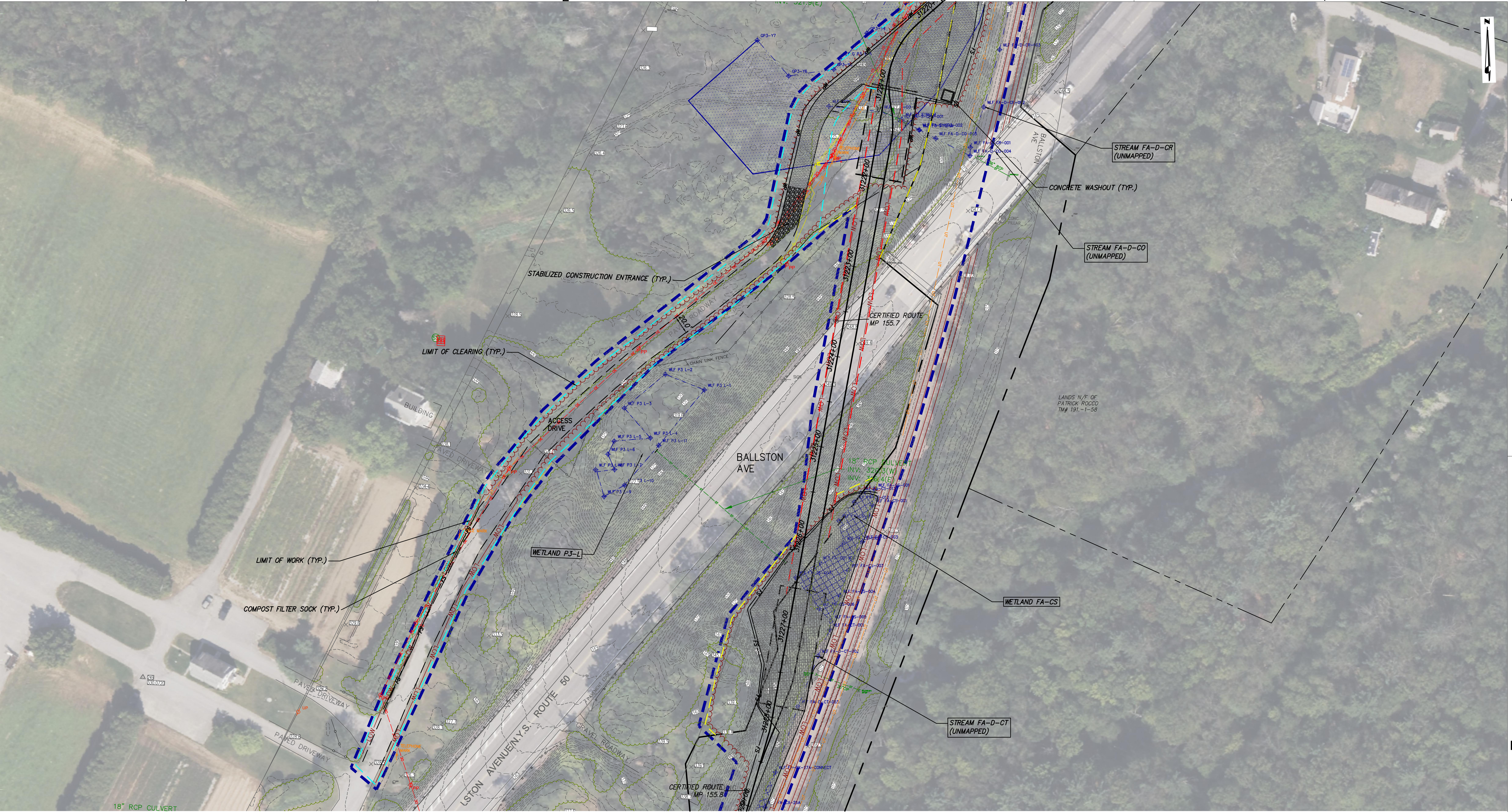
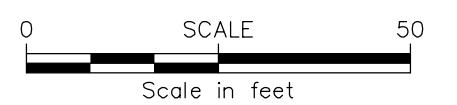


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**ACCESS DRIVE AT STA. 31221+00**  
 SCALE: 1" = 50'



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

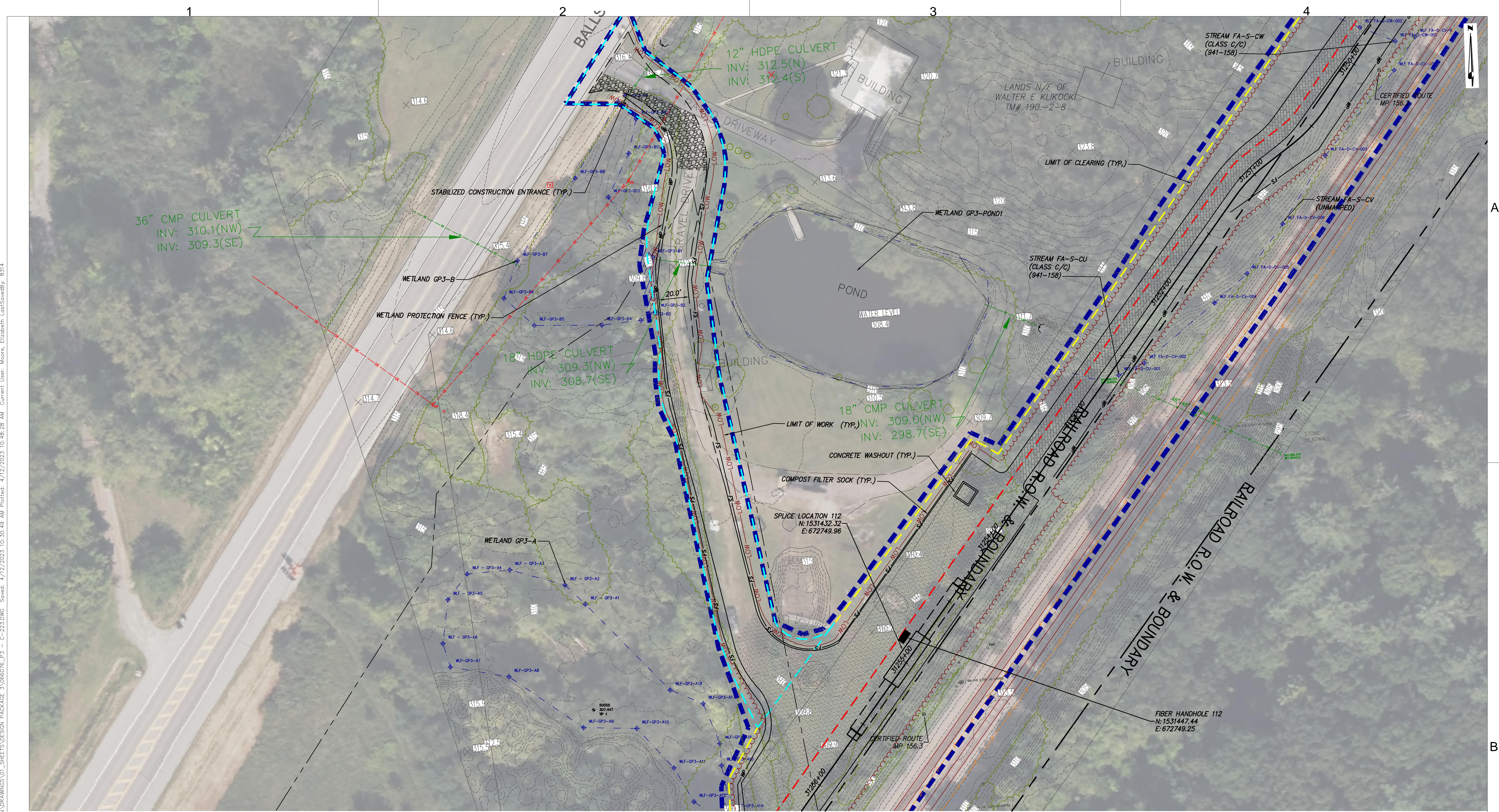
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
0	04/05/2023	FINAL EM&CP SUBMISSION	JJE	JPR

**CHAMPLAIN HUDSON POWER EXPRESS**  
**SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON**  
**ACCESS DRIVE AT STA. 31221+00**

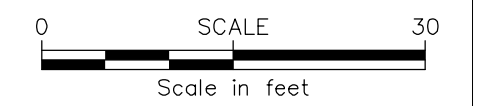
KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	086076
DRAWING NO.	C-222
DATE	04/05/2023
SH.NO.	

DRAWN BY: JJE DESIGNED BY: JTM APPROVED BY: JPR SCALE AS NOTED





ACCESS DRIVE AT STA. 31256+00  
SCALE: 1" = 30'



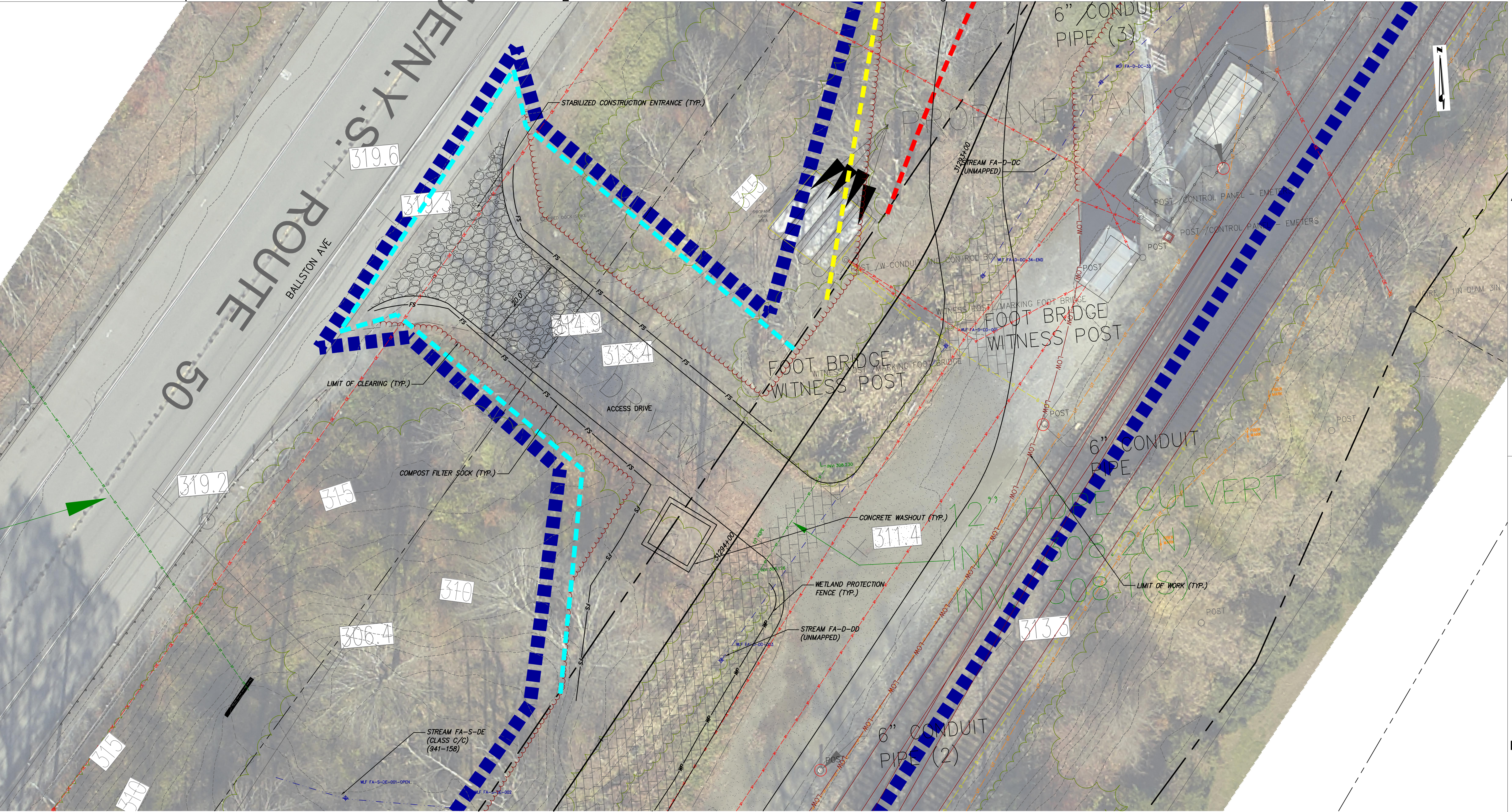
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE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

CHAMPLAIN HUDSON POWER EXPRESS SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON ACCESS DRIVE AT STA. 31256+00				KIEWIT PROJECT NO. 21162	
				CHA PROJECT NO. 086076	
				DRAWING NO. C-223	
0 04/05/2023 FINAL EM&CP SUBMISSION		JJE JPR		DATE 04/05/2023	
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DATE SH.NO.
DRAWN BY: JJE DESIGNED BY: JTM APPROVED BY: JPR			SCALE	AS NOTED	
			REV. NO.		

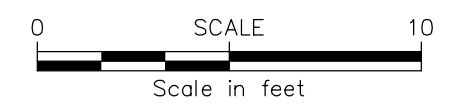
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ACCESS DRIVE AT STA. 31294+00  
SCALE: 1" = 10'



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
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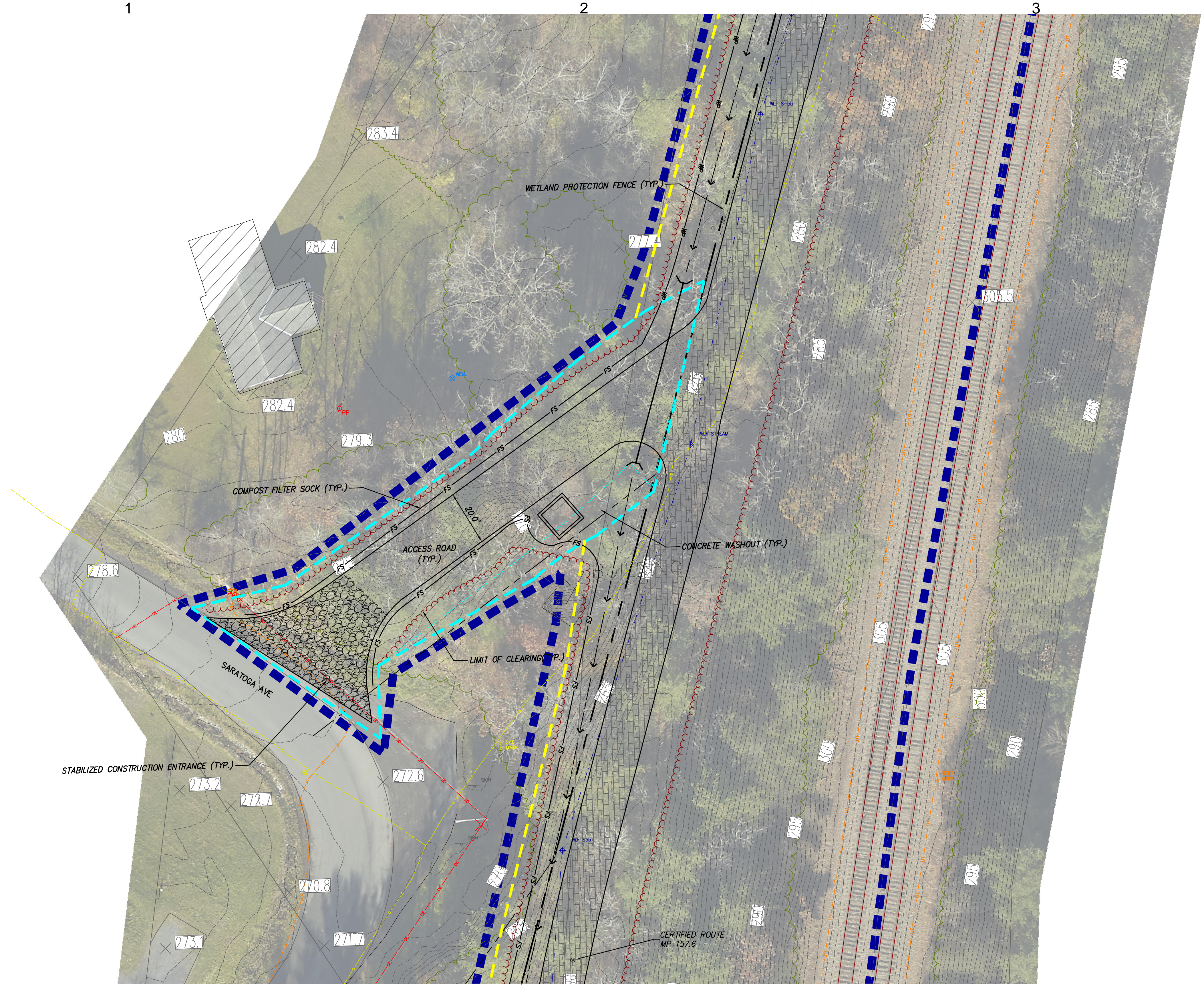
**CHAMPLAIN HUDSON POWER EXPRESS**  
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON  
ACCESS DRIVE AT STA. 31294+00

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	086076
DRAWING NO.	C-224
DATE	04/05/2023
SH.NO.	

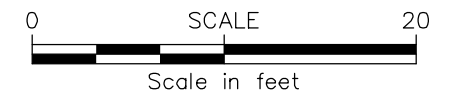
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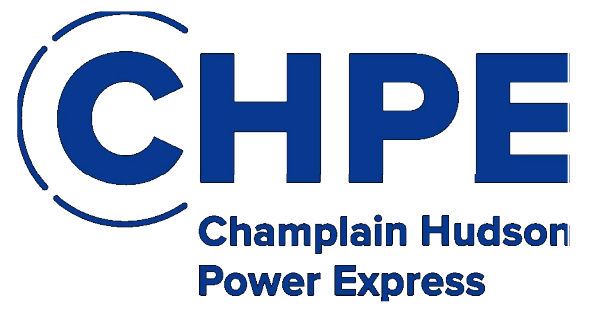
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**ACCESS DRIVE AT STA. 31322+00**  
SCALE: 1" = 20'



LANDS N/A  
ERIC BROTH  
TM# 203.-1



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

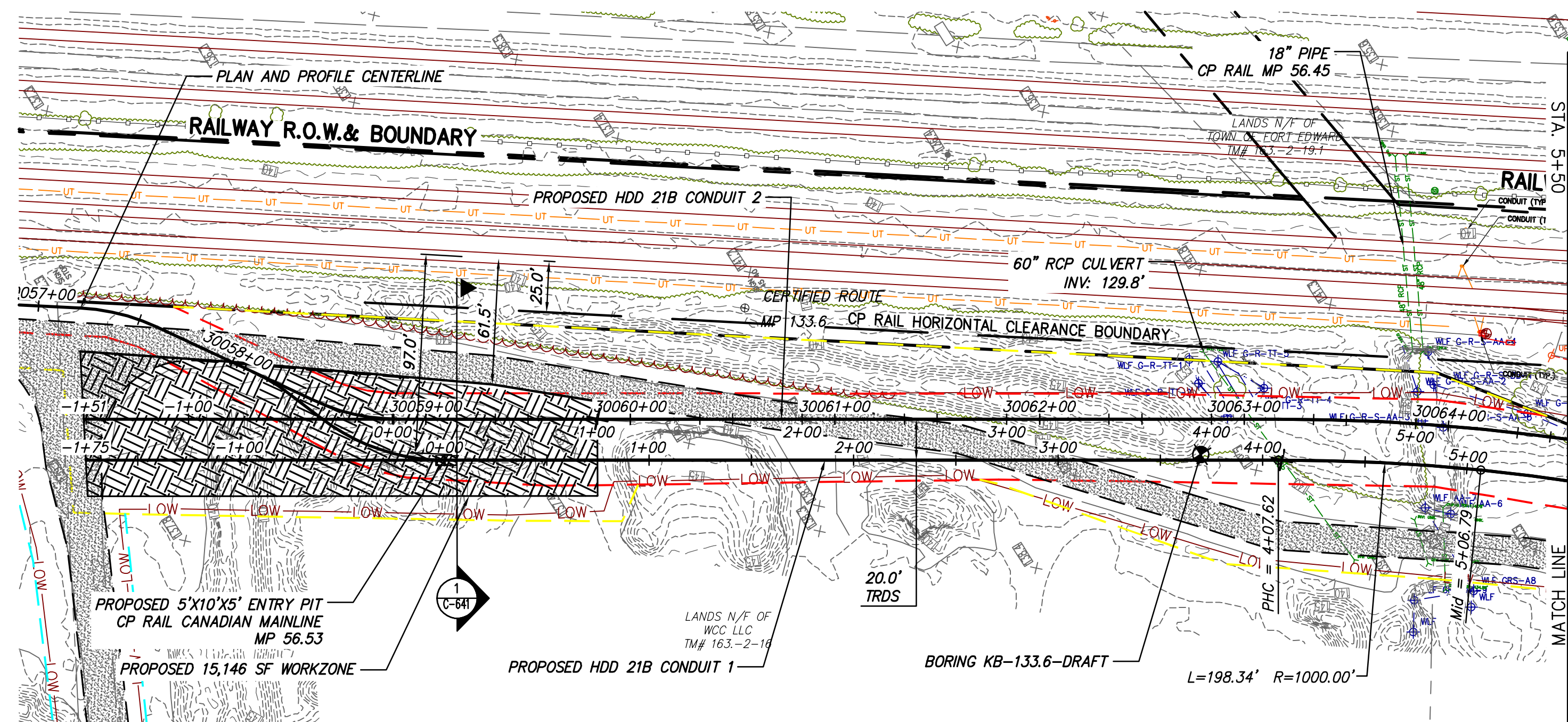
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
0	04/05/2023	FINAL EM&CP SUBMISSION	JJE	JPR

**CHAMPLAIN HUDSON POWER EXPRESS**  
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON  
ACCESS DRIVE AT STA. 31322+00

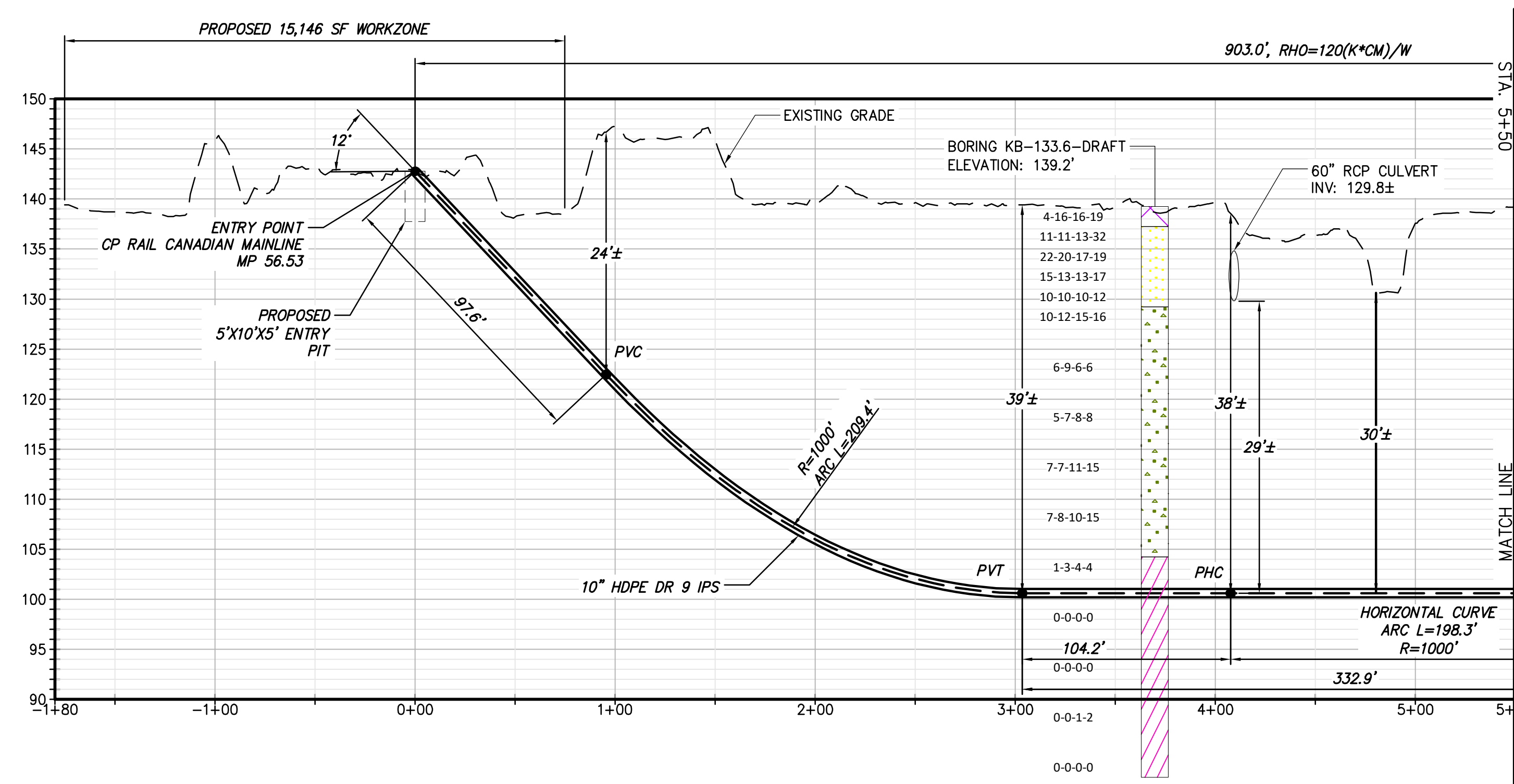
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REV. NO. SH.NO.

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	086076
DRAWING NO.	C-225
DATE	04/05/2023





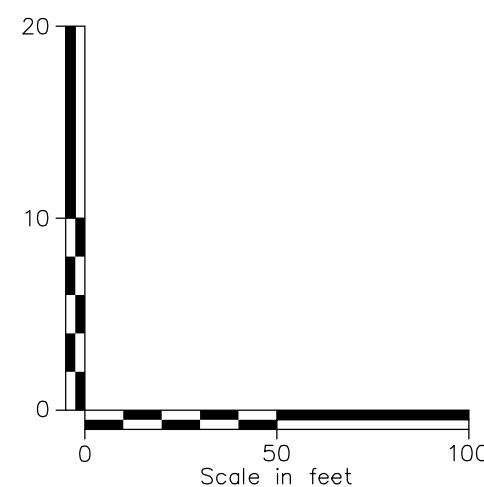
PROPOSED HDD 21B PLAN VIEW  
CONDUIT 1



PROPOSED HDD 21B PROFILE  
CONDUIT 1

Legend	
ASPHALT	Asphalt
Bedrock	Bedrock
Boulder	Boulder
CH	Fat CLAY
CH-MH	SILTY Fat CLAY
CL	Lean CLAY
CL-ML	SILTY CLAY
CDNCRETE	Concrete
FILL	Fill
GC	CLAYEY GRAVEL
GC-GM	SILTY CLAYEY GRAVEL
GM	SILTY GRAVEL
GP	Poorly Graded GRAVEL
GP-GC	Poorly Graded Gravel with CLAY
GP-GM	Poorly Graded GRAVEL with SILT
GW	Well Graded GRAVEL
GW-GC	Well Graded GRAVEL with CLAY
GW-GM	Well Graded GRAVEL with SILT
Limestone	Limestone
MH	Elastic SILT
ML	SILT
OH	ORGANIC Fat CLAY
OL	ORGANIC Lean CLAY
OL/OH	ORGANIC SILL
PT	PEAT
Rock	Rock
Sandstone	Sandstone
SC	CLAYEY SAND
SC-SM	SILT, CLAYEY SAND
SHALE	Shale
SILTSTONE	Siltstone
SM	SILTY SAND
SP	Poorly Graded SAND
SP-SC	Poorly Graded SAND with CLAY
SP-SM	Poorly Graded SAND with SILT
SW	Well graded SAND
SW-SC	Well Graded SAND with CLAY
SW-SM	Well Graded SAND with SILT
Topsoil	Topsoil
USGS 601	Gravel or Conglomerate 1
USGS 654	Subgraywacke
USGS 670	Interbedded Sandstone and Shale
USGS 702	Quartzite
USGS 705	Schist
USGS 705	Schist
USGS 708	Gneiss
USGS 708	Gneiss
USGS 718	Granite 1
Void	Void
Water	Water
Weathered Rock	Weathered
Water Table	Water Table during drilling
Delayed Water Table	Water Table after drilling

BORING LOG STRIP LEGEND	
B101	11000psi = UCS
Blow Counts per 6" = 10-10-10	
Recovery %/RQD % = 95%/90%	
2D strip logs shown at 10x exaggeration 3D strip logs have no exaggeration	



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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DRAWN BY:	DESIGNED BY:	APPROVED BY:	SCALE	AS NOTED	DATE
0	04/05/2023	FINAL EM&CP SUBMISSION	MCS	JEO						04/05/2023

**CHAMPLAIN HUDSON POWER EXPRESS**  
**SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON**  
**PLAN AND PROFILE - HDD 21B, CONDUIT 1**

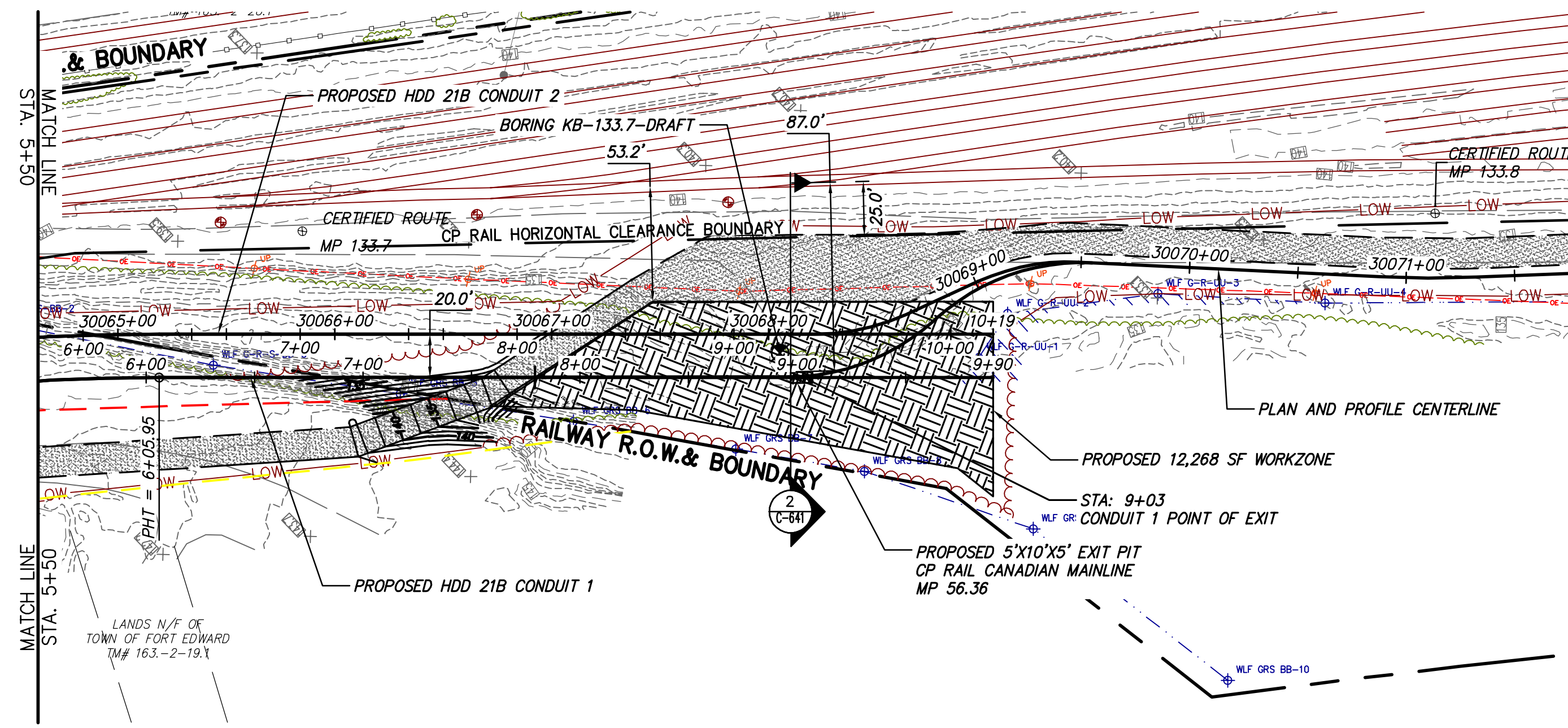
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21162  
**CHA PROJECT NO.**  
086076  
**DRAWING NO.**  
**C-301**

A

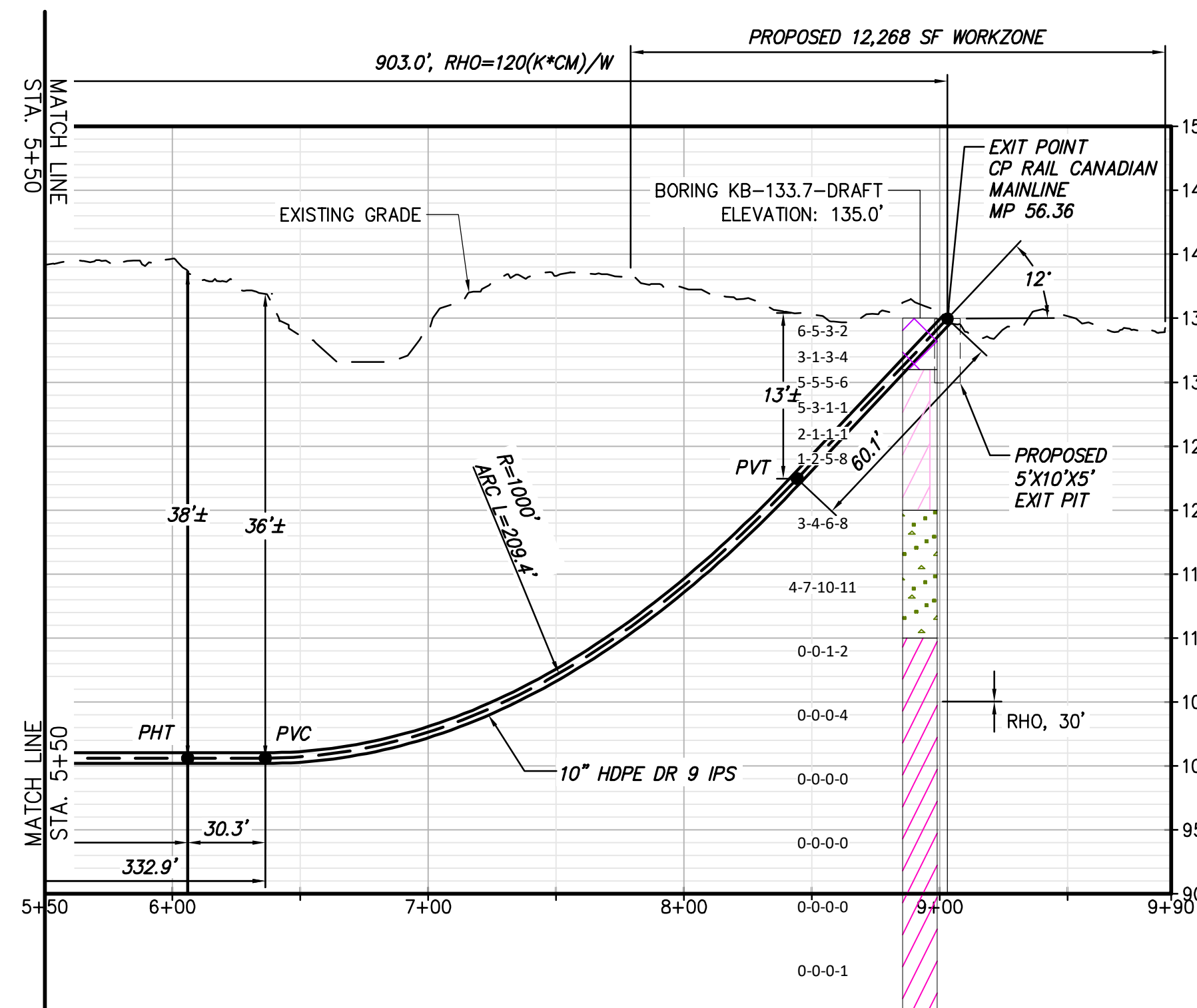
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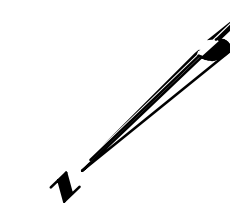
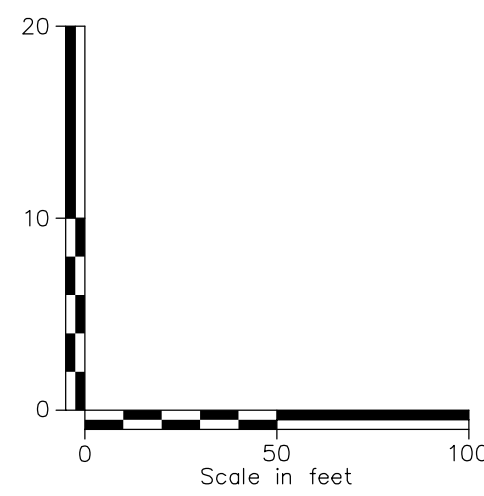
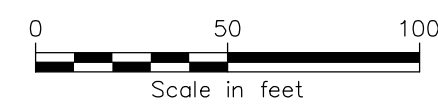




PROPOSED HDD 21B PLAN VIEW  
CONDUIT 1



PROPOSED HDD 21B PROFILE  
CONDUIT 1



Legend	
ASPHALT	Asphalt
Bedrock	Bedrock
Boulder	Boulder
CH	Fat CLAY
CH-MH	SILTY Fat CLAY
CL	Lean CLAY
CL-ML	SILTY CLAY
CDNCRETE	Concrete
FILL	Fill
GC	CLAYEY GRAVEL
GC-GM	SILTY CLAYEY GRAVEL
GM	SILTY GRAVEL
GP	Poorly Graded GRAVEL
GP-GC	Poorly Graded Gravel with CLAY
GP-GM	Poorly Graded GRAVEL with SILT
GW	Well Graded GRAVEL
GW-GC	Well Graded GRAVEL with CLAY
GW-GM	Well Graded GRAVEL with SILT
Limestone	Limestone
MH	Elastic SILT
ML	SILT
DH	ORGANIC Fat CLAY
DL	ORGANIC Lean CLAY
DL/DH	ORGANIC SILL
PT	PEAT
Rock	Rock
Sandstone	Sandstone
SC	CLAYEY SAND
SC-SM	SILT, CLAYEY SAND
SHALE	Shale
SILTSTONE	Siltstone
SM	SILTY SAND
SP	Poorly Graded SAND
SP-SC	Poorly Graded SAND with CLAY
SP-SM	Poorly Graded SAND with SILT
SW	Well graded SAND
SW-SC	Well Graded SAND with CLAY
SW-SM	Well Graded SAND with SILT
Topsoll	Topsoll
USGS 601	Gravel or Conglomerate 1
USGS 654	Subgraywacke
USGS 670	Interbedded Sandstone and Shale
USGS 702	Quartzite
USGS 705	Schist
USGS 705	Schist
USGS 708	Gneiss
USGS 708	Gneiss
USGS 718	Granite 1
Void	Void
Water	Water
Weathered Rock	Undefined
Water Table	Water Table during drilling
Delayed Water Table	Water Table after drilling

BORING LOG STRIP LEGEND	
Blow Counts per 6" = 10-10-10	B101
Recovery %/RQD % = 95%/90%	11000psi =UCS
2D strip logs shown at 10x exaggeration 3D strip logs have no exaggeration	



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0	04/05/2023	FINAL EM&CP SUBMISSION	MCS	JEO

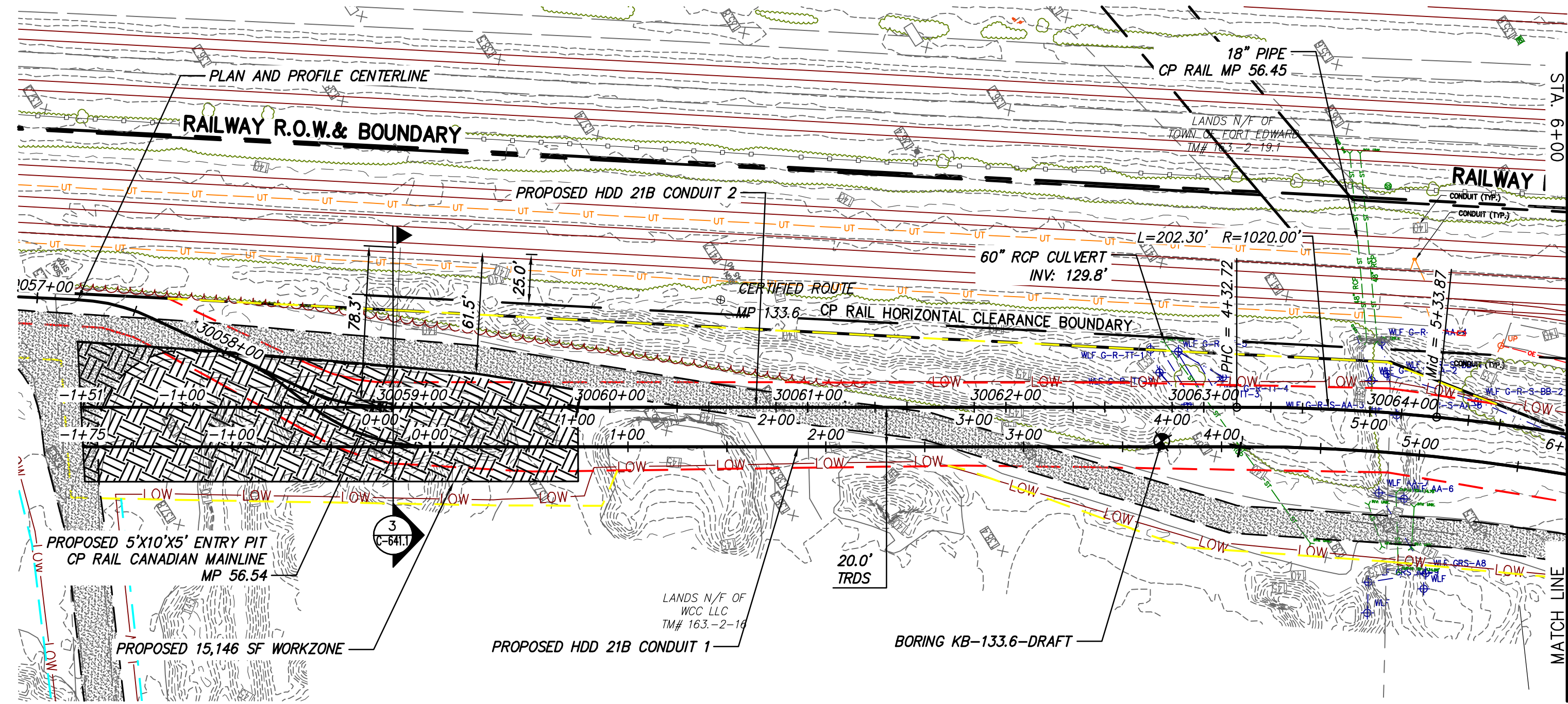
**CHAMPLAIN HUDSON POWER EXPRESS**  
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON  
PLAN AND PROFILE - HDD 21B, CONDUIT 1

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	086076
DRAWING NO.	<b>C-301.1</b>
DATE	04/05/2023
SH.NO.	

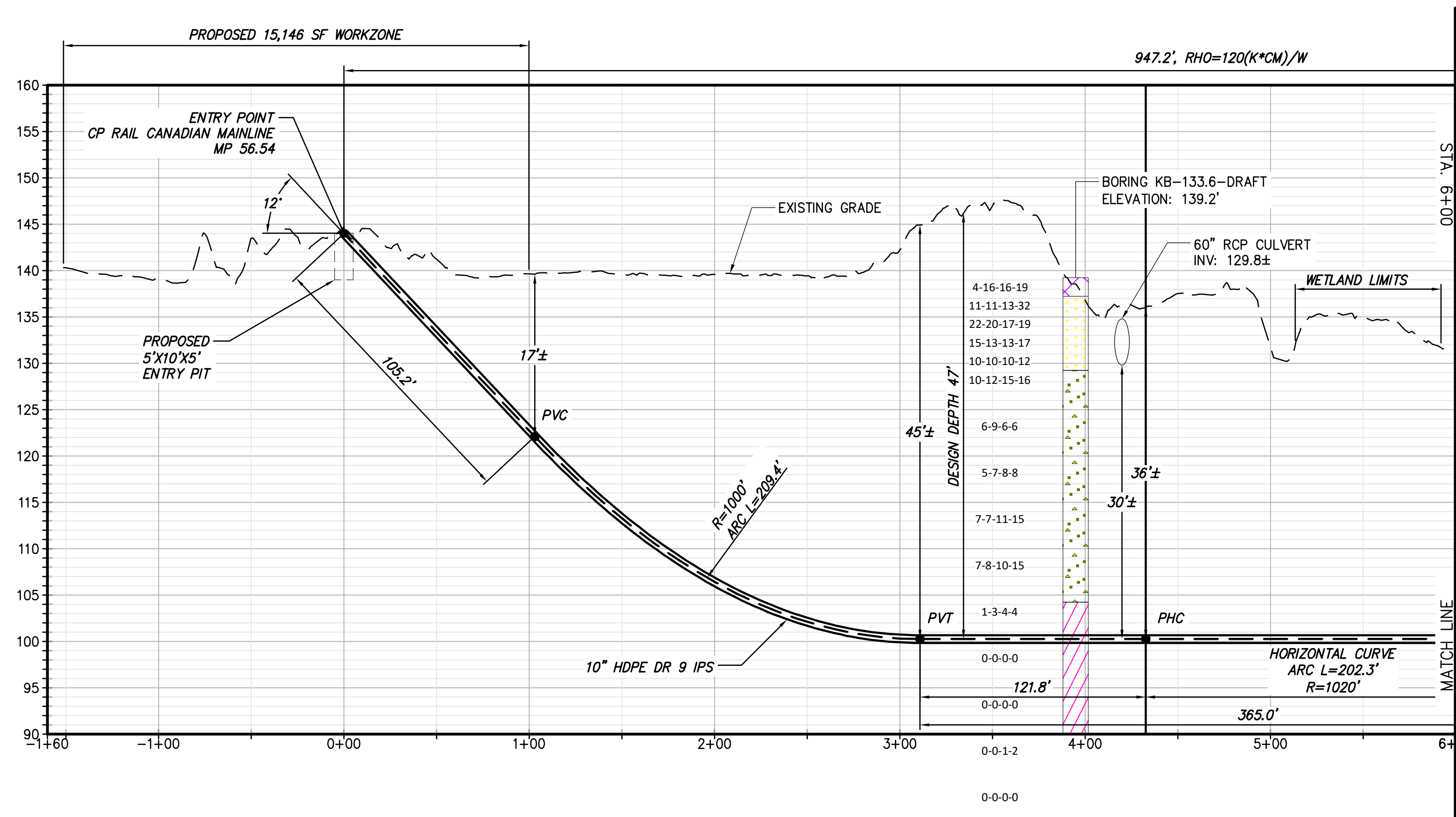
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REV. NO. X SH.NO.

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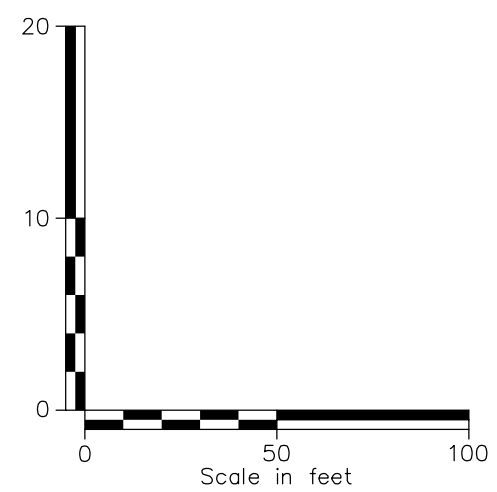
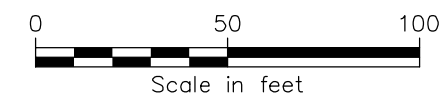




PROPOSED HDD 21B PLAN VIEW CONDUIT 2



PROPOSED HDD 21B PROFILE CONDUIT 2



Legend	
ASPHALT	Asphalt
Bedrock	Bedrock
Boulder	Boulder
CH	Fat CLAY
CH-MH	SILTY Fat CLAY
CL	Lean CLAY
CL-ML	SILTY CLAY
CDNCRETE	Concrete
FILL	Fill
GC	CLAYEY GRAVEL
GC-GM	SILTY CLAYEY GRAVEL
GM	SILTY GRAVEL
GP	Poorly Graded GRAVEL
GP-GC	Poorly Graded Gravel with CLAY
GP-GM	Poorly Graded GRAVEL with SILT
GW	Well Graded GRAVEL
GW-GC	Well Graded GRAVEL with CLAY
GW-GM	Well Graded GRAVEL with SILT
Limestone	Limestone
MH	Elastic SILT
ML	SILT
DH	ORGANIC Fat CLAY
DL	ORGANIC Lean CLAY
DL/DH	ORGANIC SILL
PT	PEAT
Rock	Rock
Sandstone	Sandstone
SC	CLAYEY SAND
SC-SM	SILT, CLAYEY SAND
SHALE	Shale
SILTSTONE	Siltstone
SM	SILTY SAND
SP	Poorly Graded SAND
SP-SC	Poorly Graded SAND with CLAY
SP-SM	Poorly Graded SAND with SILT
SW	Well graded SAND
SW-SC	Well Graded SAND with CLAY
SW-SM	Well Graded SAND with SILT
Topsoll	Topsoll
USGS 601	Gravel or Conglomerate 1
USGS 654	Subgraywacke
USGS 670	Interbedded Sandstone and Shale
USGS 702	Quartzite
USGS 705	Schist
USGS 705	Schist
USGS 708	Gneiss
USGS 708	Gneiss
USGS 718	Granite 1
Void	Void
Water	Water
Weathered Rock	Weathered
Water Table	Water Table during drilling
Delayed Water Table	Water Table after drilling

BORING LOG STRIP LEGEND	
B101	11000psi = UCS
Blow Counts per 6" = 10-10-10	
Recovery %/RQD % = 95%/90%	
2D strip logs shown at 10x exaggeration	
3D strip logs have no exaggeration	



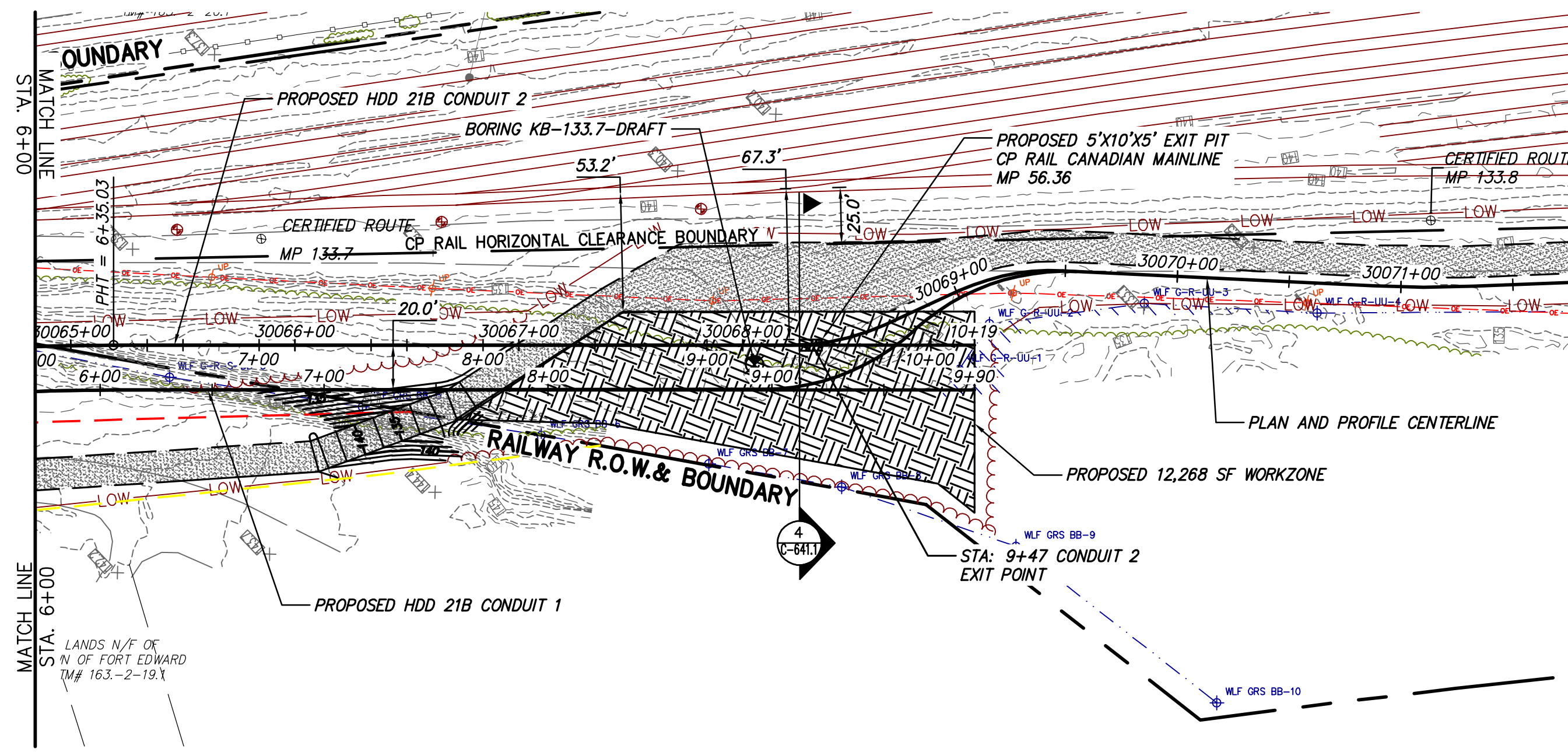
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**CHAMPLAIN HUDSON POWER EXPRESS**  
**SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON**  
**PLAN AND PROFILE - HDD 21B, CONDUIT 2**

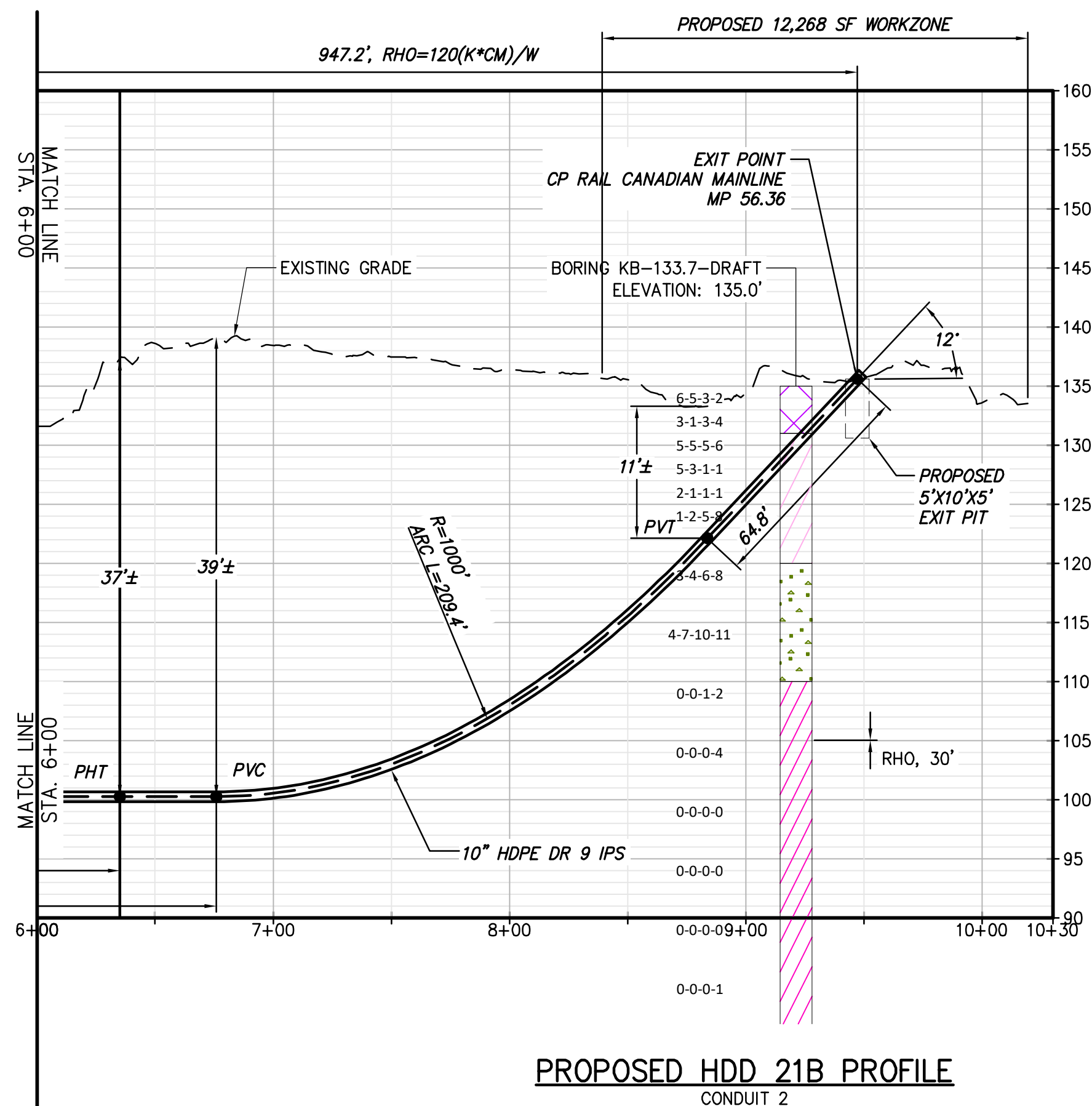
KIEWIT PROJECT NO. 21162  
 CHA PROJECT NO. 086076  
 DRAWING NO. **C-301A**

No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DRAWN BY:	DESIGNED BY:	APPROVED BY:	SCALE	AS NOTED	DATE
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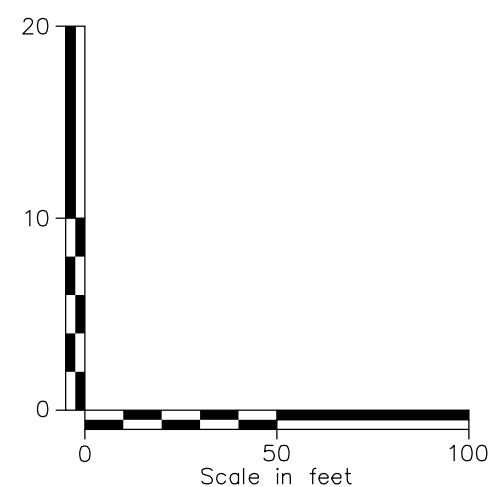
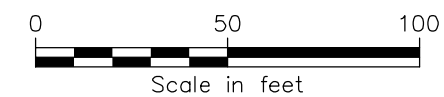




PROPOSED HDD 21B PLAN VIEW CONDUIT 2



PROPOSED HDD 21B PROFILE CONDUIT 2



Legend	
ASPHALT	Asphalt
Bedrock	Bedrock
Boulder	Boulder
CH	Fat CLAY
CH-MH	SILTY Fat CLAY
CL	Lean CLAY
CL-ML	SILTY CLAY
CDNCRETE	Concrete
FILL	Fill
GC	CLAYEY GRAVEL
GC-GM	SILTY CLAYEY GRAVEL
GM	SILTY GRAVEL
GP	Poorly Graded GRAVEL
GP-GC	Poorly Graded Gravel with CLAY
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GW	Well Graded GRAVEL
GW-GC	Well Graded GRAVEL with CLAY
GW-GM	Well Graded GRAVEL with SILT
Limestone	Limestone
MH	Elastic SILT
ML	SILT
DH	ORGANIC Fat CLAY
DL	ORGANIC Lean CLAY
DL/DH	ORGANIC SILT
PT	PEAT
Rock	Rock
Sandstone	Sandstone
SC	CLAYEY SAND
SC-SM	SILT, CLAYEY SAND
SHALE	Shale
SILTSTONE	Siltstone
SM	SILTY SAND
SP	Poorly Graded SAND
SP-SC	Poorly Graded SAND with CLAY
SP-SM	Poorly Graded SAND with SILT
SW	Well graded SAND
SW-SC	Well Graded SAND with CLAY
SW-SM	Well Graded SAND with SILT
Topsoll	Topsoll
USGS 601	Gravel or Conglomerate 1
USGS 654	Subgraywacke
USGS 670	Interbedded Sandstone and Shale
USGS 702	Quartzite
USGS 705	Schist
USGS 705	Schist
USGS 708	Gneiss
USGS 708	Gneiss
USGS 718	Granite 1
Void	Void
Water	Water
Weathered Rock	Undefined
Water Table	Water Table during drilling
Delayed Water Table	Water Table after drilling

BORING LOG STRIP LEGEND	
Blow Counts per 6" = 10-10-10	B101
Recovery %/RQD % = 95%/90%	11000psi = UCS
2D strip logs shown at 10x exaggeration	
3D strip logs have no exaggeration	

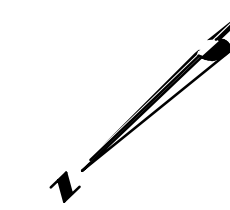


IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE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

CHAMPLAIN HUDSON POWER EXPRESS SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON PLAN AND PROFILE - HDD 21B, CONDUIT 2				KIEWIT PROJECT NO. 21162 CHA PROJECT NO. 086076 DRAWING NO. <b>C-301A.1</b>	
0	04/05/2023	FINAL EM&CP SUBMISSION	MCS	JEO	
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	
DRAWN BY: RAC DESIGNED BY: RAC APPROVED BY: JEO			SCALE	AS NOTED	DATE
			REV. NO.	X	SH.NO.
					04/05/2023

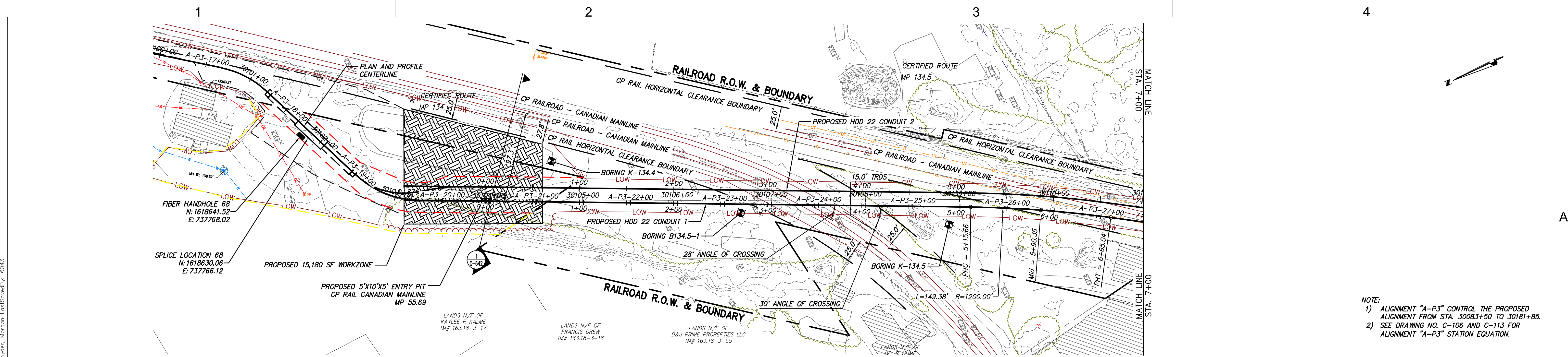
A

B

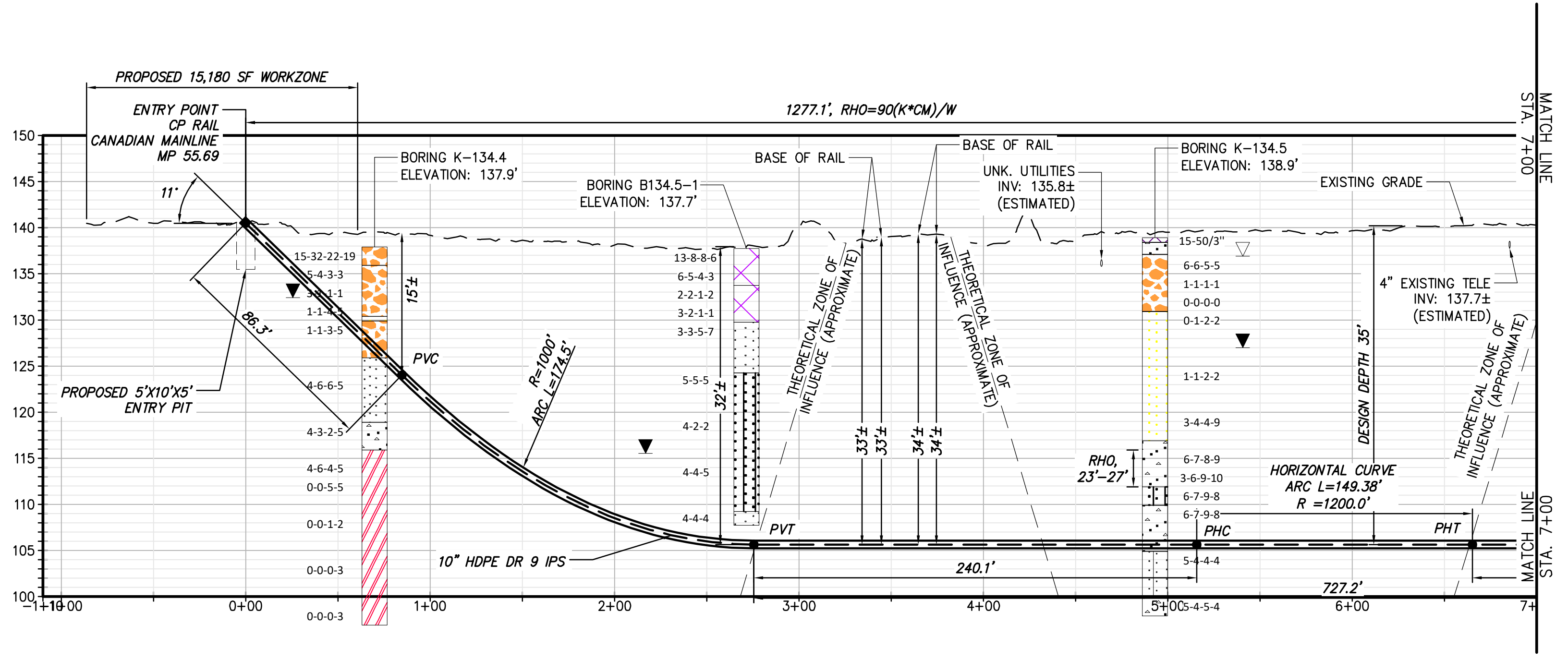


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PROPOSED HDD 22 PLAN VIEW  
CONDUIT 1

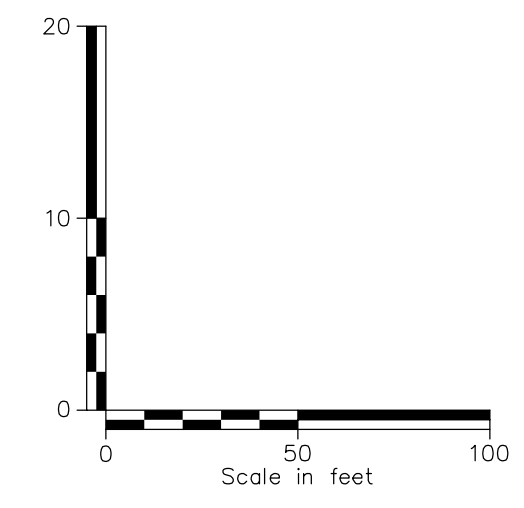
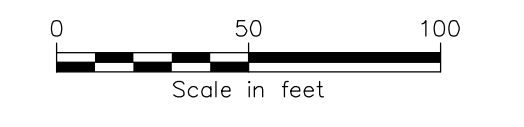


PROPOSED HDD 22 PROFILE  
CONDUIT 1

- NOTE:  
 1) ALIGNMENT "A-P3" CONTROL THE PROPOSED ALIGNMENT FROM STA. 30083+50 TO 30181+85.  
 2) SEE DRAWING NO. C-106 AND C-113 FOR ALIGNMENT "A-P3" STATION EQUATION.

Legend	
ASPHALT	Asphalt
Bedrock	Bedrock
Boulder	Boulder
CH	Fat CLAY
CH-MH	SILTY Fat CLAY
CL	Lean CLAY
CL-ML	SILTY CLAY
CDNCRETE	Concrete
FILL	Fill
GC	CLAYEY GRAVEL
GC-GM	SILTY CLAYEY GRAVEL
GM	SILTY GRAVEL
GP	Poorly Graded GRAVEL
GP-GC	Poorly Graded Gravel with CLAY
GP-GM	Poorly Graded GRAVEL with SILT
GW	Well Graded GRAVEL
GW-GC	Well Graded GRAVEL with CLAY
GW-GM	Well Graded GRAVEL with SILT
Limestone	Limestone
MH	Elastic SILT
ML	SILT
OH	ORGANIC Fat CLAY
OL	ORGANIC Lean CLAY
OL/OH	ORGANIC SILT
PT	PEAT
Rock	Rock
Sandstone	Sandstone
SC	CLAYEY SAND
SC-SM	SILT, CLAYEY SAND
SHALE	Shale
SILTSTONE	Siltstone
SM	SILTY SAND
SP	Poorly Graded SAND
SP-SC	Poorly Graded SAND with CLAY
SP-SM	Poorly Graded SAND with SILT
SW	Well graded SAND
SW-SC	Well Graded SAND with CLAY
SW-SM	Well Graded SAND with SILT
Topsoll	Topsoll
USGS 601	Gravel or Conglomerate 1
USGS 654	Subgraywacke
USGS 670	Interbedded Sandstone and Shale
USGS 702	Quartzite
USGS 705	Schist
USGS 705	Schist
USGS 708	Gneiss
USGS 708	Gneiss
USGS 718	Granite 1
Void	Void
Water	Water
Weathered Rock	Undefined
Water Table	Water Table during drilling
Water Table	Water Table after drilling

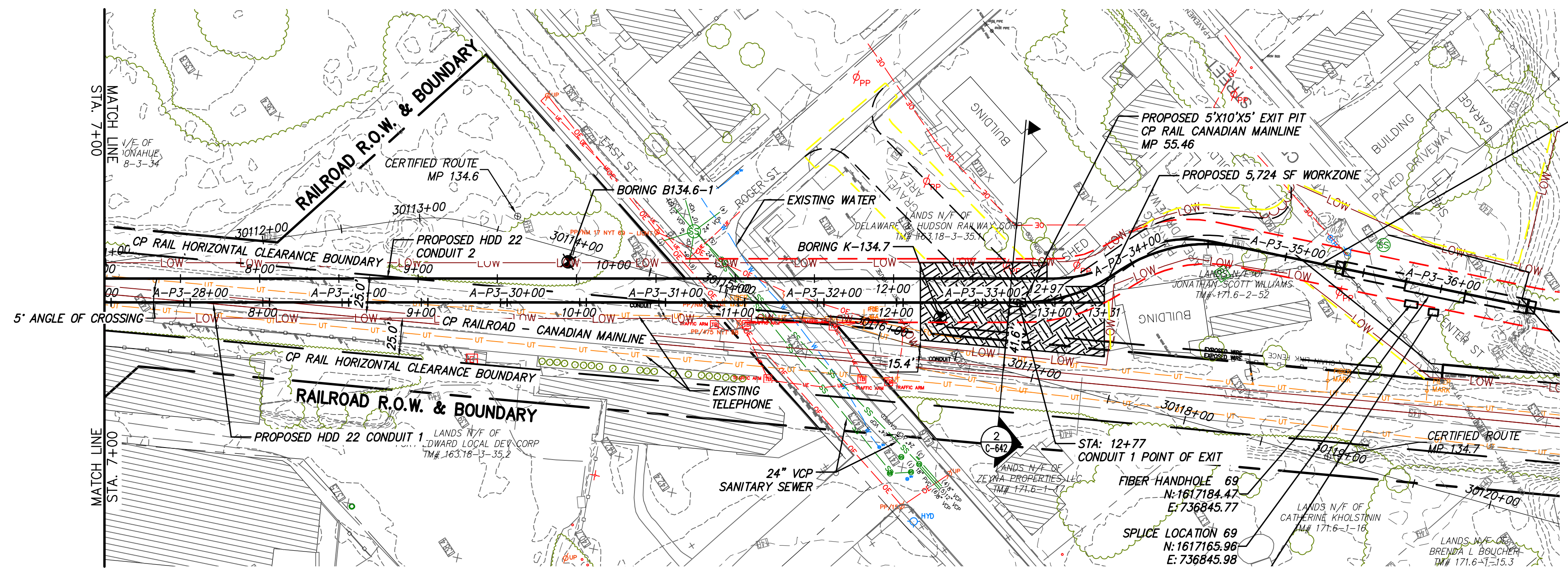
BORING LOG STRIP LEGEND	
Blow Counts per 6" = 10-10-10	11000psi = UCS
Recovery %/RQD % = 95%/90%	
2D strip logs shown at 10x exaggeration	
3D strip logs have no exaggeration	



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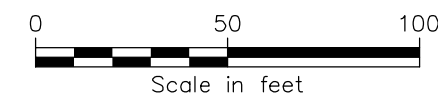
CHAMPLAIN HUDSON POWER EXPRESS SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON PLAN AND PROFILE - HDD 22, CONDUIT 1		KIEWIT PROJECT NO. 21162 CHA PROJECT NO. 086076 DRAWING NO. <b>C-302</b>	
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB APP
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DRAWN BY: CZ		DESIGNED BY: CZ	APPROVED BY: JEO
SCALE	AS NOTED	DATE	04/05/2023
REV. NO.	X	SH.NO.	



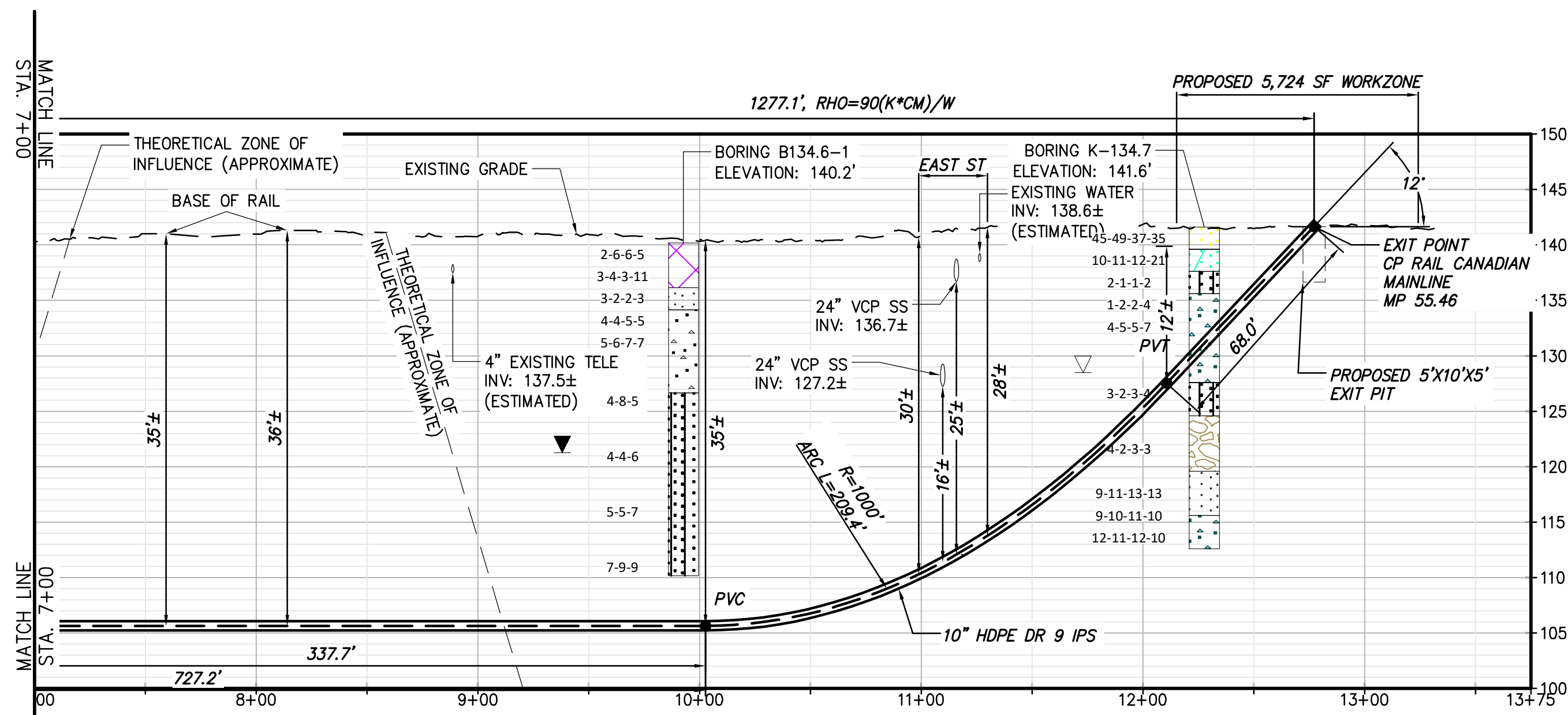


PLAN AND PROFILE CENTERLINE

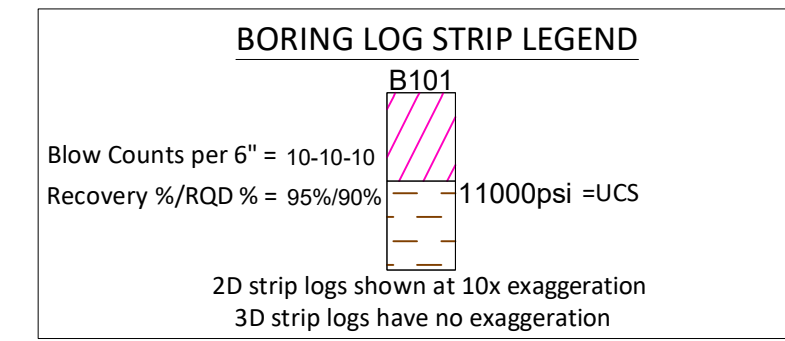
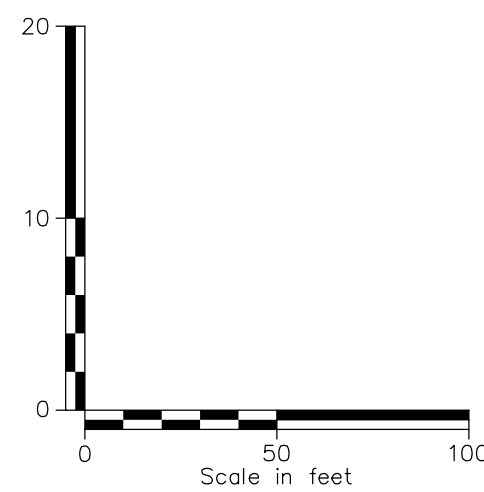
- NOTE:
- ALIGNMENT "A-P3" CONTROL THE PROPOSED ALIGNMENT FROM STA. 30083+50 TO 30181+85.
  - SEE DRAWING NO. C-106 AND C-113 FOR ALIGNMENT "A-P3" STATION EQUATION.



PROPOSED HDD 22 PLAN VIEW CONDUIT 1



PROPOSED HDD 22 PROFILE CONDUIT 1



Legend	
ASPHALT	Asphalt
Bedrock	Bedrock
Boulder	Boulder
CH	Fat CLAY
CH-MH	SILTY Fat CLAY
CL	Lean CLAY
CL-ML	SILTY CLAY
CDNCRETE	Concrete
FILL	Fill
GC	CLAYEY GRAVEL
GC-GM	SILTY CLAYEY GRAVEL
GM	SILTY GRAVEL
GP	Poorly Graded GRAVEL
GP-GC	Poorly Graded Gravel with CLAY
GP-GM	Poorly Graded GRAVEL with SILT
GW	Well Graded GRAVEL
GW-GC	Well Graded GRAVEL with CLAY
GW-GM	Well Graded GRAVEL with SILT
Limestone	Limestone
MH	Elastic SILT
ML	SILT
DH	ORGANIC Fat CLAY
DL	ORGANIC Lean CLAY
DL/DH	ORGANIC SILT
PT	PEAT
Rock	Rock
Sandstone	Sandstone
SC	CLAYEY SAND
SC-SM	SILT, CLAYEY SAND
SHALE	Shale
SILTSTONE	Siltstone
SM	SILTY SAND
SP	Poorly Graded SAND
SP-SC	Poorly Graded SAND with CLAY
SP-SM	Poorly Graded SAND with SILT
SW	Well graded SAND
SW-SC	Well Graded SAND with CLAY
SW-SM	Well Graded SAND with SILT
Topsoll	Topsoll
USGS 601	Gravel or Conglomerate 1
USGS 654	Subgraywacke
USGS 670	Interbedded Sandstone and Shale
USGS 702	Quartzite
USGS 705	Schist
USGS 705	Schist
USGS 708	Gneiss
USGS 708	Gneiss
USGS 718	Granite 1
Void	Void
Water	Water
Weathered Rock	Undefined
Water Table	Water Table during drilling
Delayed Water Table	Water Table after drilling



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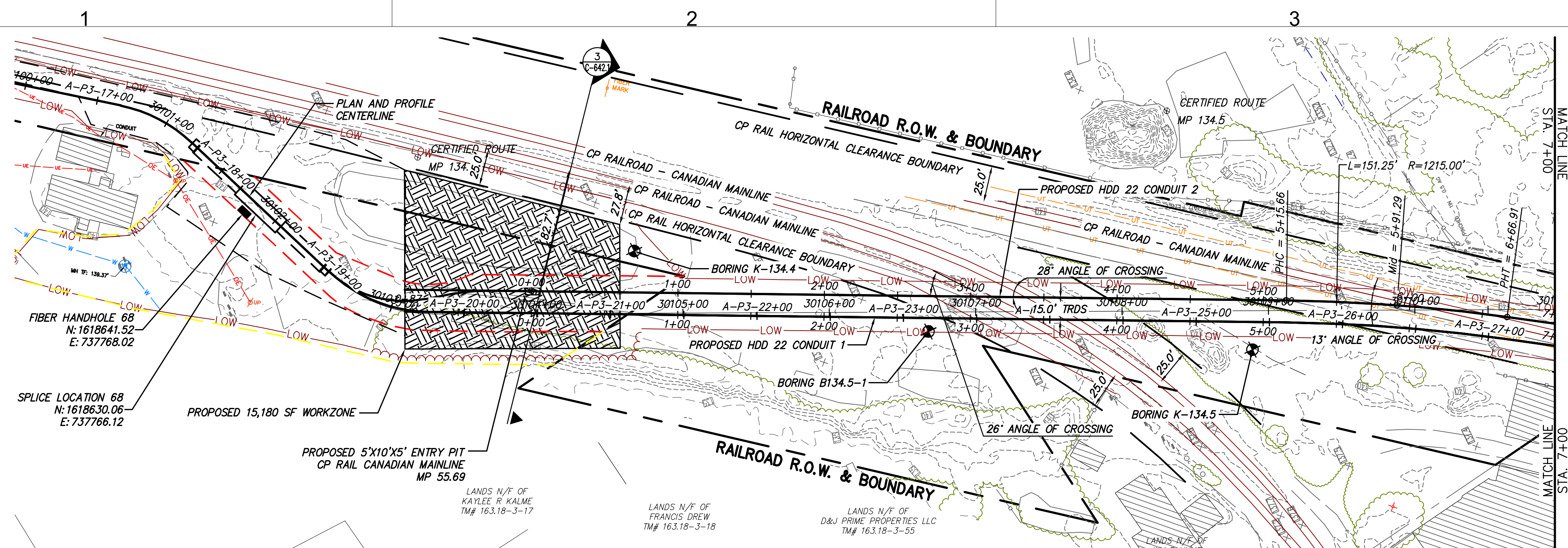
CHAMPLAIN HUDSON POWER EXPRESS  
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON  
PLAN AND PROFILE - HDD 22, CONDUIT 1

KIEWIT PROJECT NO. 21162  
CHA PROJECT NO. 086076  
DRAWING NO. C-302.1

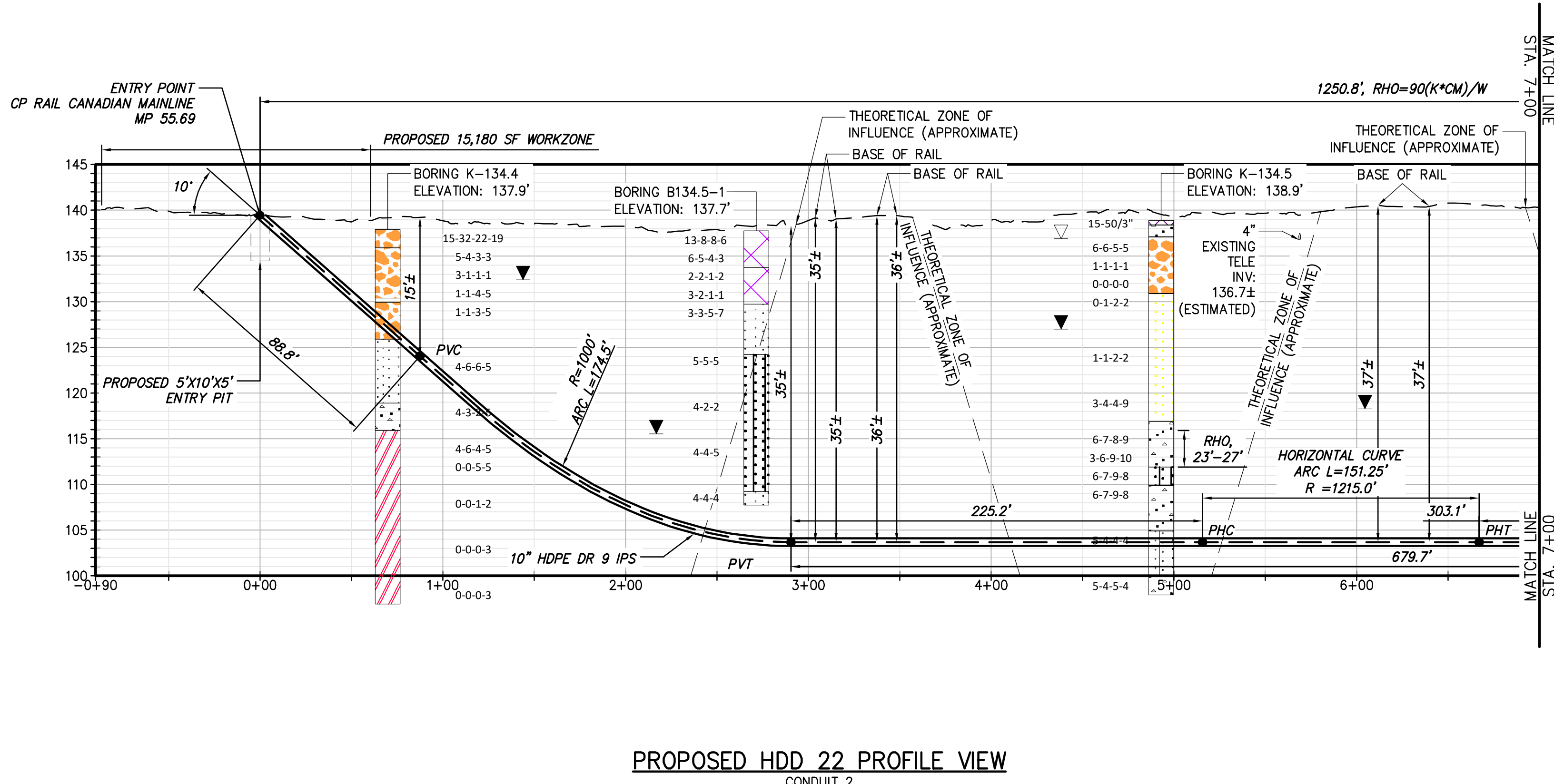
0	04/05/2023	FINAL EM&CP SUBMISSION	MCS	JEO
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP

DRAWN BY: CZ DESIGNED BY: CZ APPROVED BY: JEO SCALE AS NOTED DATE 04/05/2023  
REV. NO. X SH.NO.





PROPOSED HDD 22 PLAN VIEW  
CONDUIT 2

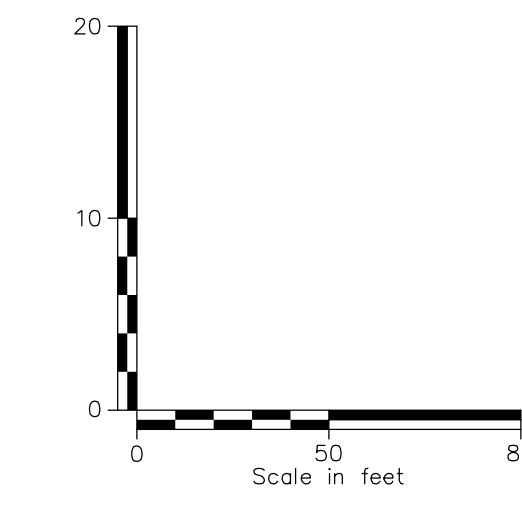
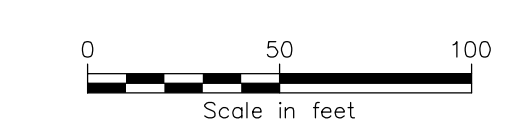


PROPOSED HDD 22 PROFILE VIEW  
CONDUIT 2

- NOTE:
- 1) ALIGNMENT "A-P3" CONTROL THE PROPOSED ALIGNMENT FROM STA. 30083+50 TO 30181+85.
  - 2) SEE DRAWING NO. C-106 AND C-113 FOR ALIGNMENT "A-P3" STATION EQUATION.

Legend	
ASPHALT	Asphalt
Bedrock	Bedrock
Boulder	Boulder
CH	Fat CLAY
CH-MH	SILTY Fat CLAY
CL	Lean CLAY
CL-ML	SILTY CLAY
CDNCRETE	Concrete
FILL	Fill
GC	CLAYEY GRAVEL
GC-GM	SILTY CLAYEY GRAVEL
GM	SILTY GRAVEL
GP	Poorly Graded GRAVEL
GP-GC	Poorly Graded Gravel with CLAY
GP-GM	Poorly Graded GRAVEL with SILT
GW	Well Graded GRAVEL
GW-GC	Well Graded GRAVEL with CLAY
GW-GM	Well Graded GRAVEL with SILT
Limestone	Limestone
MH	Elastic SILT
ML	SILT
DH	ORGANIC Fat CLAY
DL	ORGANIC Lean CLAY
DL/DH	ORGANIC SILT
PT	PEAT
Rock	Rock
Sandstone	Sandstone
SC	CLAYEY SAND
SC-SM	SILT, CLAYEY SAND
SHALE	Shale
SILTSTONE	Siltstone
SM	SILTY SAND
SP	Poorly Graded SAND
SP-SC	Poorly Graded SAND with CLAY
SP-SM	Poorly Graded SAND with SILT
SW	Well graded SAND
SW-SC	Well Graded SAND with CLAY
SW-SM	Well Graded SAND with SILT
Topsoil	Topsoil
USGS 601	Gravel or Conglomerate 1
USGS 654	Subgraywacke
USGS 670	Interbedded Sandstone and Shale
USGS 702	Quartzite
USGS 705	Schist
USGS 705	Schist
USGS 708	Gneiss
USGS 708	Gneiss
USGS 718	Granite 1
Void	Void
Water	Water
Weathered Rock	Weathered
Water Table	Water Table during drilling
Delayed Water Table	Water Table after drilling

BORING LOG STRIP LEGEND	
B101	11000psi = UCS
Blow Counts per 6" = 10-10-10	
Recovery %/RQD % = 95%/90%	
2D strip logs shown at 10x exaggeration 3D strip logs have no exaggeration	



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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DRAWN BY:	DESIGNED BY:	APPROVED BY:	SCALE	AS NOTED	DATE
0	04/05/2023	FINAL EM&CP SUBMISSION								04/05/2023
					CZ	CZ	JEO			

CHAMPLAIN HUDSON POWER EXPRESS  
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON  
PLAN AND PROFILE - HDD 22, CONDUIT 2

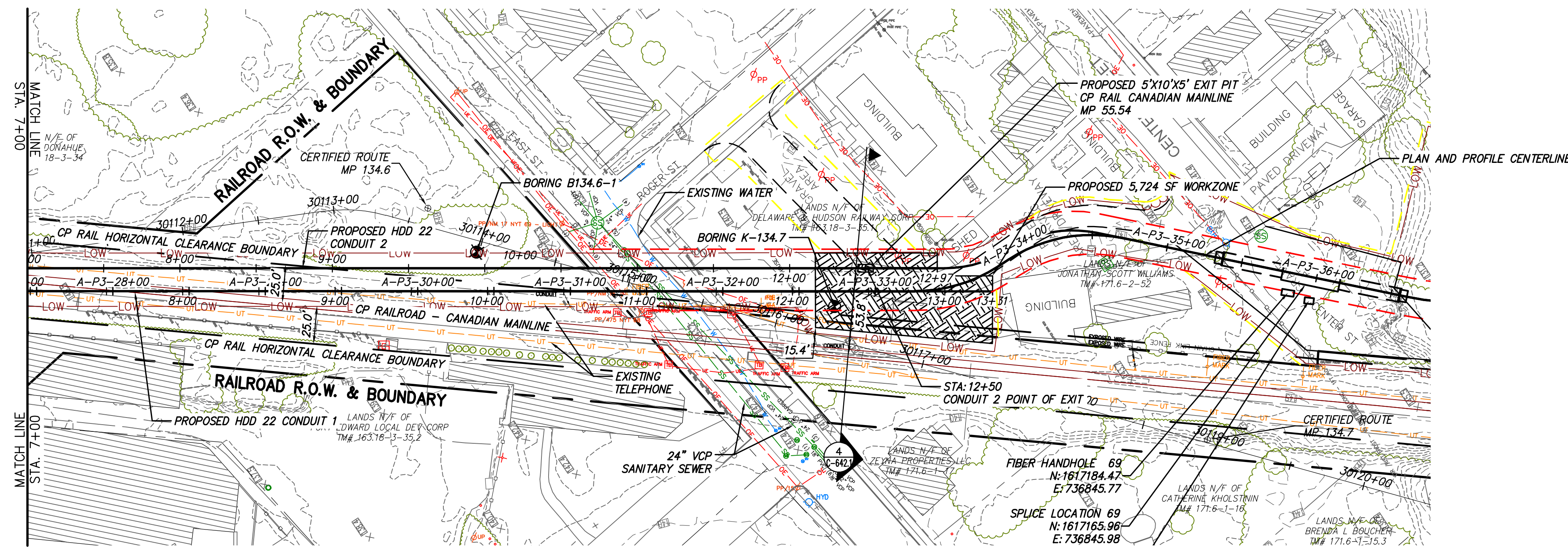
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CHA PROJECT NO. 086076  
DRAWING NO. C-302A

A

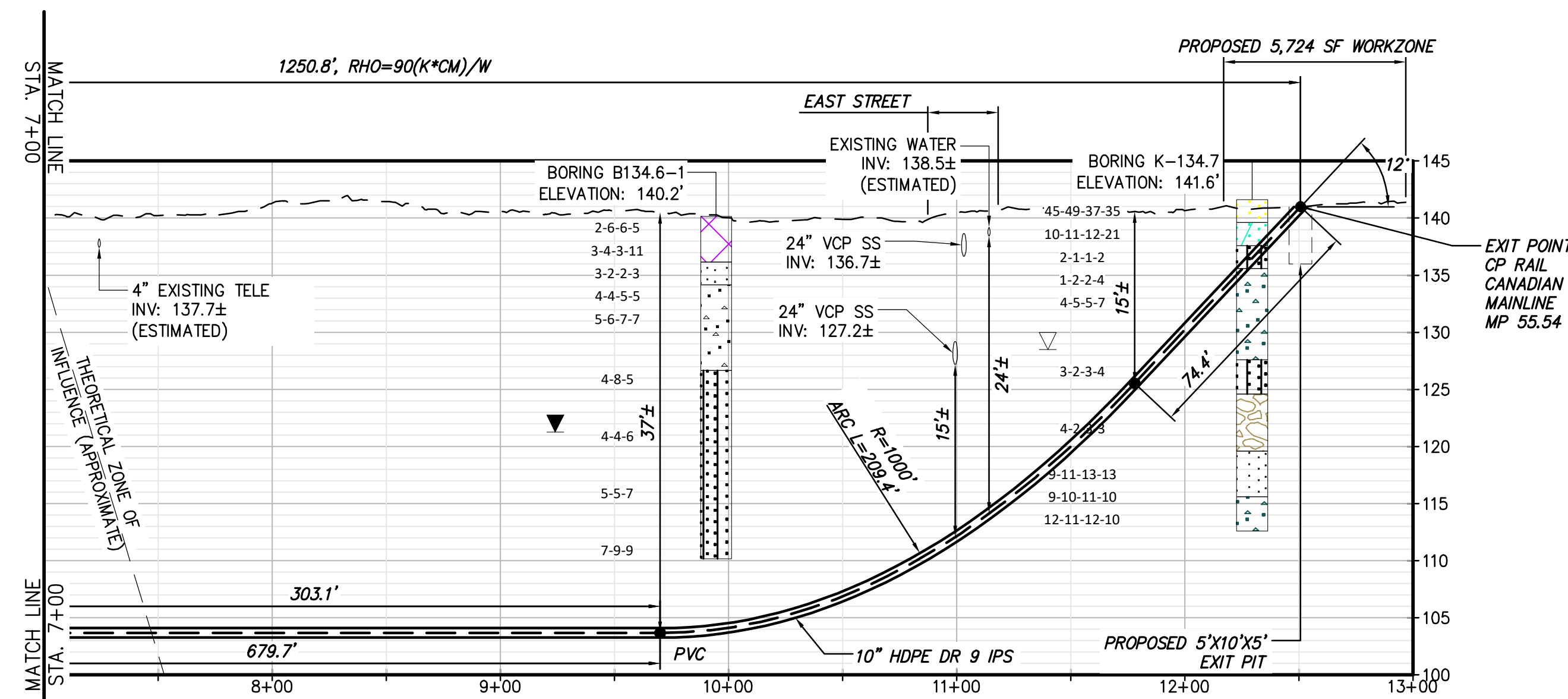
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**PROPOSED HDD 22 PLAN VIEW**  
CONDUIT 2

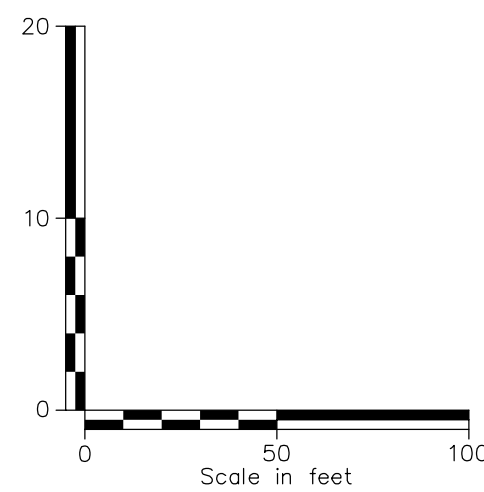
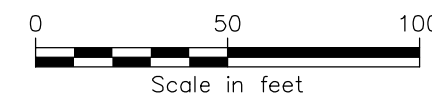


**PROPOSED HDD 22 PROFILE**  
CONDUIT 2

- NOTE:
- 1) ALIGNMENT "A-P3" CONTROL THE PROPOSED ALIGNMENT FROM STA. 30083+50 TO 30181+85.
  - 2) SEE DRAWING NO. C-106 AND C-113 FOR ALIGNMENT "A-P3" STATION EQUATION.

Legend	
[Symbol]	ASPHALT
[Symbol]	Bedrock
[Symbol]	Boulder
[Symbol]	CH
[Symbol]	CH-MH
[Symbol]	CL
[Symbol]	CL-ML
[Symbol]	CDNCRETE
[Symbol]	FILL
[Symbol]	GC
[Symbol]	GC-GM
[Symbol]	GM
[Symbol]	GP
[Symbol]	GP-GC
[Symbol]	GP-GM
[Symbol]	GW
[Symbol]	GW-GC
[Symbol]	GW-GM
[Symbol]	Limestone
[Symbol]	MH
[Symbol]	ML
[Symbol]	DH
[Symbol]	DL
[Symbol]	DL/DH
[Symbol]	PT
[Symbol]	Rock
[Symbol]	Sandstone
[Symbol]	SC
[Symbol]	SC-SM
[Symbol]	SHALE
[Symbol]	SILTSTONE
[Symbol]	SM
[Symbol]	SP
[Symbol]	SP-SC
[Symbol]	SP-SM
[Symbol]	SW
[Symbol]	SW-SC
[Symbol]	SW-SM
[Symbol]	Topsail
[Symbol]	USGS 601
[Symbol]	USGS 654
[Symbol]	USGS 670
[Symbol]	USGS 702
[Symbol]	USGS 705
[Symbol]	USGS 705
[Symbol]	USGS 708
[Symbol]	USGS 708
[Symbol]	USGS 718
[Symbol]	Void
[Symbol]	Water
[Symbol]	Weathered Rock
[Symbol]	USGS 654
[Symbol]	USGS 670
[Symbol]	USGS 702
[Symbol]	USGS 705
[Symbol]	USGS 705
[Symbol]	USGS 708
[Symbol]	USGS 708
[Symbol]	USGS 718
[Symbol]	Void
[Symbol]	Water
[Symbol]	Weathered Rock
[Symbol]	Water Table during drilling
[Symbol]	Delayed Water Table

BORING LOG STRIP LEGEND	
[Symbol]	B101
[Symbol]	Blow Counts per 6" = 10-10-10
[Symbol]	Recovery %/RQD % = 95%/90%
[Symbol]	11000psi = UCS
[Symbol]	2D strip logs shown at 10x exaggeration
[Symbol]	3D strip logs have no exaggeration

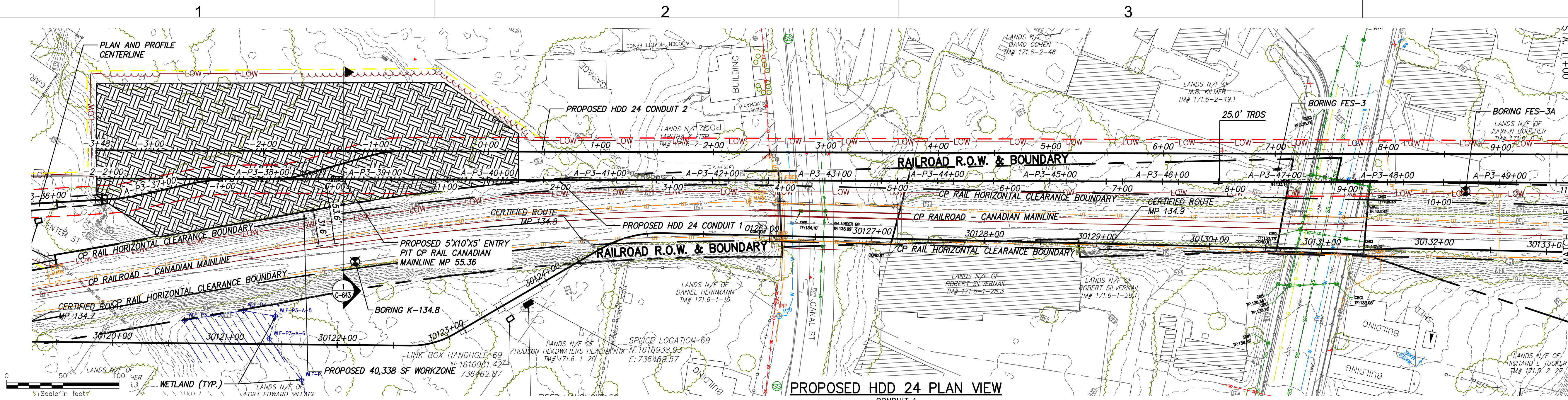


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CHAMPLAIN HUDSON POWER EXPRESS				KIEWIT PROJECT NO. 21162	
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON				CHA PROJECT NO. 086076	
PLAN AND PROFILE - HDD 22, CONDUIT 2				DRAWING NO. C-302A.1	
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DATE
0	04/05/2023	FINAL EM&CP SUBMISSION	MCS	JEO	04/05/2023
DRAWN BY: CZ			DESIGNED BY: CZ		SCALE: AS NOTED
APPROVED BY: JEO			DATE: 04/05/2023		SH.NO. X



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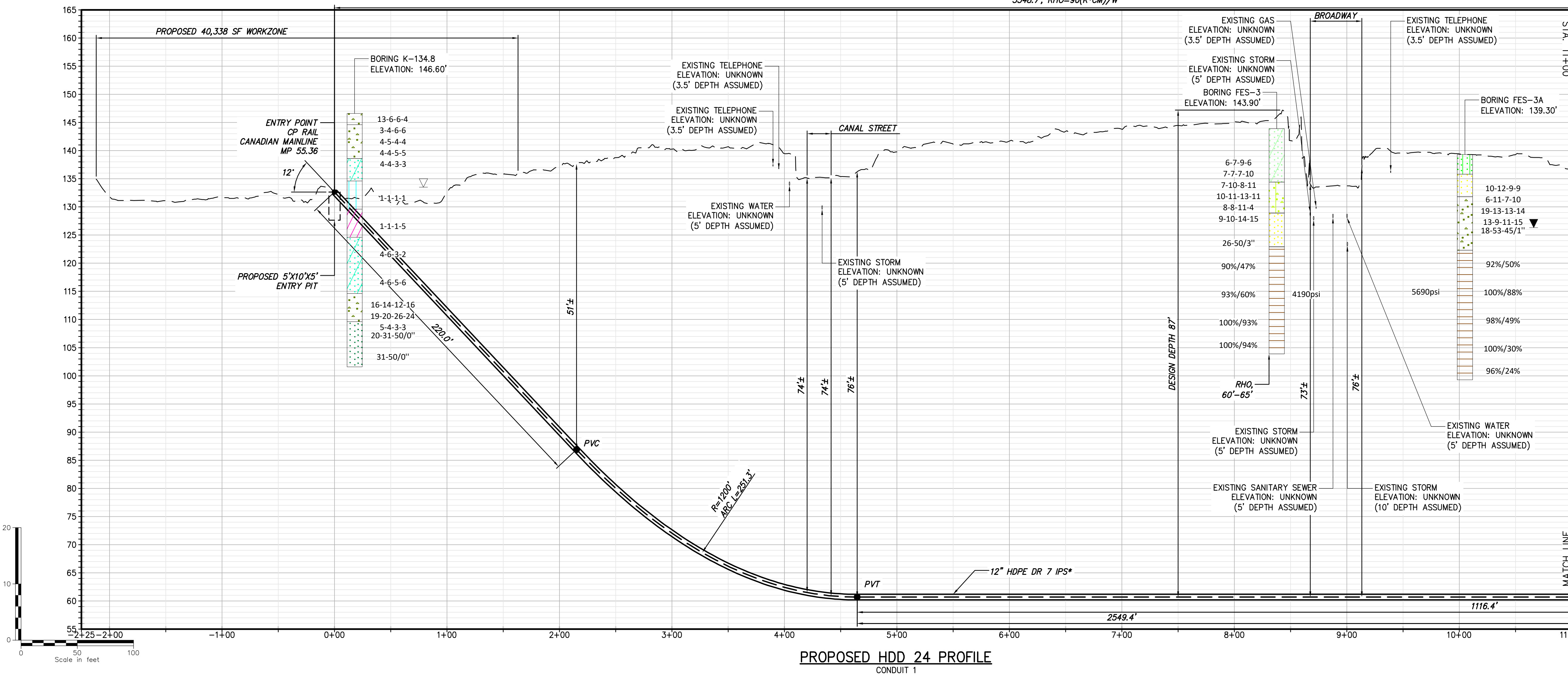
**NOTE:**

- 1) EACH HDD CONSISTS OF A PAIR OF (2) HVDC ELECTRICAL TRANSMISSION CABLES HOUSED IN INDIVIDUAL 12" DIAMETER CASINGS/CONDUITS, HDPE DR 7, AND A THIRD 3" DIAMETER CASING/CONDUIT, HDPE DR 7, WILL BE BUNDLED IN PULLBACK WITH ONE OF THE 12" CASINGS/CONDUITS FOR A TELECOMMUNICATION LINE.
- 2) THIS DESIGN IS UNDER FURTHER EVALUATION PENDING AN ADDITIONAL GEOTECHNICAL INVESTIGATION.
- 3) THE USE OF CONDUCTOR CASINGS IS RECOMMENDED TO MITIGATE THE POTENTIAL RELEASE OF THE DRILLING FLUIDS.
- 4) AN INTERSECTING BORE METHOD IS RECOMMENDED TO REDUCE DRILLING FLUID PRESSURES AT THE SOUTHERN END OF HDD ALIGNMENT.
- 5) ALIGNMENT "A-P3" CONTROL THE PROPOSED ALIGNMENT FROM STA. 30083+50 TO 30181+85.
- 6) SEE DRAWING NO. C-106 AND C-113 FOR ALIGNMENT "A-P3" STATION EQUATION.

**BORING LOG STRIP LEGEND**

Blow Counts per 6" = 10-10-10  
 Recovery %/RQD % = 95%/90%  
 11000psi = UCS

2D strip logs shown at 10x exaggeration  
 3D strip logs have no exaggeration



Legend	
ASPHALT	Asphalt
Bedrock	Bedrock
Boulder	Boulder
CH	Fat CLAY
CH-MH	SILTY Fat CLAY
CL	Lean CLAY
CL-ML	SILTY CLAY
CONCRETE	Concrete
FILL	Fill
GC	CLAYEY GRAVEL
GC-GM	SILTY CLAYEY GRAVEL
GM	SILTY GRAVEL
GP	Poorly Graded GRAVEL
GP-GC	Poorly Graded Gravel with CLAY
GP-GM	Poorly Graded GRAVEL with SILT
GW	Well Graded GRAVEL
GW-GC	Well Graded GRAVEL with CLAY
GW-GM	Well Graded GRAVEL with SILT
Limestone	Limestone
MH	Elastic SILT
ML	SILT
DH	ORGANIC Fat CLAY
DL/DH	ORGANIC Lean CLAY
PT	PEAT
Rock	Rock
Sandstone	Sandstone
SC	CLAYEY SAND
SC-SM	SILT, CLAYEY SAND
SHALE	Shale
SILTSTONE	Siltstone
SM	SILTY SAND
SP	Poorly Graded SAND
SP-SC	Poorly Graded SAND with CLAY
SP-SM	Poorly Graded SAND with SILT
SW	Well graded SAND
SW-SC	Well Graded SAND with CLAY
SW-SM	Well Graded SAND with SILT
Topsoll	Topsoll
USGS 601	Gravel or Conglomerate 1
USGS 654	Subgraywacke
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USGS 702	Quartzite
USGS 705	Schist
USGS 705	Schist
USGS 708	Gneiss
USGS 708	Gneiss
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Void	Void
Water	Water
Weathered Rock	Undefined
Water Table	Water Table during drilling
Delayed Water Table	Water Table after drilling



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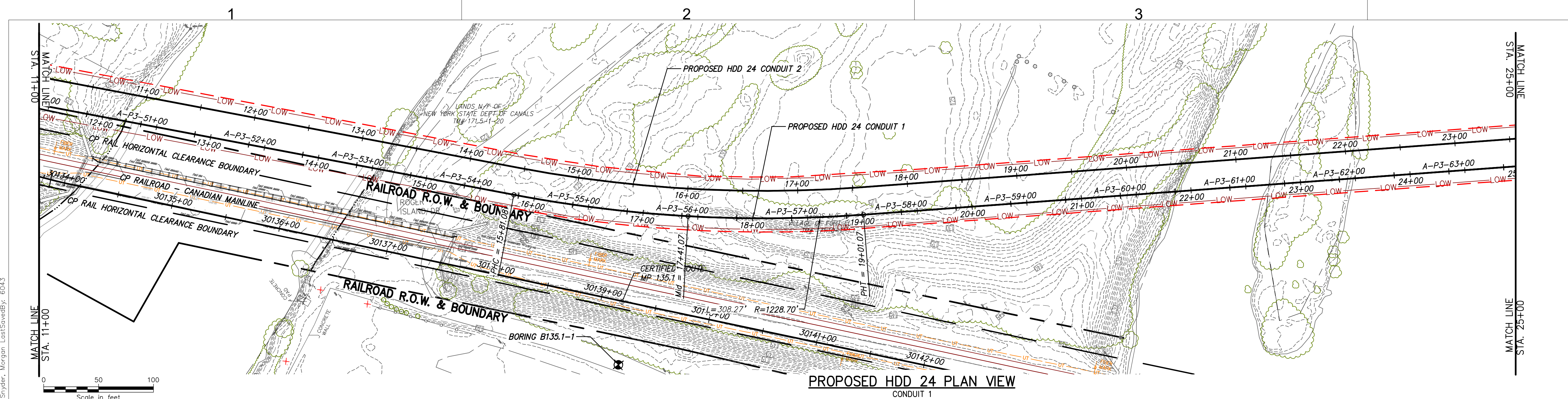
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
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**CHAMPLAIN HUDSON POWER EXPRESS  
 SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON  
 PLAN AND PROFILE - HDD 24, CONDUIT 1**

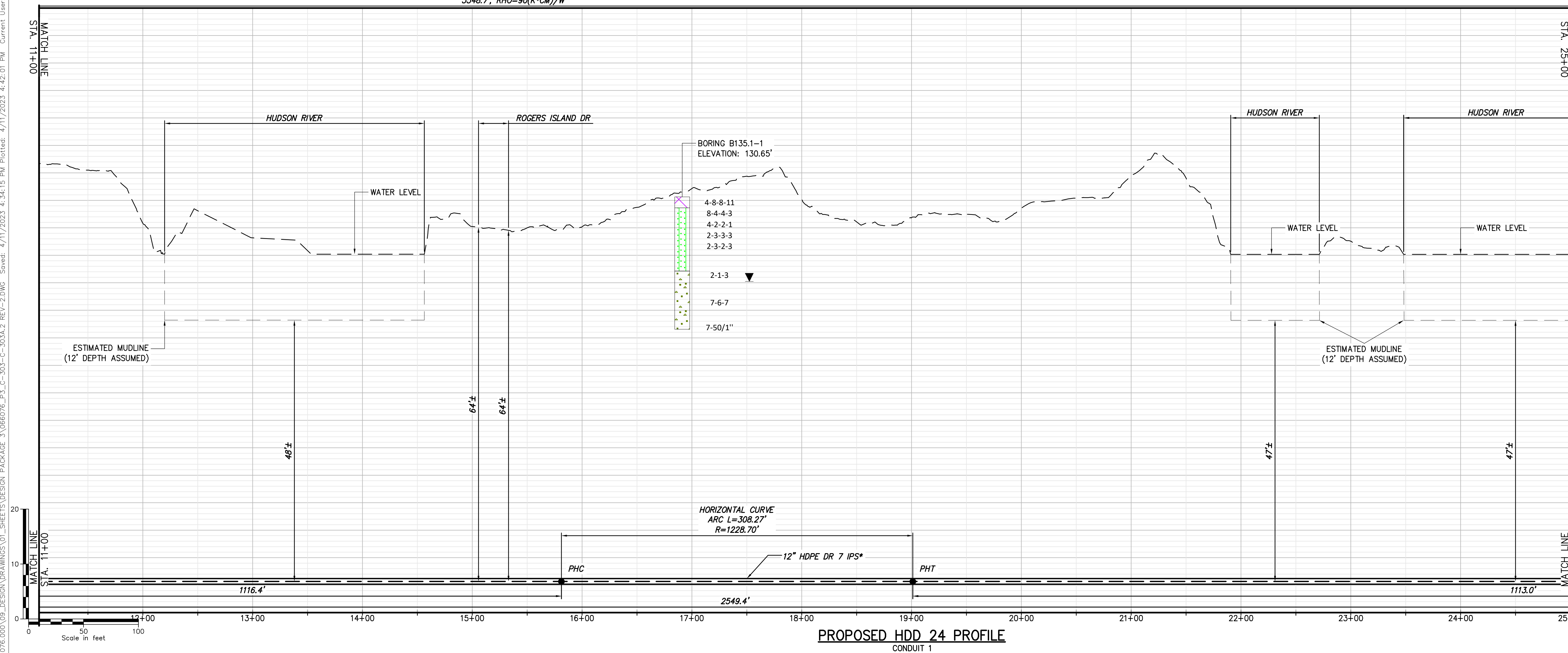
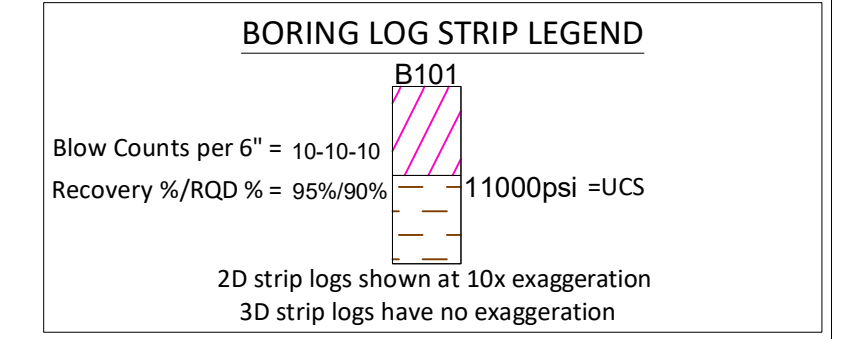
**KIEWIT PROJECT NO. 21162  
 CHA PROJECT NO. 086076  
 DRAWING NO. C-303**

SCALE AS NOTED DATE 04/05/2023  
 REV. NO. X SH.NO.





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  - 5) ALIGNMENT "A-P3" CONTROL THE PROPOSED ALIGNMENT FROM STA. 30083+50 TO 30181+85.
  - 6) SEE DRAWING NO. C-106 AND C-113 FOR ALIGNMENT "A-P3" STATION EQUATION.



**Legend**

ASPHALT	Asphalt
Bedrock	Bedrock
Boulder	Boulder
CH	Fat CLAY
CH-MH	SILTY Fat CLAY
CL	Lean CLAY
CL-ML	SILTY CLAY
CONCRETE	Concrete
FILL	Fill
GC	CLAYEY GRAVEL
GC-GM	SILTY CLAYEY GRAVEL
GM	SILTY GRAVEL
GP	Poorly Graded GRAVEL
GP-GC	Poorly Graded Gravel with CLAY
GP-GM	Poorly Graded GRAVEL with SILT
GW	Well Graded GRAVEL
GW-GC	Well Graded GRAVEL with CLAY
GW-GM	Well Graded GRAVEL with SILT
Limestone	Limestone
MH	Elastic SILT
ML	SILT
DH	ORGANIC Fat CLAY
DL	ORGANIC Lean CLAY
DL/DH	ORGANIC SOIL
PT	PEAT
Rock	Rock
Sandstone	Sandstone
SC	CLAYEY SAND
SC-SM	SILT, CLAYEY SAND
SHALE	Shale
SILTSTONE	Siltstone
SM	SILTY SAND
SP	Poorly Graded SAND
SP-SC	Poorly Graded SAND with CLAY
SP-SM	Poorly Graded SAND with SILT
SW	Well graded SAND
SW-SC	Well Graded SAND with CLAY
SW-SM	Well Graded SAND with SILT
Topsoll	Topsoll
USGS 601	Gravel or Conglomerate 1
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Water	Water
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**CHAMPLAIN HUDSON POWER EXPRESS  
 SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON  
 PLAN AND PROFILE - HDD 24, CONDUIT 1**

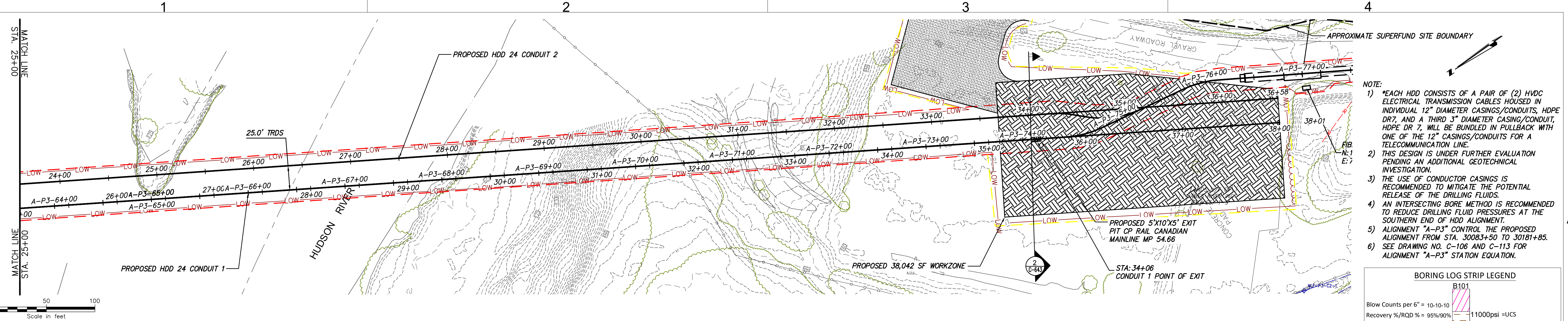
KIEWIT PROJECT NO. 21162  
 CHA PROJECT NO. 086076  
 DRAWING NO. **C-303.1**

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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP

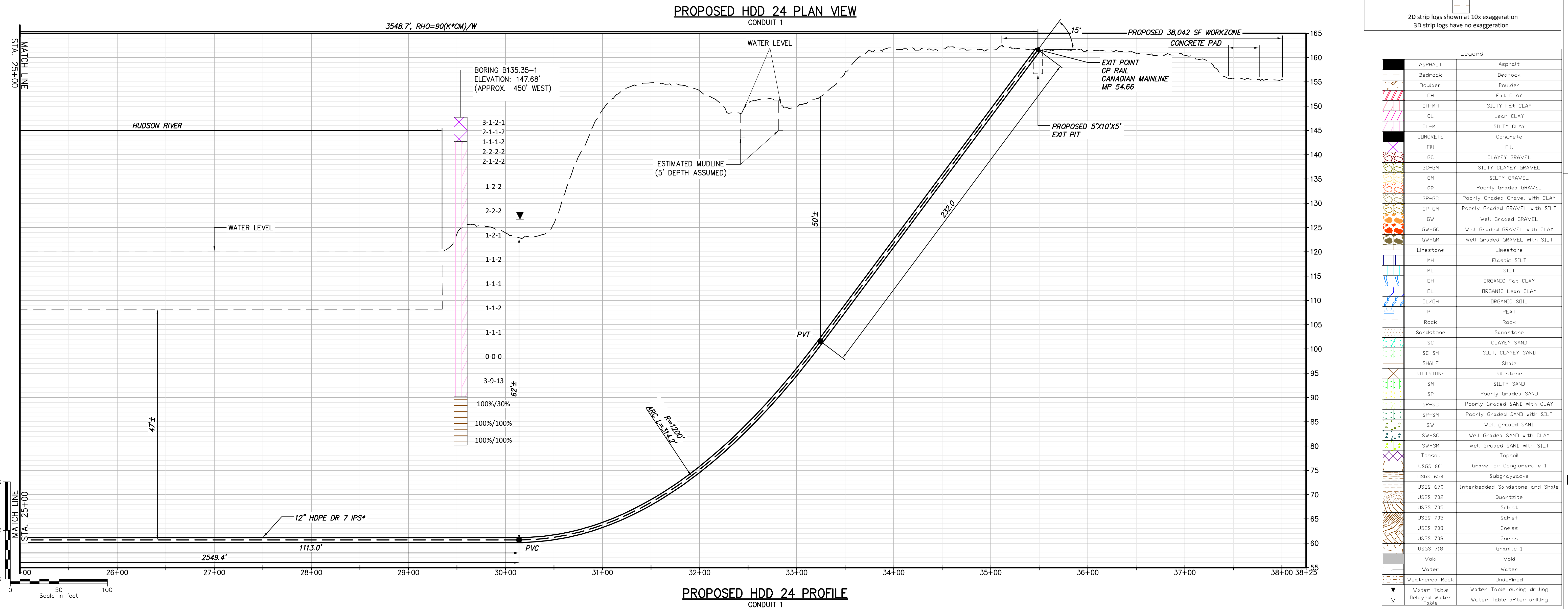
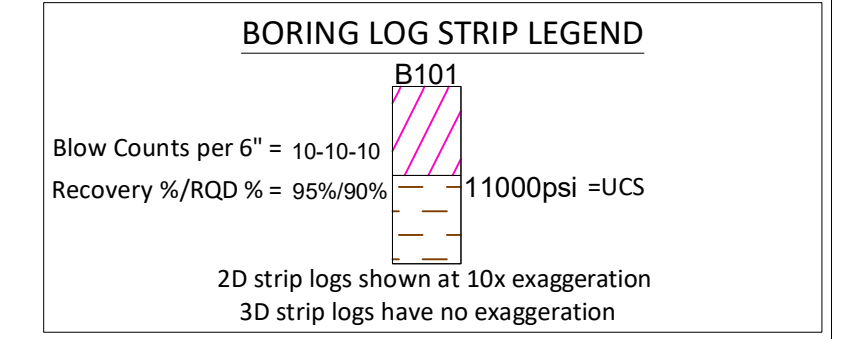
DRAWN BY: JDL DESIGNED BY: JDL APPROVED BY: JEO SCALE AS NOTED DATE 04/05/2023

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Boulder	Boulder
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CH-MH	SILTY Fat CLAY
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CL-ML	SILTY CLAY
CONCRETE	Concrete
Fill	Fill
GC	CLAYEY GRAVEL
GC-GM	SILTY CLAYEY GRAVEL
GM	SILTY GRAVEL
GP	Poorly Graded GRAVEL
GP-GC	Poorly Graded Gravel with CLAY
GP-GM	Poorly Graded GRAVEL with SILT
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GW-GC	Well Graded GRAVEL with CLAY
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ML	SILT
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DL/DH	ORGANIC SOIL
PT	PEAT
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Water Table during drilling	Water Table during drilling
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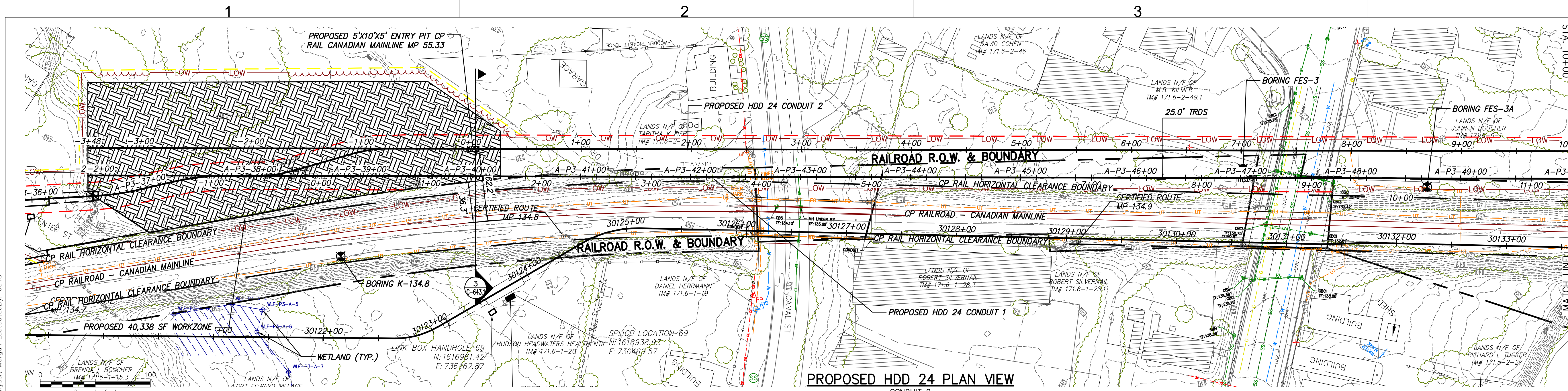
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**CHAMPLAIN HUDSON POWER EXPRESS**  
 SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON  
 PLAN AND PROFILE - HDD 24, CONDUIT 1

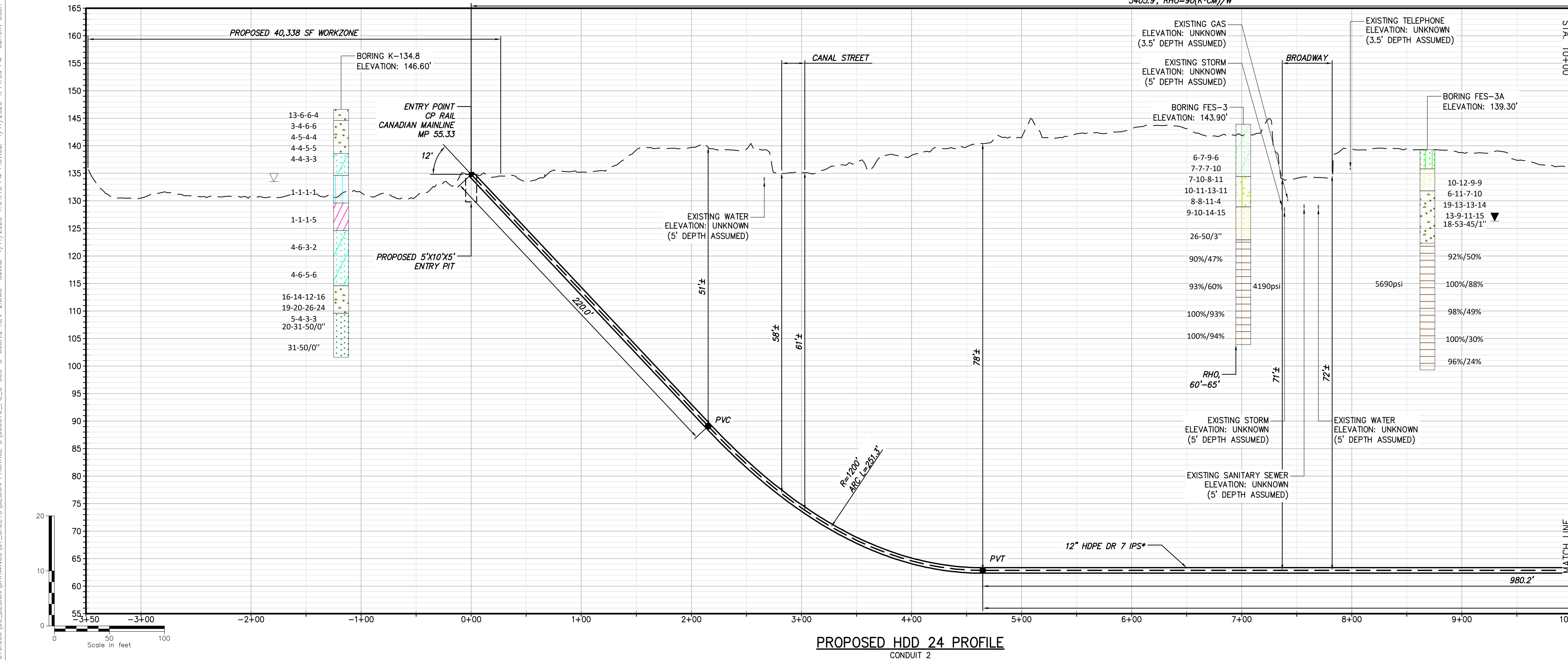
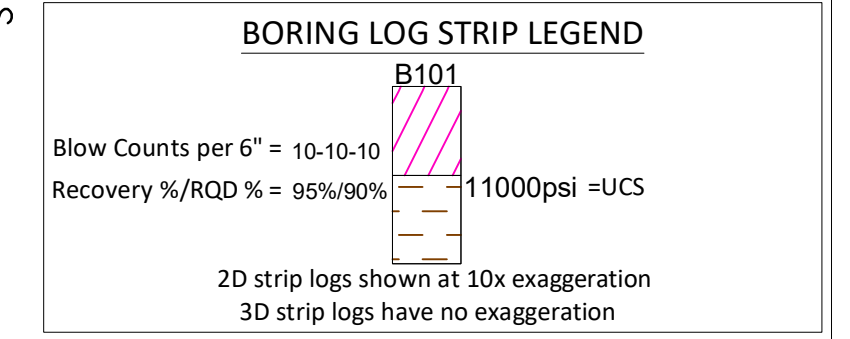
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CHA PROJECT NO.	086076
DRAWING NO.	<b>C-303.2</b>
SCALE	AS NOTED
DATE	04/05/2023

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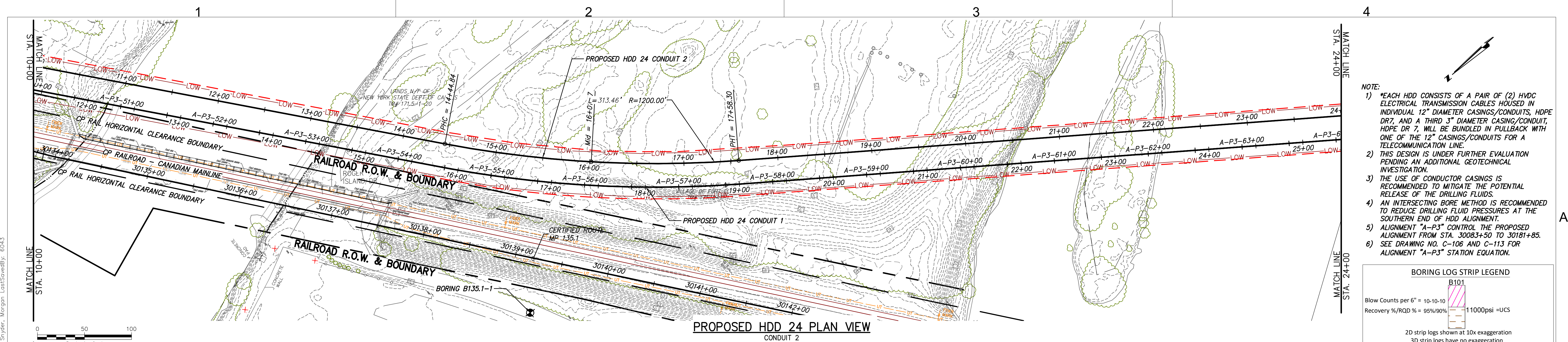
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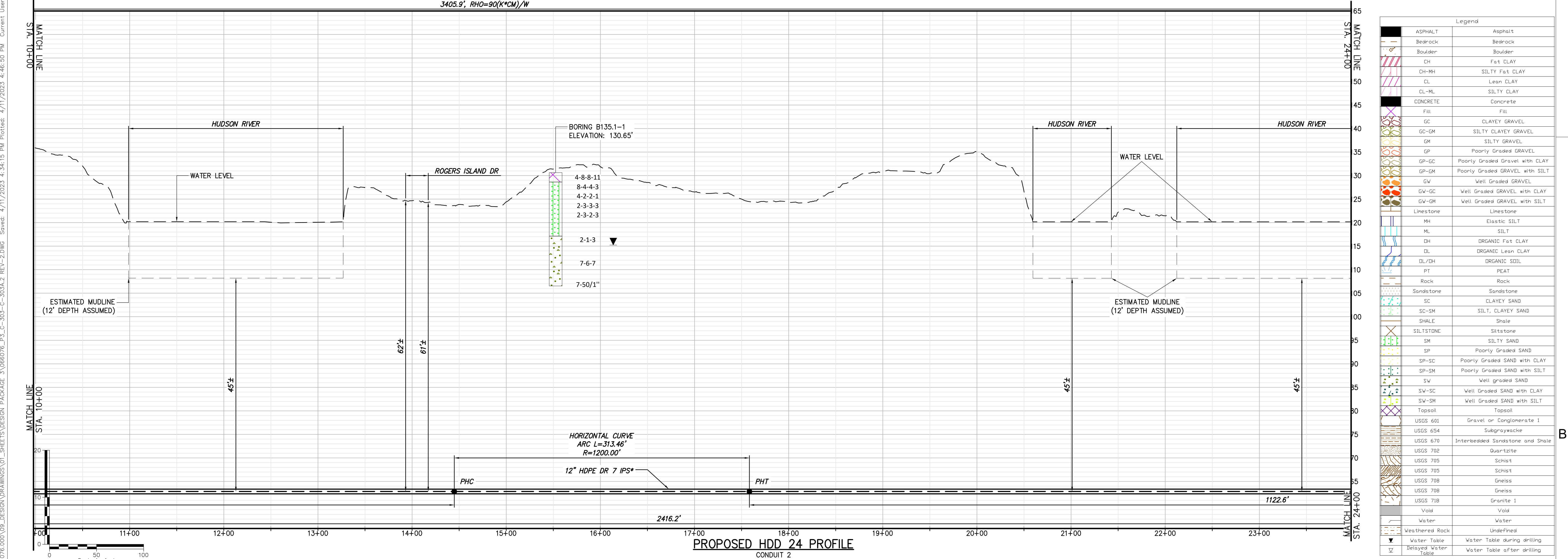
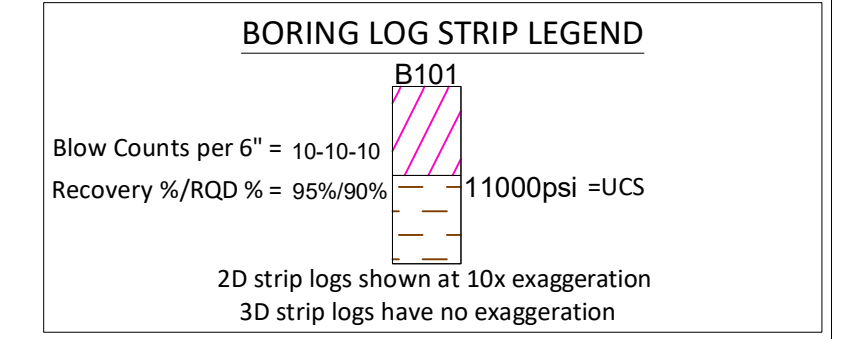
CHAMPLAIN HUDSON POWER EXPRESS  
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON  
PLAN AND PROFILE - HDD 24, CONDUIT 2

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	086076
DRAWING NO.	C-303A
SCALE	AS NOTED
DATE	04/05/2023





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Limestone	Limestone
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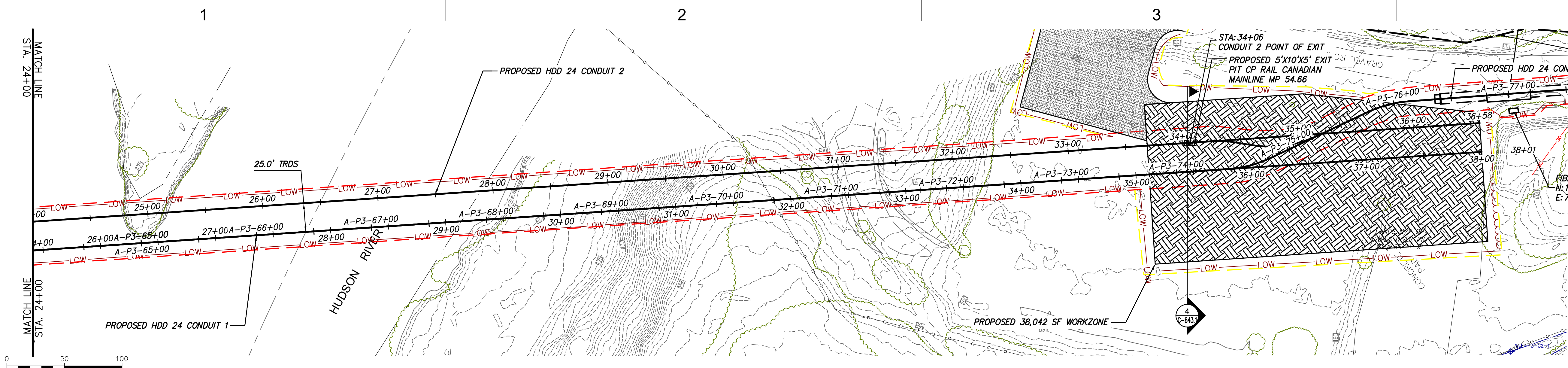
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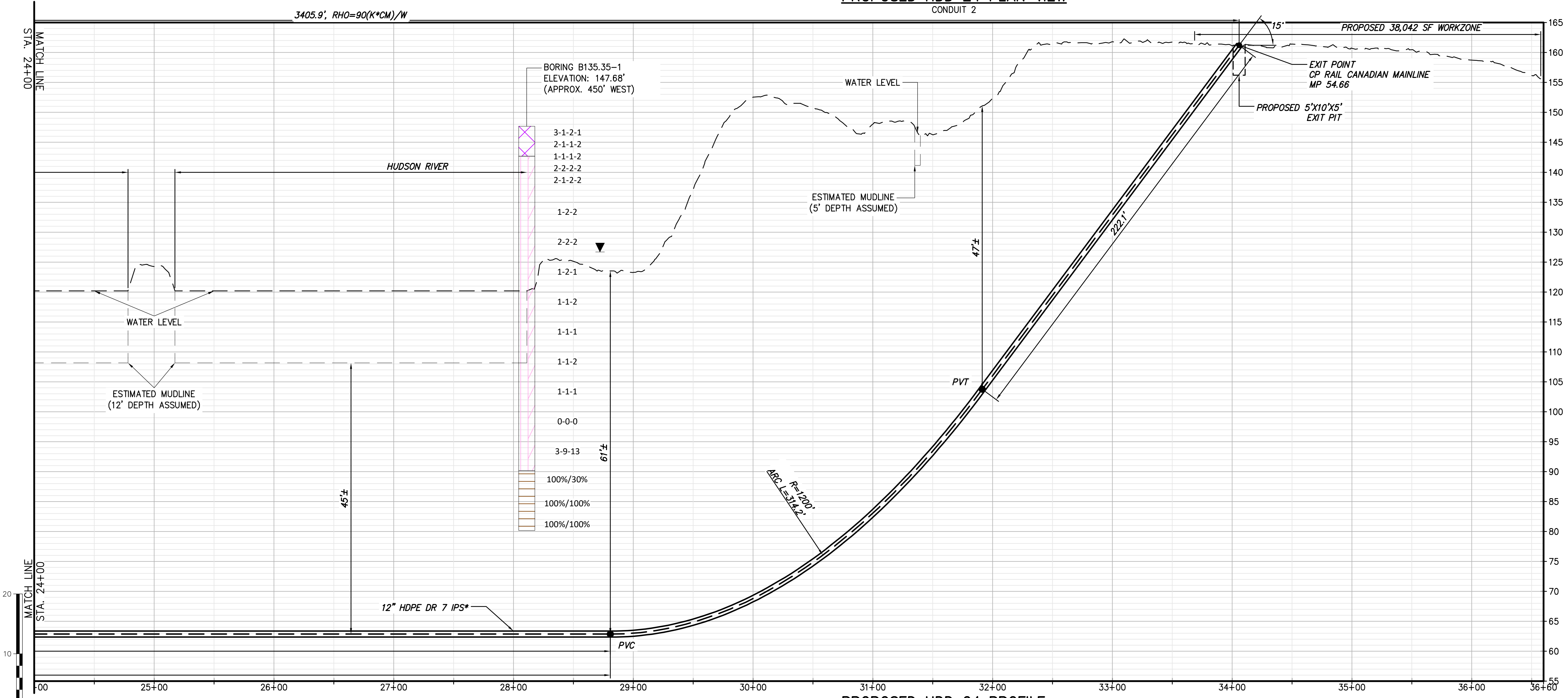
CHAMPLAIN HUDSON POWER EXPRESS  
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON  
PLAN AND PROFILE - HDD 24, CONDUIT 2

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	086076
DRAWING NO.	<b>C-303A.1</b>
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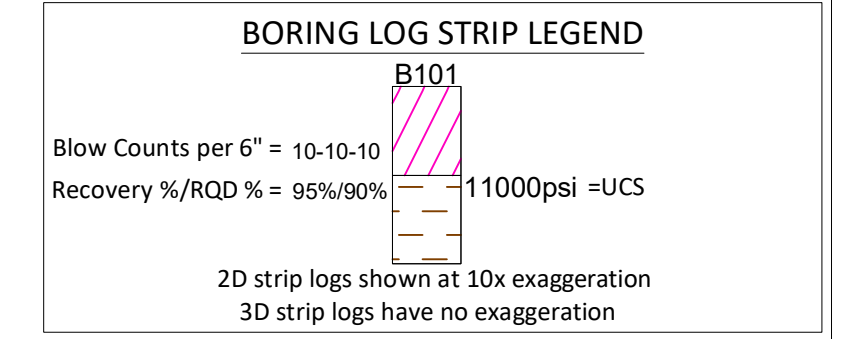


PROPOSED HDD 24 PLAN VIEW  
CONDUIT 2



PROPOSED HDD 24 PROFILE  
CONDUIT 2

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SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON  
PLAN AND PROFILE - HDD 24, CONDUIT 2

KIEWIT PROJECT NO. 21162  
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