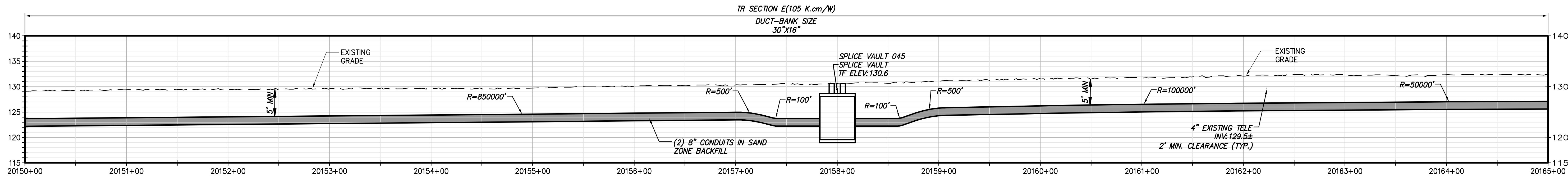
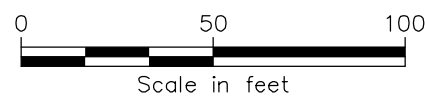


STA. 20150+00 TO STA. 20165+00 PLAN VIEW
SCALE: 1" = 50'



STA. 20150+00 TO STA. 20165+00 PROFILE VIEW
SCALE: H:1" = 50' V:1" = 10'



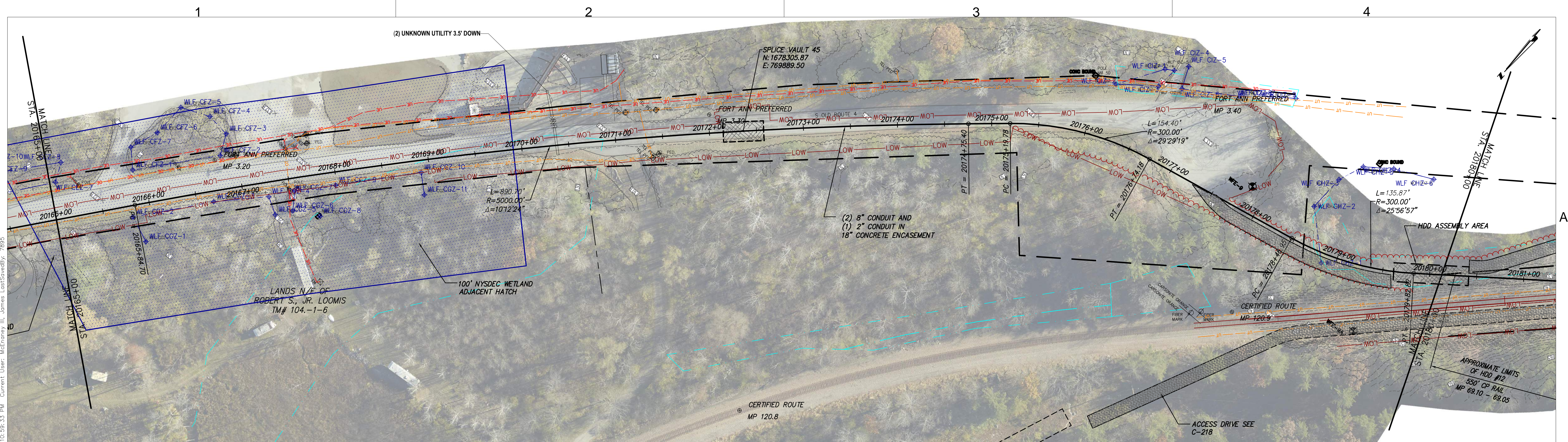
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE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

No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
D	04/28/2022	60% SUBMISSION	JM	JR
C	03/04/2022	PROGRESS SUBMISSION	JM	JR
B	02/23/2022	PROGRESS SUBMISSION	JM	JR
A	01/28/2022	30% SUBMISSION	JM	JR

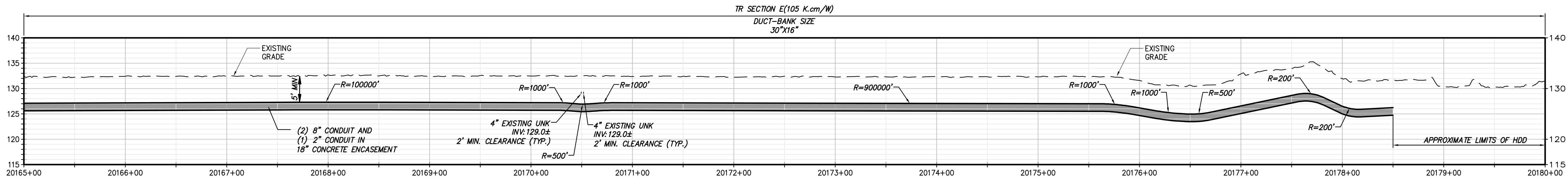
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
STA. 20150+00 TO STA. 20165+00 PLAN AND PROFILE

DRAWN BY: xxx DESIGNED BY: xxx APPROVED BY: xxx SCALE AS NOTED
REV. NO. X SH.NO. XXX OF XXX

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	C-111
DATE	03/04/2022
SH.NO.	XXX OF XXX



STA. 20165+00 TO STA. 20180+00 PLAN VIEW
SCALE: 1" = 50'



STA. 20165+00 TO STA. 20180+00 PROFILE VIEW
SCALE: H:1" = 50' V:1" = 10'



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

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A	01/28/2022	30% SUBMISSION	JM	JR

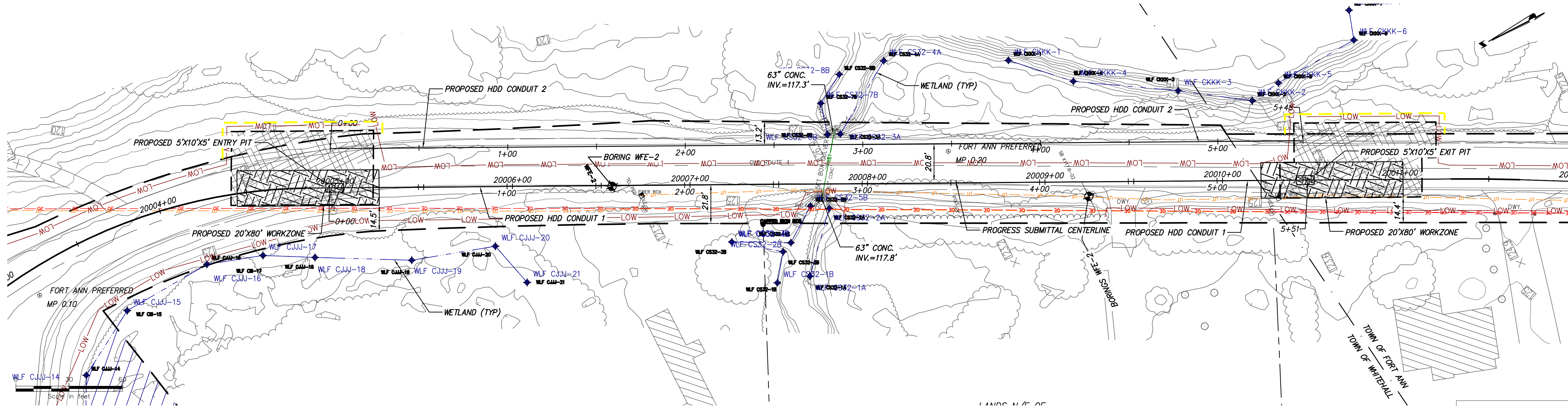
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
STA. 20165+00 TO STA. 20180+00 PLAN AND PROFILE

DRAWN BY: xxx DESIGNED BY: xxx APPROVED BY: xxx SCALE AS NOTED
REV. NO. X SH.NO. 03/04/2022
XXX OF XXX

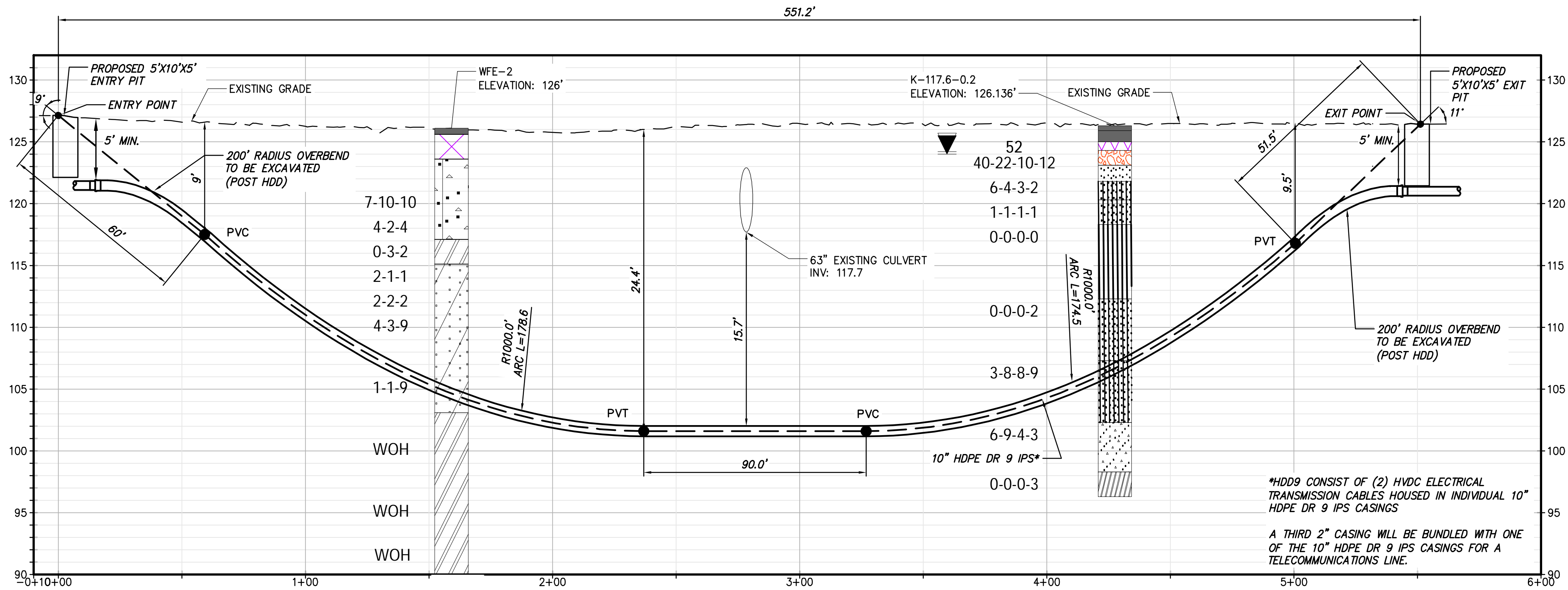
KIEWIT PROJECT NO.
21162
CHA PROJECT NO.
066076
DRAWING NO.

C-112

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PROPOSED HDD 9 PLAN VIEW
CONDUIT 1



PROPOSED HDD 9 PROFILE VIEW
CONDUIT 1

Legend		
	ASPHALT	Asphalt
	CH	Fat CLAY
	CL	Lean CLAY
	CL-ML	SILTY CLAY
	CONCRETE	Concrete
	Fill	Fill
	GC	CLAYEY GRAVEL
	GM	SILTY GRAVEL
	Gneiss	Undefined
	GP	Poorly Graded GRAVEL
	GW	Well Graded GRAVEL
	ML	SILT
	OL	ORGANIC Lean CLAY
	OL/OH	ORGANIC SOIL
	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



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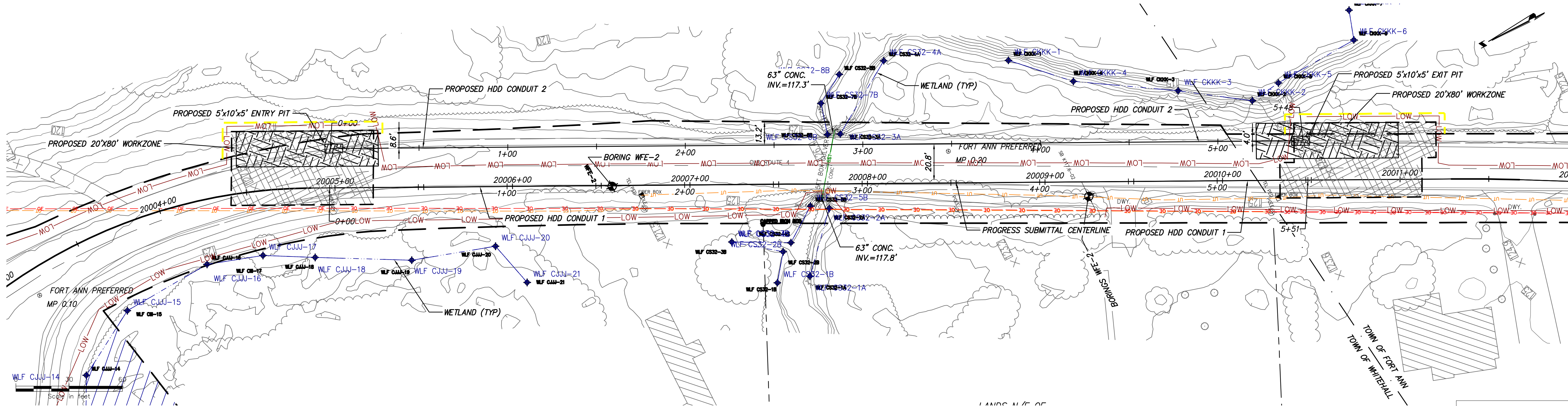
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B	02/23/2022	PROGRESS SUBMISSION	JM	JR
A	01/28/2022	30% SUBMISSION	JM	JR

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PROPOSED PLAN AND PROFILE - HDD 9
CULVERT CROSSING, CONDUIT 1
WHITEHALL, WASHINGTON COUNTY, NY

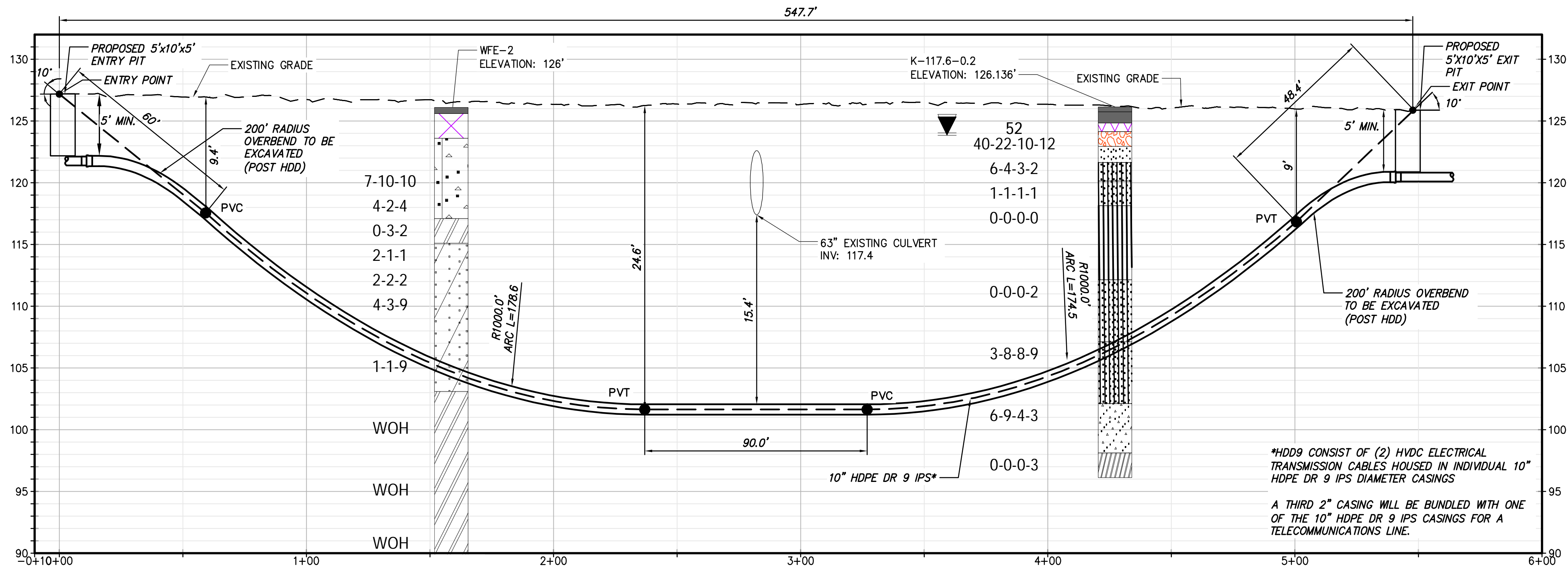
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KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	C-301

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PROPOSED HDD 9 PLAN VIEW
CONDUIT 2



PROPOSED HDD 9 PROFILE VIEW
CONDUIT 2

Legend	
ASPHALT	Asphalt
CH	Fat CLAY
CL	Lean CLAY
CL-ML	SILTY CLAY
CONCRETE	Concrete
Fill	Fill
GC	CLAYEY GRAVEL
GM	SILTY GRAVEL
Gneiss	Undefined
GP	Poorly Graded GRAVEL
GW	Well Graded GRAVEL
ML	SILT
OL	ORGANIC Lean CLAY
OL/OH	ORGANIC SOIL
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



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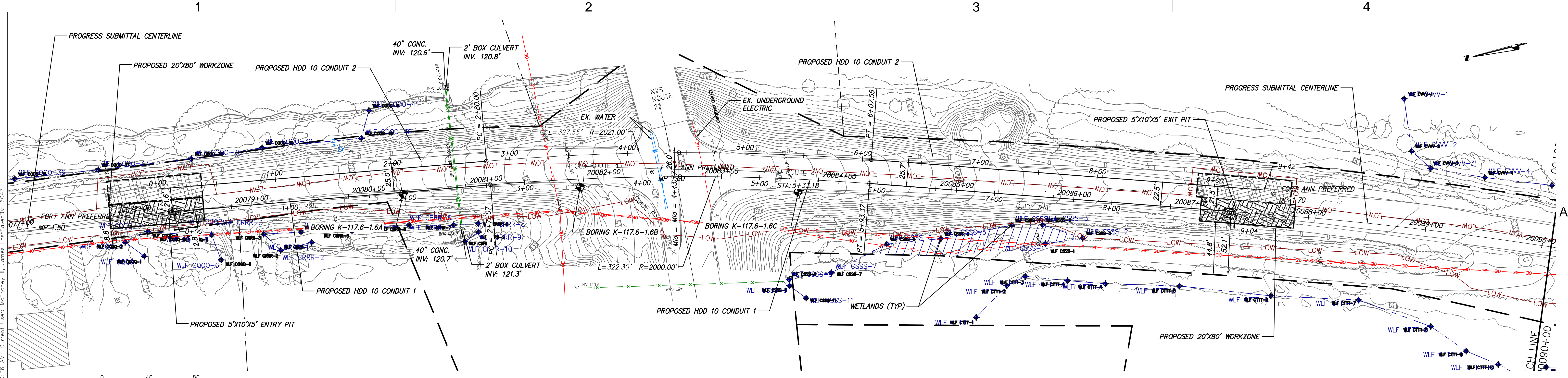
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C	03/04/2022	PROGRESS SUBMISSION	JM	JR
B	02/23/2022	PROGRESS SUBMISSION	JM	JR
A	01/28/2022	30% SUBMISSION	JM	JR

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PROPOSED PLAN AND PROFILE - HDD 9
CULVERT CROSSING, CONDUIT 2
WHITEHALL, WASHINGTON COUNTY, NY

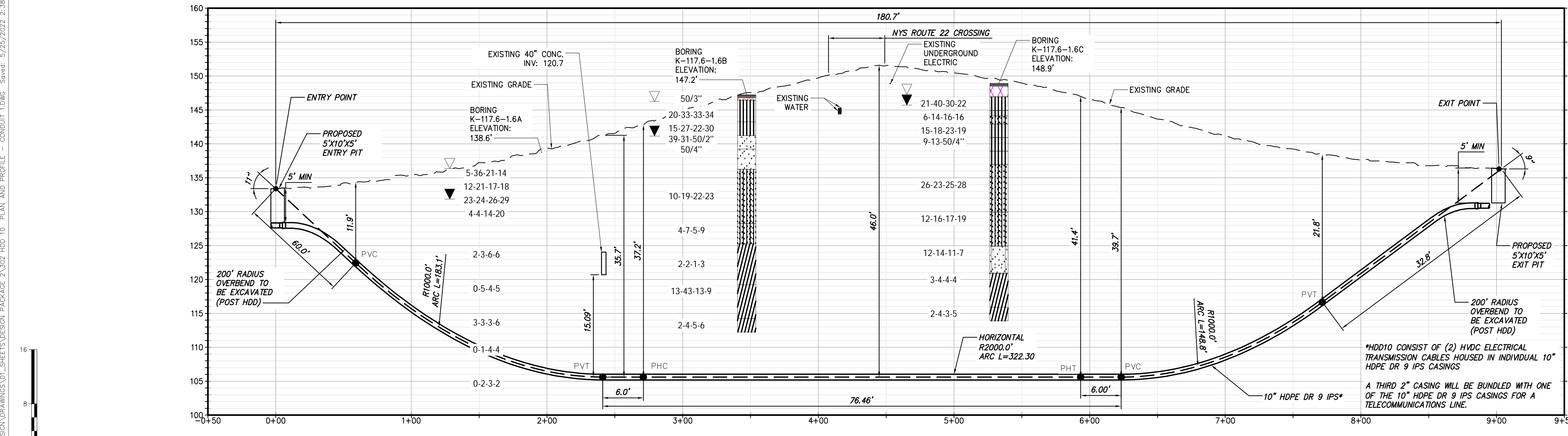
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REV. NO. X SH. NO. XXX OF XXX

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CHA PROJECT NO.	066076
DRAWING NO.	C-301A

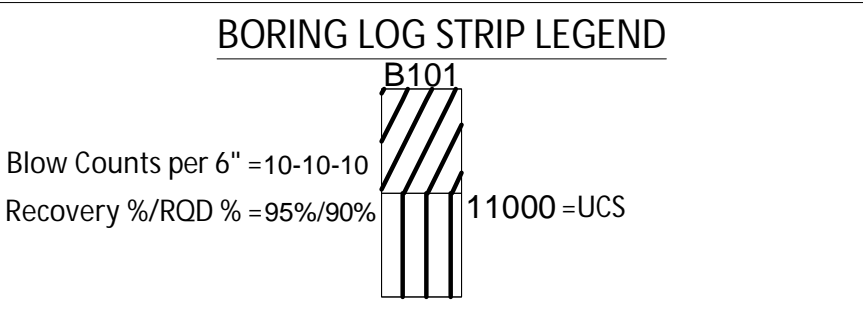
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PROPOSED HDD 10 PLAN VIEW
CONDUIT 1



PROPOSED HDD 10 PROFILE VIEW
CONDUIT 1



Legend		
	ASPHALT	Asphalt
	CH	Fat CLAY
	CL	Lean CLAY
	CL-ML	SILTY CLAY
	CONCRETE	Concrete
	FILL	Fill
	GC	CLAYEY GRAVEL
	GM	SILTY GRAVEL
	Gneiss	Undefined
	GP	Poorly Graded GRAVEL
	GW	Well Graded GRAVEL
	ML	SILT
	OL	ORGANIC Lean CLAY
	OL/OH	ORGANIC SOIL
	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



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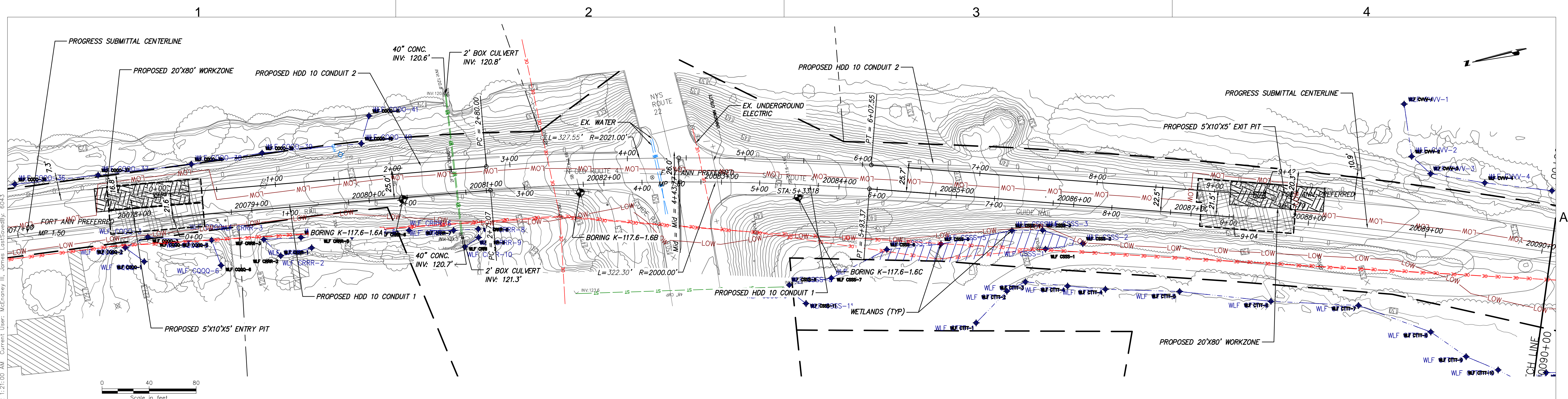
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C	03/04/2022	PROGRESS SUBMISSION	JM	JR
B	02/23/2022	PROGRESS SUBMISSION	JM	JR
A	01/28/2022	30% SUBMISSION	JM	JR
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PROPOSED PLAN AND PROFILE - HDD 10
SR 22 CROSSING, CONDUIT 1
FORT ANN, WASHINGTON COUNTY, NY

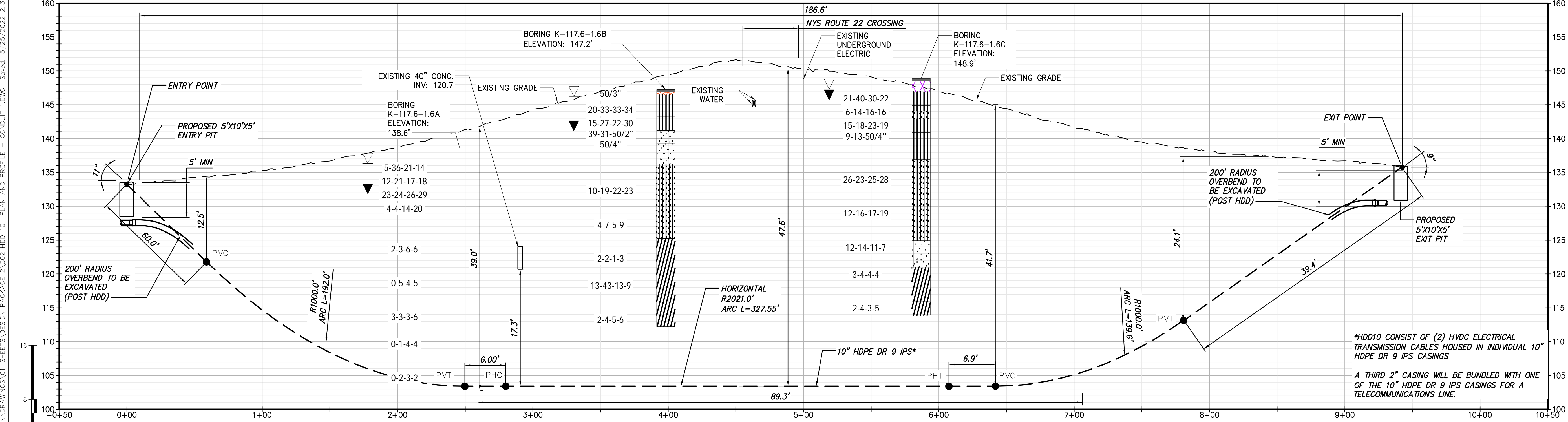
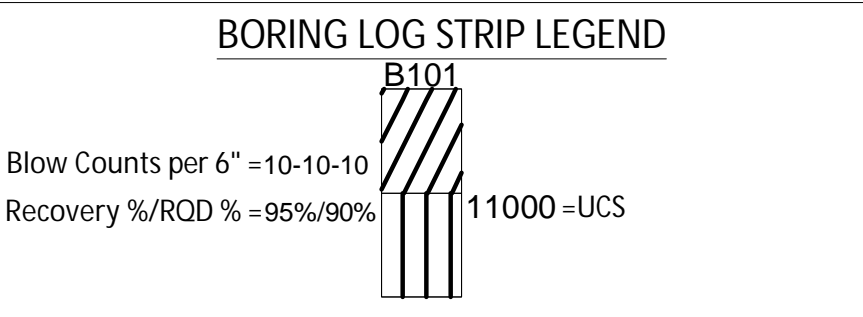
KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	068076
DRAWING NO.	C-302
DATE	03/04/2022
SH.NO.	XXX OF XXX

DRAWN BY: MCS DESIGNED BY: MCS APPROVED BY: JEO SCALE AS NOTED REV. NO. X

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PROPOSED HDD 10 PLAN VIEW
CONDUIT 2



PROPOSED HDD 10 PROFILE VIEW
CONDUIT 2

Legend		
	ASPHALT	Asphalt
	CH	Fat CLAY
	CL	Lean CLAY
	CL-ML	SILTY CLAY
	CONCRETE	Concrete
	FILL	FILL
	GC	CLAYEY GRAVEL
	GM	SILTY GRAVEL
	Gneiss	Undefined
	GP	Poorly Graded GRAVEL
	GW	Well Graded GRAVEL
	ML	SILT
	DL	ORGANIC Lean CLAY
	DL/OH	ORGANIC SOIL
	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



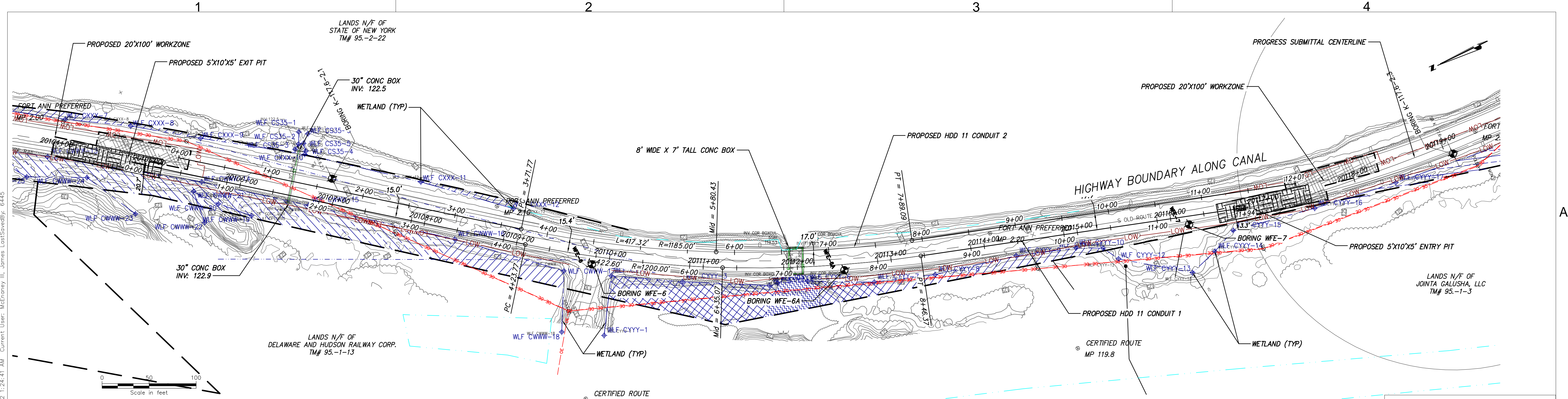
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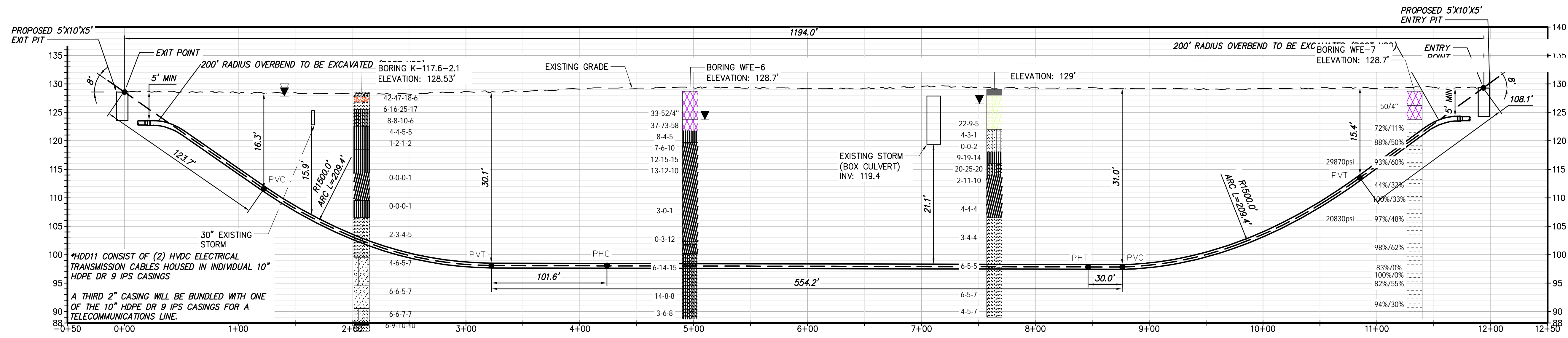
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PROPOSED PLAN AND PROFILE - HDD 10
SR 22 CROSSING, CONDUIT 2
FORT ANN, WASHINGTON COUNTY, NY

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	C-302A
DATE	03/04/2022
SH.NO.	XXX OF XXX

DRAWN BY: MCS DESIGNED BY: MCS APPROVED BY: JEO SCALE AS NOTED REV. NO. X






PROPOSED HDD 11 PLAN VIEW
CONDUIT 1



PROPOSED HDD 11 PROFILE VIEW
CONDUIT 1

Legend		
	ASPHALT	Asphalt
	CH	Fat CLAY
	CL	Lean CLAY
	CL-ML	SILTY CLAY
	CONCRETE	Concrete
	FILL	Fill
	GC	CLAYEY GRAVEL
	GM	SILTY GRAVEL
	Gneiss	Undefined
	GP	Poorly Graded GRAVEL
	GW	Well Graded GRAVEL
	ML	SILT
	OL	ORGANIC Lean CLAY
	OL/DH	ORGANIC SOIL
	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

BORING LOG STRIP LEGEND	
	B101
Blow Counts per 6" = 10-10-10	
Recovery %/ROD % = 95%/90%	
	11000 = UCS



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

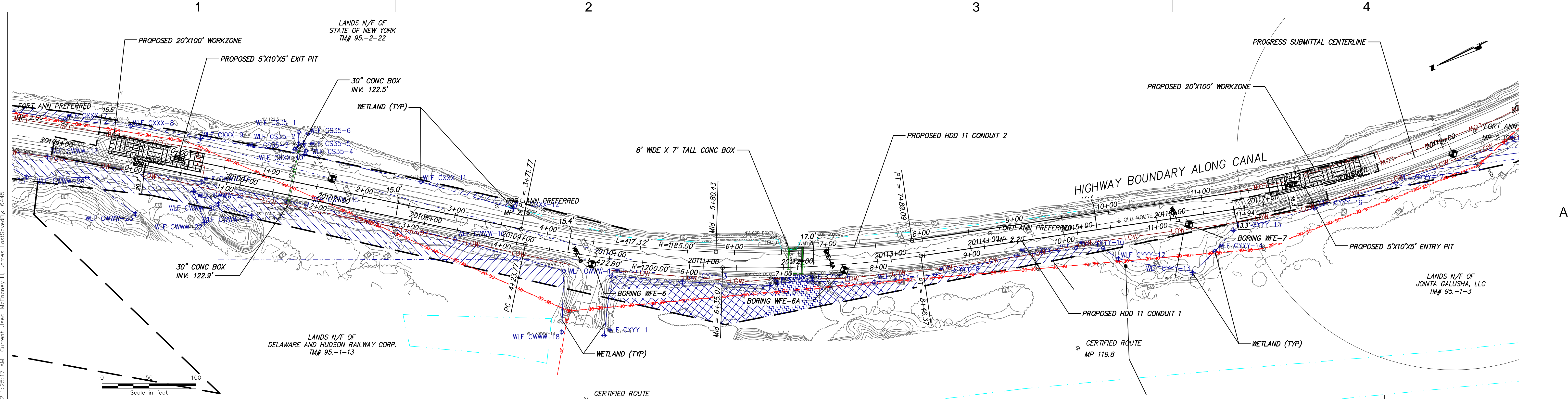
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A	01/28/2022	30% SUBMISSION	JM	JR
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP

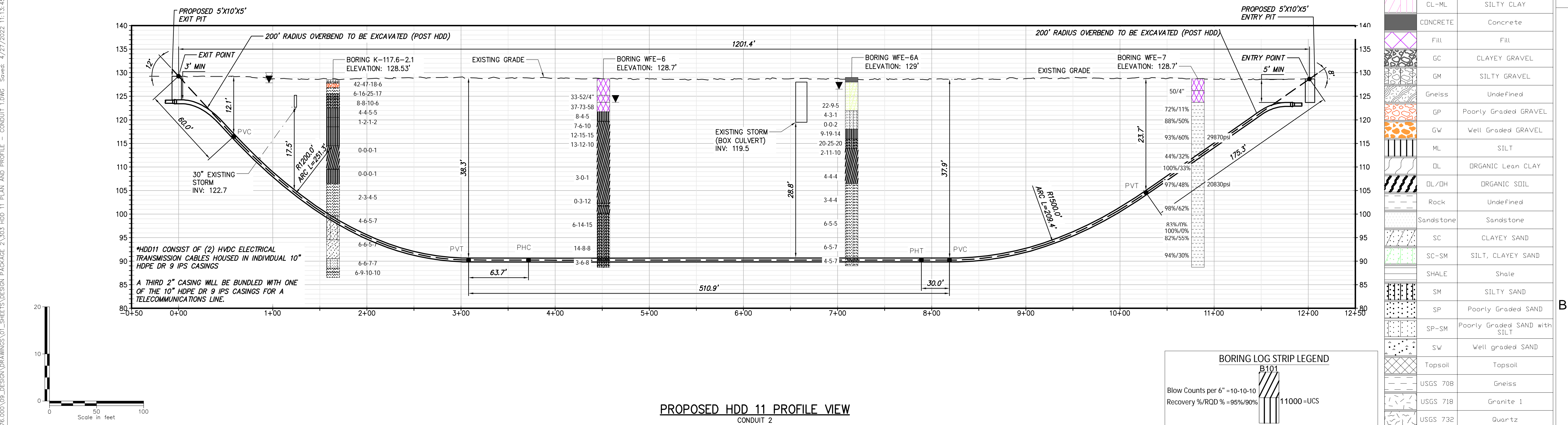
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PROPOSED PLAN AND PROFILE - HDD11
BOX CULVERT CROSSING, CONDUIT 1
FORT ANN, WASHINGTON COUNTY, NY

DRAWN BY: MCS DESIGNED BY: MB APPROVED BY: JEO SCALE AS NOTED
REV. NO. X SH.NO.

KIEWIT PROJECT NO. 21162	
CHA PROJECT NO. 068076	
DRAWING NO. C-303	
DATE 03/04/2022	XXX OF XXX



PROPOSED HDD 11 PLAN VIEW
CONDUIT 2



PROPOSED HDD 11 PROFILE VIEW
CONDUIT 2

Legend		
	ASPHALT	Asphalt
	CH	Fat CLAY
	CL	Lean CLAY
	CL-ML	SILTY CLAY
	CONCRETE	Concrete
	FILL	Fill
	GC	CLAYEY GRAVEL
	GM	SILTY GRAVEL
	Gneiss	Undefined
	GP	Poorly Graded GRAVEL
	GW	Well Graded GRAVEL
	ML	SILT
	OL	ORGANIC Lean CLAY
	OL/DH	ORGANIC SOIL
	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



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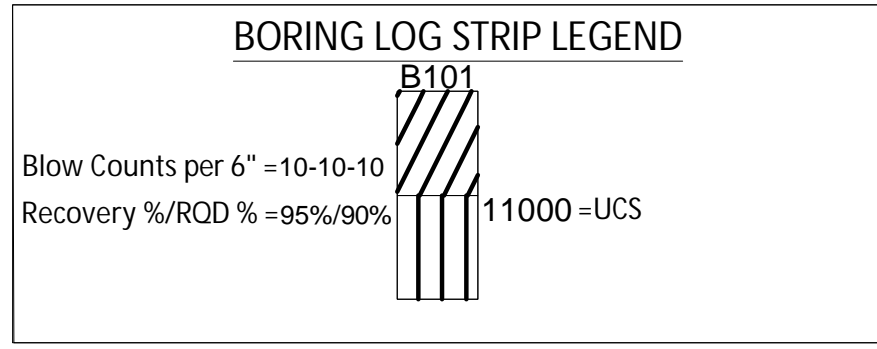
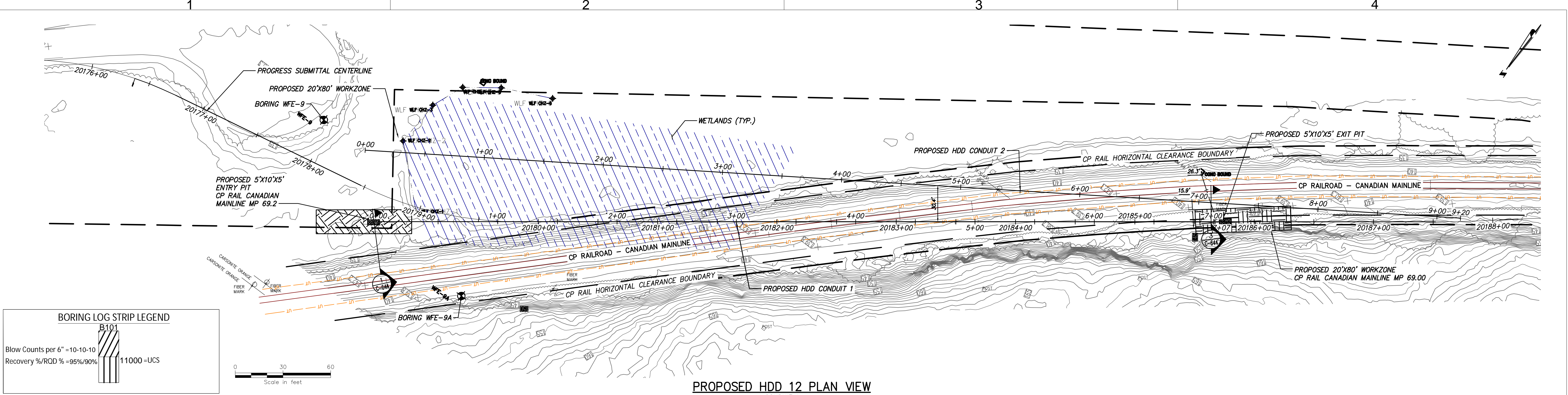
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B	02/23/2022	PROGRESS SUBMISSION	JM	JR
A	01/28/2022	30% SUBMISSION	JM	JR

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PROPOSED PLAN AND PROFILE - HDD11
BOX CULVERT CROSSING, CONDUIT 2
FORT ANN, WASHINGTON COUNTY, NY

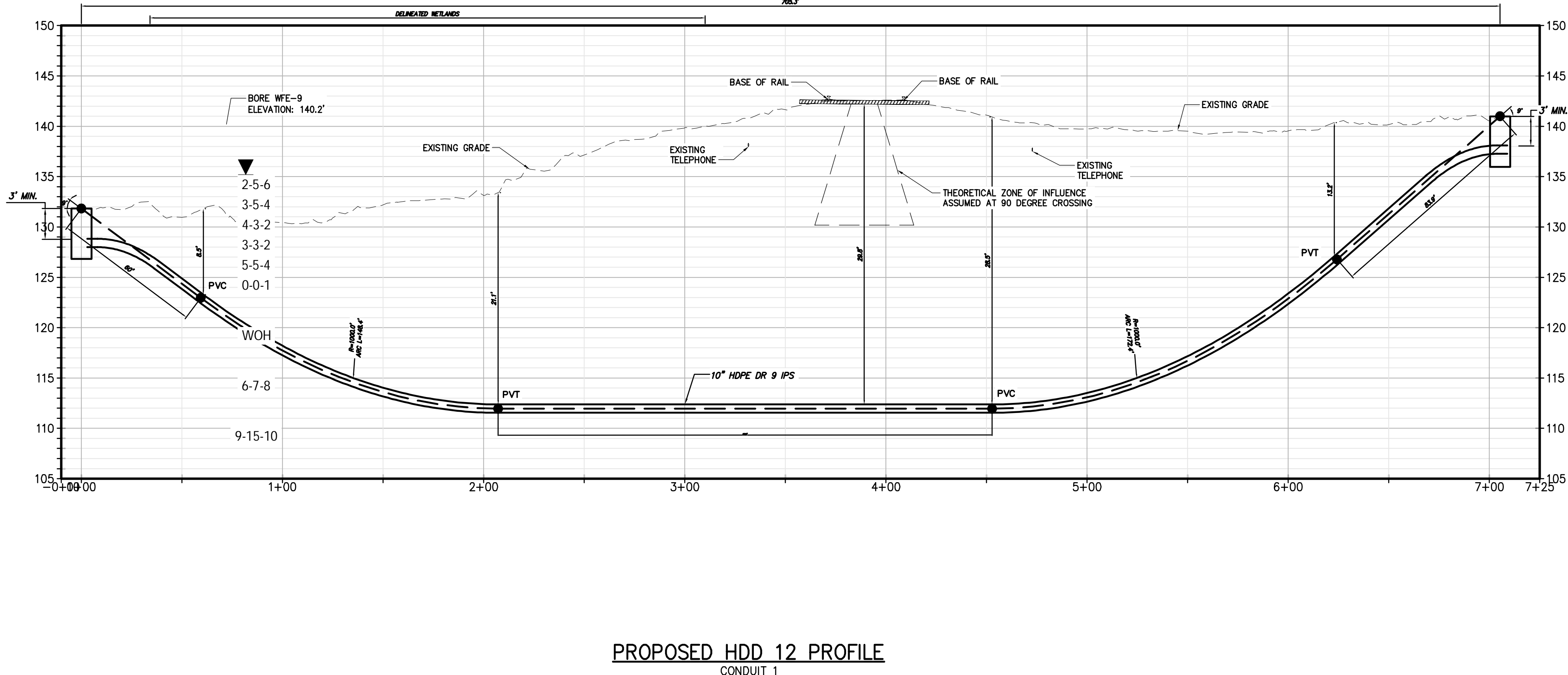
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DRAWING NO.	C-303A
DATE	03/04/2022
SH.NO.	XXX OF XXX

DRAWN BY: MCS DESIGNED BY: MB APPROVED BY: JEO SCALE AS NOTED REV. NO. X

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Legend		
	ASPHALT	Asphalt
	CH	Fat CLAY
	CL	Lean CLAY
	CL-ML	SILTY CLAY
	CONCRETE	Concrete
	FILL	Fill
	GC	CLAYEY GRAVEL
	GM	SILTY GRAVEL
	Gneiss	Undefined
	GP	Poorly Graded GRAVEL
	GW	Well Graded GRAVEL
	ML	SILT
	OL	ORGANIC Lean CLAY
	OL/OH	ORGANIC SOIL
	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



*HDD12 CONSIST OF (2) HVDC ELECTRICAL TRANSMISSION CABLES HOUSED IN INDIVIDUAL 10" DIAMETER CASINGS

A THIRD 2" CASING WILL BE BUNDLED WITH ONE OF THE 10" CASINGS FOR A TELECOMMUNICATIONS LINE.



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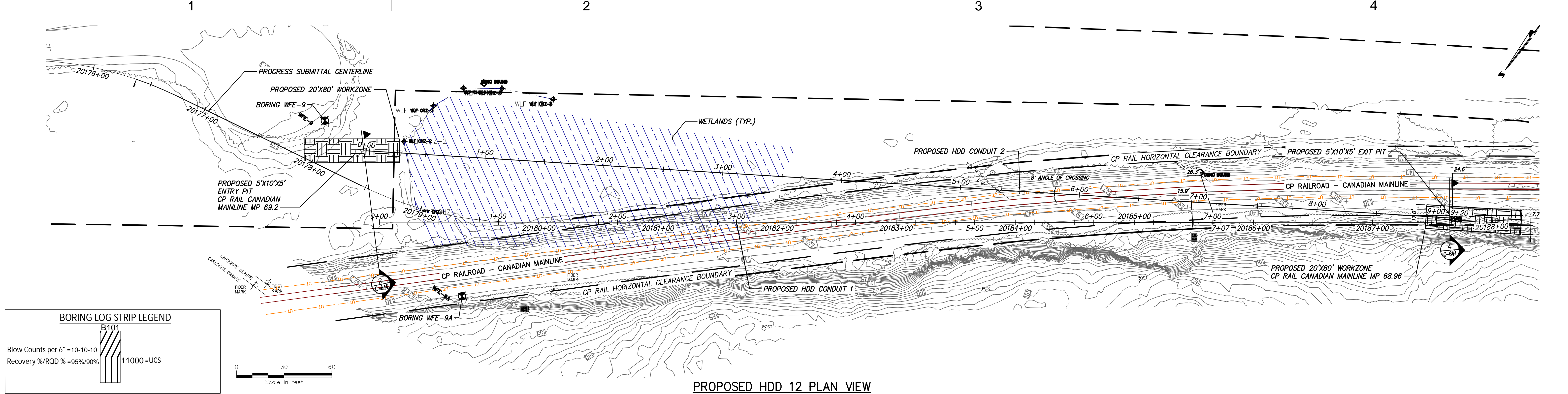
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
D	04/28/2022	60% SUBMISSION	JM	JR
C	03/04/2022	PROGRESS SUBMISSION	JM	JR
B	02/23/2022	PROGRESS SUBMISSION	JM	JR
A	01/28/2022	30% SUBMISSION	JM	JR

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PROPOSED PLAN AND PROFILE - HDD 12
CP RAILROAD CROSSING, CONDUIT 1
FORT ANN, WASHINGTON COUNTY, NY

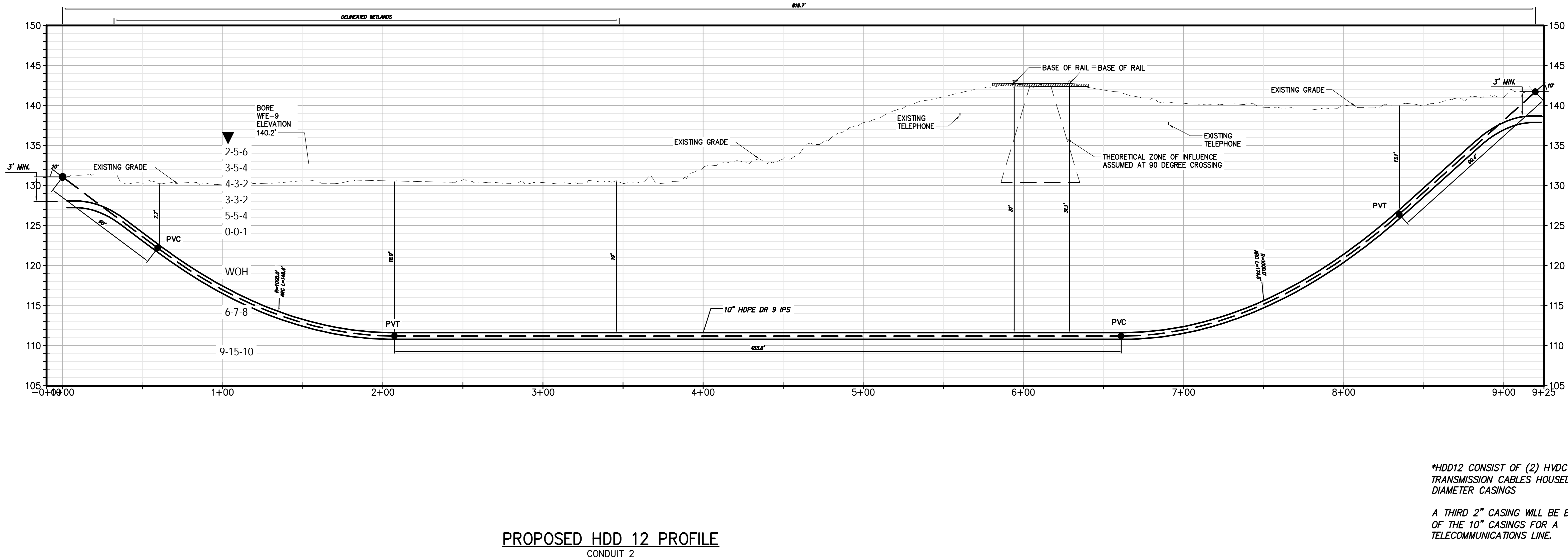
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KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	C-304
DATE	03/04/2022
SH.NO.	XXX OF XXX

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Legend		
	ASPHALT	Asphalt
	CH	Fat CLAY
	CL	Lean CLAY
	CL-ML	SILTY CLAY
	CONCRETE	Concrete
	FILL	Fill
	GC	CLAYEY GRAVEL
	GM	SILTY GRAVEL
	Gneiss	Undefined
	GP	Poorly Graded GRAVEL
	GW	Well Graded GRAVEL
	ML	SILT
	OL	ORGANIC Lean CLAY
	OL/OH	ORGANIC SOIL
	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



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CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PROPOSED PLAN AND PROFILE - HDD 12
CP RAILROAD CROSSING, CONDUIT 2
FORT ANN, WASHINGTON COUNTY, NY

DRAWN BY:	SK	DESIGNED BY:	SK	APPROVED BY:	JEO	SCALE	AS NOTED	DATE	03/04/2022
						REV. NO.	X	SH.NO.	XXX OF XXX

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	C-304A
DATE	03/04/2022
SH.NO.	XXX OF XXX



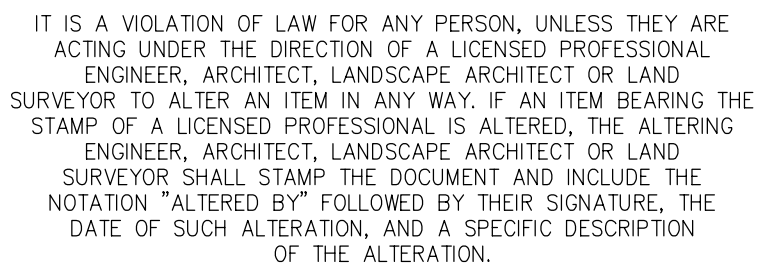
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NOT TO SCALE



3 OPEN TRENCH (36" WIDTH, 22" CENTER TO CENTER SPACING)
NOT TO SCALE



4 OPEN TRENCH (42" WIDTH, 28" CENTER TO CENTER SPACING)
NOT TO SCALE

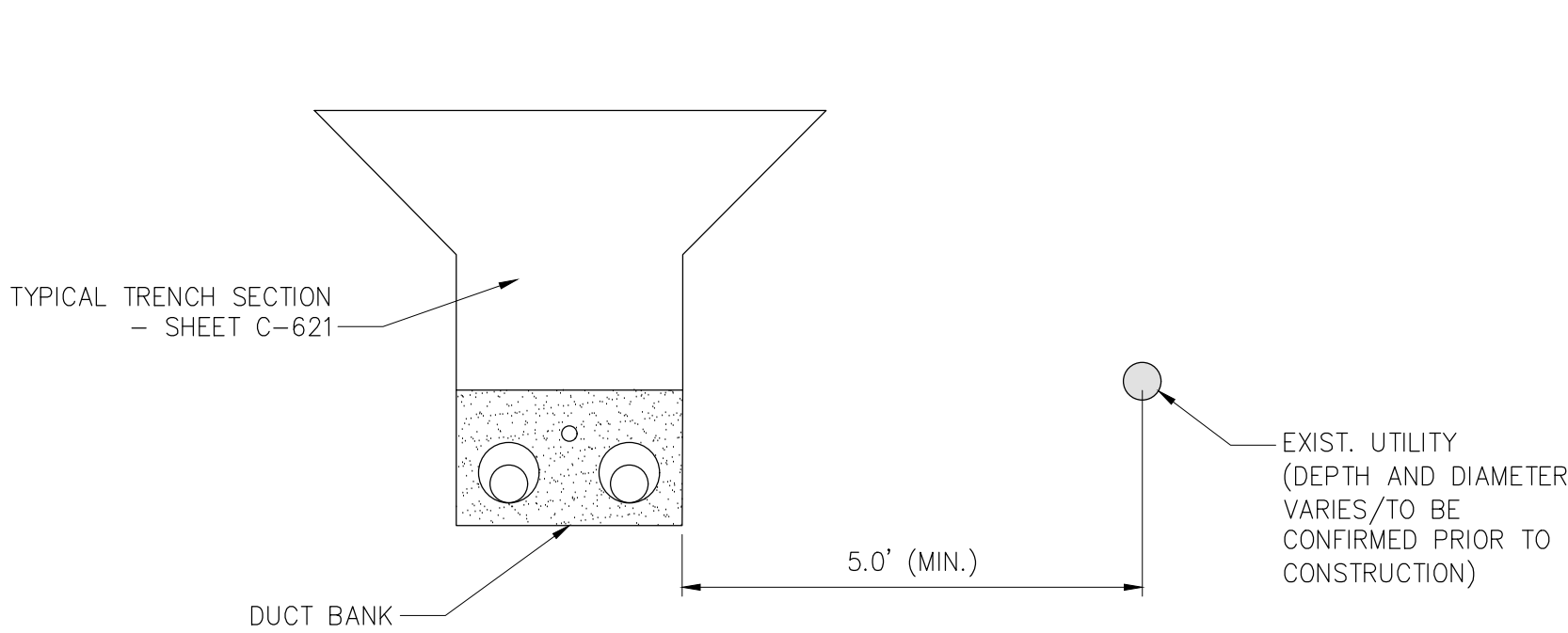


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C	03/04/2022	PROGRESS SUBMISSION	JM	JR
B	02/23/2022	PROGRESS SUBMISSION	JM	JR
A	01/26/2022	30% SUBMISSION	JM	JR
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP

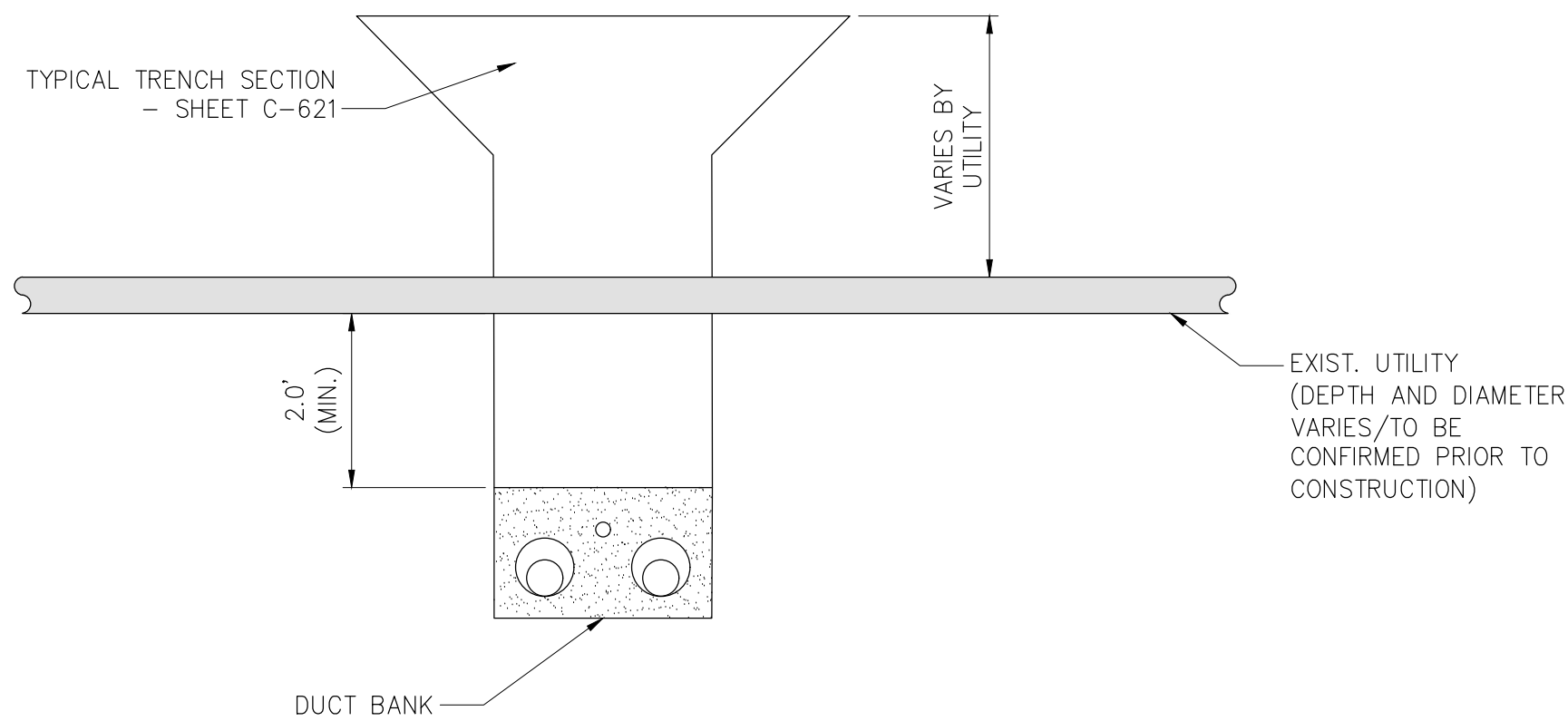
DRAWN BY: xxx	DESIGNED BY: xxx	APPROVED BY: xxx	SCALE AS NOTED	DATE 03/04/2022
			REV. NO. x	SH.NO. xxx OF xxx

KIEWIT PROJECT NO.	
21162	
CHA PROJECT NO.	
066076	
DRAWING NO.	
C-621	
DATE	03/04/2022
SH.NO.	XXX OF XXX

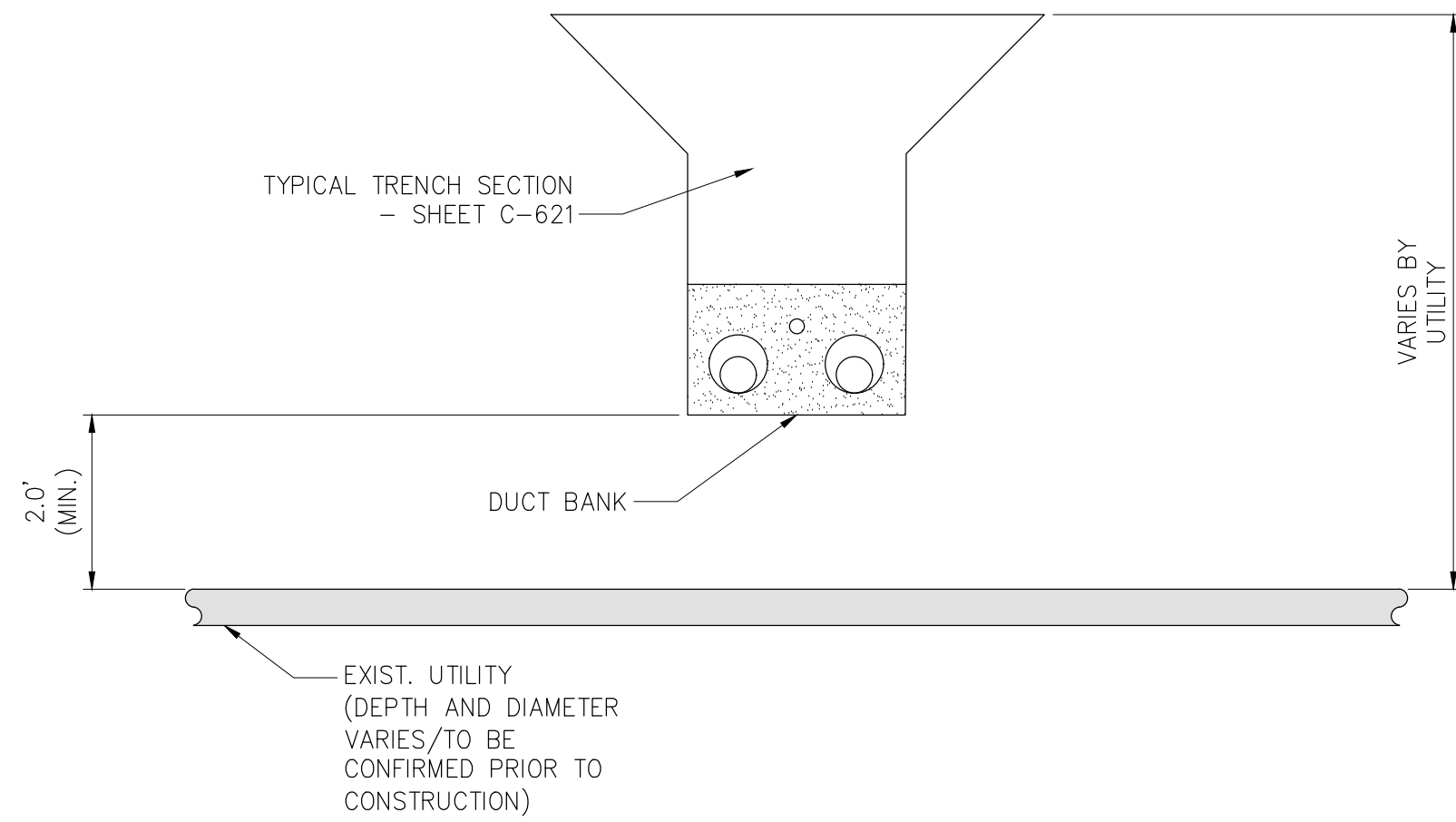
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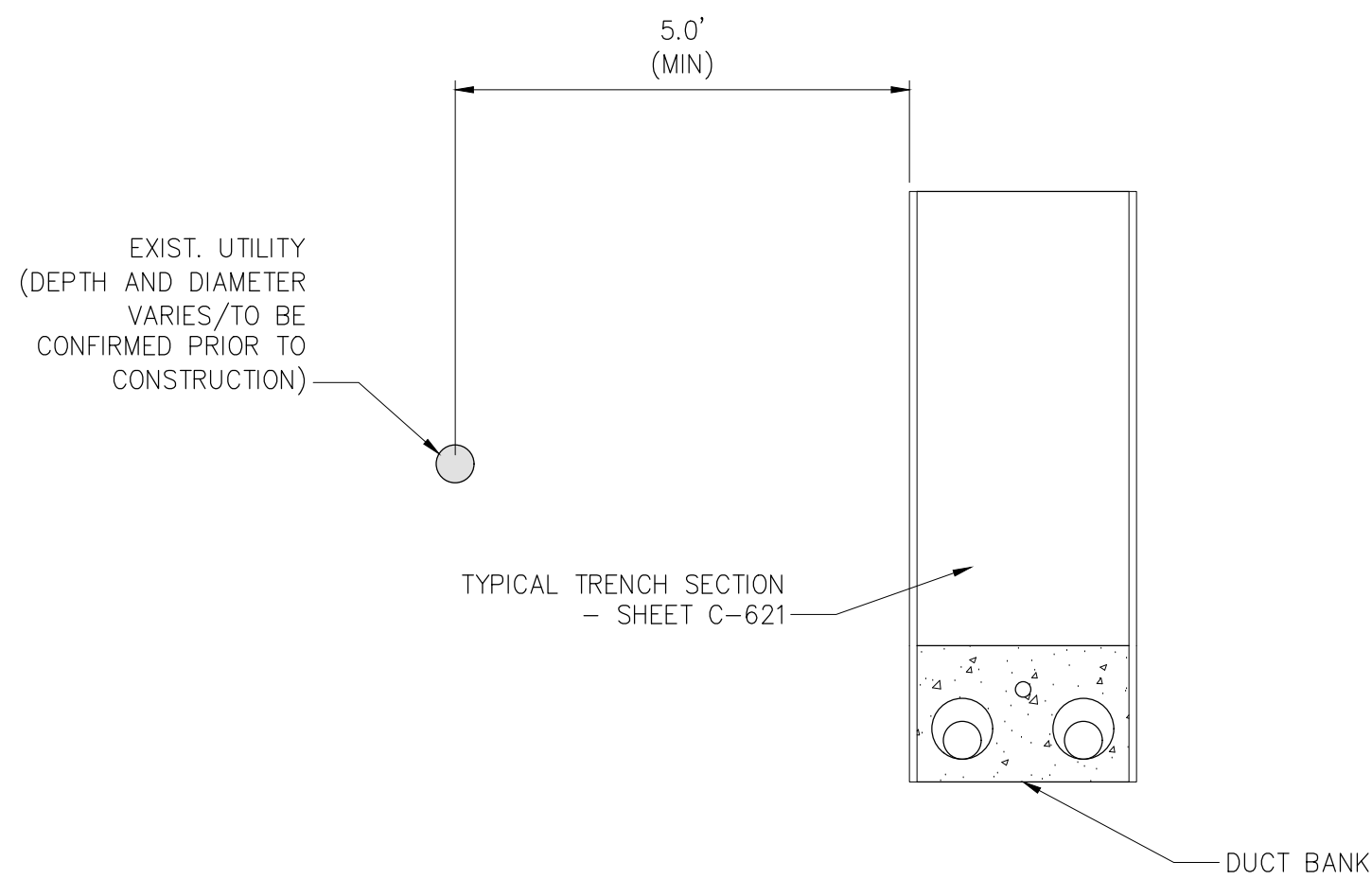
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NOT TO SCALE



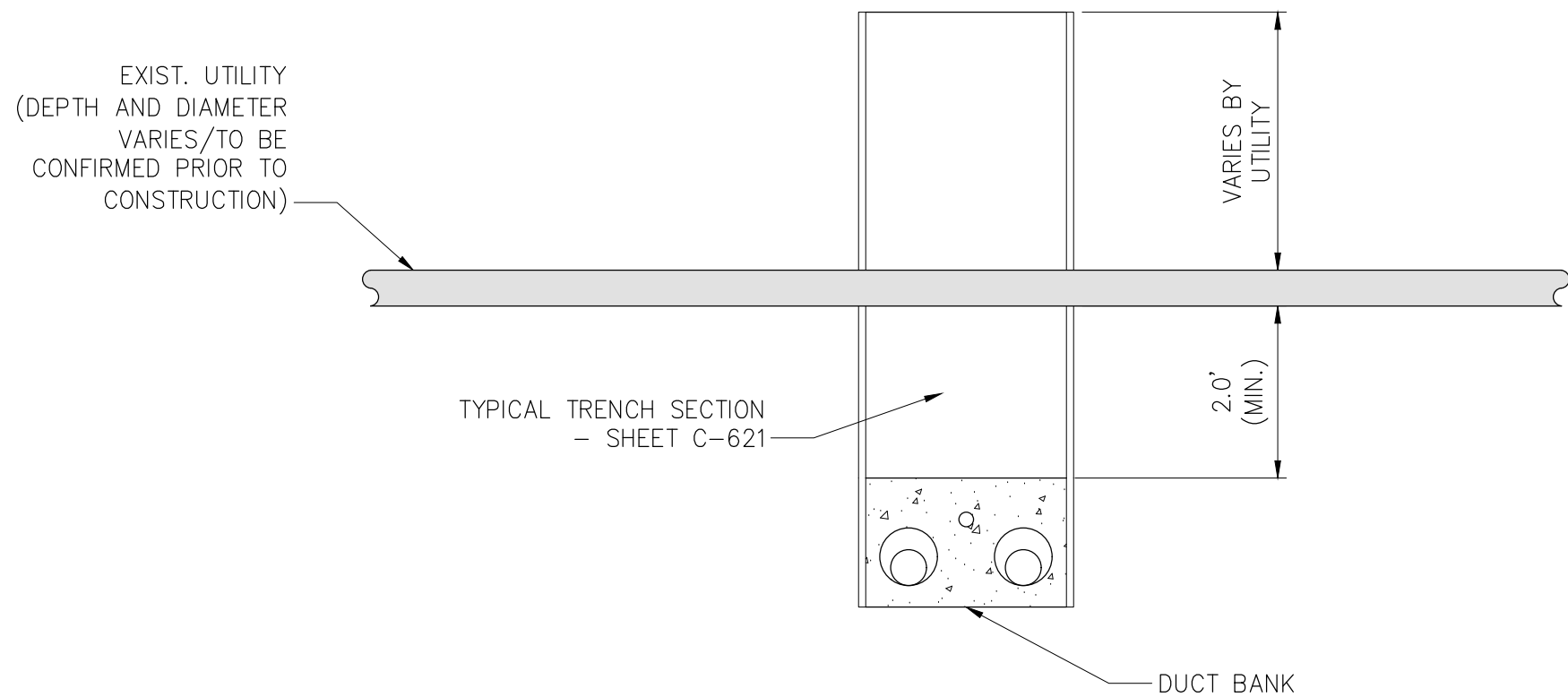
3 OPEN TRENCH - VERTICAL SEPARATION (UNDER)
NOT TO SCALE



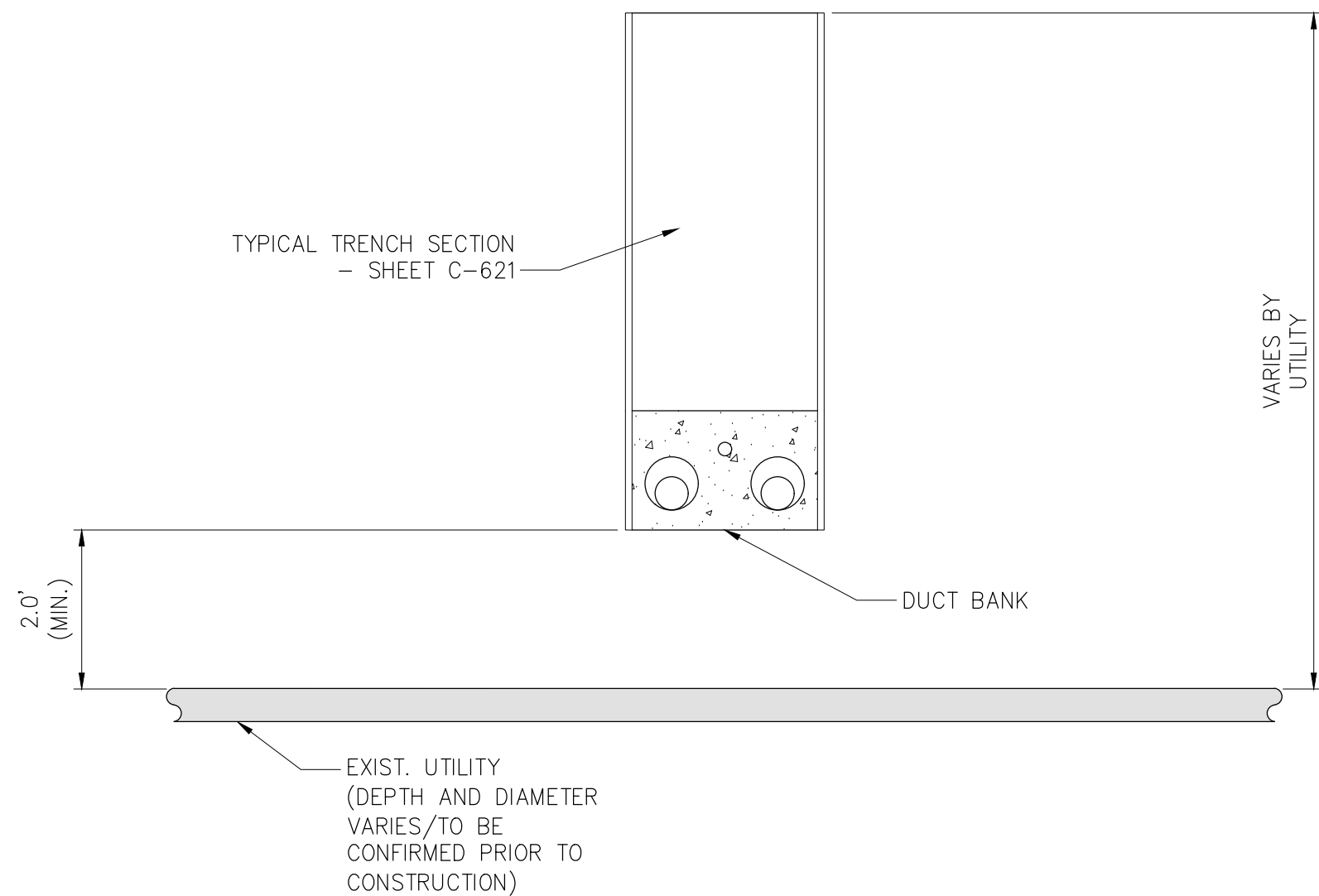
5 OPEN TRENCH - VERTICAL SEPARATION (OVER)
NOT TO SCALE



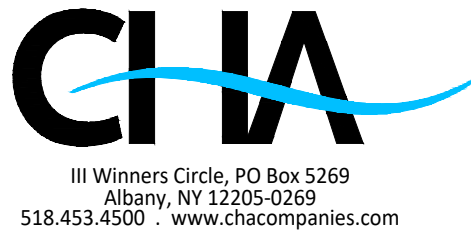
2 TYPICAL DUCTBANK IN ROADWAY - HORIZONTAL SEPARATION
NOT TO SCALE



4 TYPICAL DUCTBANK IN ROADWAY - VERTICAL SEPARATION (UNDER)
NOT TO SCALE



6 TYPICAL DUCTBANK IN ROADWAY - VERTICAL SEPARATION (OVER)
NOT TO SCALE



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G	06/20/2022	PROGRESS SUBMISSION	JM	JR
F	05/06/2022	PROGRESS SUBMISSION	JM	JR
E	03/17/2022	PROGRESS SUBMISSION	JM	JR
D	02/04/2022	PROGRESS SUBMISSION	JM	JR
C	01/28/2022	PROGRESS SUBMISSION	JM	JR
B	12/21/2021	PROGRESS SUBMISSION	JM	JR
A	11/02/2021	30% SUBMISSION	JM	JR
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
UTILITY TYPICAL
SEPARATION DETAILS

DRAWN BY:	wso	DESIGNED BY:	wso	APPROVED BY:		SCALE	AS NOTED	DATE	06/20/2022
						REV. NO.	A	SH.NO.	XXX OF XXX

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	C-901

CHAMPLAIN HUDSON POWER EXPRESS

SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY

WASHINGTON COUNTY, NEW YORK

CI OWNER SUBMISSION

(July 14, 2022)

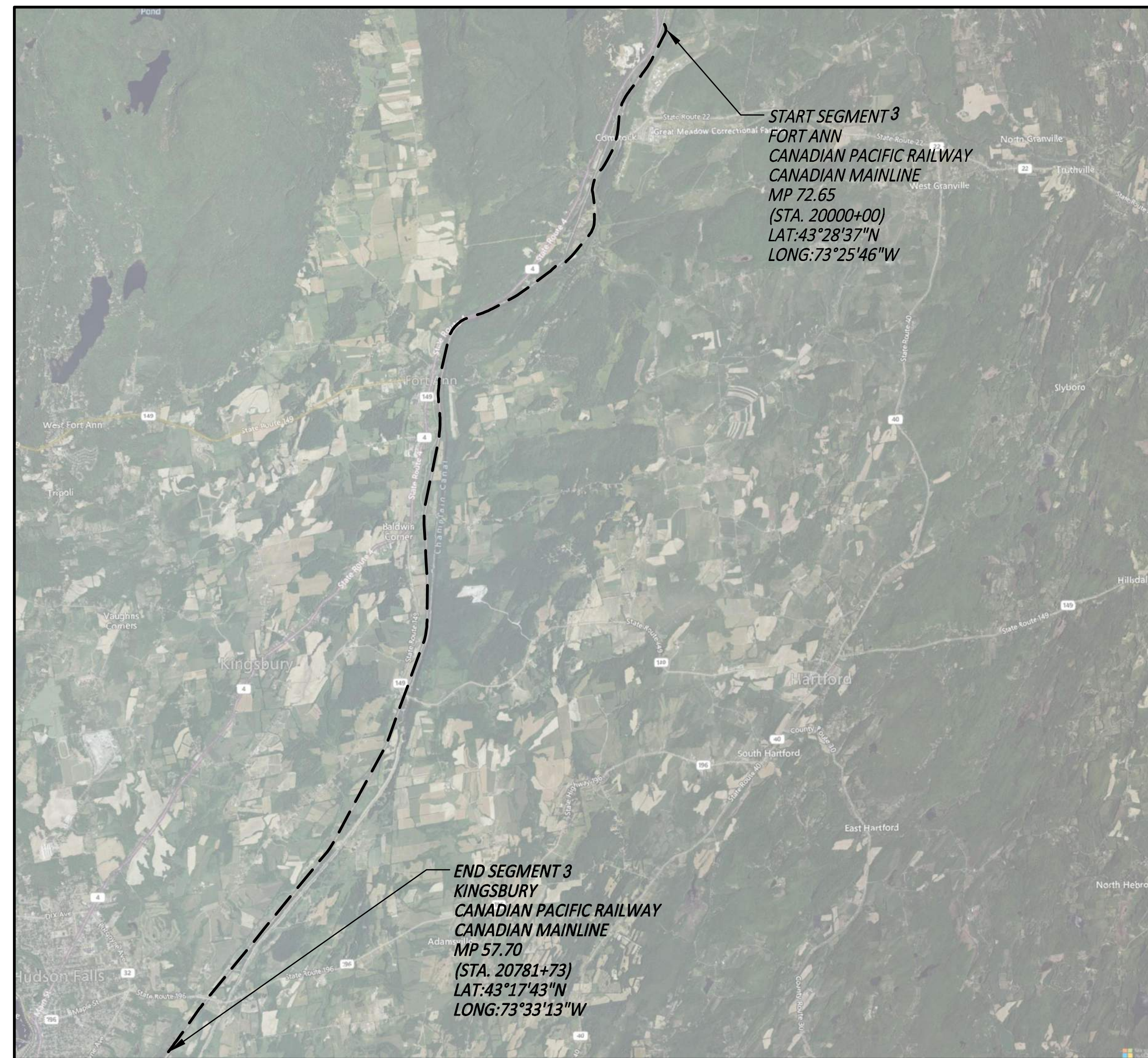
NOTES TO CO-LOCATED INFRASTRUCTURE REVIEWERS:

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 by your organization. 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 organization 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 by your organization. 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.



SITE LOCATION MAP
SCALE: 1" = 5000'



Note: This is a copy of the Plan and Profiles that were provided to Verizon

NOT FOR CONSTRUCTION



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CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
COVER SHEET

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	G-000
DATE	03/04/2022
SH.NO.	XXX OF XXX

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

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1

2

3

4

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
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G-000	COVER SHEET
G-001	SHEET INDEX
G-002	GENERAL NOTES
G-003	LEGEND
G-004	KEY PLAN
PACKAGE 2: PLAN AND PROFILE SHEETS	
C-101-C-112	STA: 20000+00 TO 20180+00 PLAN AND PROFILE
PACKAGE 2: HDD TRENCHLESS SHEETS	
C-301-C-304	PROPOSED PLAN AND PROFILE HDD9-HDD12
PACKAGE 2: DETAILS	
C-621	TRENCHING DETAILS
C-901	UTILITY TYPICAL SEPARATION DETAILS

A

B



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CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
SHEET INDEX

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

KIEWIT PROJECT NO.	
21162	
CHA PROJECT NO.	
066076	
DRAWING NO.	
G-001	
DATE	03/04/2022
SH.NO.	XXX OF XXX

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EROSION CONTROL NOTES

1. LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES.
2. THE GENERAL CONTRACTOR SHALL STRICTLY ADHERE TO THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) DURING CONSTRUCTION OPERATIONS.
3. 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)
4. SITE DISTURBANCE SHALL NOT EXCEED FIVE (5) ACRES OF SOIL AT ANY ONE TIME WITHOUT PRIOR WRITTEN AUTHORIZATION FROM NYSDEC.
5. ALL EXPOSED AREAS SHALL BE SEEDED AND MULCHED AS SPECIFIED WITHIN 7 DAYS OF FINAL GRADING.
6. INACTIVE PORTIONS OF THE SITE ARE TO BE SEEDED AND MULCHED AS SPECIFIED WITHIN 7 DAYS.
7. 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.
8. 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.
9. GENERAL CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.
10. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY FOLLOWING SITE INSPECTION.
11. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.
12. 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.

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 REQUIRED 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 AND COORDINATE WORK WITH ALL OTHER CONTRACTS FOR THE SITE.
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.

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.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK AND SHALL SUBMIT A DEWATERING PLAN DESIGNED AND SEALED BY A NEW YORK STATE PROFESSIONAL ENGINEER. 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. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL FIELD LAYOUT. THE CONTRACTOR SHALL TAKE TIES TO ALL UTILITY CONNECTIONS AND PROVIDE MARKED-UP AS-BUILT PLANS FOR ALL UTILITIES SHOWING TIES TO CONNECTIONS, BENDS, VALVES, LENGTHS OF LINES, AND INVERTS. AS-BUILT PLANS SHOWING ALL UNDERGROUND UTILITIES INSTALLED OR ENCOUNTERED SHALL BE REVIEWED BY THE OWNER AND HIS REPRESENTATIVES. THE CONTRACTOR SHALL PROVIDE ANY CORRECTION OR ADMISSIONS TO THE SATISFACTION OF THE OWNER AND HIS REPRESENTATIVES BEFORE UTILITIES WILL BE ACCEPTED.
16. TEMPORARY PAVEMENT SHALL BE PLACED WITHIN 48 HOURS OF COMPLETION OF BACKFILL OPERATIONS WITHIN THE EXISTING PAVEMENT LIMITS.
17. CONTRACTOR SHALL MAINTAIN ALL TRAFFIC IN ALL AREAS IN ACCORDANCE WITH THE NYSDOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
18. ALL EXCAVATIONS SHALL BE PROTECTED AT THE END OF EACH WORK DAY.
19. CONTRACTOR SHALL TAKE CARE TO PREVENT DAMAGE TO EXISTING UTILITIES. DAMAGED UTILITIES SHALL BE IMMEDIATELY REPAIRED BY CONTRACTOR AT THE CONTRACTOR'S EXPENSE.



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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
GENERAL NOTES

DRAWN BY:	xxx	DESIGNED BY:	xxx	APPROVED BY:	xxx	SCALE	AS NOTED	DATE	03/04/2022
						REV. NO.		SH.NO.	xxx OF xxx

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	G-002

LEGEND & ABBRIVIATIONS

	EXIST. FIBER OPTIC LINE HANDHOLE		EXISTING SIGN
	EXIST. FIBER OPTIC LINE PEDESTAL		EXIST. STRUCTURE POST
	EXIST. FIBER OPTIC LINE DOGHOUSE		EXIST. STRUCTURE MAILBOX
	EXIST. FIBER OPTIC LINE MANHOLE		EXIST. WETLAND FLAG
	EXIST. FIBER OPTIC LINE VAULT		EXIST. GAS LINE
	EXIST. FIBER OPTIC LINE BORE PIT		EXIST. UNDERGROUND TELE.
	EXIST. FIBER OPTIC LOCK BOX		EXIST. FIBER OPTIC
	EXIST. GROUND ROD		EXIST. OVERHEAD TELE.
	EXIST. FIBER OPTIC MARKER POST		EXIST. UNDERGROUND ELEC.
	EXIST. FIBER STORAGE		EXIST. OVERHEAD ELEC.
	EXIST. FIRE HYDRANT		EXIST. CULVERT
	EXIST. WATER VALVE		EXIST. SANITARY SEWER
	EXIST. WATER MANHOLE		EXIST. STORM SEWER
	EXIST. WATER MARKER		EXIST. POTABLE WATER LINE
	EXIST. SANITARY SEWER MANHOLE		EXIST. RAILROAD TRACK
	EXIST. SANITARY SEWER VENT		EXIST. WETLANDS
	EXIST. STORM SEWER MANHOLE		CERTIFIED ROUTE PROVIDED BY CHPE KMZ
	EXIST. STORM SEWER CATCH BASIN		EXIST. CONTOUR, INDEX
	EXIST. CULVERT INVERT		EXIST. CONTOUR, DEPRESSION INDEX
	EXIST. GAS MANHOLE		EXIST. CONTOUR, INTERMEDIATE
	EXIST. GAS VALVE		EXIST. CONTOUR, DEPRESSION INTERMEDIATE
	EXIST. GAS MARKER		EXIST. SPOT ELEVATION
	EXIST. GAS PIPELINE VENT		EXIST. CULTURAL DEBRIS
	EXIST. LIGHT POLE		EXIST. CULTURAL FIELD LINE
	EXIST. UTILITY POLE		EXIST. CULTURAL LANDSCAPE AREA
	EXIST. ELEC. POLE		EXIST. CULTURAL PILE
	EXIST. TRAFFIC LIGHT		EXIST. CULTURAL STORAGE AREA
	EXIST. ELEC. METER		EXIST. HYDROGRAPHIC
	EXIST. ELEC. MANHOLE		EXIST. CULVERT
	EXIST. ELEC. TRANSFORMER		EXIST. INUNDATED AREA
	EXIST. ELEC. VAULT		EXIST. RIP-RAP
	EXIST. ELEC. HANDHOLE		EXIST. STREAM
	EXIST. ELEC. PEDESTAL/BOX		EXIST. SWAMP
	EXIST. ELEC. MARKER POST		WATER LEVEL
	EXIST. ELEC. GUY ANCHOR/WIRE		EXIST. NATURAL BOULDER
	EXIST. TELE. RISER/BOX		EXIST. NATURAL SHRUB LINE
	EXIST. TELE. MANHOLE		EXIST. NATURAL TREE LINE
	EXIST. TELE. HANDHOLE		EXIST. NATURAL SINGLE TREE/BUSH
	EXIST. TELE. VAULT		EXIST. STRUCTURAL BUILDING
	EXIST. TELE. PEDESTAL		EXIST. PAVED DRIVE
	EXIST. TELE. DOGHOUSE		EXIST. PAVED ROAD
	EXIST. TELE. MARKER POST		EXIST. PAVED SHOULDER
	EXIST. TELE. JUNCTION BOX		EXIST. PAVED SIDEWALK
	EXIST. TRAFFIC SIGNAL BOX		EXIST. GUARDRAIL
	EXIST. CELL TOWER		EXIST. RAILROAD
	EXIST. CABLE BOX		EXIST. TRAIL
	EXISTING MANHOLE UNKNOWN		EXIST. FENCE
	EXISTING UTILITY BOX UNKNOWN		EXIST. WALL
	EXISTING ANTENNA		EXIST. RETAINING WALL
	EXISTING CAPPED IRON ROD		EXIST. RIGHT-OF-WAY
	EXISTING IRON PIPE		EXIST. ABUTTER
	EXISTING CONCRETE MONUMENT		
	EXISTING POST		
	EXISTING REFLECTOR MARKER		
	EXISTING SYMBOL		

SURVEY NOTES:

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

SUBSURFACE UTILITY ENGINEERING NOTES:

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

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

PEM – PALUSTRINE EMERGENT	APP – APPROVED
PSS – PALUSTRINE SCRUB-SHRUB	CL – CENTERLINE
PFO – PALUSTRINE FORESTED	CMP – CORRUGATED METAL PIPE
PUB – PALUSTRINE UNCONSOLIDATED BOTTOM	CONC – CONCRETE
L1 – LACUSTRINE LIMNETIC	DB – DESIGNED BY
L2 – LACUSTRINE LITTORAL	DEC – NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
PROP. NYSDEC FWW 100-FOOT ADJACENT AREA	DEG – DEGREES
PROP. GIS – WETLAND	DR – DRIVE
PROP. JD BOUNDARY	DZ – DEVIATION ZONE
PROP. WETLAND PROTECTION FENCE	E – EASTING
PROP. COMPOST FILTER SOCK (OR SILT SOCK)	ELECTRIC – ELECTRIC CABLE
PROP. LIMITS OF WORK/DISTURBANCE	ELEV – ELEVATION
PROP. LIMITS OF CLEARING/LIMITS OF WORK IN CLEARING AREAS	FIBER – FIBER OPTIC CABLE
PROP. CONCRETE WASHOUT	FT – FEET
PROP. ACCESS ROAD ROUTE (EXISTING ROAD OR SURFACE)	GAS – GAS PIPE
PROP. REFURBISHED ACCESS ROAD	H – HORIZONTAL
PROP. ACCESS ROAD OR OFF SITE ACCESS ROAD	HDD – HORIZONTAL DIRECTIONAL DRILLING
PROP. TIMBER MATTING ACCESS ROAD	HVDC – HIGH-VOLTAGE DIRECT CURRENT TRANSMISSION LINE
PROP. SPLICE LOCATION	INV – INVERT ELEVATION
PROP. SPLICE VAULT	LOW – LIMITS OF WORK
PROP. LINK BOX HANDHOLE	LT – LEFT
PROP. FIBER SPLICE HANDHOLE	MAX – MAXIMUM
PROP. BORING LOCATION	MIN – MINIMUM
PROP. ALIGNMENT STATIONING	N – NORTHING
PROP. RIGHT-OF-WAY	NO – NUMBER
PROP. ABUTTER	NY – NEW YORK
PROP. ALIGNMENT CENTERLINE	P# – PACKAGE #
PROP. LAYDOWN YARDS, PARKING, STORAGE & MUSTER AREA	PVC – POLYVINYL CHLORIDE
PROP. WORK AREAS	PVI – POINT OF VERTICAL INTERSECTION
PROP. PERMANENT EASEMENT	R – RADIUS
PROP. TEMPORARY EASEMENT	RCP – REINFORCED CONCRETE PIPE
7' FOUL ZONE: NO VEHICLES, MATERIALS, DISTURBANCE, PERSONNEL, OR WORK SHALL ENCROACH THE ZONE WITHIN 7FT OF THE NEAREST RAIL WITHOUT CSX COORDINATION AND APPROVAL	RD – ROAD
	REV – REVISION
	ROW – RIGHT-OF-WAY
	RT – RIGHT
	RTE – ROUTE
	SEWER – SANITARY SEWER PIPE
	SH – SHEET
	ST – STREET
	STA – STATION
	STORM – STORM DRAIN PIPE
	TELECOM – TELECOMMUNICATIONS CABLE
	TEMP – TEMPORARY
	TR – THERMAL RESISTIVITY
	TYP – TYPICAL
	V – VERTICAL
	WATER – WATERLINE

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
SURVEY LEGEND

DRAWN BY:	JTM	DESIGNED BY:	JTM	APPROVED BY:	JPR	SCALE	AS NOTED	DATE	03/04/2022
						REV. NO.	X	SH.NO.	XXX OF XXX



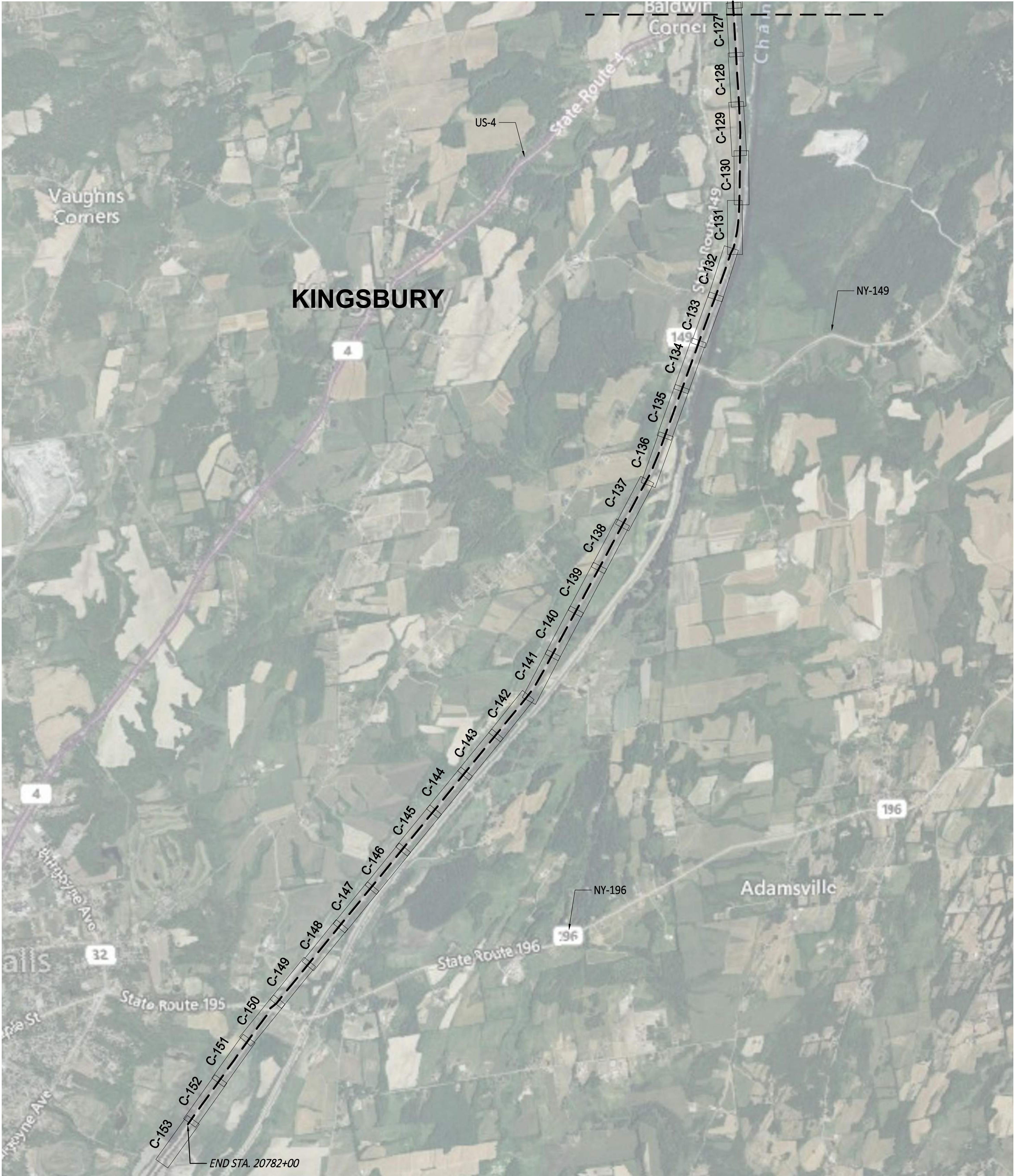
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE 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.

D	04/28/2022	60% SUBMISSION	JM	JR	
C	03/04/2022	PROGRESS SUBMISSION	JM	JR	
B	02/23/2022	PROGRESS SUBMISSION	JM	JR	
A	01/28/2022	30% SUBMISSION	JM	JR	
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	G-003
DATE	03/04/2022
SH.NO.	XXX OF XXX



PLAN AND PROFILE KEY MAP
SCALE: 1" = 4000'



PLAN AND PROFILE KEY MAP
SCALE: 1" = 4000'



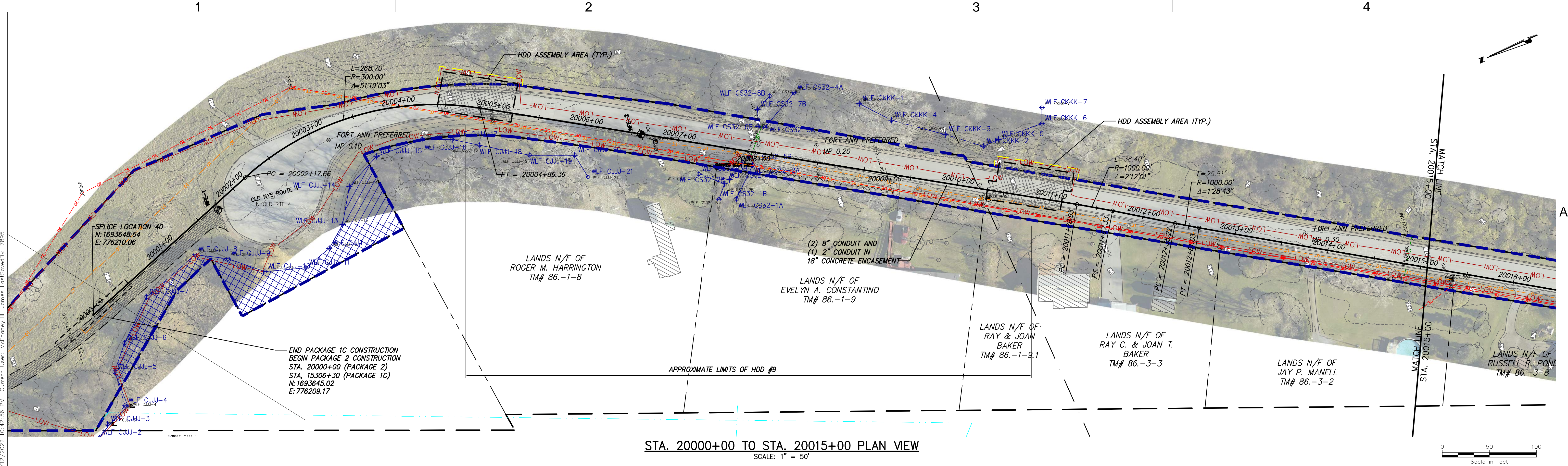
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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	

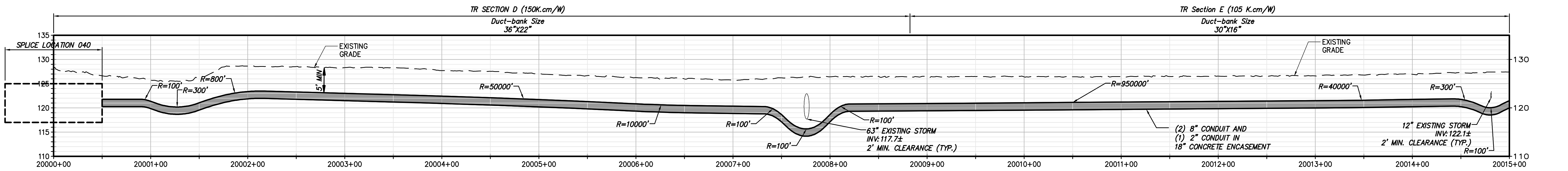
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
KEYPLAN

DRAWN BY:	JTM	DESIGNED BY:	JTM	APPROVED BY:	JPR	SCALE	AS NOTED	DATE	03/04/2022
						REV. NO.	X	SH.NO.	XXX OF XXX




KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	G-004
DATE	03/04/2022
SH.NO.	XXX OF XXX



STA. 20000+00 TO STA. 20015+00 PLAN VIEW
SCALE: 1" = 50'



STA. 20000+00 TO STA. 20015+00 PROFILE VIEW
SCALE: H:1" = 50' V:1" = 10'



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B	02/23/2022	PROGRESS SUBMISSION	JM	JR
A	01/28/2022	30% SUBMISSION	JM	JR

CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY STA. 20000+00 TO STA. 20015+00 PLAN AND PROFILE

DRAWN BY: xxx

DESIGNED BY: xxx

APPROVED BY: xxx

SCALE: AS NOTED
REV. NO. X

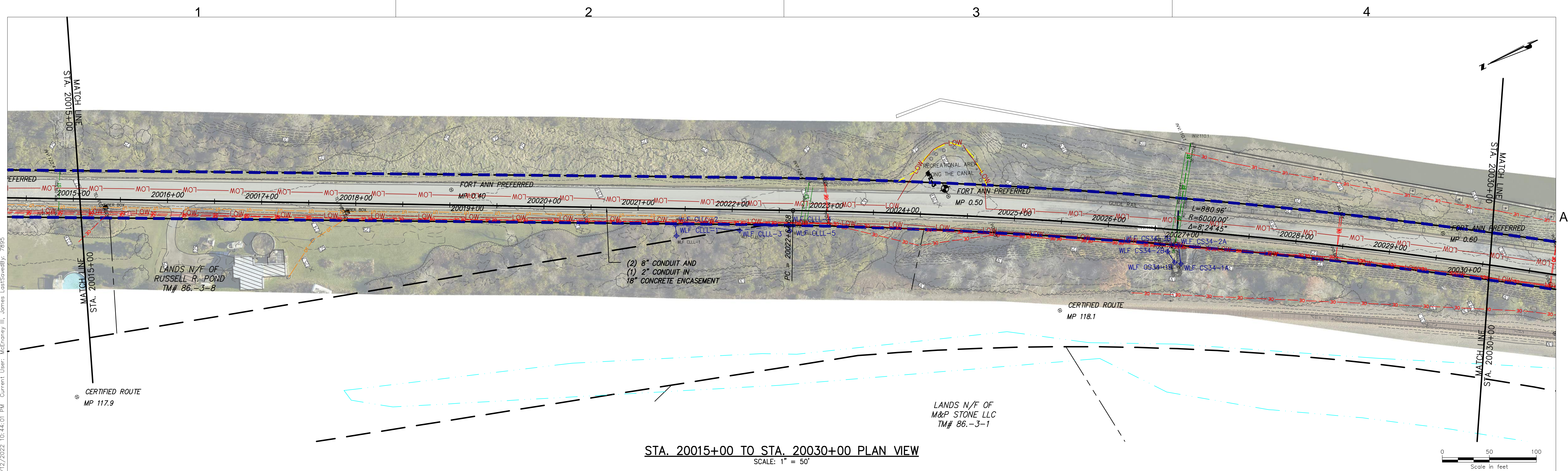
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21162

CHA PROJECT NO.
066076

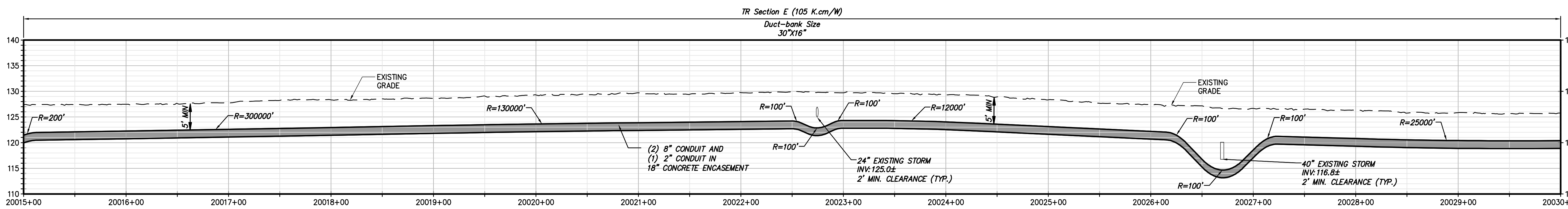
DRAWING NO.
C-101

DATE
03/04/2022


SH.NO.
XXX OF XXX




STA. 20015+00 TO STA. 20030+00 PLAN VIEW
SCALE: 1" = 50'




STA. 20015+00 TO STA. 20030+00 PROFILE VIEW
SCALE: H: 1" = 50' V: 1" = 10'



Champlain Hudson
Power Express



Kiewit



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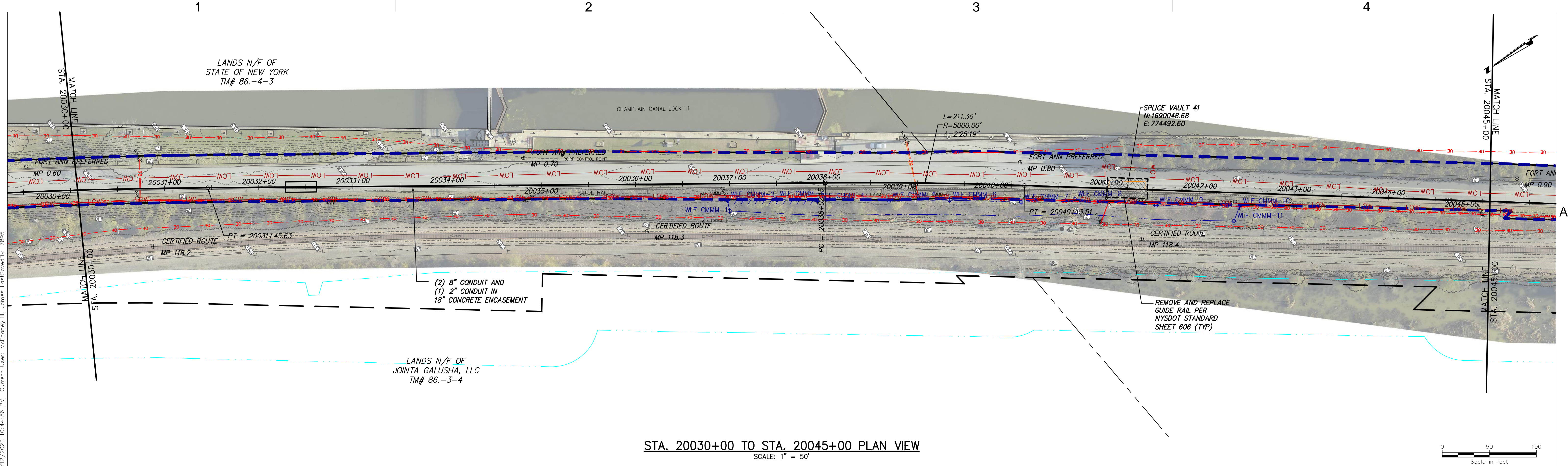
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
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B	02/23/2022	PROGRESS SUBMISSION	JM	JR
A	01/28/2022	30% SUBMISSION	JM	JR

**CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
STA. 20015+00 TO STA. 20030+00 PLAN AND PROFILE**

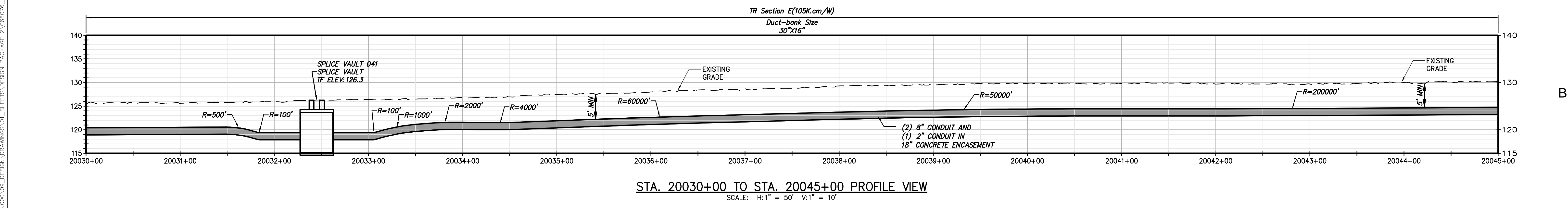
DRAWN BY: xxx DESIGNED BY: xxx APPROVED BY: xxx
SCALE AS NOTED
REV. NO. X

KIEWIT PROJECT NO.
21162
CHA PROJECT NO.
066076
DRAWING NO.
C-102




DATE 03/04/2022
SH.NO. XXX OF XXX



STA. 20030+00 TO STA. 20045+00 PLAN VIEW
SCALE: 1" = 50'



STA. 20030+00 TO STA. 20045+00 PROFILE VIEW
SCALE: H:1" = 50' V:1" = 10'



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A	01/28/2022	30% SUBMISSION	JM	JR

CHAMPLAIN HUDSON POWER EXPRESS

SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY

STA. 20030+00 TO STA. 20045+00 PLAN AND PROFILE

DRAWN BY: xxx

DESIGNED BY: xxx

APPROVED BY: xxx

SCALE AS NOTED

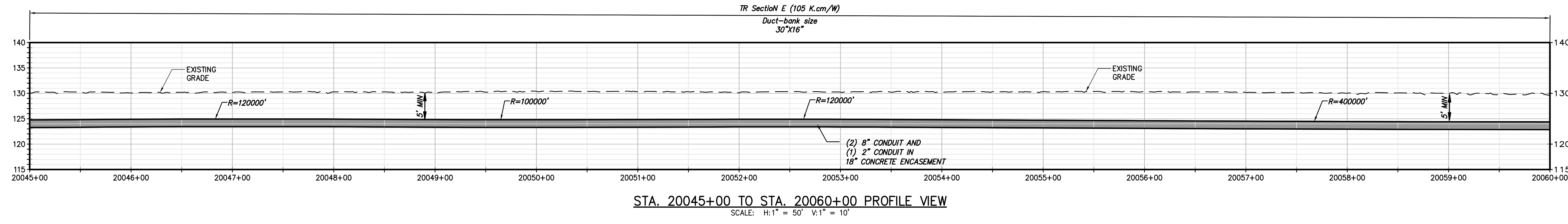
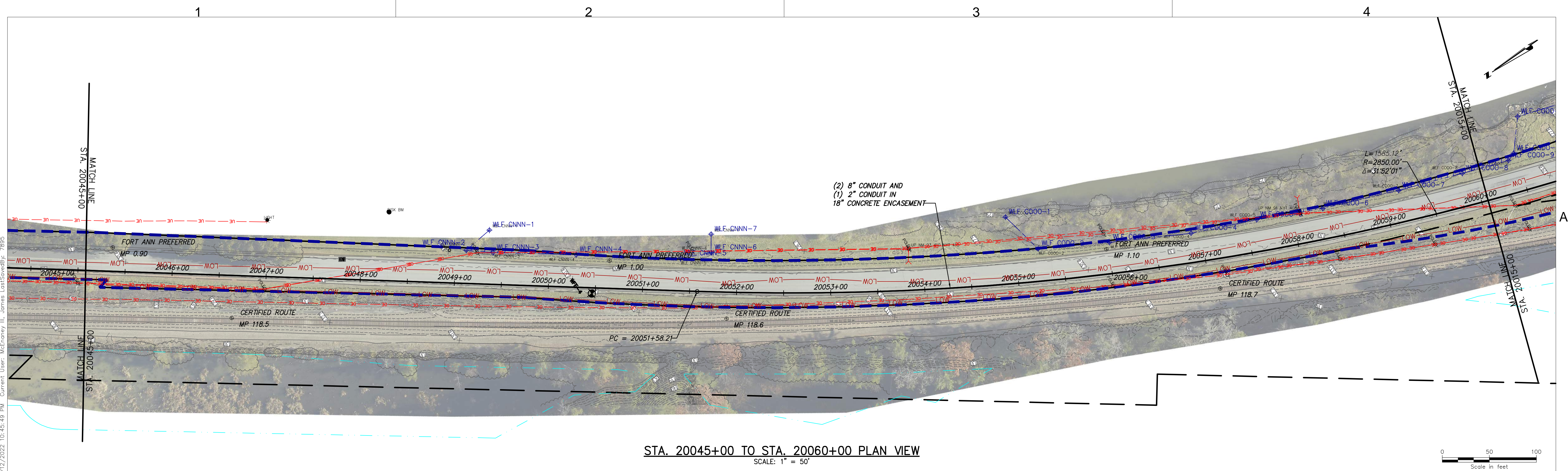
DATE 03/04/2022




SH.NO. xxx OF xxx

KIEWIT PROJECT NO. 21162

CHA PROJECT NO. 066076

DRAWING NO. C-103





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B	02/23/2022	PROGRESS SUBMISSION	JM	JR
A	01/28/2022	30% SUBMISSION	JM	JR

CHAMPLAIN HUDSON POWER EXPRESS

SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY

STA. 20045+00 TO STA. 20060+00 PLAN AND PROFILE

DRAWN BY: xxx

DESIGNED BY: xxx

APPROVED BY: xxx

SCALE AS NOTED
REV. NO.

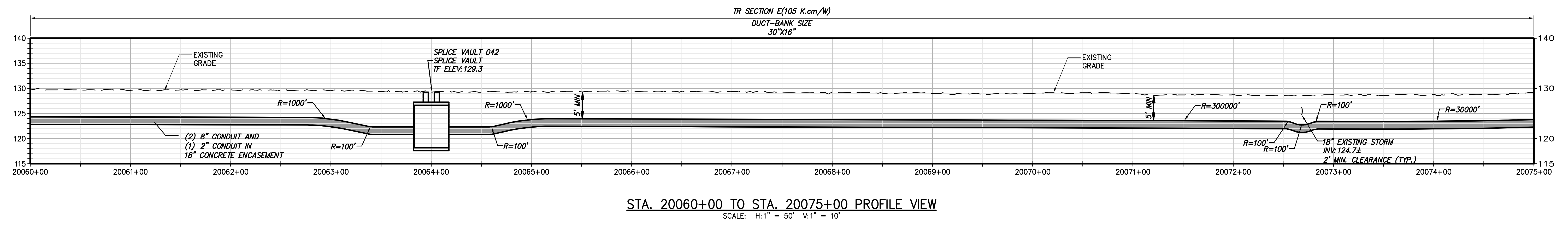
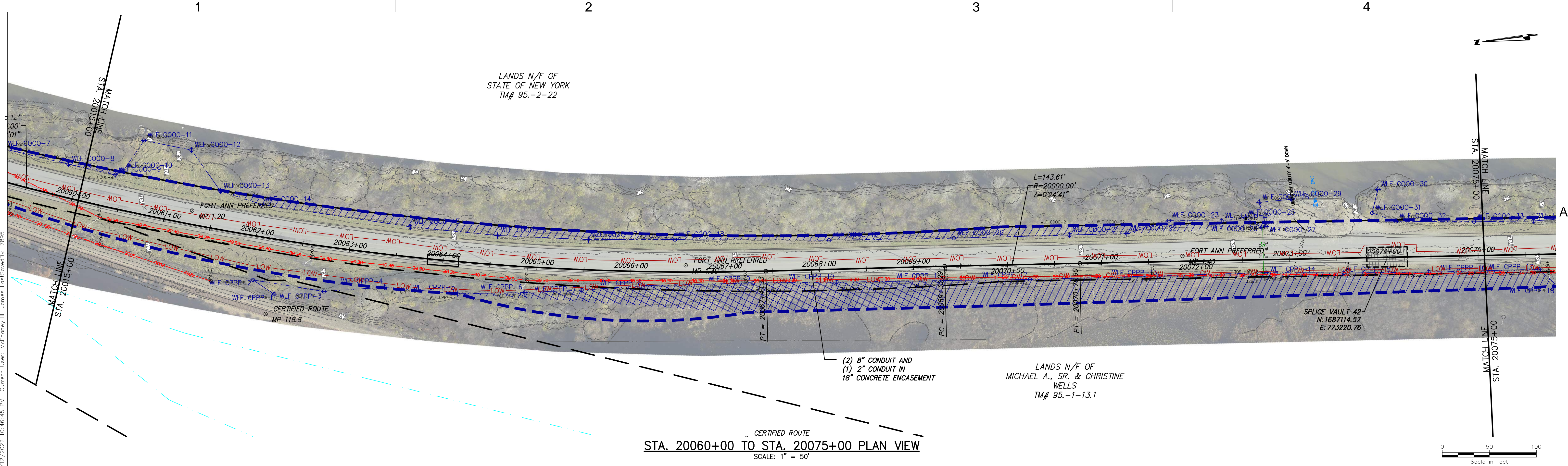
KIEWIT PROJECT NO.
21162


CHA PROJECT NO.
066076

DRAWING NO.
C-104


DATE
03/04/2022


SH.NO.
XXX OF XXX





Champlain Hudson
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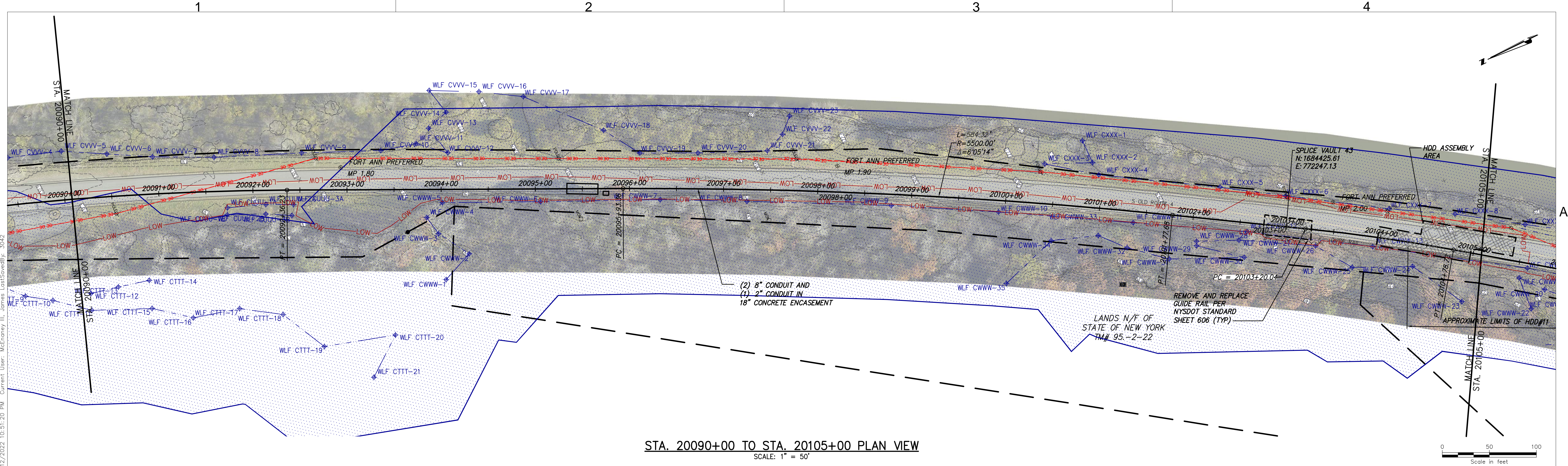
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
STA. 20060+00 TO STA. 20075+00 PLAN AND PROFILE

DRAWN BY: xxxDESIGNED BY: xxxAPPROVED BY: xxx

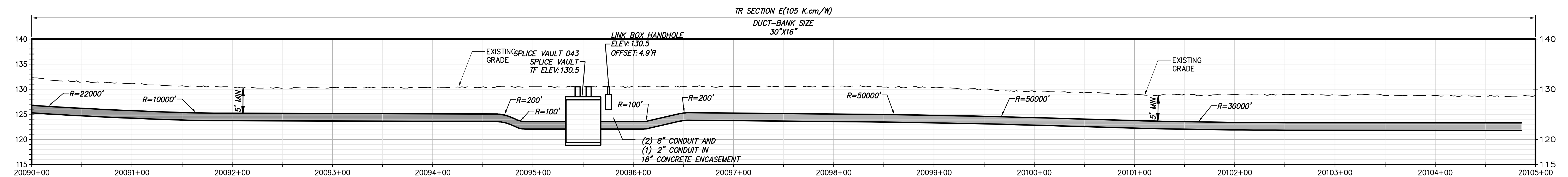
SCALE AS NOTED
REV. NO. X

KIEWIT PROJECT NO.
21162
CHA PROJECT NO.
066076
DRAWING NO.
C-105




DATE
03/04/2022
SH.NO.
XXX OF XXX



STA. 20090+00 TO STA. 20105+00 PLAN VIEW
SCALE: 1" = 50'



STA. 20090+00 TO STA. 20105+00 PROFILE VIEW
SCALE: H: 1" = 50' V: 1" = 10'



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A	01/28/2022	30% SUBMISSION	JM	JR

CHAMPLAIN HUDSON POWER EXPRESS

SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY

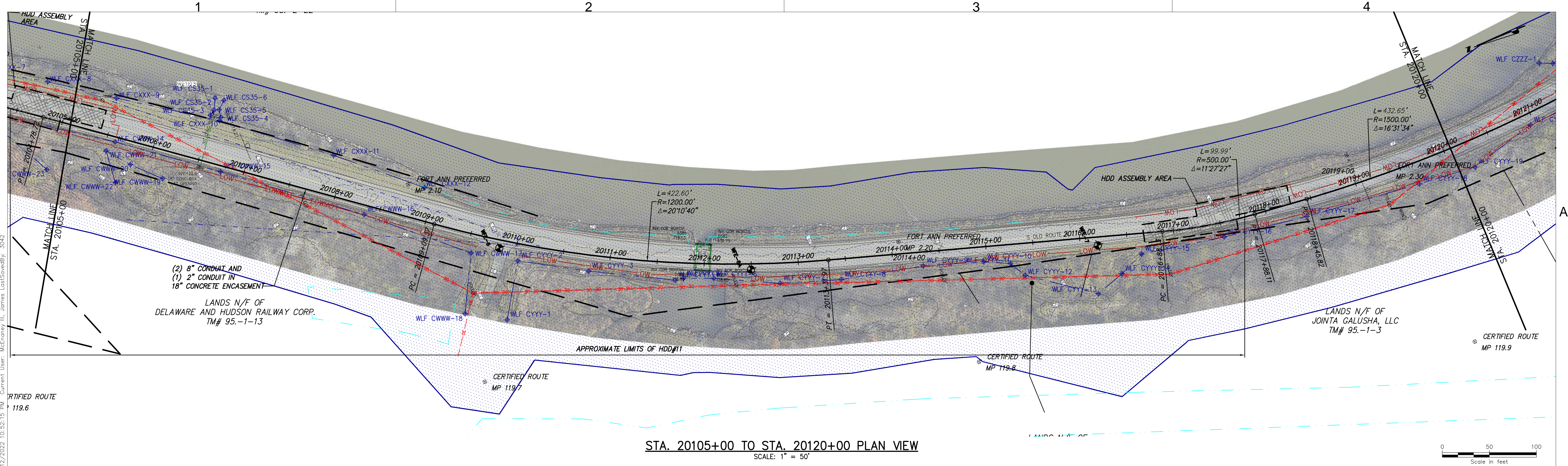
STA. 20090+00 TO STA. 20105+00 PLAN AND PROFILE

DRAWN BY: xxx DESIGNED BY: xxx APPROVED BY: xxx

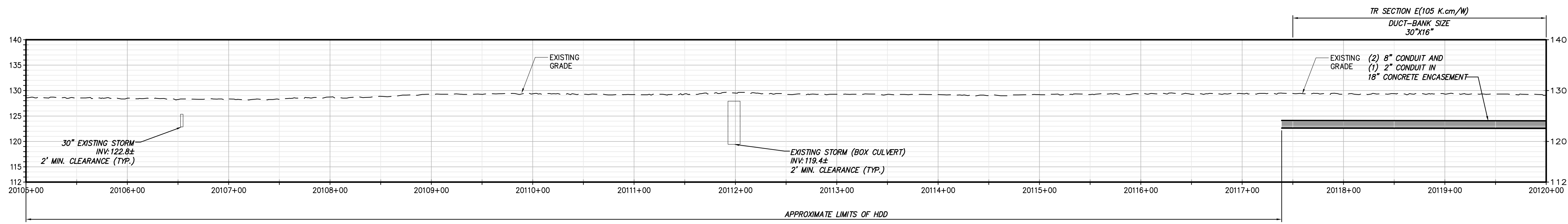
SCALE AS NOTED
REV. NO. X

KIEWIT PROJECT NO. 21162
CHA PROJECT NO. 066076
DRAWING NO. C-107




DATE 03/04/2022
SH.NO. XXX OF XXX



STA. 20105+00 TO STA. 20120+00 PLAN VIEW
SCALE: 1" = 50'



STA. 20105+00 TO STA. 20120+00 PROFILE VIEW
SCALE: H:1" = 50' V:1" = 10'



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CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY STA. 20105+00 TO STA. 20120+00 PLAN AND PROFILE

DRAWN BY: xxx

DESIGNED BY: xxx

APPROVED BY: xxx

SCALE AS NOTED
REV. NO. X

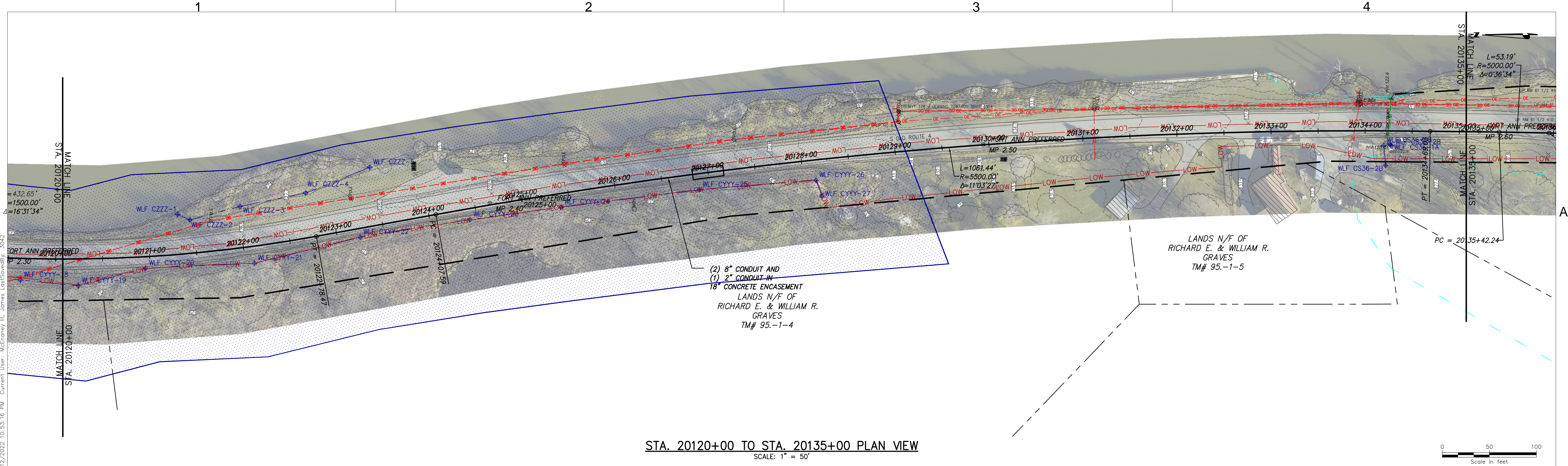
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21162

CHA PROJECT NO.
068076

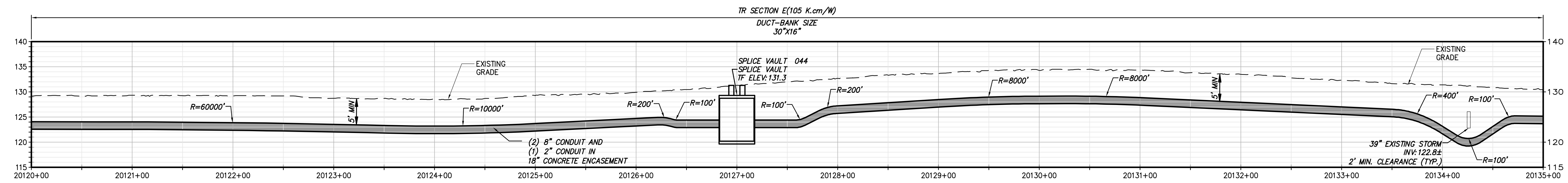
DRAWING NO.
C-108

DATE
03/04/2022




SH.NO.
XXX OF XXX



STA. 20120+00 TO STA. 20135+00 PLAN VIEW
SCALE: 1" = 50'



STA. 20120+00 TO STA. 20135+00 PROFILE VIEW
SCALE: H:1" = 50' V:1" = 10'



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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
D	04/28/2022	60% SUBMISSION	JM	JR
C	03/04/2022	PROGRESS SUBMISSION	JM	JR
B	02/23/2022	PROGRESS SUBMISSION	JM	JR
A	01/28/2022	30% SUBMISSION	JM	JR

CHAMPLAIN HUDSON POWER EXPRESS

SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY

STA. 20120+00 TO STA. 20135+00 PLAN AND PROFILE

DRAWN BY: xxx

DESIGNED BY: xxx

APPROVED BY: xxx

SCALE AS NOTED

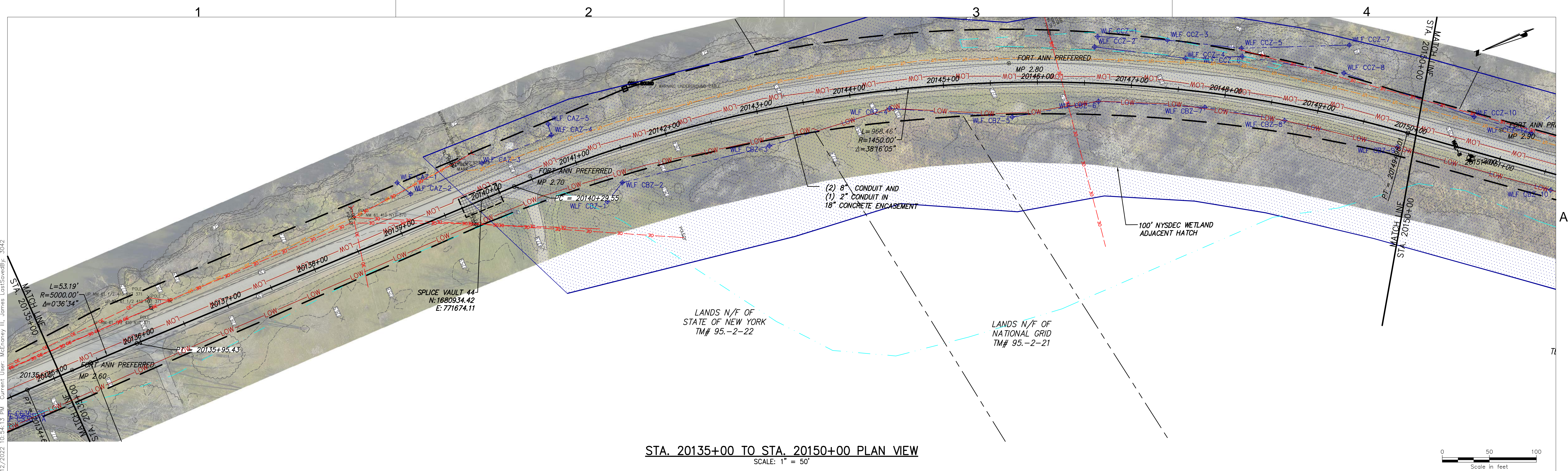
DATE 03/04/2022

SH.NO. XXX OF XXX

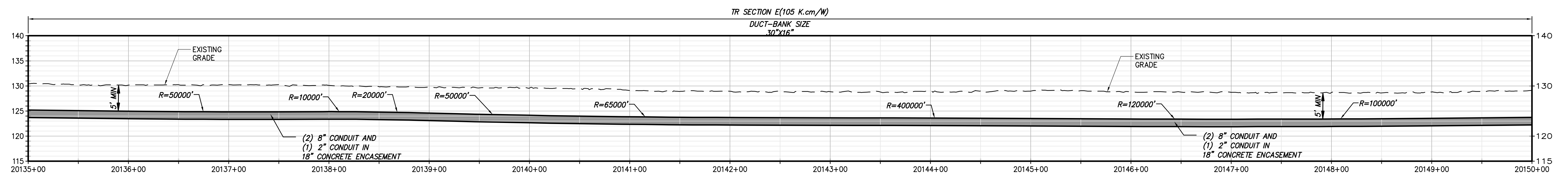
KIEWIT PROJECT NO. 21162

CHA PROJECT NO. 066076




DRAWING NO. C-109



STA. 20135+00 TO STA. 20150+00 PLAN VIEW
SCALE: 1" = 50'



STA. 20135+00 TO STA. 20150+00 PROFILE VIEW
SCALE: H:1" = 50' V:1" = 10'



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CHAMPLAIN HUDSON POWER EXPRESS

SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY

STA. 20135+00 TO STA. 20150+00 PLAN AND PROFILE

DRAWN BY: xxx

DESIGNED BY: xxx

APPROVED BY: xxx

SCALE: AS NOTED
REV. NO. X

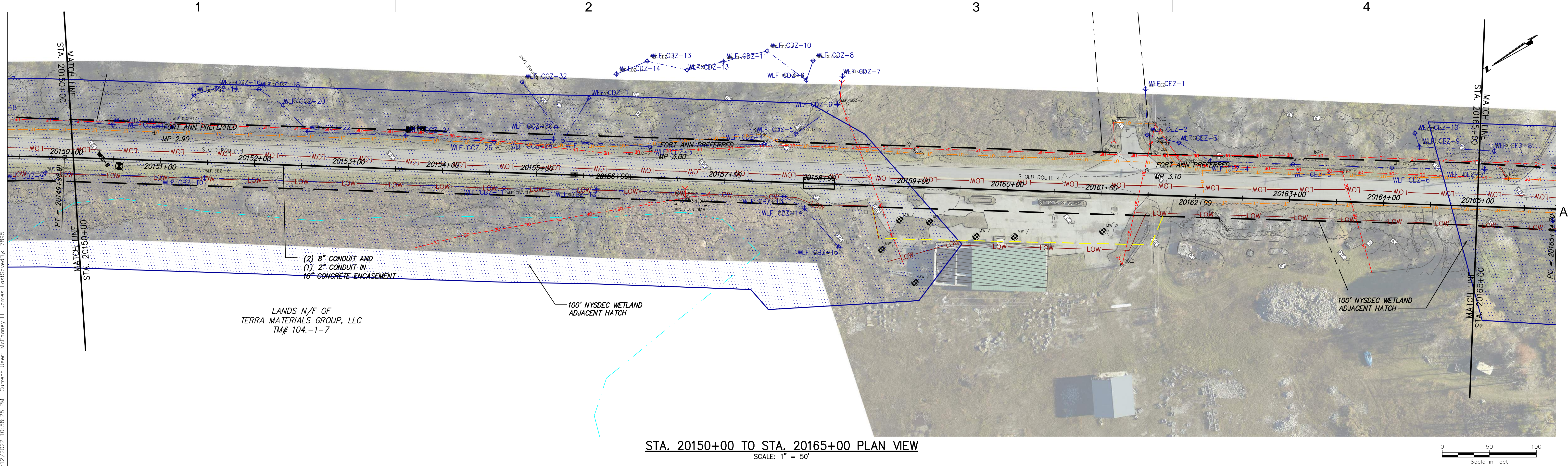
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21162

CHA PROJECT NO.
066076

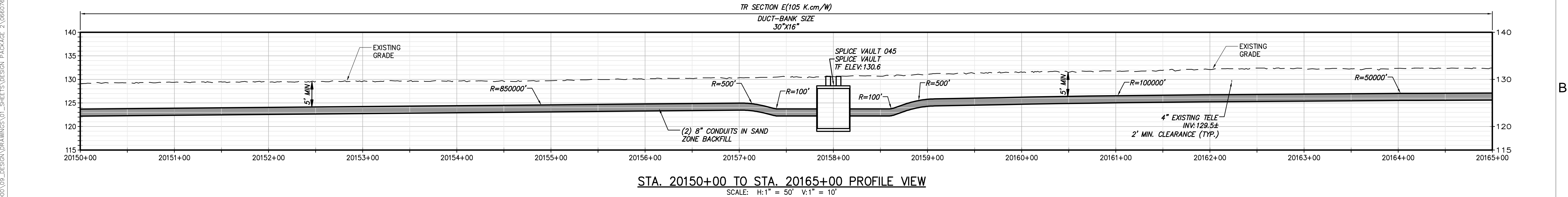
DRAWING NO.
C-110

DATE
03/04/2022




SH.NO.
XXX OF XXX



STA. 20150+00 TO STA. 20165+00 PLAN VIEW
SCALE: 1" = 50'



STA. 20150+00 TO STA. 20165+00 PROFILE VIEW
SCALE: H:1" = 50' V:1" = 10'



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A	01/28/2022	30% SUBMISSION	JM	JR

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
STA. 20150+00 TO STA. 20165+00 PLAN AND PROFILE

DRAWN BY: xxx

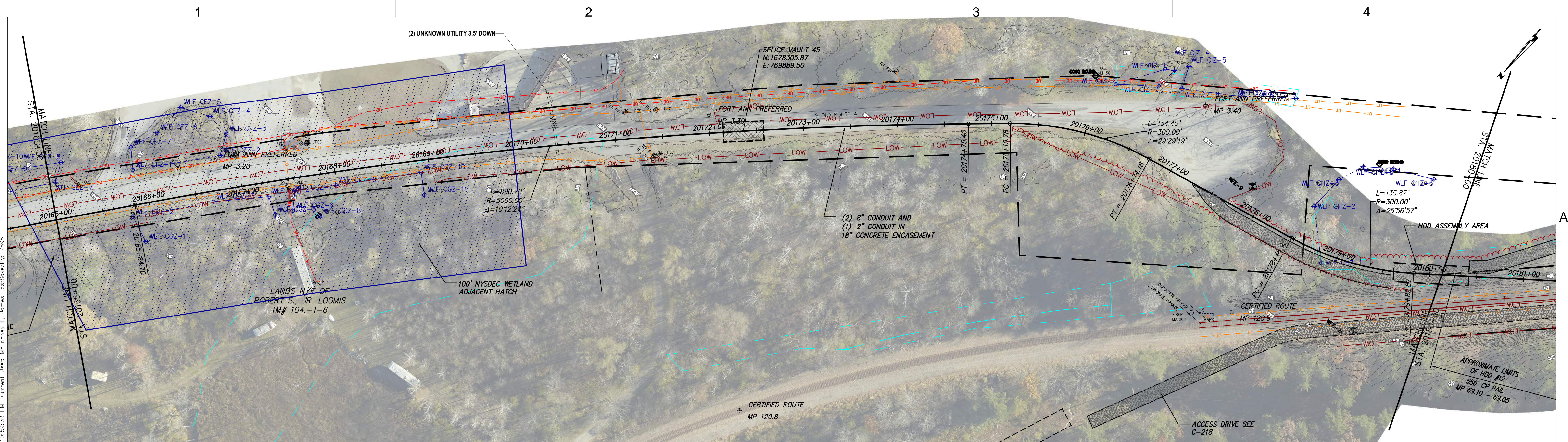
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APPROVED BY: xxx

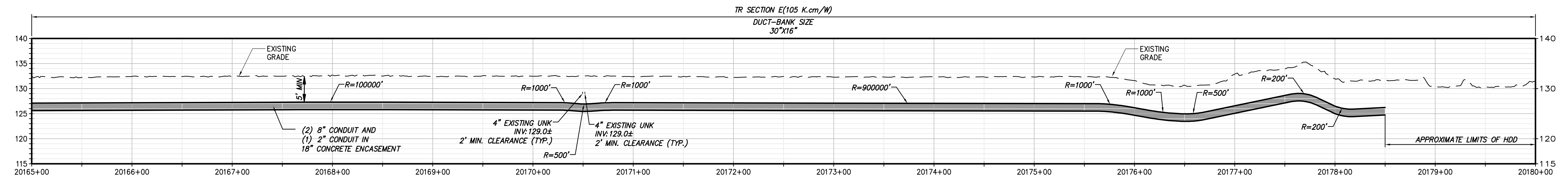
SCALE: AS NOTED
REV. NO. X

KIEWIT PROJECT NO.
21162
CHA PROJECT NO.
066076
DRAWING NO.
C-111


DATE
03/04/2022
SH.NO.
XXX OF XXX




STA. 20165+00 TO STA. 20180+00 PLAN VIEW
SCALE: 1" = 50'




STA. 20165+00 TO STA. 20180+00 PROFILE VIEW
SCALE: H:1" = 50' V:1" = 10'



Champlain Hudson
Power Express



Kiewit



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B	02/23/2022	PROGRESS SUBMISSION	JM	JR
A	01/28/2022	30% SUBMISSION	JM	JR

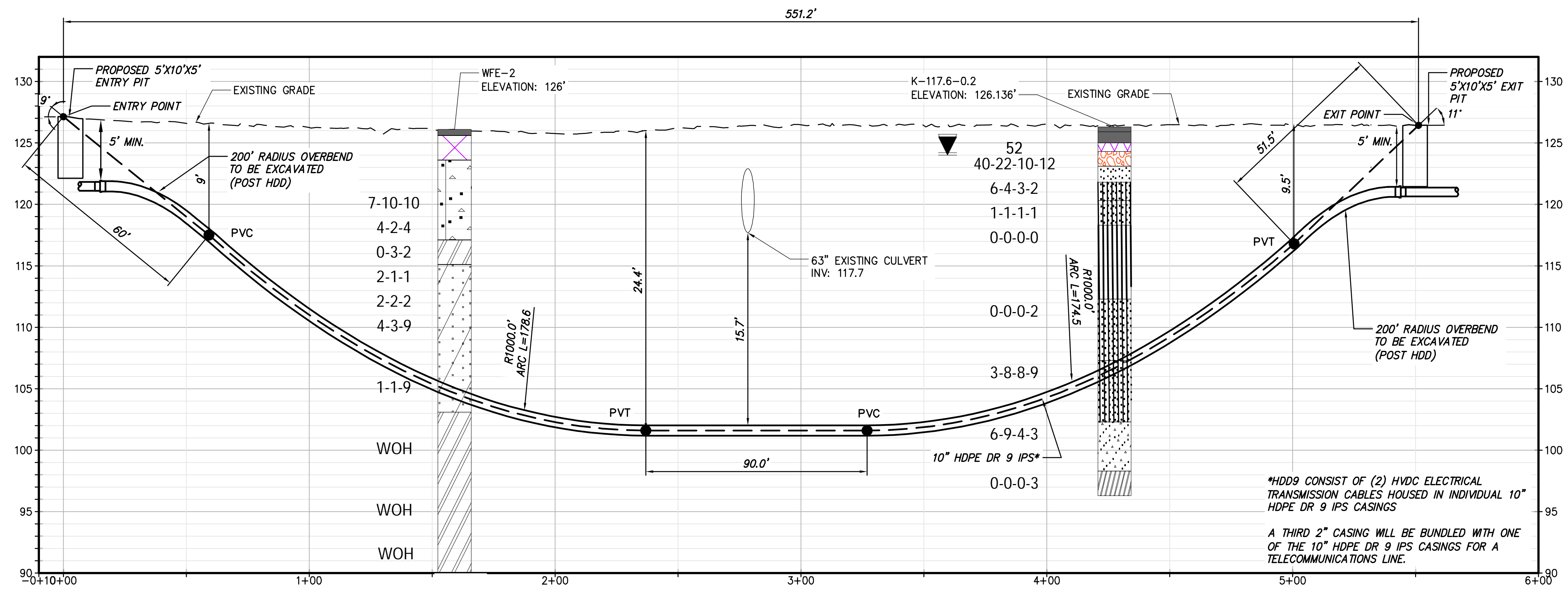
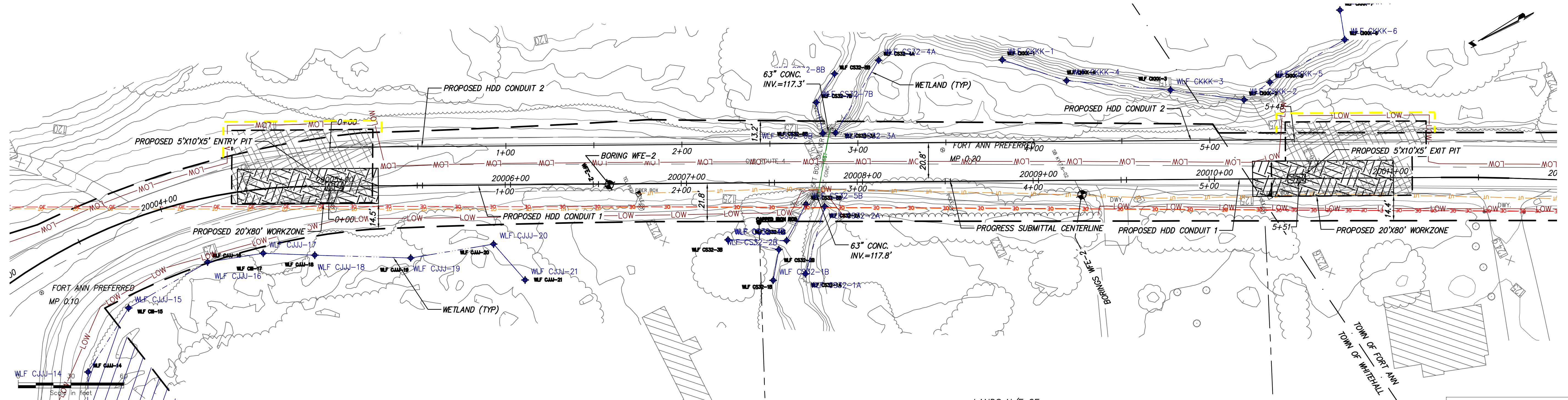
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
STA. 20165+00 TO STA. 20180+00 PLAN AND PROFILE

DRAWN BY: xxxDESIGNED BY: xxxAPPROVED BY: xxx

SCALE AS NOTED
REV. NO. X

KIEWIT PROJECT NO.
21162
CHA PROJECT NO.
066076
DRAWING NO.
C-112

DATE
03/04/2022
SH.NO.
XXX OF XXX



Legend		
	ASPHALT	Asphalt
	CH	Fat CLAY
	CL	Lean CLAY
	CL-ML	SILTY CLAY
	CONCRETE	Concrete
	Fill	Fill
	GC	CLAYEY GRAVEL
	GM	SILTY GRAVEL
	Gneiss	Undefined
	GP	Poorly Graded GRAVEL
	GW	Well Graded GRAVEL
	ML	SILT
	OL	ORGANIC Lean CLAY
	OL/OH	ORGANIC SOIL
	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



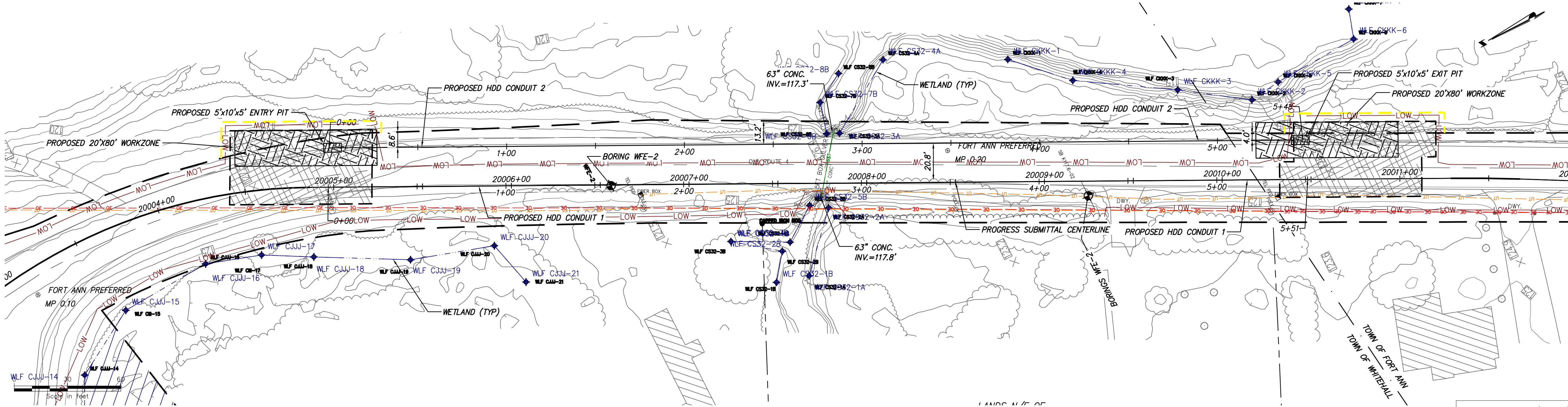
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A	01/28/2022	30% SUBMISSION	JM	JR
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP

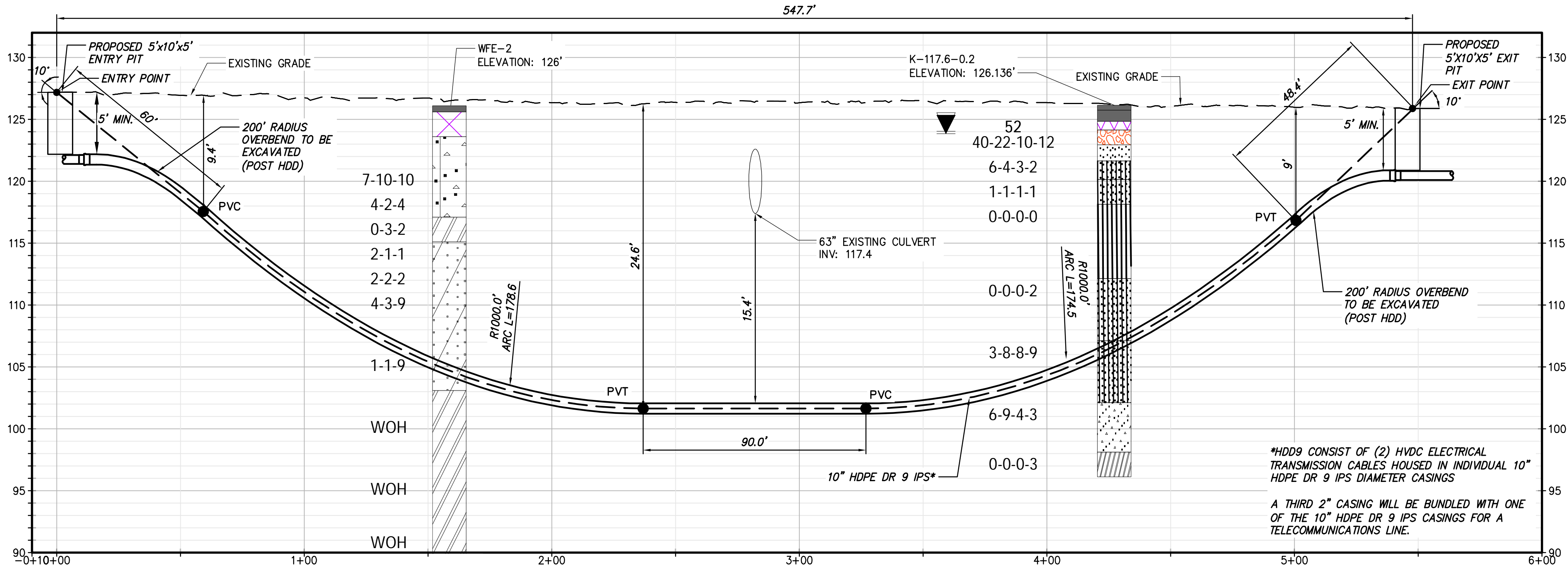
**CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PROPOSED PLAN AND PROFILE - HDD 9
CULVERT CROSSING, CONDUIT 1
WHITEHALL, WASHINGTON COUNTY, NY**

KIEWIT PROJECT NO.	
21162	
CHA PROJECT NO.	
066076	
DRAWING NO.	
C-301	
DATE	03/04/2022
SH NO	XXX OF XXX

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PROPOSED HDD 9 PLAN VIEW
CONDUIT 2



PROPOSED HDD 9 PROFILE VIEW
CONDUIT 2

Legend	
ASPHALT	Asphalt
CH	Fat CLAY
CL	Lean CLAY
CL-ML	SILTY CLAY
CONCRETE	Concrete
Fill	Fill
GC	CLAYEY GRAVEL
GM	SILTY GRAVEL
Gneiss	Undefined
GP	Poorly Graded GRAVEL
GW	Well Graded GRAVEL
ML	SILT
OL	ORGANIC Lean CLAY
OL/OH	ORGANIC SOIL
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



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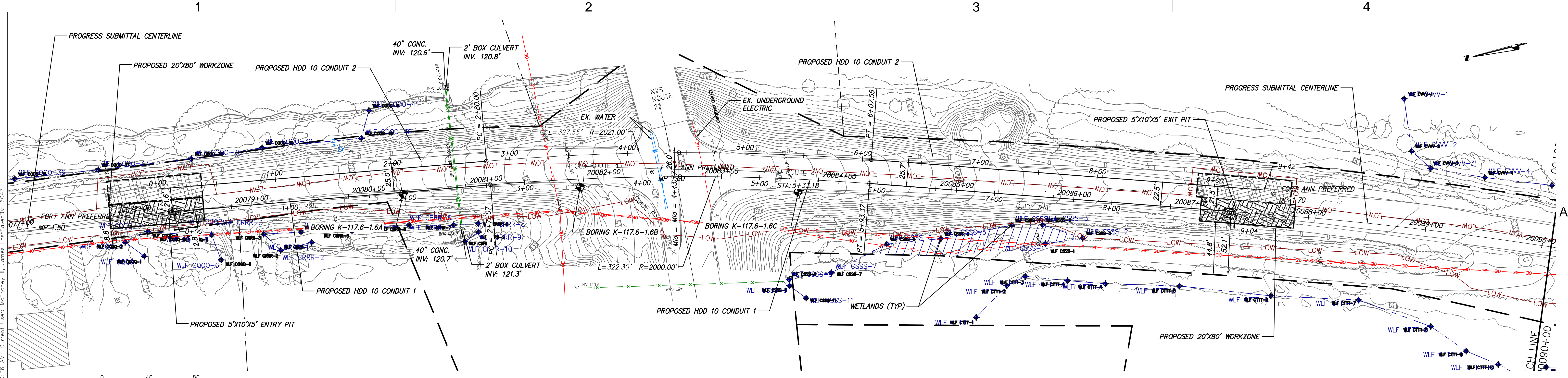
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
D	04/28/2022	60% SUBMISSION	JM	JR
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B	02/23/2022	PROGRESS SUBMISSION	JM	JR
A	01/28/2022	30% SUBMISSION	JM	JR

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PROPOSED PLAN AND PROFILE - HDD 9
CULVERT CROSSING, CONDUIT 2
WHITEHALL, WASHINGTON COUNTY, NY

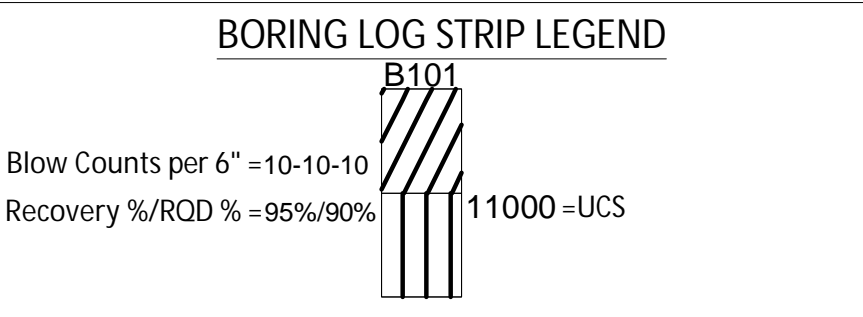
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REV. NO. X SH. NO. XXX OF XXX

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CHA PROJECT NO.	066076
DRAWING NO.	C-301A

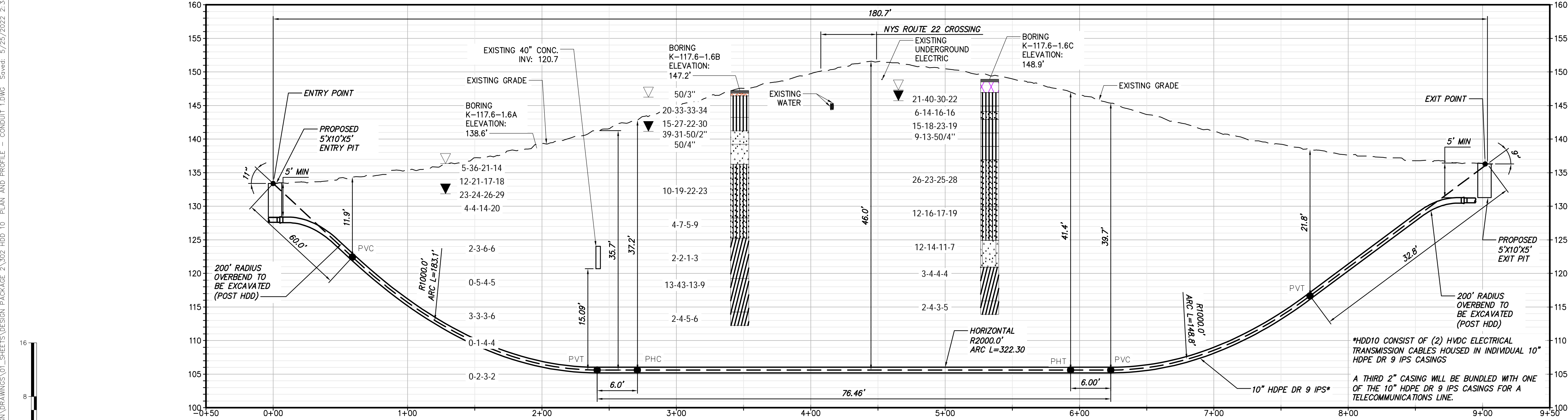
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PROPOSED HDD 10 PLAN VIEW
CONDUIT 1



Legend		
	ASPHALT	Asphalt
	CH	Fat CLAY
	CL	Lean CLAY
	CL-ML	SILTY CLAY
	CONCRETE	Concrete
	FILL	Fill
	GC	CLAYEY GRAVEL
	GM	SILTY GRAVEL
	Gneiss	Undefined
	GP	Poorly Graded GRAVEL
	GW	Well Graded GRAVEL
	ML	SILT
	OL	ORGANIC Lean CLAY
	OL/OH	ORGANIC SOIL
	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



PROPOSED HDD 10 PROFILE VIEW
CONDUIT 1

*HDD10 CONSIST OF (2) HVDC ELECTRICAL TRANSMISSION CABLES HOUSED IN INDIVIDUAL 10" HDPE DR 9 IPS CASINGS
A THIRD 2" CASING WILL BE BUNDLED WITH ONE OF THE 10" HDPE DR 9 IPS CASINGS FOR A TELECOMMUNICATIONS LINE.



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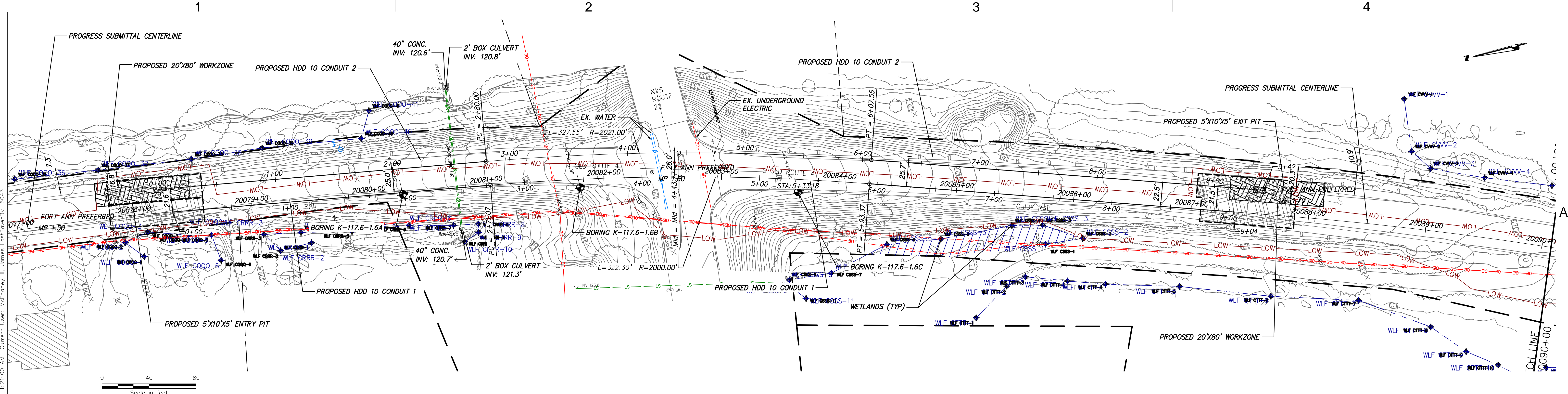
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CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PROPOSED PLAN AND PROFILE - HDD 10
SR 22 CROSSING, CONDUIT 1
FORT ANN, WASHINGTON COUNTY, NY

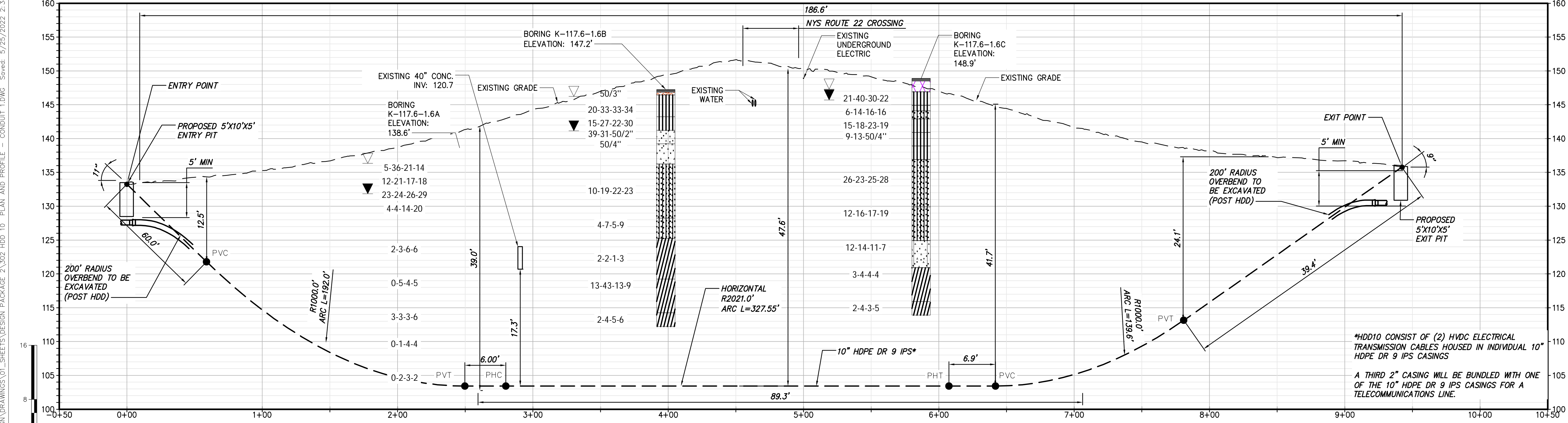
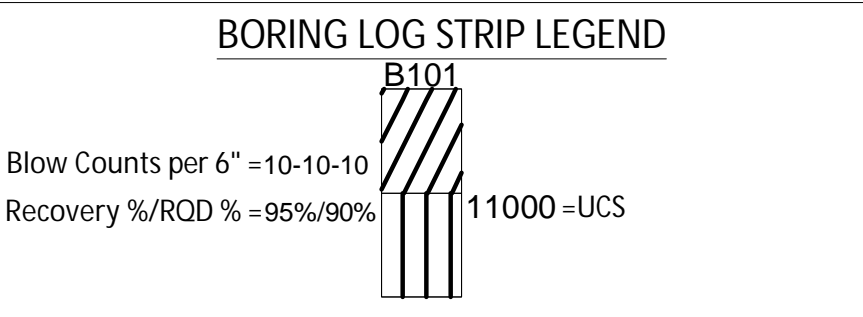
KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	C-302
DATE	03/04/2022
SH.NO.	XXX OF XXX

DRAWN BY: MCS DESIGNED BY: MCS APPROVED BY: JEO SCALE AS NOTED REV. NO. X

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PROPOSED HDD 10 PLAN VIEW
CONDUIT 2



PROPOSED HDD 10 PROFILE VIEW
CONDUIT 2

Legend		
	ASPHALT	Asphalt
	CH	Fat CLAY
	CL	Lean CLAY
	CL-ML	SILTY CLAY
	CONCRETE	Concrete
	FILL	FILL
	GC	CLAYEY GRAVEL
	GM	SILTY GRAVEL
	Gneiss	Undefined
	GP	Poorly Graded GRAVEL
	GW	Well Graded GRAVEL
	ML	SILT
	OL	ORGANIC Lean CLAY
	OL/OH	ORGANIC SOIL
	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



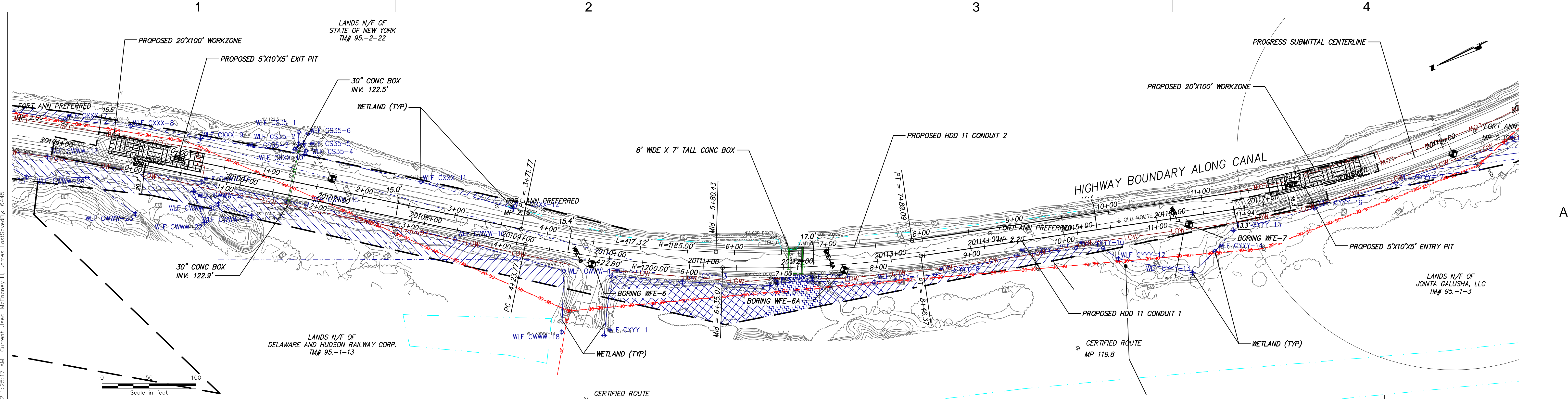
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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP

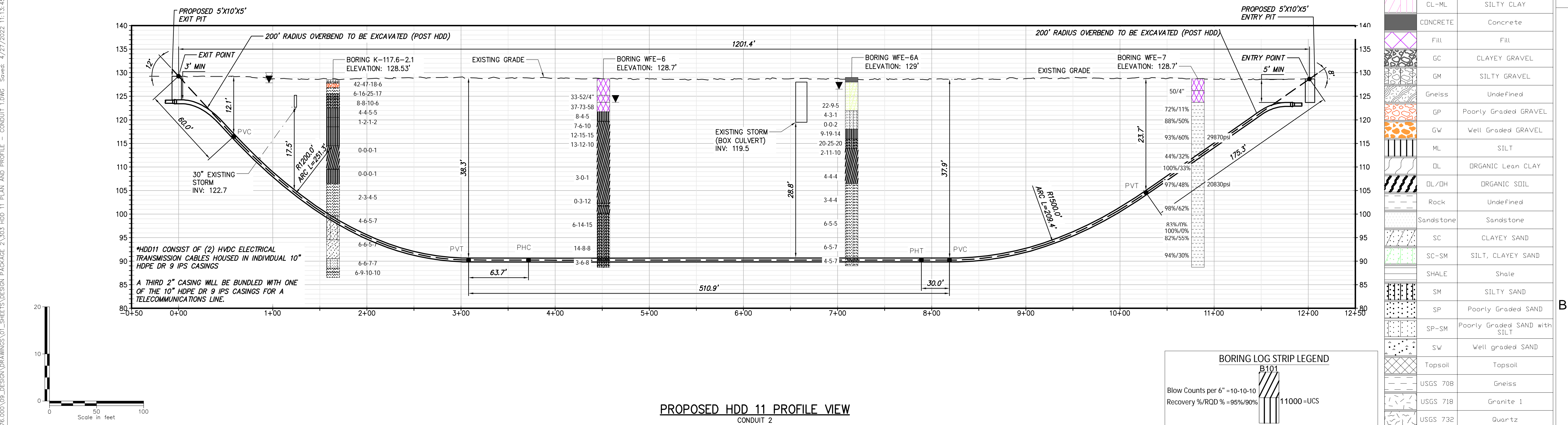
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PROPOSED PLAN AND PROFILE - HDD 10
SR 22 CROSSING, CONDUIT 2
FORT ANN, WASHINGTON COUNTY, NY

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	C-302A
DATE	03/04/2022
SH.NO.	XXX OF XXX

DRAWN BY: MCS DESIGNED BY: MCS APPROVED BY: JEO SCALE AS NOTED REV. NO. X






PROPOSED HDD 11 PLAN VIEW
CONDUIT 2



PROPOSED HDD 11 PROFILE VIEW
CONDUIT 2

Legend		
	ASPHALT	Asphalt
	CH	Fat CLAY
	CL	Lean CLAY
	CL-ML	SILTY CLAY
	CONCRETE	Concrete
	FILL	Fill
	GC	CLAYEY GRAVEL
	GM	SILTY GRAVEL
	Gneiss	Undefined
	GP	Poorly Graded GRAVEL
	GW	Well Graded GRAVEL
	ML	SILT
	OL	ORGANIC Lean CLAY
	OL/DH	ORGANIC SOIL
	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

BORING LOG STRIP LEGEND	
	B101
Blow Counts per 6" = 10-10-10	
Recovery %/ROD % = 95%/90%	
	11000 = UCS



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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP

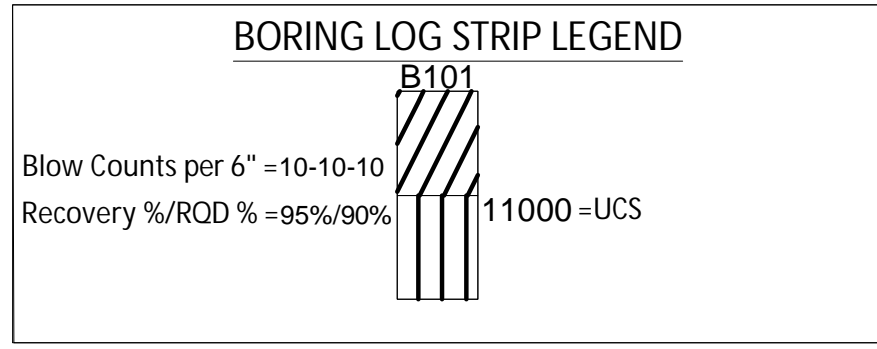
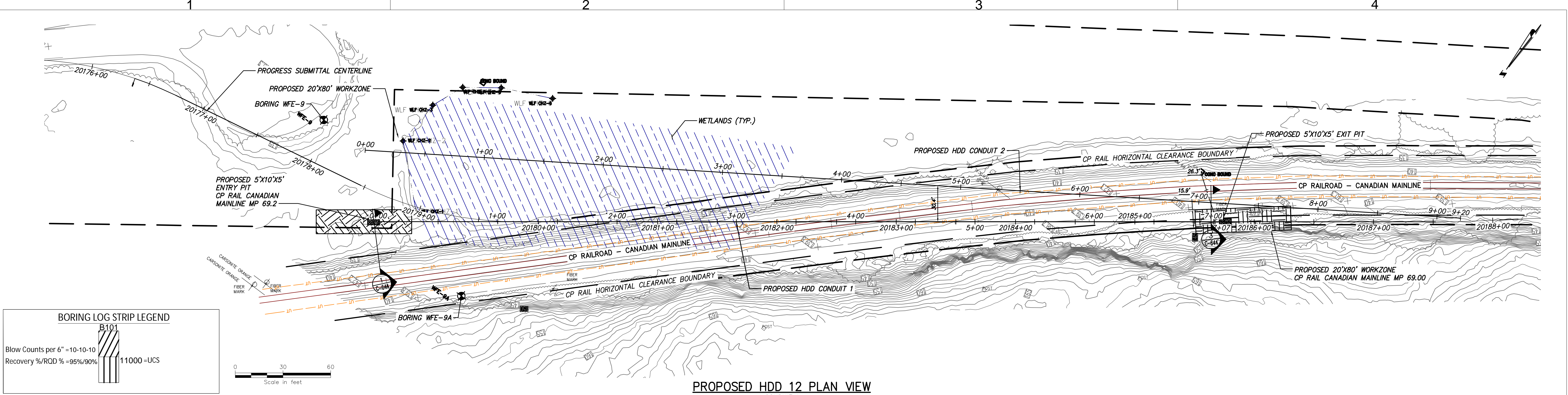
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PROPOSED PLAN AND PROFILE - HDD11
BOX CULVERT CROSSING, CONDUIT 2
FORT ANN, WASHINGTON COUNTY, NY

DRAWN BY: MCS DESIGNED BY: MB APPROVED BY: JEO SCALE AS NOTED
REV. NO. X SH.NO. XXX OF XXX

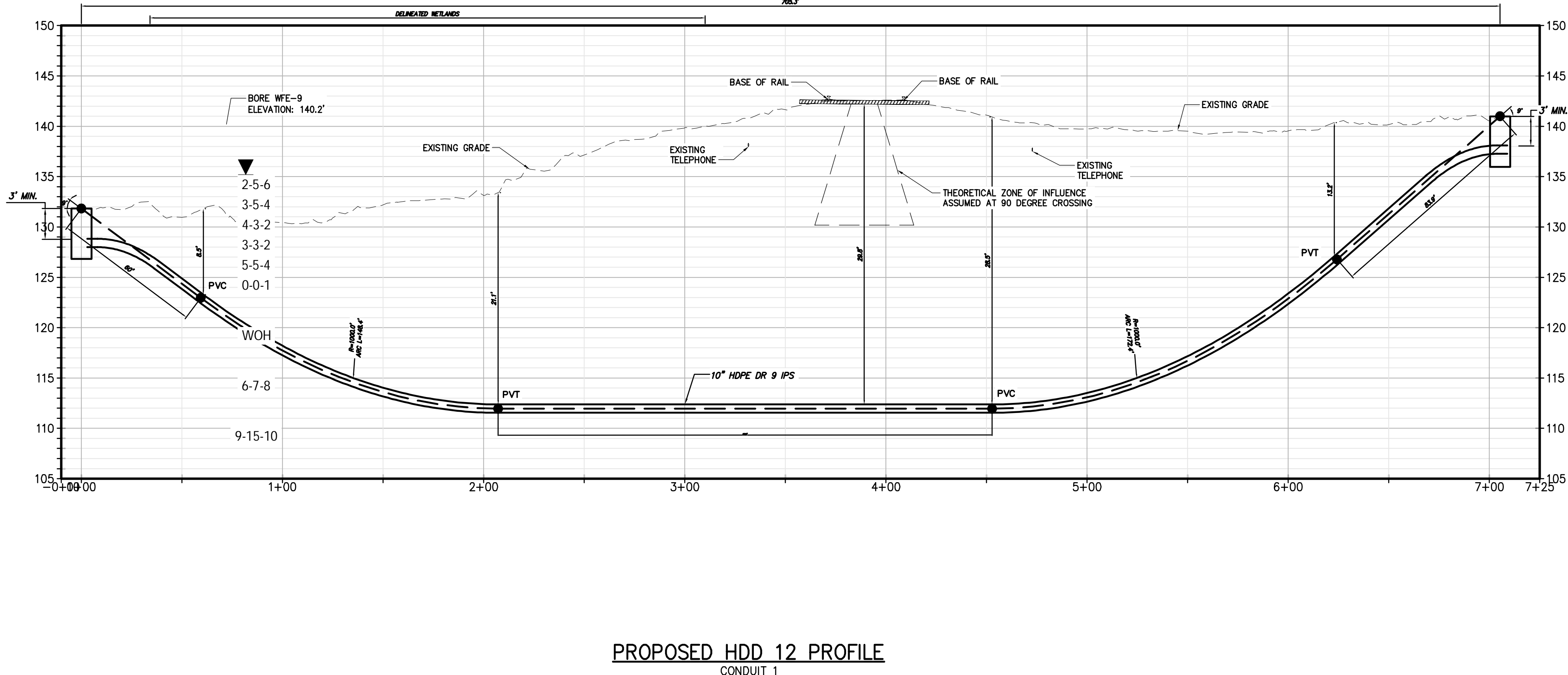
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CHA PROJECT NO. 086076
DRAWING NO. C-303A

DATE 03/04/2022
SH.NO. XXX OF XXX

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Legend		
	ASPHALT	Asphalt
	CH	Fat CLAY
	CL	Lean CLAY
	CL-ML	SILTY CLAY
	CONCRETE	Concrete
	FILL	Fill
	GC	CLAYEY GRAVEL
	GM	SILTY GRAVEL
	Gneiss	Undefined
	GP	Poorly Graded GRAVEL
	GW	Well Graded GRAVEL
	ML	SILT
	OL	ORGANIC Lean CLAY
	OL/OH	ORGANIC SOIL
	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



*HDD12 CONSIST OF (2) HVDC ELECTRICAL TRANSMISSION CABLES HOUSED IN INDIVIDUAL 10" DIAMETER CASINGS

A THIRD 2" CASING WILL BE BUNDLED WITH ONE OF THE 10" CASINGS FOR A TELECOMMUNICATIONS LINE.



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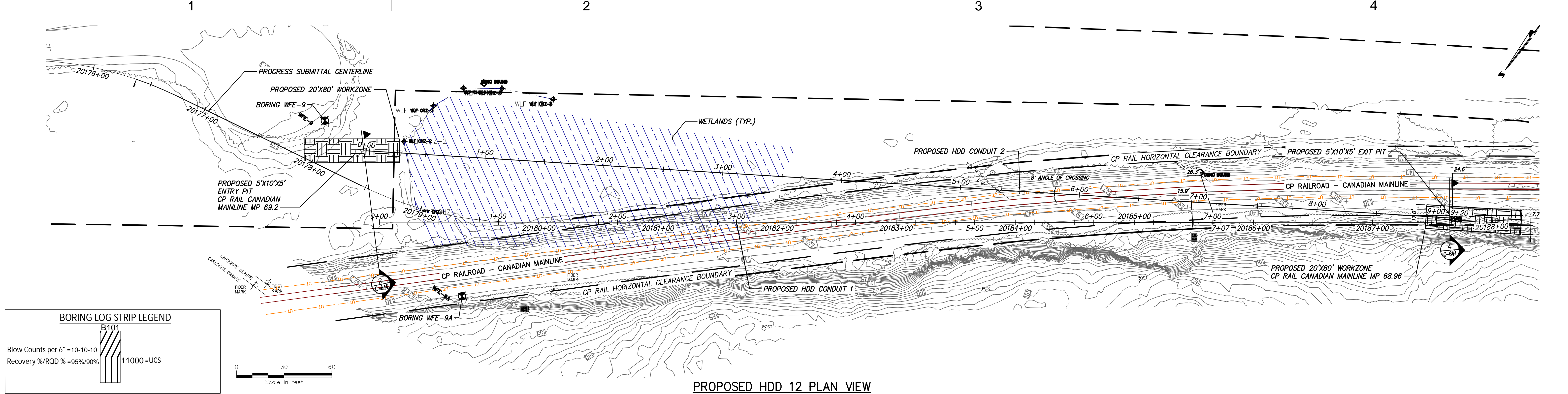
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C	03/04/2022	PROGRESS SUBMISSION	JM	JR
B	02/23/2022	PROGRESS SUBMISSION	JM	JR
A	01/28/2022	30% SUBMISSION	JM	JR

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PROPOSED PLAN AND PROFILE - HDD 12
CP RAILROAD CROSSING, CONDUIT 1
FORT ANN, WASHINGTON COUNTY, NY

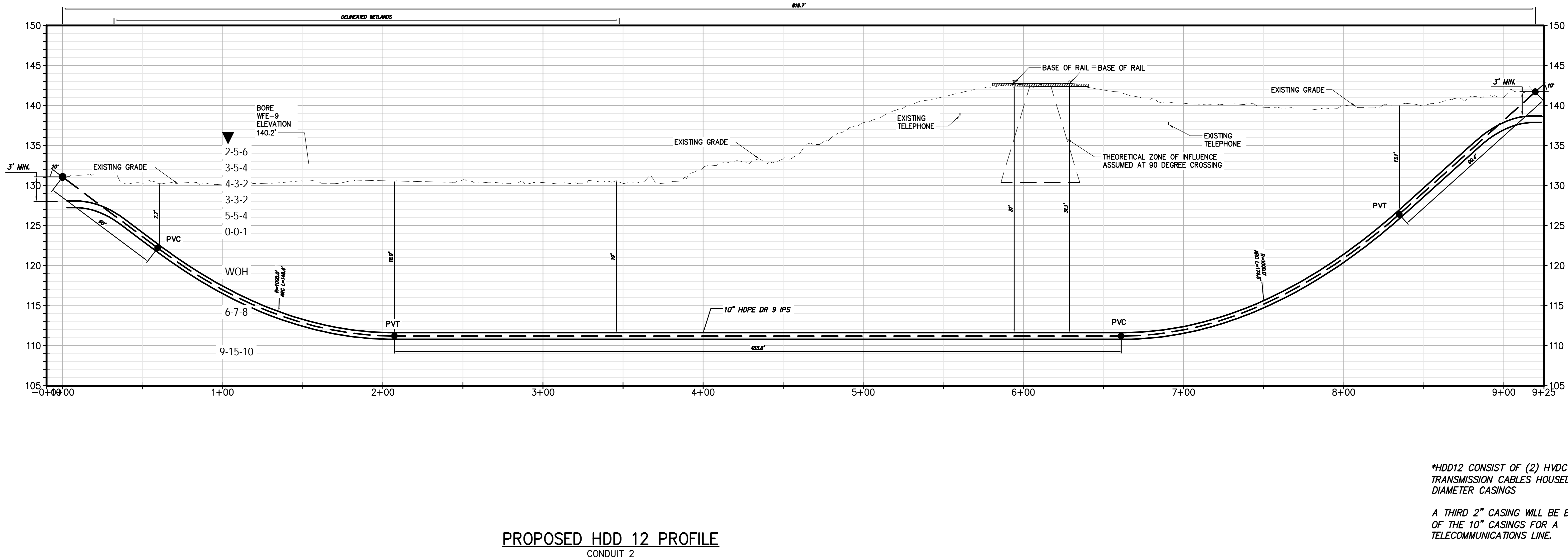
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KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	C-304
DATE	03/04/2022
SH.NO.	XXX OF XXX

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Legend		
	ASPHALT	Asphalt
	CH	Fat CLAY
	CL	Lean CLAY
	CL-ML	SILTY CLAY
	CONCRETE	Concrete
	FILL	Fill
	GC	CLAYEY GRAVEL
	GM	SILTY GRAVEL
	Gneiss	Undefined
	GP	Poorly Graded GRAVEL
	GW	Well Graded GRAVEL
	ML	SILT
	OL	ORGANIC Lean CLAY
	OL/OH	ORGANIC SOIL
	Rock	Undefined
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	SC-SM	SILT, CLAYEY SAND
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	SP-SM	Poorly Graded SAND with SILT
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	Topsoil	Topsoil
	USGS 708	Gneiss
	USGS 718	Granite 1
	USGS 732	Quartz



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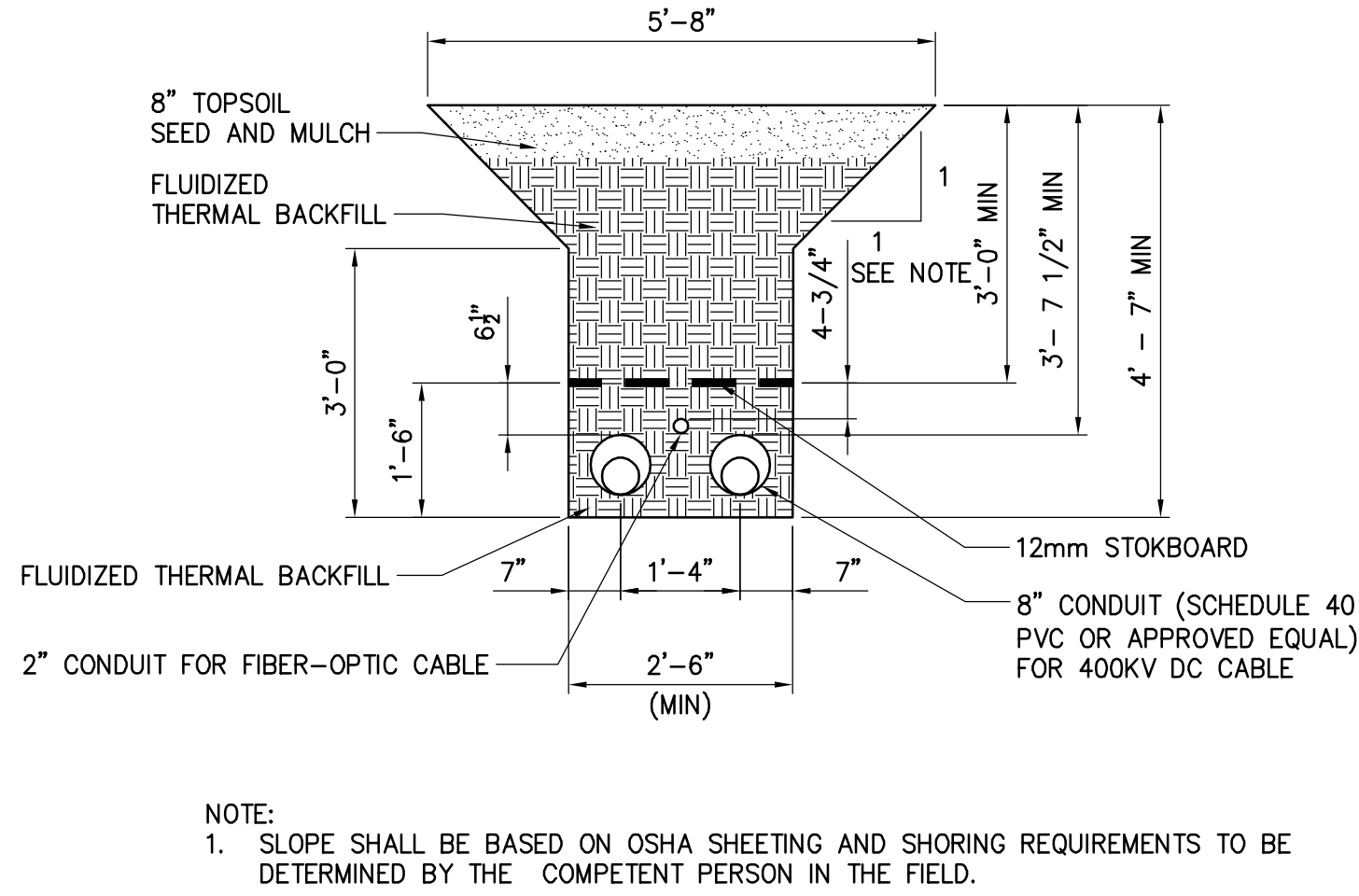
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C	03/04/2022	PROGRESS SUBMISSION	JM	JR
B	02/23/2022	PROGRESS SUBMISSION	JM	JR
A	01/28/2022	30% SUBMISSION	JM	JR

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PROPOSED PLAN AND PROFILE - HDD 12
CP RAILROAD CROSSING, CONDUIT 2
FORT ANN, WASHINGTON COUNTY, NY

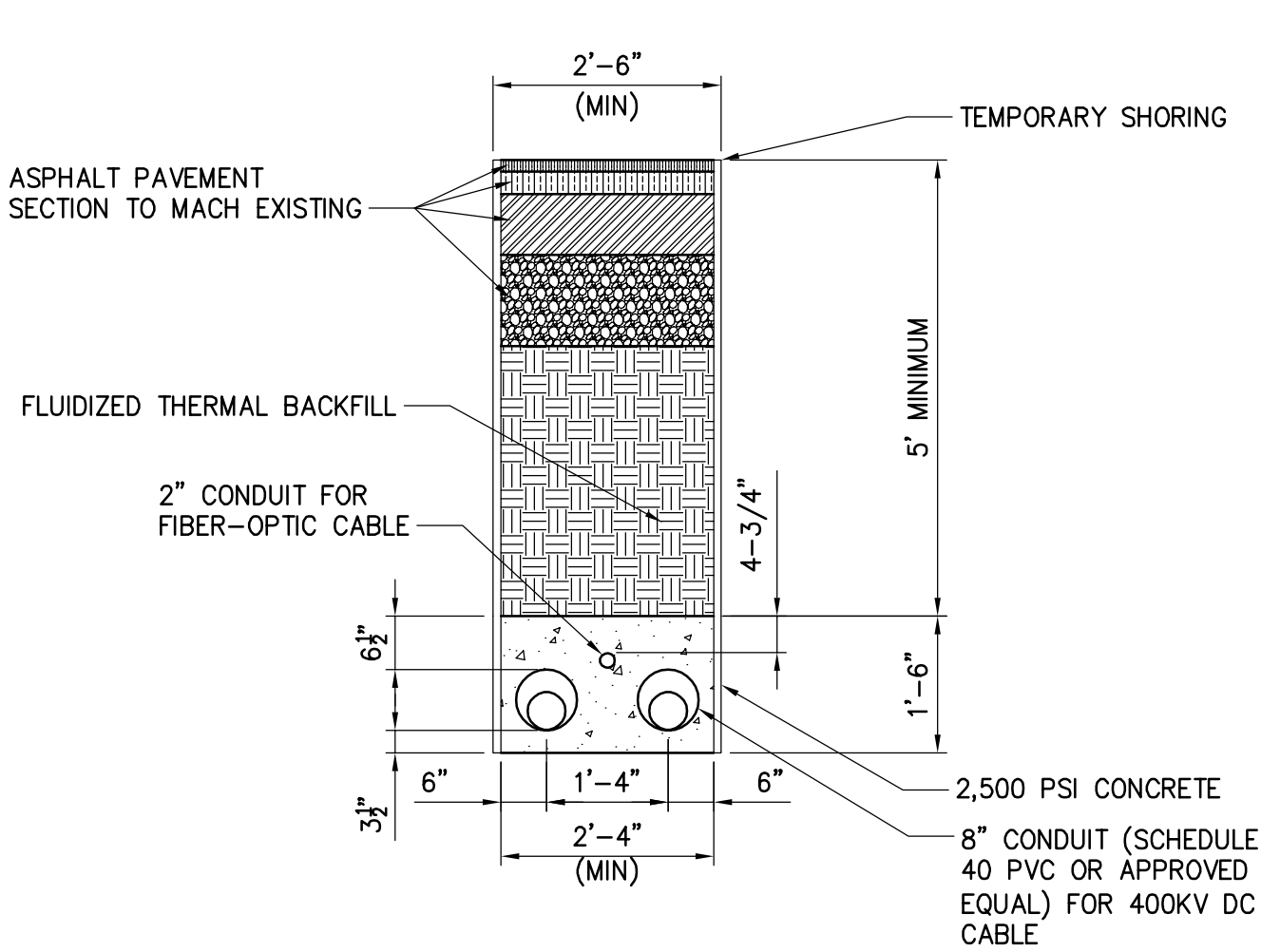
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						REV. NO.	X	SH.NO.	XXX OF XXX

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CHA PROJECT NO.	066076
DRAWING NO.	C-304A
DATE	03/04/2022
SH.NO.	XXX OF XXX

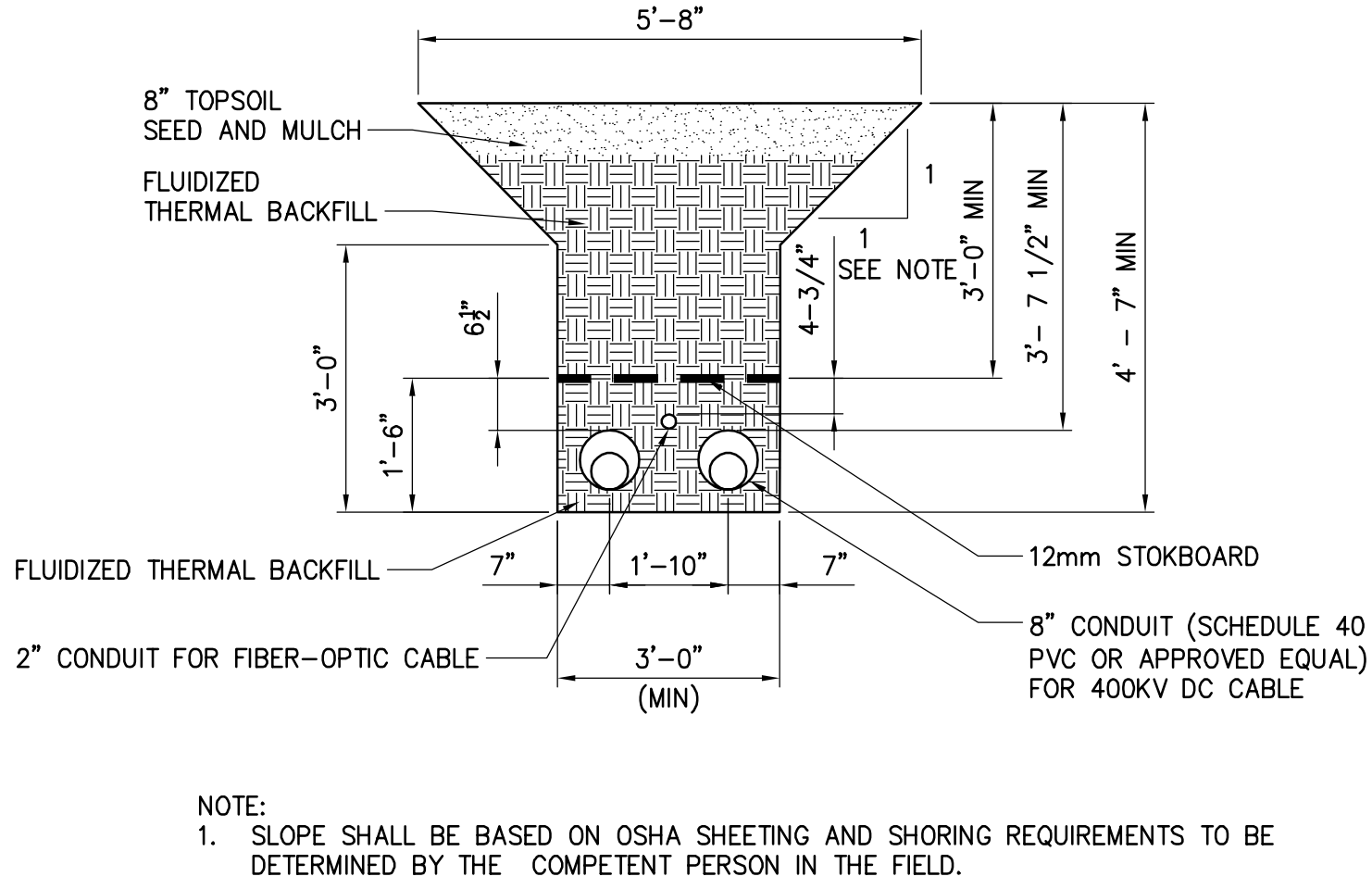
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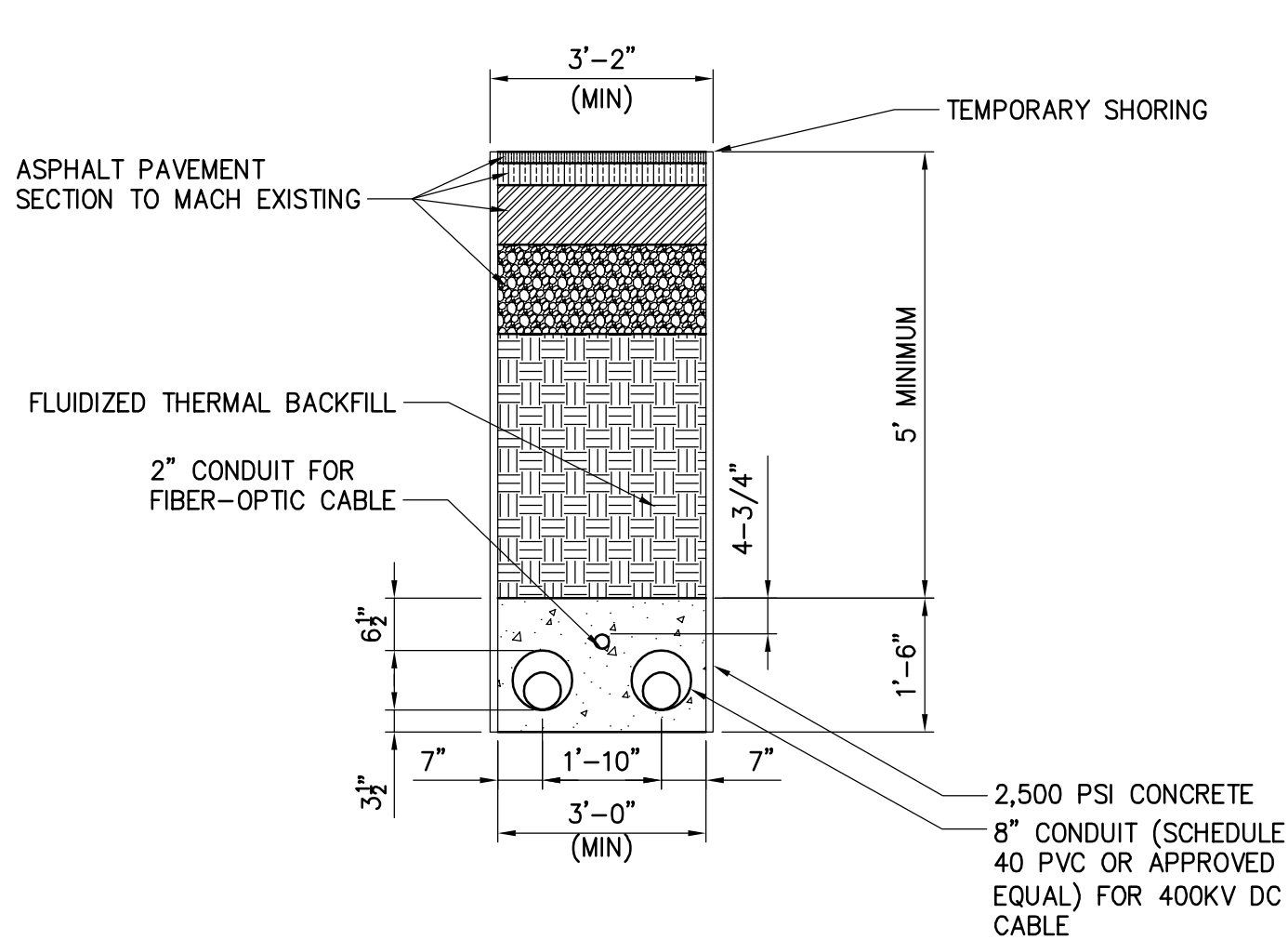
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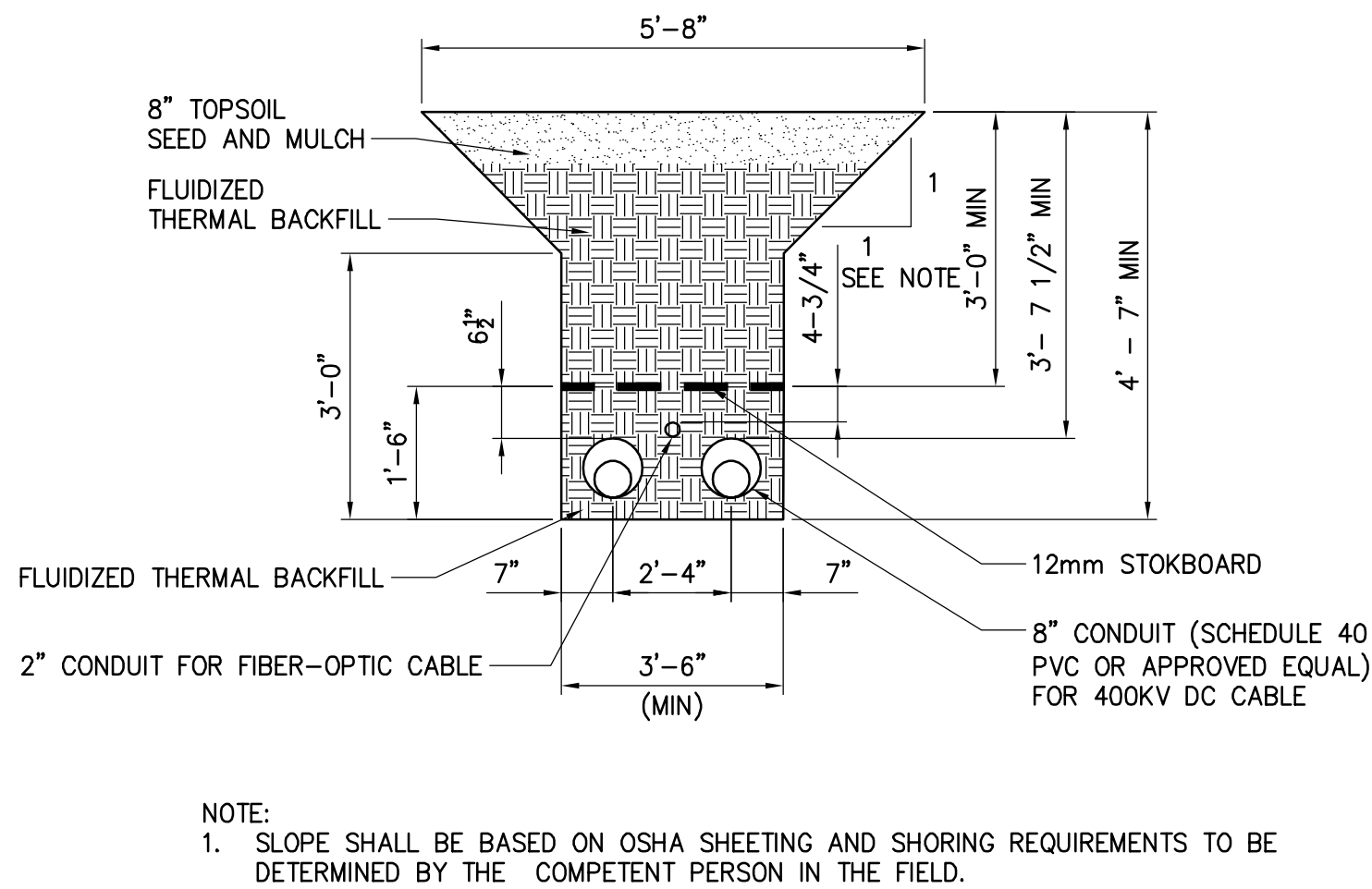
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(30" WIDTH, 16" CENTER TO CENTER SPACING)
NOT TO SCALE



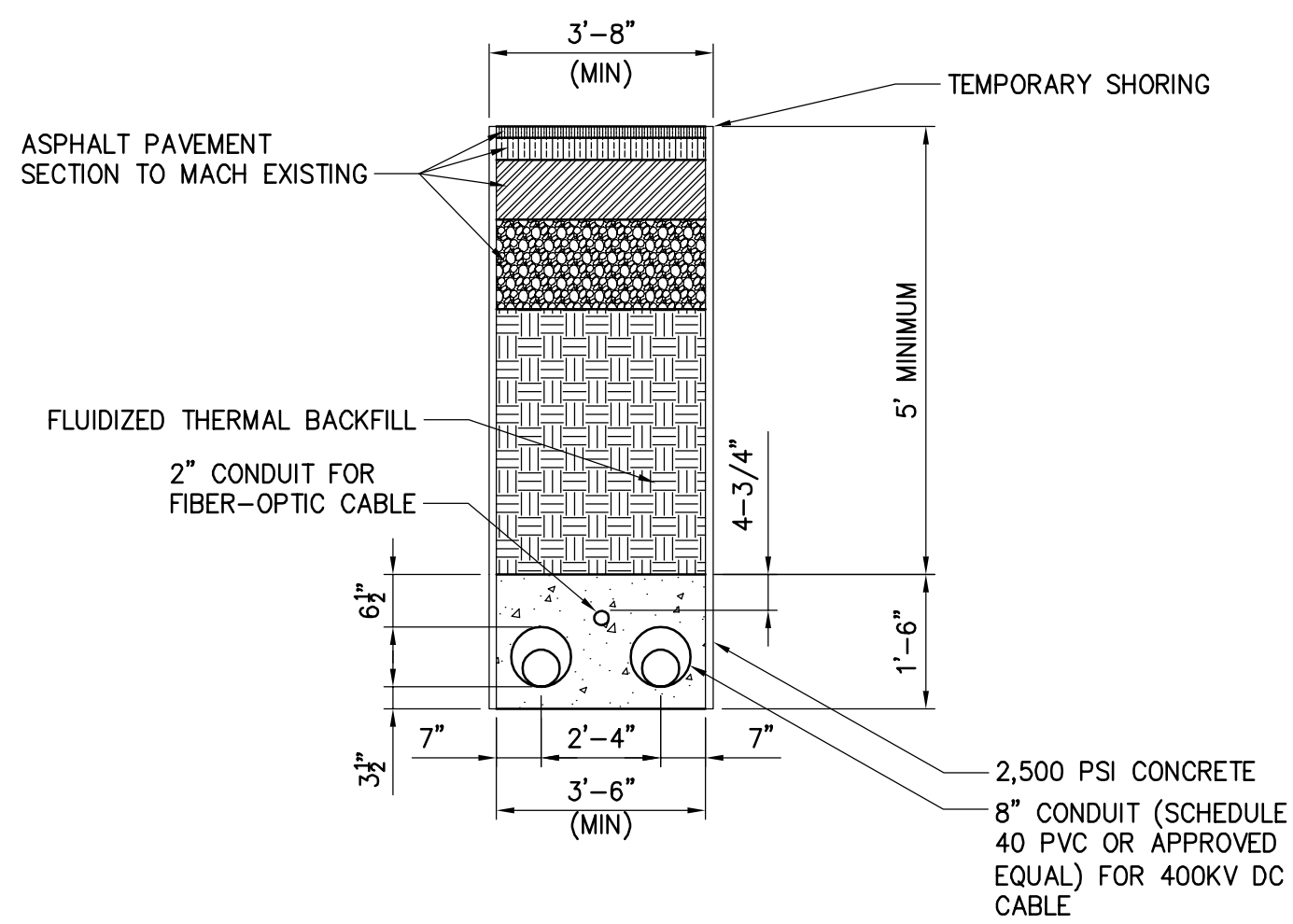
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NOT TO SCALE



4 TYPICAL DUCTBANK IN ROADWAY
(36" WIDTH, 22" CENTER TO CENTER SPACING)
NOT TO SCALE



4 OPEN TRENCH (42" WIDTH, 28" CENTER TO CENTER SPACING)
NOT TO SCALE



5 TYPICAL DUCTBANK IN ROADWAY
(42" WIDTH, 28" CENTER TO CENTER SPACING)
NOT TO SCALE



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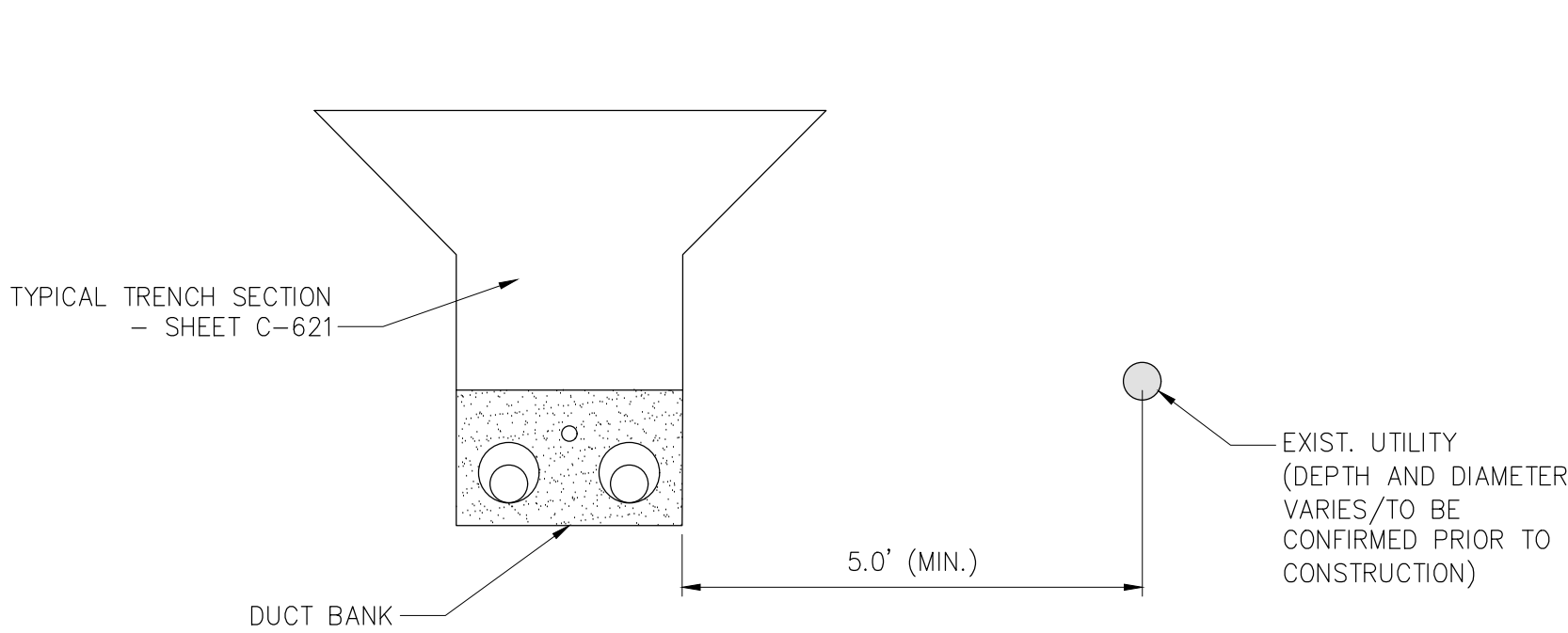
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B	02/23/2022	PROGRESS SUBMISSION	JM	JR	
A	01/28/2022	30% SUBMISSION	JM	JR	
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	

CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY TRENCH CROSS SECTION DETAILS

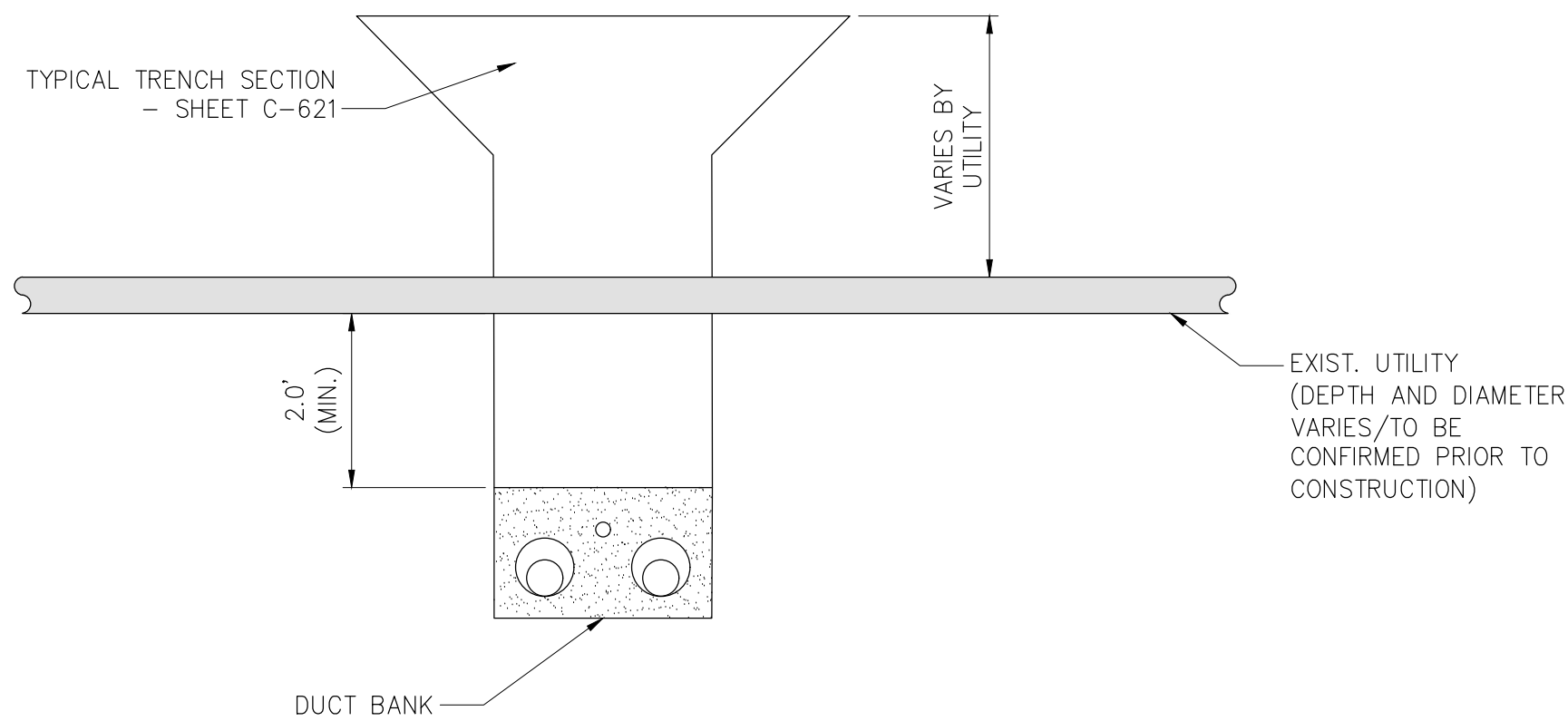
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REV. NO. X SH. NO. XXX OF XXX

KIEWIT PROJECT NO.
21162
CHA PROJECT NO.
066076
DRAWING NO.
C-621

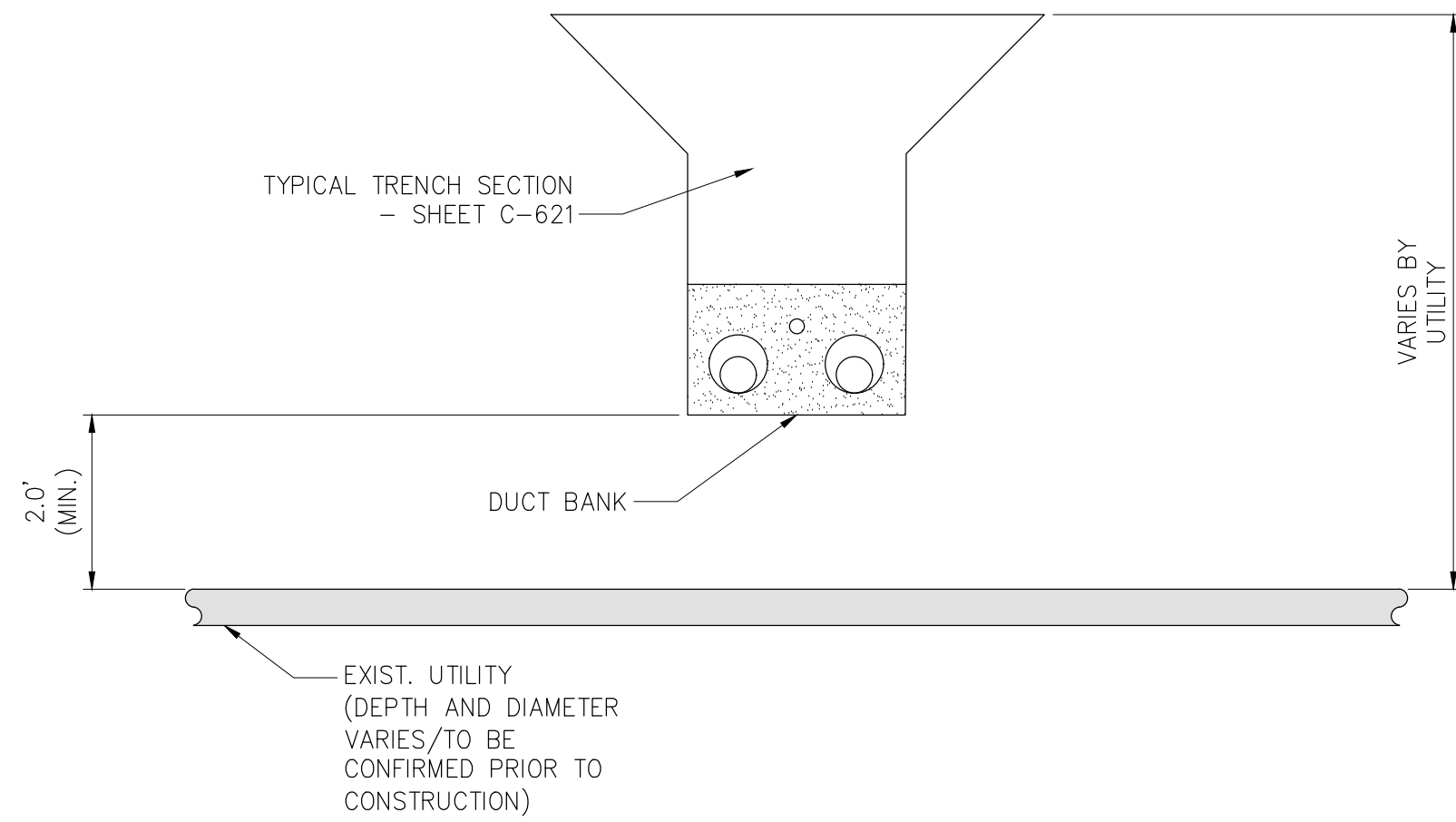
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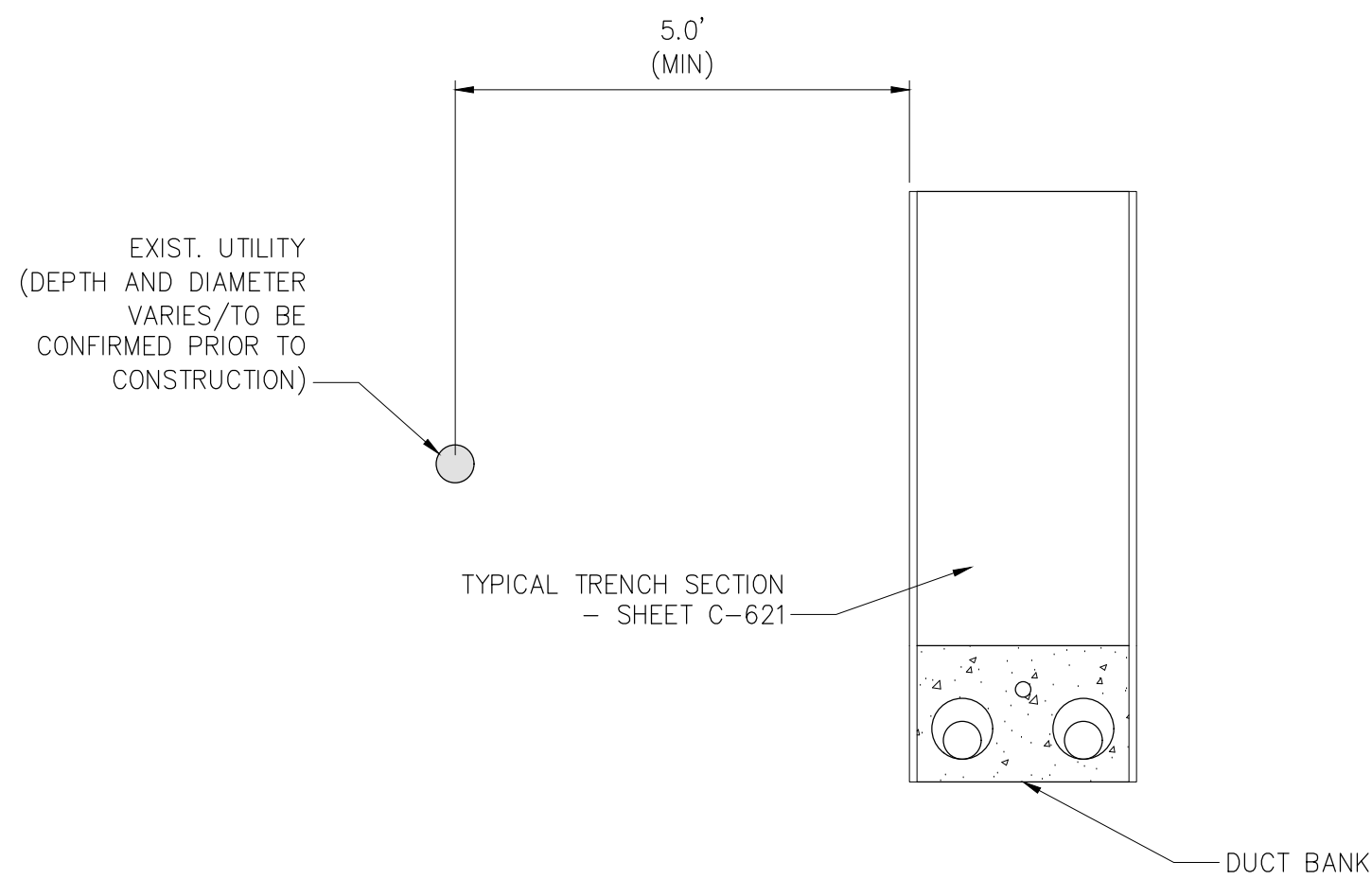
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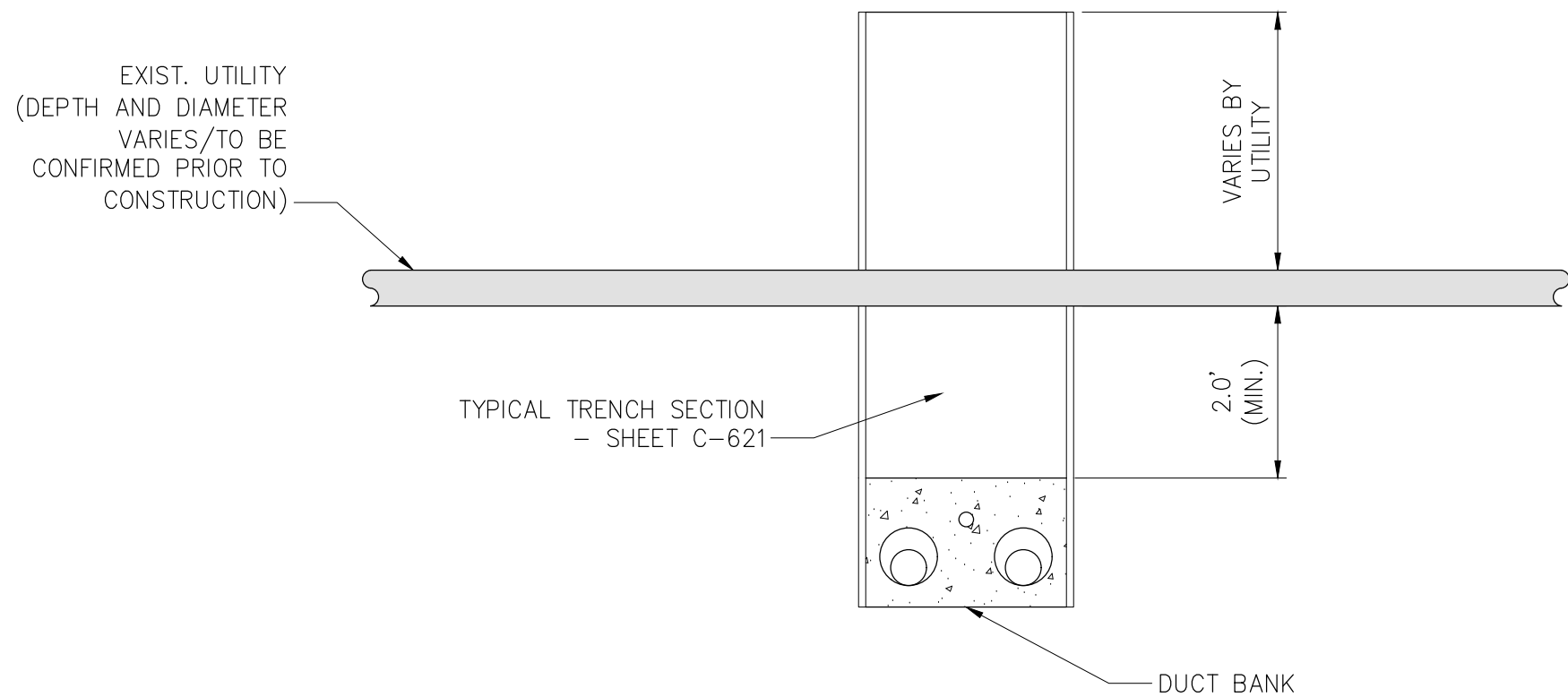
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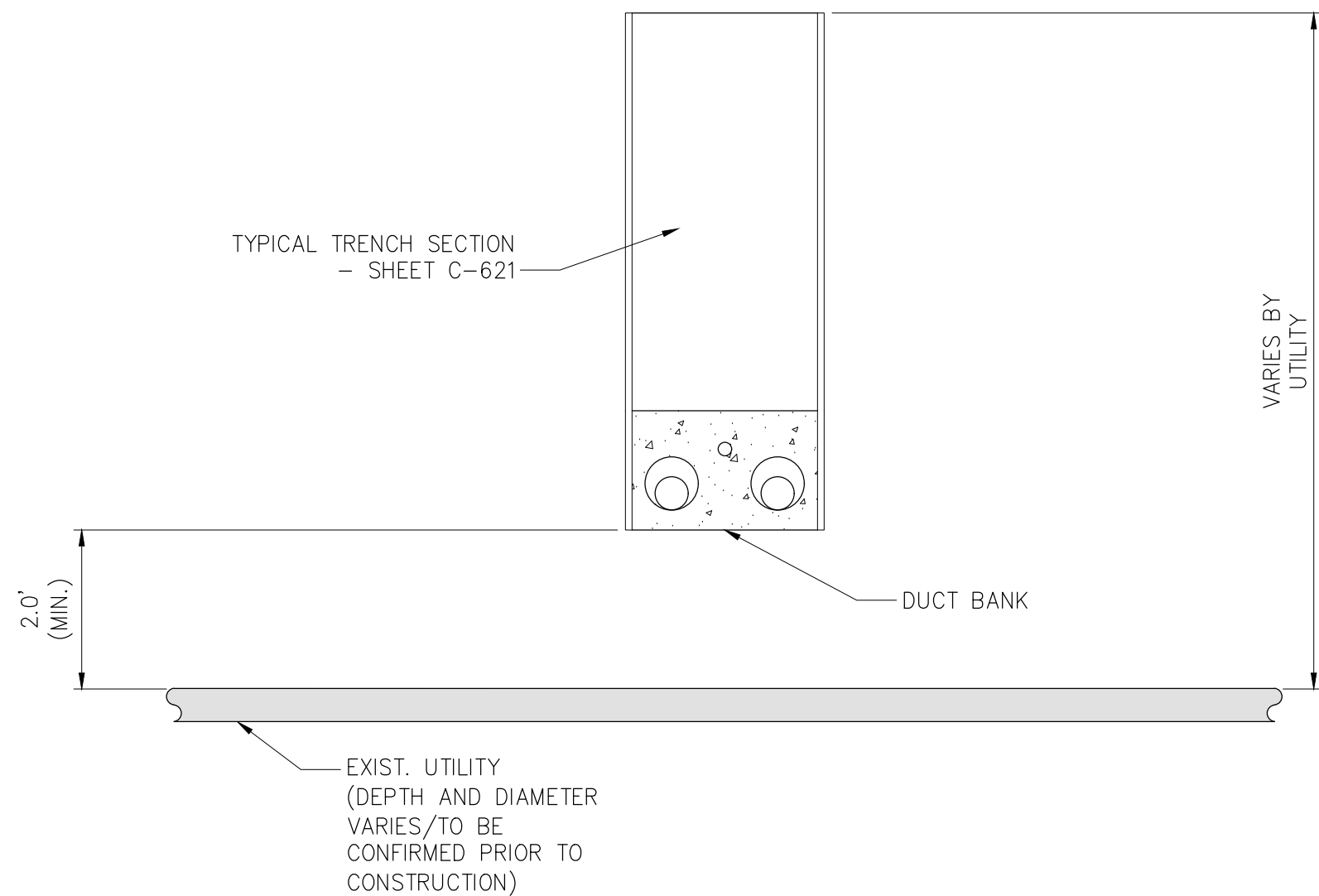
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NOT TO SCALE



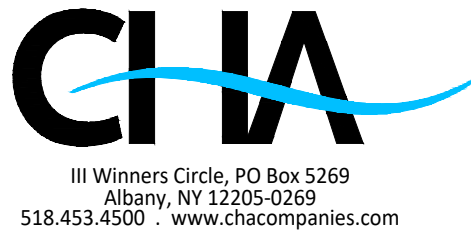
2 TYPICAL DUCTBANK IN ROADWAY - HORIZONTAL SEPARATION
NOT TO SCALE



4 TYPICAL DUCTBANK IN ROADWAY - VERTICAL SEPARATION (UNDER)
NOT TO SCALE



6 TYPICAL DUCTBANK IN ROADWAY - VERTICAL SEPARATION (OVER)
NOT TO SCALE



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G	06/20/2022	PROGRESS SUBMISSION	JM	JR
F	05/06/2022	PROGRESS SUBMISSION	JM	JR
E	03/17/2022	PROGRESS SUBMISSION	JM	JR
D	02/04/2022	PROGRESS SUBMISSION	JM	JR
C	01/28/2022	PROGRESS SUBMISSION	JM	JR
B	12/21/2021	PROGRESS SUBMISSION	JM	JR
A	11/02/2021	30% SUBMISSION	JM	JR
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
UTILITY TYPICAL
SEPARATION DETAILS

DRAWN BY:	wso	DESIGNED BY:	wso	APPROVED BY:		SCALE	AS NOTED	DATE	06/20/2022
						REV. NO.	A	SH.NO.	XXX OF XXX

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	C-901

CHAMPLAIN HUDSON POWER EXPRESS

SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY

WASHINGTON COUNTY, NEW YORK

CI OWNER SUBMISSION

(July 14, 2022)

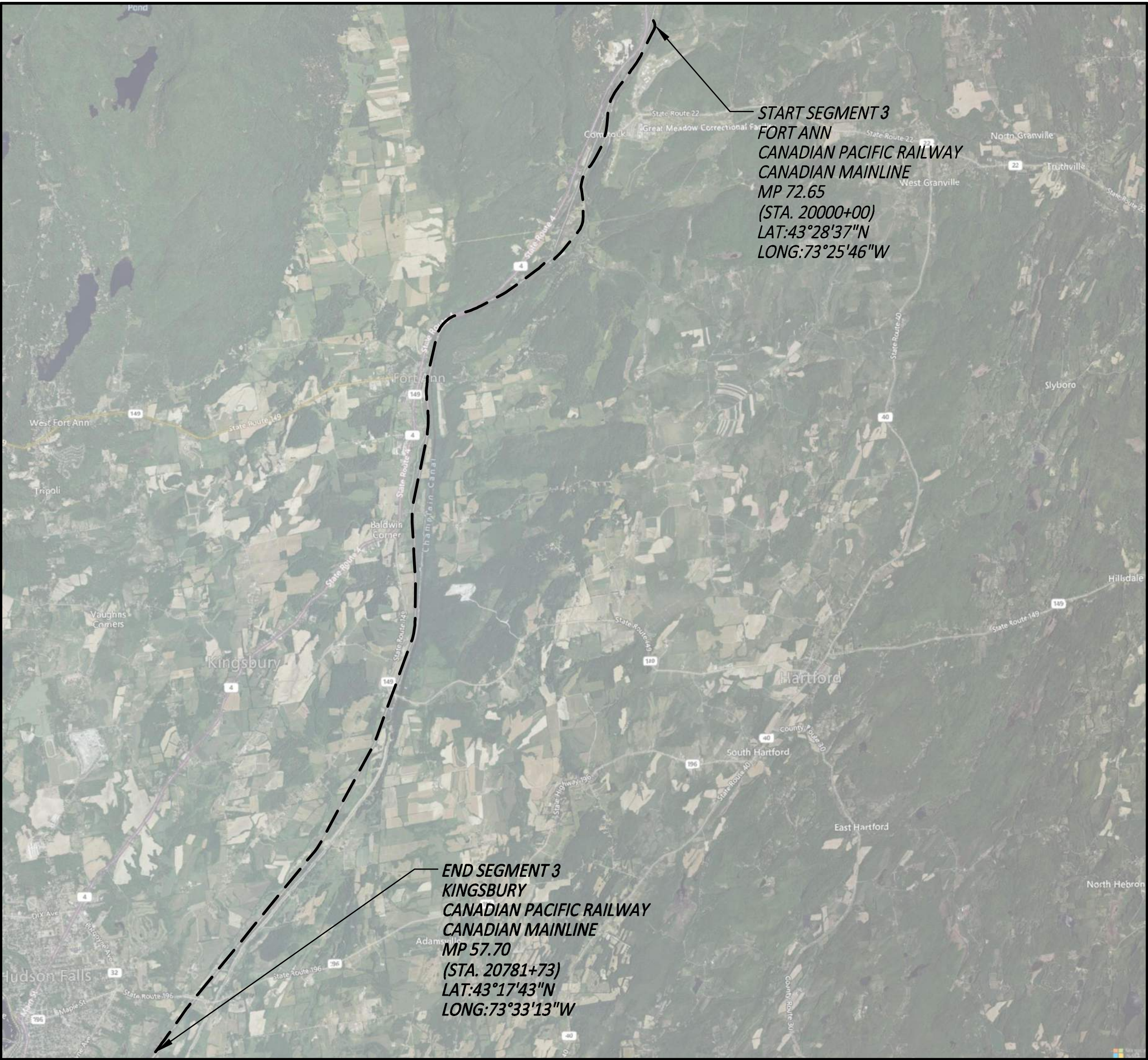
NOTES TO CO-LOCATED INFRASTRUCTURE REVIEWERS:

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.

Based on current documentation, we do not believe the jurisdiction owns assets within the project limits. However, we presenting the project limits within proximity to the Town to provide an opportunity for review and comment on underground crossing(s) and/or parallel interactions with the Town's maintained assets. Specific details applicable to each crossing are currently being developed and will depend on depth identified in the field of existing co-located infrastructure and other site conditions. 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.



SITE LOCATION MAP
SCALE: 1" = 5000'



Note: This is a copy of the Plan and Profiles that were provided to the Town of Fort Ann

NOT FOR CONSTRUCTION



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C	03/04/2022	PROGRESS SUBMISSION	JM	JR	
B	02/23/2022	PROGRESS SUBMISSION	JM	JR	
A	01/28/2022	30% SUBMISSION	JM	JR	
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
COVER SHEET

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	G-000
DATE	03/04/2022
SH.NO.	XXX OF XXX

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

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SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
PACKAGE 2: 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
PACKAGE 2: PLAN AND PROFILE SHEETS	
C-101-C-126	STA: 20000+00 TO 20390+00 PLAN AND PROFILE
PACKAGE 2: HDD TRENCHLESS SHEETS	
C-301-C-307	PROPOSED PLAN AND PROFILE HDD9-HDD14
PACKAGE 2: DETAILS	
C-601-C-602	EROSION & SEDIMENT CONTROL DETAILS
C-621	TRENCHING DETAILS
C-631	SURFACE RESTORATION DETAILS
C-901	UTILITY TYPICAL SEPARATION DETAILS



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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
SHEET INDEX

DRAWN BY: JTMDESIGNED BY: JTMAPPROVED BY: JPRSCALE AS NOTED XREV. NO.

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	G-001
DATE	03/04/2022
SH.NO.	XXX OF XXX

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EROSION CONTROL NOTES

1. LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES.
2. THE GENERAL CONTRACTOR SHALL STRICTLY ADHERE TO THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) DURING CONSTRUCTION OPERATIONS.
3. 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)
4. SITE DISTURBANCE SHALL NOT EXCEED FIVE (5) ACRES OF SOIL AT ANY ONE TIME WITHOUT PRIOR WRITTEN AUTHORIZATION FROM NYSDEC.
5. ALL EXPOSED AREAS SHALL BE SEEDED AND MULCHED AS SPECIFIED WITHIN 7 DAYS OF FINAL GRADING.
6. INACTIVE PORTIONS OF THE SITE ARE TO BE SEEDED AND MULCHED AS SPECIFIED WITHIN 7 DAYS.
7. 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.
8. 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.
9. GENERAL CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.
10. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY FOLLOWING SITE INSPECTION.
11. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.
12. 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.

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 REQUIRED 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 AND COORDINATE WORK WITH ALL OTHER CONTRACTS FOR THE SITE.
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.

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.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK AND SHALL SUBMIT A DEWATERING PLAN DESIGNED AND SEALED BY A NEW YORK STATE PROFESSIONAL ENGINEER. 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. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL FIELD LAYOUT. THE CONTRACTOR SHALL TAKE TIES TO ALL UTILITY CONNECTIONS AND PROVIDE MARKED-UP AS-BUILT PLANS FOR ALL UTILITIES SHOWING TIES TO CONNECTIONS, BENDS, VALVES, LENGTHS OF LINES, AND INVERTS. AS-BUILT PLANS SHOWING ALL UNDERGROUND UTILITIES INSTALLED OR ENCOUNTERED SHALL BE REVIEWED BY THE OWNER AND HIS REPRESENTATIVES. THE CONTRACTOR SHALL PROVIDE ANY CORRECTION OR ADMISSIONS TO THE SATISFACTION OF THE OWNER AND HIS REPRESENTATIVES BEFORE UTILITIES WILL BE ACCEPTED.
16. TEMPORARY PAVEMENT SHALL BE PLACED WITHIN 48 HOURS OF COMPLETION OF BACKFILL OPERATIONS WITHIN THE EXISTING PAVEMENT LIMITS.
17. CONTRACTOR SHALL MAINTAIN ALL TRAFFIC IN ALL AREAS IN ACCORDANCE WITH THE NYSDOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
18. ALL EXCAVATIONS SHALL BE PROTECTED AT THE END OF EACH WORK DAY.
19. CONTRACTOR SHALL TAKE CARE TO PREVENT DAMAGE TO EXISTING UTILITIES. DAMAGED UTILITIES SHALL BE IMMEDIATELY REPAIRED BY CONTRACTOR AT THE CONTRACTOR'S EXPENSE.



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CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
GENERAL NOTES

DRAWN BY:	xxx	DESIGNED BY:	xxx	APPROVED BY:	xxx	SCALE	AS NOTED	DATE	03/04/2022
						REV. NO.		SH.NO.	xxx OF xxx

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	G-002

LEGEND & ABBRIVIATIONS

	EXIST. FIBER OPTIC LINE HANDHOLE		EXISTING SIGN
	EXIST. FIBER OPTIC LINE PEDESTAL		EXIST. STRUCTURE POST
	EXIST. FIBER OPTIC LINE DOGHOUSE		EXIST. STRUCTURE MAILBOX
	EXIST. FIBER OPTIC LINE MANHOLE		EXIST. WETLAND FLAG
	EXIST. FIBER OPTIC LINE VAULT		EXIST. GAS LINE
	EXIST. FIBER OPTIC LINE BORE PIT		EXIST. UNDERGROUND TELE.
	EXIST. FIBER OPTIC LOCK BOX		EXIST. FIBER OPTIC
	EXIST. GROUND ROD		EXIST. OVERHEAD TELE.
	EXIST. FIBER OPTIC MARKER POST		EXIST. UNDERGROUND ELEC.
	EXIST. FIBER STORAGE		EXIST. OVERHEAD ELEC.
	EXIST. FIRE HYDRANT		EXIST. CULVERT
	EXIST. WATER VALVE		EXIST. SANITARY SEWER
	EXIST. WATER MANHOLE		EXIST. STORM SEWER
	EXIST. WATER MARKER		EXIST. POTABLE WATER LINE
	EXIST. SANITARY SEWER MANHOLE		EXIST. RAILROAD TRACK
	EXIST. SANITARY SEWER VENT		EXIST. WETLANDS
	EXIST. STORM SEWER MANHOLE		CERTIFIED ROUTE PROVIDED BY CHPE KMZ
	EXIST. STORM SEWER CATCH BASIN		EXIST. CONTOUR, INDEX
	EXIST. CULVERT INVERT		EXIST. CONTOUR, DEPRESSION INDEX
	EXIST. GAS MANHOLE		EXIST. CONTOUR, INTERMEDIATE
	EXIST. GAS VALVE		EXIST. CONTOUR, DEPRESSION INTERMEDIATE
	EXIST. GAS MARKER		EXIST. SPOT ELEVATION
	EXIST. GAS PIPELINE VENT		EXIST. CULTURAL DEBRIS
	EXIST. LIGHT POLE		EXIST. CULTURAL FIELD LINE
	EXIST. UTILITY POLE		EXIST. CULTURAL LANDSCAPE AREA
	EXIST. ELEC. POLE		EXIST. CULTURAL PILE
	EXIST. TRAFFIC LIGHT		EXIST. CULTURAL STORAGE AREA
	EXIST. ELEC. METER		EXIST. HYDROGRAPHIC
	EXIST. ELEC. MANHOLE		EXIST. CULVERT
	EXIST. ELEC. TRANSFORMER		EXIST. INUNDATED AREA
	EXIST. ELEC. VAULT		EXIST. RIP-RAP
	EXIST. ELEC. HANDHOLE		EXIST. STREAM
	EXIST. ELEC. PEDESTAL/BOX		EXIST. SWAMP
	EXIST. ELEC. MARKER POST		WATER LEVEL
	EXIST. ELEC. GUY ANCHOR/WIRE		EXIST. NATURAL BOULDER
	EXIST. TELE. RISER/BOX		EXIST. NATURAL SHRUB LINE
	EXIST. TELE. MANHOLE		EXIST. NATURAL TREE LINE
	EXIST. TELE. HANDHOLE		EXIST. NATURAL SINGLE TREE/BUSH
	EXIST. TELE. VAULT		EXIST. STRUCTURAL BUILDING
	EXIST. TELE. PEDESTAL		EXIST. PAVED DRIVE
	EXIST. TELE. DOGHOUSE		EXIST. PAVED ROAD
	EXIST. TELE. MARKER POST		EXIST. PAVED SHOULDER
	EXIST. TELE. JUNCTION BOX		EXIST. PAVED SIDEWALK
	EXIST. TRAFFIC SIGNAL BOX		EXIST. GUARDRAIL
	EXIST. CELL TOWER		EXIST. RAILROAD
	EXIST. CABLE BOX		EXIST. TRAIL
	EXISTING MANHOLE UNKNOWN		EXIST. FENCE
	EXISTING UTILITY BOX UNKNOWN		EXIST. WALL
	EXISTING ANTENNA		EXIST. RETAINING WALL
	EXISTING CAPPED IRON ROD		EXIST. RIGHT-OF-WAY
	EXISTING IRON PIPE		EXIST. ABUTTER
	EXISTING CONCRETE MONUMENT		
	EXISTING POST		
	EXISTING REFLECTOR MARKER		
	EXISTING SYMBOL		

SURVEY NOTES:

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

SUBSURFACE UTILITY ENGINEERING NOTES:

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

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

PEM – PALUSTRINE EMERGENT	APP – APPROVED
PSS – PALUSTRINE SCRUB-SHRUB	CL – CENTERLINE
PFO – PALUSTRINE FORESTED	CMP – CORRUGATED METAL PIPE
PUB – PALUSTRINE UNCONSOLIDATED BOTTOM	CONC – CONCRETE
L1 – LACUSTRINE LIMNETIC	DB – DESIGNED BY
L2 – LACUSTRINE LITTORAL	DEC – NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
PROP. NYSDEC FWW 100-FOOT ADJACENT AREA	DEG – DEGREES
PROP. GIS – WETLAND	DR – DRIVE
PROP. JD BOUNDARY	DZ – DEVIATION ZONE
PROP. WETLAND PROTECTION FENCE	E – EASTING
PROP. COMPOST FILTER SOCK (OR SILT SOCK)	ELECTRIC – ELECTRIC CABLE
PROP. LIMITS OF WORK/DISTURBANCE	ELEV – ELEVATION
PROP. LIMITS OF CLEARING/LIMITS OF WORK IN CLEARING AREAS	FIBER – FIBER OPTIC CABLE
PROP. CONCRETE WASHOUT	FT – FEET
PROP. ACCESS ROAD ROUTE (EXISTING ROAD OR SURFACE)	GAS – GAS PIPE
PROP. REFURBISHED ACCESS ROAD	H – HORIZONTAL
PROP. ACCESS ROAD OR OFF SITE ACCESS ROAD	HDD – HORIZONTAL DIRECTIONAL DRILLING
PROP. TIMBER MATTING ACCESS ROAD	HVDC – HIGH-VOLTAGE DIRECT CURRENT TRANSMISSION LINE
PROP. SPLICE LOCATION	INV – INVERT ELEVATION
PROP. SPLICE VAULT	LOW – LIMITS OF WORK
PROP. LINK BOX HANDHOLE	LT – LEFT
PROP. FIBER SPLICE HANDHOLE	MAX – MAXIMUM
PROP. BORING LOCATION	MIN – MINIMUM
PROP. ALIGNMENT STATIONING	N – NORTHING
PROP. RIGHT-OF-WAY	NO – NUMBER
PROP. ABUTTER	NY – NEW YORK
PROP. ALIGNMENT CENTERLINE	P# – PACKAGE #
PROP. LAYDOWN YARDS, PARKING, STORAGE & MUSTER AREA	PVC – POLYVINYL CHLORIDE
PROP. WORK AREAS	PVI – POINT OF VERTICAL INTERSECTION
PROP. PERMANENT EASEMENT	R – RADIUS
PROP. TEMPORARY EASEMENT	RCP – REINFORCED CONCRETE PIPE
7' FOUL ZONE: NO VEHICLES, MATERIALS, DISTURBANCE, PERSONNEL, OR WORK SHALL ENCROACH THE ZONE WITHIN 7FT OF THE NEAREST RAIL WITHOUT CSX COORDINATION AND APPROVAL	RD – ROAD
	REV – REVISION
	ROW – RIGHT-OF-WAY
	RT – RIGHT
	RTE – ROUTE
	SEWER – SANITARY SEWER PIPE
	SH – SHEET
	ST – STREET
	STA – STATION
	STORM – STORM DRAIN PIPE
	TELECOM – TELECOMMUNICATIONS CABLE
	TEMP – TEMPORARY
	TR – THERMAL RESISTIVITY
	TYP – TYPICAL
	V – VERTICAL
	WATER – WATERLINE

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
SURVEY LEGEND

DRAWN BY:	JTM	DESIGNED BY:	JTM	APPROVED BY:	JPR	SCALE	AS NOTED	DATE	03/04/2022
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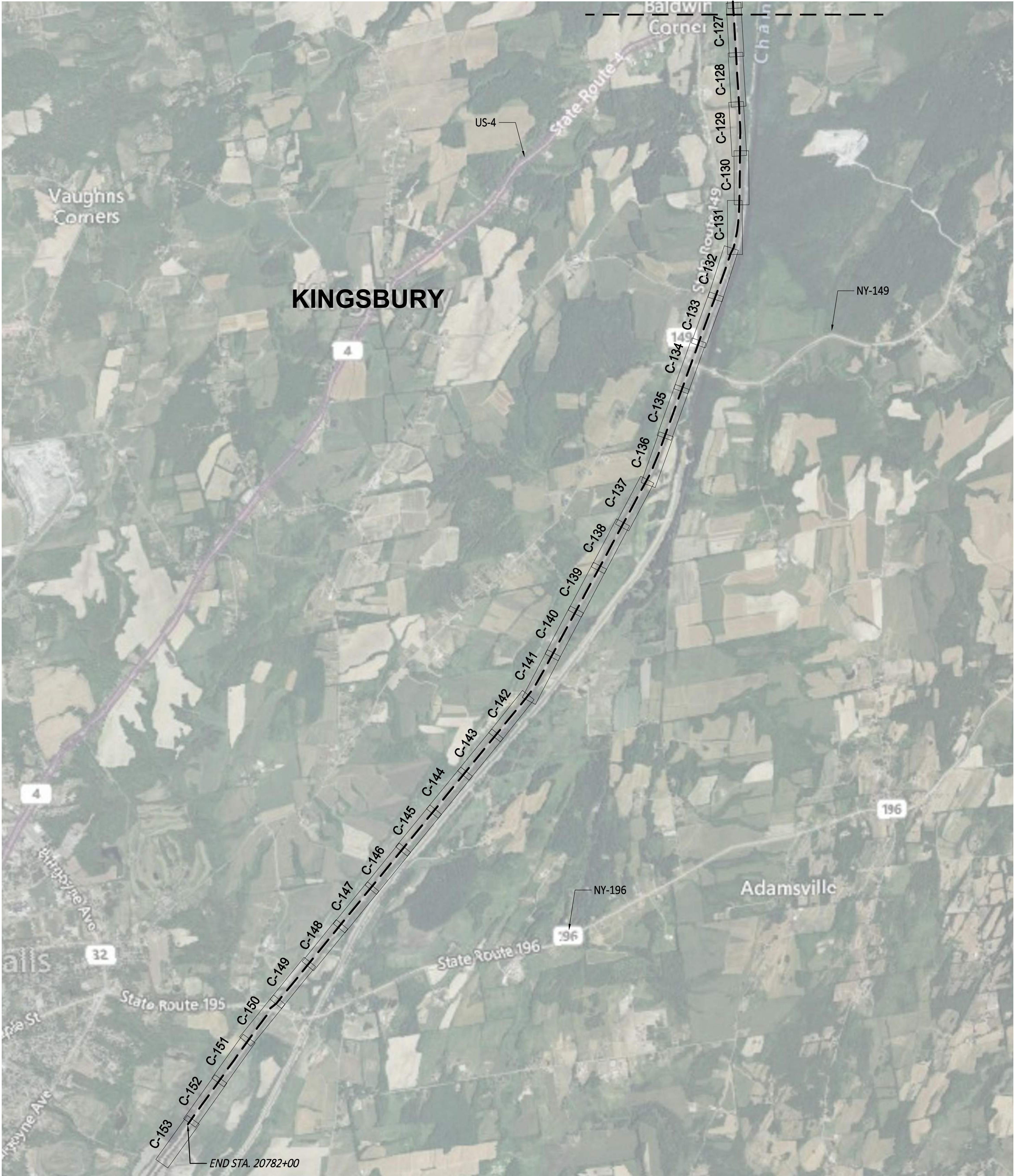
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A

B



PLAN AND PROFILE KEY MAP
SCALE: 1" = 4000'



PLAN AND PROFILE KEY MAP
SCALE: 1" = 4000'



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CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
KEYPLAN

DRAWN BY:	JTM	DESIGNED BY:	JTM	APPROVED BY:	JPR	SCALE	AS NOTED	DATE	03/04/2022
						REV. NO.	X	SH.NO.	XXX OF XXX

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	G-004
DATE	03/04/2022
SH.NO.	XXX OF XXX

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 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 HOLDERS SHALL NOTIFY THE SECRETARY THAT ALL RESTORATION HAS BEEN COMPLETED IN COMPLIANCE WITH THE CERTIFICATE AND THE ORDER(S) APPROVING THE EM&CP (CC#48).

CLEANUP STANDARDS AND PRACTICES

FROM THE BMP’S, CLEAN-UP, RESTORATION, AND REVEGETATION PROCEDURES WILL BE ONGOING DURING CONSTRUCTION AS EACH PROJECT SEGMENT IS COMPLETED. DURING CONSTRUCTION, THE RIGHT-OF-WAY (ROW) WILL BE KEPT FREE OF DEBRIS AND DISCARDED MATERIAL TO THE GREATEST EXTENT POSSIBLE. AS CONSTRUCTION CONTINUES, EACH SECTION OF THE ROW 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 (CC#8). FABRICATED DEBRIS GENERATED DURING CONSTRUCTION INCLUDES PIPING, FENCING, WIRING, AND ANY OTHER MATERIALS USED DURING CONSTRUCTION. NO FABRICATED DEBRIS BE BURNED OR BURIED (2012 BMPS, SECTION 11.1).

RESTORATION AND PLANTING

THE FINAL STAGE OF CONSTRUCTION WILL CONSIST OF RESTORING THE ROW SEGMENTS TO ITS ORIGINAL CONDITION AND CHARACTER AS MUCH AS POSSIBLE/IS PRACTICAL. RESTORATION ACTIVITIES MAY VARY WITH THE SPECIFIC AREA TO BE RESTORED, BUT WILL CONSIST PREDOMINANTLY OF RESTORING TOPOGRAPHY TO ORIGINAL GRADIENTS, AND RESEEDING EXCAVATED OR PAVING AREAS OVER THE TRENCH AS IDENTIFIED HEREIN.

SITE PREPARATION FOR REVEGETATION

THE SURFACE OF THE ROW 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. HORIZONTAL DIRECTIONAL DRILLING (HDD) ENTRY AND EXIT PITS WILL BE BACKFILLED AND THE DISTURBED GROUND SURFACE WILL BE SIMILARLY GRADED.

THE CERTIFICATE HOLDERS SHALL BE RESPONSIBLE FOR CHECKING ALL CULVERTS AND ASSURING THAT THEY ARE NOT CRUSHED OR BLOCKED DURING CONSTRUCTION AND RESTORATION OF THE SEGMENT AND, IF A CULVERT IS BLOCKED OR CRUSHED, TAKING 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 TEMPORARY/PERMANENT ROW AS WELL AS WITHIN STAGING AND LAYDOWN AREAS WILL COMMENCE ONLY AFTER AN ACCEPTABLE SEEDBED HAS BEEN ESTABLISHED. SEED WILL BE APPLIED BY HAND, OR VIA HYDRO–SEEDERS. THE ENTIRE SEEDED AREA WILL BE WATERED WITH A FINE SPRAY UNTIL A UNIFORM MOISTURE DEPTH OF APPROXIMATELY ONE (1) INCH HAS BEEN OBTAINED, AS APPLICABLE. MULCHING AND ANCHORING OF THE MULCH MAY BE NECESSARY IN SOME AREAS UNLESS A HYDROMULCH/SEED SLURRY IS USED. ON STEEP SLOPES, JUTE NET WILL BE USED TO PROVIDE STABILIZATION. FERTILIZER WILL BE ADDED, AS APPLICABLE, AT THE APPROPRIATE RATES AFTER SEED IS APPLIED AND/OR TO A HYDROMULCH/SEED SLURRY TO BUFFER AREAS BUT NOT FOR WETLAND RESOURCE AREAS. SEEDING/MULCHING WILL TAKE PLACE UNDER THE SUPERVISION OF THE ENVIRONMENTAL INSPECTOR. THE SEED MIXTURE AND RATE OF APPLICATION WILL DEPEND ON THE SOIL TYPE, LAND USE, AVAILABLE MOISTURE, AND SEASON AT THE TIME OF APPLICATION. THE LOCAL SOIL AND WATER CONSERVATION DISTRICT AND THE LANDOWNER/OPERATOR WILL BE CONSULTED REGARDING APPROPRIATE SEED MIXTURES AND APPLICATION RATES. ALL SEED MIXES WILL BE FREE OF INVASIVE SPECIES. ALL SEED BAG TAGS WILL BE PROVIDED TO THE ENVIRONMENTAL INSPECTOR. SEEDED AREAS WILL BE MONITORED FOLLOWING RESTORATION UNTIL A MINIMUM VEGETATIVE COVER OF EIGHTY (80) PERCENT IS ACHIEVED. THE SEED MIXTURES ARE AS FOLLOWS: GENERAL SEED 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. FOR UPLANDS AND WETLAND BUFFER ZONES LOCATED WITHIN THE ADIRONDACK PARK SHOULD BE ADIRONDACK SEED.

SOIL EXCAVATION IS ONLY PROPOSED OVER THE TRENCH–LINE FOR THE CONDUIT/CABLE AND THE TRENCH WILL BE RESEEDED WITH AN APPROPRIATE SEED MIX AS IDENTIFIED HEREIN. VEGETATION THROUGHOUT THE TEMPORARY RIGHT–OF–WAY WILL BE CUT TO GROUND LEVEL AND ROOT SYSTEMS WILL REMAIN INTACT TO ALLOW FOR RESPROUTING FOLLOWING CONSTRUCTION.

ALL TREES OVER TWO (2) INCHES IN DIAMETER AT BREAST HEIGHT OR SHRUBS OVER FOUR (4) FEET IN HEIGHT DAMAGED OR DESTROYED BY ACTIVITIES DURING CONSTRUCTION, OPERATION, OR MAINTENANCE, ASSOCIATED URBAN, RESIDENTIAL OR ADIRONDACK PARK LANDSCAPED AREAS, SHALL 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 PROJECT 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 WETLANDS

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

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

RESTORATION OF ROADWAY SHOULDER

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

RESTORATION OF CONSTRUCTION MATERIALS AND EQUIPMENT STAGING LOCATIONS

THE CONSTRUCTION MATERIALS EQUIPMENT STAGING LOCATIONS FOR THE PACKAGE SEGMENT ARE SHOWN IN THE PLAN AND PROFILE DRAWINGS AND EROSION AND SEDIMENT CONTROL PLAN. THESE AREAS WILL BE RESTORED AS CLOSE AS PRACTICABLE TO PRE–CONSTRUCTION CONDITIONS AND CONTOURS. 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.

PLANT INSPECTION, GUARANTEE AND MAINTENANCE

VEGETATION RESTORATION ALSO INCLUDES THE MAINTENANCE OF PLANTINGS FOR SPECIFIED TIME PERIODS AND THE REPLACEMENT OF UNSUCCESSFUL PLANTINGS. ALL VEGETATION REPLACED WILL HAVE A MINIMUM TWO (2) YEAR SURVIVAL GUARANTEE. TEMPORARY EROSION CONTROLS WILL BE REMOVED ONCE REVEGETATION IS ESTABLISHED. REVEGETATION WILL BE MONITORED UNTIL THERE IS A MINIMUM OF EIGHTY (80) PERCENT REGROWTH. WHERE TREE OR SHRUB PLANTINGS ARE NEEDED, A POST CONSTRUCTION SURVIVAL SURVEY WILL BE PERFORMED ONE YEAR AFTER THE PLANTINGS. IF ANY TREE OR SHRUB HAS NOT SURVIVED OR IS IN POOR HEALTH, THE TREE/SHRUB WILL BE REPLACED.

THE ENVIRONMENTAL INSPECTOR WILL INSPECT ALL PLANTS IN CONTAINERS PRIOR TO PLANTING. PLANTINGS WILL BE PERFORMED BY A QUALIFIED LANDSCAPE OR NURSERY CONTRACTOR. THE ENVIRONMENTAL INSPECTOR WILL INSPECT ALL PLANTS PRIOR TO PLANTING AND AFTER COMPETITION OF PLANTING TO ENSURE PROPER PLANTING PROCEDURES AND THE CORRECT PLANT SPECIES WERE USED. ADDITIONALLY, THE ENVIRONMENTAL INSPECTOR WILL CONDUCT A FINAL INSPECTION OF ALL REVEGETATED AREAS AFTER THE END OF THE MONITORING PERIOD TO ENSURE FINAL STABILIZATION.

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


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

RESTORATION WITHIN NYSDOT ROW


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


SEED MIXES

- A. GENERAL SEED:
 - 1. PIPELINE MIX W/SWITCHGRASS (ERNMX–102–1)
 - 2. MIX COMPOSITION
 - 33.0% PANICUM VIRGATUM, 'SHAWNEE' (SWITCHGRASS, 'SHAWNEE')
 - 25.0% FESTUCA RUBRA (CREEPING RED FESCUE)
 - 18.0% LOLIUM MULTIFLORUM (ANNUAL RYEGRASS)
 - 16.0% PHLEUM PRATENSE, CLIMAX (TIMOTHY, CLIMAX)
 - 5.0% TRIFOLIUM HYBRIDUM (ALSKE CLOVER)
 - 3.0% AGROSTIS ALBA (REDTOP)
 - 3. APPLIED AT A RATE OF 40 LBS/ACRE.
- B. ADIRONDACK SEED:
 - 1. MIX COMPOSITION
 - 25% VIRGINIA WILD RYE (ELYMUS VIRGINICUS VAR. VIRGINICUS)
 - 25% CANADA WILD RYE (ELYMUS CANADENSIS)
 - 25% AUTUMN BENTGRASS (AGROSTIS PERENNANS)
 - 25% CAMPER LITTLE BLUESTEM (SCHIZACHYRIUM SCOPARIUM)
 - 2. APPLIED AT A RATE OF 40 LBS/ACRE.
- C. SPECIALIZED WETLAND MIX FOR SHADED OBL–FACW AREAS (ERNMX–137)
 - 1. MIX COMPOSITION
 - 35.0% CAREX VULPINOIDEA, PA ECOTYPE (FOX SEDGE, PA ECOTYPE)
 - 20.0% ELYMUS VIRGINICUS, MADISON–NY ECOTYPE (VIRGINIA WILD RYE, MADISON–NY ECOTYPE)
 - 15.0% CAREX SCOPARIA, PA ECOTYPE (BLUNT BROOM SEDGE, PA ECOTYPE)
 - 12.8% CAREX LURIDA, PA ECOTYPE (LURID SEDGE, PA ECOTYPE)
 - 5.0% CAREX LUPULINA, PA ECOTYPE (HOP SEDGE, PA ECOTYPE)
 - 4.0% VERBENA HASTATA, PA ECOTYPE (BLUE VERVAIN, PA ECOTYPE)
 - 2.0% HELIOPSIS HELIANTHOIDES, PA ECOTYPE (OXEYE SUNFLOWER, PA ECOTYPE)
 - 1.0% CAREX INTUMESCENS, PA ECOTYPE (STAR SEDGE, PA ECOTYPE)
 - 1.0% SPARGANIUM AMERICANUM (EASTERN BUR REED)
 - 0.7% IRIS VERSICOLOR (BLUEFLAG)
 - 0.5% BIDENS CERNUA, PA ECOTYPE (NODDING BUR MARIGOLD, PA ECOTYPE)
 - 0.5% CAREX CRINITA, PA ECOTYPE (FRINGED SEDGE, PA ECOTYPE)
 - 0.5% CAREX STIPATA, PA ECOTYPE (AWL SEDGE, PA ECOTYPE)
 - 0.5% EUPATORIUM PERFOLIATUM, PA ECOTYPE (BONESET, PA ECOTYPE)
 - 0.5% SCIRPUS CYPERINUS, PA ECOTYPE (WOOLGRASS, PA ECOTYPE)
 - 0.5% VERNONIA NOVEBORACENSIS, PA ECOTYPE (NEW YORK IRONWEED, PA ECOTYPE)
 - 0.3% LOBELIA SIPHILITICA, PA ECOTYPE (GREAT BLUE LOBELIA, PA ECOTYPE)
 - 0.2% PENTHORUM SEDOIDES, PA ECOTYPE (DITCH STONECROP, PA ECOTYPE)
 - 2. APPLIED AT A RATE OF APPROXIMATELY 20 LBS/ACRE, ALONG WITH THE COVER CROP.
 - 3. COVER CROP SHOULD BE APPLIED AT A RATE OF 60–80 LBS/ACRE. COVER CROP TO BE AN ANNUAL RYE. COVER CROP BASED ON SEASON OF RESTORATION AN ANNUAL RYE THROUGH SPRING AND SUMMER AND WINTER RYE FOR LATE FALL.
- D. FACW WETLAND MEADOW MIX (ERNMX–122)
 - 1. MIX COMPOSITION
 - 21.0% CAREX VULPINOIDEA, PA ECOTYPE (FOX SEDGE, PA ECOTYPE)
 - 20.0% ELYMUS VIRGINICUS, PA ECOTYPE (VIRGINIA WILD RYE, PA ECOTYPE)
 - 16.0% CAREX LURIDA, PA ECOTYPE (LURID SEDGE, PA ECOTYPE)
 - 12.0% CAREX LUPULINA, PA ECOTYPE (HOP SEDGE, PA ECOTYPE)
 - 12.0% CAREX SCOPARIA, PA ECOTYPE (BLUNT BROOM SEDGE, PA ECOTYPE)
 - 3.0% VERBENA HASTATA, PA ECOTYPE (BLUE VERVAIN, PA ECOTYPE)
 - 2.4% ASCLEPIAS INCARNATA, PA ECOTYPE (SWAMP MILKWEED, PA ECOTYPE)
 - 2.0% JUNCUS EFFUSUS (SOFT RUSH)
 - 2.0% ZIZIA AUREA, PA ECOTYPE (GOLDEN ALEXANDERS, PA ECOTYPE)
 - 1.6% ASTER NOVAE–ANGLIAE, PA ECOTYPE (NEW ENGLAND ASTER, PA ECOTYPE)
 - 1.3% CAREX STIPATA, PA ECOTYPE (AWL SEDGE, PA ECOTYPE)
 - 1.0% BIDENS CERNUA, PA ECOTYPE (NODDING BUR MARIGOLD, PA ECOTYPE)
 - 1.0% JUNCUS TENUIS, PA ECOTYPE (PATH RUSH, PA ECOTYPE)
 - 0.8% SOLIDAGO RUGOSA, PA ECOTYPE (WRINKLELEAF GOLDENROD, PA ECOTYPE)
 - 0.6% VERBENA URTICIFOLIA, PA ECOTYPE (WHITE VERVAIN, PA ECOTYPE)
 - 0.5% CAREX CRINITA, PA ECOTYPE (FRINGED SEDGE, PA ECOTYPE)
 - 0.5% EUPATORIUM PERFOLIATUM, PA ECOTYPE (BONESET, PA ECOTYPE)
 - 0.5% HELENIUM AUTUMNALE, PA ECOTYPE (COMMON SNEEZEWEED, PA ECOTYPE)
 - 0.5% MIMULUS RINGENS, PA ECOTYPE (SQUARE STEMMED MONKEYFLOWER, PA ECOTYPE)
 - 0.3% LOBELIA SIPHILITICA, PA ECOTYPE (GREAT BLUE LOBELIA, PA ECOTYPE)
 - 0.3% SCIRPUS CYPERINUS, PA ECOTYPE (WOOLGRASS, PA ECOTYPE)
 - 0.2% ALISMA SUBCORDATUM, PA ECOTYPE (MUD PLANTAIN, PA ECOTYPE)
 - 0.2% ASTER PUNICEUS, PA ECOTYPE (PURPLESTEM ASTER, PA ECOTYPE)
 - 0.2% ASTER UMBELLATUS, PA ECOTYPE (FLAT TOPPED WHITE ASTER, PA ECOTYPE)
 - 0.1% PENTHORUM SEDOIDES, PA ECOTYPE (DITCH STONECROP, PA ECOTYPE)
 - 2. APPLIED AT A RATE OF APPROXIMATELY 20 LBS/ACRE, ALONG WITH THE COVER CROP.
 - 3. COVER CROP SHOULD BE APPLIED AT A RATE OF 60–80 LBS/ACRE. COVER CROP TO BE AN ANNUAL RYE. COVER CROP BASED ON SEASON OF RESTORATION AN ANNUAL RYE THROUGH SPRING AND SUMMER AND WINTER RYE FOR LATE FALL.



Champlain Hudson
Power Express





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D	04/28/2022	60% SUBMISSION		JM	JR
C	03/04/2022	PROGRESS SUBMISSION		JM	JR
B	02/23/2022	PROGRESS SUBMISSION		JM	JR
A	01/28/2022	30% SUBMISSION		JM	JR
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
RESTORATION NOTES

DRAWN BY: JTM

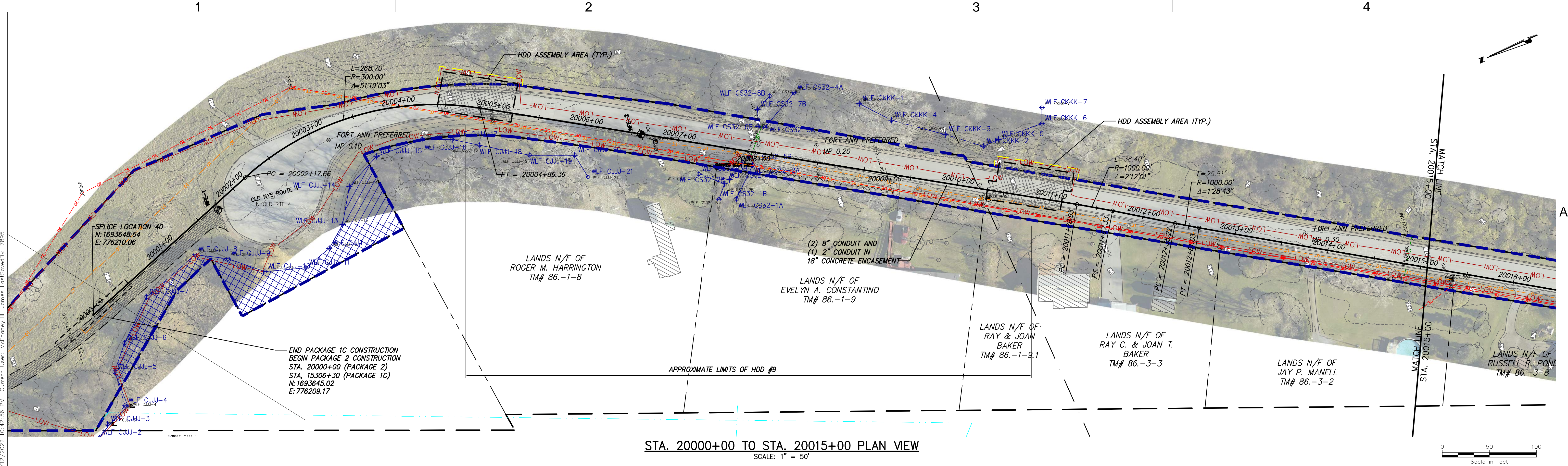
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APPROVED BY: JPR

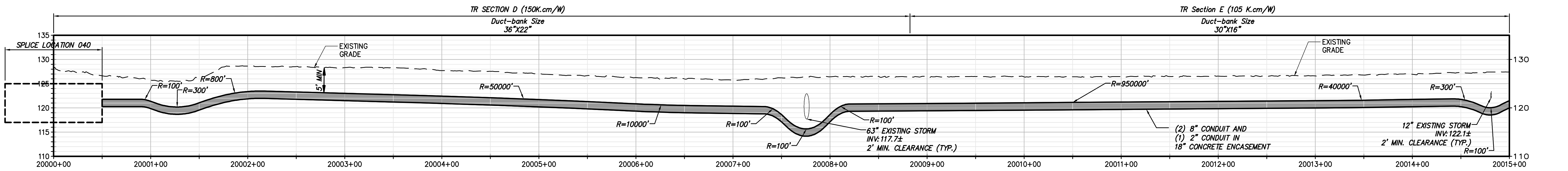
SCALE AS NOTED
REV. NO. X

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




DATE 03/04/2022
X SH.NO. XXX OF XXX



STA. 20000+00 TO STA. 20015+00 PLAN VIEW
SCALE: 1" = 50'



STA. 20000+00 TO STA. 20015+00 PROFILE VIEW
SCALE: H:1" = 50' V:1" = 10'



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B	02/23/2022	PROGRESS SUBMISSION	JM	JR
A	01/28/2022	30% SUBMISSION	JM	JR

CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY STA. 20000+00 TO STA. 20015+00 PLAN AND PROFILE

DRAWN BY: xxx

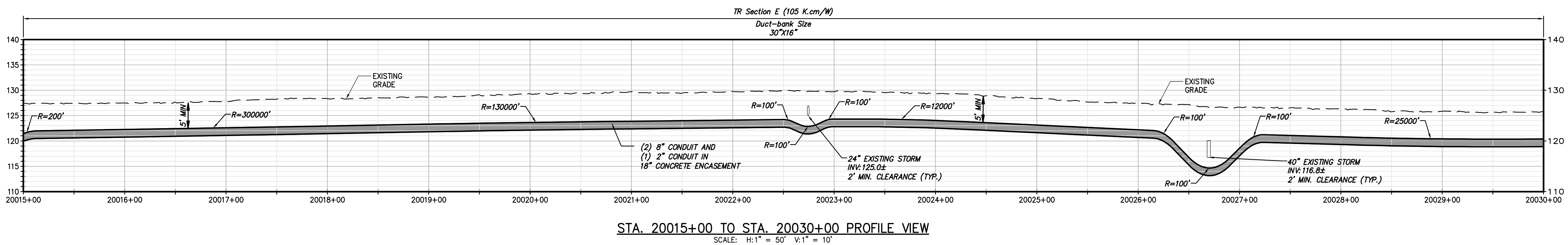
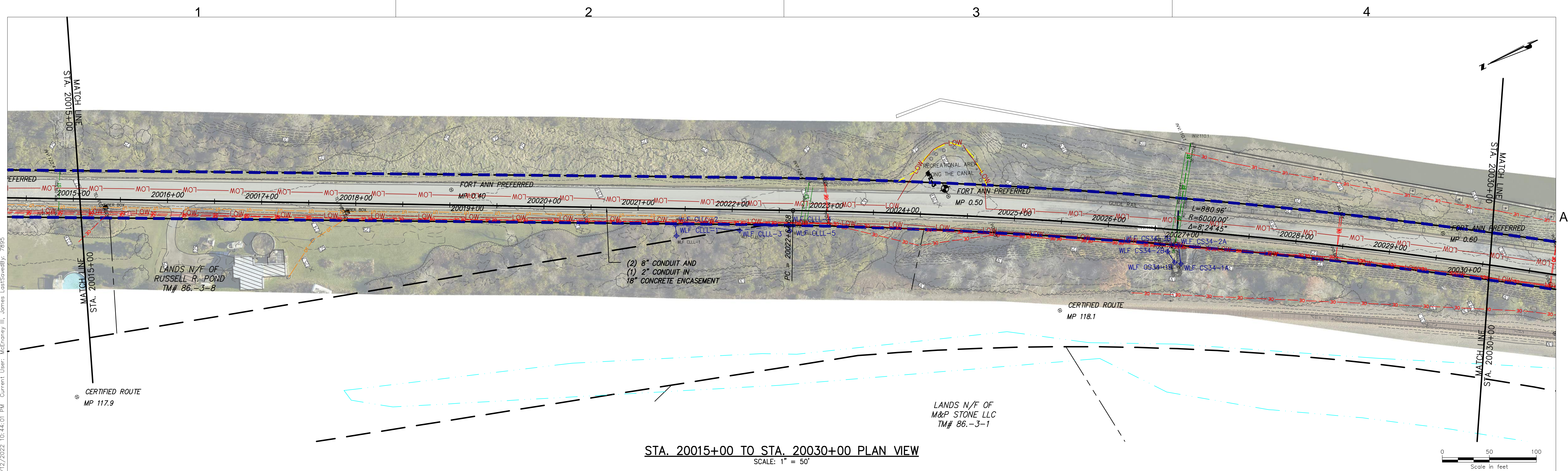
DESIGNED BY: xxx

APPROVED BY: xxx

SCALE
REV. NO.

AS NOTED

KIEWIT PROJECT NO.	
21162	
CHA PROJECT NO.	
066076	
DRAWING NO.	
C-101	
DATE	03/04/2022
SH.NO.	XXX OF XXX



Champlain Hudson Power Express

Kiewit

CHA

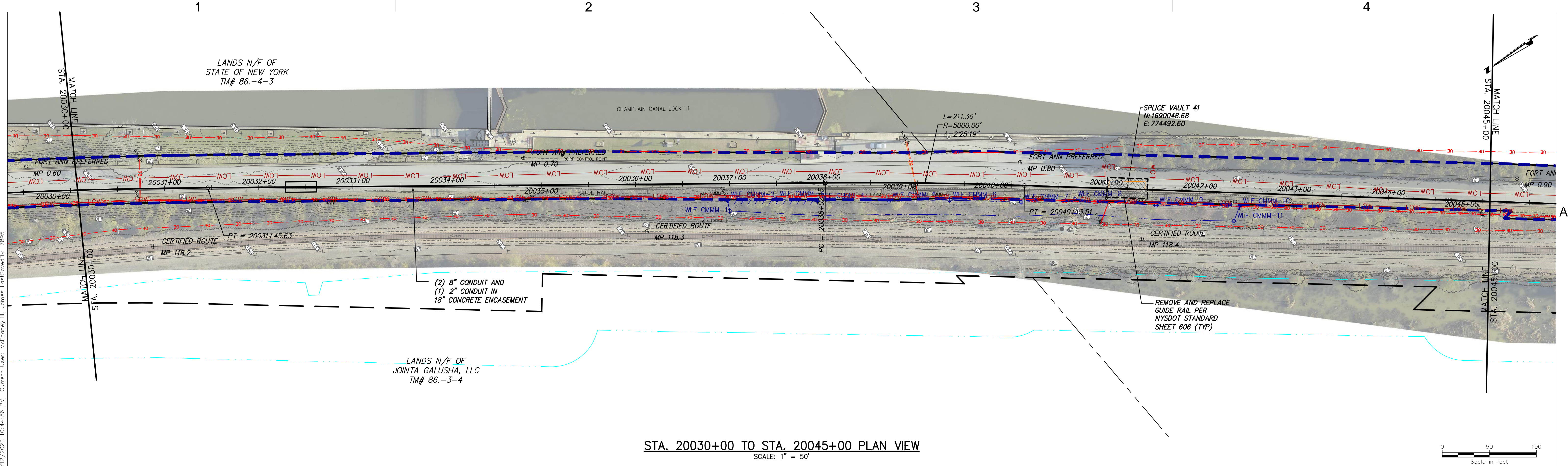
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B	02/23/2022	PROGRESS SUBMISSION	JM	JR
A	01/28/2022	30% SUBMISSION	JM	JR

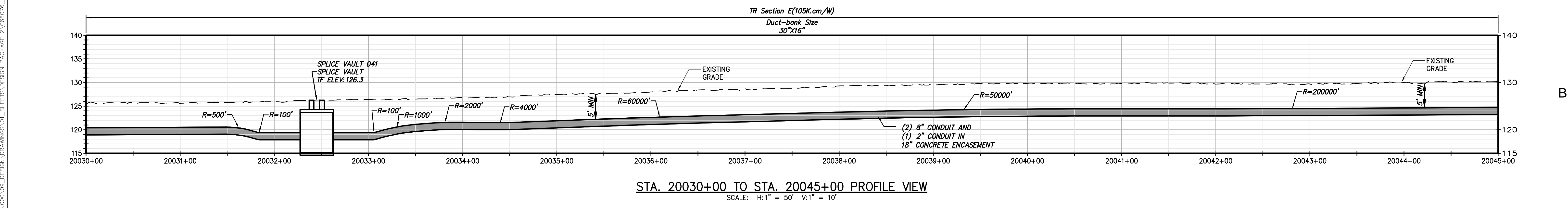
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
STA. 20015+00 TO STA. 20030+00 PLAN AND PROFILE

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




KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	068076
DRAWING NO.	C-102
DATE	03/04/2022
SH.NO.	XXX OF XXX



STA. 20030+00 TO STA. 20045+00 PLAN VIEW
SCALE: 1" = 50'



STA. 20030+00 TO STA. 20045+00 PROFILE VIEW
SCALE: H:1" = 50' V:1" = 10'



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B	02/23/2022	PROGRESS SUBMISSION	JM	JR
A	01/28/2022	30% SUBMISSION	JM	JR

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
STA. 20030+00 TO STA. 20045+00 PLAN AND PROFILE

DRAWN BY: xxx

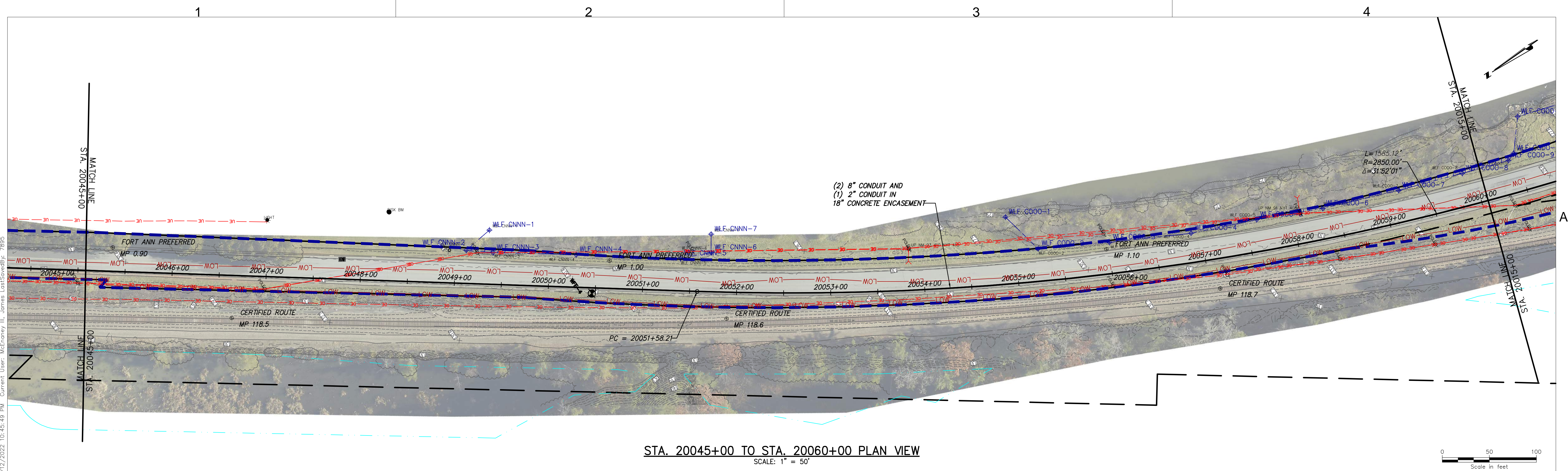
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APPROVED BY: xxx

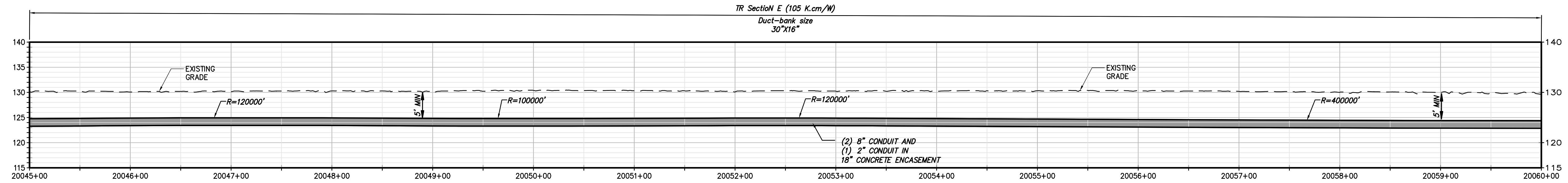
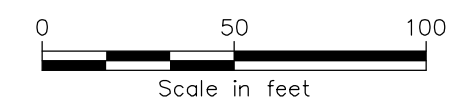
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REV. NO. X

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




DATE
03/04/2022
SH.NO.
XXX OF XXX



STA. 20045+00 TO STA. 20060+00 PLAN VIEW
SCALE: 1" = 50'



STA. 20045+00 TO STA. 20060+00 PROFILE VIEW
SCALE: H:1" = 50' V:1" = 10'



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A	01/28/2022	30% SUBMISSION	JM	JR

CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY STA. 20045+00 TO STA. 20060+00 PLAN AND PROFILE

DRAWN BY: xxx

DESIGNED BY: xxx

APPROVED BY: xxx

SCALE AS NOTED
REV. NO.

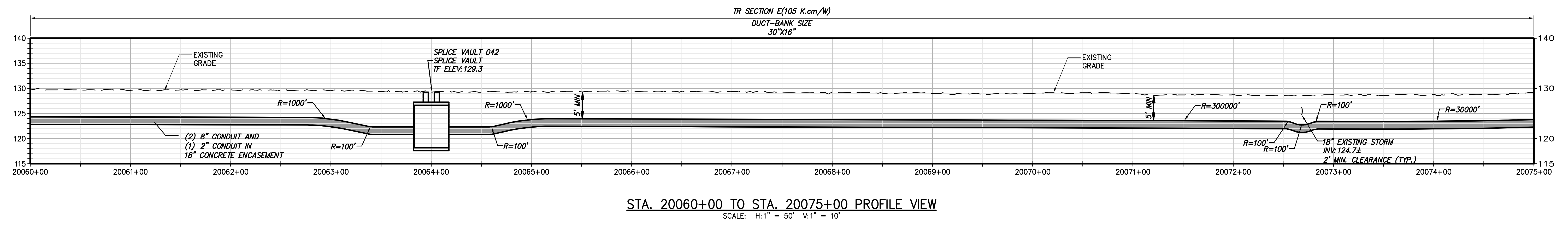
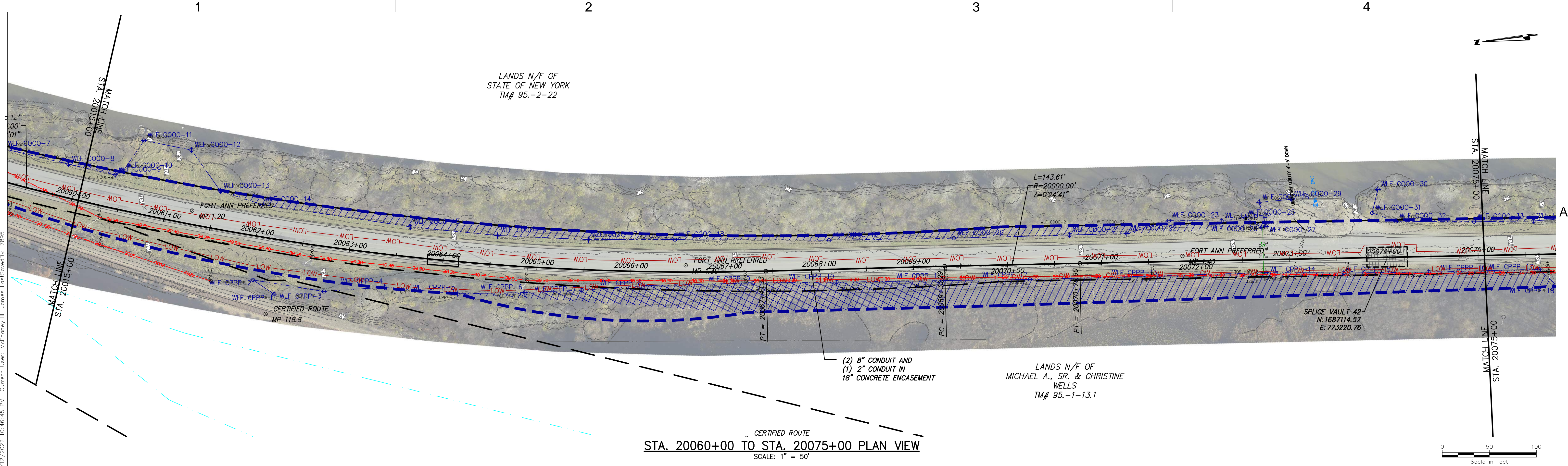
KIEWIT PROJECT NO.
21162




CHA PROJECT NO.
066076

DRAWING NO.
C-104

DATE
03/04/2022

SH.NO.
XXX OF XXX





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B	02/23/2022	PROGRESS SUBMISSION	JM	JR
A	01/28/2022	30% SUBMISSION	JM	JR

CHAMPLAIN HUDSON POWER EXPRESS

SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY

STA. 20060+00 TO STA. 20075+00 PLAN AND PROFILE

DRAWN BY: xxx

DESIGNED BY: xxx

APPROVED BY: xxx

SCALE AS NOTED
REV. NO.

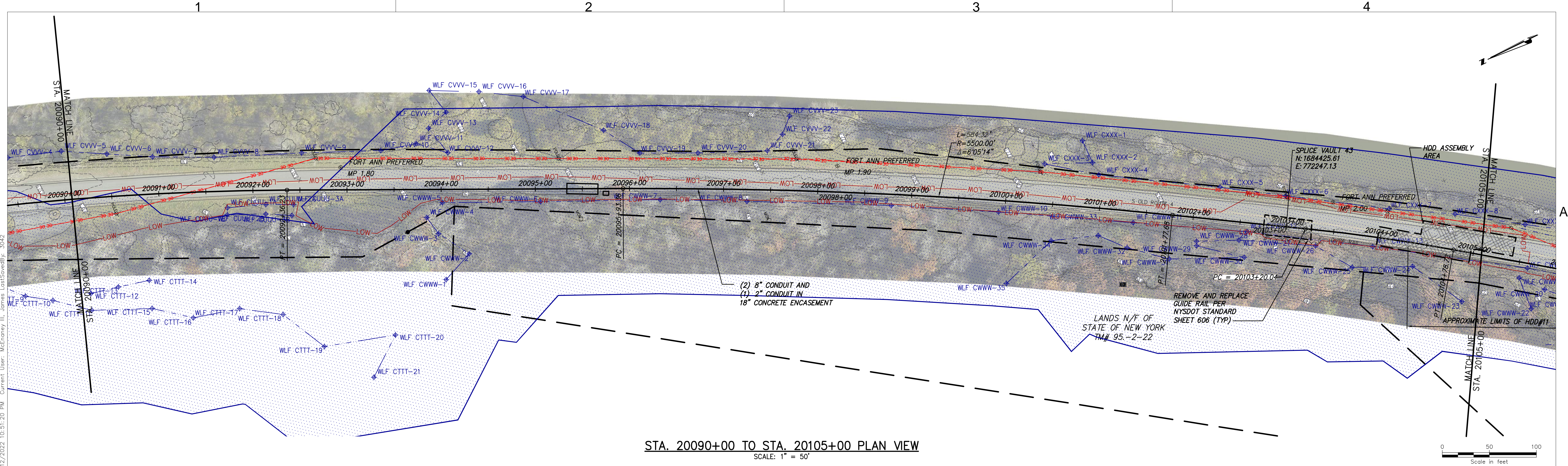
KIEWIT PROJECT NO.
21162

CHA PROJECT NO.
068076

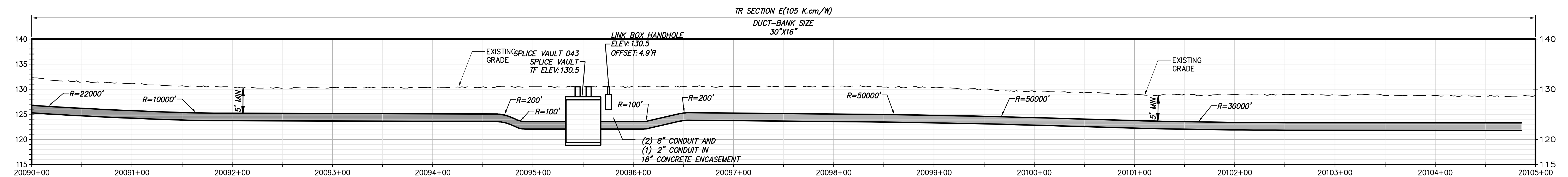
DRAWING NO.
C-105

DATE
03/04/2022




SH.NO.
XXX OF XXX



STA. 20090+00 TO STA. 20105+00 PLAN VIEW
SCALE: 1" = 50'



STA. 20090+00 TO STA. 20105+00 PROFILE VIEW
SCALE: H:1" = 50' V:1" = 10'



It is a violation of law for any person, unless they are acting under the direction of a licensed professional engineer, architect, landscape architect or land surveyor to alter an item in any way if an item bearing the stamp of a licensed professional is altered, the altering engineer, architect, landscape architect or land surveyor shall stamp the document and include the notation "ALTERED BY" followed by their signature, the date of such alteration, and a specific description of the alteration.

No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
D	04/28/2022	60% SUBMISSION	JM	JR
C	03/04/2022	PROGRESS SUBMISSION	JM	JR
B	02/23/2022	PROGRESS SUBMISSION	JM	JR
A	01/28/2022	30% SUBMISSION	JM	JR

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
STA. 20090+00 TO STA. 20105+00 PLAN AND PROFILE

DRAWN BY: xxx

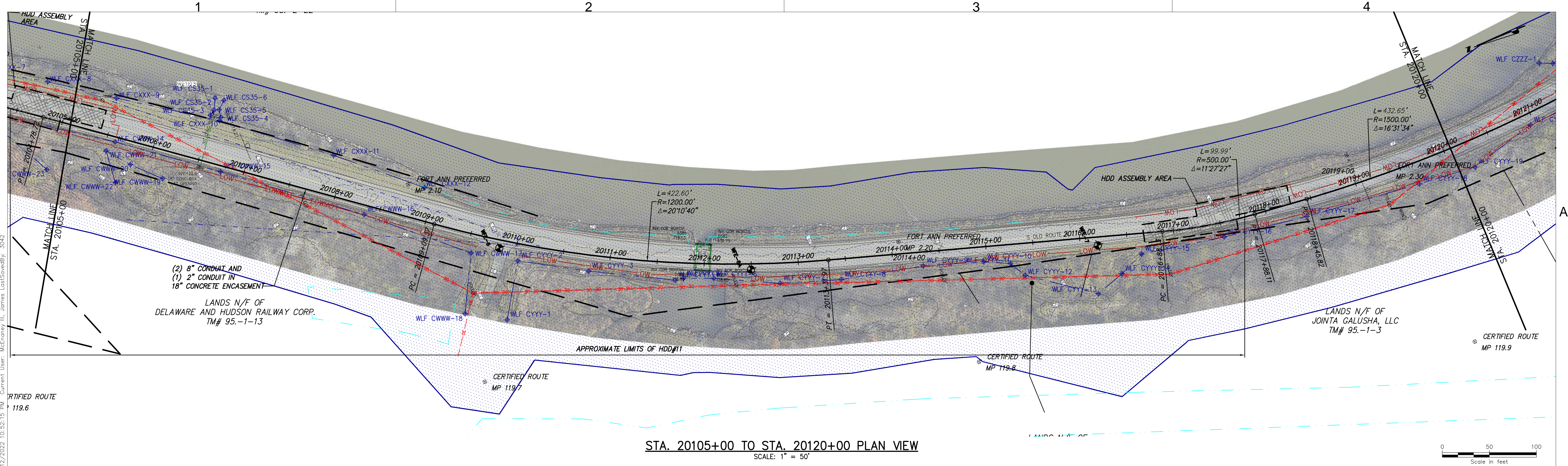
DESIGNED BY: xxx

APPROVED BY: xxx

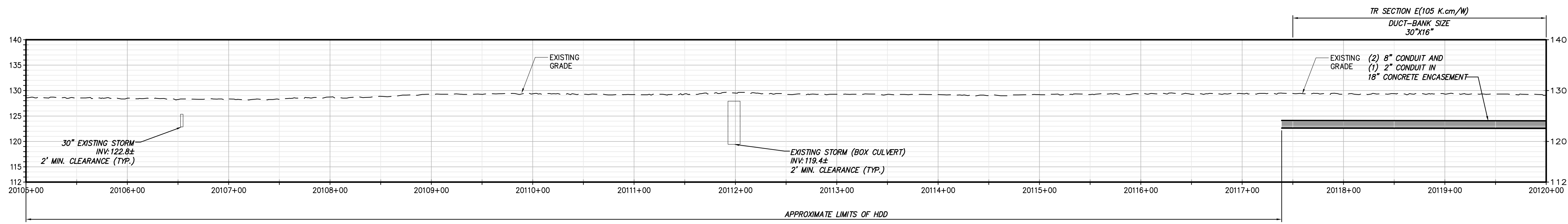
SCALE AS NOTED
REV. NO.

KIEWIT PROJECT NO.
21162
CHA PROJECT NO.
066076
DRAWING NO.
C-107


DATE
03/04/2022
SH.NO.
XXX OF XXX




STA. 20105+00 TO STA. 20120+00 PLAN VIEW
SCALE: 1" = 50'




STA. 20105+00 TO STA. 20120+00 PROFILE VIEW
SCALE: H:1" = 50' V:1" = 10'



Champlain Hudson
Power Express





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B	02/23/2022	PROGRESS SUBMISSION	JM	JR
A	01/28/2022	30% SUBMISSION	JM	JR

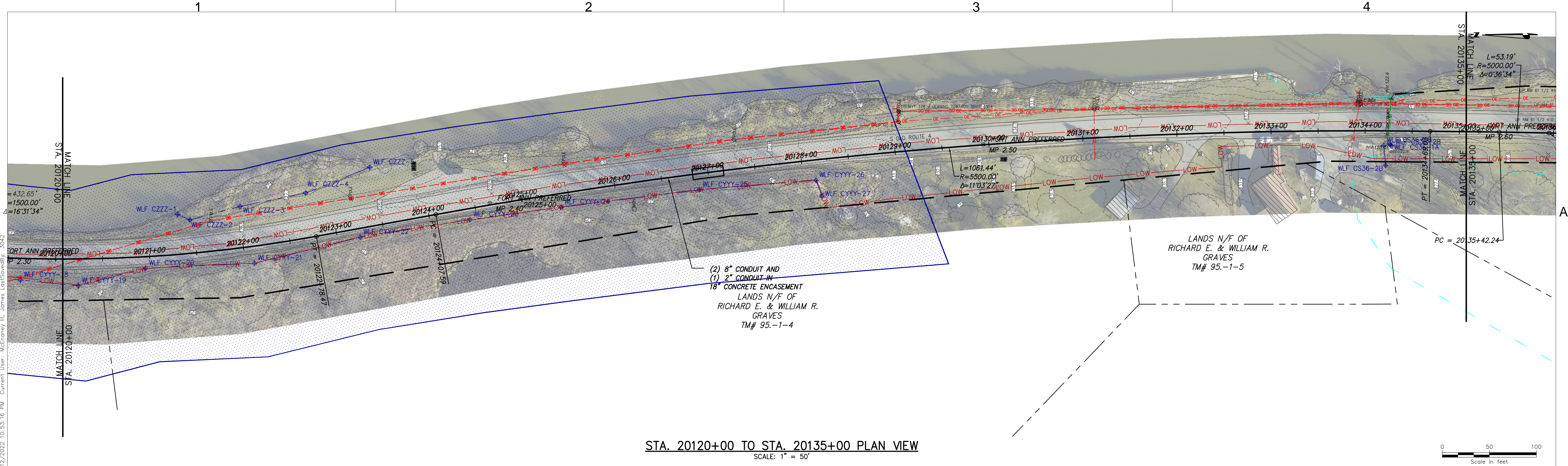
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
STA. 20105+00 TO STA. 20120+00 PLAN AND PROFILE

DRAWN BY: xxxDESIGNED BY: xxxAPPROVED BY: xxx

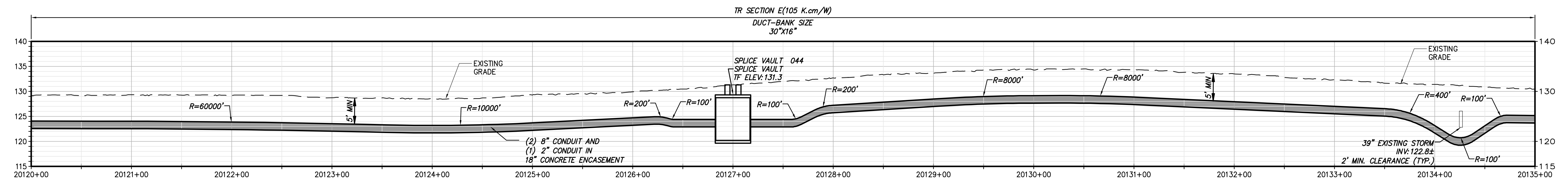
SCALE AS NOTED
REV. NO. X

KIEWIT PROJECT NO.
21162
CHA PROJECT NO.
068076
DRAWING NO.
C-108




DATE
03/04/2022
SH.NO.
XXX OF XXX



STA. 20120+00 TO STA. 20135+00 PLAN VIEW
SCALE: 1" = 50'



STA. 20120+00 TO STA. 20135+00 PROFILE VIEW
SCALE: H:1" = 50' V:1" = 10'



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A	01/28/2022	30% SUBMISSION	JM	JR

CHAMPLAIN HUDSON POWER EXPRESS

SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY

STA. 20120+00 TO STA. 20135+00 PLAN AND PROFILE

DRAWN BY: xxx

DESIGNED BY: xxx

APPROVED BY: xxx

SCALE AS NOTED

REV. NO. X

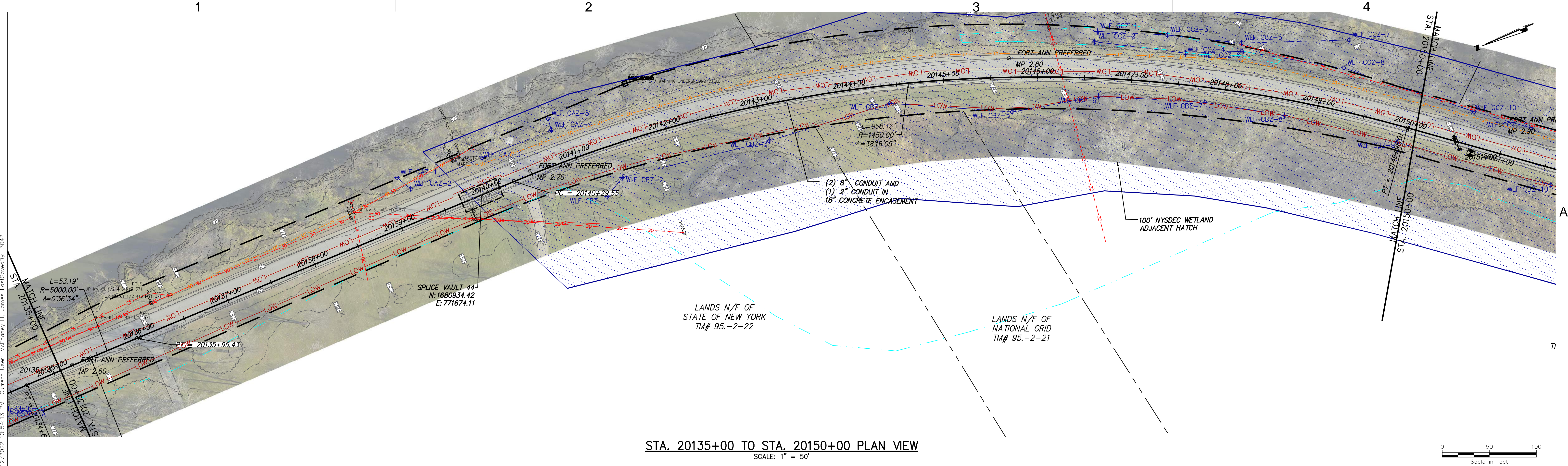
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CHA PROJECT NO. 066076

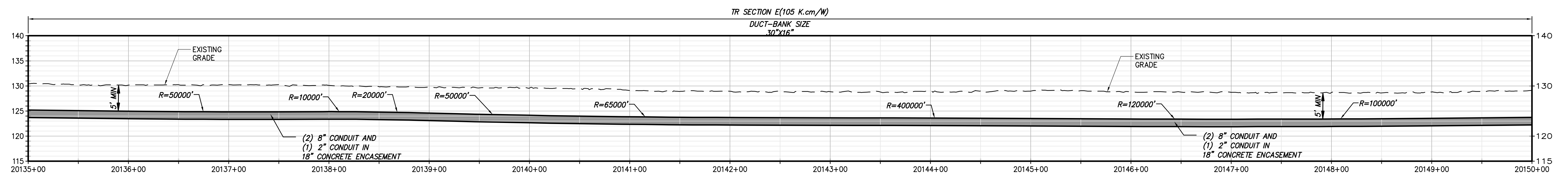
DRAWING NO. C-109

DATE 03/04/2022




SH.NO. XXX OF XXX



STA. 20135+00 TO STA. 20150+00 PLAN VIEW
SCALE: 1" = 50'



STA. 20135+00 TO STA. 20150+00 PROFILE VIEW
SCALE: H:1" = 50' V:1" = 10'



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CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY STA. 20135+00 TO STA. 20150+00 PLAN AND PROFILE

DRAWN BY: xxx

DESIGNED BY: xxx

APPROVED BY: xxx

SCALE: AS NOTED
REV. NO. X

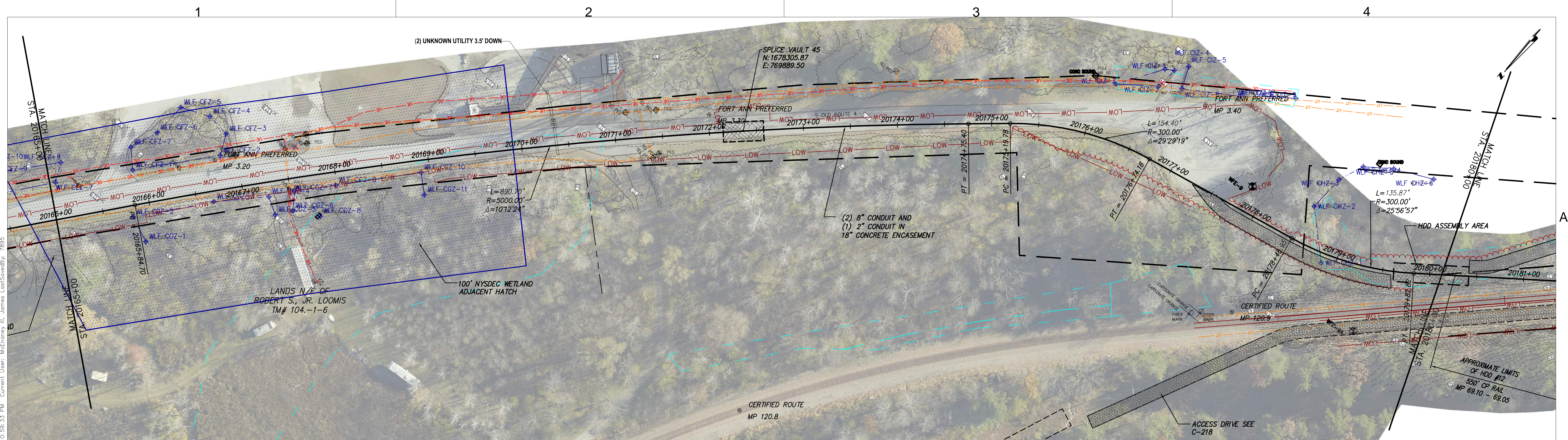
KIEWIT PROJECT NO.
21162

CHA PROJECT NO.
066076

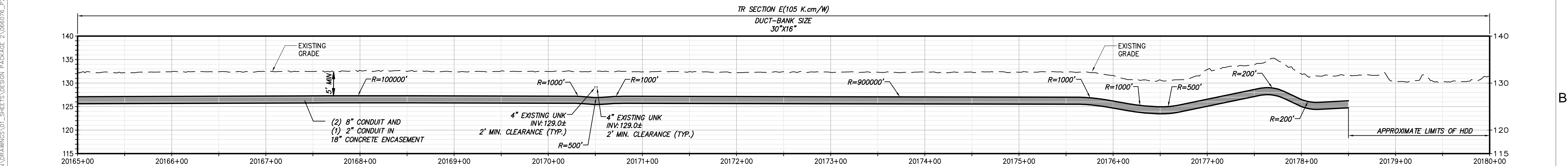
DRAWING NO.
C-110

DATE
03/04/2022


SH.NO.
XXX OF XXX




STA. 20165+00 TO STA. 20180+00 PLAN VIEW
SCALE: 1" = 50'




STA. 20165+00 TO STA. 20180+00 PROFILE VIEW
SCALE: H:1" = 50' V:1" = 10'



Champlain Hudson
Power Express



Kiewit



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

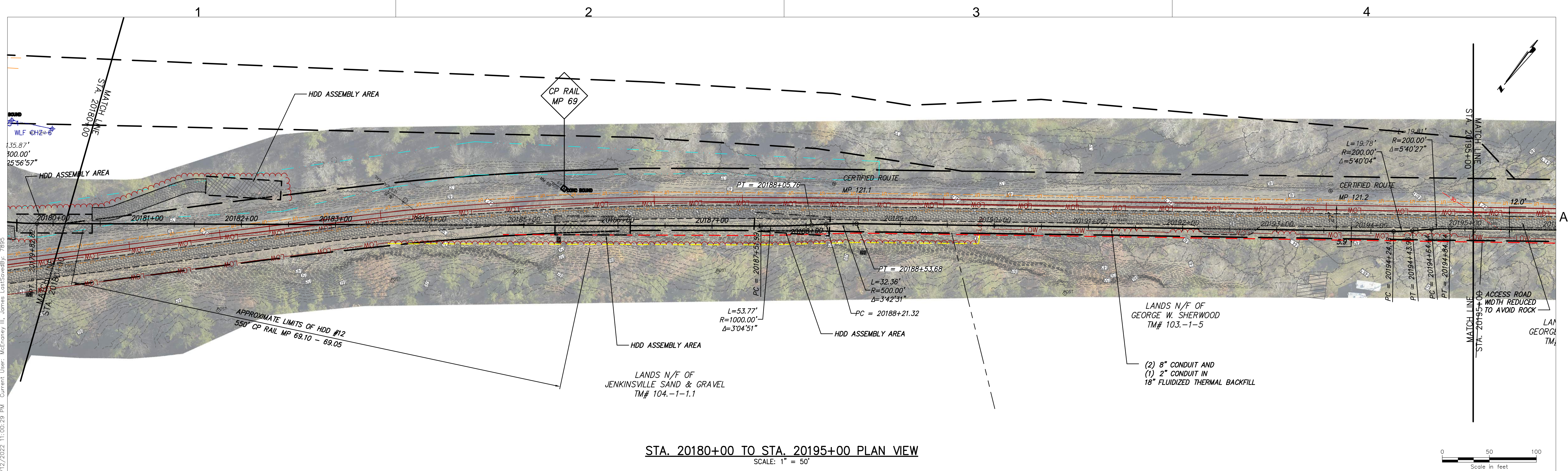
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
D	04/28/2022	60% SUBMISSION	JM	JR
C	03/04/2022	PROGRESS SUBMISSION	JM	JR
B	02/23/2022	PROGRESS SUBMISSION	JM	JR
A	01/28/2022	30% SUBMISSION	JM	JR

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
STA. 20165+00 TO STA. 20180+00 PLAN AND PROFILE

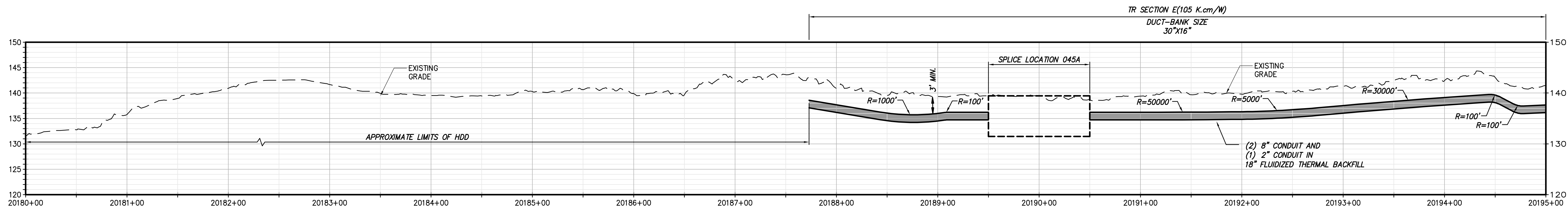
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REV. NO. X SH.NO. XXX OF XXX

KIEWIT PROJECT NO. 21162
CHA PROJECT NO. 066076
DRAWING NO. C-112




DATE 03/04/2022
XXX OF XXX



STA. 20180+00 TO STA. 20195+00 PLAN VIEW
SCALE: 1" = 50'



STA. 20180+00 TO STA. 20195+00 PROFILE VIEW
SCALE: H:1" = 50' V:1" = 10'



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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
D	04/28/2022	60% SUBMISSION	JM	JR
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CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY STA. 20180+00 TO STA. 20195+00 PLAN AND PROFILE

DRAWN BY: xxx

DESIGNED BY: xxx

APPROVED BY: xxx

SCALE AS NOTED
REV. NO. X

KIEWIT PROJECT NO.
21162
CHA PROJECT NO.
066076
DRAWING NO.
C-113

DATE
03/04/2022
SH.NO.
XXX OF XXX