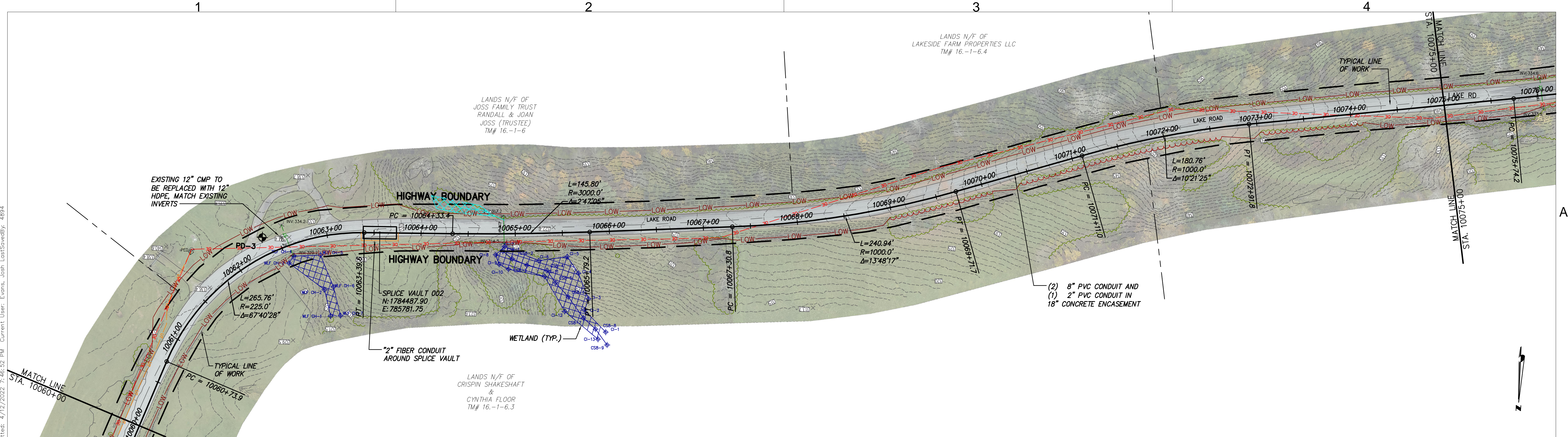
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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP							

CHAMPLAIN HUDSON POWER EXPRESS  
SEGMENT 1- PUTNAM TO DRESDEN  
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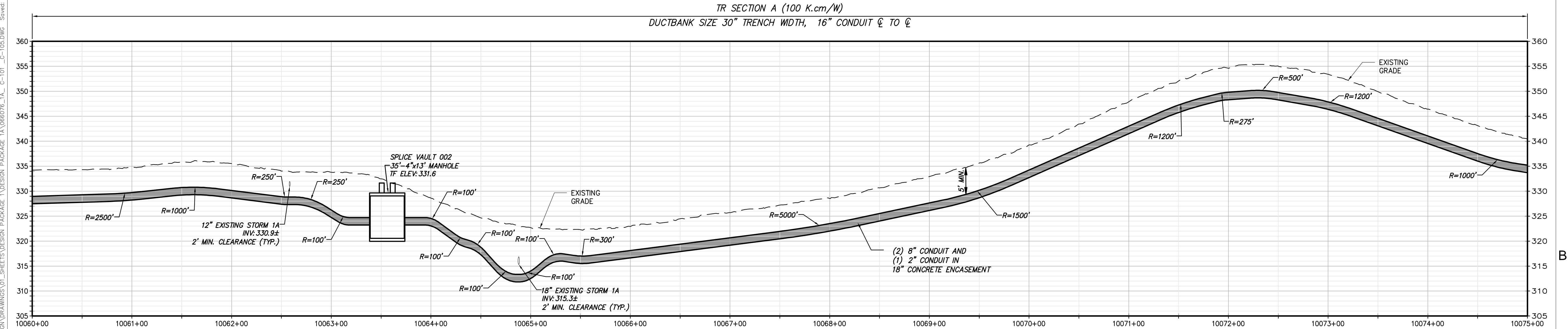
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						REV. NO.	X

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DATE	04/15/2022
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STA. 10060+00 TO STA. 10075+00 PLAN VIEW  
SCALE: 1" = 50'




STA. 10060+00 TO STA. 10075+00 PROFILE VIEW  
SCALE: H:1" = 50' V:1" = 10'



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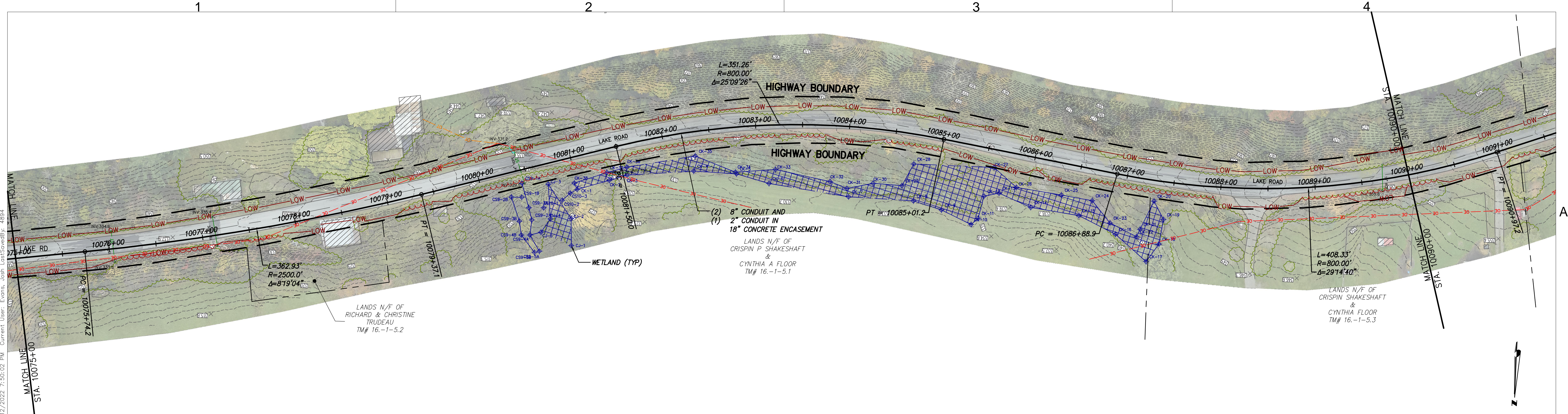
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SEGMENT 1- PUTNAM TO DRESDEN  
STA. 10060+00 TO STA. 10075+00

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DRAWING NO.  
C-105

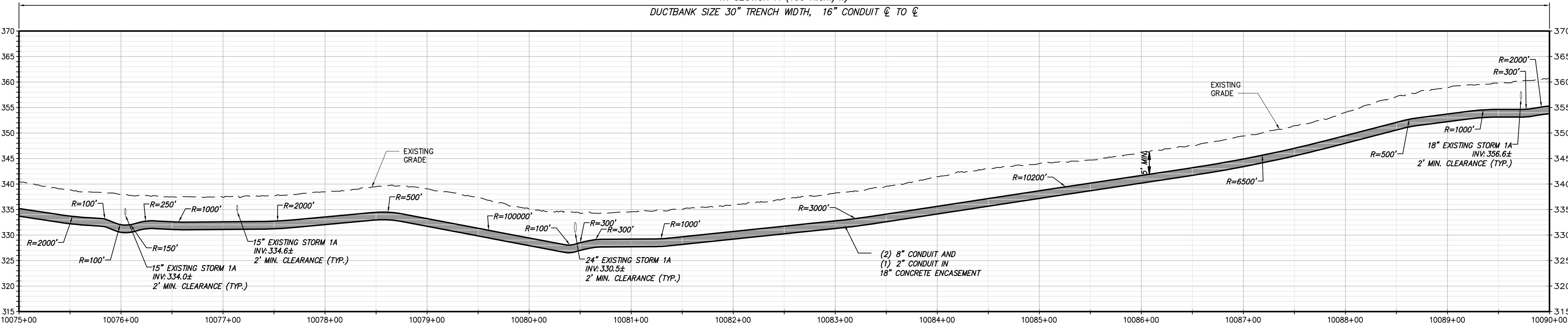
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STA. 10075+00 TO STA. 10090+00 PLAN VIEW  
SCALE: 1" = 50'

TR SECTION A (100 K.cm/W)  
DUCTBANK SIZE 30" TRENCH WIDTH, 16" CONDUIT  $\varnothing$  TO  $\varnothing$



STA. 10075+00 TO STA. 10090+00 PROFILE VIEW  
SCALE: H:1" = 50' V:1" = 10'



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SEGMENT 1 - PUTNAM TO DRESDEN  
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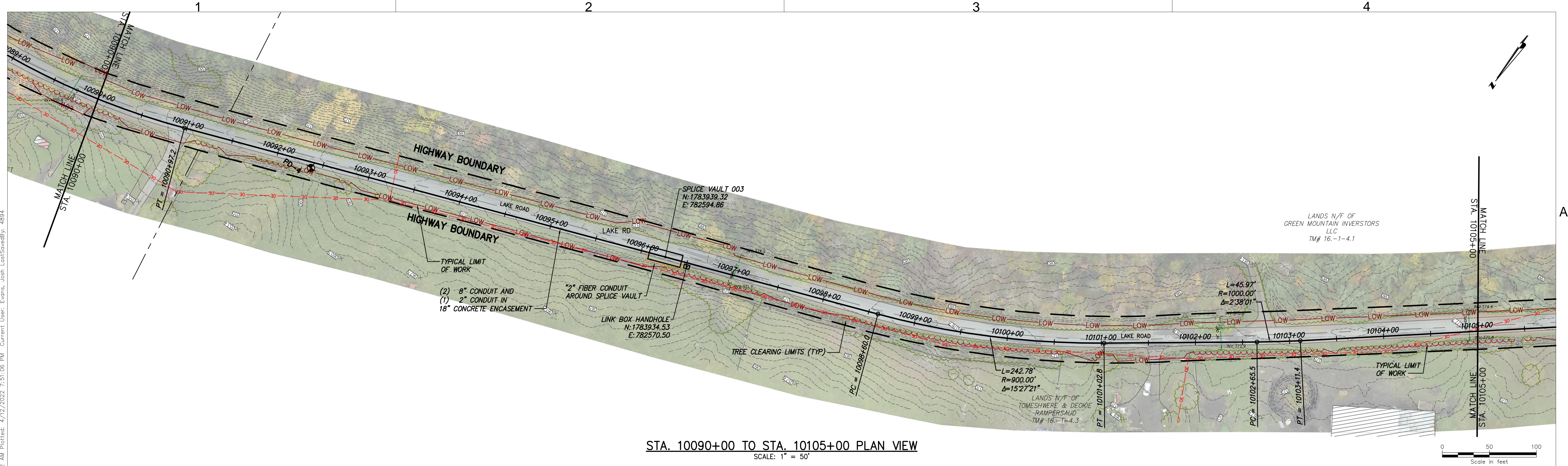
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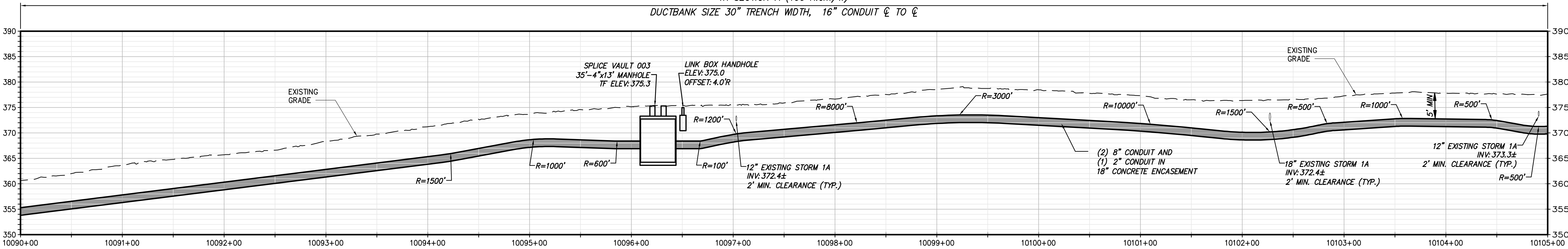
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STA. 10090+00 TO STA. 10105+00 PLAN VIEW  
SCALE: 1" = 50'


TR SECTION A (100 K.cm/W)  
DUCTBANK SIZE 30" TRENCH WIDTH, 16" CONDUIT  $\phi$  TO  $\phi$




STA. 10090+00 TO STA. 10105+00 PROFILE VIEW  
SCALE: H: 1" = 50' V: 1" = 10'



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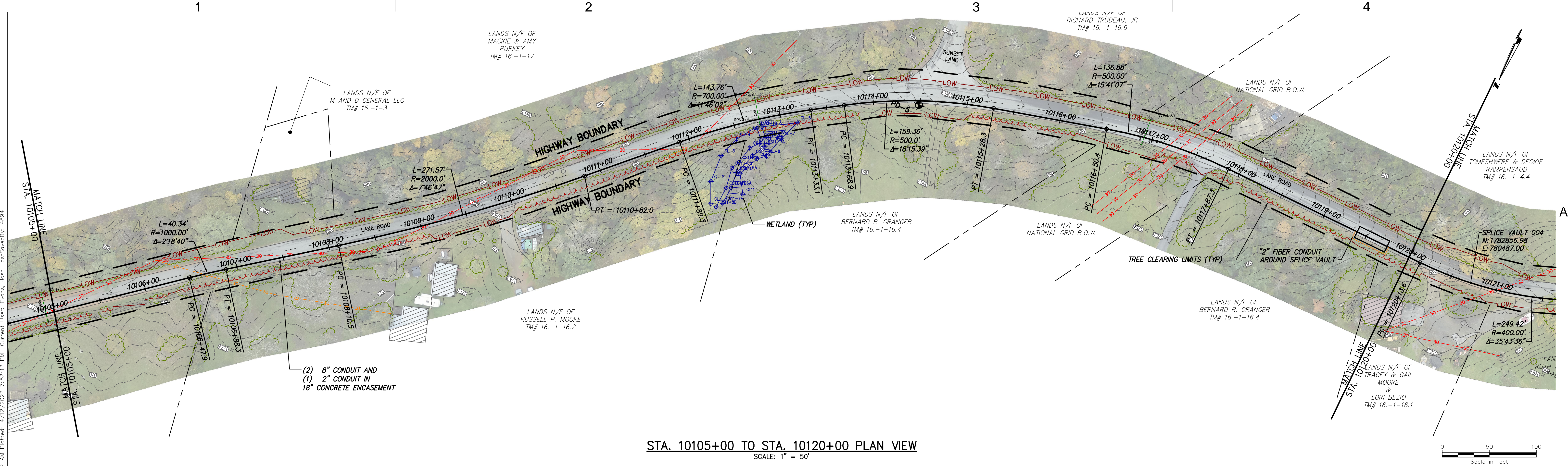
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SEGMENT 1 - PUTNAM TO DRESDEN  
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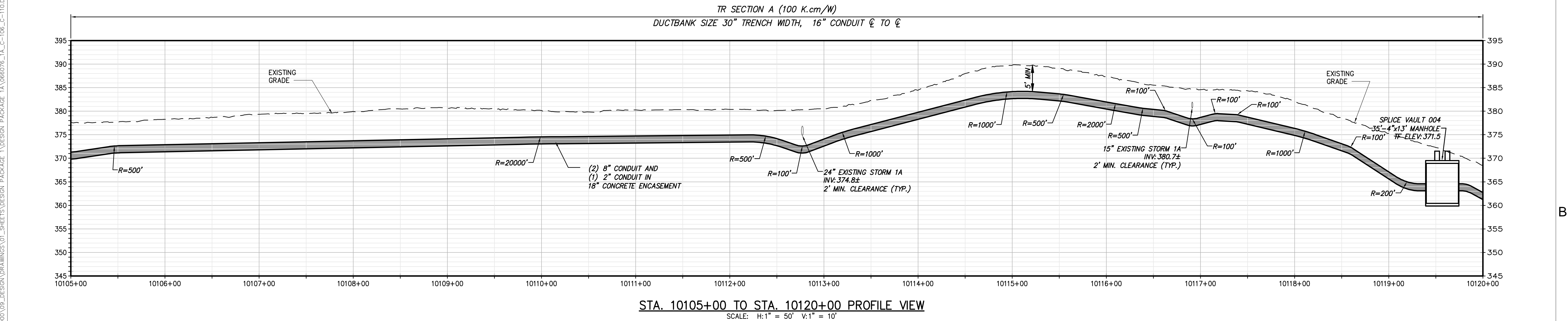
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C-107

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SH.NO. XXX OF XXX








STA. 10105+00 TO STA. 10120+00 PLAN VIEW  
SCALE: 1" = 50'



STA. 10105+00 TO STA. 10120+00 PROFILE VIEW  
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#### SEGMENT 1- PUTNAM TO DRESDEN

STA. 10105+00 TO STA. 10120+00

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