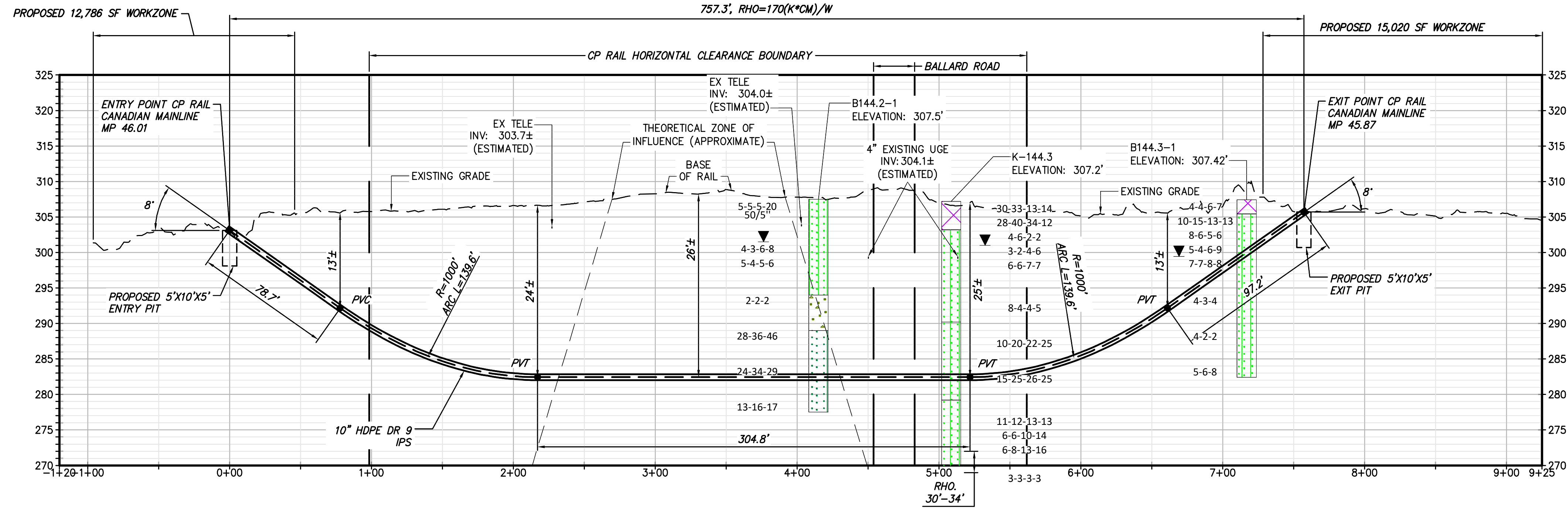
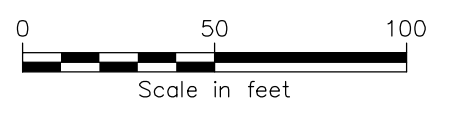
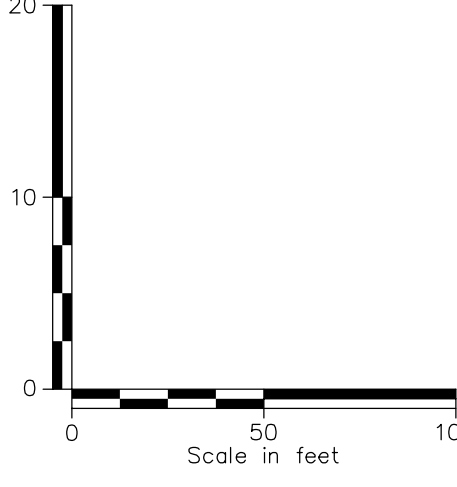


PROPOSED HDD 32 PLAN VIEW
CONDUIT 2



PROPOSED HDD 32 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
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
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
Delayed Water Table	Water Table after drilling

BORING LOG STRIP LEGEND	
B101	
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	



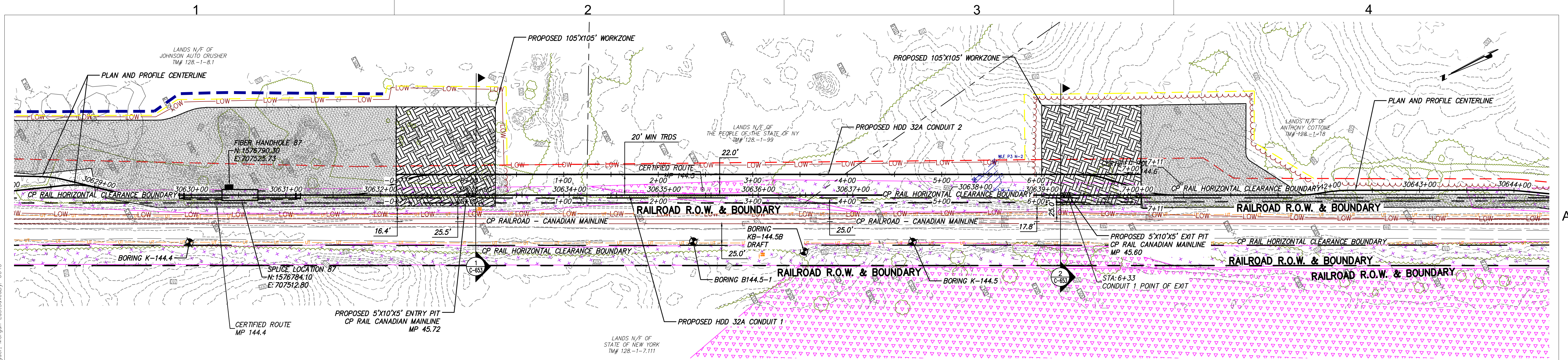
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CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
PLAN AND PROFILE - HDD 32, CONDUIT 2

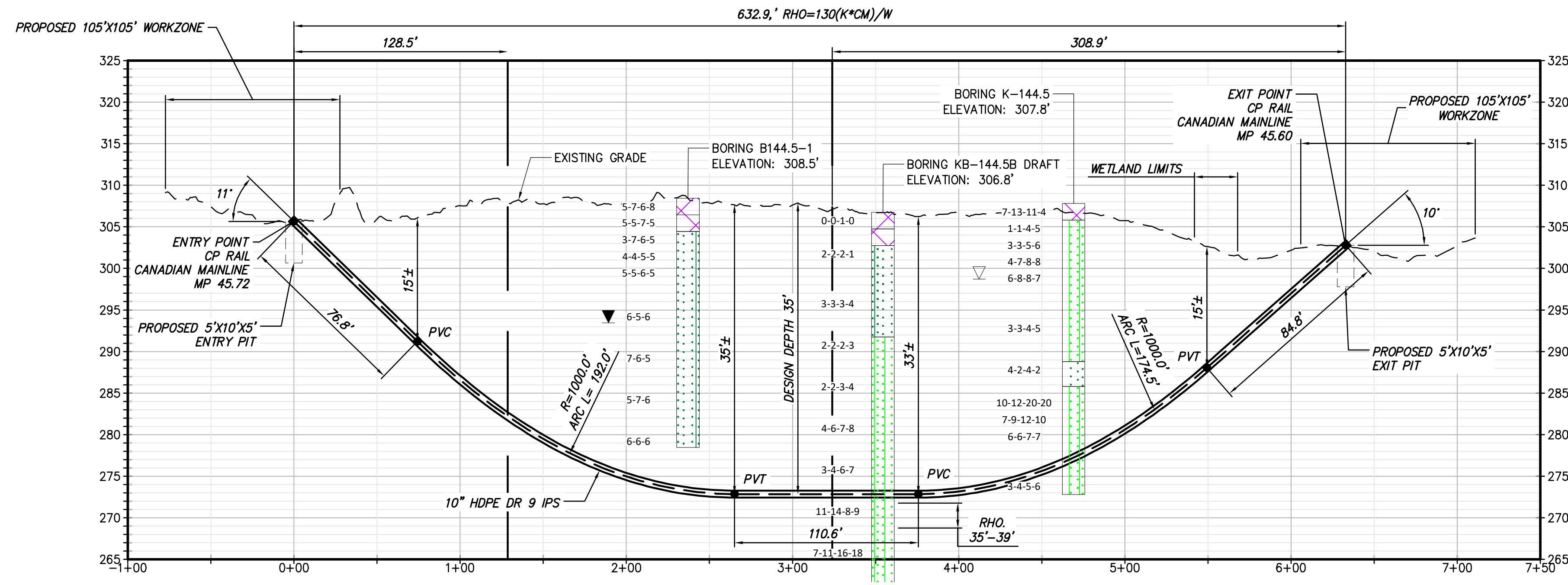
KIEWIT PROJECT NO. 21162
CHA PROJECT NO. 086076
DRAWING NO. C-312A

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			JDL	JDL	JEO			04/05/2023

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PROPOSED HDD 32A PLAN VIEW
CONDUIT 1



PROPOSED HDD 32A 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 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
Topsail	Topsail
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	
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	



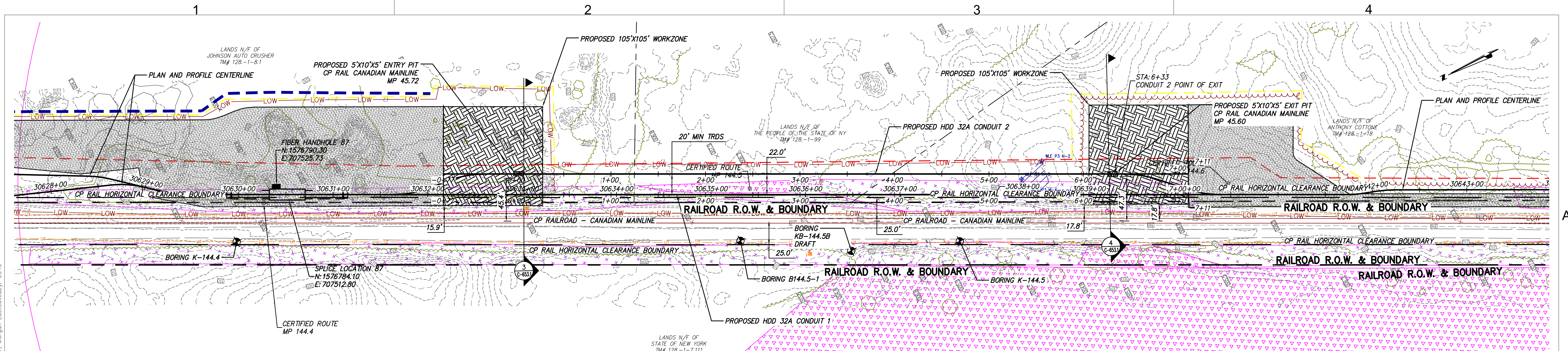
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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
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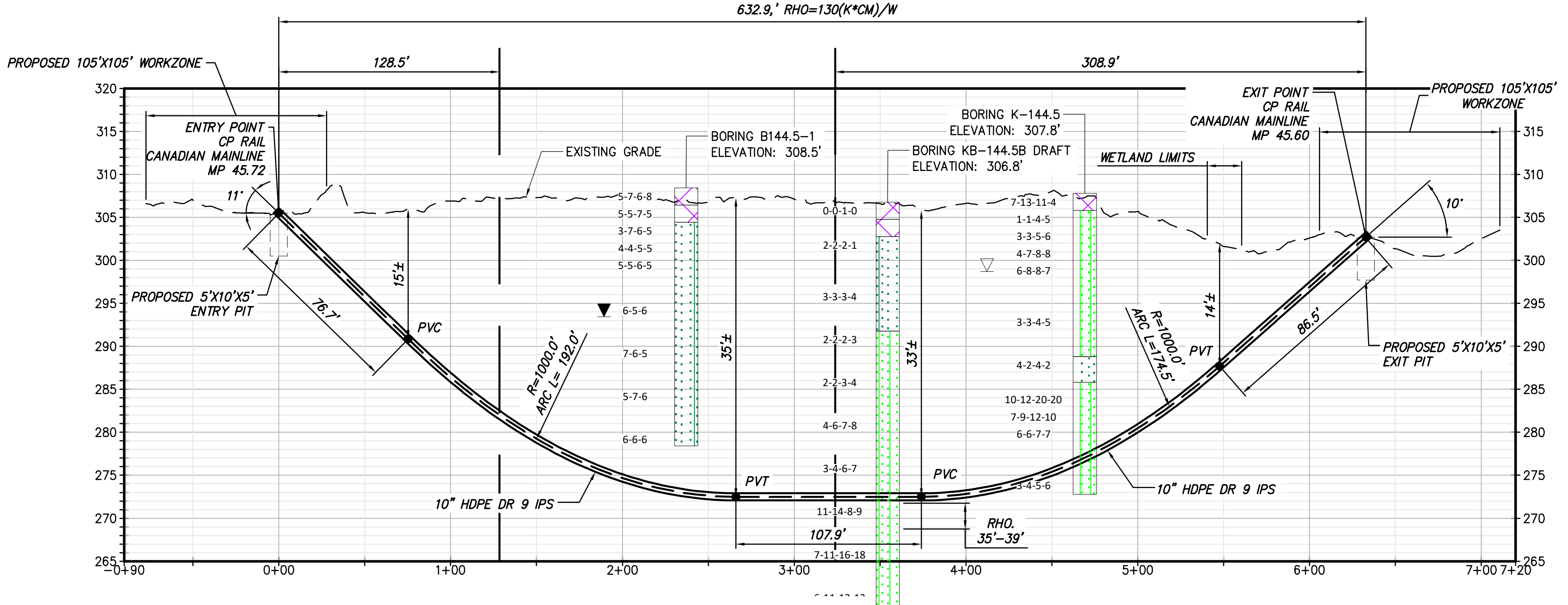
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
PLAN AND PROFILE - HDD 32A, CONDUIT 1

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	086076
DRAWING NO.	C-313
SCALE	AS NOTED
DATE	04/05/2023

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PROPOSED HDD 32A PLAN VIEW
CONDUIT 2



PROPOSED HDD 32A PROFILE
CONDUIT 2

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
[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



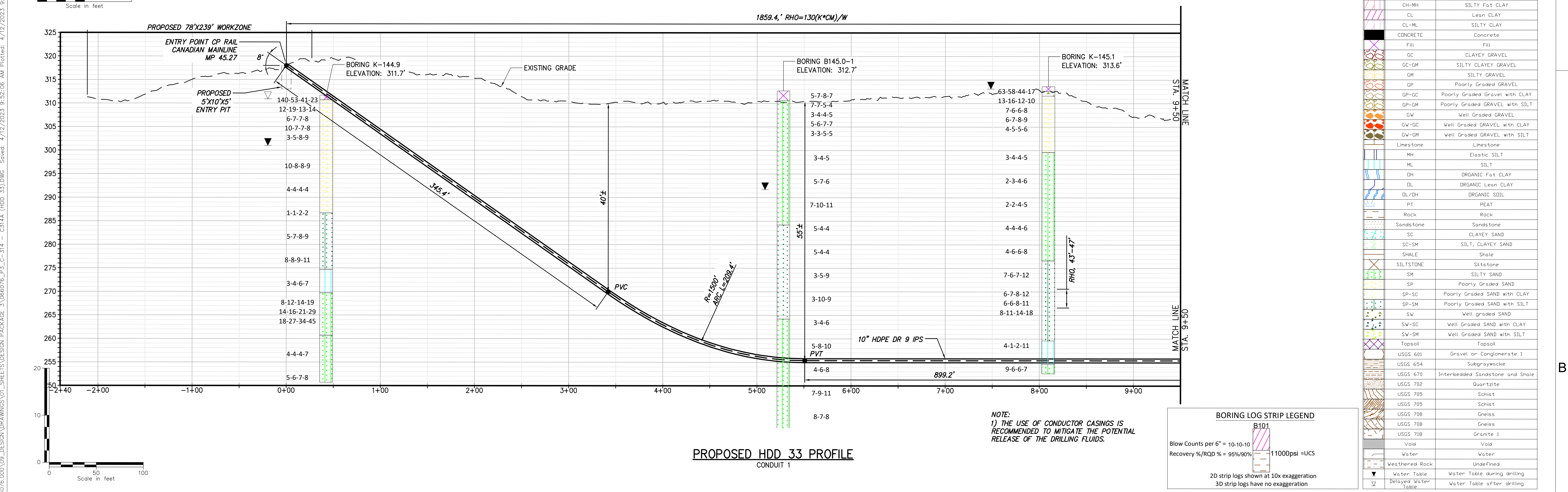
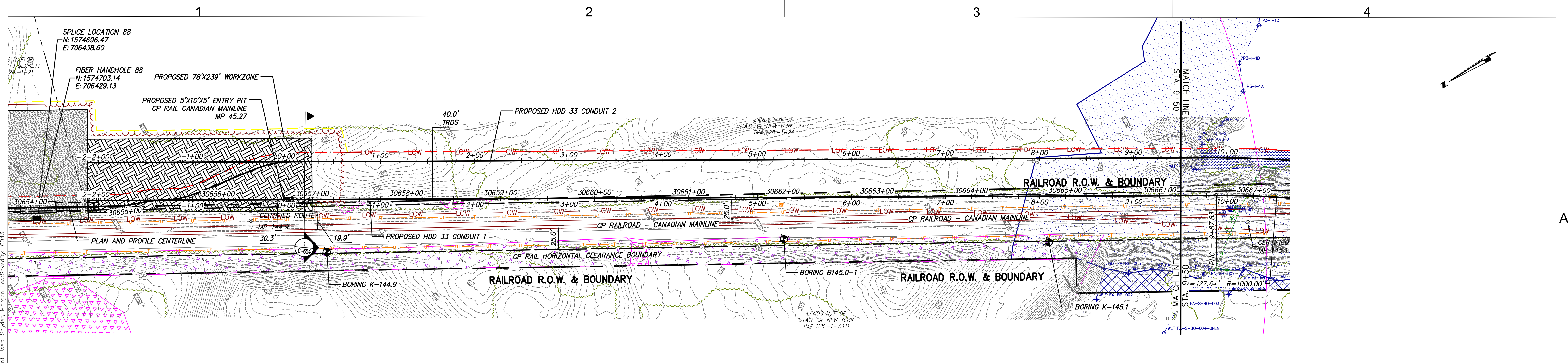
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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
0	04/05/2023	FINAL EM&CP SUBMISSION	MCS	JEO

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
PLAN AND PROFILE - HDD 32A, CONDUIT 2

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	086076
DRAWING NO.	C-313A
SCALE	AS NOTED
DATE	04/05/2023

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PROPOSED HDD 33 PROFILE
CONDUIT 1

Legend	
[Symbol]	ASPHALT
[Symbol]	Bedrock
[Symbol]	Boulder
[Symbol]	CH
[Symbol]	CH-MH
[Symbol]	CL
[Symbol]	CL-ML
[Symbol]	CONCRETE
[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]	Topsoil
[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]	Water Table
[Symbol]	Belayed Water Table
[Symbol]	Asphalt
[Symbol]	Bedrock
[Symbol]	Boulder
[Symbol]	Fat CLAY
[Symbol]	SILTY Fat CLAY
[Symbol]	Lean CLAY
[Symbol]	SILTY CLAY
[Symbol]	Concrete
[Symbol]	Fill
[Symbol]	CLAYEY GRAVEL
[Symbol]	SILTY CLAYEY GRAVEL
[Symbol]	SILTY GRAVEL
[Symbol]	Poorly Graded GRAVEL
[Symbol]	Poorly Graded GRAVEL with CLAY
[Symbol]	Poorly Graded GRAVEL with SILT
[Symbol]	Well Graded GRAVEL
[Symbol]	Well Graded GRAVEL with CLAY
[Symbol]	Well Graded GRAVEL with SILT
[Symbol]	Limestone
[Symbol]	Elastic SILT
[Symbol]	SILT
[Symbol]	ORGANIC Fat CLAY
[Symbol]	ORGANIC Lean CLAY
[Symbol]	ORGANIC SOIL
[Symbol]	PEAT
[Symbol]	Rock
[Symbol]	Sandstone
[Symbol]	CLAYEY SAND
[Symbol]	SILT, CLAYEY SAND
[Symbol]	Shale
[Symbol]	Siltstone
[Symbol]	SILTY SAND
[Symbol]	Poorly Graded SAND
[Symbol]	Poorly Graded SAND with CLAY
[Symbol]	Poorly Graded SAND with SILT
[Symbol]	Well graded SAND
[Symbol]	Well Graded SAND with CLAY
[Symbol]	Well Graded SAND with SILT
[Symbol]	Topsoil
[Symbol]	Gravel or Conglomerate 1
[Symbol]	Subgraywacke
[Symbol]	Interbedded Sandstone and Shale
[Symbol]	Quartzite
[Symbol]	Schist
[Symbol]	Schist
[Symbol]	Gneiss
[Symbol]	Gneiss
[Symbol]	Granite 1
[Symbol]	Void
[Symbol]	Water
[Symbol]	Undefined
[Symbol]	Water Table during drilling
[Symbol]	Water Table after drilling

BORING LOG STRIP LEGEND	
[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

NOTE:
1) THE USE OF CONDUCTOR CASINGS IS RECOMMENDED TO MITIGATE THE POTENTIAL RELEASE OF THE DRILLING FLUIDS.



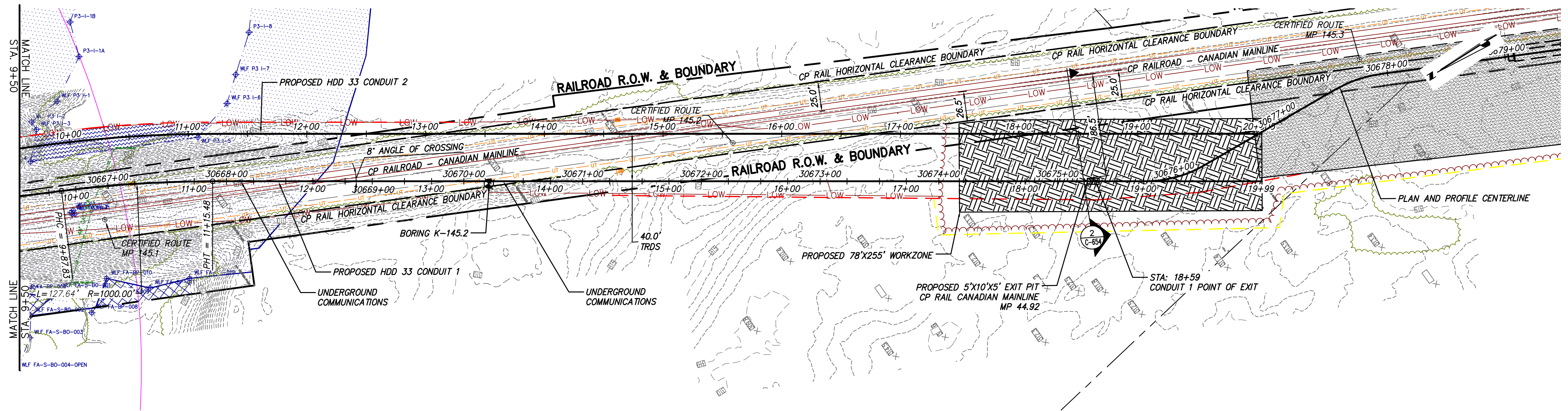
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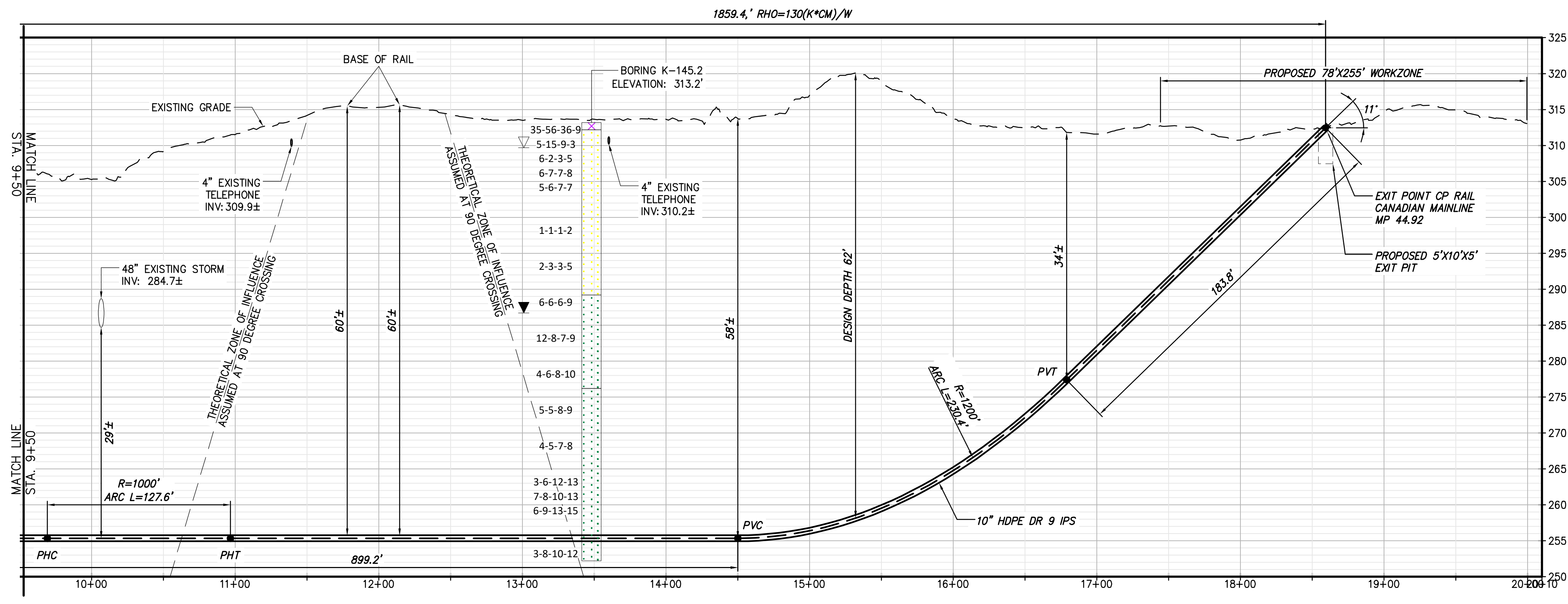
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
PLAN AND PROFILE - HDD 33, CONDUIT 1

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	068076
DRAWING NO.	C-314
SCALE	AS NOTED
DATE	04/05/2023
SH.NO.	1

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PROPOSED HDD 33 PLAN VIEW
CONDUIT 1

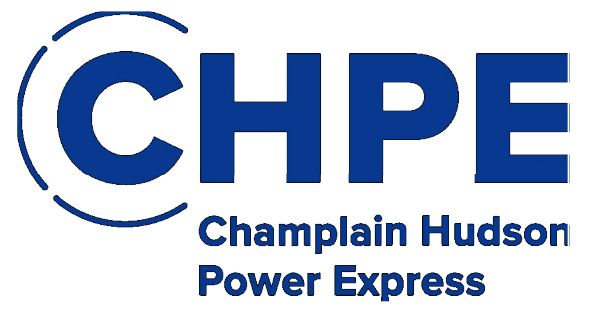
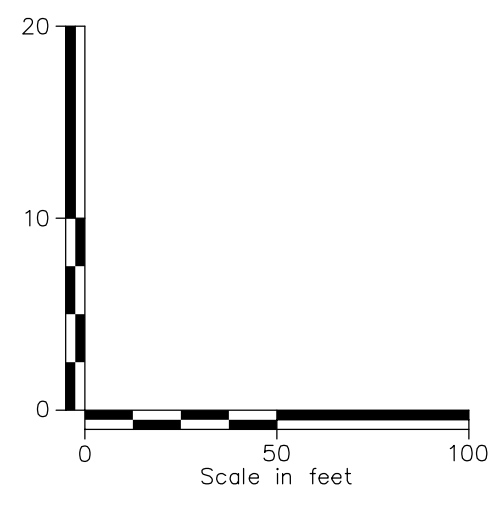
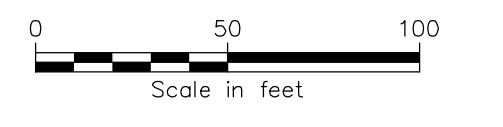


PROPOSED HDD 33 PROFILE
CONDUIT 1

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]	OH
[Symbol]	OL
[Symbol]	OL/OH
[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]	Water Table
[Symbol]	Delayed Water Table
[Symbol]	Asphalt
[Symbol]	Bedrock
[Symbol]	Boulder
[Symbol]	Fat CLAY
[Symbol]	SILTY Fat CLAY
[Symbol]	Lean CLAY
[Symbol]	SILTY CLAY
[Symbol]	Concrete
[Symbol]	Fill
[Symbol]	CLAYEY GRAVEL
[Symbol]	SILTY CLAYEY GRAVEL
[Symbol]	SILTY GRAVEL
[Symbol]	Poorly Graded GRAVEL
[Symbol]	Poorly Graded Gravel with CLAY
[Symbol]	Poorly Graded GRAVEL with SILT
[Symbol]	Well Graded GRAVEL
[Symbol]	Well Graded GRAVEL with CLAY
[Symbol]	Well Graded GRAVEL with SILT
[Symbol]	Limestone
[Symbol]	Elastic SILT
[Symbol]	SILT
[Symbol]	ORGANIC Fat CLAY
[Symbol]	ORGANIC Lean CLAY
[Symbol]	ORGANIC SILT
[Symbol]	PEAT
[Symbol]	Rock
[Symbol]	Sandstone
[Symbol]	CLAYEY SAND
[Symbol]	SILT, CLAYEY SAND
[Symbol]	Shale
[Symbol]	Siltstone
[Symbol]	SILTY SAND
[Symbol]	Poorly Graded SAND
[Symbol]	Poorly Graded SAND with CLAY
[Symbol]	Poorly Graded SAND with SILT
[Symbol]	Well graded SAND
[Symbol]	Well Graded SAND with CLAY
[Symbol]	Well Graded SAND with SILT
[Symbol]	Topsail
[Symbol]	Gravel or Conglomerate 1
[Symbol]	Subgraywacke
[Symbol]	Interbedded Sandstone and Shale
[Symbol]	Quartzite
[Symbol]	Schist
[Symbol]	Schist
[Symbol]	Gneiss
[Symbol]	Gneiss
[Symbol]	Granite 1
[Symbol]	Void
[Symbol]	Water
[Symbol]	Undefined
[Symbol]	Water Table during drilling
[Symbol]	Water Table after drilling

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

NOTE:
1) THE USE OF CONDUCTOR CASINGS IS RECOMMENDED TO MITIGATE THE POTENTIAL RELEASE OF THE DRILLING FLUIDS.



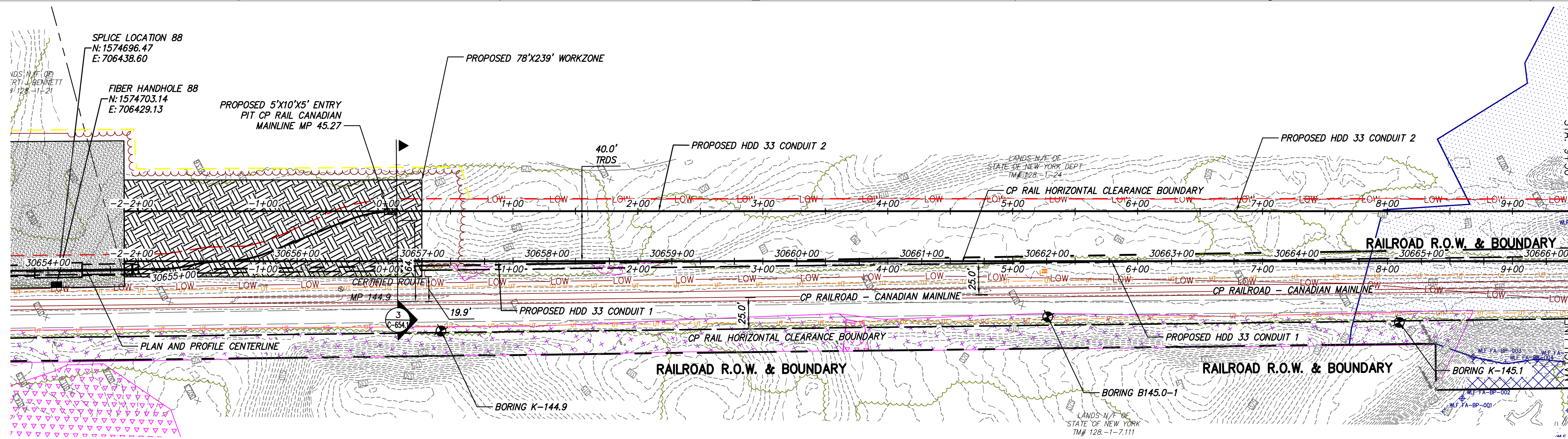
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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
0	04/05/2023	FINAL EM&CP SUBMISSION	MCS	JEO

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
PLAN AND PROFILE - HDD 33, CONDUIT 1

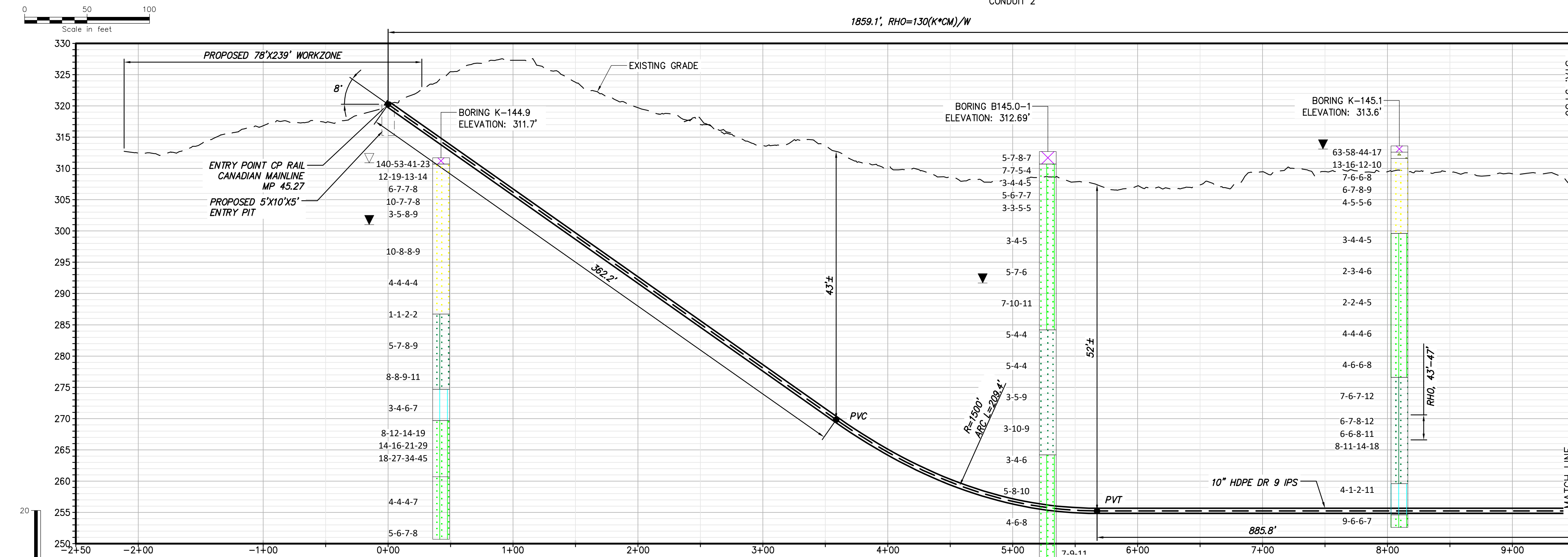
KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	086076
DRAWING NO.	C-314.1
SCALE	AS NOTED
DATE	04/05/2023
SH.NO.	1

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



PROPOSED HDD 33 PLAN VIEW
CONDUIT 2

1859.1', RHO=130(K*CM)/W



PROPOSED HDD 33 PROFILE
CONDUIT 2

NOTE:
1) THE USE OF CONDUCTOR CASINGS IS RECOMMENDED TO MITIGATE THE POTENTIAL RELEASE OF THE DRILLING FLUIDS.

BORING LOG STRIP LEGEND

B101
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
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	Underl
Water Table	Water Table during drilling
Delayed Water Table	Water Table after drilling



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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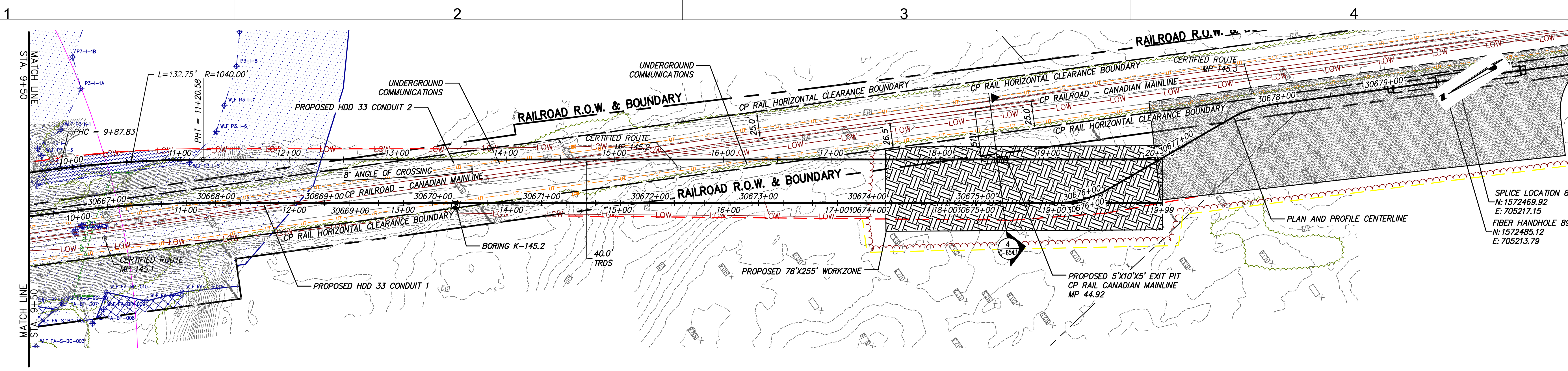
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
PLAN AND PROFILE - HDD 33, CONDUIT 2

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	086076
DRAWING NO.	C-314A
SCALE	AS NOTED
DATE	04/05/2023

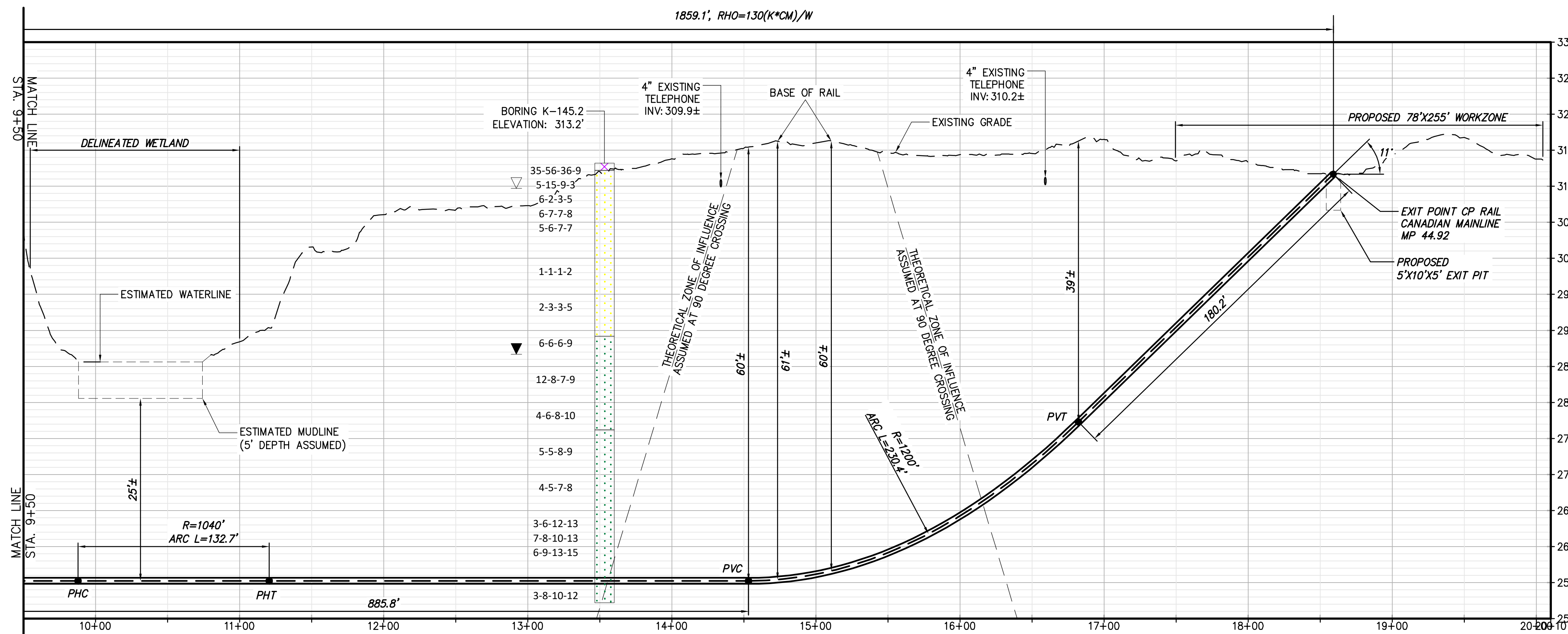
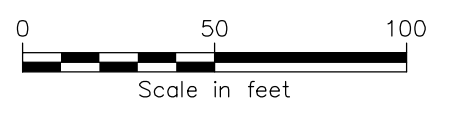
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B

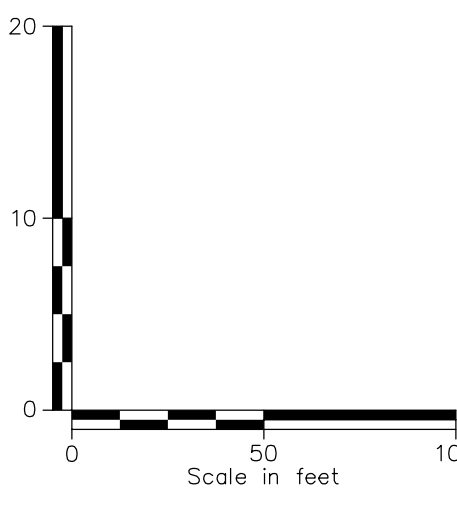
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PROPOSED HDD 33 PLAN VIEW
CONDUIT 2



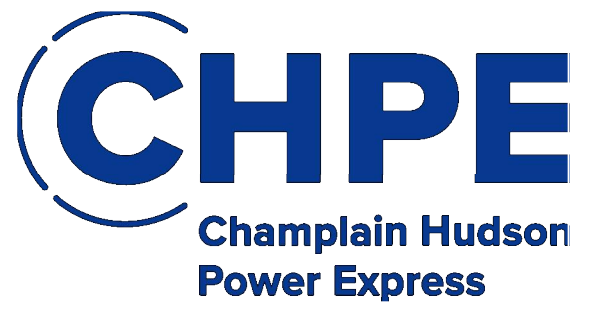
PROPOSED HDD 33 PROFILE
CONDUIT 2



Legend	
ASPHALT	Asphalt
Bedrock	Bedrock
Boulder	Boulder
CH	Fat CLAY
CH-MH	SILTY Fat CLAY
CL	Lean CLAY
CL-ML	SILTY CLAY
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
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
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	

NOTE:
1) THE USE OF CONDUCTOR CASINGS IS RECOMMENDED TO MITIGATE THE POTENTIAL RELEASE OF THE DRILLING FLUIDS.



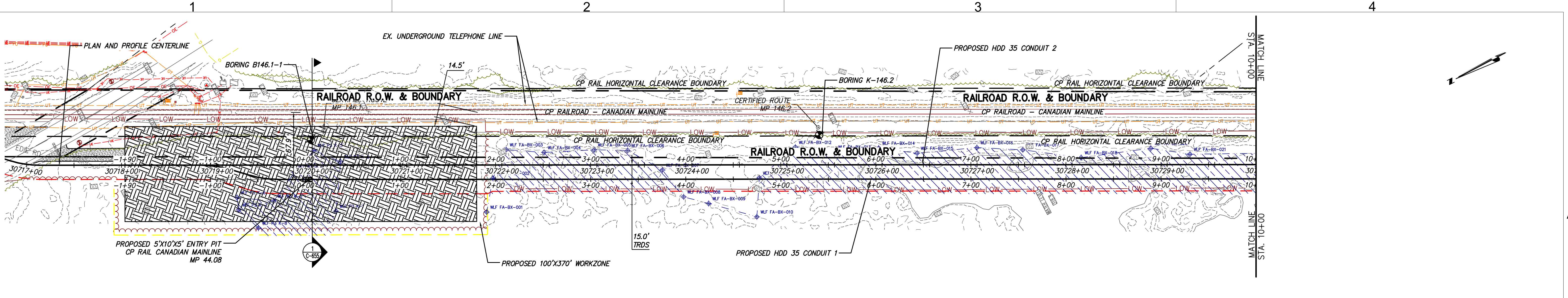
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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
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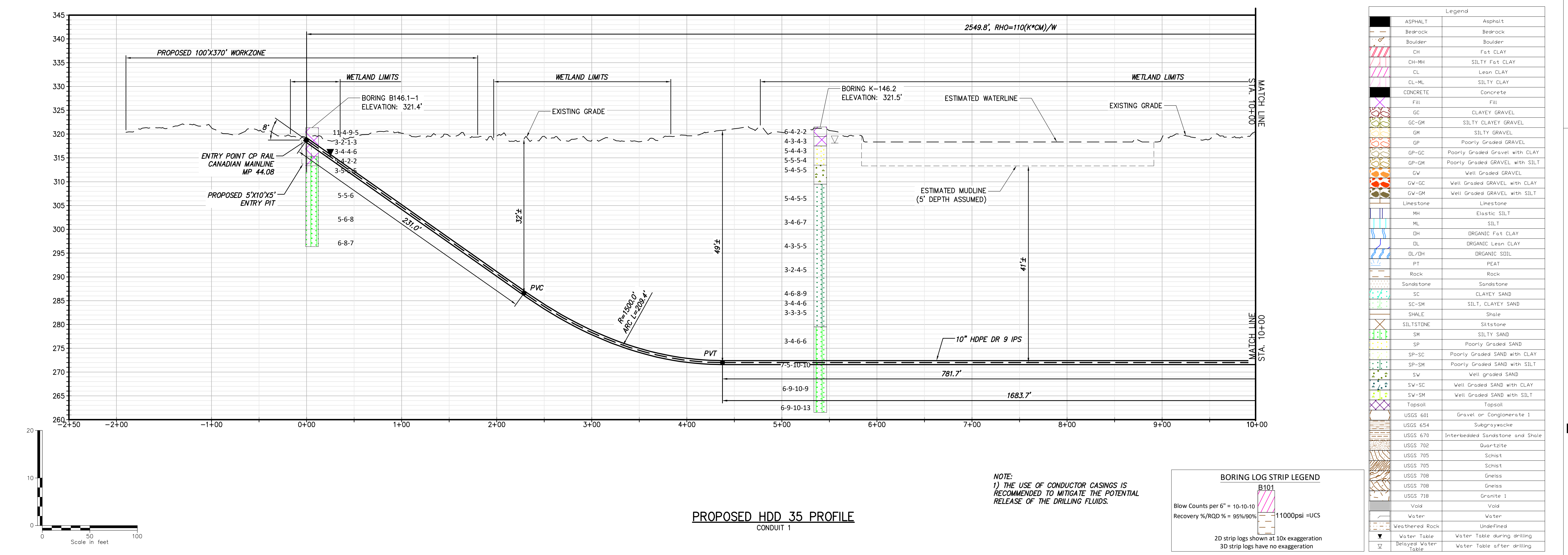
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
PLAN AND PROFILE - HDD 33, CONDUIT 2

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	086076
DRAWING NO.	C-314A.1
SCALE	AS NOTED
DATE	04/05/2023
SH.NO.	1

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



PROPOSED HDD 35 PLAN VIEW
CONDUIT 1

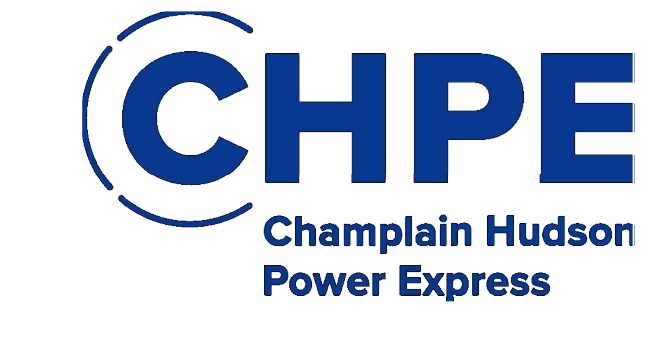


PROPOSED HDD 35 PROFILE
CONDUIT 1

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 SIDL
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	Undefined
Water Table	Water Table during drilling
Delayed Water Table	Water Table after drilling

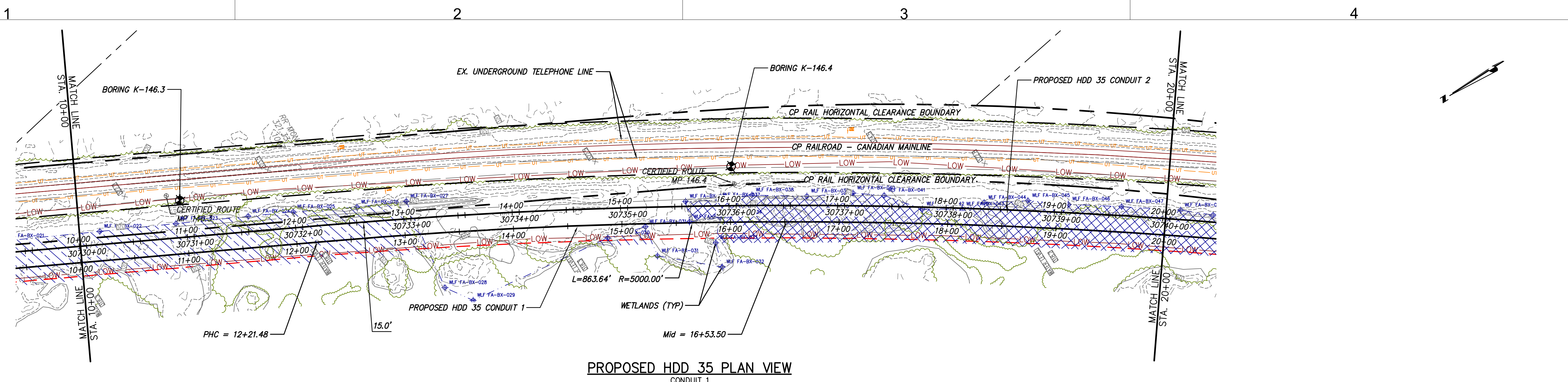
BORING LOG STRIP LEGEND	
Blow Counts per 6" = 10-10-10	B101
Recovery %/RQD % = 95%/90%	11000psi = UCS
2D strip logs shown at 10x exaggeration 3D strip logs have no exaggeration	

NOTE:
1) THE USE OF CONDUCTOR CASINGS IS RECOMMENDED TO MITIGATE THE POTENTIAL RELEASE OF THE DRILLING FLUIDS.

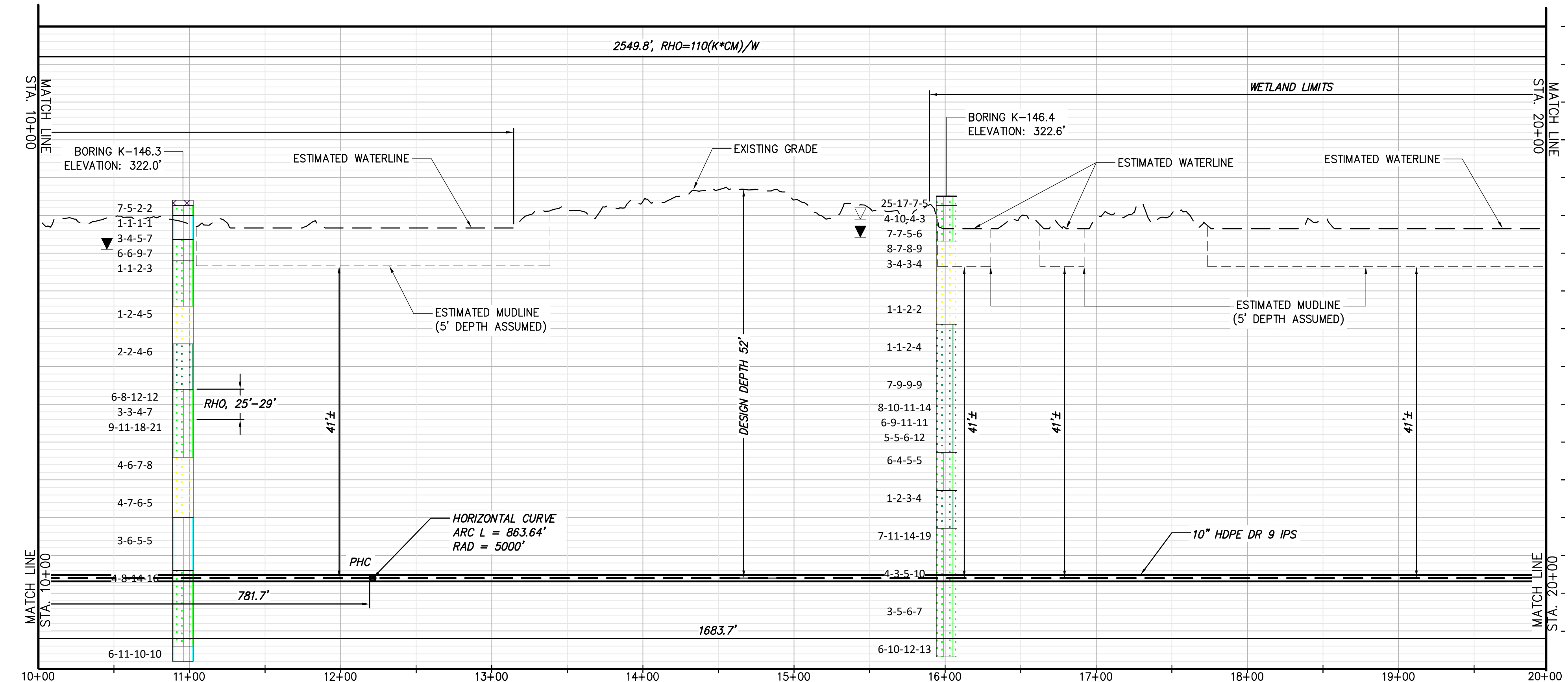


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CHAMPLAIN HUDSON POWER EXPRESS SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON PLAN AND PROFILE - HDD 35, CONDUIT 1				KIEWIT PROJECT NO. 21162	
				CHA PROJECT NO. 086076	
				DRAWING NO. C-315	
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DATE
0	04/05/2023	FINAL EM&CP SUBMISSION	MCS	JEO	04/05/2023
DRAWN BY: JAS			DESIGNED BY: JAS		SCALE: AS NOTED
APPROVED BY: JEO			SCALE: AS NOTED		DATE: 04/05/2023
DRAWN BY: JAS			DESIGNED BY: JAS		DATE: 04/05/2023
APPROVED BY: JEO			SCALE: AS NOTED		DATE: 04/05/2023



PROPOSED HDD 35 PLAN VIEW
CONDUIT 1

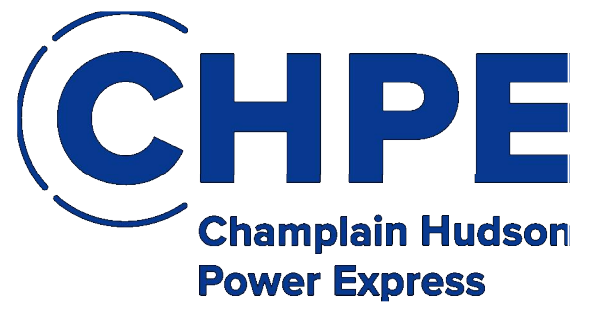


PROPOSED HDD 35 PROFILE
CONDUIT 1

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 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	Weathered
Water Table during drilling	Water Table during drilling
Delayed Water Table	Water Table after drilling

BORING LOG STRIP LEGEND	
B101	
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	

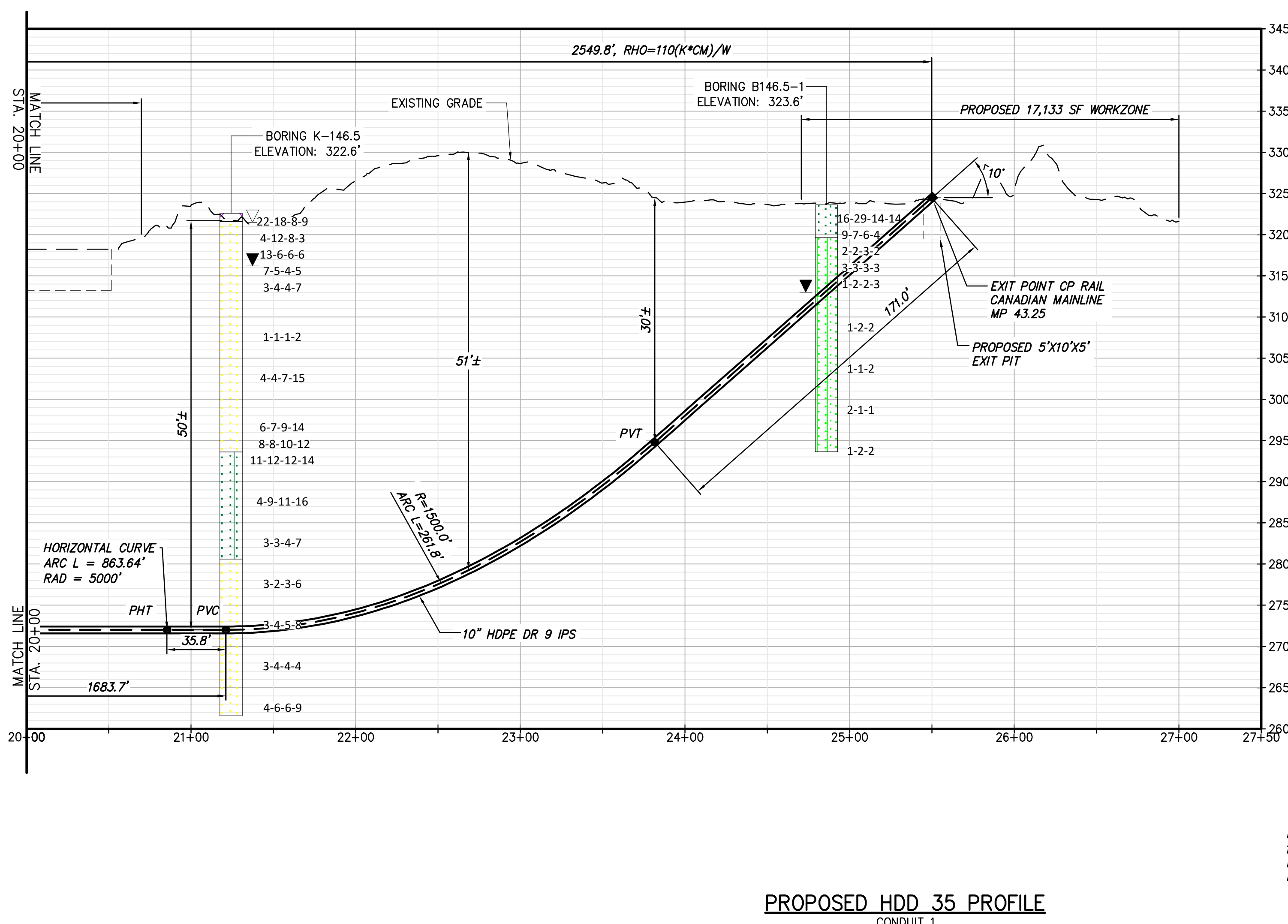
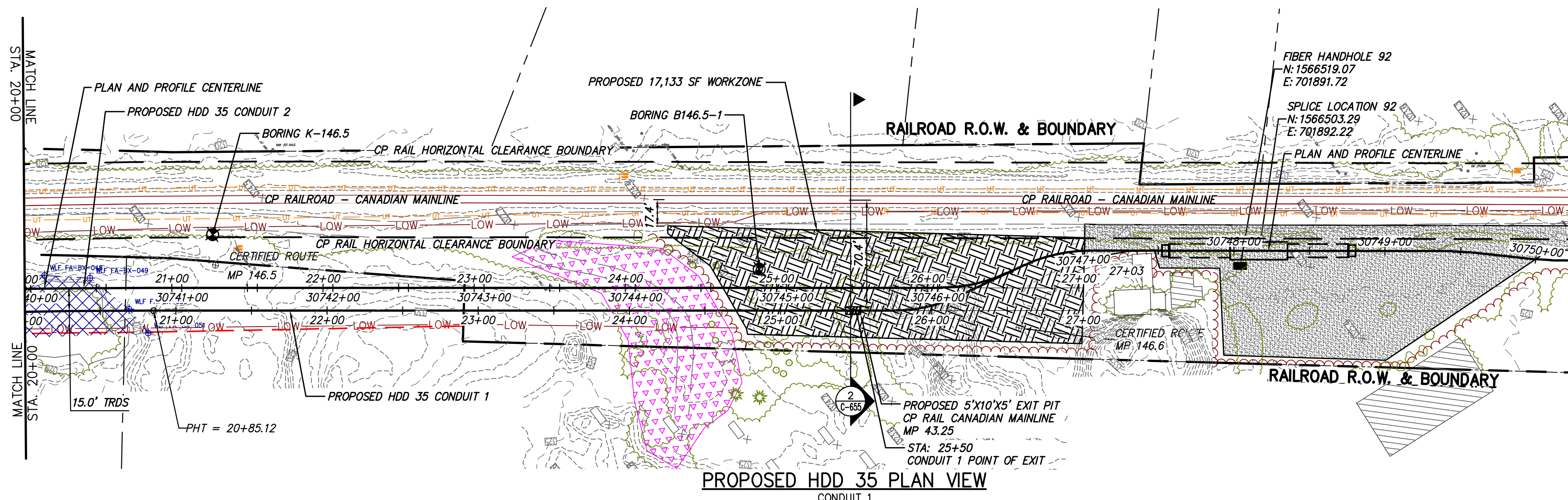
NOTE:
1) THE USE OF CONDUCTOR CASINGS IS RECOMMENDED TO MITIGATE THE POTENTIAL RELEASE OF THE DRILLING FLUIDS.



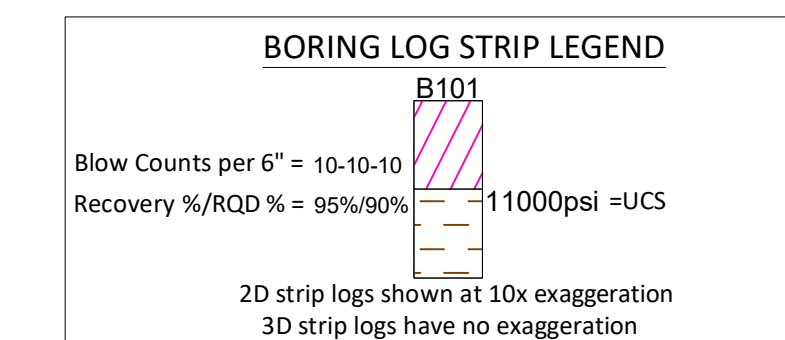
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CHAMPLAIN HUDSON POWER EXPRESS SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON PLAN AND PROFILE - HDD 35, CONDUIT 1		KIEWIT PROJECT NO. 21162 CHA PROJECT NO. 086076 DRAWING NO. C-315.1	
0	04/05/2023	FINAL EM&CP SUBMISSION	MCS JEO
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB APP
DRAWN BY: JAS		DESIGNED BY: JAS	APPROVED BY: JEO
SCALE	AS NOTED	DATE	04/05/2023
REV. NO.	1	SH.NO.	

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NOTE:
1) THE USE OF CONDUCTOR CASINGS IS RECOMMENDED TO MITIGATE THE POTENTIAL RELEASE OF THE DRILLING FLUIDS.



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 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

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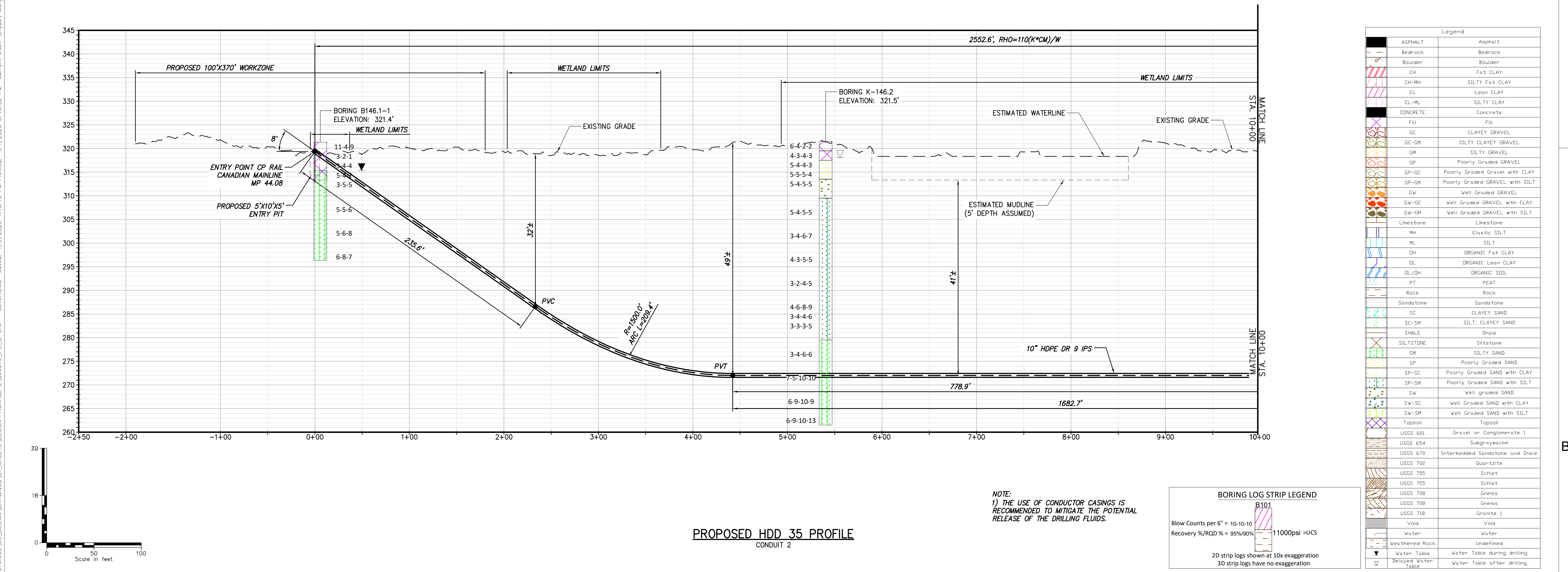
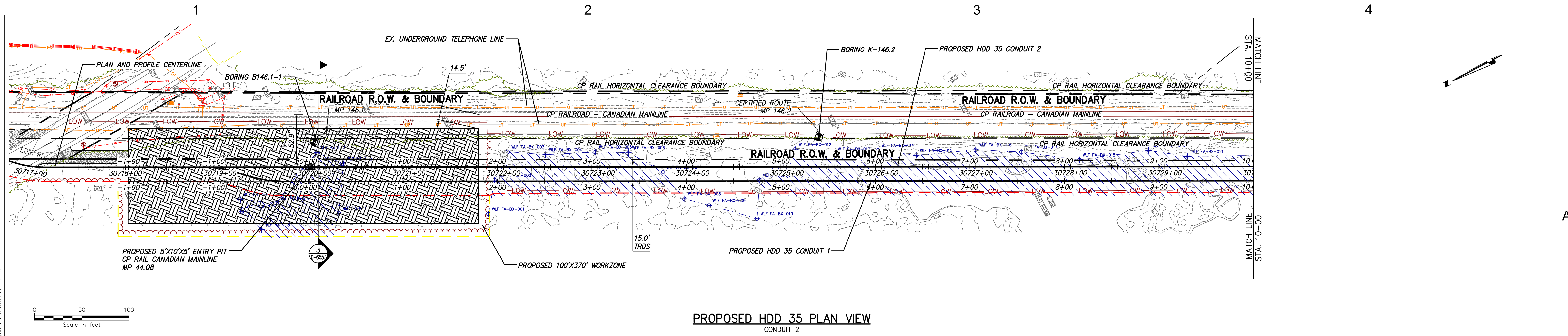
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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
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CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
PLAN AND PROFILE - HDD 35, CONDUIT 1

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	086076
DRAWING NO.	C-315.2
SCALE	AS NOTED
DATE	04/05/2023

DRAWN BY:	JAS	DESIGNED BY:	JAS	APPROVED BY:	JEO	SCALE	AS NOTED	DATE	04/05/2023
REV. NO.	1	SH.NO.							



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
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	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	

NOTE:
1) THE USE OF CONDUCTOR CASINGS IS RECOMMENDED TO MITIGATE THE POTENTIAL RELEASE OF THE DRILLING FLUIDS.



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.

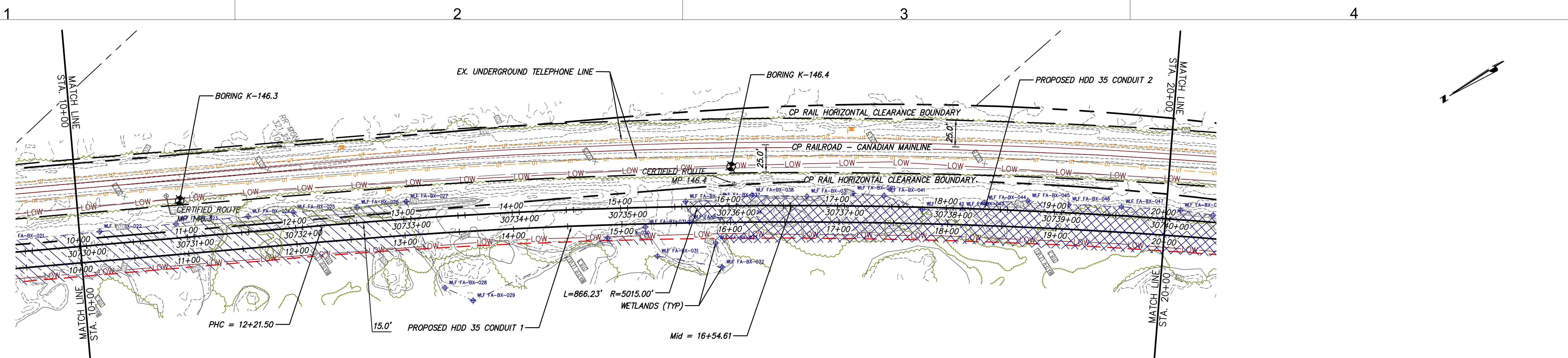
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
0	04/05/2023	FINAL EM&CP SUBMISSION	MCS	JEO

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
PLAN AND PROFILE - HDD 35, CONDUIT 2

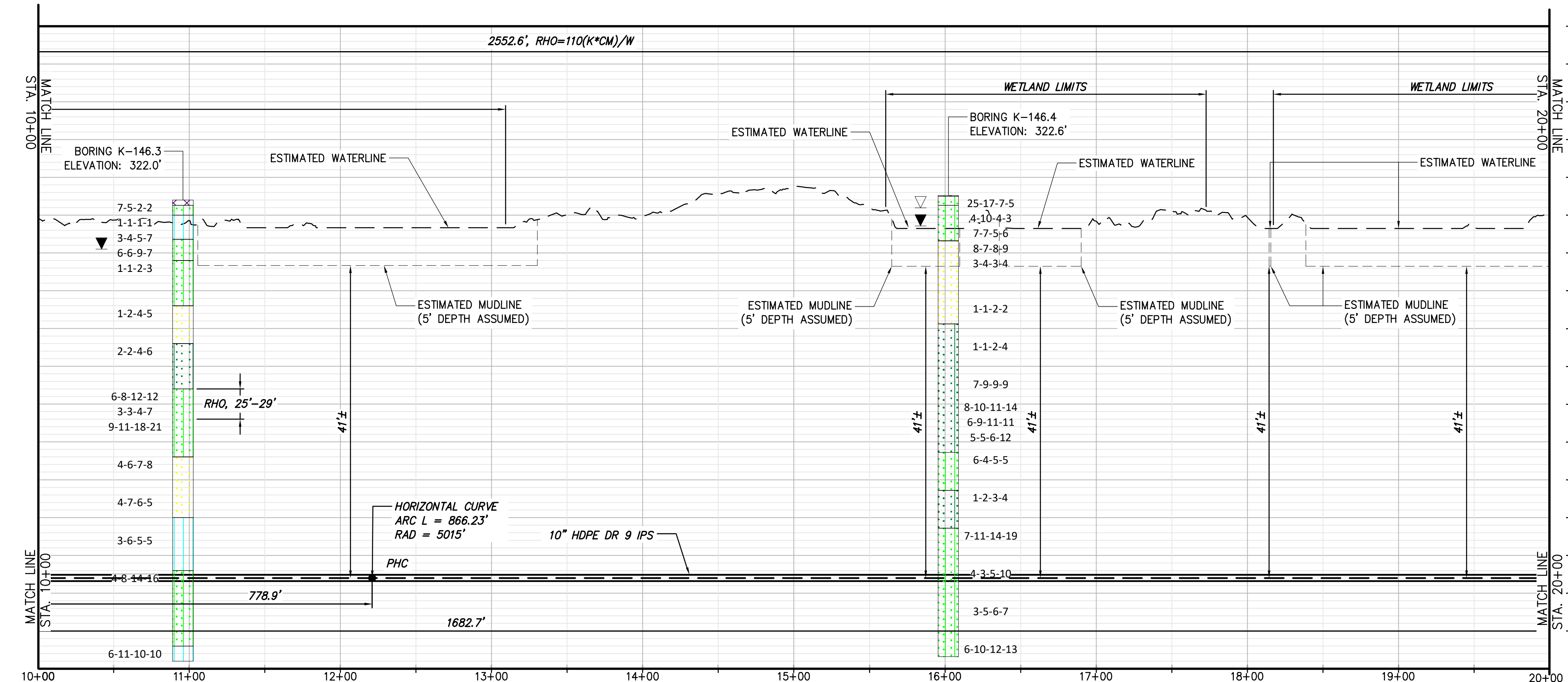
KIEWIT PROJECT NO. 21162
CHA PROJECT NO. 086076
DRAWING NO. C-315A

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

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PROPOSED HDD 35 PLAN VIEW
CONDUIT 2

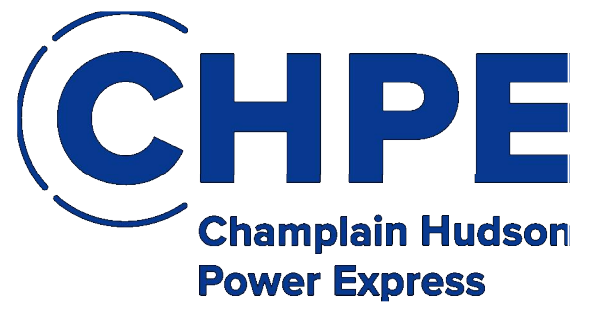


PROPOSED HDD 35 PROFILE
CONDUIT 2

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
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
Topsail	Topsail
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	Unfired
Water Table during drilling	Water Table during drilling
Water Table after drilling	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	

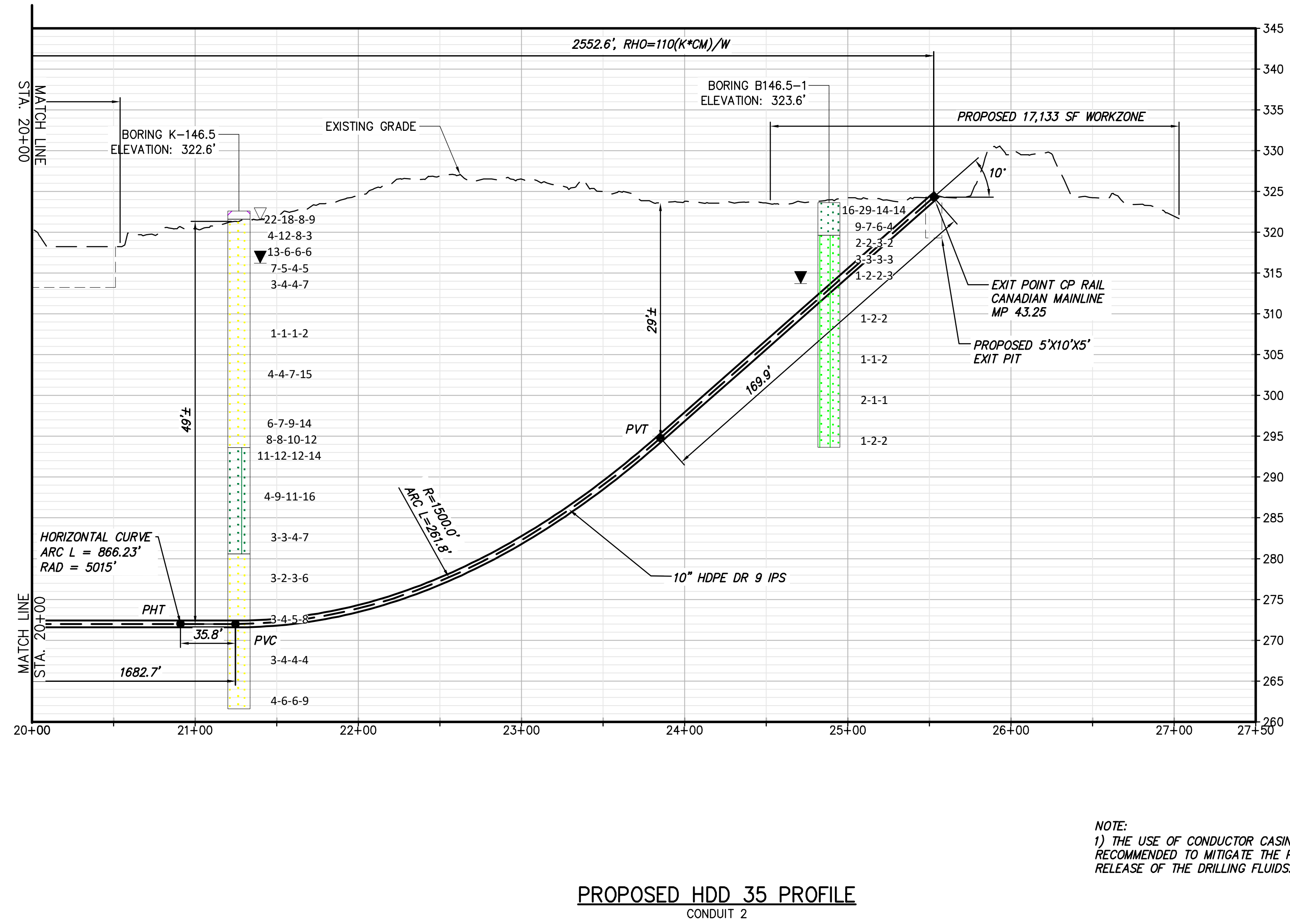
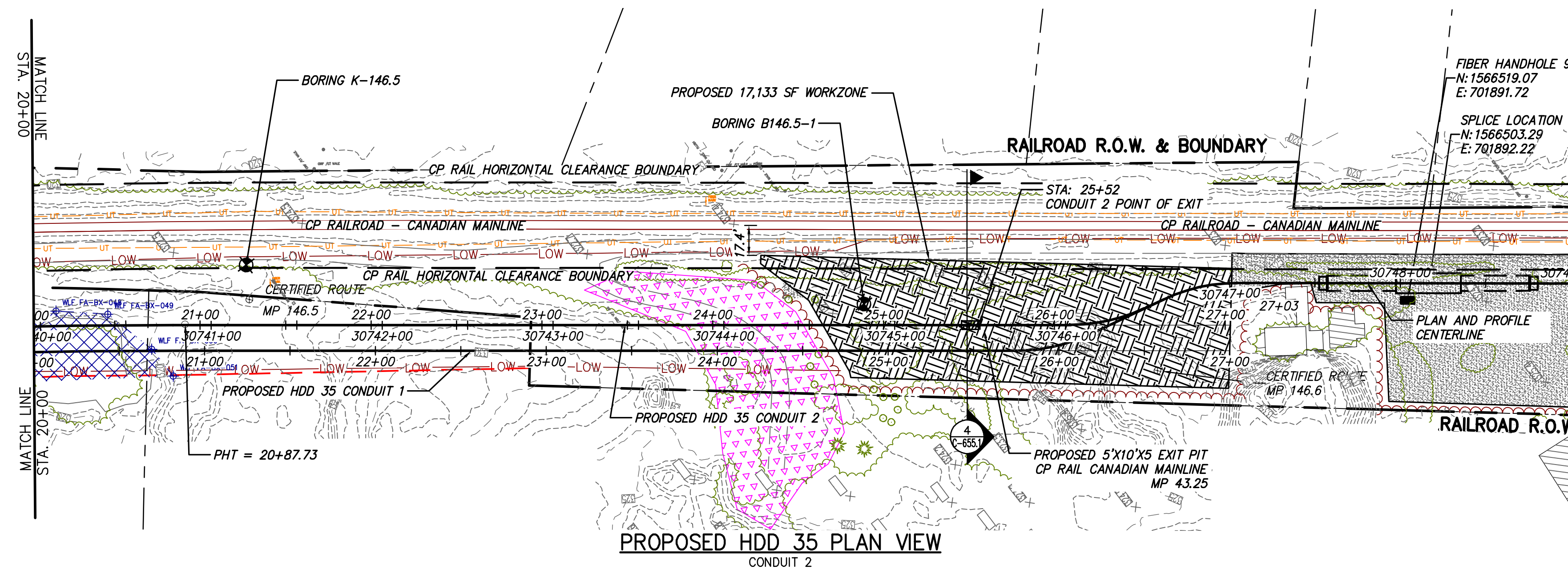
NOTE:
1) THE USE OF CONDUCTOR CASINGS IS RECOMMENDED TO MITIGATE THE POTENTIAL RELEASE OF THE DRILLING FLUIDS.



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 35, CONDUIT 2				KIEWIT PROJECT NO. 21162 CHA PROJECT NO. 086076 DRAWING NO. C-315A.1	
0	04/05/2023	FINAL EM&CP SUBMISSION	MCS	JEO	DATE
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DATE
DRAWN BY: JAS				DESIGNED BY: JAS	
APPROVED BY: JEO				SCALE AS NOTED	
REV. NO.				DATE 04/05/2023	

File: V:\PROJECTS\ANY\66076\000\09_DESIGN\DRAWINGS\01_SHEETS\DESIGN PACKAGE 3\086076_P3_C-315 - C315A.DWG. Saved: 4/3/2023 4:18:10 PM. Plotted: 4/4/2023 3:45:33 PM. Current User: Snyder, Morgan. Last Saved By: 8275



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 SIDL
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	

NOTE:
1) THE USE OF CONDUCTOR CASINGS IS RECOMMENDED TO MITIGATE THE POTENTIAL RELEASE OF THE DRILLING FLUIDS.



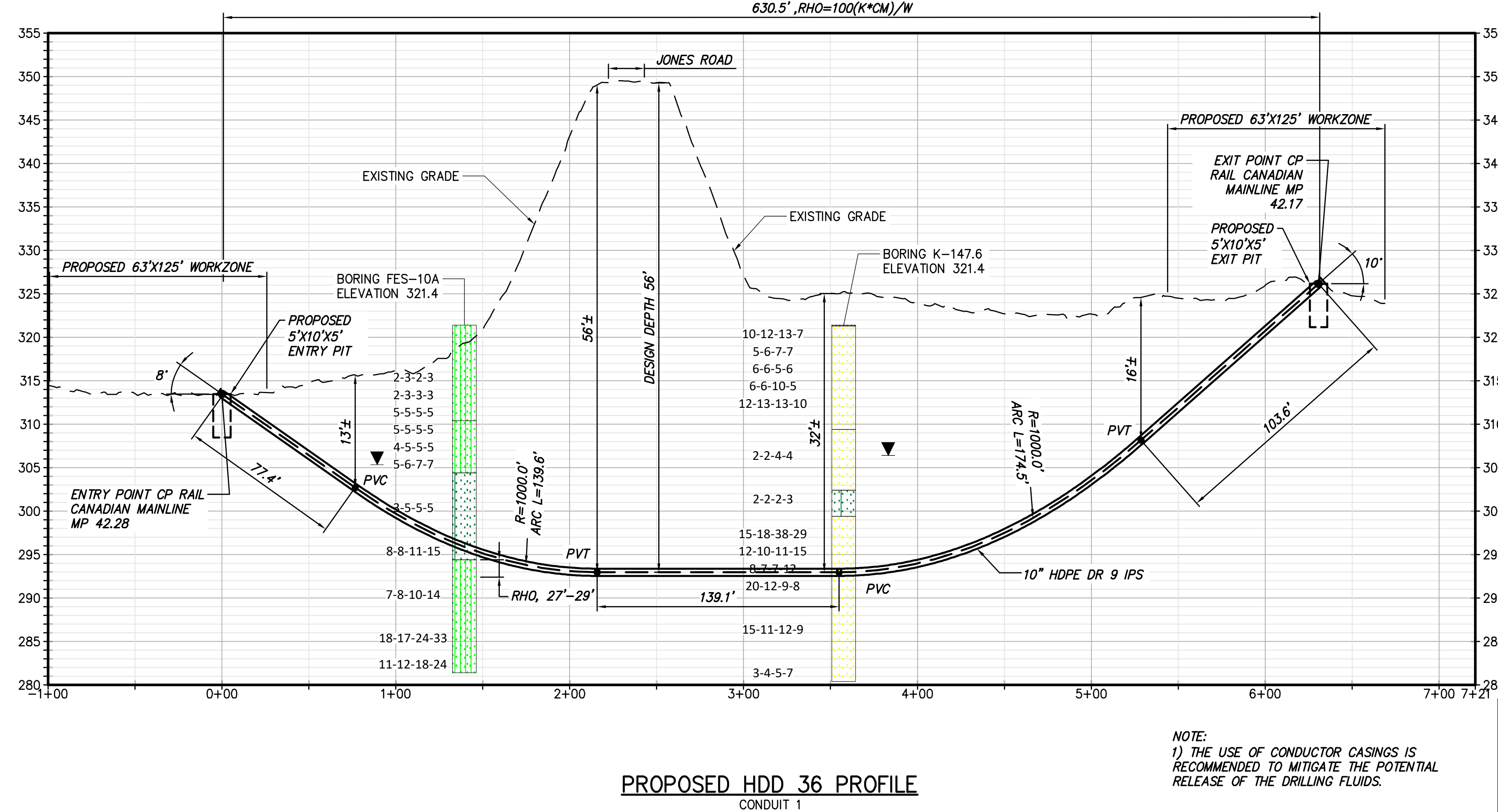
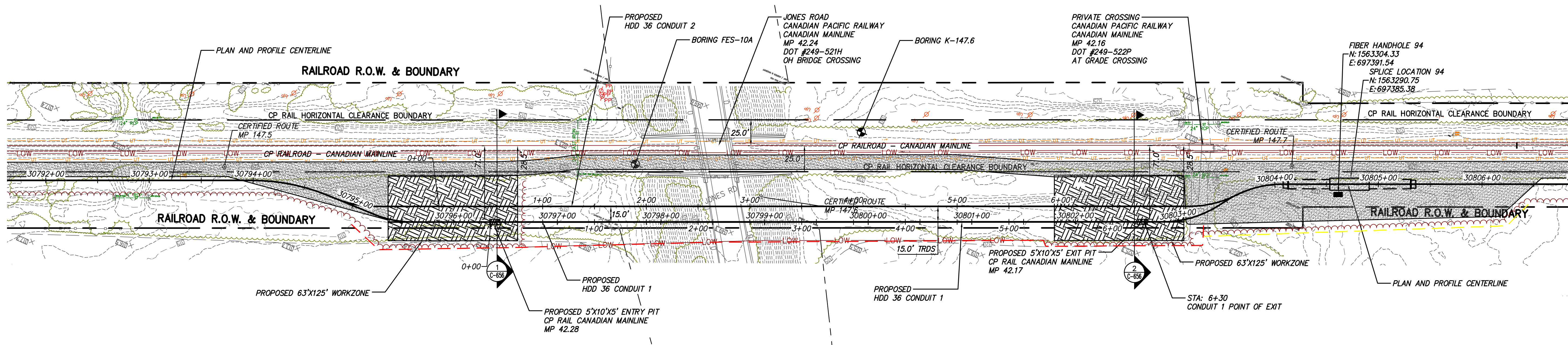
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CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
PLAN AND PROFILE - HDD 35, CONDUIT 2

KIEWIT PROJECT NO. 21162
CHA PROJECT NO. 086076
DRAWING NO. **C-315A.2**

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
								REV. NO.	1	SH.NO.

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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
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
Topsail	Topsail
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

B101

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

NOTE:
1) THE USE OF CONDUCTOR CASINGS IS RECOMMENDED TO MITIGATE THE POTENTIAL RELEASE OF THE DRILLING FLUIDS.



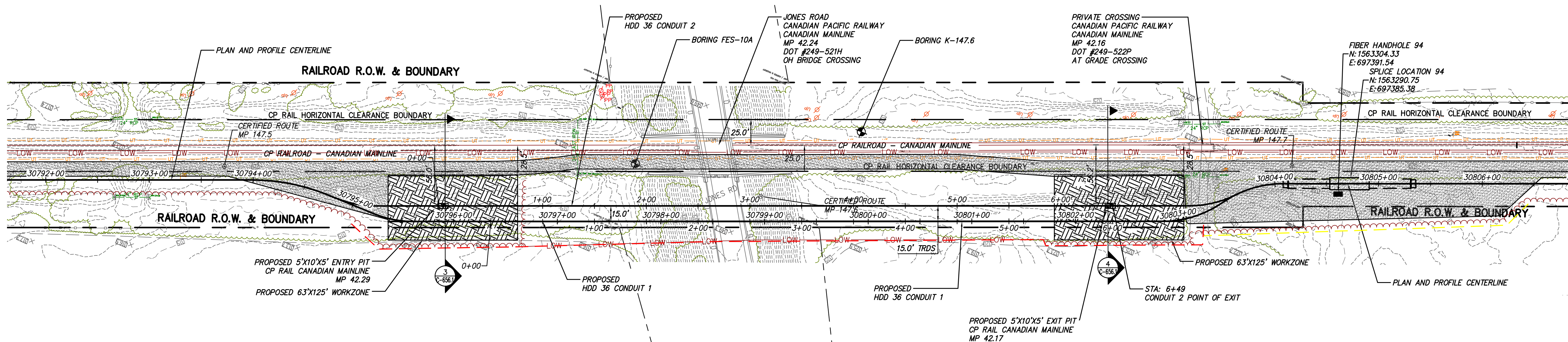
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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
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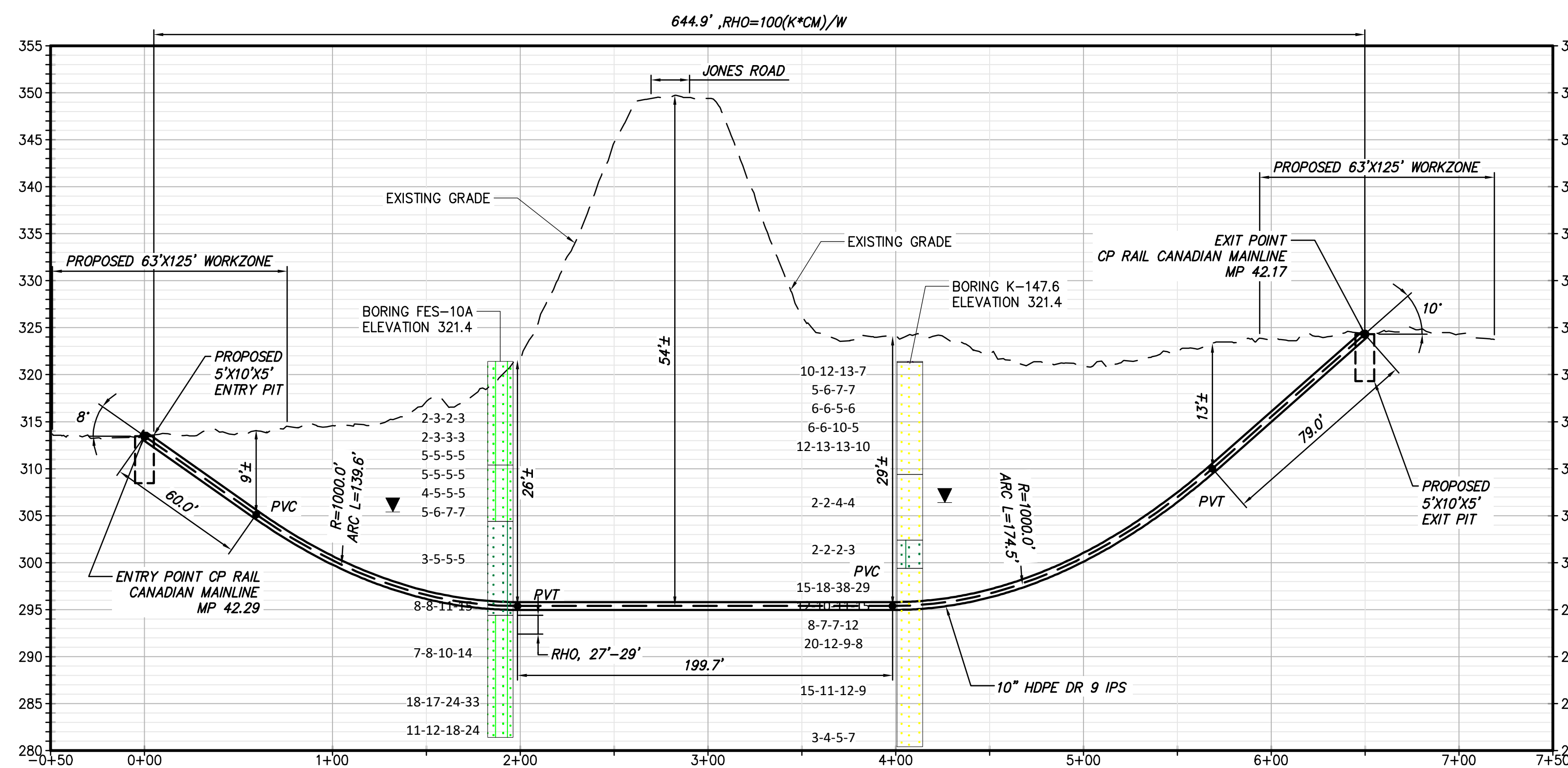
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
PLAN AND PROFILE - HDD 36, CONDUIT 1

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	086076
DRAWING NO.	C-316
SCALE	AS NOTED
DATE	04/05/2023

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



PROPOSED HDD 36 PLAN VIEW
CONDUIT 2



PROPOSED HDD 36 PROFILE
CONDUIT 2

NOTE:
1) THE USE OF CONDUCTOR CASINGS IS
RECOMMENDED TO MITIGATE THE POTENTIAL
RELEASE OF THE DRILLING FLUIDS.

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
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
Delayed Water Table	Water Table after drilling

BORING LOG STRIP LEGEND	
B101	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	



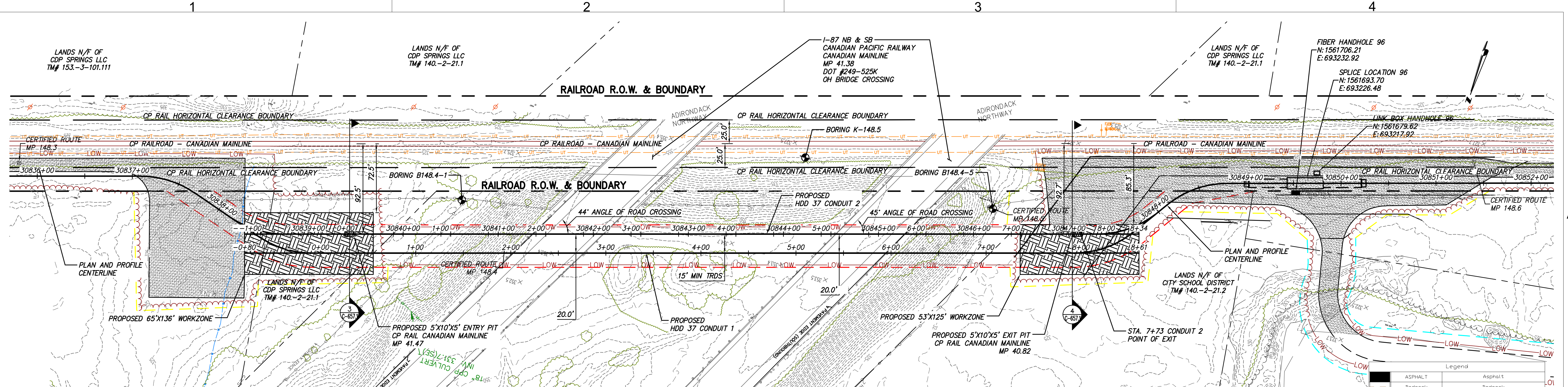
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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
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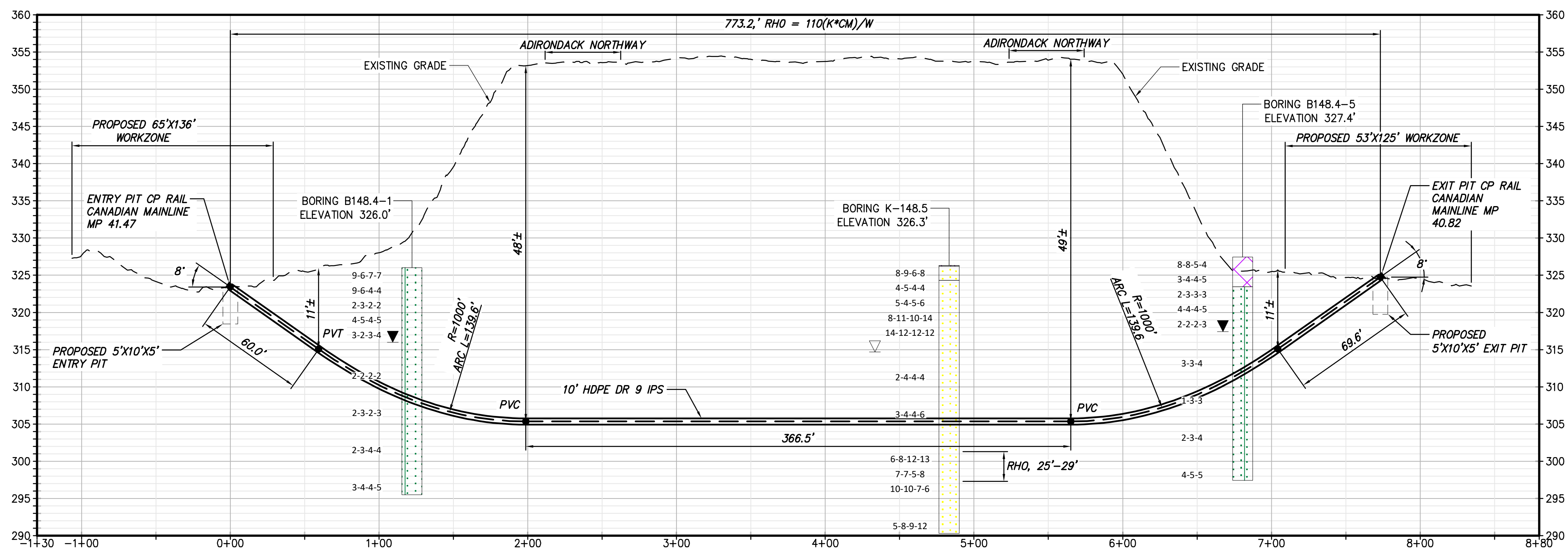
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
PLAN AND PROFILE - HDD 36, CONDUIT 2

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	086076
DRAWING NO.	C-316A
SCALE	AS NOTED
DATE	04/05/2023

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PROPOSED HDD 37 PLAN VIEW
CONDUIT 2



PROPOSED HDD 37 PROFILE
CONDUIT 2

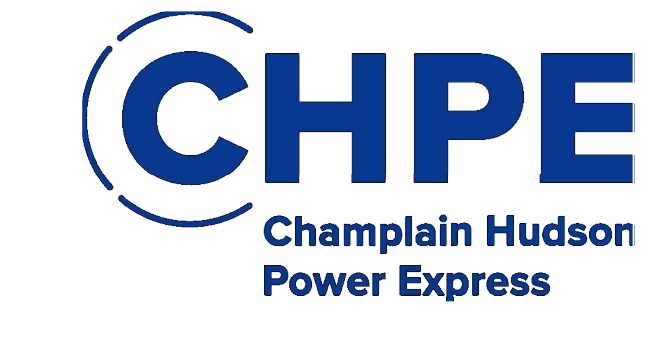
NOTE:
1) THE USE OF CONDUCTOR CASINGS IS RECOMMENDED TO MITIGATE THE POTENTIAL RELEASE OF THE DRILLING FLUIDS.

BORING LOG STRIP LEGEND

	B101
	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
	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
	Delayed Water Table	Water Table after drilling



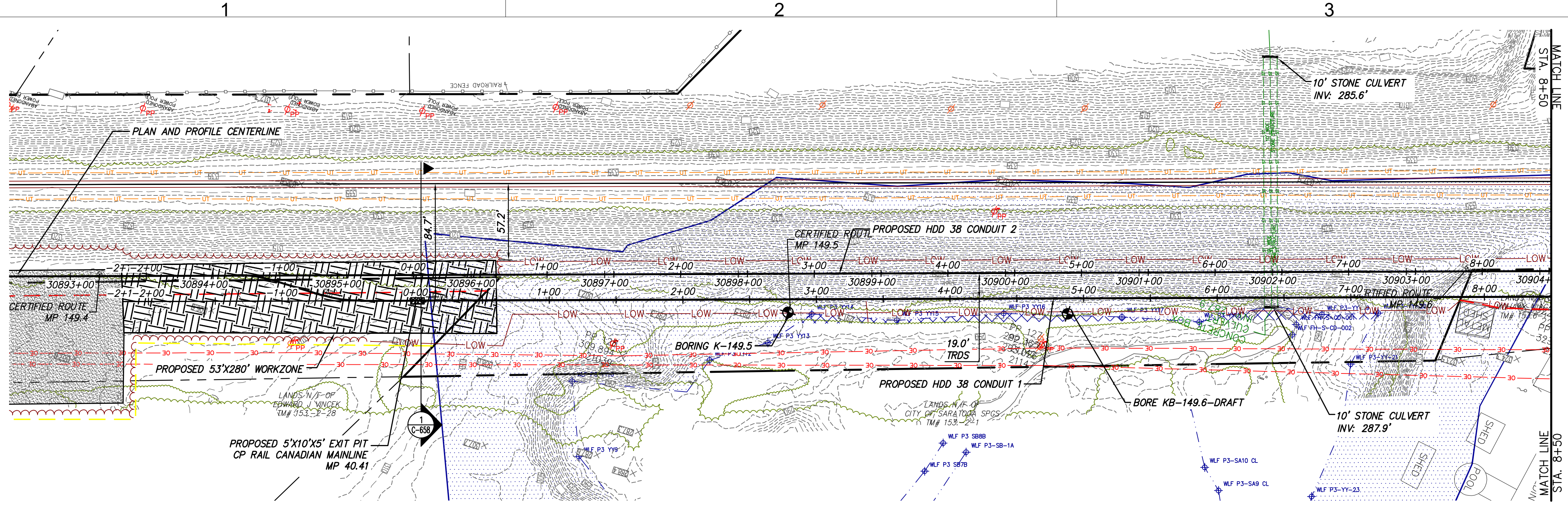
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0	04/05/2023	FINAL EM&CP SUBMISSION	MCS	JEO
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP

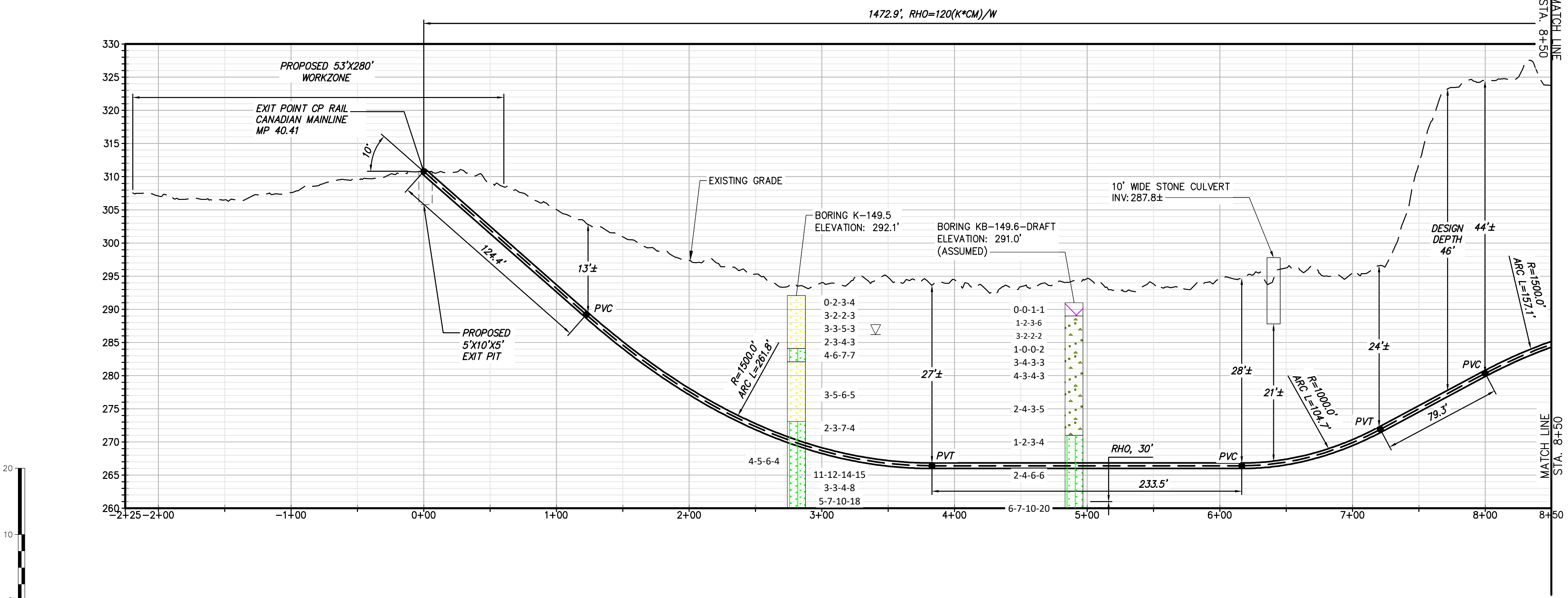
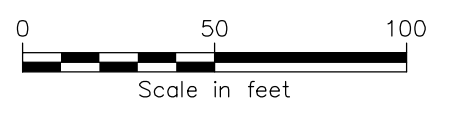
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
PLAN AND PROFILE - HDD 37, CONDUIT 2

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	086076
DRAWING NO.	C-317A
SCALE	AS NOTED
DATE	04/05/2023

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PROPOSED HDD 38 PLAN VIEW
CONDUIT 1



PROPOSED HDD 38 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
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

NOTE:
1) THE USE OF CONDUCTOR CASINGS IS RECOMMENDED TO MITIGATE THE POTENTIAL RELEASE OF THE DRILLING FLUID.

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	



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.

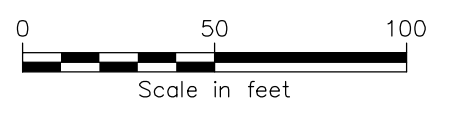
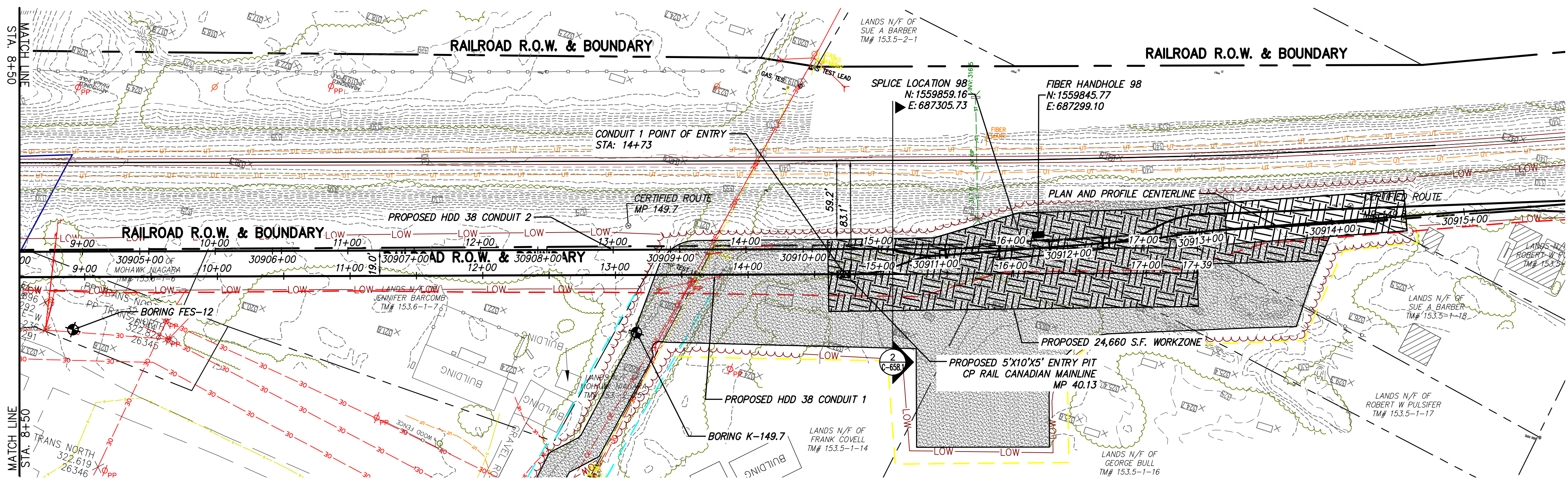
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
0	04/05/2023	FINAL EM&CP SUBMISSION	MCS	JEO

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
PLAN AND PROFILE - HDD 38, CONDUIT 1

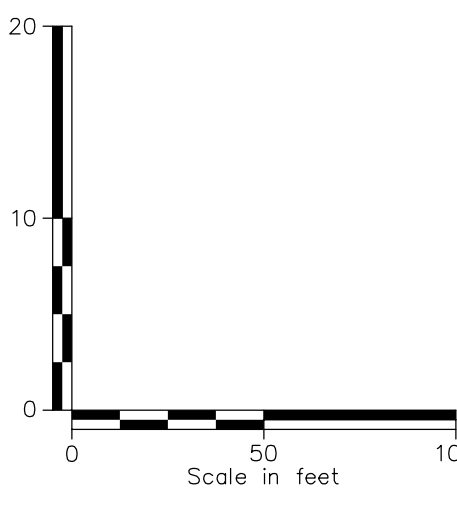
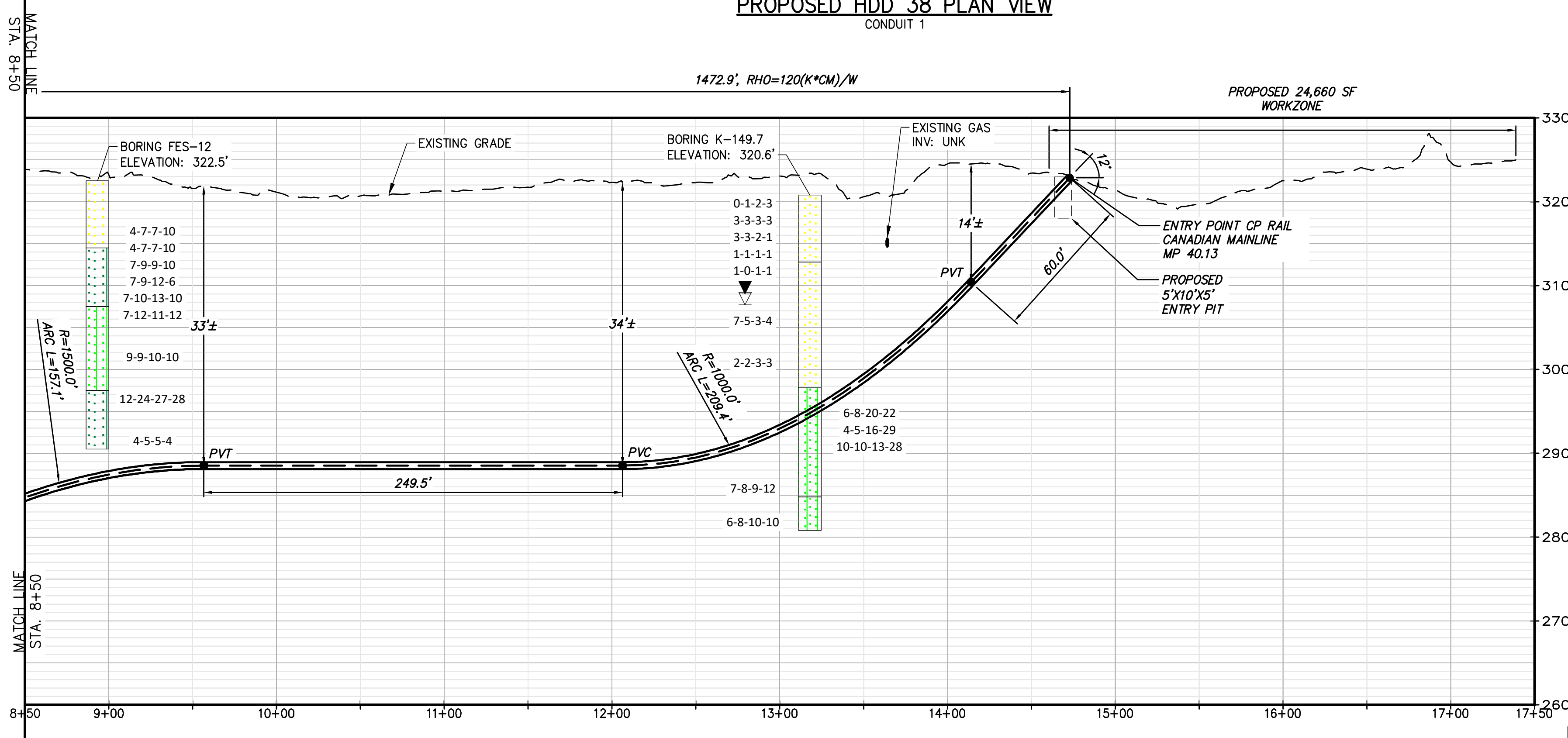
KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	086076
DRAWING NO.	C-318
SCALE	AS NOTED
DATE	04/05/2023

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

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PROPOSED HDD 38 PLAN VIEW
CONDUIT 1



PROPOSED HDD 38 PROFILE
CONDUIT 1

Legend	
[Symbol]	Asphalt
[Symbol]	Bedrock
[Symbol]	Boulder
[Symbol]	Fat CLAY
[Symbol]	SILTY Fat CLAY
[Symbol]	Lean CLAY
[Symbol]	SILTY CLAY
[Symbol]	Concrete
[Symbol]	Fill
[Symbol]	CLAYEY GRAVEL
[Symbol]	SILTY CLAYEY GRAVEL
[Symbol]	SILTY GRAVEL
[Symbol]	Poorly Graded GRAVEL
[Symbol]	Poorly Graded GRAVEL with CLAY
[Symbol]	Poorly Graded GRAVEL with SILT
[Symbol]	Well Graded GRAVEL
[Symbol]	Well Graded GRAVEL with CLAY
[Symbol]	Well Graded GRAVEL with SILT
[Symbol]	Limestone
[Symbol]	Elastic SILT
[Symbol]	SILT
[Symbol]	ORGANIC Fat CLAY
[Symbol]	ORGANIC Lean CLAY
[Symbol]	ORGANIC SILT
[Symbol]	PEAT
[Symbol]	Rock
[Symbol]	Sandstone
[Symbol]	CLAYEY SAND
[Symbol]	SILT, CLAYEY SAND
[Symbol]	SHALE
[Symbol]	Siltstone
[Symbol]	SILTY SAND
[Symbol]	Poorly Graded SAND
[Symbol]	Poorly Graded SAND with CLAY
[Symbol]	Poorly Graded SAND with SILT
[Symbol]	Well graded SAND
[Symbol]	Well Graded SAND with CLAY
[Symbol]	Well Graded SAND with SILT
[Symbol]	Topsoil
[Symbol]	Gravel or Conglomerate 1
[Symbol]	Subgraywacke
[Symbol]	Interbedded Sandstone and Shale
[Symbol]	Quartzite
[Symbol]	Schist
[Symbol]	Schist
[Symbol]	Gneiss
[Symbol]	Gneiss
[Symbol]	Granite 1
[Symbol]	Void
[Symbol]	Water
[Symbol]	Weathered Rock
[Symbol]	Undefined
[Symbol]	Water Table during drilling
[Symbol]	Water Table after drilling

NOTE:
1) THE USE OF CONDUCTOR CASINGS IS RECOMMENDED TO MITIGATE THE POTENTIAL RELEASE OF THE DRILLING FLUID.

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



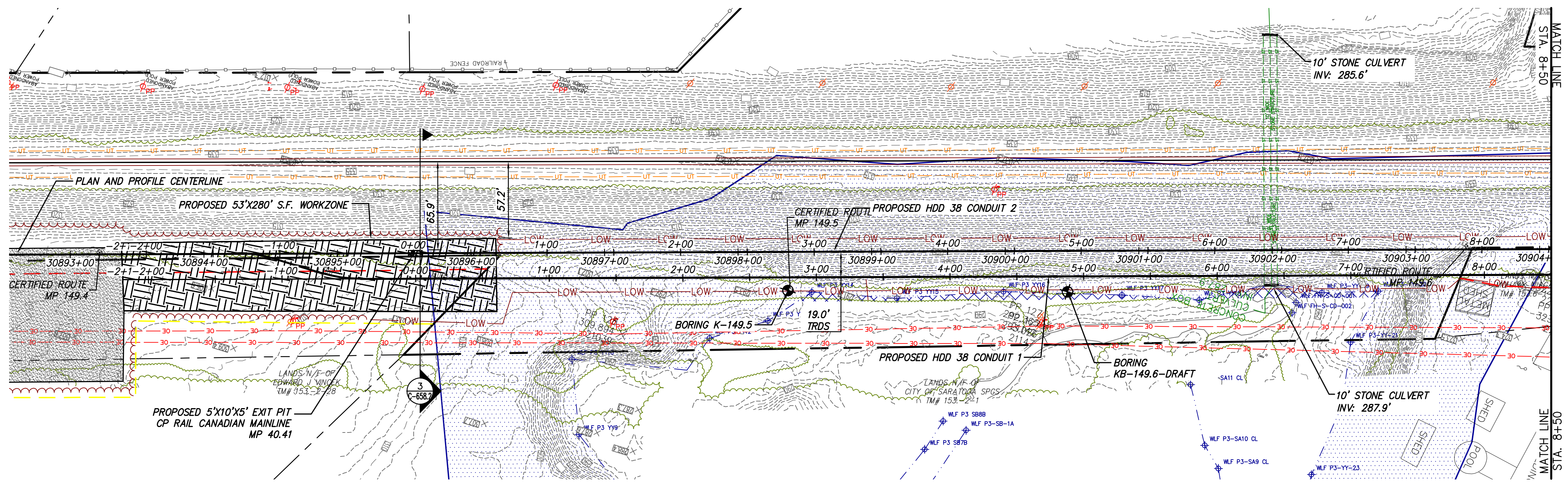
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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
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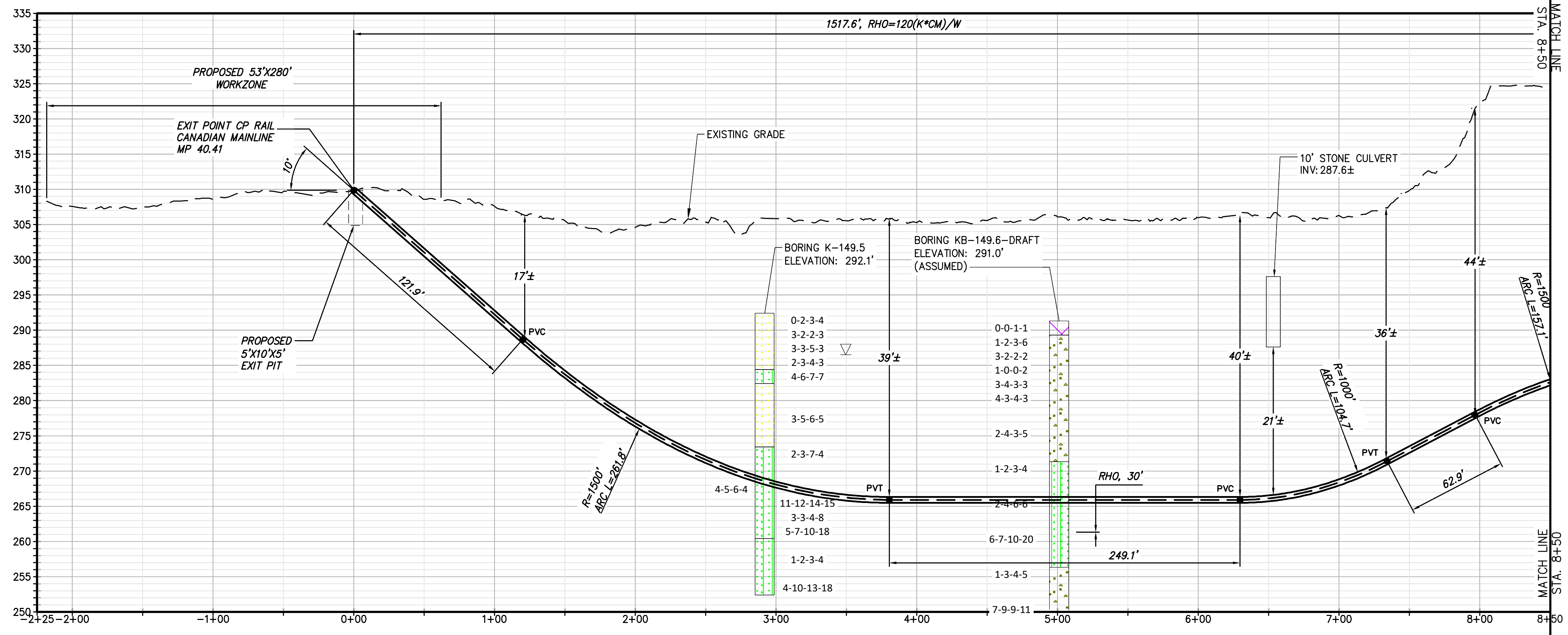
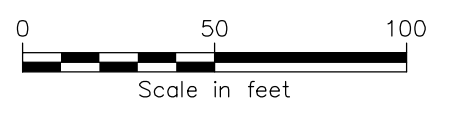
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
PLAN AND PROFILE - HDD 38, CONDUIT 1

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	086076
DRAWING NO.	C-318.1
SCALE	AS NOTED
DATE	04/05/2023
SH.NO.	X

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



PROPOSED HDD 38 PLAN VIEW
CONDUIT 2



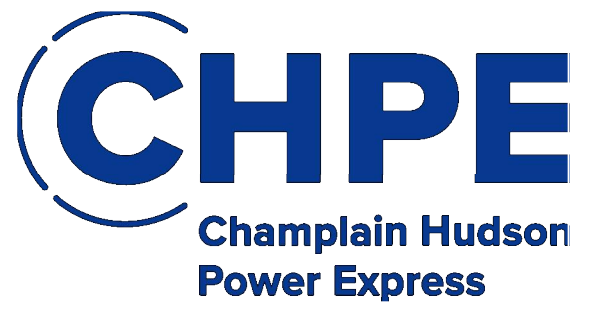
PROPOSED HDD 38 PROFILE
CONDUIT 2



Legend	
ASPHALT	Asphalt
Bedrock	Bedrock
Boulder	Boulder
CH	Fat CLAY
CH-MH	SILTY Fat CLAY
CL	Lean CLAY
CL-ML	SILTY CLAY
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
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
Topsail	Topsail
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

NOTE:
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BORING LOG STRIP LEGEND	
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2D strip logs shown at 10x exaggeration	
3D strip logs have no exaggeration	



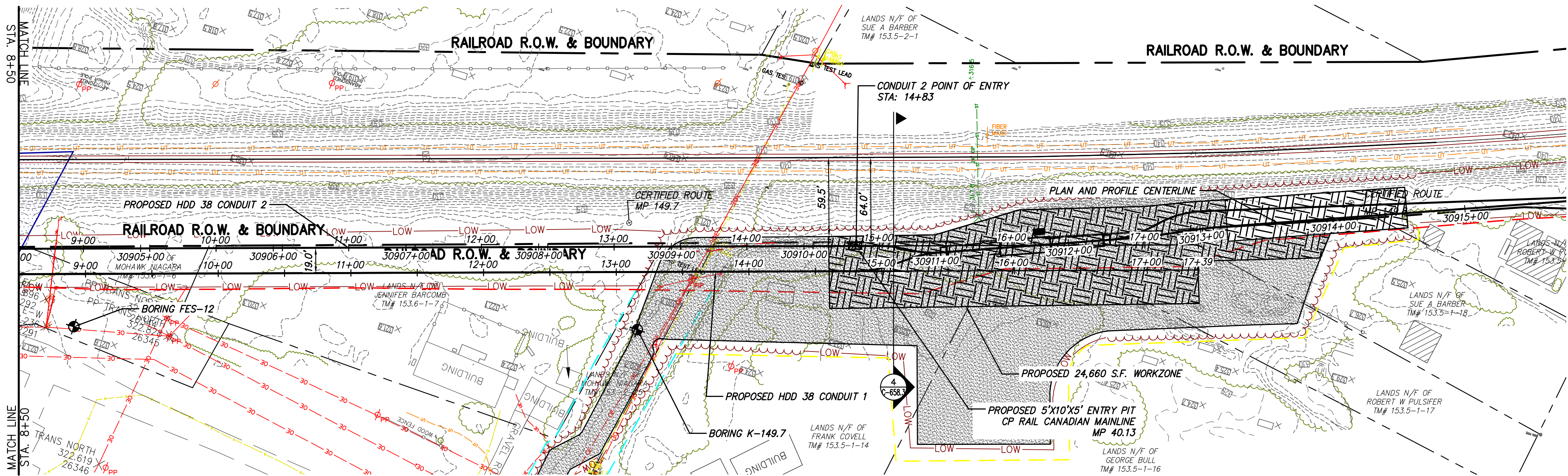
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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
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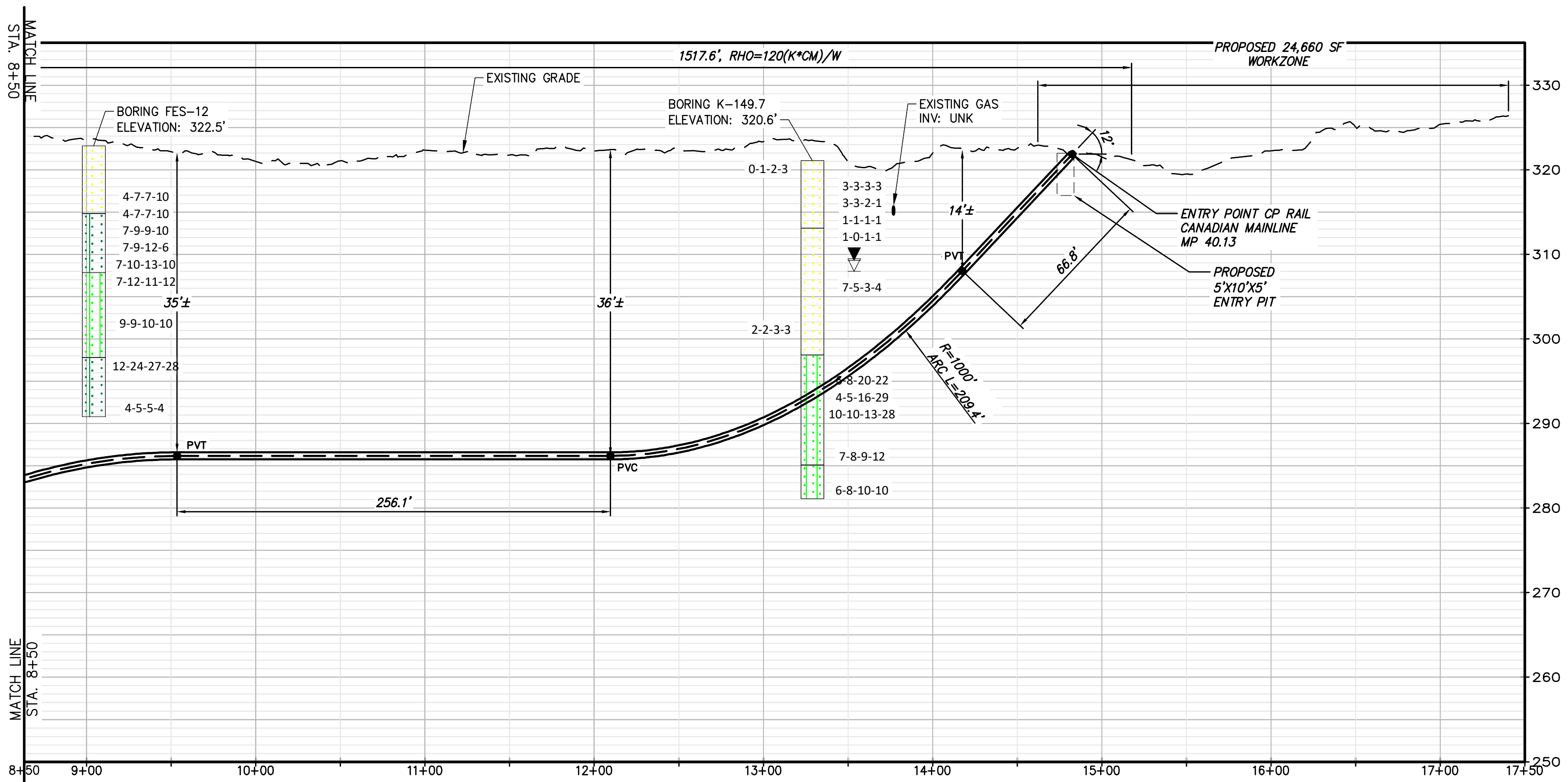
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
PLAN AND PROFILE - HDD 38, CONDUIT 2

KIEWIT PROJECT NO. 21162
CHA PROJECT NO. 086076
DRAWING NO. C-318A

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



PROPOSED HDD 38 PLAN VIEW
CONDUIT 2

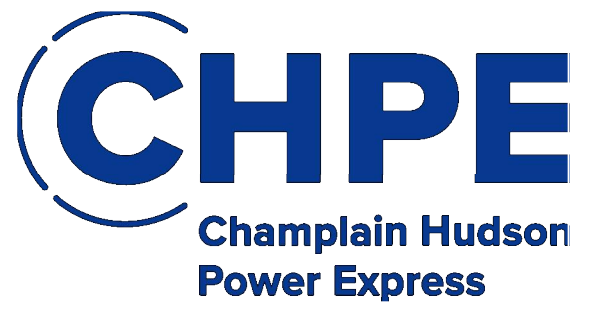
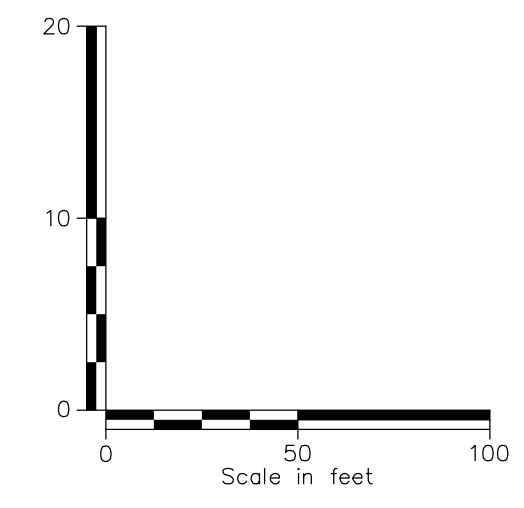
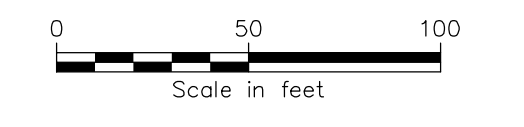


PROPOSED HDD 38 PROFILE
CONDUIT 2

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
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
Delayed Water Table	Water Table after drilling

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BORING LOG STRIP LEGEND	
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Recovery %/RQD % = 95%/90%	
2D strip logs shown at 10x exaggeration 3D strip logs have no exaggeration	



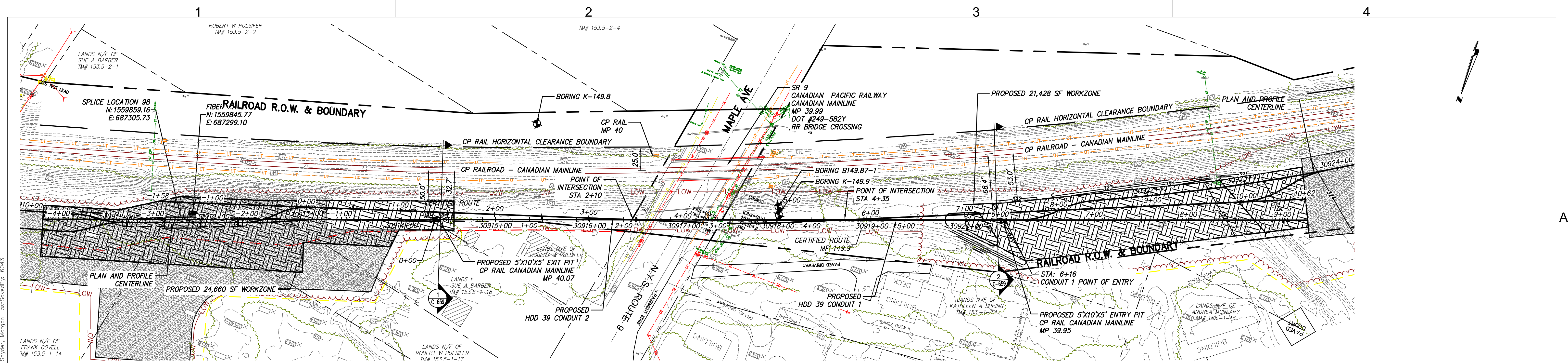
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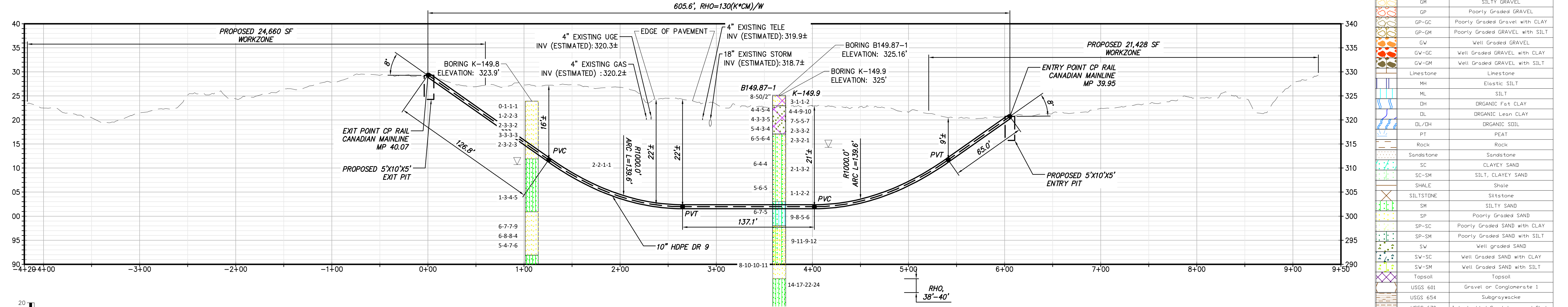
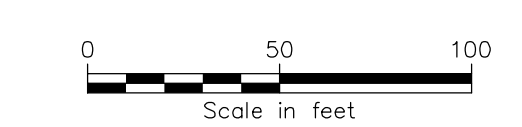
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
PLAN AND PROFILE - HDD 38, CONDUIT 2

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	086076
DRAWING NO.	C-318A.1
SCALE	AS NOTED
DATE	04/05/2023

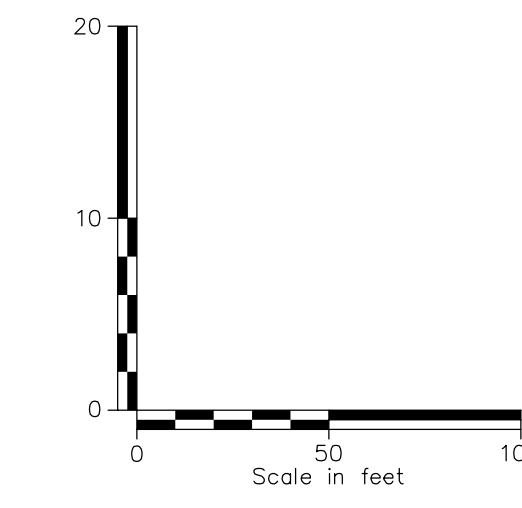
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PROPOSED HDD 39 PLAN VIEW
CONDUIT 1



PROPOSED HDD 39 PROFILE
CONDUIT 1



NOTE:
 1) BORE AND BORE HATCHING IN PROFILES ARE NOT CLEARLY LEGIBLE TO THE CLOSE PROXIMITY OF THE MULTIPLE BORES AT 50 SCALE. USERS MUST CONSULT THE ACTUAL BORE LOGS AND REPORTS FOR THE CLARIFICATION AND OR INTERPRETATION.
 2) THE USE OF CONDUCTOR CASINGS IS RECOMMENDED TO MITIGATE THE POTENTIAL RELEASE OF THE DRILLING FLUIDS.
 3) AN ADDITIONAL GEOTECHNICAL BORE TO A DEPTH DEEPER THAN CONDUIT 2 WILL BE MADE PRIOR TO CONSTRUCTION, IF THE HDD DRILLER HAS NOT RECEIVED THIS BORING LOG IT SHALL BE REQUESTED PRIOR TO DEVELOPMENT OF THE FINAL WRITTEN PLANS.
 4) DRILLER SHALL FIELD VERIFY THE WING WALL CLOSEST TO THE POINT OF INTERSECTION AND FURTHER OBSERVE A TIGHTER DRILLING TOLERANCE OF 5 FOOT LEFT AND 2.5 FOOT RIGHT TO LIMIT POTENTIAL CONTACT WITH PILING UNDER THE BRIDGE ABUTMENT FOOTERS.

BORING LOG STRIP LEGEND

B101
 Blow Counts per 6" = 10-10-10
 Recovery %/RQD % = 95%/90%
 11000psi = UCS

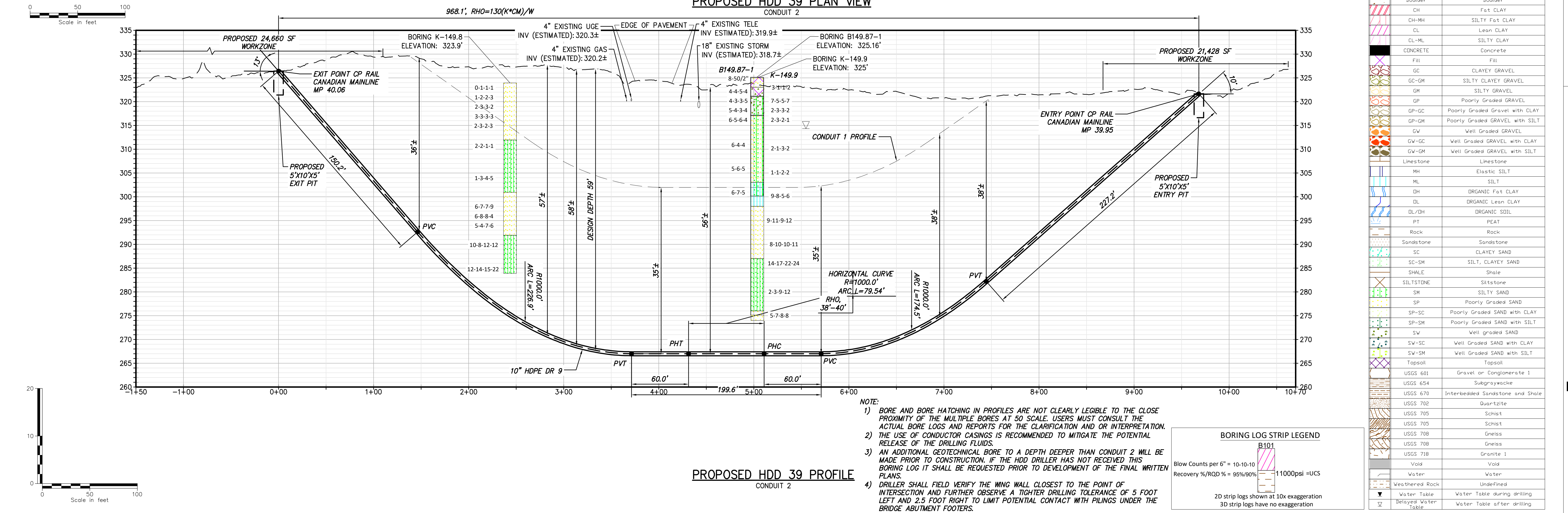
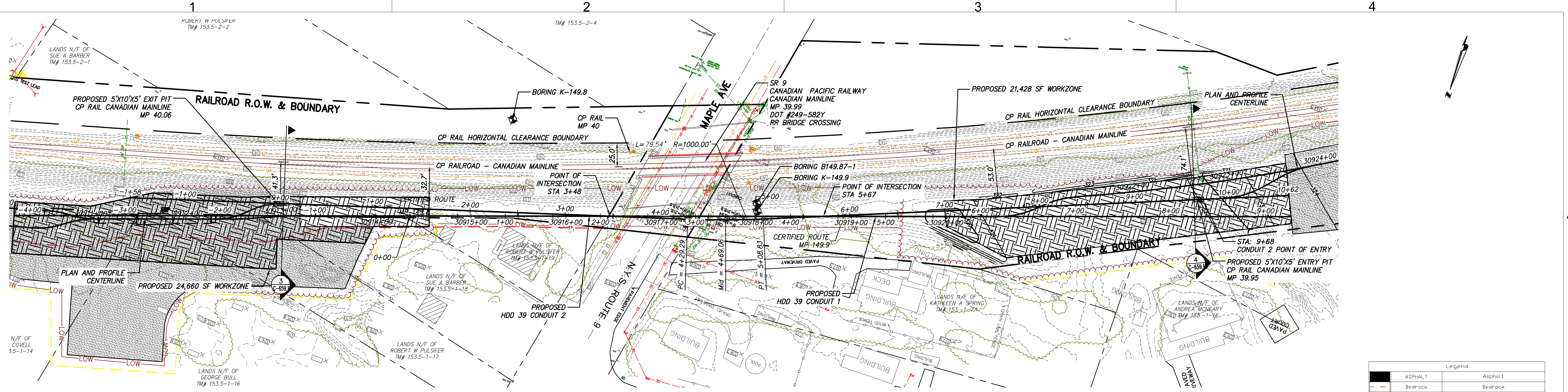
2D strip logs shown at 10x exaggeration
 3D strip logs have no exaggeration

Legend	
ASPHALT	Asphalt
Bedrock	Bedrock
Boulder	Boulder
CH	Fat CLAY
CH-MH	SILTY Fat CLAY
CL	Lean CLAY
CL-ML	SILTY CLAY
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
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	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 39, CONDUIT 1		KIEWIT PROJECT NO. 21162
		CHA PROJECT NO. 086076
		DRAWING NO. C-319
No.	DATE	SUBMITTAL / REVISION DESCRIPTION
0	04/05/2023	FINAL EM&CP SUBMISSION
		MCS JEO
		DB APP
DRAWN BY:	ES	DESIGNED BY: ES
APPROVED BY:	JEO	SCALE AS NOTED
		DATE 04/05/2023
		SH.NO. X



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
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PT	PEAT
Rock	Rock
Sandstone	Sandstone
SC	CLAYEY SAND
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CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
PLAN AND PROFILE - HDD 39, CONDUIT 2

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	086076
DRAWING NO.	C-319A
SCALE	AS NOTED
DATE	04/05/2023

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