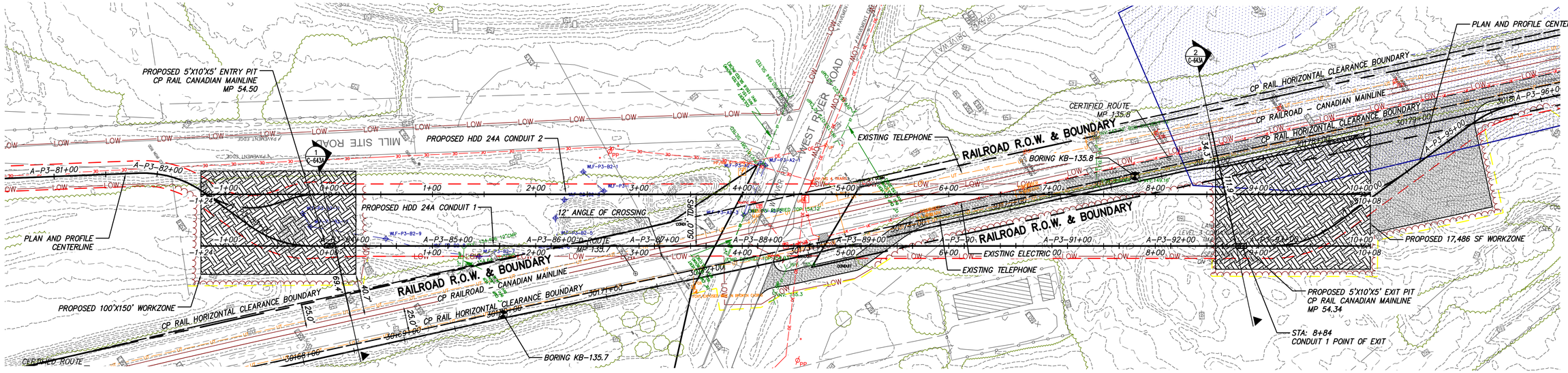
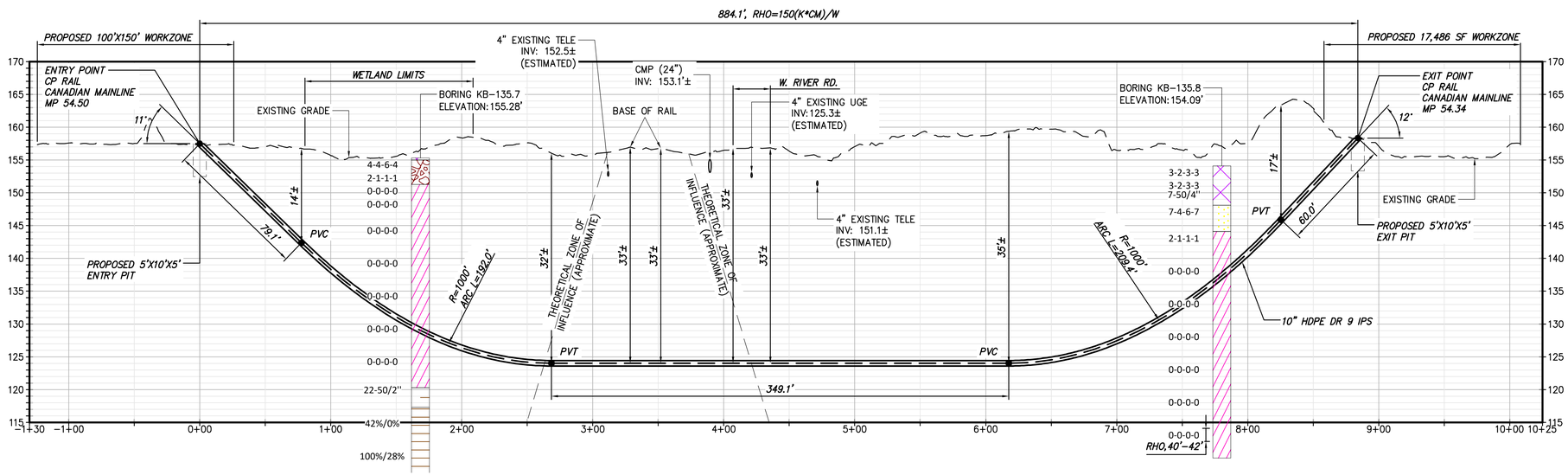


0 50 100
Scale in feet

PROPOSED HDD 24A PLAN VIEW

CONDUIT 1



PROPOSED HDD 24A PROFILE

CONDUIT 1

0 10 20
0 50 100
Scale in feet

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.

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 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
Topsoil	Topsoil
USGS 601	Gravel or Conglomerate 1
USGS 654	Subgraywacke
USGS 670	Interbedded Sandstone and Shale
USGS 702	Quartzite
USGS 705	Schist
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USGS 708	Gneiss
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Void	Void
Water	Water
Weathered Rock	Undefined
Water Table	Water Table during drilling
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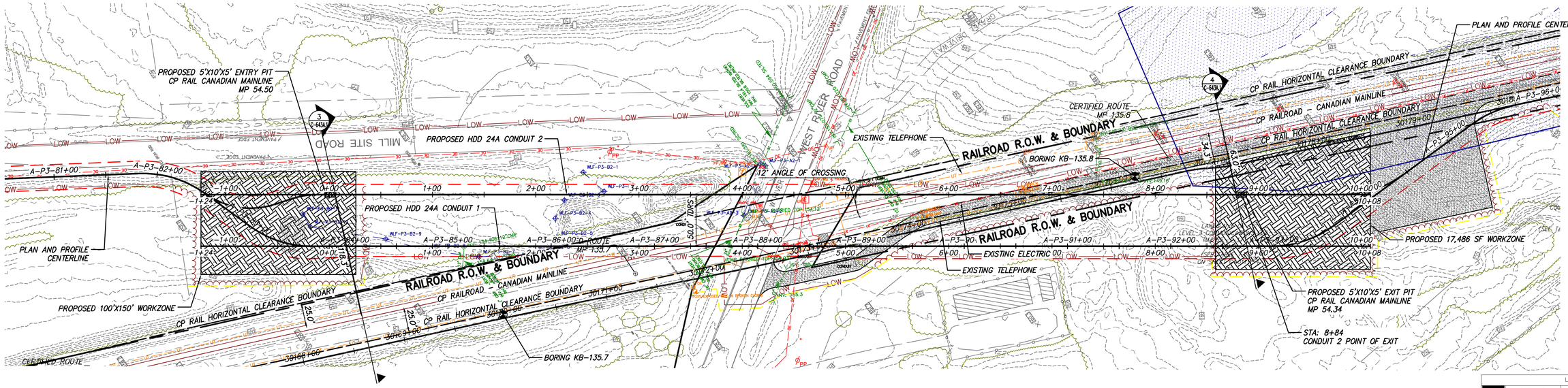
0	04/05/2023	FINAL EM&CP SUBMISSION	MCS	JEO

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
PLAN AND PROFILE - HDD 24A, CONDUIT 1

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

KIEWIT PROJECT NO. 21162
CHA PROJECT NO. 066076
DRAWING NO. **C-303B**
DATE 04/05/2023
SH.NO.

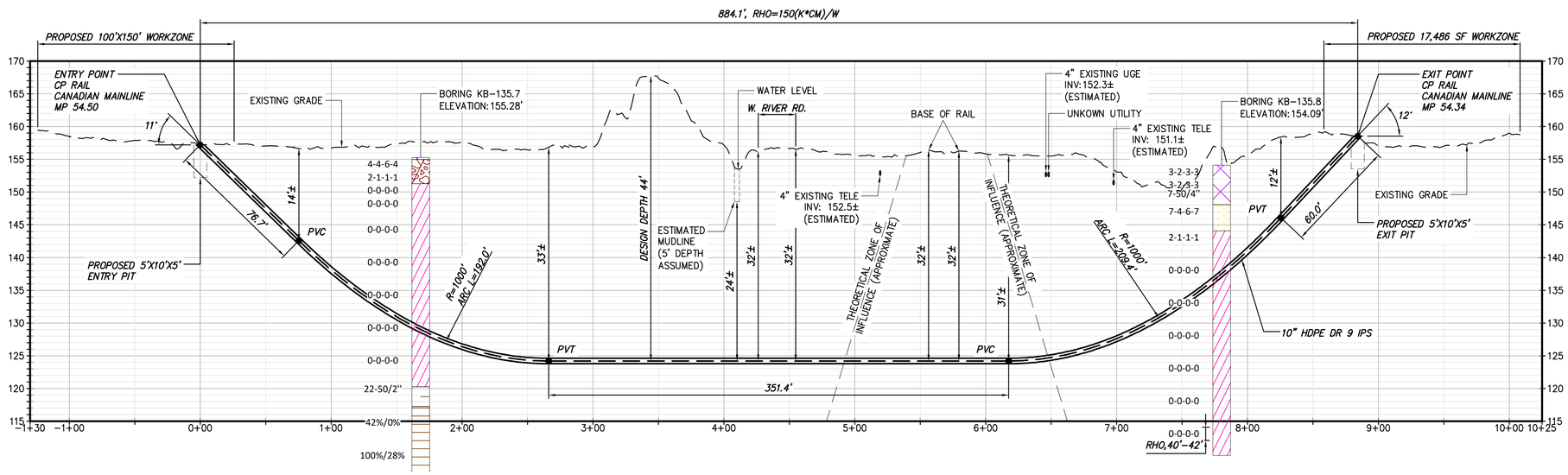
File: V:\PROJECTS\ANY\K6\066076.000\09_DESIGN\DRAWINGS\01_SHEETS\DESIGN PACKAGE 3\066076_P3_C-303B - C-303C.DWG Saved: 4/12/2023 8:32:34 AM Plotted: 4/12/2023 9:46:19 AM Current User: Snyder, Morgan LastSavedBy: 6043

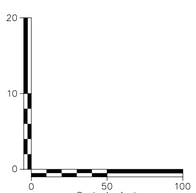


0 50 100
Scale in feet

PROPOSED HDD 24A PLAN VIEW

CONDUIT 2





PROPOSED HDD 24A PROFILE

CONDUIT 2

NOTE:
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2) SEE DRAWING NO. C-106 AND C-113 FOR ALIGNMENT "A-P3" STATION EQUATION.

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CHAMPLAIN HUDSON POWER EXPRESS

SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON

PLAN AND PROFILE - HDD 24A, CONDUIT 2

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

KIEWIT PROJECT NO. 21162
CHA PROJECT NO. 066076
DRAWING NO. **C-303C**
DATE 04/05/2023
SH.NO.

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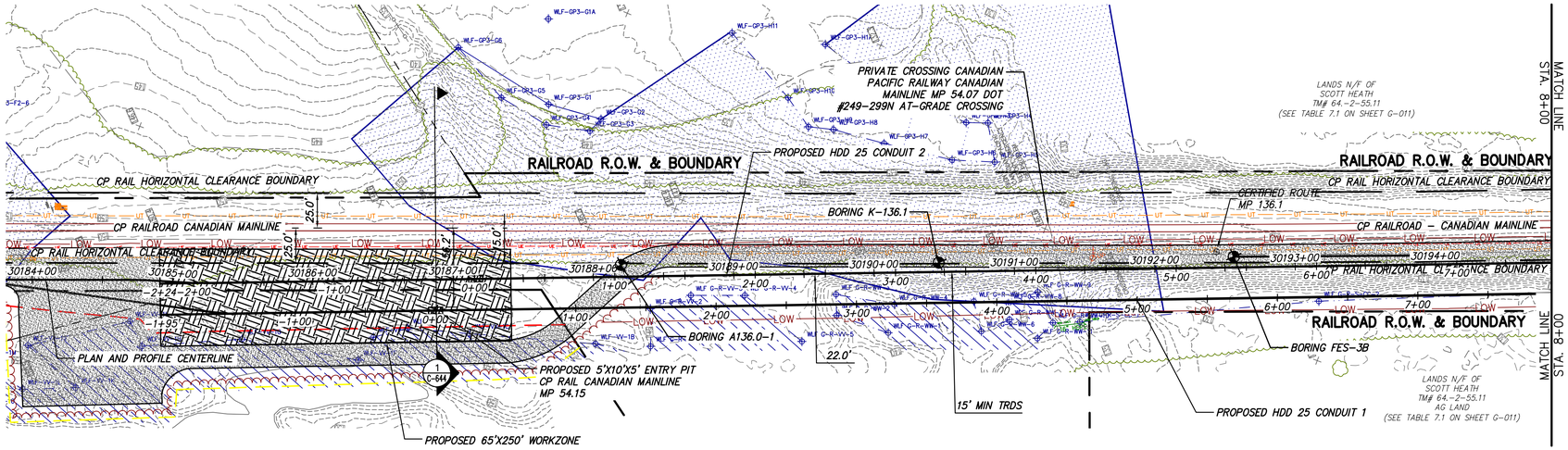
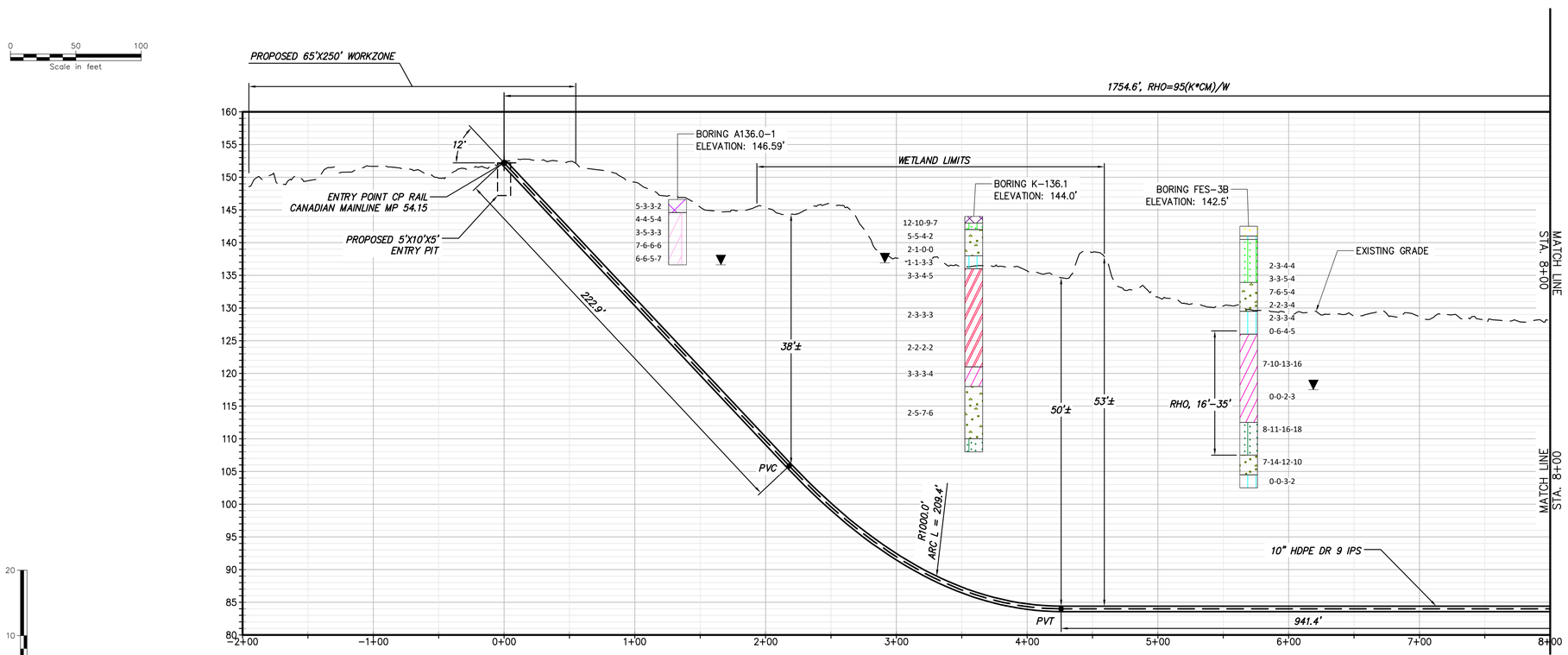


PROPOSED HDD 25 PLAN VIEW

CONDUIT 1



PROPOSED HDD 25 PROFILE VIEW

CONDUIT 1

NOTE:
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BORING LOG STRIP LEGEND

B101

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	Bedrock	Bedrock
	Boulder	Boulder
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CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
PLAN AND PROFILE - HDD 25, CONDUIT 1

KIEWIT PROJECT NO. 21162
CHA PROJECT NO. 066076
DRAWING NO. C-304

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

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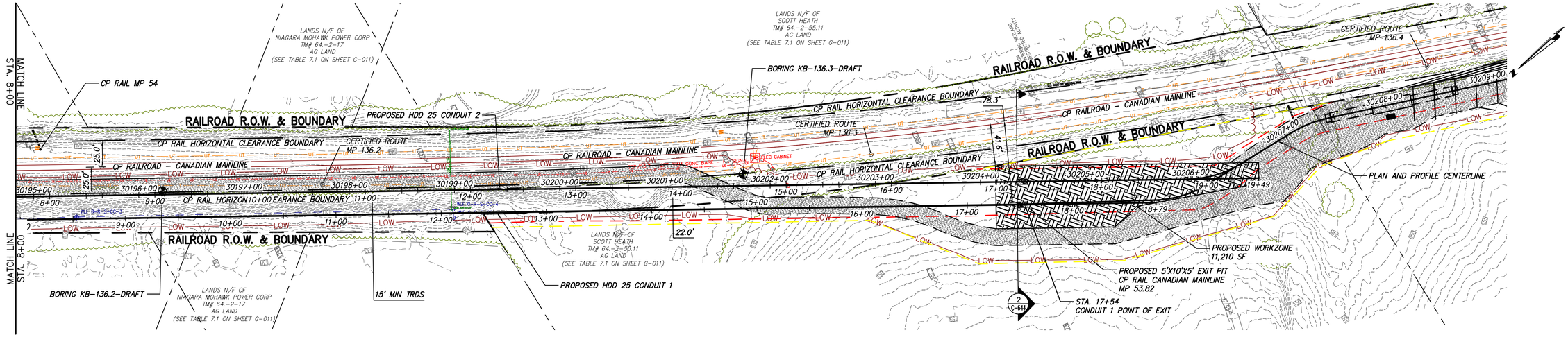
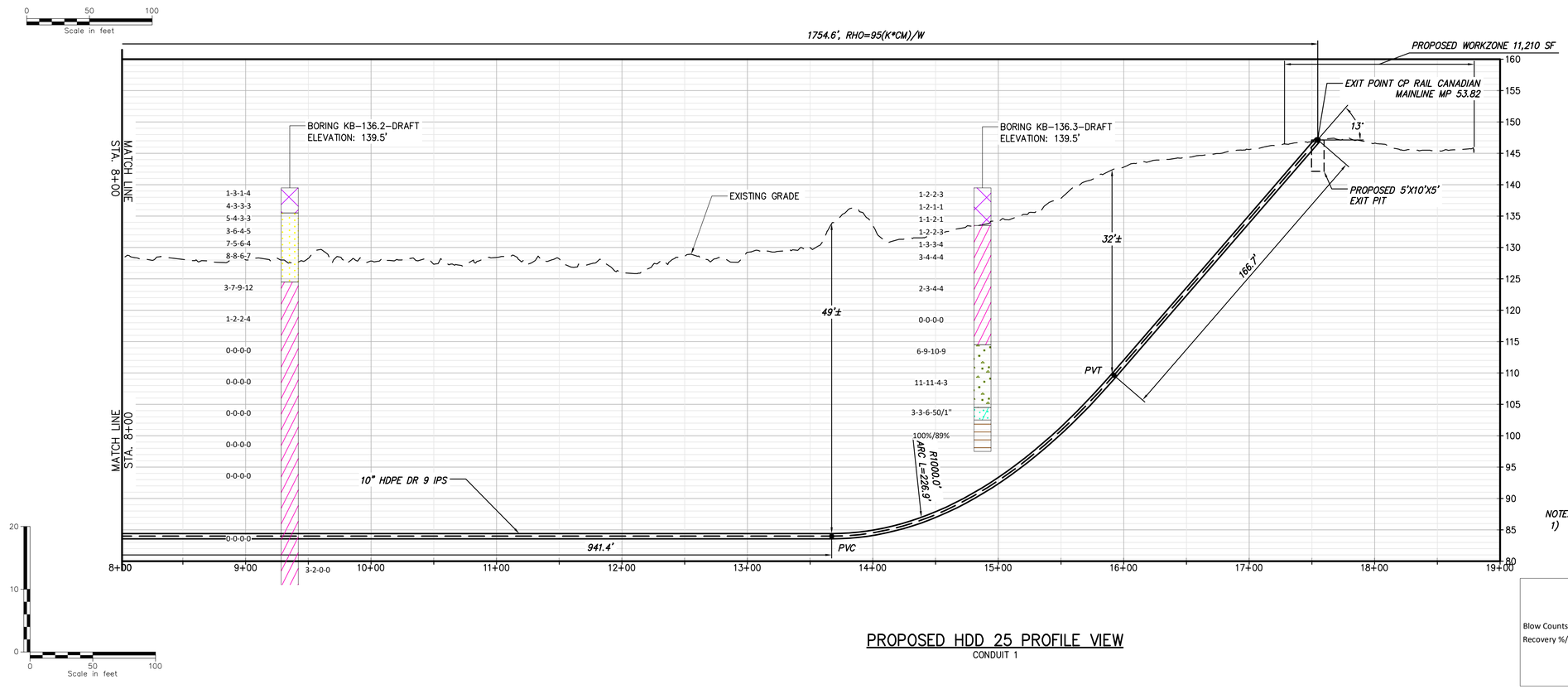


PROPOSED HDD 25 PLAN VIEW

CONDUIT 1



PROPOSED HDD 25 PROFILE VIEW

CONDUIT 1

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BORING LOG STRIP LEGEND

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Legend		
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	Bedrock	Bedrock
	Boulder	Boulder
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	CH-MH	SILTY Fat CLAY
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	CONCRETE	Concrete
	Fill	Fill
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CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
PLAN AND PROFILE - HDD 25, CONDUIT 1

KIEWIT PROJECT NO. 21162
CHA PROJECT NO. 066076
DRAWING NO. **C-304.1**

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

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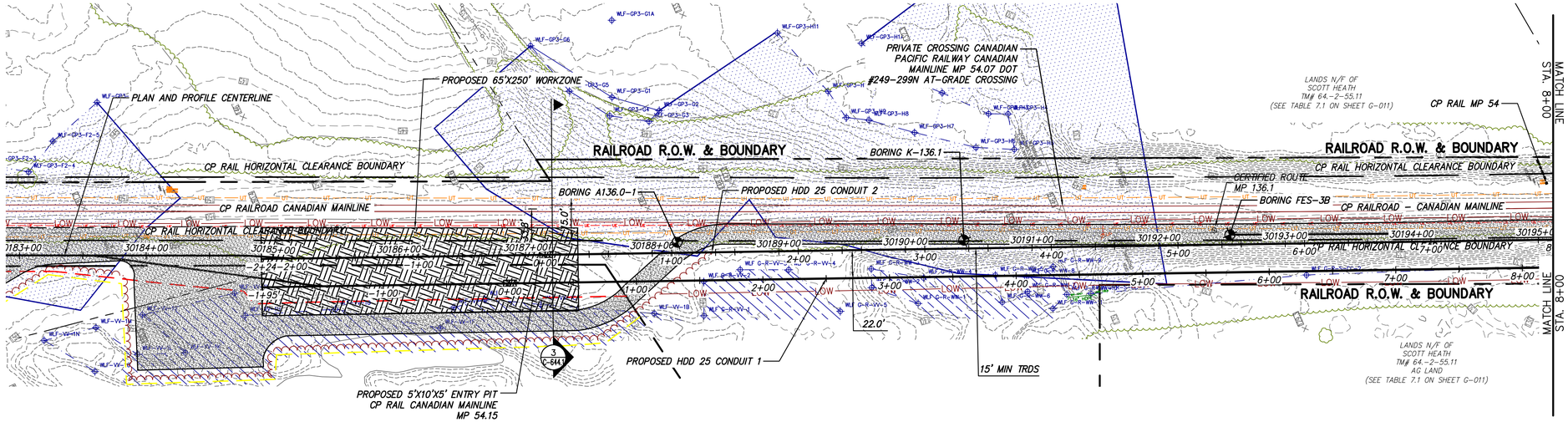
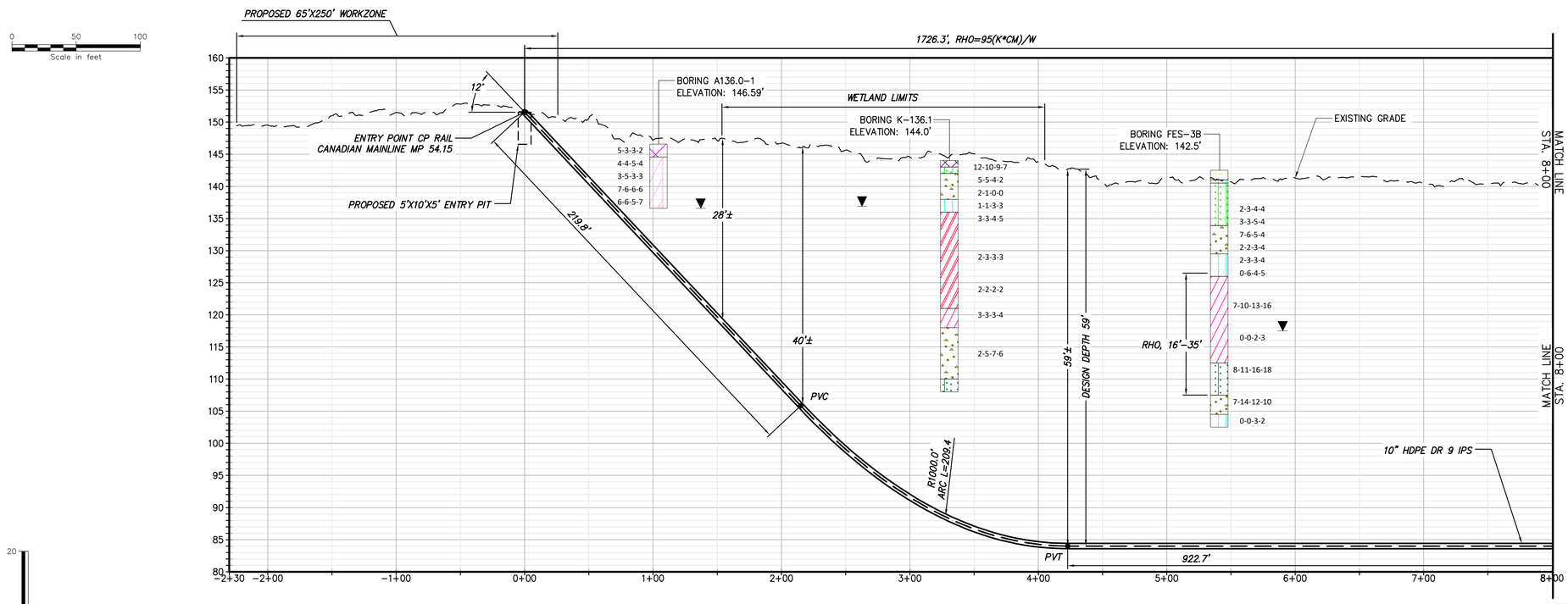


PROPOSED HDD 25 PLAN VIEW

CONDUIT 2



PROPOSED HDD 25 PROFILE VIEW

CONDUIT 2

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CHAMPLAIN HUDSON POWER EXPRESS

SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON

PLAN AND PROFILE - HDD 25, CONDUIT 2

DRAWN BY: CJL DESIGNED BY: CJL APPROVED BY: JEO

SCALE AS NOTED DATE 04/05/2023

REV. NO. X SH.NO.

KIEWIT PROJECT NO. 21162

CHA PROJECT NO. 066076

DRAWING NO. **C-304A**

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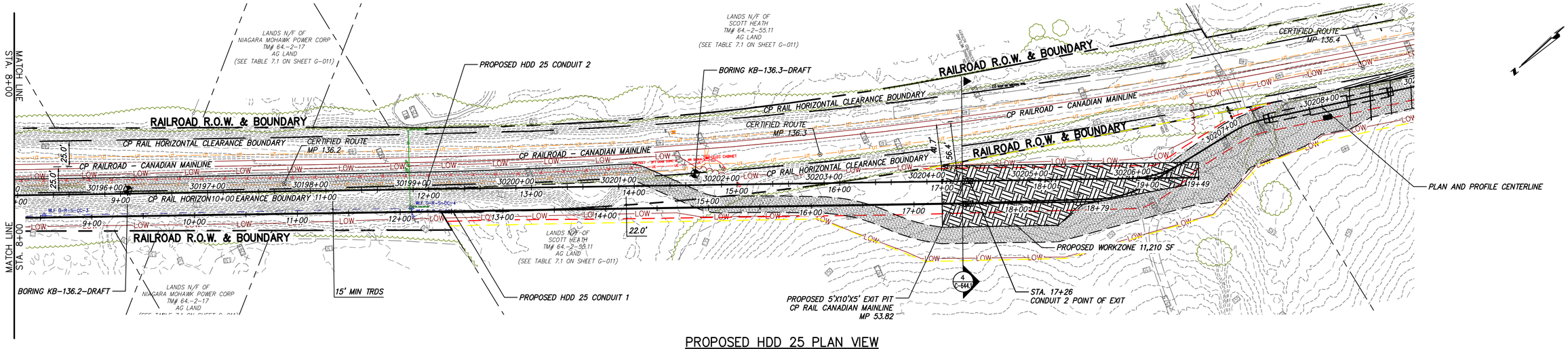
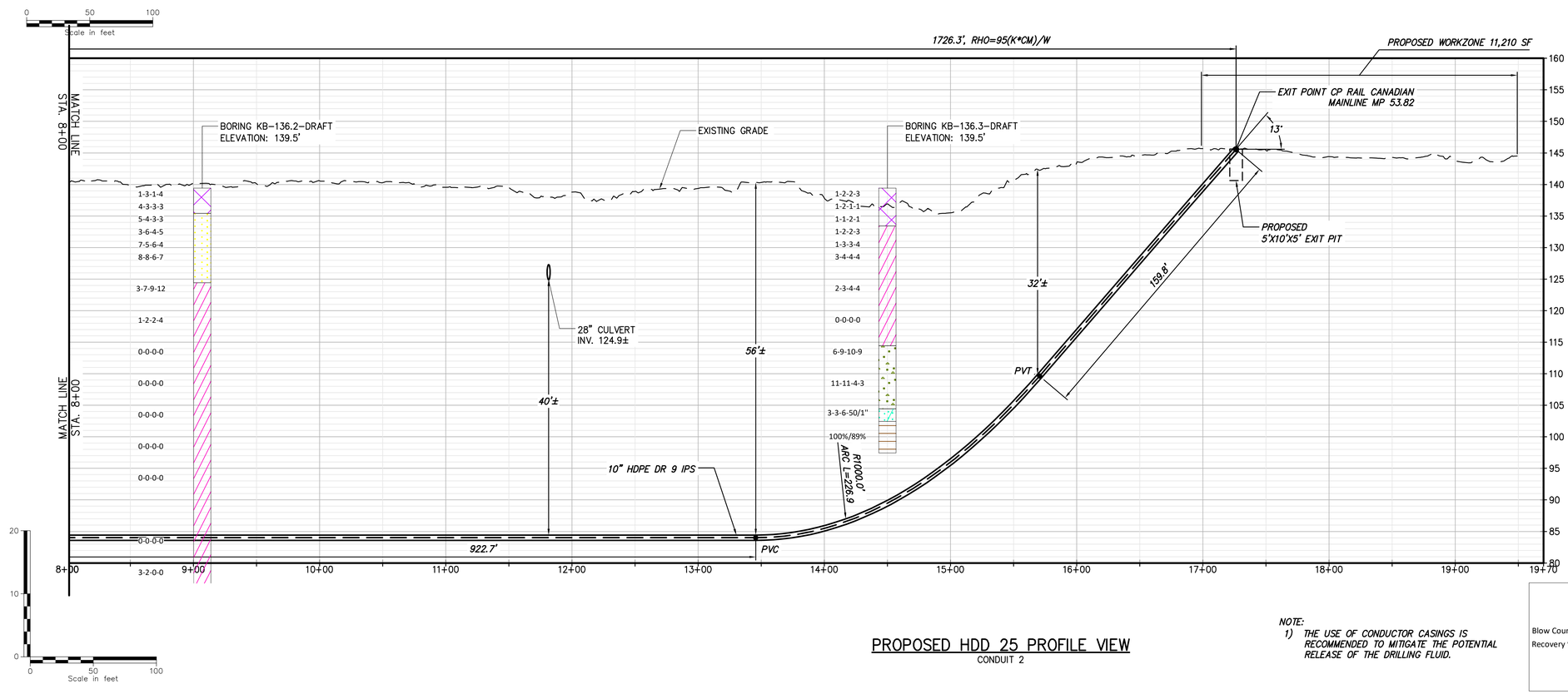


PROPOSED HDD 25 PLAN VIEW

CONDUIT 2



PROPOSED HDD 25 PROFILE VIEW

CONDUIT 2

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

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 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
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
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Void	Void
Water	Water
Weathered Rock	Undefined
Water Table	Water Table during drilling
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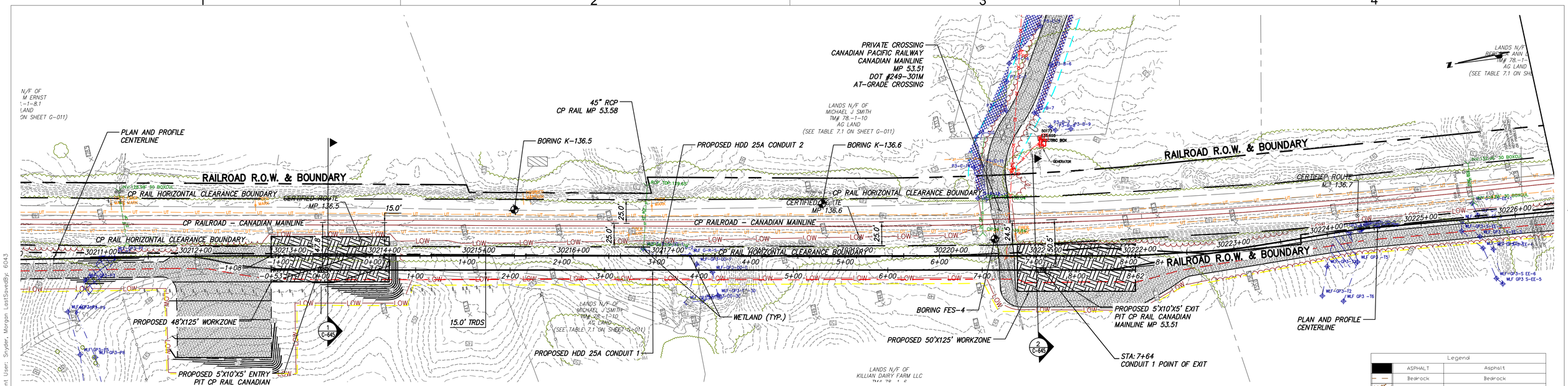
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
0	04/05/2023	FINAL EM&CP SUBMISSION	MCS	JEO

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
PLAN AND PROFILE - HDD 25, CONDUIT 2

KIEWIT PROJECT NO. 21162
CHA PROJECT NO. 066076
DRAWING NO. **C-304A.1**

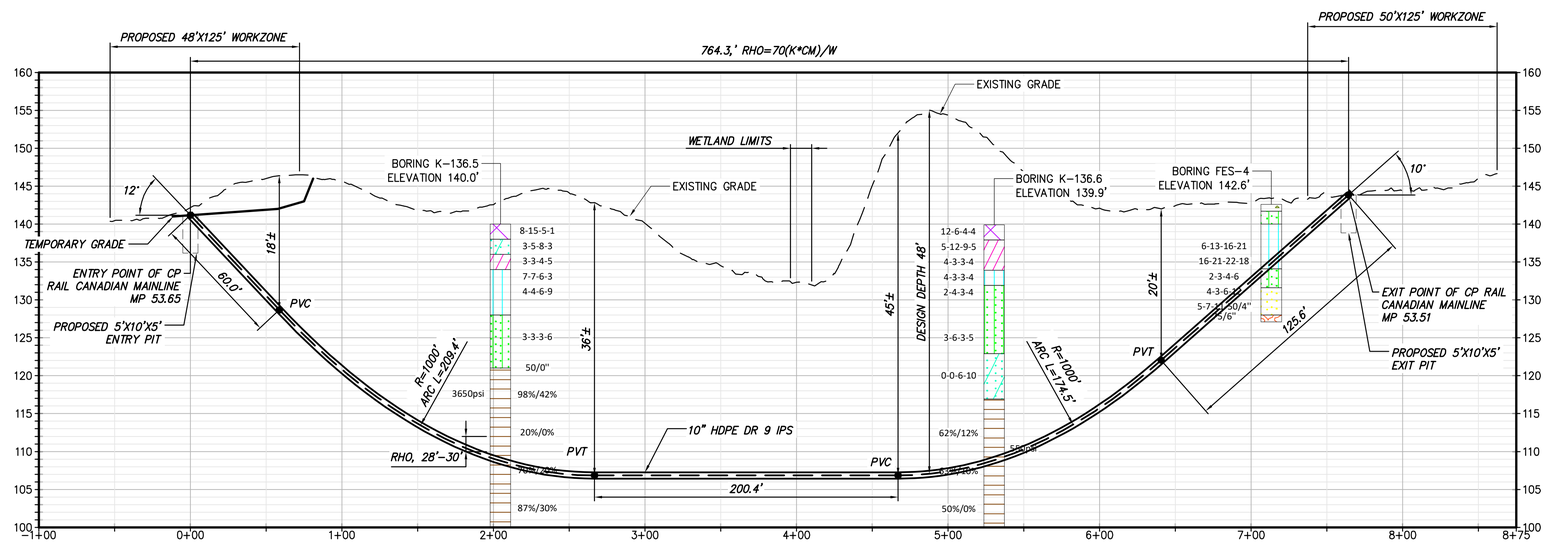
DRAWN BY: CJL | DESIGNED BY: CJL | APPROVED BY: JEO | SCALE AS NOTED | DATE 04/05/2023 | REV. NO. X | SH.NO.

File: V:\PROJECTS\ANY\K6\066076.000\09_DESIGN\DRAWINGS\01_SHEETS\DESIGN PACKAGE 3\066076_P3_C-304-C-304A.DWG Saved: 4/4/2023 9:41:55 AM Plotted: 4/4/2023 3:22:10 PM Current User: Snyder, Morgan LastSavedBy: 8275



PROPOSED HDD 25A PLAN VIEW

CONDUIT 1



PROPOSED HDD 25A 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
	CONCRETE	Concrete
	Fill	Fill
	GC	CLAYEY GRAVEL
	GC-GM	SILTY CLAYEY GRAVEL
	GM	SILTY GRAVEL
	GP	Poorly Graded GRAVEL
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	GW-GC	Well Graded GRAVEL with CLAY
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	ML	SILT
	OH	ORGANIC Fat CLAY
	OL	ORGANIC Lean CLAY
	OL/OH	ORGANIC SOIL
	PT	PEAT
	Rock	Rock
	Sandstone	Sandstone
	SC	CLAYEY SAND
	SC-SM	SILT, CLAYEY SAND
	SHALE	Shale
	SILTSTONE	Siltstone
	SM	SILTY SAND
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	SW	Well graded SAND
	SW-SC	Well Graded SAND with CLAY
	SW-SM	Well Graded SAND with SILT
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	USGS 702	Quartzite
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	USGS 708	Gneiss
	USGS 718	Granite 1
	Void	Void
	Water	Water
	Weathered Rock	Undefined
▼	Water Table	Water Table during drilling
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BORING LOG STRIP LEGEND

B101

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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 25A, CONDUIT 1

KIEWIT PROJECT NO. 21162

CHA PROJECT NO. 066076

DRAWING NO. **C-305**

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

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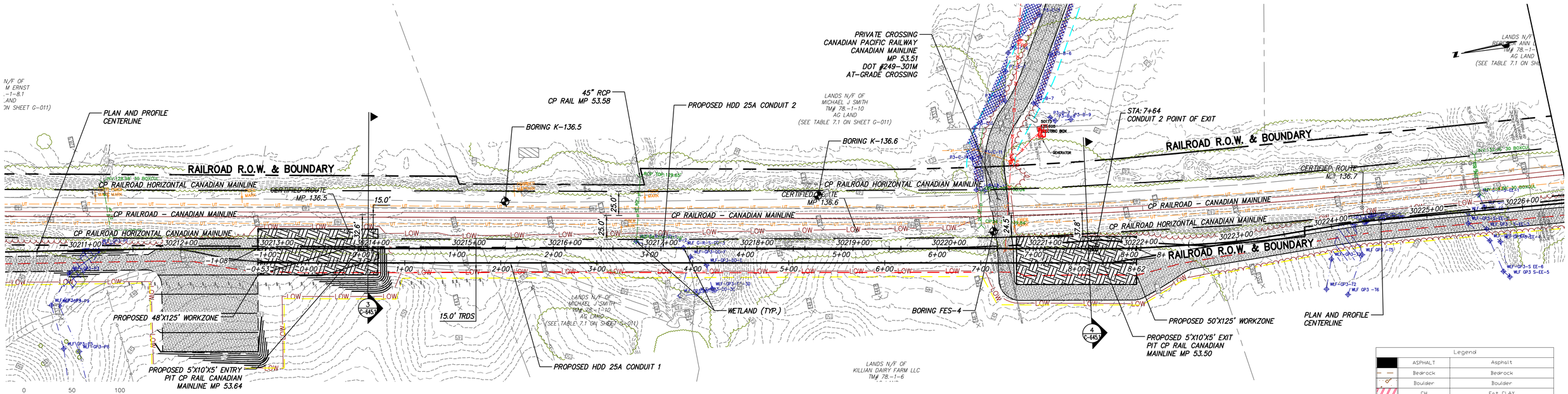
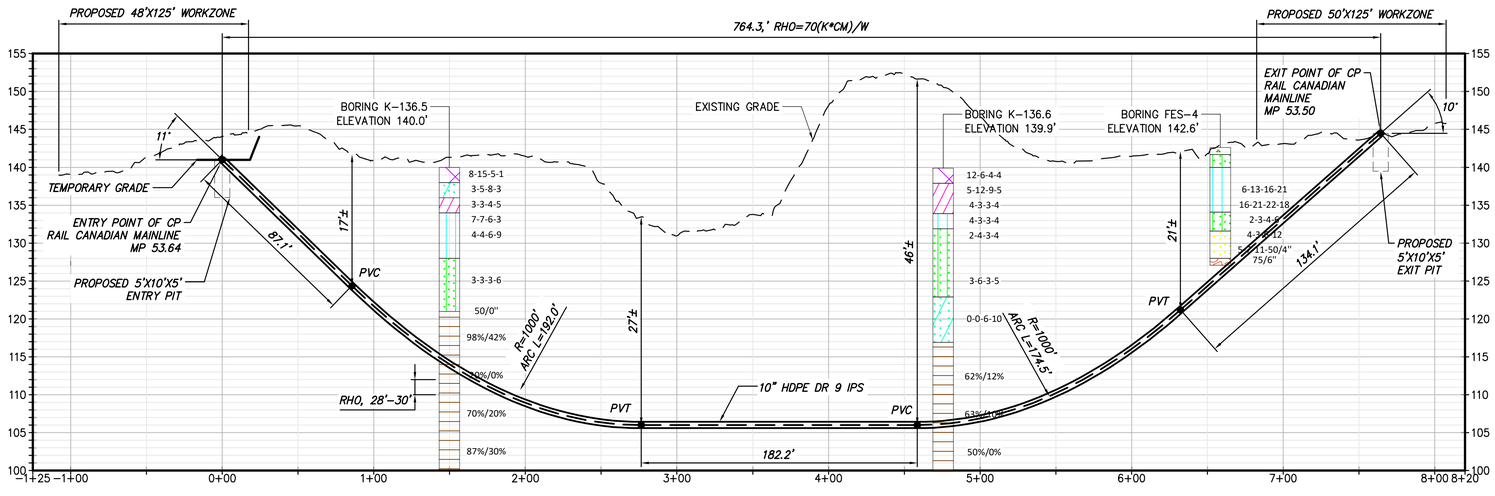


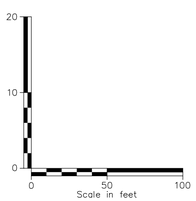
PROPOSED HDD 25A PLAN VIEW

CONDUIT 2



PROPOSED HDD 25A PROFILE

CONDUIT 2



Legend		
	ASPHALT	Asphalt
	Bedrock	Bedrock
	Boulder	Boulder
	CH	Fat CLAY
	CH-MH	SILTY Fat CLAY
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	CL-ML	SILTY CLAY
	CONCRETE	Concrete
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CHAMPLAIN HUDSON POWER EXPRESS

SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON

PLAN AND PROFILE - HDD 25A, CONDUIT 2

KIEWIT PROJECT NO. 21162

CHA PROJECT NO. 066076

DRAWING NO. **C-305A**

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

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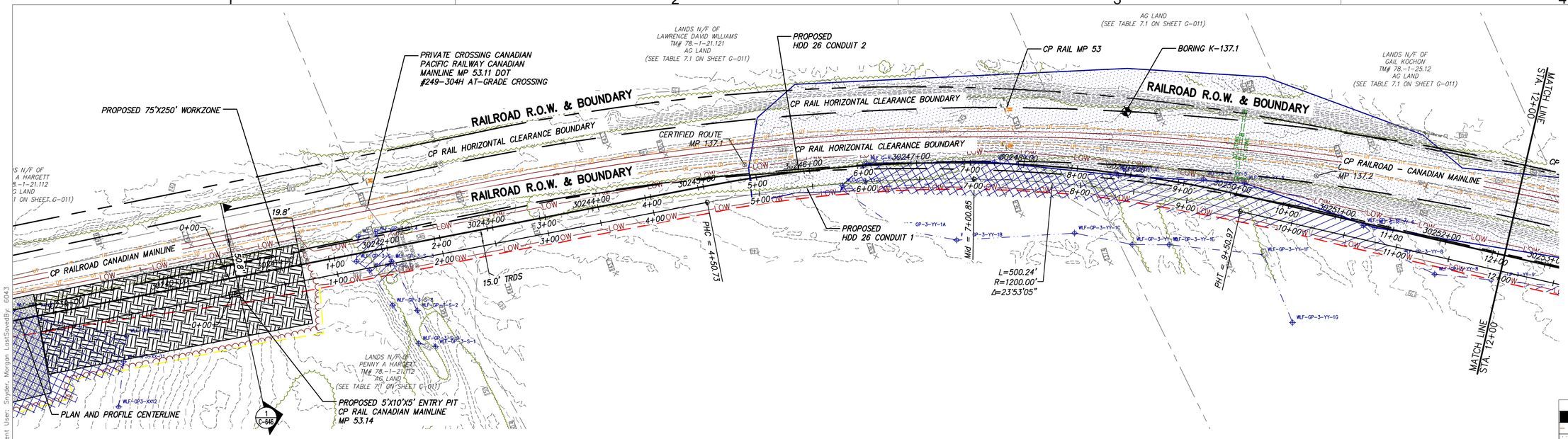
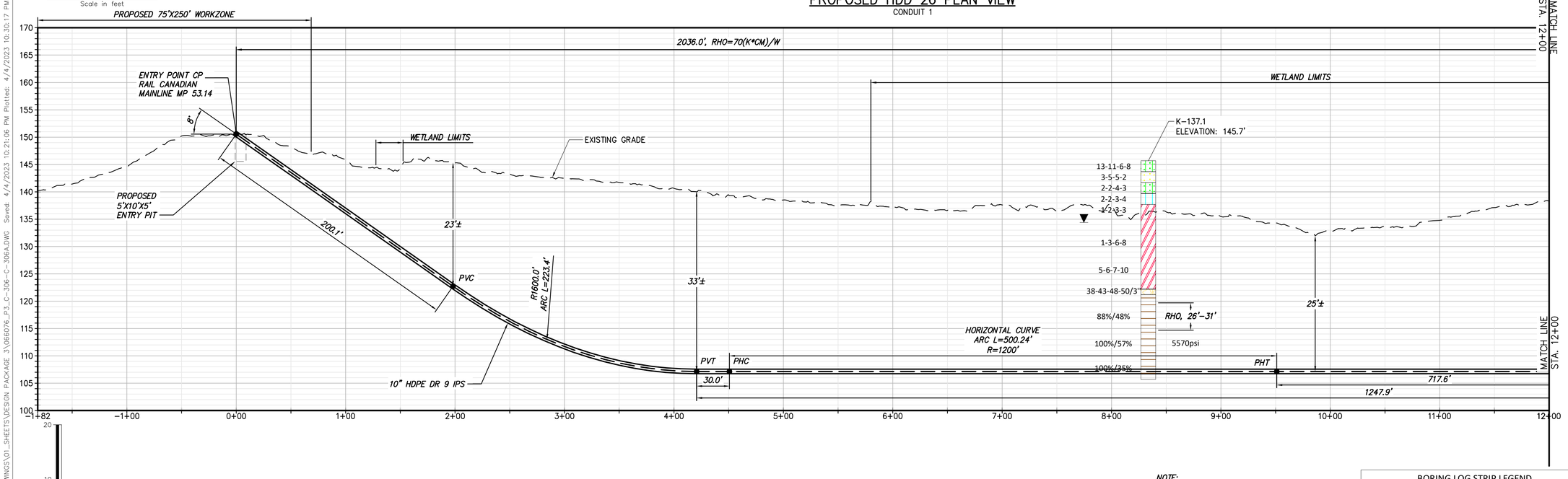
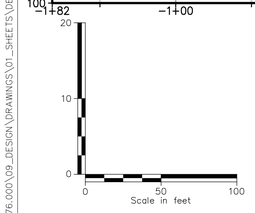


Scale in feet: 0 50 100

PROPOSED HDD 26 PLAN VIEW

CONDUIT 1





PROPOSED HDD 26 PROFILE

CONDUIT 1

NOTE:
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BORING LOG STRIP LEGEND

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Legend

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	Bedrock	Bedrock
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CHAMPLAIN HUDSON POWER EXPRESS

SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON

PLAN AND PROFILE - HDD 26, CONDUIT 1

KIEWIT PROJECT NO. 21162

CHA PROJECT NO. 066076

DRAWING NO. **C-306**

DRAWN BY: CJL DESIGNED BY: CJL APPROVED BY: JEO

SCALE AS NOTED DATE 04/05/2023

REV. NO. X SH.NO.

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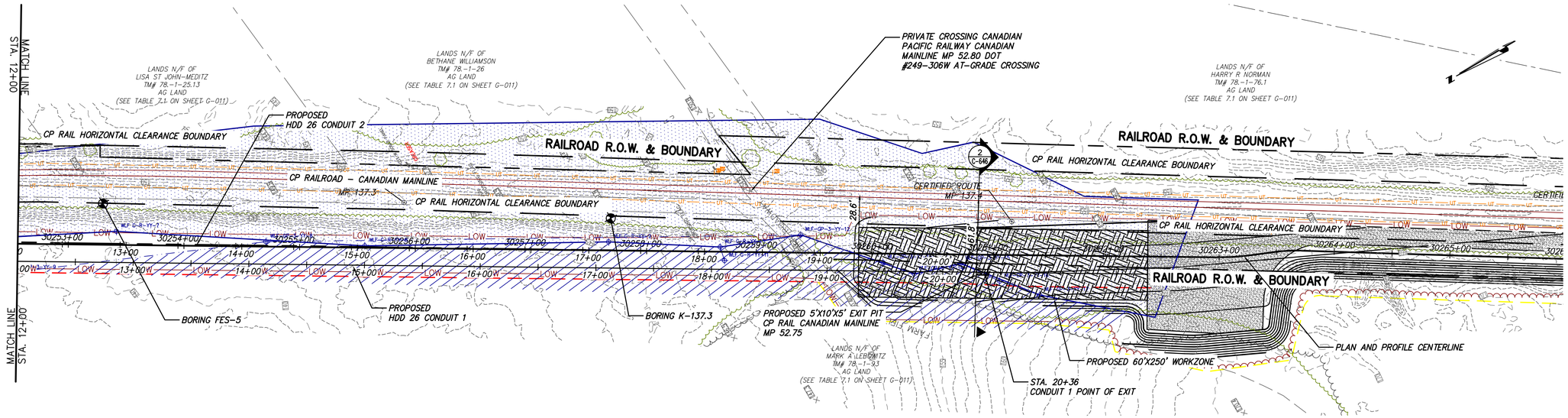

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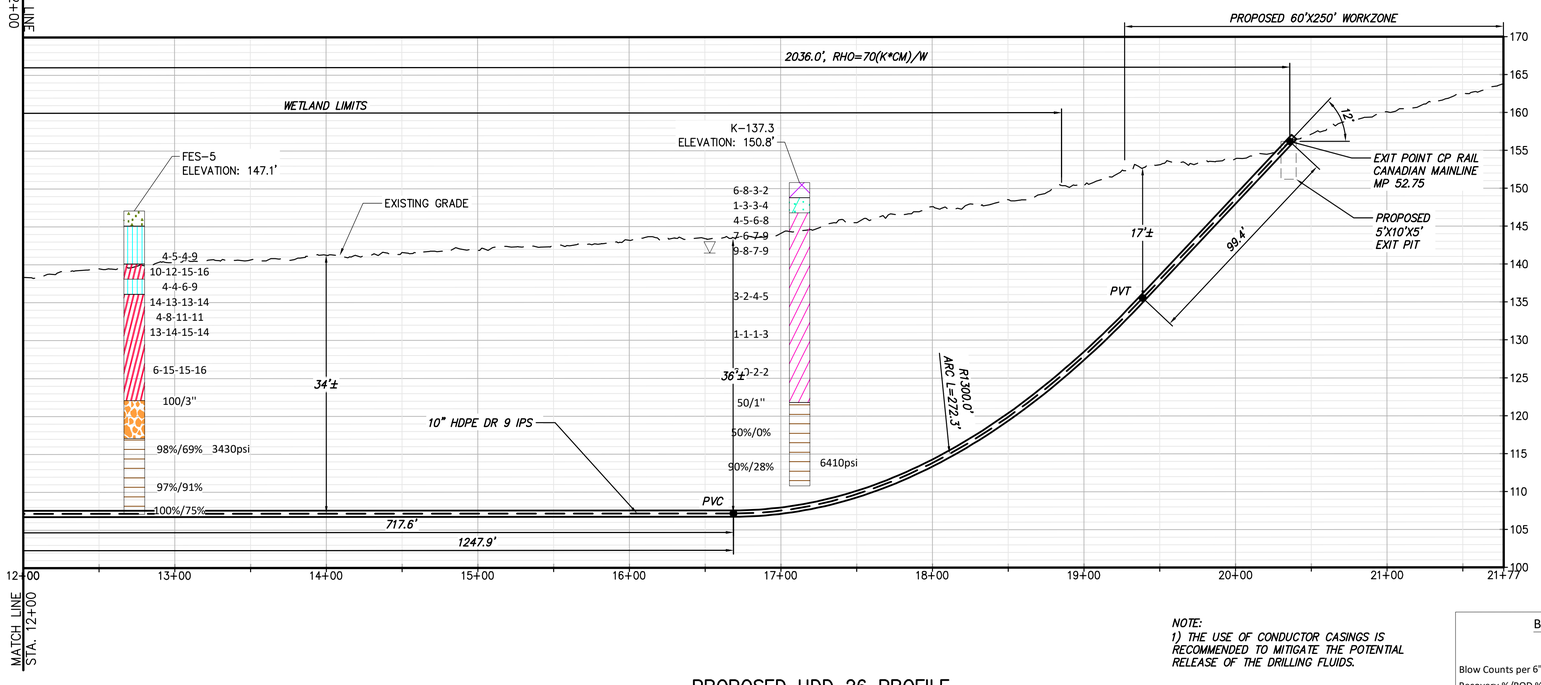
Scale in feet

PROPOSED HDD 26 PLAN VIEW

CONDUIT 1



PROPOSED HDD 26 PROFILE

CONDUIT 1

0 50 100
Scale in feet

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CHAMPLAIN HUDSON POWER EXPRESS

SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON

PLAN AND PROFILE - HDD 26, CONDUIT 1

KIEWIT PROJECT NO. 21162
CHA PROJECT NO. 066076
DRAWING NO. **C-306.1**

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

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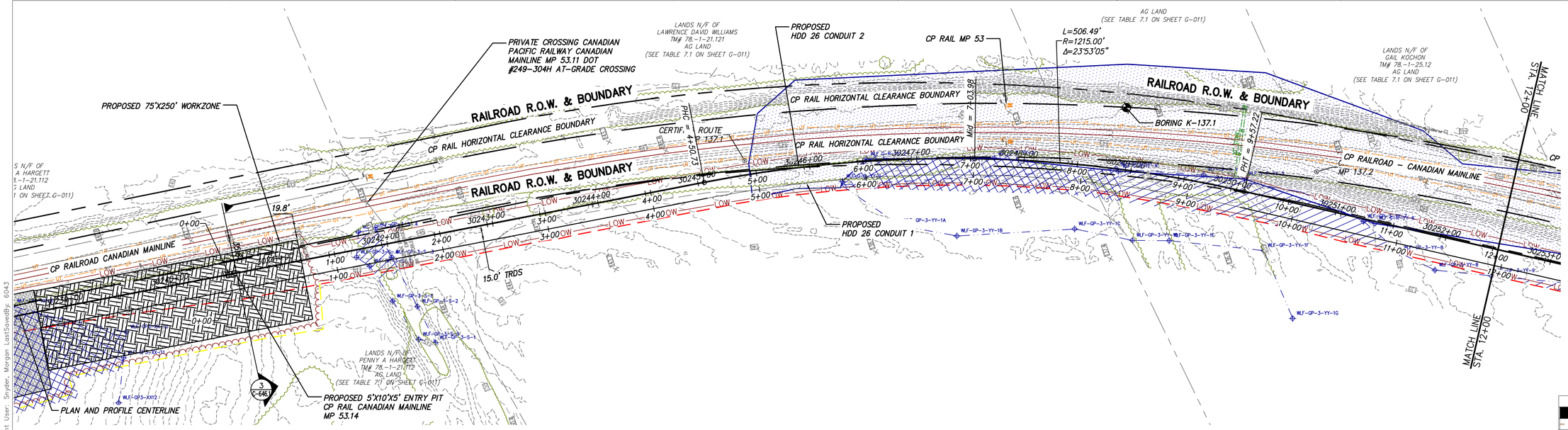
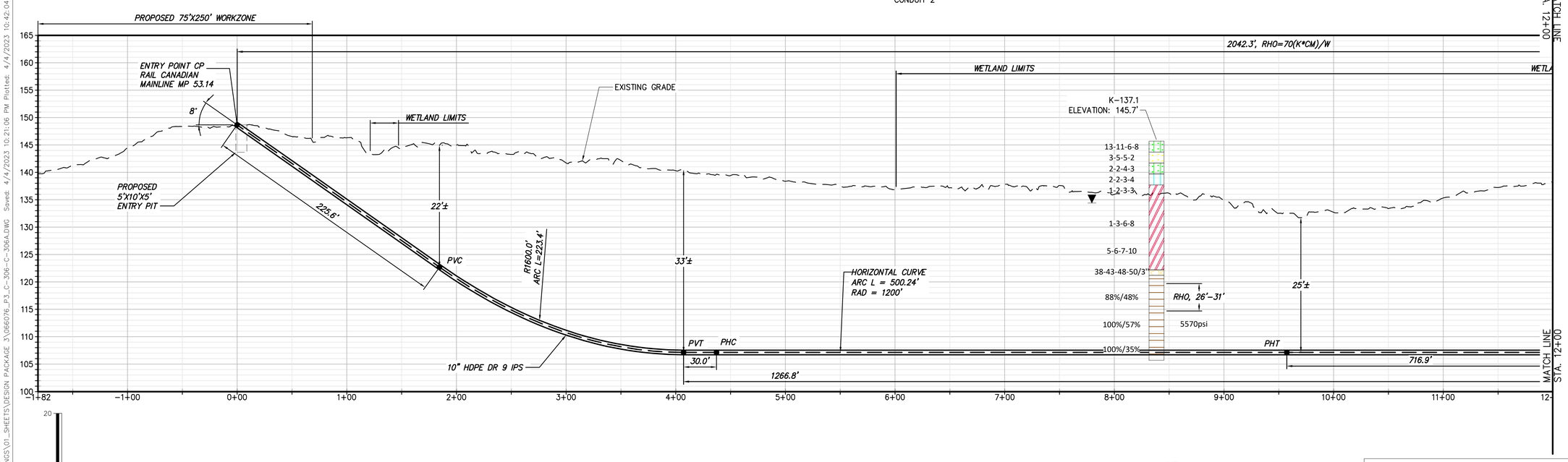
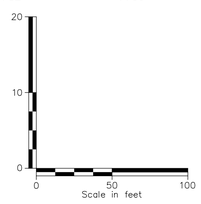


PROPOSED HDD 26 PLAN VIEW

CONDUIT 2





PROPOSED HDD 26 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 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
	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
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	Water	Water
	Weathered Rock	Undefined
▼	Water Table	Water Table during drilling
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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 26, CONDUIT 2

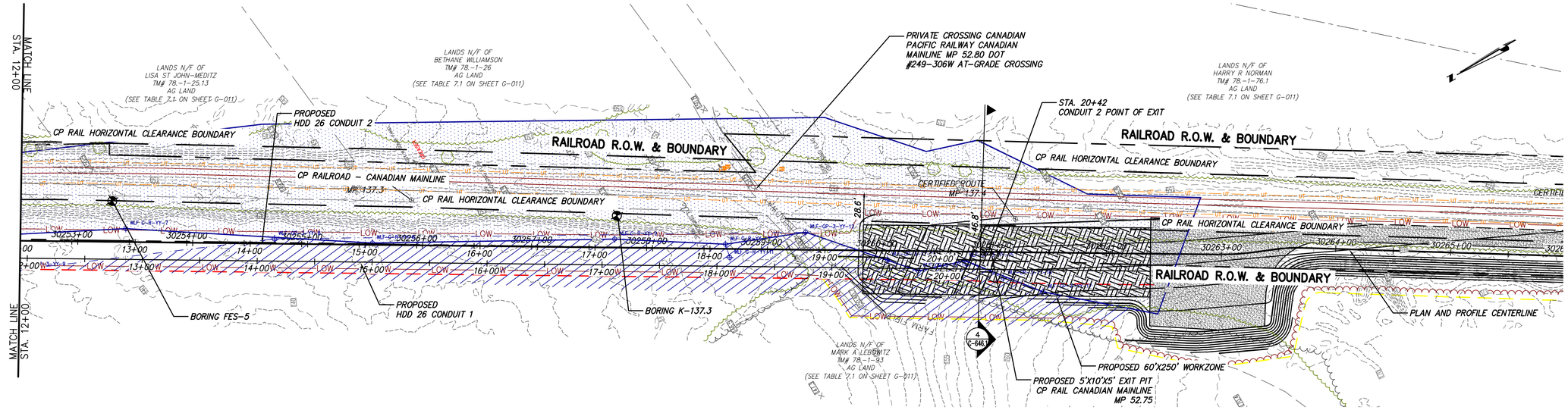
KIEWIT PROJECT NO. 21162

CHA PROJECT NO. 066076

DRAWING NO. **C-306A**

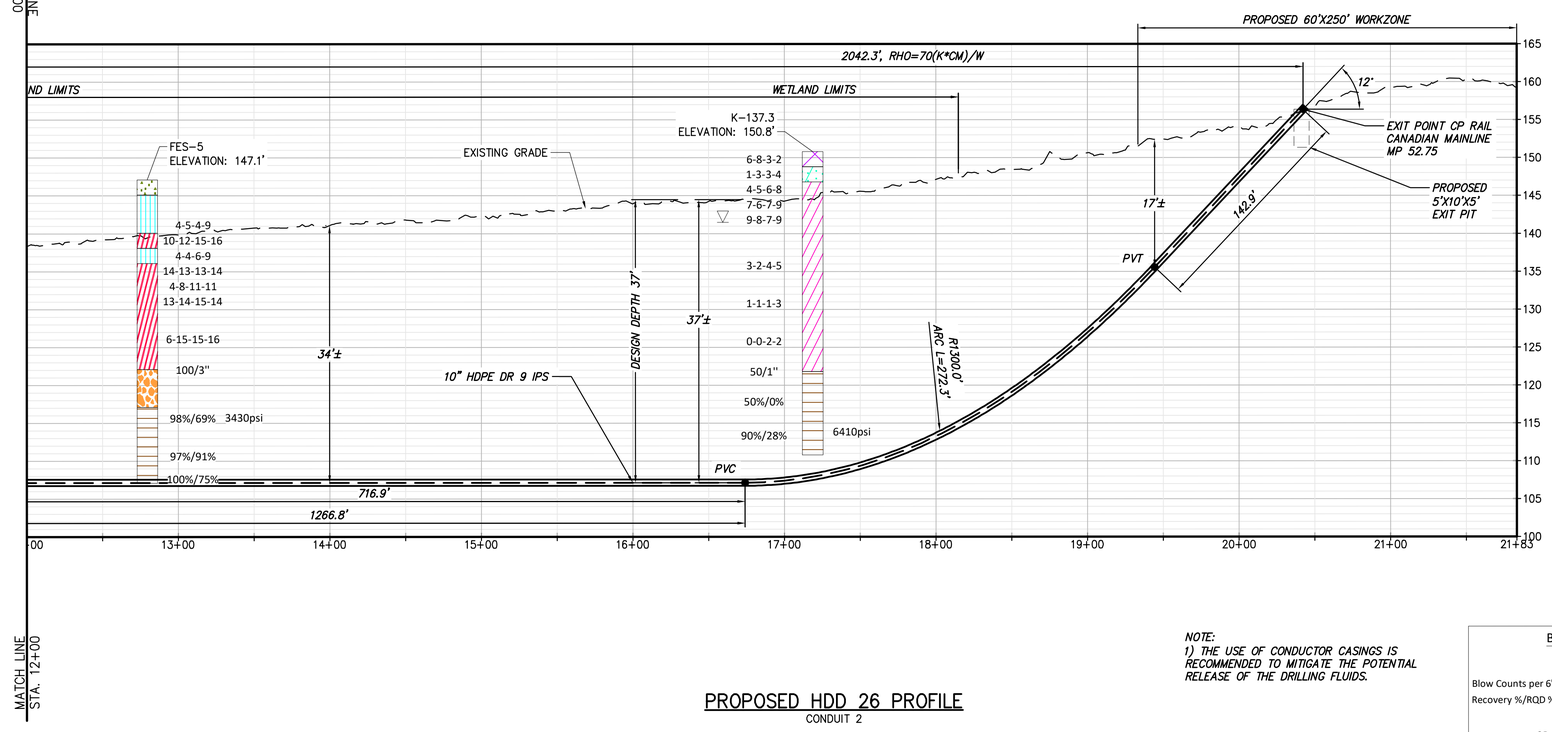
DRAWN BY: CJL | DESIGNED BY: CJL | APPROVED BY: JEO | SCALE AS NOTED | REV. NO. X | DATE 04/05/2023 | SH.NO.

File: V:\PROJECTS\ANY\K6\066076.000\09_DESIGN\DRAWINGS\01_SHEETS\DESIGN PACKAGE 3\066076_P3_C-306-C-306A.DWG Saved: 4/4/2023 10:21:06 PM Plotted: 4/4/2023 10:42:04 PM Current User: Snyder, Morgan LastSavedBy: 6043



PROPOSED HDD 26 PLAN VIEW

CONDUIT 2



PROPOSED HDD 26 PROFILE

CONDUIT 2

NOTE:
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BORING LOG STRIP LEGEND

B101

Blow Counts per 6" = 10-10-10

Recovery %/RQD % = 95%/90%

11000psi =UCS

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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 26, CONDUIT 2

KIEWIT PROJECT NO. 21162

CHA PROJECT NO. 066076

DRAWING NO. **C-306A.1**

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

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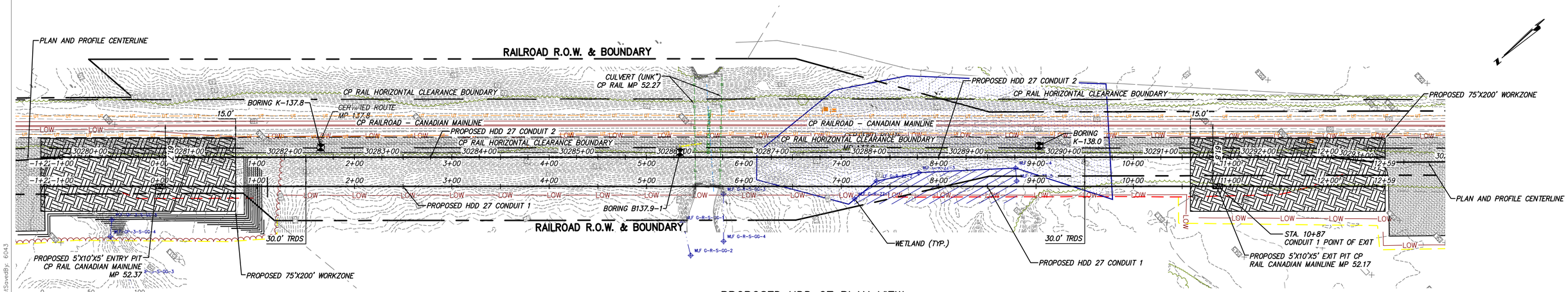
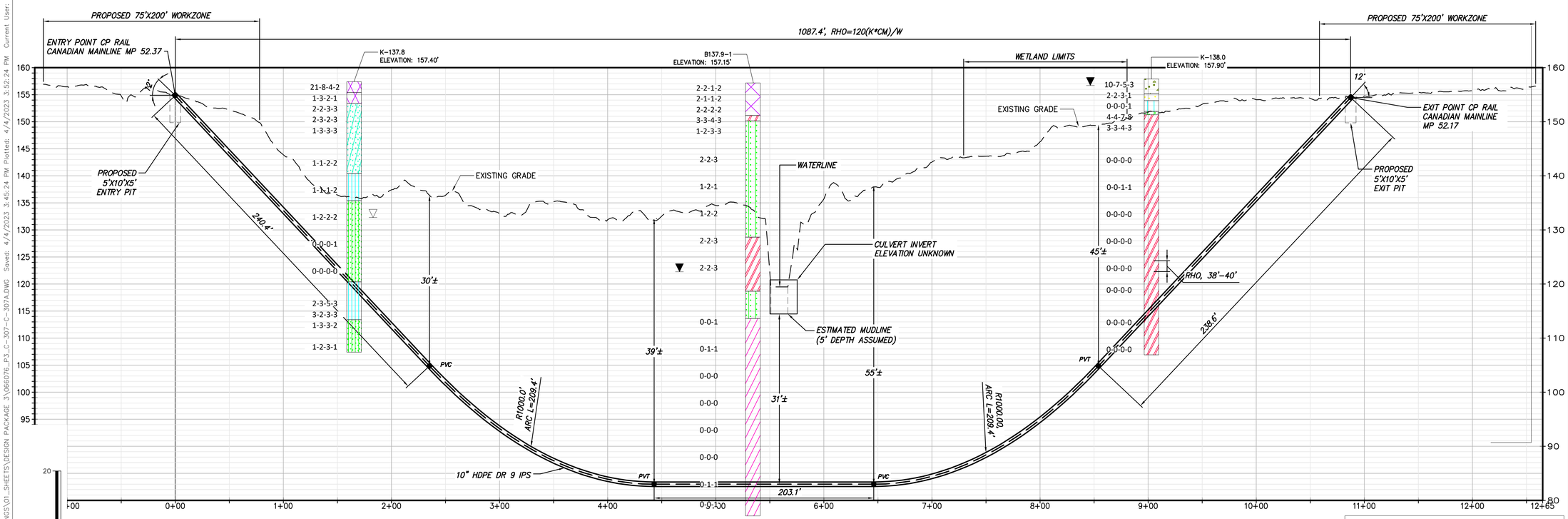


PROPOSED HDD 27 PLAN VIEW

CONDUIT 1



PROPOSED HDD 27 PROFILE

CONDUIT 1

NOTE:
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BORING LOG STRIP LEGEND

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CHAMPLAIN HUDSON POWER EXPRESS

SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON

PLAN AND PROFILE - HDD 27, CONDUIT 1

KIEWIT PROJECT NO. 21162

CHA PROJECT NO. 066076

DRAWING NO. **C-307**

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

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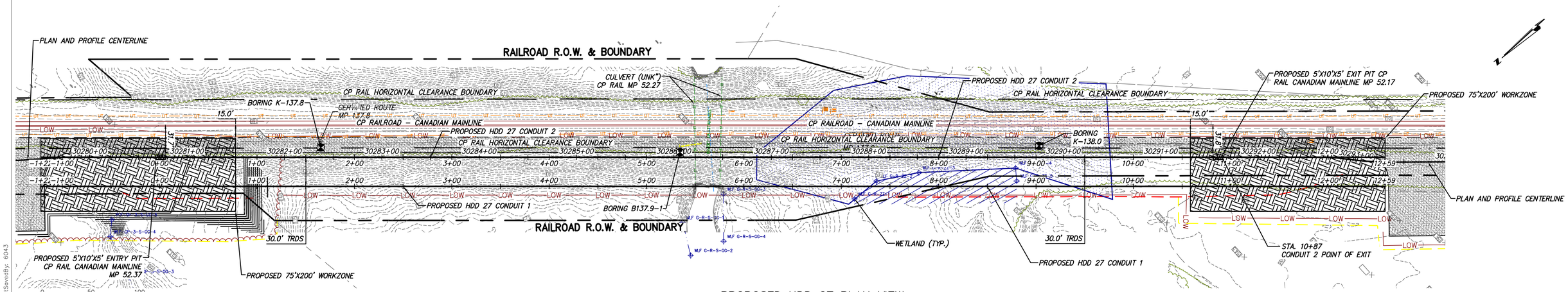
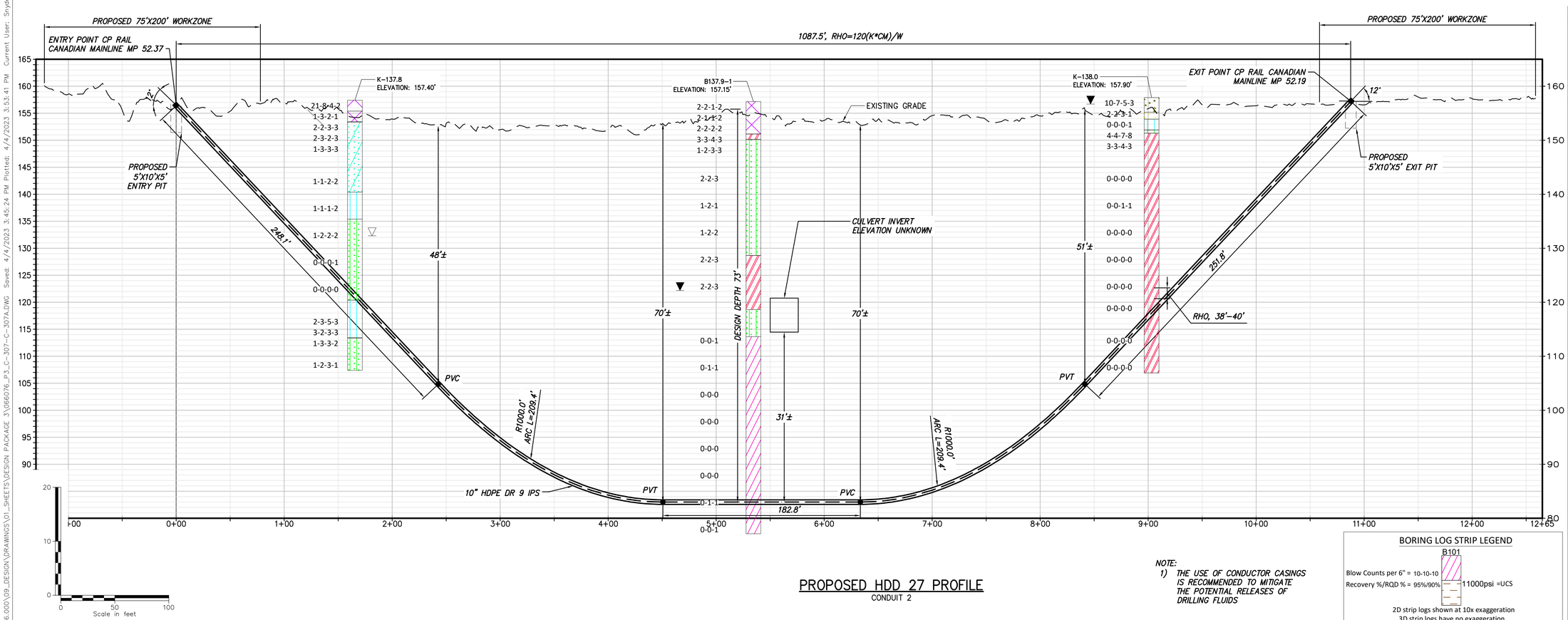


PROPOSED HDD 27 PLAN VIEW

CONDUIT 2



PROPOSED HDD 27 PROFILE

CONDUIT 2

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

BORING LOG STRIP LEGEND

B101

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3D strip logs have no exaggeration

Legend

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Bedrock	Bedrock
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CHAMPLAIN HUDSON POWER EXPRESS

SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON

PLAN AND PROFILE - HDD 27, CONDUIT 2

KIEWIT PROJECT NO. 21162

CHA PROJECT NO. 066076

DRAWING NO. **C-307A**

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

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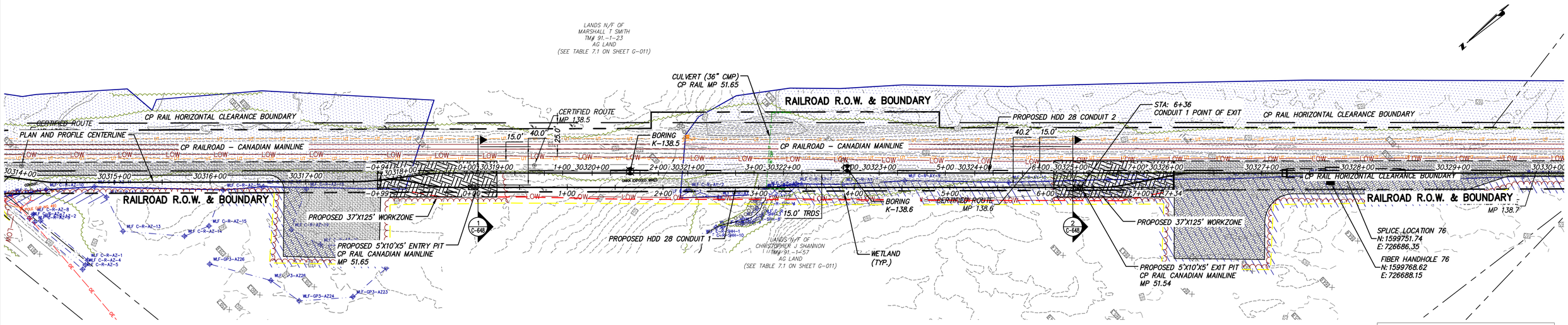
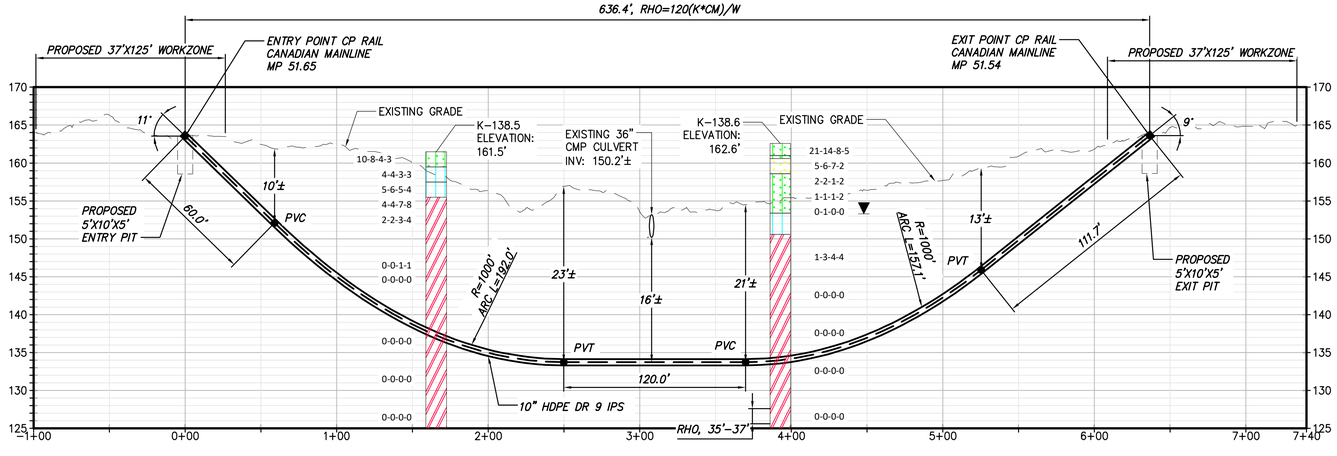


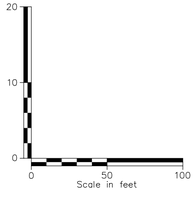
PROPOSED HDD 28 PLAN VIEW

CONDUIT 1



PROPOSED HDD 28 PROFILE

CONDUIT 1



NOTE:
1) IT IS EXPECTED THAT A CONDUCTOR CASING AT THE EXIT END OF THE BORE WILL BE NEEDED TO REDUCE THE RISK OF INADVERTENT RETURNS IN THAT AREA.

BORING LOG STRIP LEGEND

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CHAMPLAIN HUDSON POWER EXPRESS

SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON

PLAN AND PROFILE - HDD 28, CONDUIT 1

DRAWN BY: CKZ DESIGNED BY: CKZ APPROVED BY: JEO

SCALE AS NOTED REV. NO. X

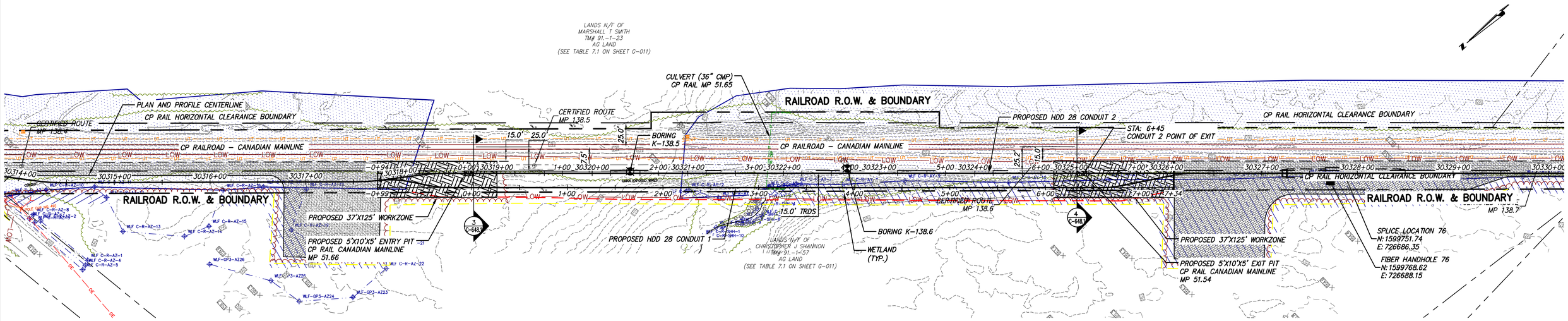
KIEWIT PROJECT NO. 21162

CHA PROJECT NO. 066076

DRAWING NO. **C-308**

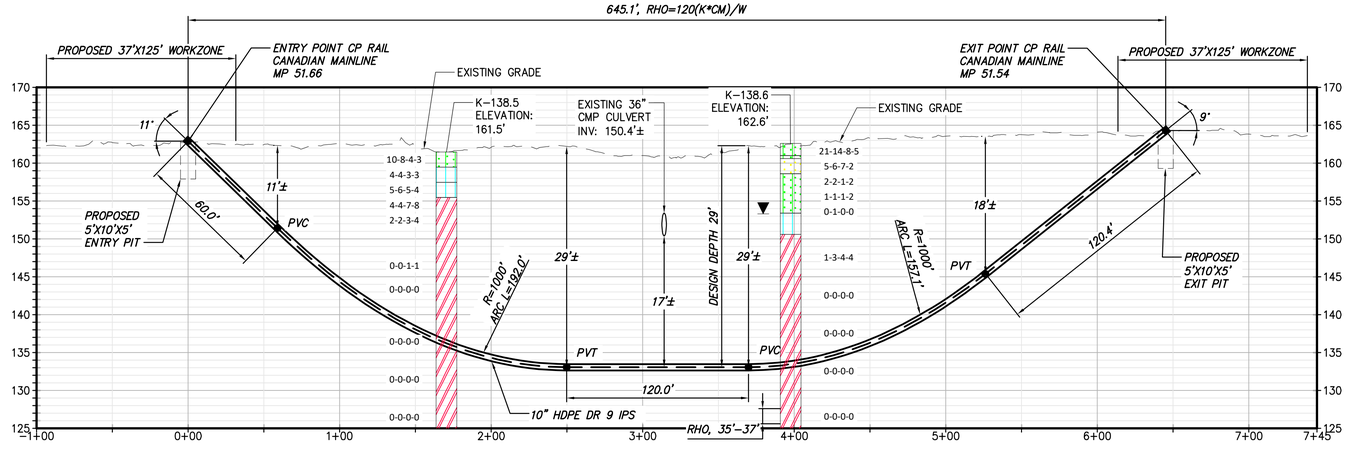
DATE 04/05/2023 SH.NO.

File: V:\PROJECTS\ANY\K6\066076.000\09_DESIGN\DRAWINGS\01_SHEETS\DESIGN PACKAGE 3\066076_P3_C-308-C-308A.DWG Saved: 4/3/2023 5:25:31 PM Plotted: 4/4/2023 3:20:53 PM Current User: Snyder, Morgan LastSavedBy: 8275



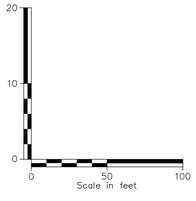
PROPOSED HDD 28 PLAN VIEW

CONDUIT 2



PROPOSED HDD 28 PROFILE

CONDUIT 2



NOTE:
1) IT IS EXPECTED THAT A CONDUCTOR CASING AT THE EXIT END OF THE BORE WILL BE NEEDED TO REDUCE THE RISK OF INADVERTENT RETURNS IN THAT AREA.

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
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GW-GC	Well Graded GRAVEL with CLAY
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Limestone	Limestone
MH	Elastic SILT
ML	SILT
OH	ORGANIC Fat CLAY
OL	ORGANIC Lean CLAY
OL/OH	ORGANIC SOIL
PT	PEAT
Rock	Rock
Sandstone	Sandstone
SC	CLAYEY SAND
SC-SM	SILT, CLAYEY SAND
SHALE	Shale
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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 28, CONDUIT 2

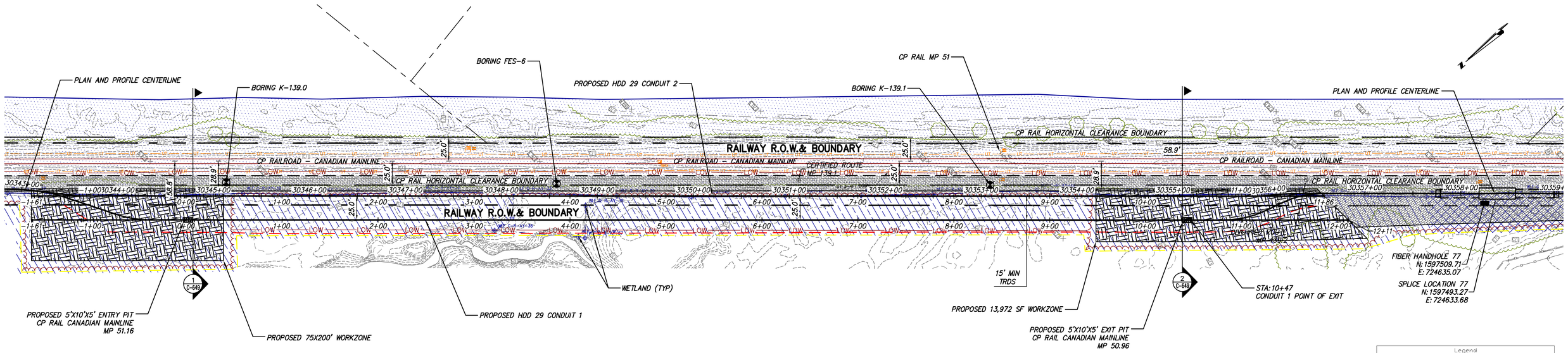
KIEWIT PROJECT NO. 21162

CHA PROJECT NO. 066076

DRAWING NO. **C-308A**

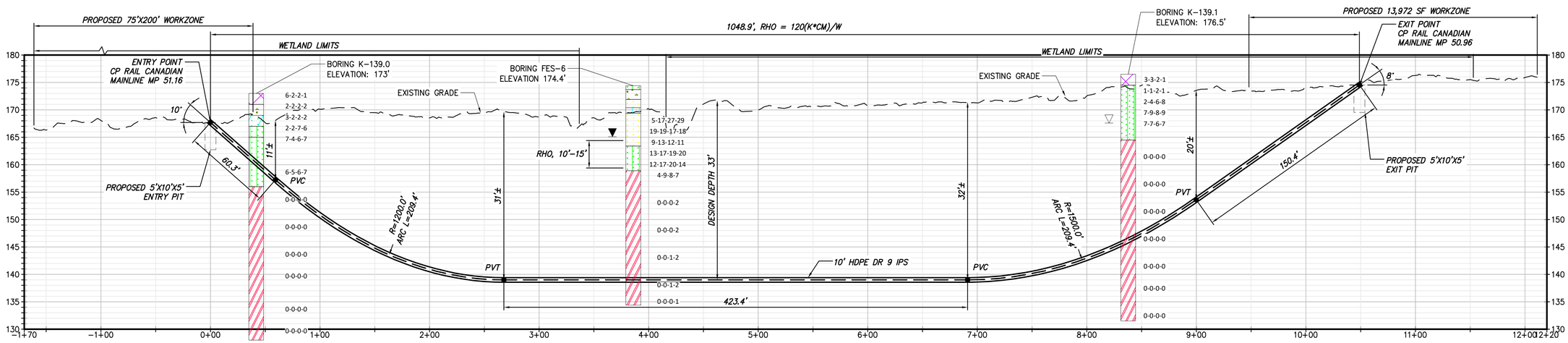
DRAWN BY: CKZ DESIGNED BY: CKZ APPROVED BY: JEO SCALE AS NOTED DATE 04/05/2023 REV. NO. X SH.NO.

File: V:\PROJECTS\ANY\K6\066076.000\09_DESIGN\DRAWINGS\01_SHEETS\DESIGN PACKAGE 3\066076_P3_C-308-C-308A.DWG Saved: 4/3/2023 5:25:31 PM Plotted: 4/4/2023 3:22:27 PM Current User: Snyder, Morgan LastSavedBy: 8275



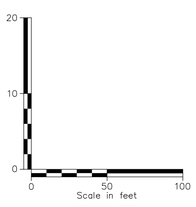
PROPOSED HDD 29 PLAN VIEW

CONDUIT 1



PROPOSED HDD 29 PROFILE

CONDUIT 1



NOTE:
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BORING LOG STRIP LEGEND

B101

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11000psi =UCS

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3D strip logs have no exaggeration

Legend

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	Bedrock	Bedrock
	Boulder	Boulder
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	Fill	Fill
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	GC-GM	SILTY CLAYEY GRAVEL
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CHAMPLAIN HUDSON POWER EXPRESS

SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON

PLAN AND PROFILE - HDD 29, CONDUIT 1

KIEWIT PROJECT NO. 21162

CHA PROJECT NO. 066076

DRAWING NO. **C-309**

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

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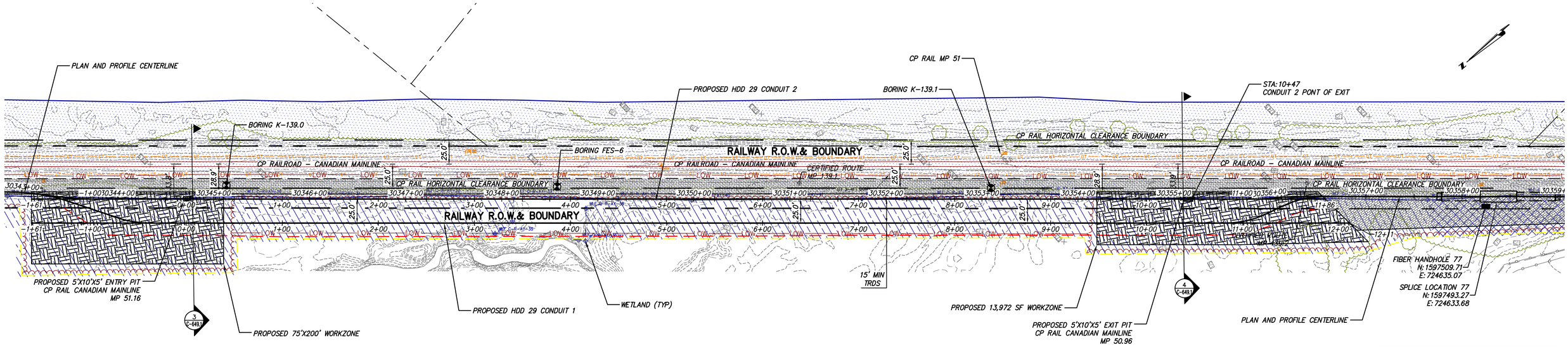
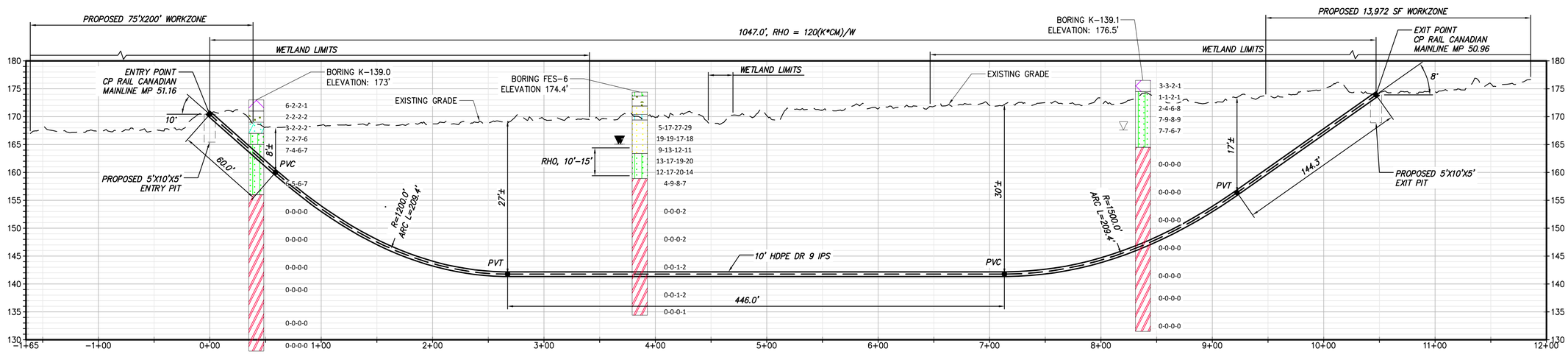


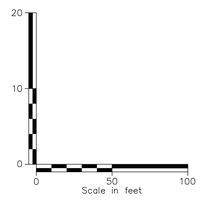
PROPOSED HDD 29 PLAN VIEW

CONDUIT 2



PROPOSED HDD 29 PROFILE

CONDUIT 2



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CHAMPLAIN HUDSON POWER EXPRESS

SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON

PLAN AND PROFILE - HDD 29, CONDUIT 2

KIEWIT PROJECT NO. 21162

CHA PROJECT NO. 066076

DRAWING NO. **C-309A**

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

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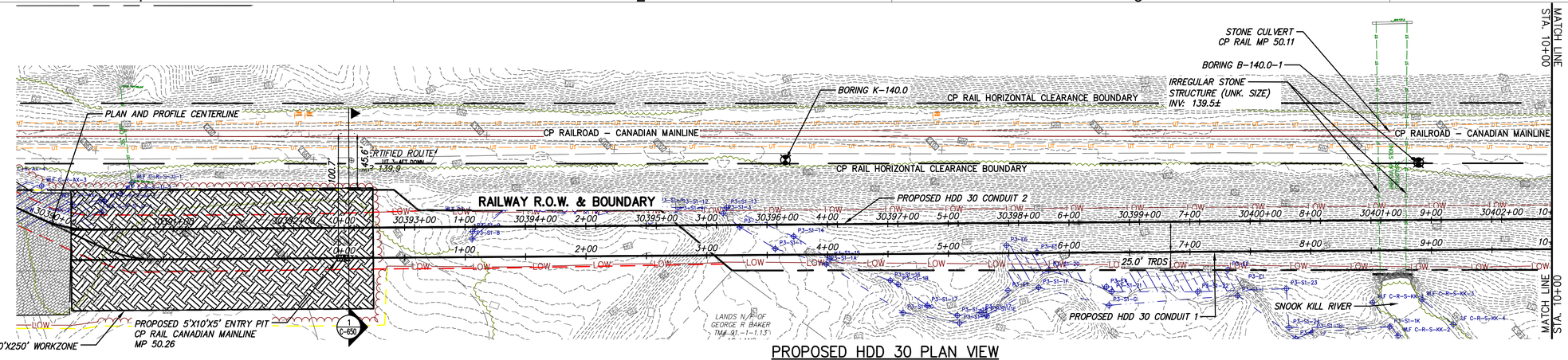

PROPOSED HDD 30 PLAN VIEW

CONDUIT 1

Scale in feet

NOTE:
1) EACH HDD CONSISTS OF A PAIR OF (2) HVDC ELECTRICAL TRANSMISSION CABLES HOUSED IN INDIVIDUAL 12"DIAMETER CASINGS/CONDUITS, HDPE DR7, AND A THIRD 3"DIAMETER CASING/CONDUIT, HDPE DR7, WILL BE BUNDLED IN PULLBACK WITH ONE OF THE 12"CASINGS/CONDUITS FOR A TELECOMMUNICATION LINE.
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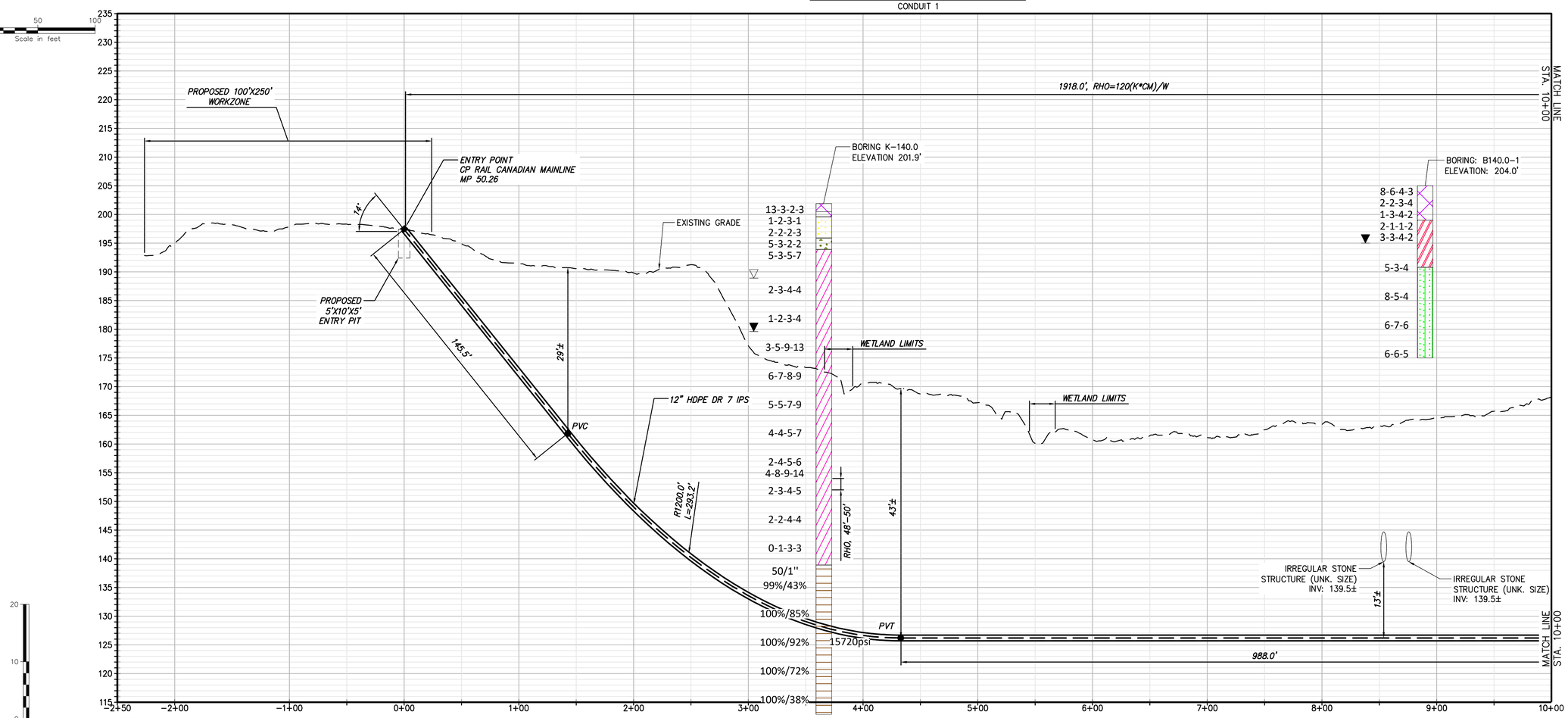

PROPOSED HDD 30 PROFILE

CONDUIT 1

BORING LOG STRIP LEGEND

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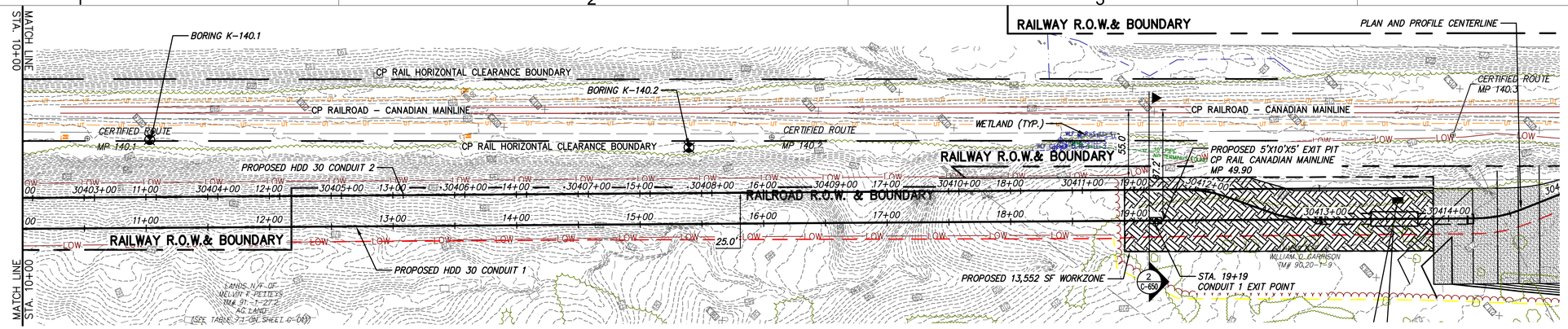
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
PLAN AND PROFILE - HDD 30, CONDUIT 1

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

KIEWIT PROJECT NO. 21162
CHA PROJECT NO. 066076
DRAWING NO. **C-310**
DATE 04/05/2023
SH.NO.

File: V:\PROJECTS\ANY\K6\066076.000\09_DESIGN\DRAWINGS\01_SHEETS\DESIGN PACKAGE 3\066076_P3_C-310-C-310A.DWG Saved: 4/4/2023 10:06:45 AM Plotted: 4/4/2023 4:04:32 PM Current User: Snyder, Morgan LastSavedBy: 6043



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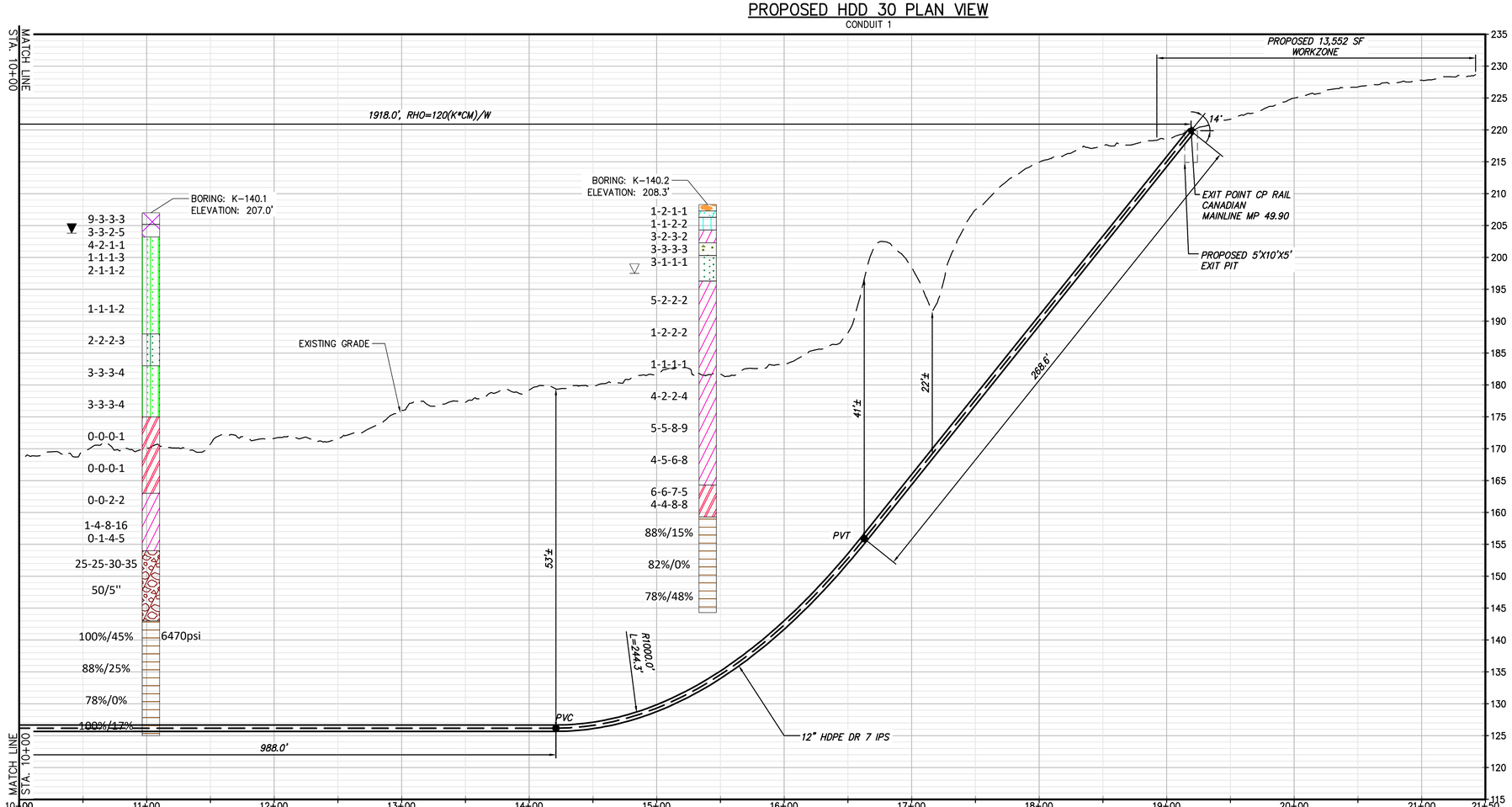
0 50 100
Scale in feet

PROPOSED HDD 30 PLAN VIEW
CONDUIT 1



PROPOSED HDD 30 PROFILE
CONDUIT 1

0 10 20
0 50 100
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CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
PLAN AND PROFILE - HDD 30, CONDUIT 1

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

KIEWIT PROJECT NO. 21162
CHA PROJECT NO. 066076
DRAWING NO. **C-310.1**
DATE 04/05/2023
SH.NO.

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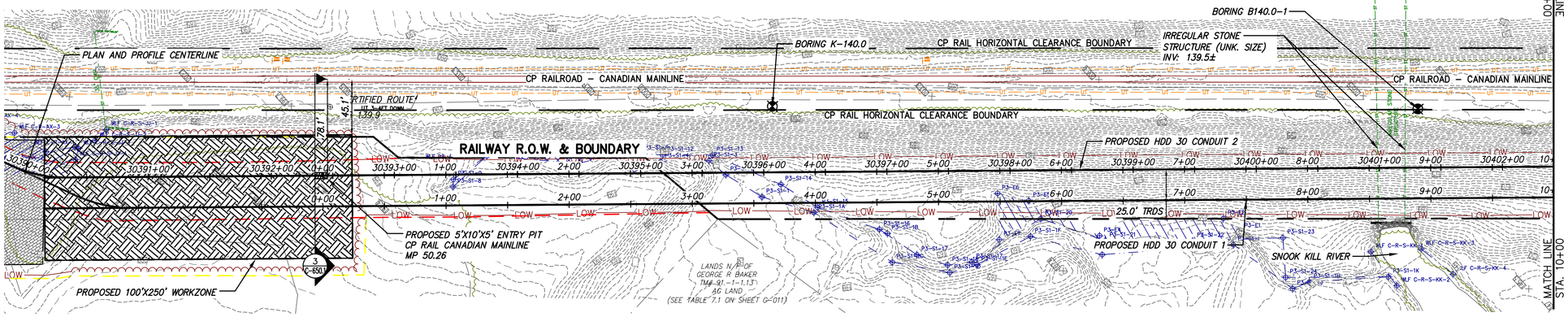
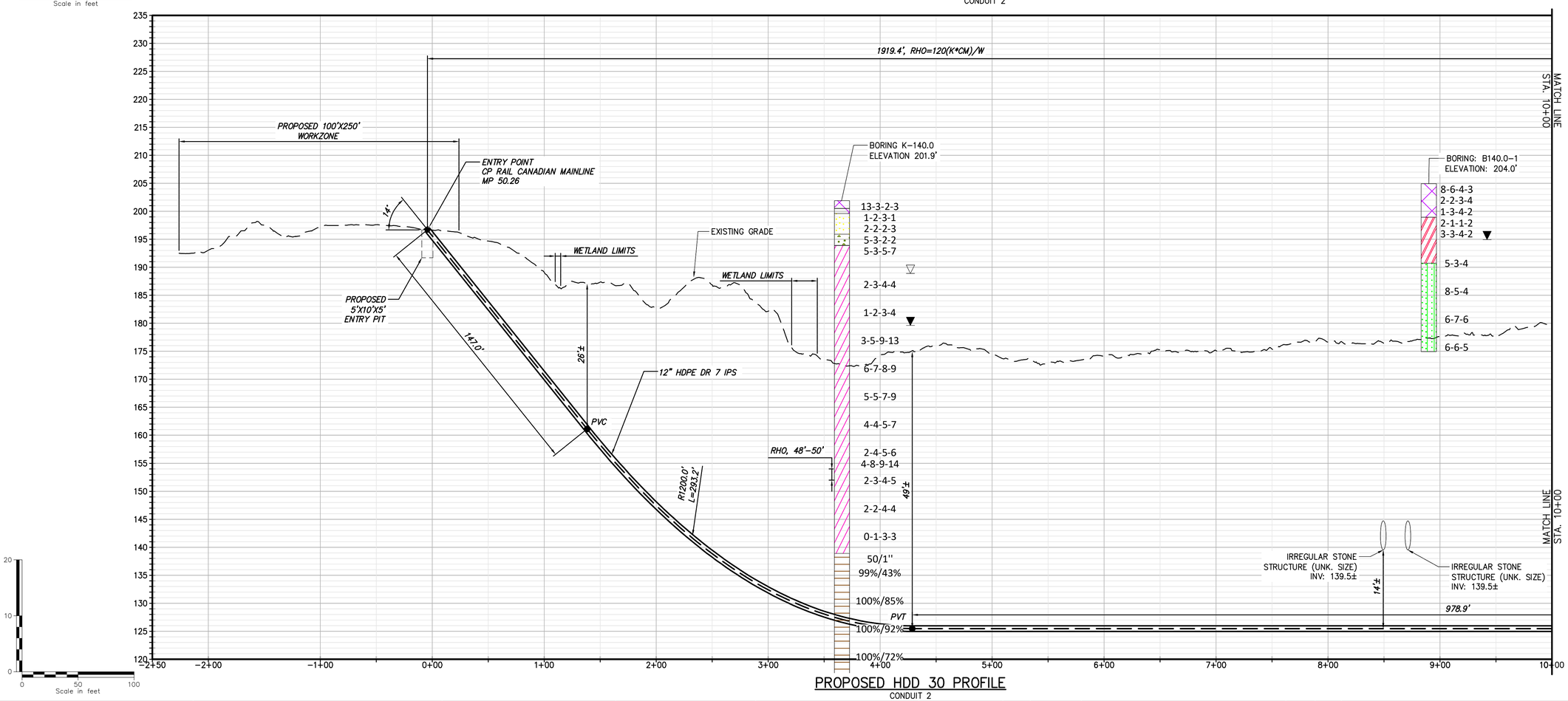


0 50 100
Scale in feet

PROPOSED HDD 30 PLAN VIEW
CONDUIT 2



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Scale in feet

PROPOSED HDD 30 PROFILE
CONDUIT 2

NOTE:
1) EACH HDD CONSISTS OF A PAIR OF (2) HVDC ELECTRICAL TRANSMISSION CABLES HOUSED IN INDIVIDUAL 12"DIAMETER CASINGS/CONDUITS, HDPE DR7, AND A THIRD 3"DIAMETER CASING/CONDUIT, HDPE DR7, WILL BE BUNDLED IN PULLBACK WITH ONE OF THE 12"CASINGS/CONDUITS FOR A TELECOMMUNICATION LINE.
2) 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 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
Topsoil	Topsoil
USGS 601	Gravel or Conglomerate 1
USGS 654	Subgraywacke
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USGS 705	Schist
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Kiewit

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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 30, CONDUIT 2

KIEWIT PROJECT NO. 21162
CHA PROJECT NO. 066076
DRAWING NO. **C-310A**

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

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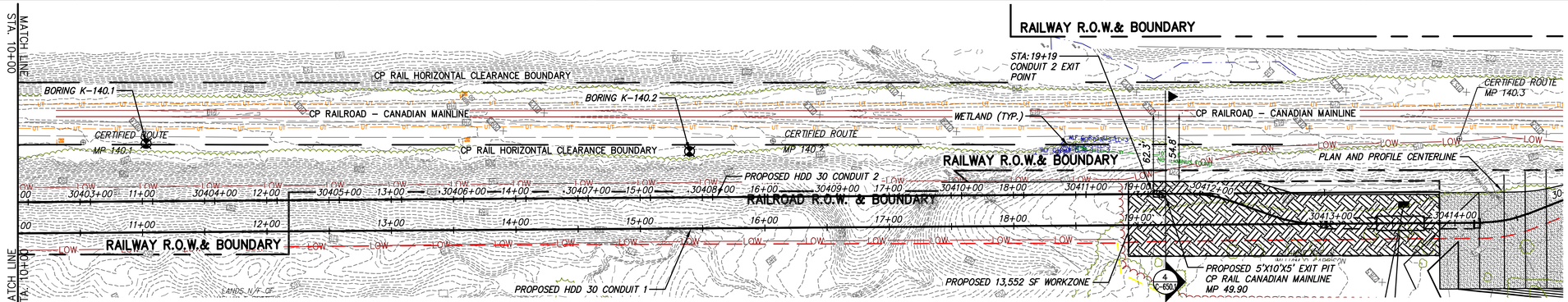

PROPOSED HDD 30 PLAN VIEW

CONDUIT 2

NOTE:
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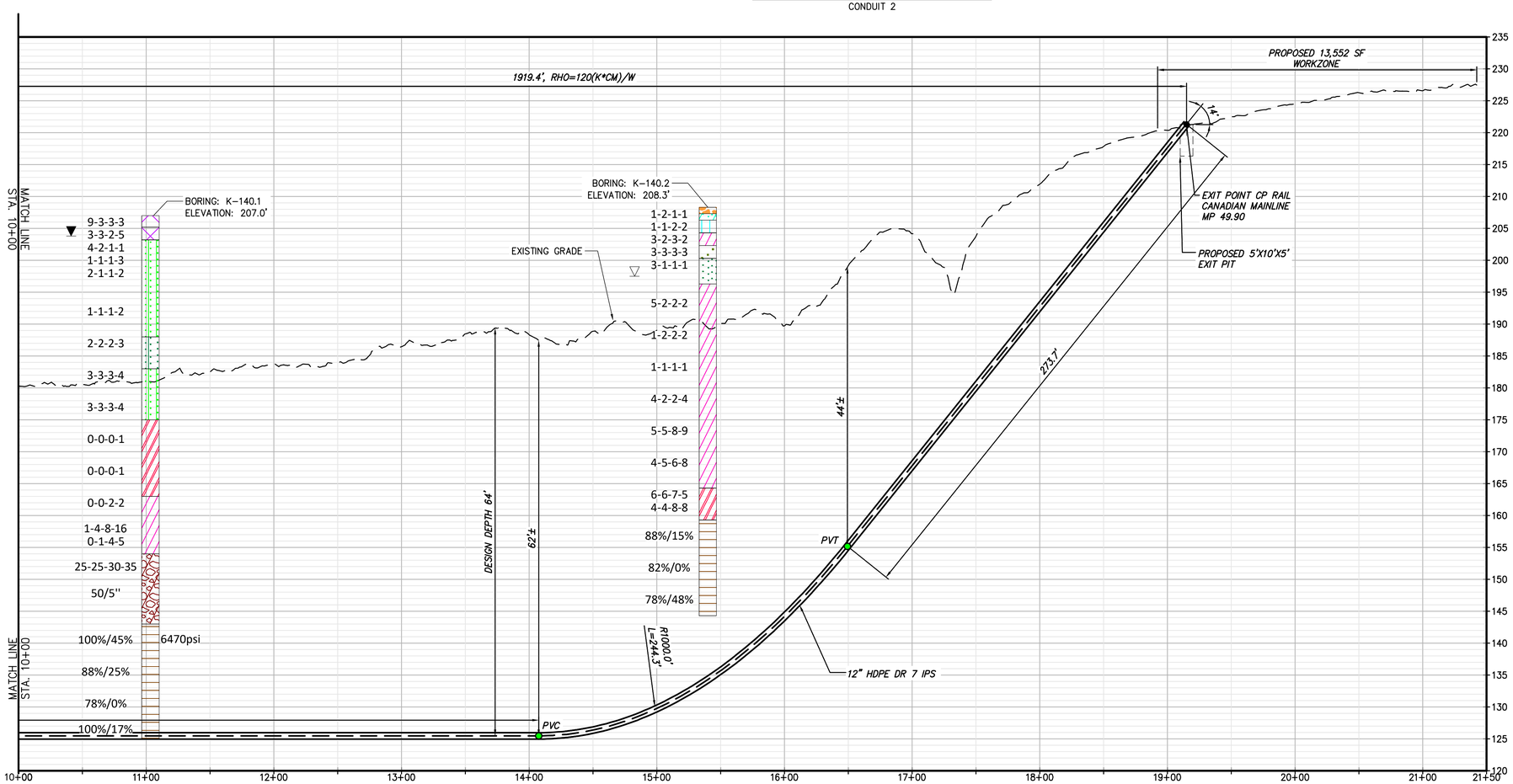

PROPOSED HDD 30 PROFILE

CONDUIT 2

BORING LOG STRIP LEGEND

B101

Blow Counts per 6" = 10-10-10

Recovery %/RQD % = 95%/90%

11000psi =UCS

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CHAMPLAIN HUDSON POWER EXPRESS
SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON
PLAN AND PROFILE - HDD 30, CONDUIT 2

KIEWIT PROJECT NO. 21162
CHA PROJECT NO. 066076
DRAWING NO. **C-310A.1**

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

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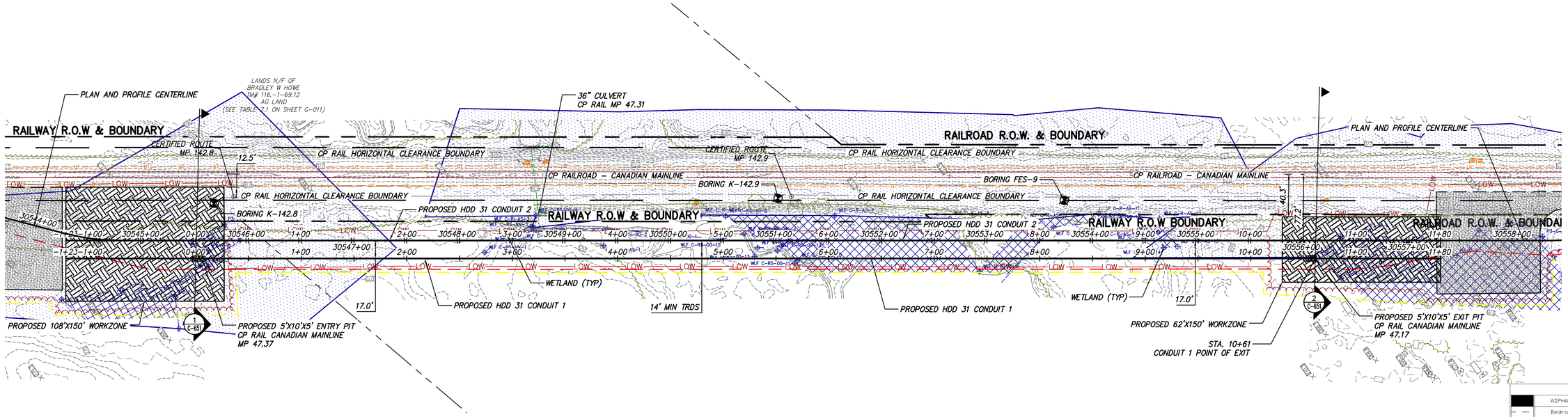
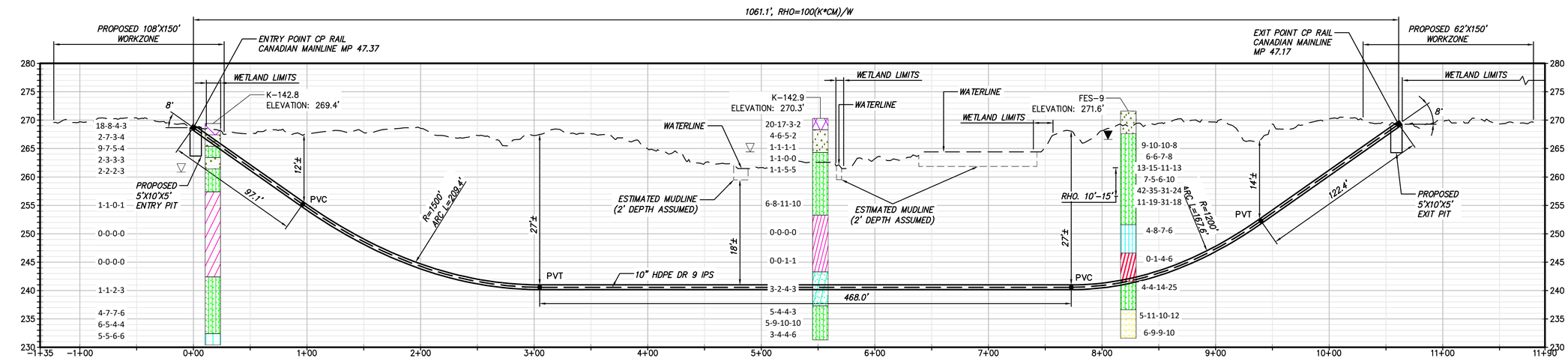
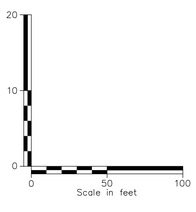


PROPOSED HDD 31 PLAN VIEW

CONDUIT 1





PROPOSED HDD 31 PROFILE

CONDUIT 1

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BORING LOG STRIP LEGEND

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CHAMPLAIN HUDSON POWER EXPRESS

SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON

PLAN AND PROFILE - HDD 31, CONDUIT 1

KIEWIT PROJECT NO. 21162

CHA PROJECT NO. 066076

DRAWING NO. C-311

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

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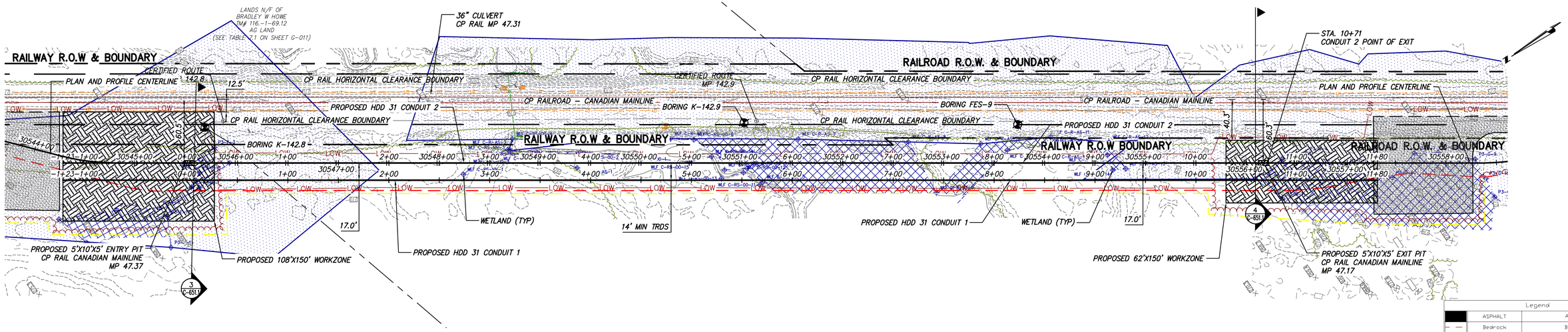
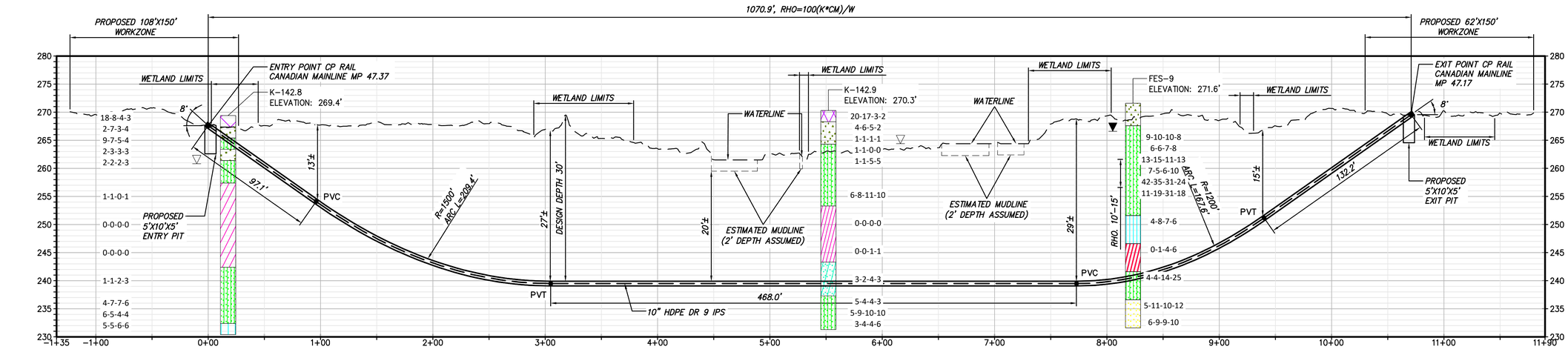
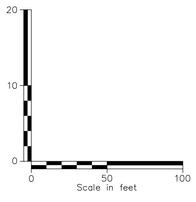


PROPOSED HDD 31 PLAN VIEW

CONDUIT 2





PROPOSED HDD 31 PROFILE

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CHAMPLAIN HUDSON POWER EXPRESS

SEGMENTS 4 & 5 (PACKAGE 3) - CP: FORT EDWARD TO MILTON

PLAN AND PROFILE - HDD 31, CONDUIT 2

DRAWN BY: CKZ DESIGNED BY: CKZ APPROVED BY: JEO

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

KIEWIT PROJECT NO. 21162

CHA PROJECT NO. 066076

DRAWING NO. **C-311A**

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