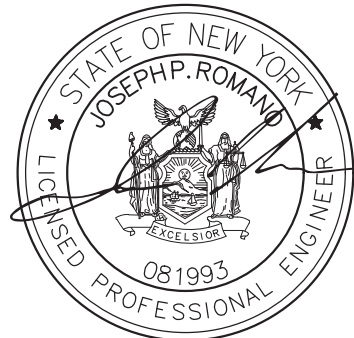
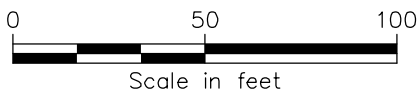


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SPLICE LOCATION 064 ACCESS DRIVE OFF TOWPATH LN
SCALE: 1" = 50'



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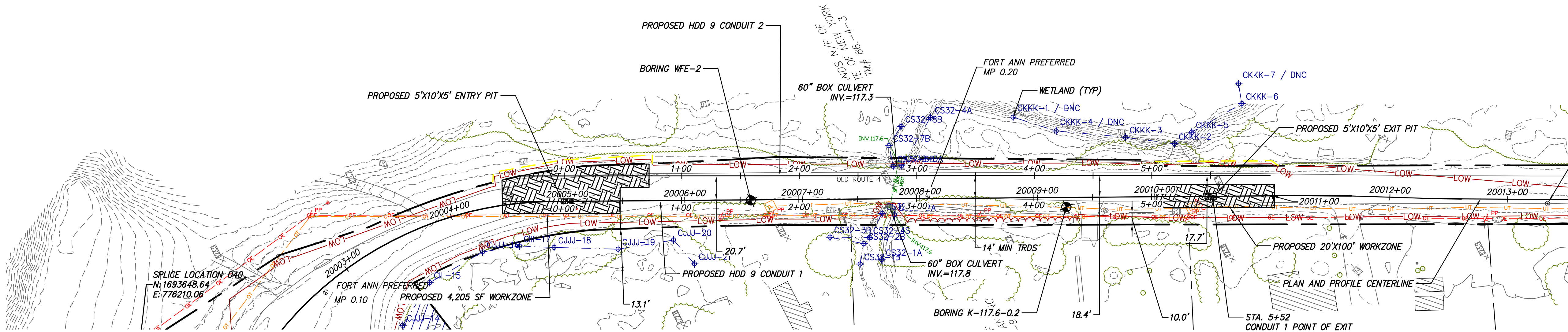
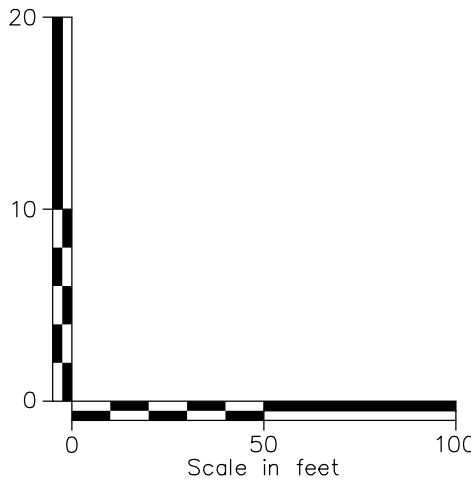
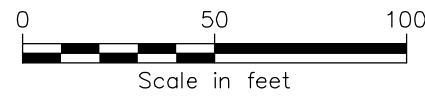
0	03/22/2023	ISSUED FOR CONSTRUCTION SUBMISSION					JJE	JPR	
No.	DATE	SUBMITTAL / REVISION DESCRIPTION					DB	APP	

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
SPLICE LOCATION 064 ACCESS DRIVE
OFF TOWPATH LN

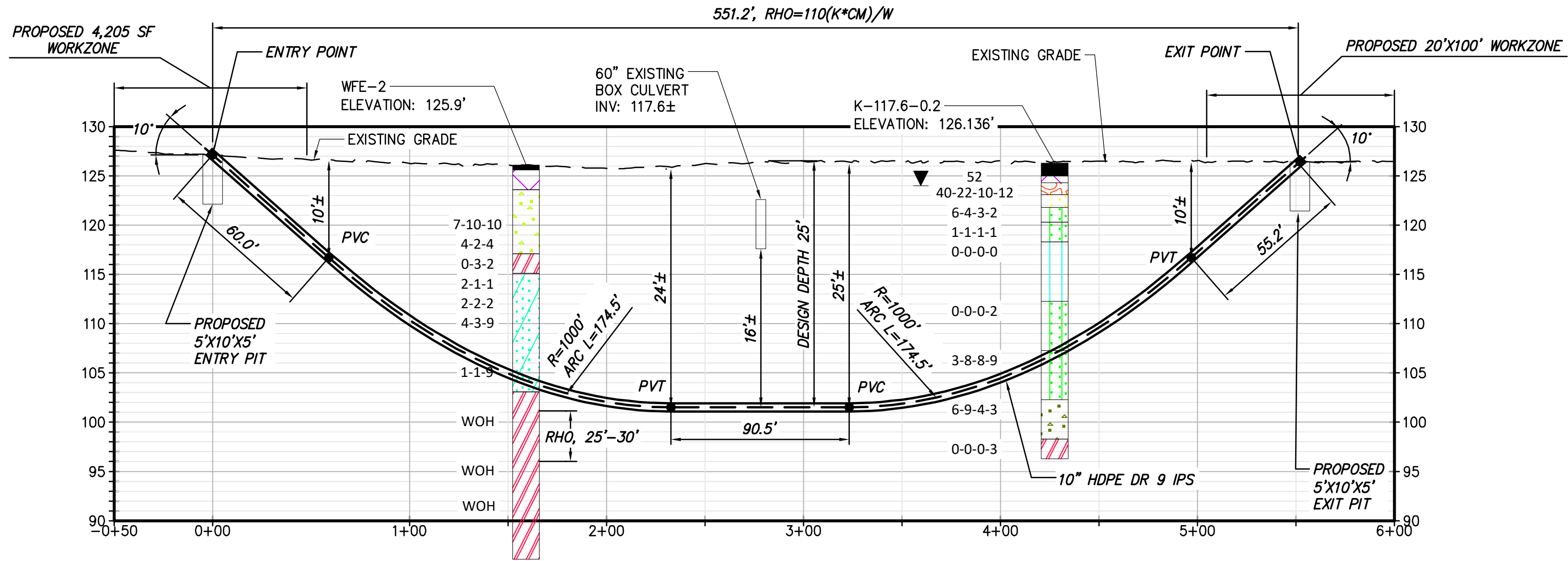
DRAWN BY: JJE DESIGNED BY: JTM APPROVED BY: JPR SCALE AS NOTED
REV. NO. X

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	C-217
DATE	03/22/2023

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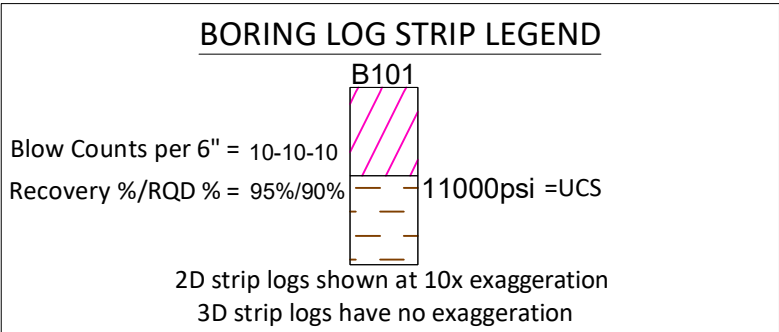


PROPOSED HDD 9 PLAN VIEW
CONDUIT 1

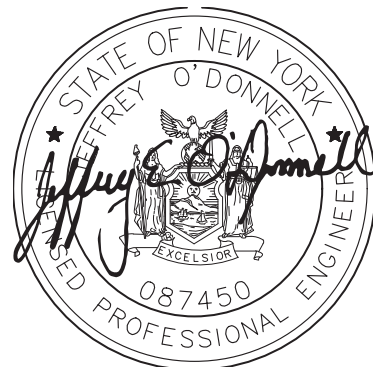


PROPOSED HDD 9 PROFILE
CONDUIT 1

NOTE:
1) DRIVEWAY ACCESS MUST BE MAINTAINED DURING CONSTRUCTION FOR HOMES ON ROUTE 4 PER THE MPT PLAN AND NOTES, C-500 SERIES.



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-SM	Well Graded SAND with CLAY
	SW-SM	Well Graded SAND with SILT
	Topsail	Topsail
	USGS 601	Gravel or Conglomerate 1
	USGS 654	Subgrslywacke
	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



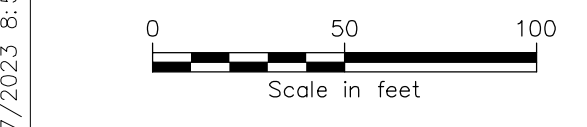
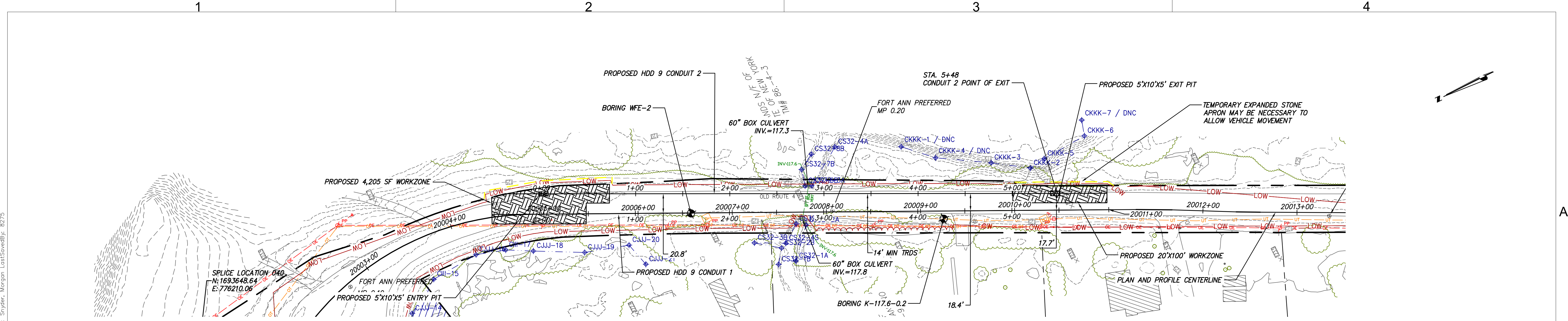
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE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

0	03/22/2023	ISSUED FOR CONSTRUCTION SUBMISSION	MCS	JEO
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP

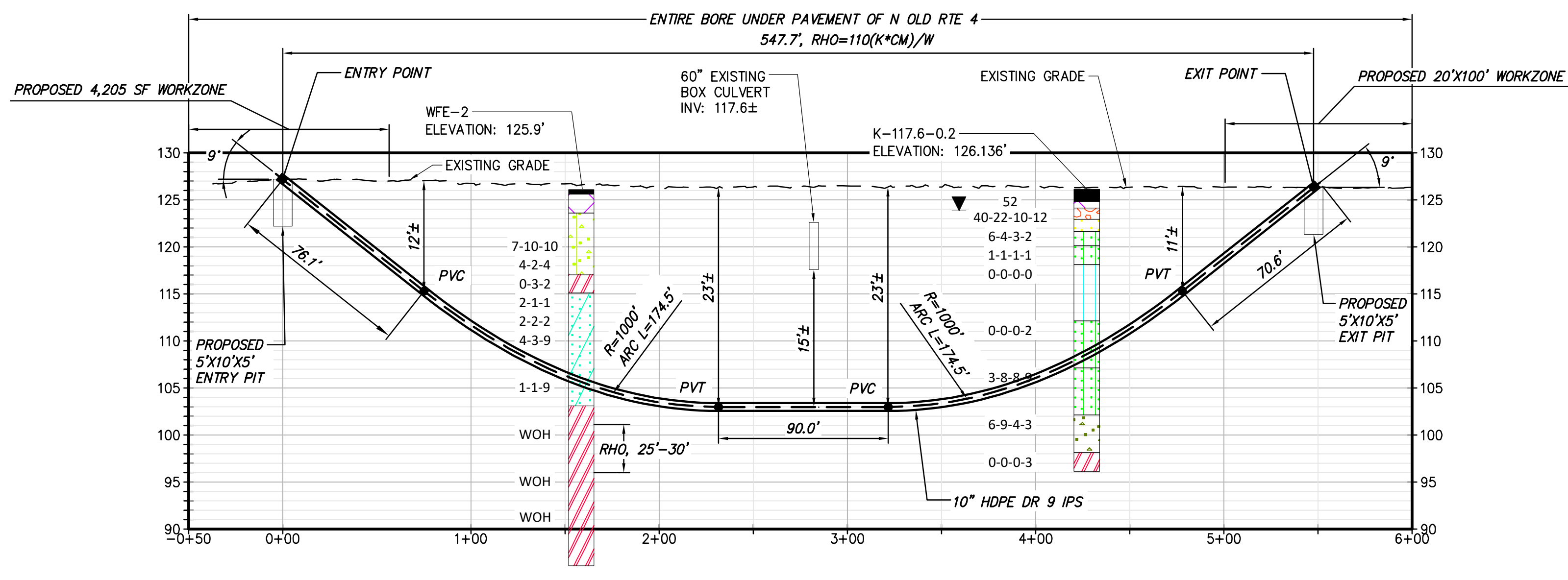
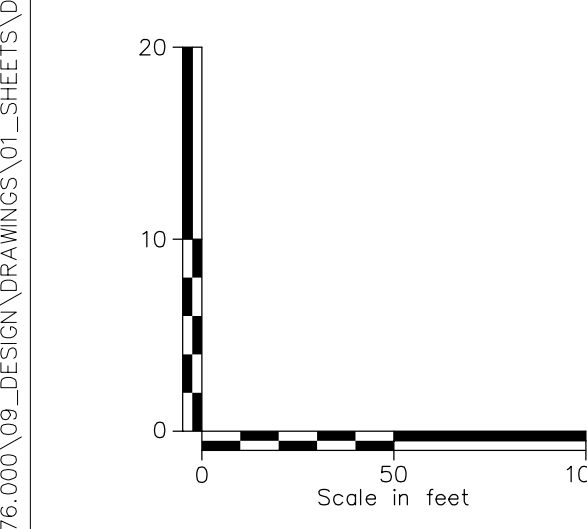
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PLAN AND PROFILE - HDD 9, CONDUIT 1

DRAWN BY: SK DESIGNED BY: SK APPROVED BY: JEO SCALE AS NOTED DATE 03/22/2023

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	C-301
DATE	03/22/2023

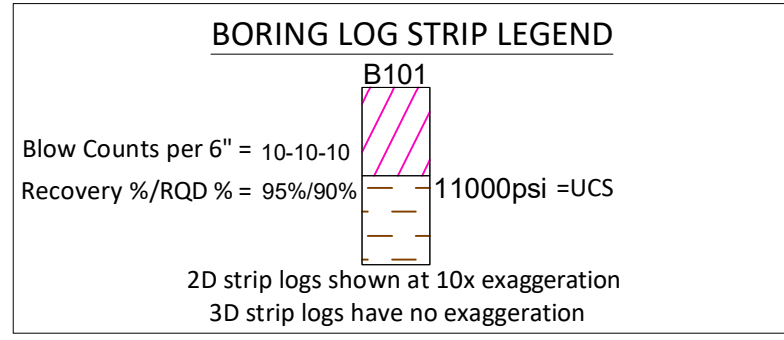


PROPOSED HDD 9 PLAN VIEW
CONDUIT 2



PROPOSED HDD 9 PROFILE
CONDUIT 2

NOTE:
1) DRIVEWAY ACCESS MUST BE MAINTAINED DURING CONSTRUCTION FOR HOMES ON ROUTE 4 PER THE MPT PLAN AND NOTES, C-500 SERIES.



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-SM	Well Graded SAND with CLAY
	SW-SM	Well Graded SAND with SILT
	Topsoll	Topsoll
	USGS 601	Gravel or Conglomerate 1
	USGS 654	Subgrslywacke
	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

CHPE
Champlain Hudson
Power Express

Kiewit

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

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0	03/22/2023	ISSUED FOR CONSTRUCTION SUBMISSION	MCS	JEO
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP

**CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PLAN AND PROFILE - HDD 9, CONDUIT 2**

DRAWN BY: SK

DESIGNED BY: SK

APPROVED BY: JEO

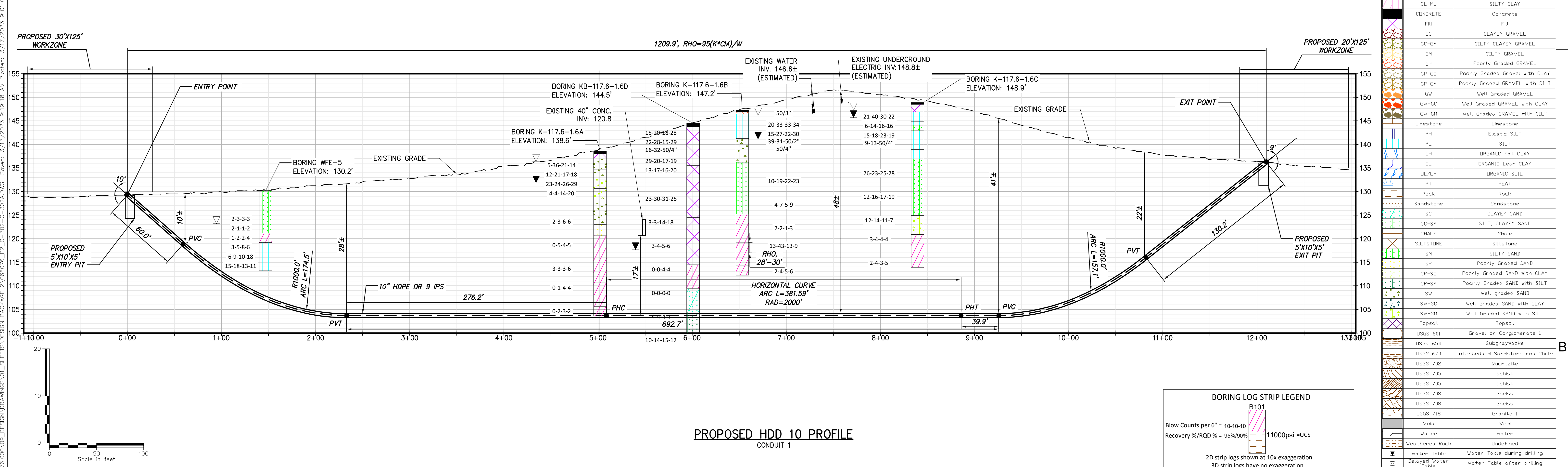
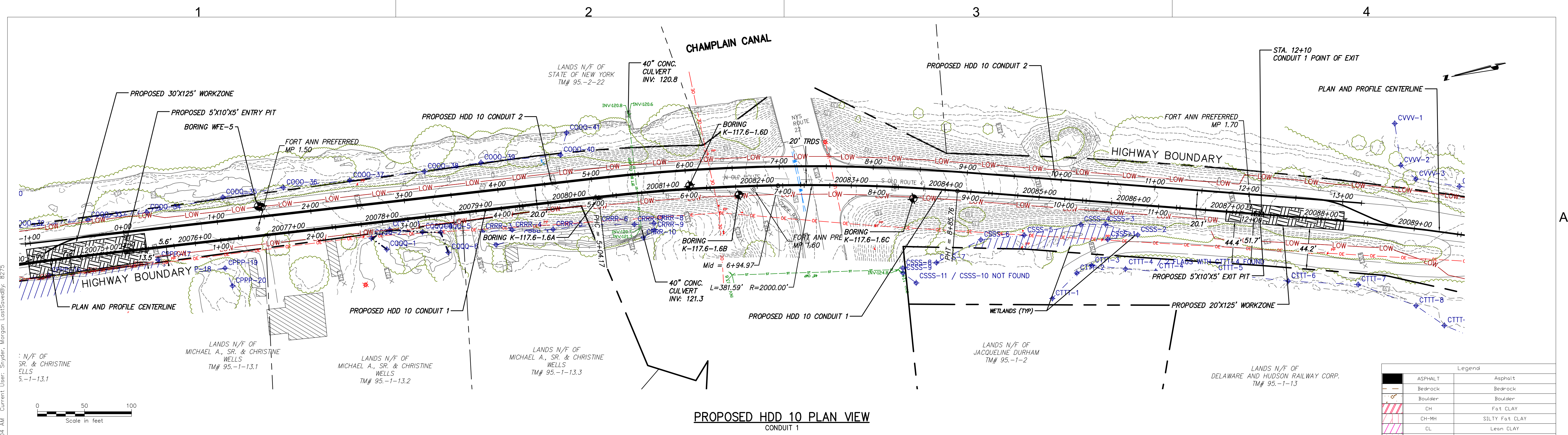
SCALE: AS NOTED

DATE: 03/22/2023

KIEWIT PROJECT NO. 21162

CHA PROJECT NO. 068076

DRAWING NO. C-301A





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.

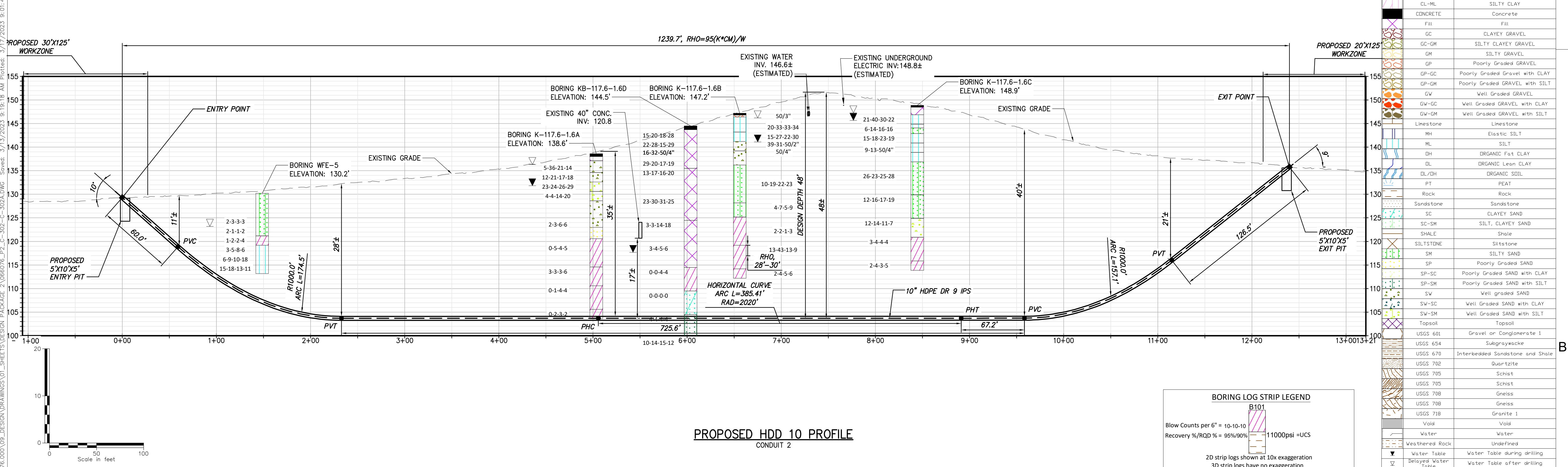
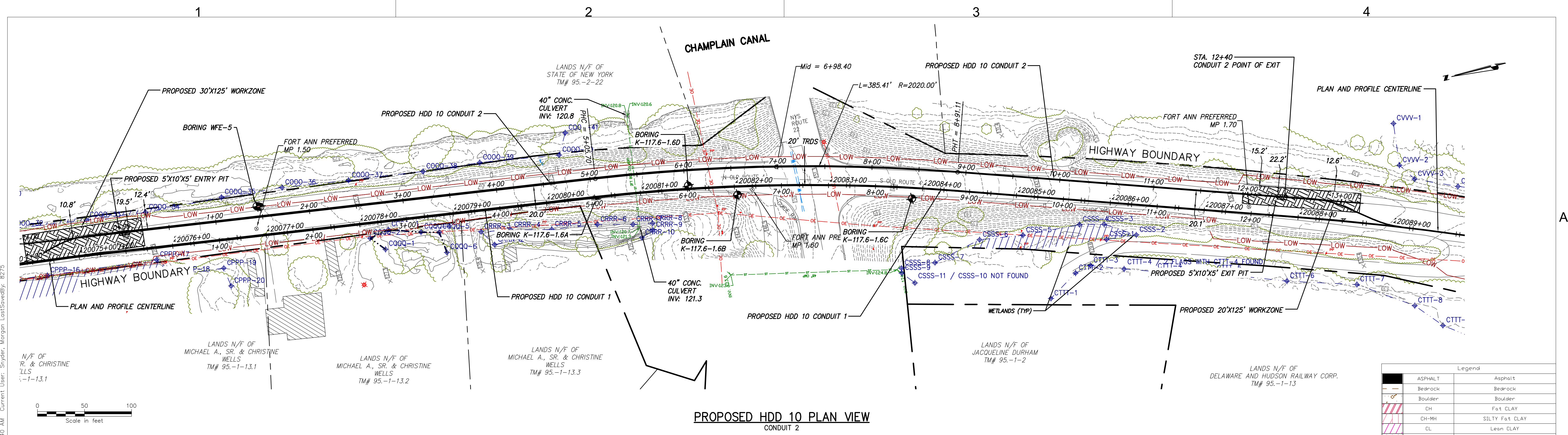
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
0	03/22/2023	ISSUED FOR CONSTRUCTION SUBMISSION	MCS	JEO

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PLAN AND PROFILE - HDD 10, CONDUIT 1

KIEWIT PROJECT NO.
21162
CHA PROJECT NO.
068076
DRAWING NO.
C-302

DRAWN BY: MCS
DESIGNED BY: MCS
APPROVED BY: JEO

SCALE
AS NOTED
DATE
03/22/2023





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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
0	03/22/2023	ISSUED FOR CONSTRUCTION SUBMISSION	MCS	JEO

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PLAN AND PROFILE - HDD 10, CONDUIT 2

03/22/2023

ISSUED FOR CONSTRUCTION SUBMISSION

MCS

JEO

DRAWN BY:

DESIGNED BY:

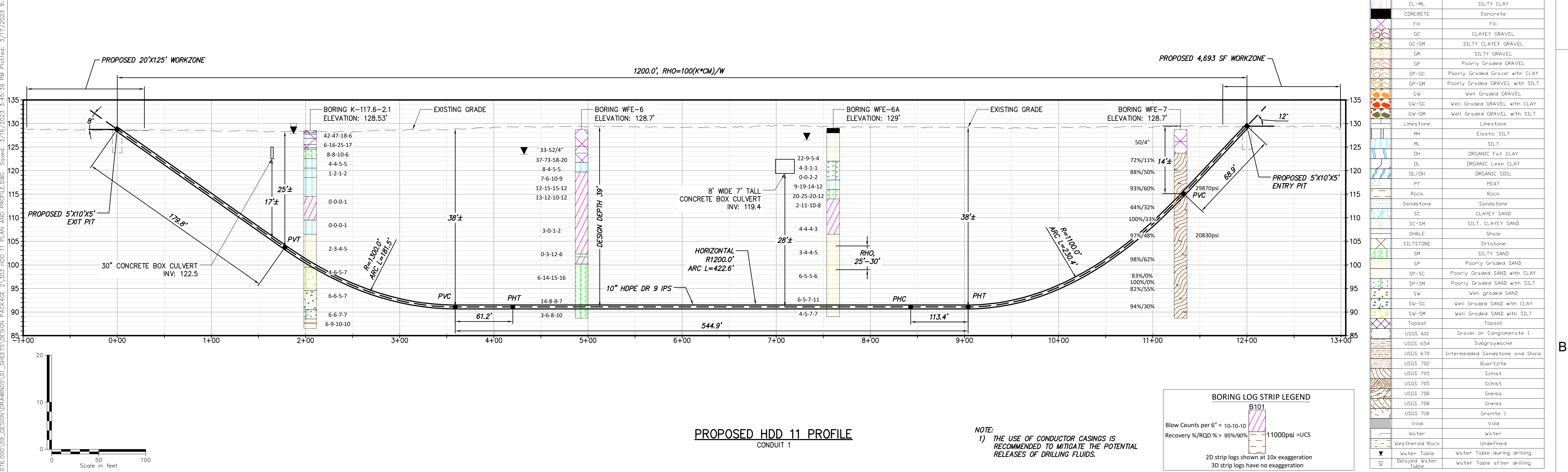
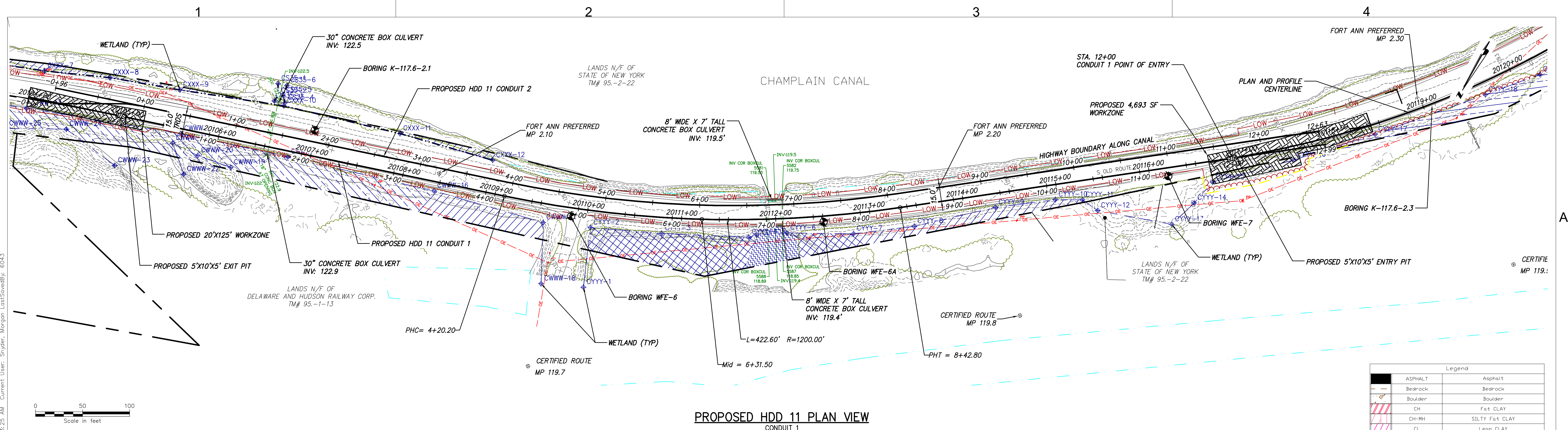
APPROVED BY:

SCALE

AS NOTED

DATE

03/22/2023





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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
0	03/22/2023	ISSUED FOR CONSTRUCTION SUBMISSION	MCS	JEO

DRAWN BY: JAS

DESIGNED BY: MB

APPROVED BY: JEO

SCALE: AS NOTED

DATE: 03/22/2023

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PLAN AND PROFILE - HDD 11, CONDUIT 1

KIEWIT PROJECT NO. 21162
CHA PROJECT NO. 068076
DRAWING NO. C-303

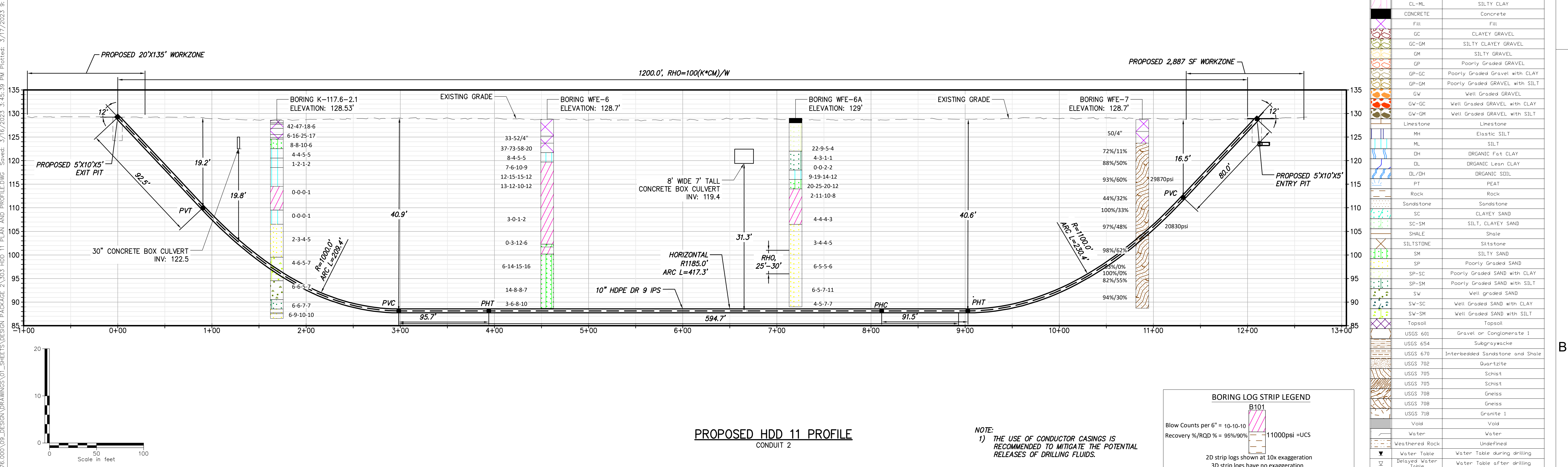
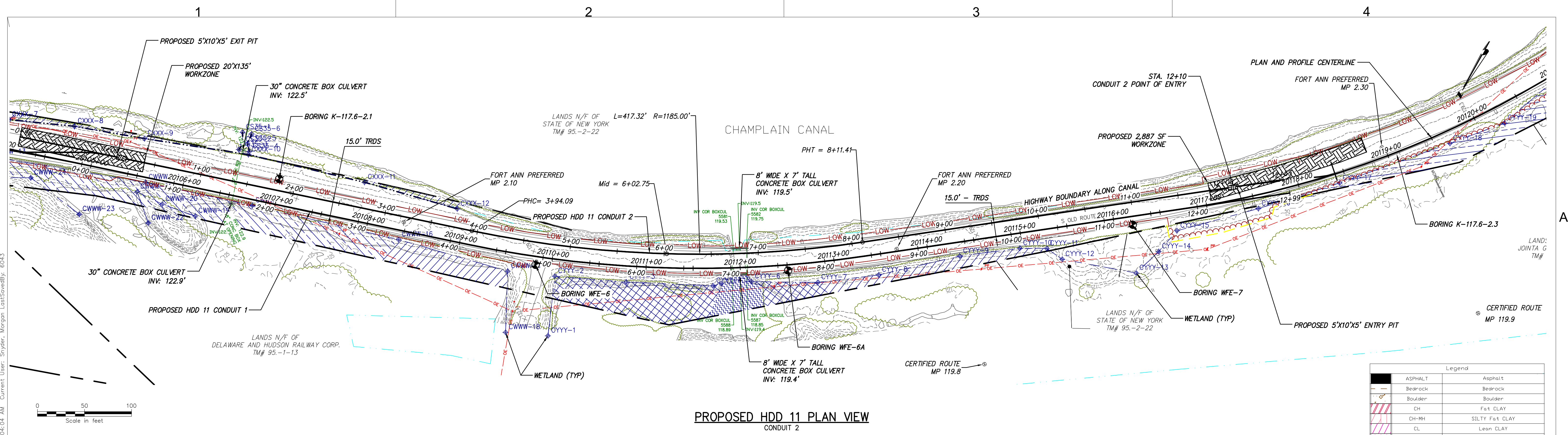
DRAWN BY: JAS

DESIGNED BY: MB

APPROVED BY: JEO

SCALE: AS NOTED

DATE: 03/22/2023



Legend		
	ASPHALT	Asphalt
	Bedrock	Bedrock
	Boulder	Boulder
	CH	Fat CLAY
	CH-MH	SILTY Fat CLAY
	CL	Lean CLAY
	CL-ML	SILTY CLAY
	CD/CONCRETE	Concrete
	FRI	FRI
	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
	DL	ORGANIC Lean CLAY
	DL/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
	USGS 708	Gneiss
	USGS 708	Gneiss
	USGS 718	Granite 1
	Void	Void
	Water	Water
	Weathered Rock	Undefined
	Water Table during drilling	Water Table during drilling
	Delayed Water Table	Water Table after drilling

Champlain Hudson Power Express

Kiewit

CHA

JEFFREY D. AMATO
REGISTERED PROFESSIONAL ENGINEER
087450

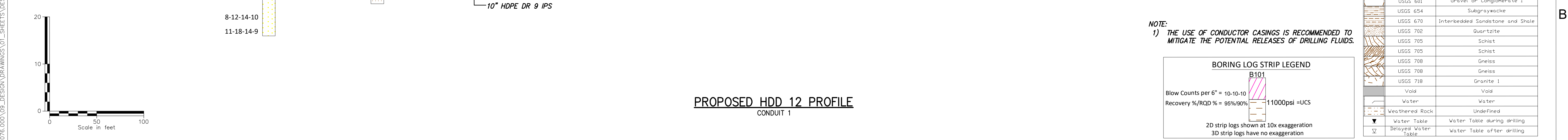
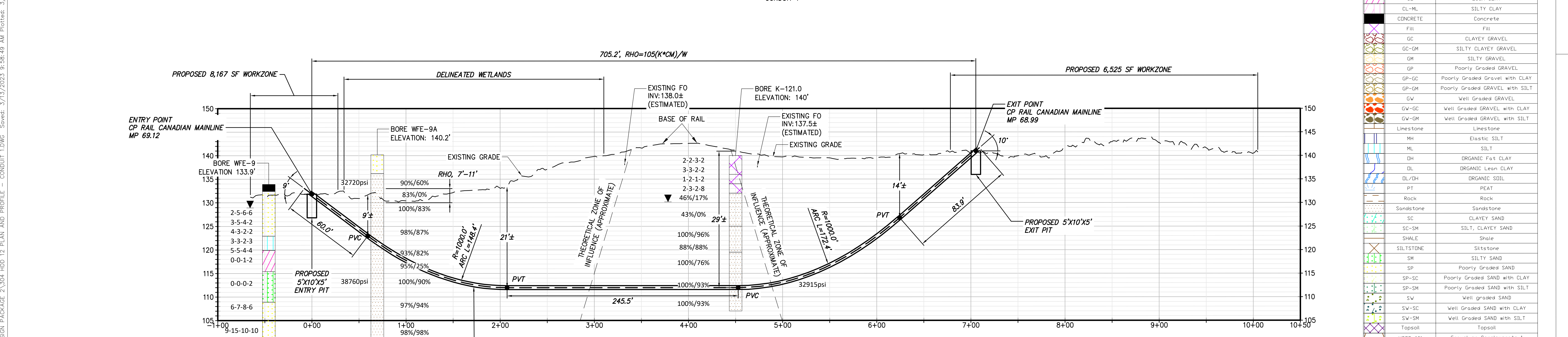
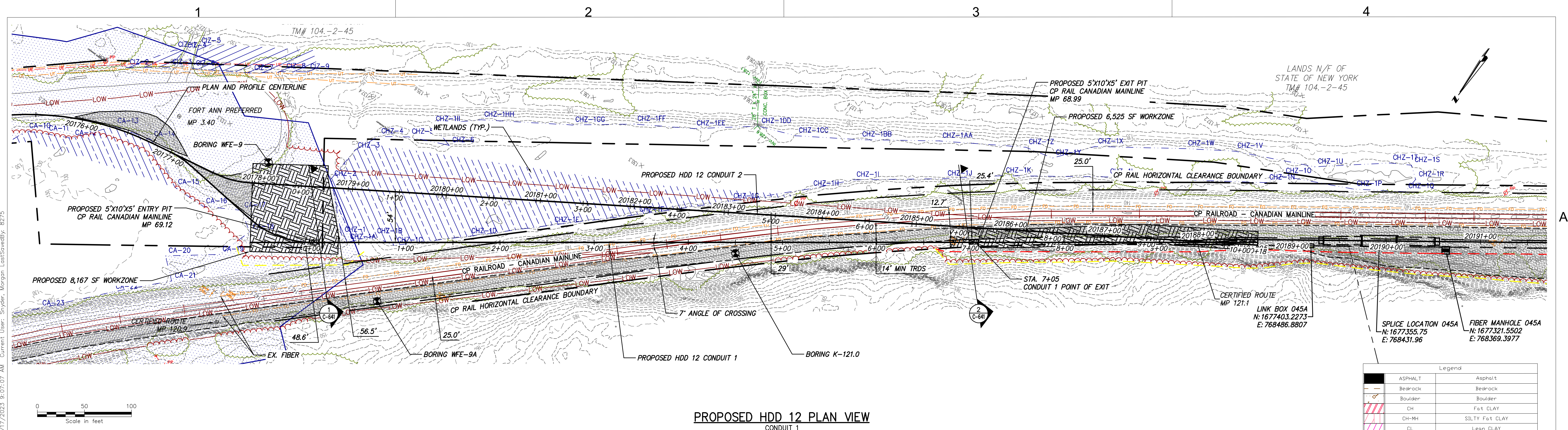
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0	03/22/2023	ISSUED FOR CONSTRUCTION SUBMISSION	MCS	JEO
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PLAN AND PROFILE - HDD 11, CONDUIT 2

KIEWIT PROJECT NO. 21162
CHA PROJECT NO. 068076
DRAWING NO. C-303A

DRAWN BY: JAS
DESIGNED BY: MB
APPROVED BY: JEO
SCALE: AS NOTED
DATE: 03/22/2023





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	03/22/2023	ISSUED FOR CONSTRUCTION SUBMISSION	MCS	JEO

DRAWN BY: SK

DESIGNED BY: SK

APPROVED BY: JEO

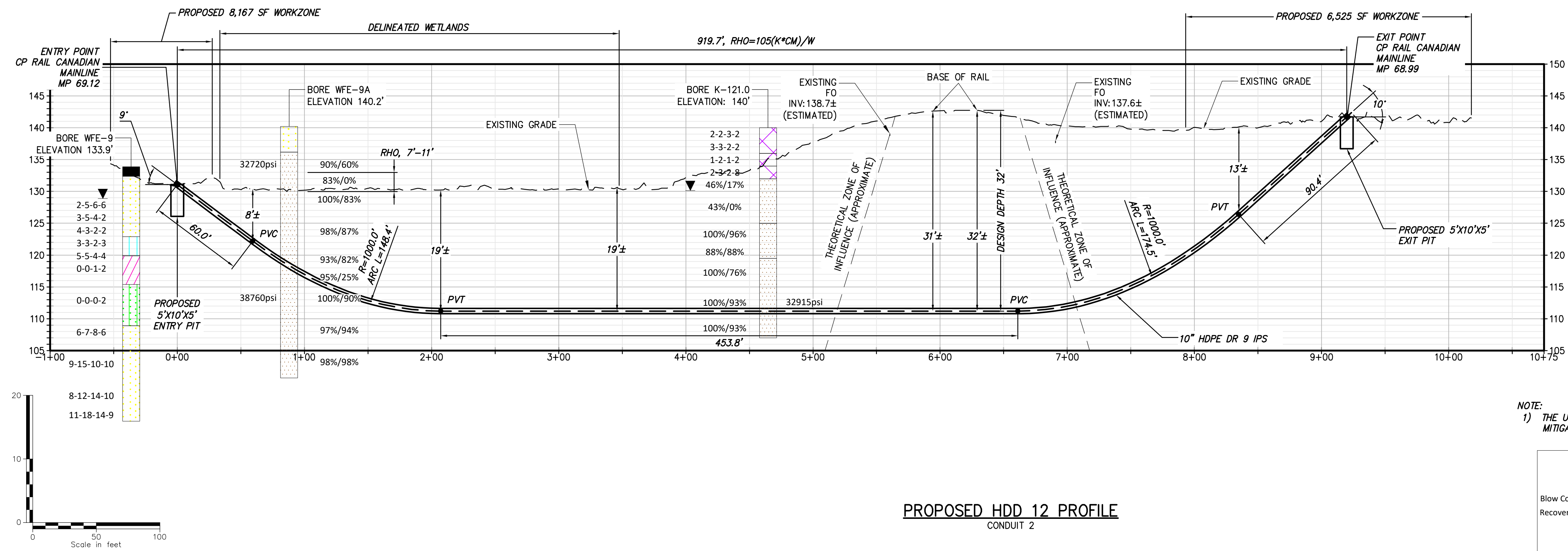
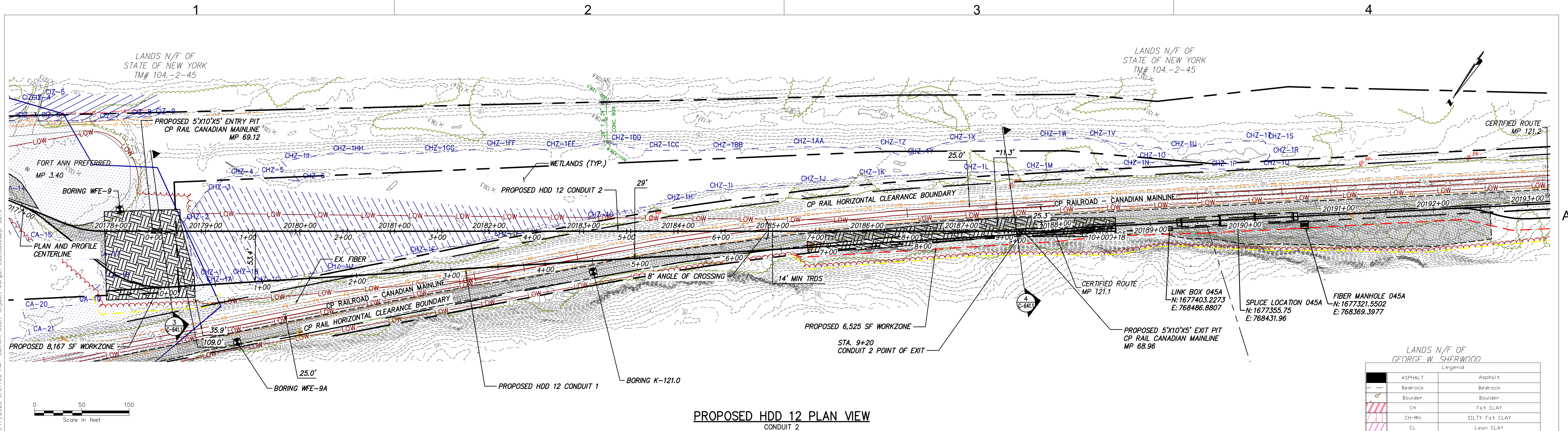
SCALE: AS NOTED

DATE: 03/22/2023

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PLAN AND PROFILE - HDD 12, CONDUIT 1

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

DRAWN BY: SK
DESIGNED BY: SK
APPROVED BY: JEO
SCALE: AS NOTED
DATE: 03/22/2023



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

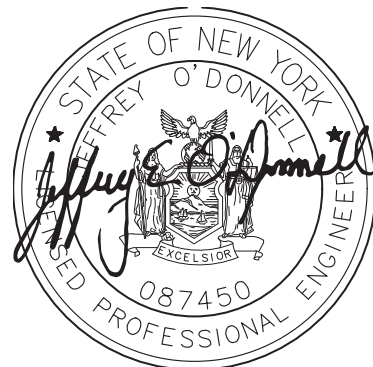
NOTE:
1) THE USE OF CONDUCTOR CASINGS IS RECOMMENDED TO MITIGATE THE POTENTIAL RELEASES OF DRILLING FLUIDS.

BORING LOG STRIP LEGEND



The legend for Boring Log Strip B101 shows a vertical strip with a pink hatched pattern in the upper half and a white background with brown horizontal lines in the lower half. To the left of the strip, the text reads 'Blow Counts per 6" = 10-10-10' and 'Recovery %/RQD % = 95%/90%'. To the right, it says '11000psi = UCS'.

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



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0	03/22/2023	ISSUED FOR CONSTRUCTION SUBMISSION	MCS	JEO
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PLAN AND PROFILE - HDD 12, CONDUIT 2

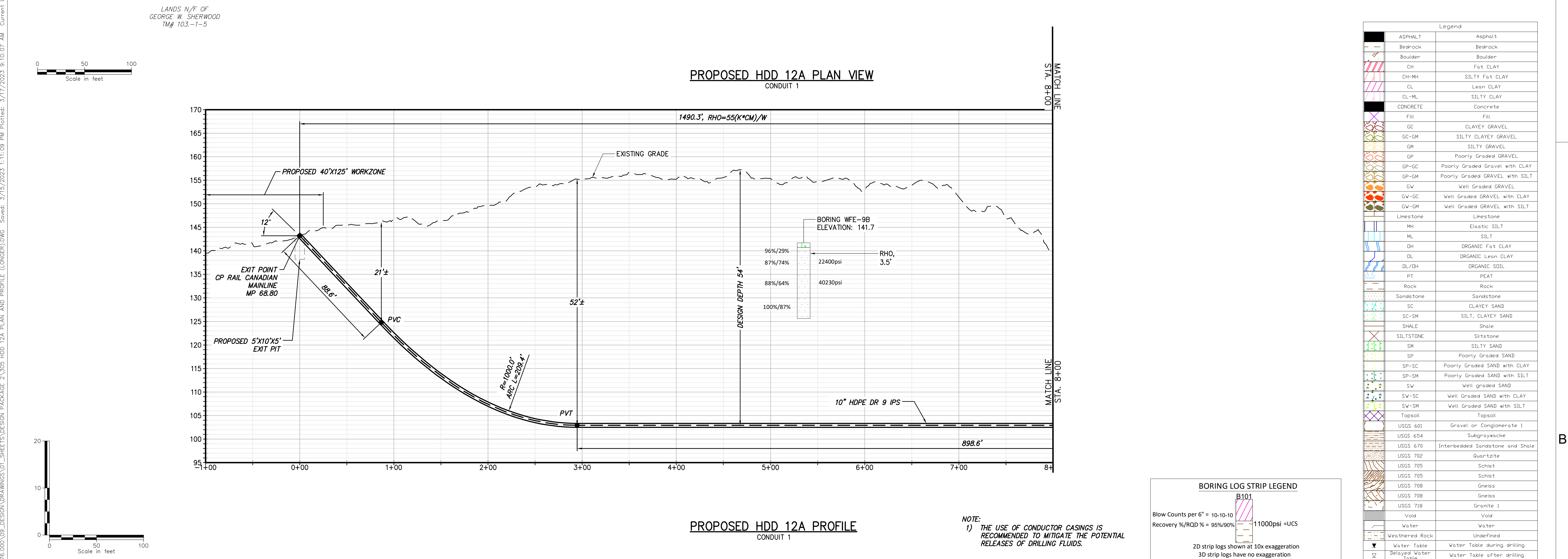
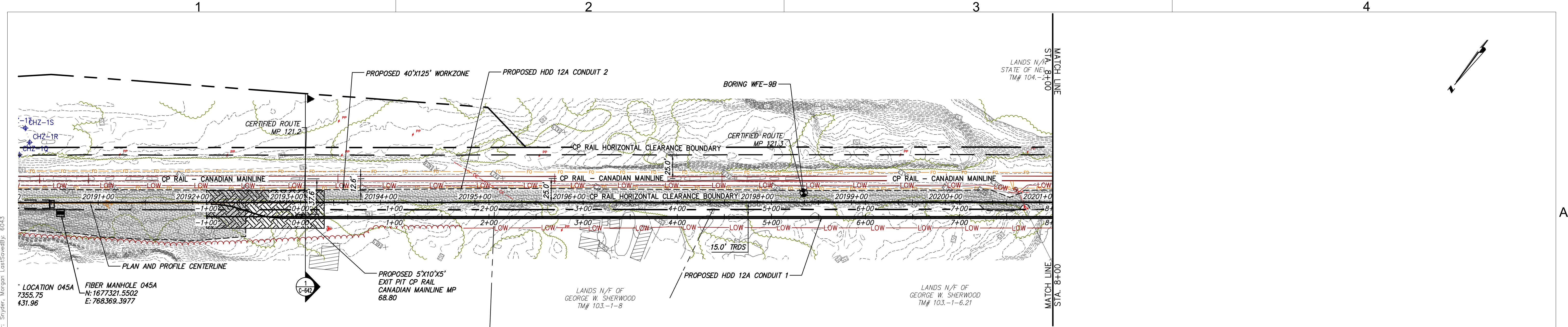
EWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	

C-304A

03/22/2023

DRAWN BY: SK			DESIGNED BY: SK			APPROVED BY: JEQ			SCALE AS NOTED	
REV. NO.			REV. NO.			REV. NO.			REV. NO.	

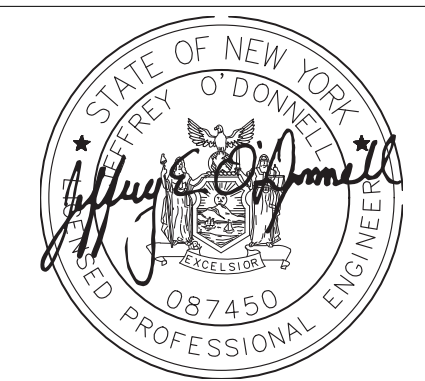
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Legend		
	ASPHALT	Asphalt
	Bedrock	Bedrock
	Boulder	Boulder
	CH	Fat CLAY
	CH-MH	SILTY Fat CLAY
	CL	Lean CLAY
	CL-ML	SILTY CLAY
	CONCRETE	Concrete
	FILL	FILL
	GC	CLAYEY GRAVEL
	GC-GM	SILTY CLAYEY GRAVEL
	GM	SILTY GRAVEL
	GP	Poorly Graded GRAVEL
	GP-GC	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 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
	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
RELEASES OF DRILLING FLUIDS.



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SPECIFIC DESCRIPTION OF THE ALTERATION.

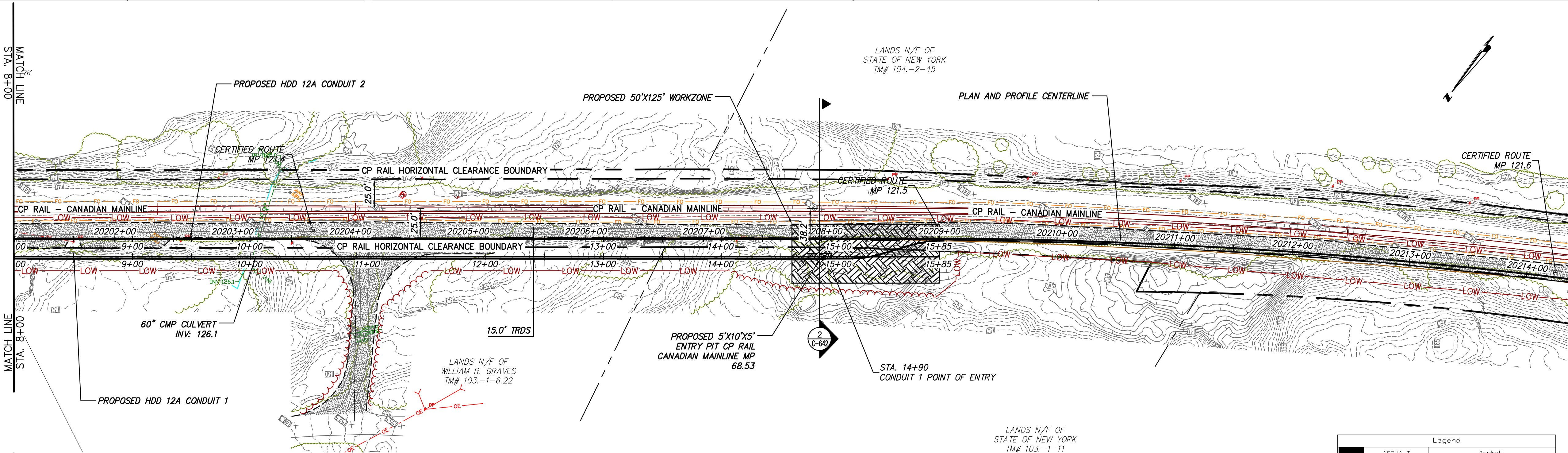
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP
0	03/22/2023	ISSUED FOR CONSTRUCTION SUBMISSION	MCS	JEO

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PLAN AND PROFILE - HDD 12A, CONDUIT 1

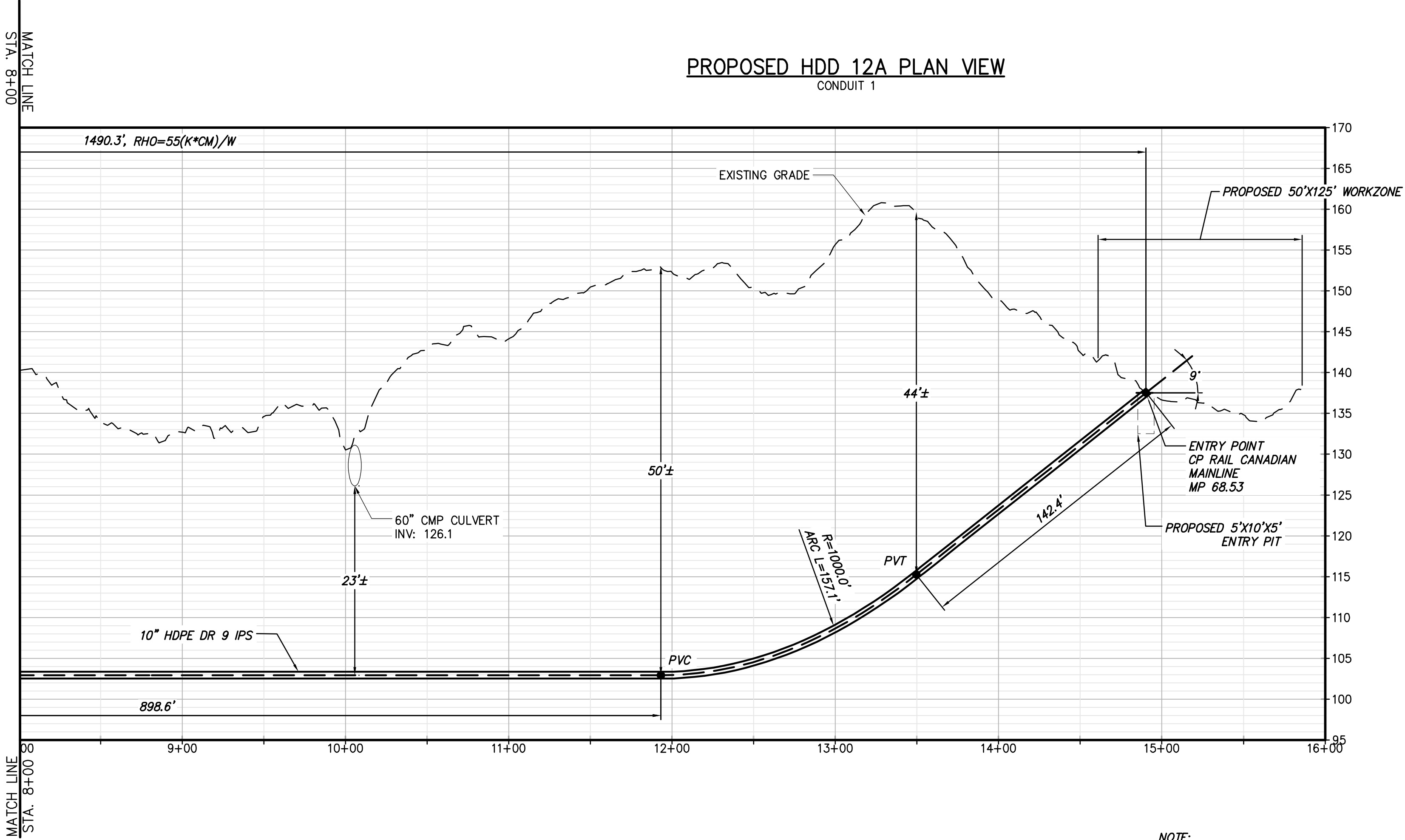
DRAWN BY: JAS DESIGNED BY: JAS APPROVED BY: JEO SCALE AS NOTED DATE 03/22/2023

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	C-305

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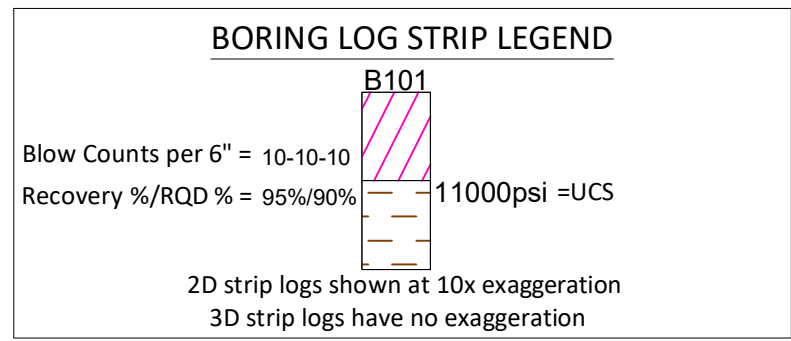


PROPOSED HDD 12A PLAN VIEW
CONDUIT 1



PROPOSED HDD 12A PROFILE
CONDUIT 1

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



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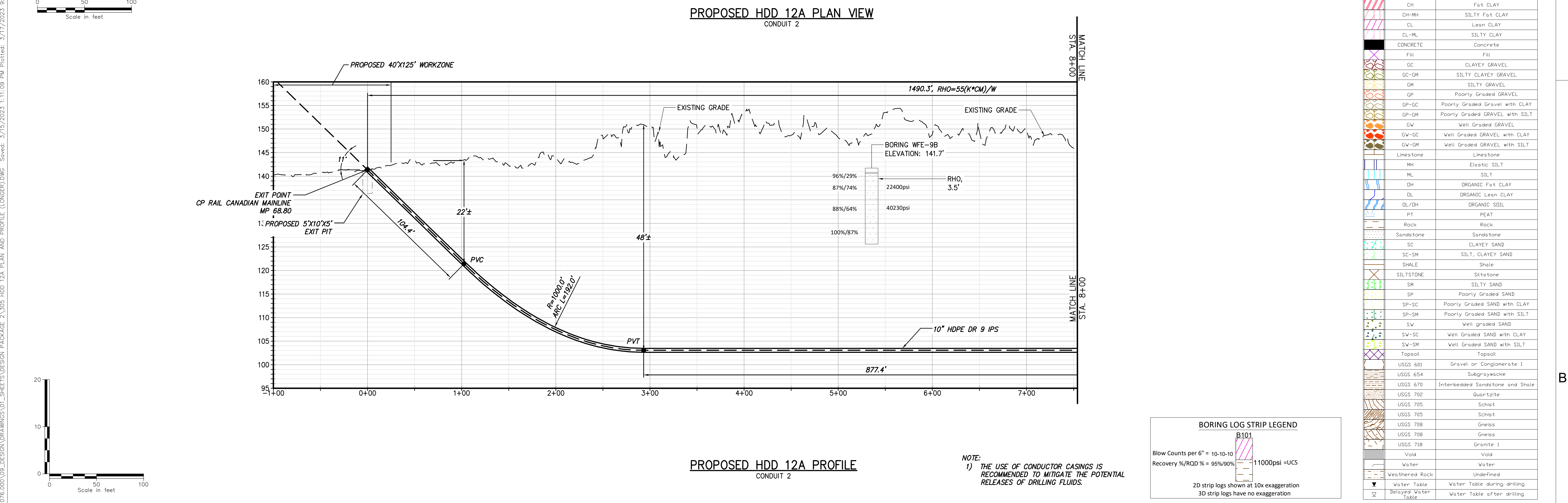
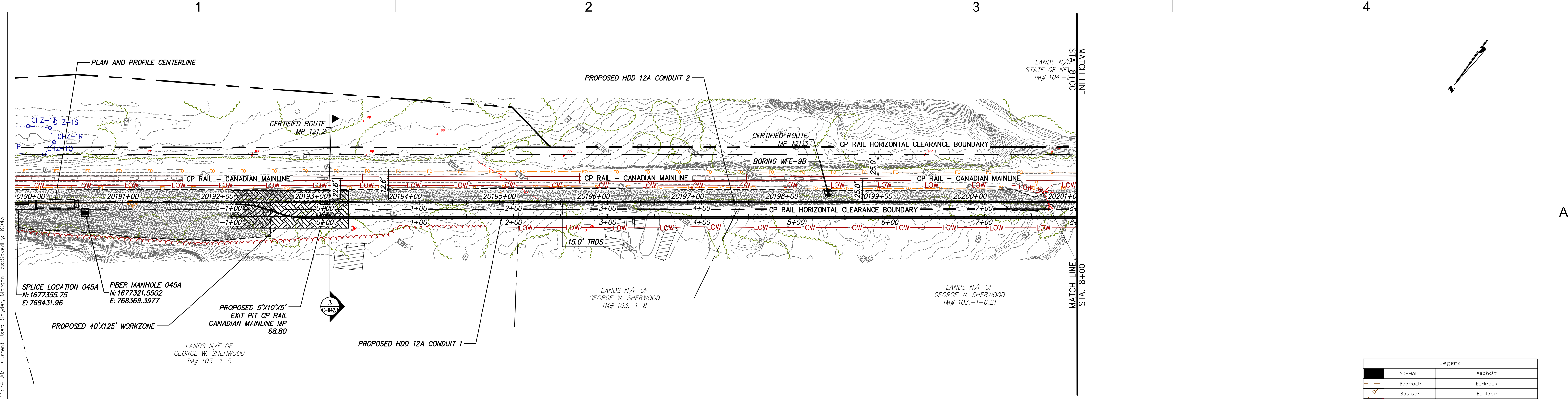
0	03/22/2023	ISSUED FOR CONSTRUCTION SUBMISSION	MCS	JEO
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PLAN AND PROFILE - HDD 12A, CONDUIT 1

DRAWN BY: JAS DESIGNED BY: JAS APPROVED BY: JEO SCALE AS NOTED DATE 03/22/2023

KIEWIT PROJECT NO.	21162
CHA PROJECT NO.	066076
DRAWING NO.	C-305.1

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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 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
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	USGS 601	Gravel or Conglomerate 1
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	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 during drilling	Water Table during drilling
	Water Table after drilling	Water Table after drilling



Champlain Hudson Power Express



Kiewit



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



STATE OF NEW YORK
J. J. J. J. J.
087450
REGISTERED PROFESSIONAL ENGINEER

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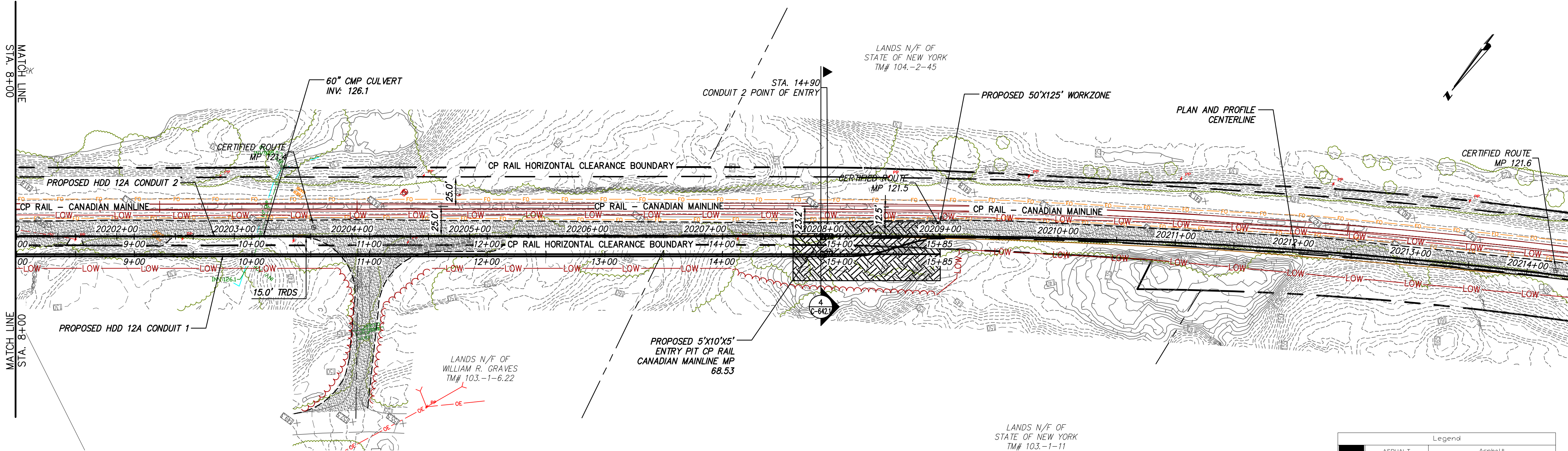
0	03/22/2023	ISSUED FOR CONSTRUCTION SUBMISSION	MCS	JEO
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CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PLAN AND PROFILE - HDD 12A, CONDUIT 2

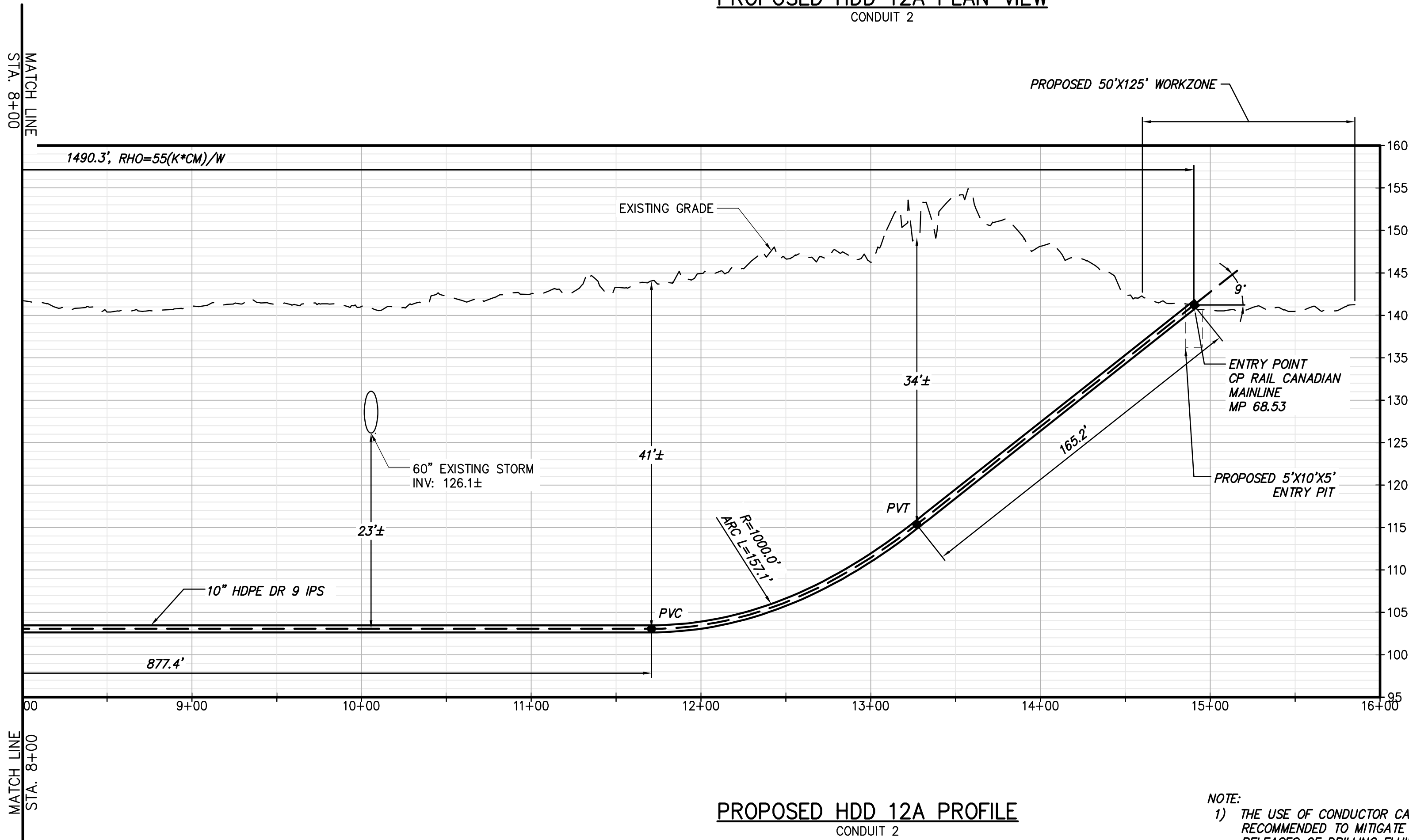
KIEWIT PROJECT NO. 21162
CHA PROJECT NO. 066076
DRAWING NO. C-305A

DRAWN BY: JAS DESIGNED BY: JAS APPROVED BY: JEO SCALE AS NOTED DATE 03/22/2023

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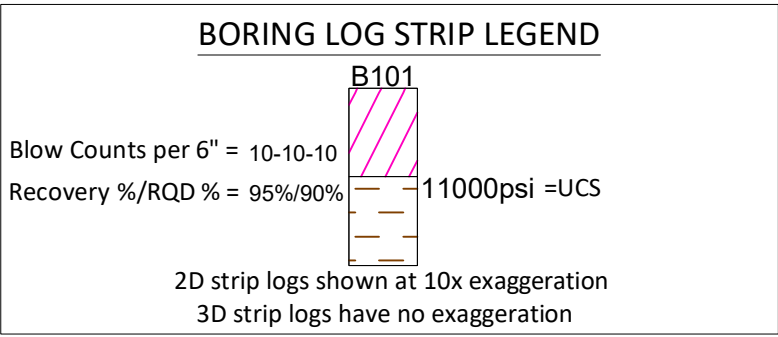


PROPOSED HDD 12A PLAN VIEW
CONDUIT 2



PROPOSED HDD 12A PROFILE
CONDUIT 2

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



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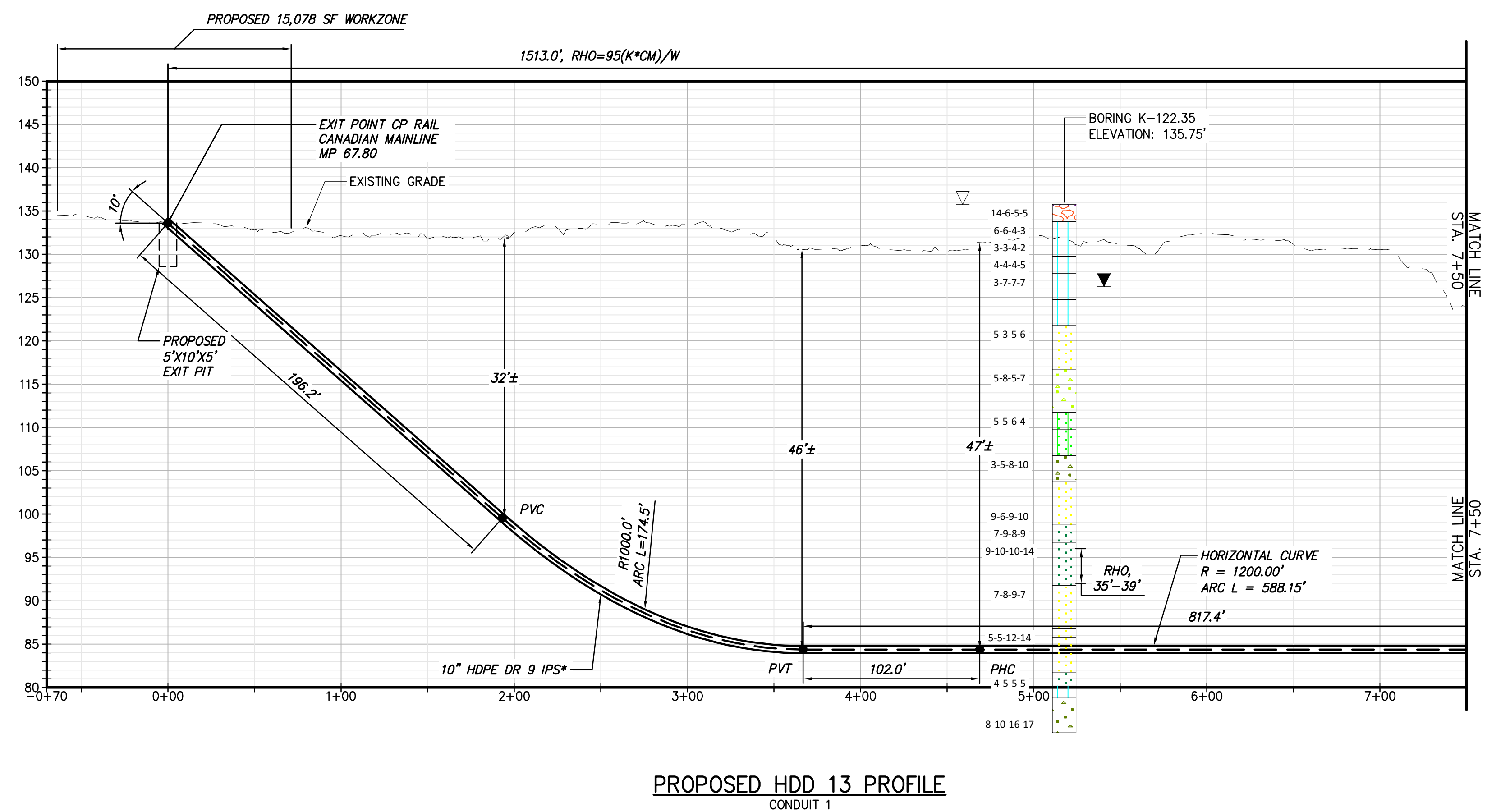
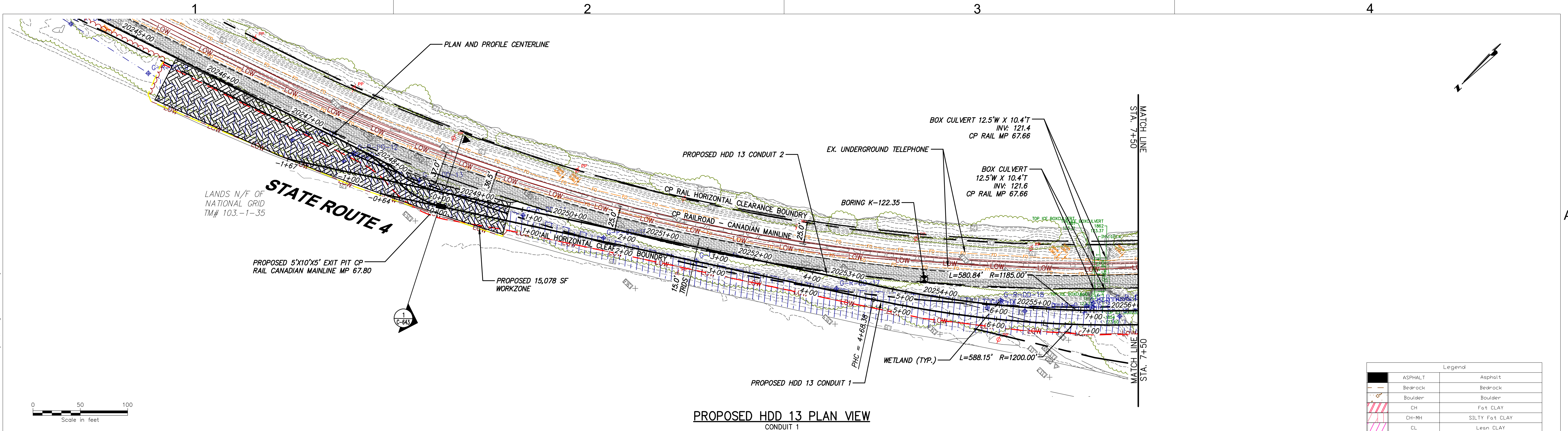
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PLAN AND PROFILE - HDD 12A, CONDUIT 2

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

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

C-305A.1

DATE 03/22/2023



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
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	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 SDIL
	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	Subgravel
	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	Water Table after drilling

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

BORING LOG STRIP LEGEND



Blow Counts per 6" = 10-10-10

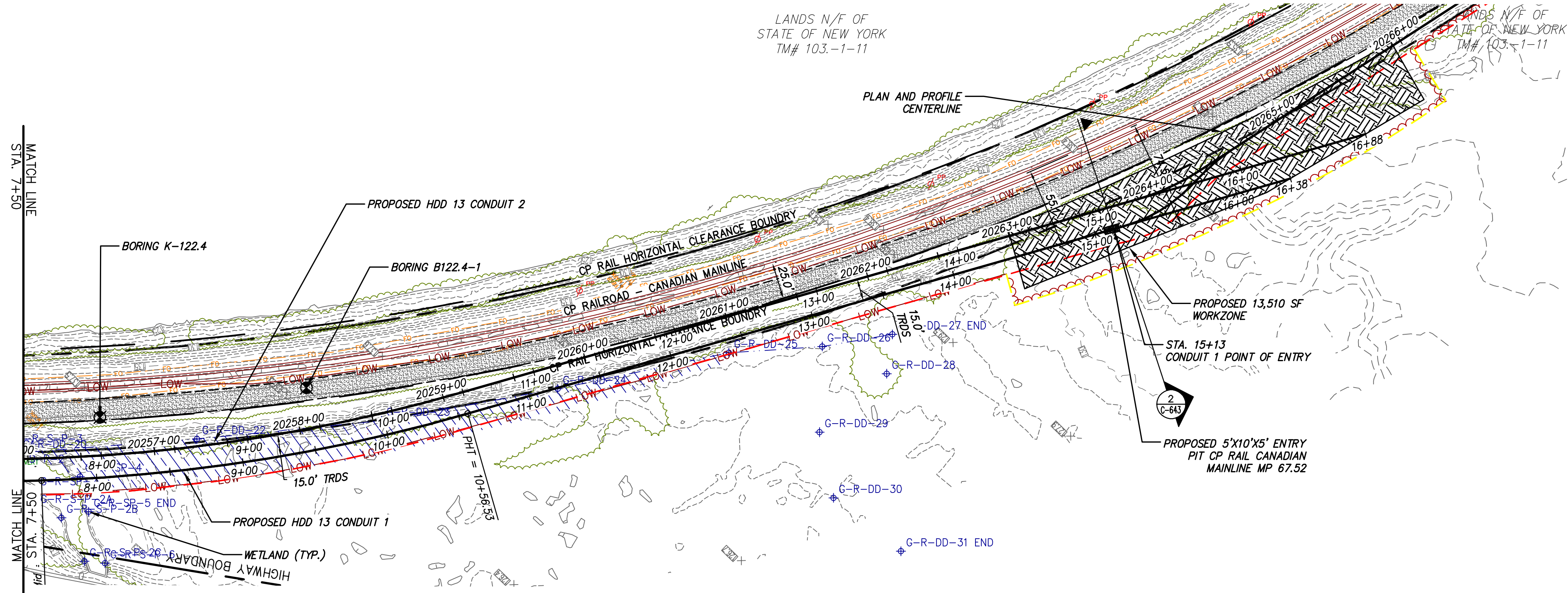
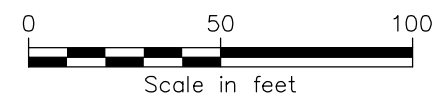
Recovery %/RQD % = 95%/90%

11000psi = UCS

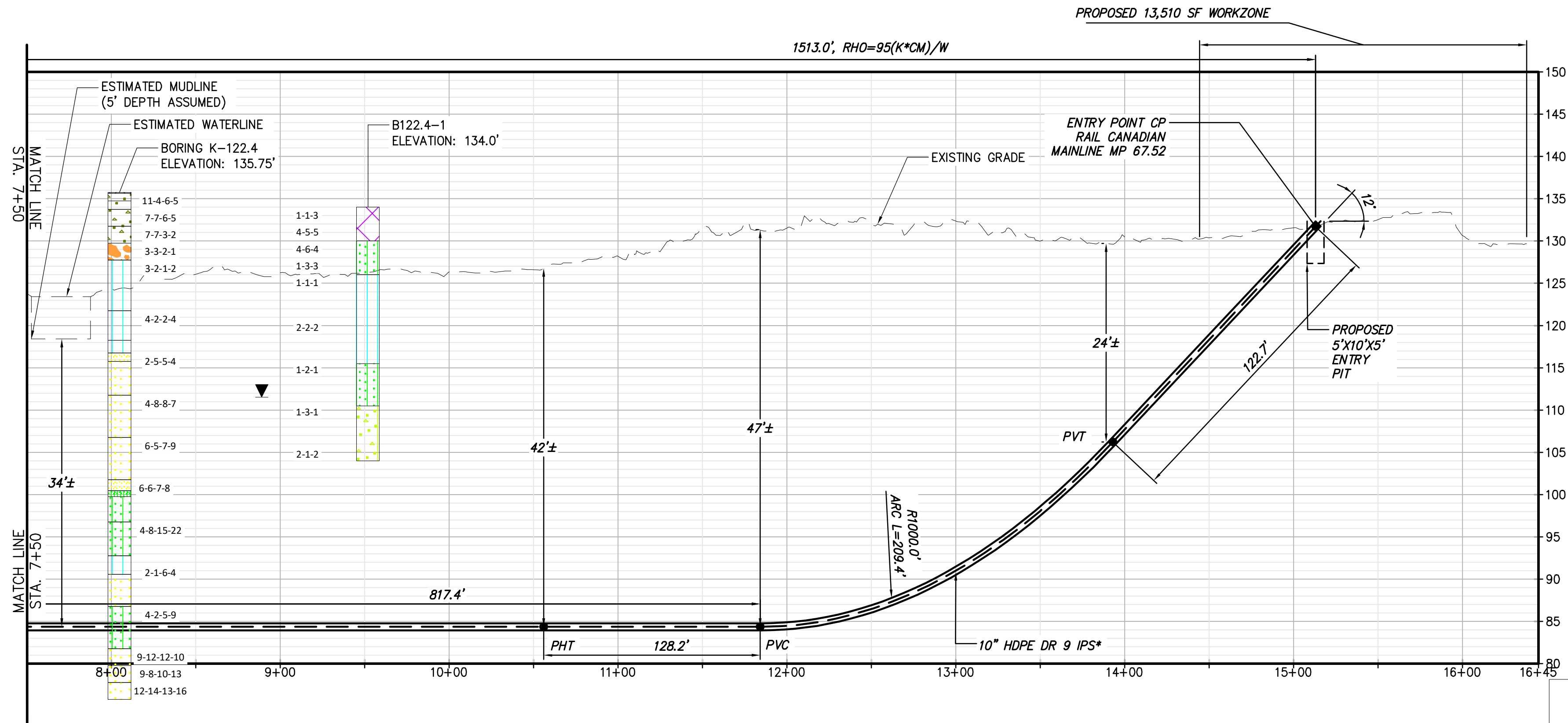
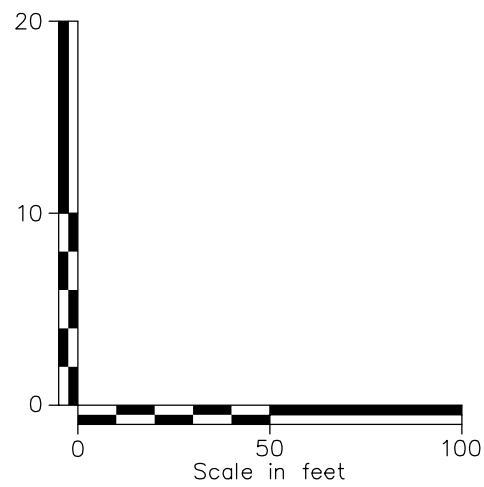
2D strip logs shown at 10x exaggeration

3D strip logs have no exaggeration

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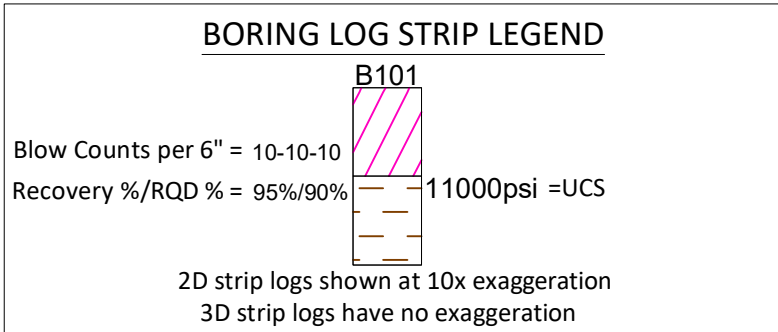


PROPOSED HDD 13 PLAN VIEW
CONDUIT 1

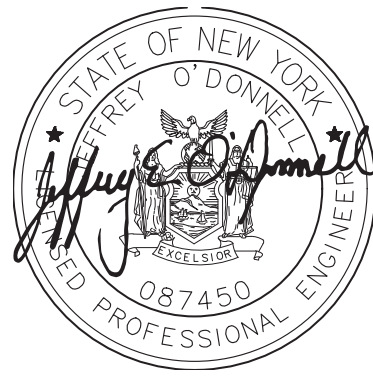


PROPOSED HDD 13 PROFILE
CONDUIT 1

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



Legend		
	ASPHALT	Asphalt
	Bedrock	Bedrock
	Boulder	Boulder
	CH	Fat CLAY
	CH-MH	SILTY Fat CLAY
	CL	Lean CLAY
	CL-ML	SILTY CLAY
	CD/CONCRETE	Concrete
	FILL	FILL
	GC	CLAYEY GRAVEL
	GC-GM	SILTY CLAYEY GRAVEL
	GM	SILTY GRAVEL
	GP	Poorly Graded GRAVEL
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	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
	USGS 708	Gneiss
	USGS 708	Gneiss
	USGS 718	Granite 1
	Void	Void
	Water	Water
	Weathered Rock	Undefined
	Water Table during drilling	Water Table during drilling
	Delayed Water Table	Water Table after drilling



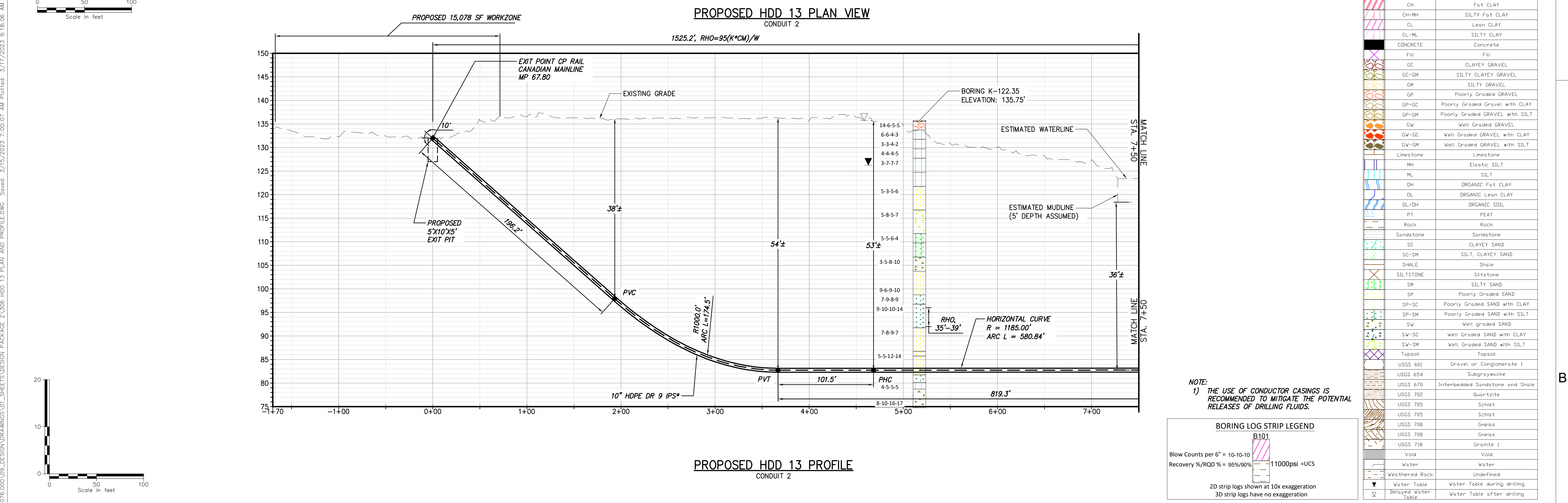
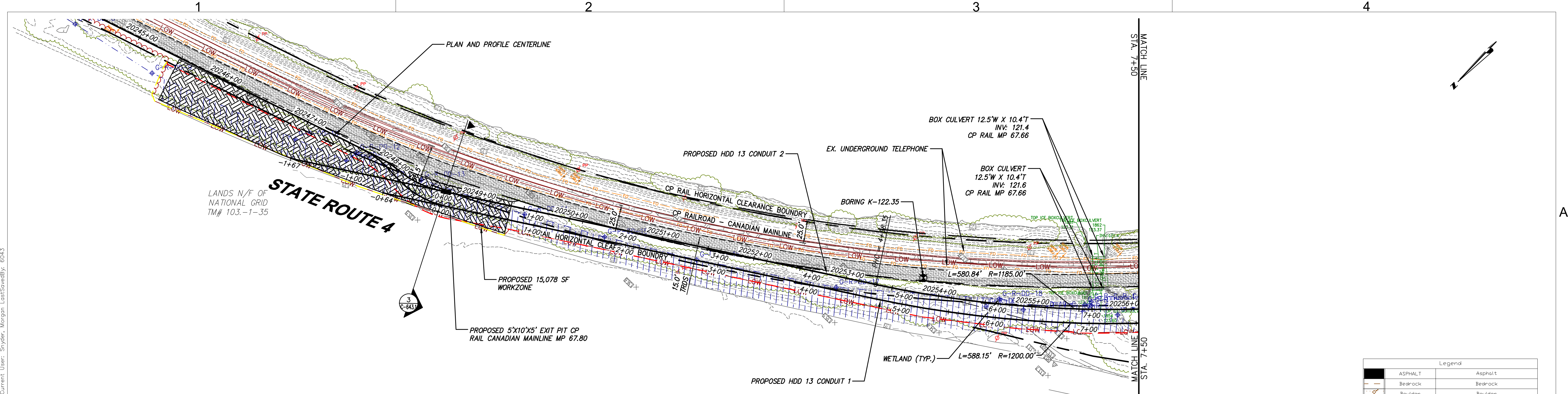
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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PLAN AND PROFILE - HDD 13, CONDUIT 1

DRAWN BY: MAR DESIGNED BY: MAR APPROVED BY: JEO SCALE AS NOTED DATE 03/22/2023

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



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 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
	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 during drilling	Water Table during drilling
	Water Table after drilling	Water Table after drilling

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

CHPE
Champlain Hudson
Power Express

Kiewit
SINCE 1888

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

STATE OF NEW YORK
J. J. J. J. J.
087450
PROFESSIONAL ENGINEER

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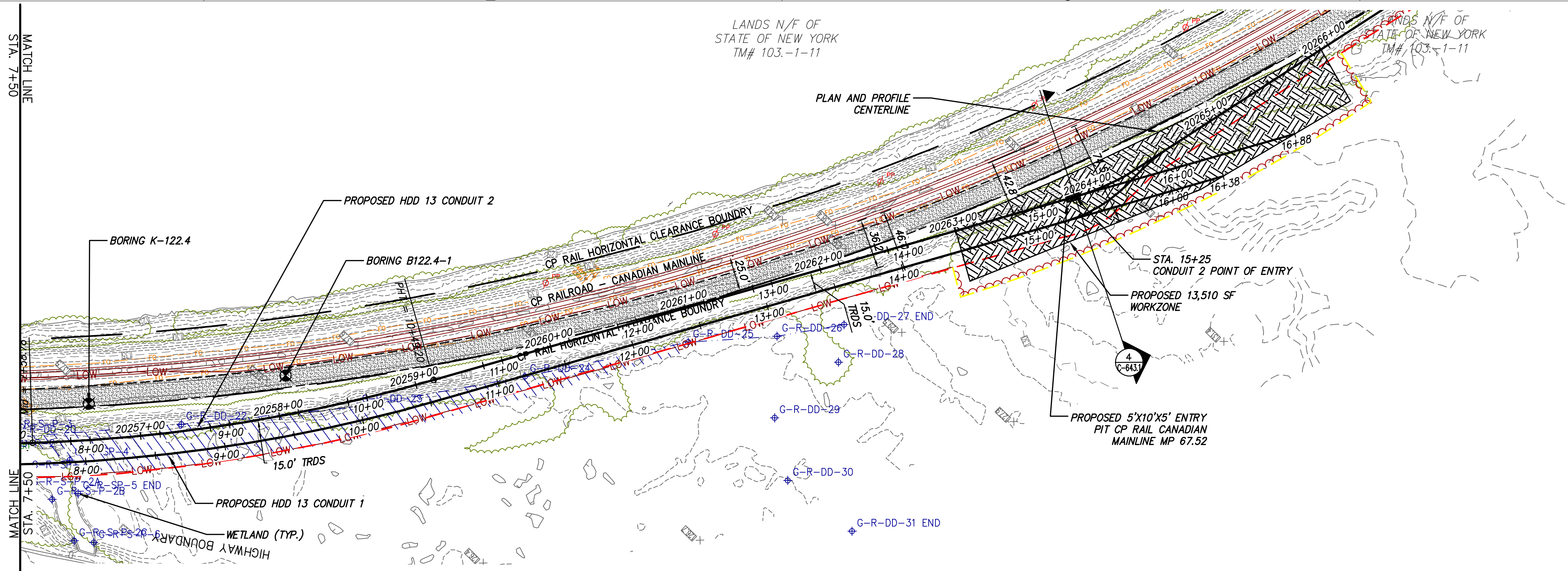
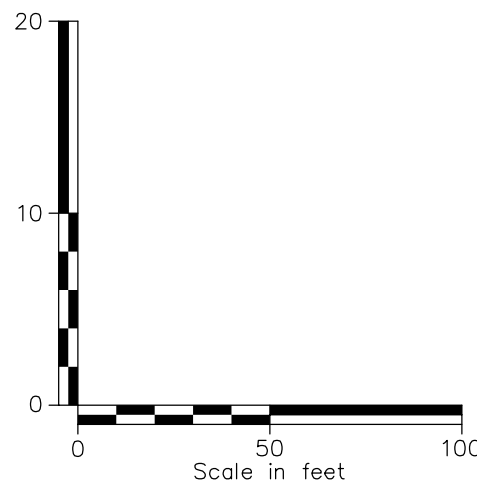
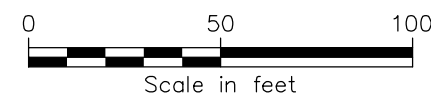
**CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PLAN AND PROFILE - HDD 13, CONDUIT 2**

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

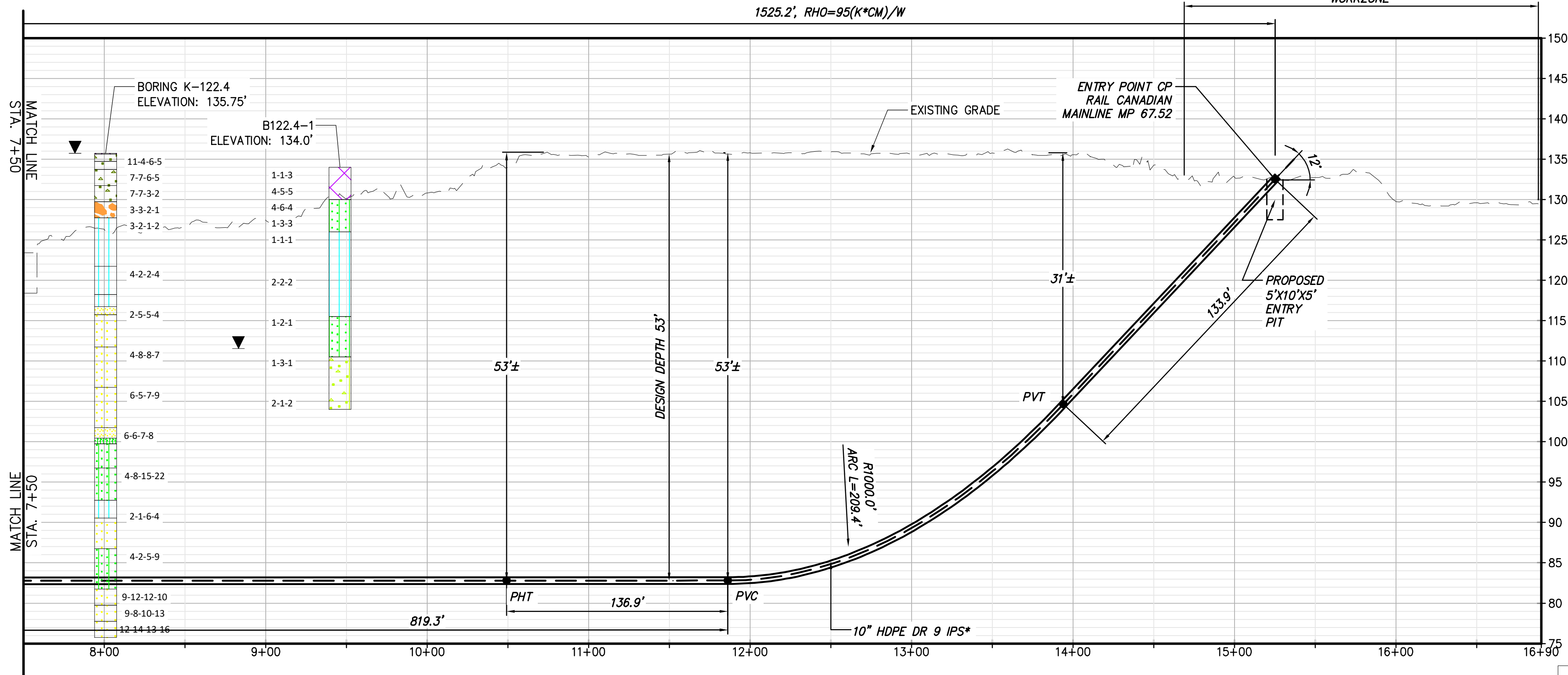
KIEWIT PROJECT NO. 21162
CHA PROJECT NO. 068076
DRAWING NO. **C-306A**

DATE 03/22/2023

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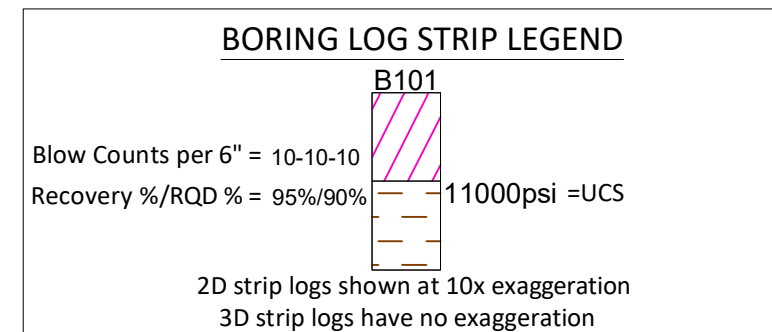


PROPOSED HDD 13 PLAN VIEW
CONDUIT 2

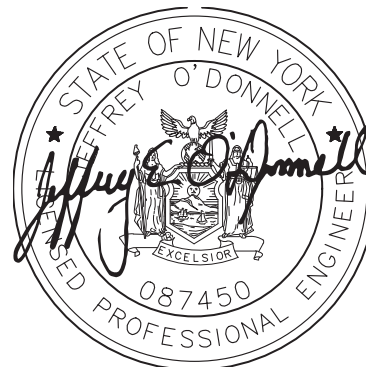


PROPOSED HDD 13 PROFILE
CONDUIT 2

NOTE:
1) THE USE OF CONDUCTOR CASINGS IS
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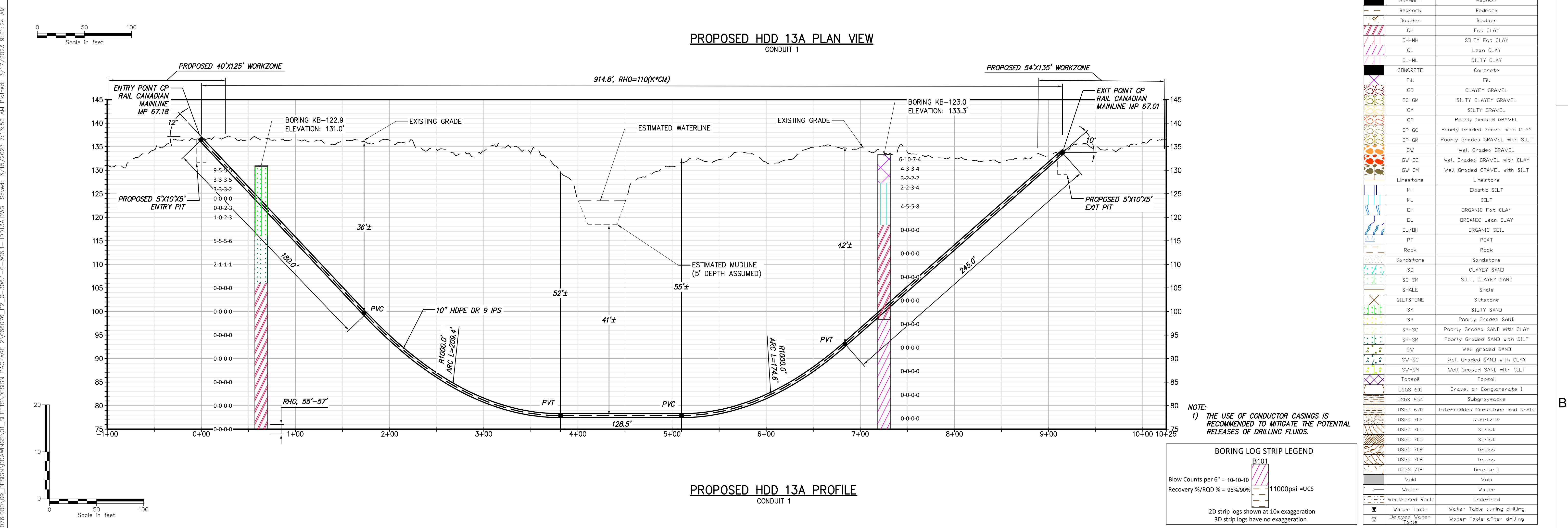
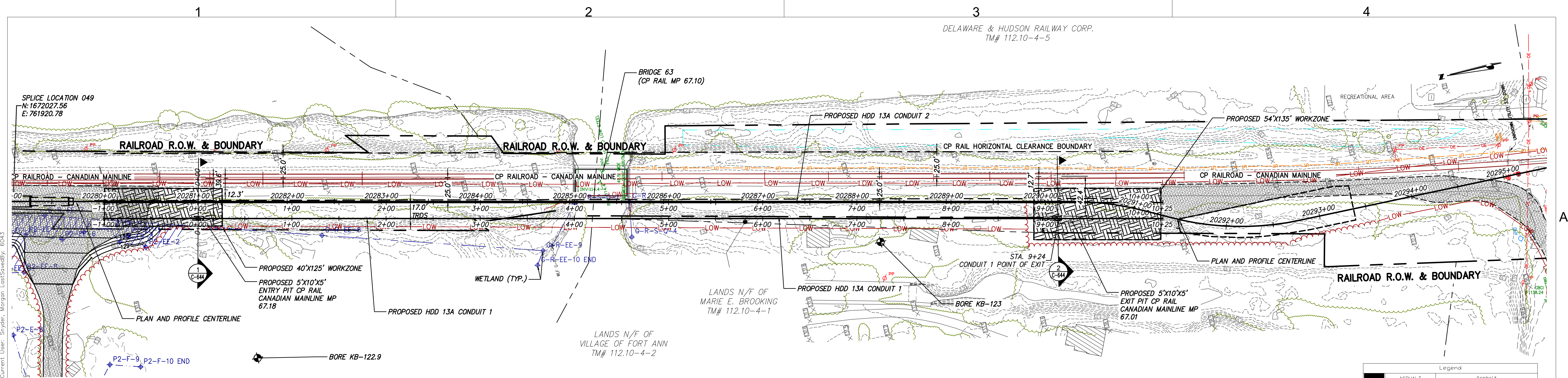
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SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PLAN AND PROFILE - HDD 13, CONDUIT 2

DRAWN BY: MAR DESIGNED BY: MAR APPROVED BY: JEO SCALE AS NOTED DATE 03/22/2023

KIEWIT PROJECT NO. 21162
CHA PROJECT NO. 066076
DRAWING NO. C-306A.1



Champlain Hudson Power Express

Kiewit

CHA

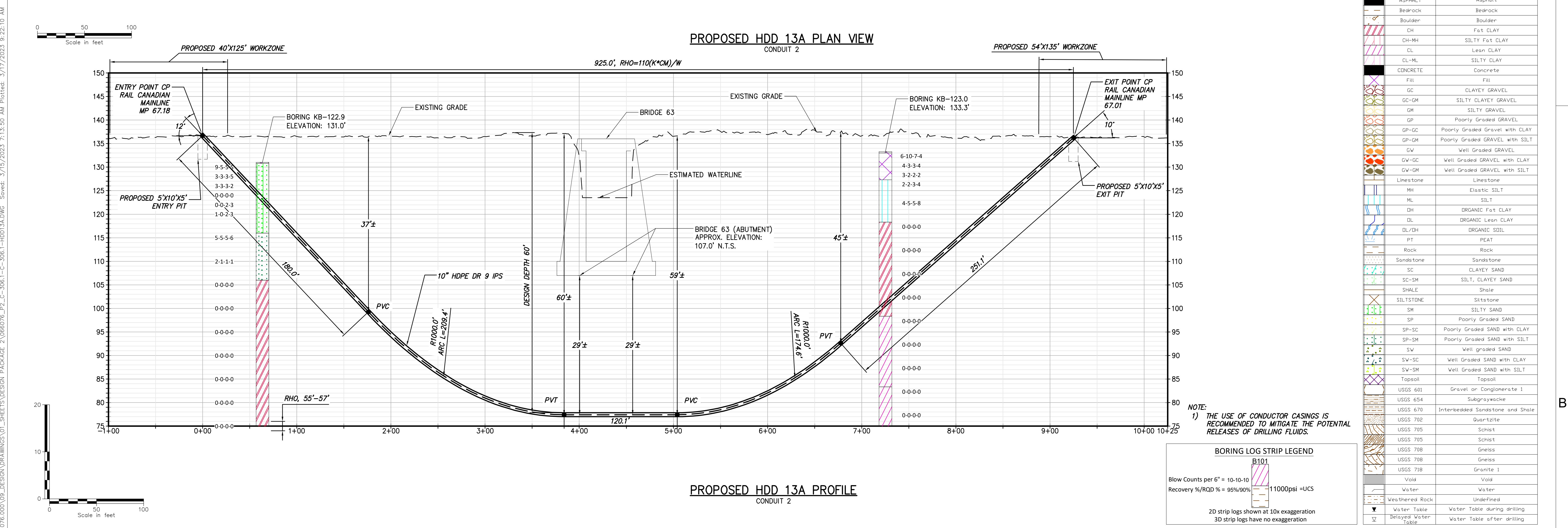
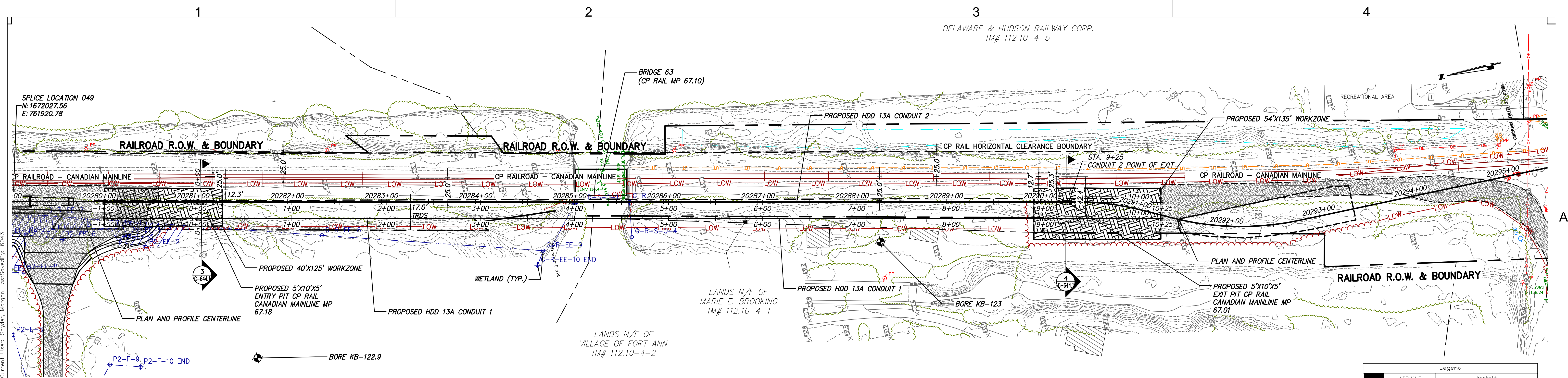
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**CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PLAN AND PROFILE - HDD 13A, CONDUIT 1**

DRAWN BY:	DESIGNED BY:	APPROVED BY:	SCALE	AS NOTED	DATE
JAS	JAS	JEO	REV. NO.	X	03/22/2023

**KIEWIT PROJECT NO. 21162
CHA PROJECT NO. 066076
DRAWING NO. C-307**





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CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 3 - PACKAGE 2 - FORT ANN TO KINGSBURY
PLAN AND PROFILE - HDD 13A, CONDUIT 2

DRAWN BY: JAS

DESIGNED BY: JAS

APPROVED BY: JEO

SCALE: AS NOTED

DATE: 03/22/2023

KIEWIT PROJECT NO. 21162
CHA PROJECT NO. 068076
DRAWING NO. C-307A

DATE: 03/22/2023