

ATTACHMENT 3
NRCS SOIL MAPS

Author: Cole Scrivner Date Saved: 5/9/2022

Legend

Segment 9 Alignment

Albany County Soils (NY001)

BuB

ChB

Fx

HuB; HuC; HuD; HuE

Ma

NuC

Pn

Ra

RhA; RhB

ScA; ScB


Uh

Uk


VaB

Wa

WcC



N



Page 1 of 2

0

0.5

1

Miles

Champlain Hudson Power Express

Segment 9 Package 5B NRCS Soil Map

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community. Soil data was obtained from the NRCS.

Author: Cole Scrivner Date Saved: 5/9/2022

Segment 9 Alignment

Albany County Soils (NY001)

CoB

ElA

EnA

Fx

HuB; HuC; HuD; HuE

Ra

RhA; RhB

St

Uf

Uh

Uk

N

Page 2 of 2

*Champlain Hudson Power Express
Segment 9 Package 5B NRCS Soil Map*

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community. Soil data was obtained from the NRCS.

ATTACHMENT 4
TABLES

Table 4-1
Summary of Wetlands Within the Project Corridor¹

| Approximate Station & DWG No. | Wetland ID | Cowardin Classification ² | Associated Water Course | Area w/in JD Limits Square Feet (sf) | USACE & NYSDEC Jurisdiction | Coordinates (lat., long) |
|----------------------------------|----------------------|--------------------------------------|--|--------------------------------------|-----------------------------|--------------------------|
| 51002+00 C-401 | B-1 | PEM | Unnamed Tributary to Hudson River | 1,410 | USACE | 42.579734, -73.874209 |
| 51006+00 C-401 | C-1 | PEM | Unnamed Tributary to Hudson River | 1,339 | USACE | 42.578542, -73.874115 |
| 51008+00 C-401 | C-2 | PEM | Unnamed Tributary to Hudson River | 3,016 | USACE | 42.578374, -73.8739 |
| 51026+00 C-402 | D-1 ³ | PEM | Unnamed Tributary to Hudson River | 80,813 | USACE | 42.569806, -73.866473 |
| 51069+00 to 51094+00 C-403 | 12.14 A ³ | PEM | Unnamed Tributary to Hudson River | 135646 | USACE | 42.561272, -73.857344 |
| 51095+00 C-404 | 12.14 B | PEM | Unnamed Tributary to Hudson River (S8) | 67 | USACE | 42.561083, -73.856152 |
| 51124+00 C-405 | H-1 | PEM | Unnamed Tributary to Hudson River | 25280 | USACE | 42.55838, -73.846253 |
| 51128+00 C-405 | I-1 | PEM | Unnamed Tributary to Hudson River | 2,302 | USACE | 42.557324, -73.84578 |
| 51134+00 C-405 | G-1 | PEM | Unnamed Tributary to Hudson River | 6132 | USACE | 42.555576, -73.845367 |
| 51155+00 C-406 | E | PEM | Unnamed Tributary to Hudson River | 5,759 | USACE | 42.549772, -73.844625 |
| 51158+00 C-406 | F-1 | PEM | Unnamed Tributary to Hudson River | 3,615 | USACE | 42.549435, -73.844541 |
| 51184+25 C-407 | 12.14 C ³ | PEM | Unnamed Tributary to Hudson River | 10894 | USACE | 42.546086, -73.8383 |

Table 4-1
Summary of Wetlands Within the Project Corridor¹

| Approximate Station & DWG No. | Wetland ID | Cowardin Classification ² | Associated Water Course | Area w/in JD Limits Square Feet (sf) | USACE & NYSDEC Jurisdiction | Coordinates (lat., long) |
|---|-------------------|--------------------------------------|-----------------------------------|--------------------------------------|-----------------------------|--------------------------|
| Access Road at 51166+75 Road station: 13+00 C-201 | 5B-A ³ | PEM | Unnamed Tributary to Hudson River | 0 | USACE | 42.548096 -73.841684 |
| Access Road at 51166+75 Road station: 15+00 C-201 | 5B-B ³ | PEM | Unnamed Tributary to Hudson River | 0 | USACE | 42.548408 -73.840895 |
| Access Road at 51166+75 Road station: 15+00 C-201 | 5B-C ³ | PEM | Unnamed Tributary to Hudson River | 0 | USACE | 42.548191 -73.840616 |
| Access Road at 51166+75 Road station: 19+50 C-201 | 5B-D ³ | PSS | Unnamed Tributary to Hudson River | 0 | USACE | 42.548975 -73.840164 |
| Access Road at 51166+75 Road station: 22+75 C-201 | 5B-E ³ | PUB | Unnamed Tributary to Hudson River | 0 | USACE | 42.549155 -73.839143 |
| Access Road at 51166+75 Road station: 22+75 & 31+00 C-201 | 5B-F ³ | PSS | Unnamed Tributary to Hudson River | 0 | USACE | 42.548958 -73.839076 |
| | | PEM | | 0 | | |
| Access Road at 51166+75 Road station: 26+00 C-202 | 5B-G ³ | PEM | Unnamed Tributary to Hudson River | 0 | USACE | 42.549043 -73.837214 |

| Table 4-1 Summary of Wetlands Within the Project Corridor ¹ | | | | | | |
|---|--------------------|--------------------------------------|-----------------------------------|---|-----------------------------|--------------------------|
| Approximate Station & DWG No. | Wetland ID | Cowardin Classification ² | Associated Water Course | Area w/in JD Limits Square Feet (sf) | USACE & NYSDEC Jurisdiction | Coordinates (lat., long) |
| Access Road at 51166+75 Road station: 31+00 C-202 | 5B-H ³ | PEM/PFO | Unnamed Tributary to Hudson River | 0 | USACE | 42.547663 -73.834426 |
| 51171+75 C-112 & C-407 | 5B-I ³ | PEM | Unnamed Tributary to Hudson River | 0 | USACE | 42.545628 -73.841544 |
| 51191+00 C-407 | FA ³ | PEM/PSS/PFO | Unnamed Tributary to Hudson River | PEM 345720/ PSS 250970/ PFO 231613 | USACE | 42.54437, -73.828821 |
| Access Road at 51226+00 Road station: 25+00 C-205 | P5B-Z ³ | PEM | Unnamed Tributary to Hudson River | 0 | USACE | 42.54386, -73.82464 |
| Access Road at 51226+00 Road station: 20+50 C-204 | P5B-Y ³ | PEM | Unnamed Tributary to Hudson River | 0 | USACE | 42.54.509, -73.82632 |
| 51248+00 C-409 | P5-AA ³ | PSS | Unnamed Tributary to Hudson River | 0 | USACE | 42.538825, -73.819139 |
| 51250+00 C-409 | GA | PEM/PFO | Unnamed Tributary to Hudson River | PEM 27856/ PFO 29,155 | USACE | 42.538925, -73.818573 |
| 51254+00 C-409 | HA | PFO | Unnamed Tributary to Hudson River | 299,347 | USACE | 42.538158, -73.814288 |
| 51258+00 C-409 | P5-Z ³ | PFO | Unnamed Tributary to Hudson River | 0 | USACE | 42.537897, -73.815686 |

| Table 4-1 Summary of Wetlands Within the Project Corridor ¹ | | | | | | |
|---|--------------------|--------------------------------------|-----------------------------------|--------------------------------------|-----------------------------|--------------------------|
| Approximate Station & DWG No. | Wetland ID | Cowardin Classification ² | Associated Water Course | Area w/in JD Limits Square Feet (sf) | USACE & NYSDEC Jurisdiction | Coordinates (lat., long) |
| 51261+50 C-409 | P5-BB ³ | PEM | - | 0 | USACE | 42.537892, -73.814172 |
| 51267+75 C-410 | P5-CC ³ | PSS | Unnamed Tributary to Hudson River | 0 | USACE | 42.537628, -73.812708 |
| 51268+00 C-410 | IA | PEM/PFO | Unnamed Tributary to Hudson River | PEM 15429/ PFO 190182 | USACE | 42.537154, -73.810181 |
| 51268+00 C-410 | P5-Y ³ | PFO | Unnamed Tributary to Hudson River | 0 | USACE | 42.77969, -73.99071 |

¹Wetlands identified include both wetlands that are directly crossed by the overland transmission cable corridor as well as wetlands that are adjacent to the Project Corridor that were delineated during field surveys.

²Cowardin et al. 1979 categories include: Palustrine Emergent (PEM), Palustrine Forested (PFO), Palustrine Scrub-Shrub (PSS) and palustrine unconsolidated bottom (PUB).

³Wetland boundaries on the plans in Attachment 5 are approximate, based on field delineation, but have not been surveyed. These wetlands will be surveyed and mapped prior to construction.

Table 4-2
Summary of Waterbodies within the Project Corridor

| Approx Station & DWG No. | Waterbody Name | NYSDEC Classification | Waterbody Field ID & NYSDEC Regulation | Flow Status | Substrate | Width (ft.) ¹ | Depth (ft.) ¹ | Length w/in JD Boundary | Coordinates (lat., long) |
|--------------------------|-----------------------------------|-----------------------|--|--------------|---------------------|--------------------------|--------------------------|-------------------------|--------------------------|
| 51009+75 C-401 | Unnamed Tributary to Hudson River | C/C | S7 863-543.1 | Intermittent | NA | 5 | NA | 17 | 42.578147, -73.873648 |
| 51095+00 C-404 | Unnamed Tributary to Hudson River | C/C | S8 863-561 | Intermittent | NA | NA | NA | 27 | 42.561088, -73.856165 |
| 51108+60 C-404 | Unnamed Tributary to Hudson River | C/C | S10 | Perennial | NA | 3 | 0.5 | 73 | 42.560339, -73.851175 |
| 51114+00 C-404 | Unnamed Tributary to Hudson River | C/C | Sketched Stream 863-561 | Perennial | NA | NA | NA | NA | 42.56026, -73.84933 |
| 51147+00 C-406 | Unnamed Tributary to Hudson River | C/C | Sketched Stream 863-561 | Perennial | NA | NA | NA | NA | 42.5604, -73.8505 |
| 51155+50 C-406 | Unnamed Tributary to Hudson River | C/C | Sketched Stream 863-561 | Perennial | NA | NA | NA | 450 | 42.55246, -73.84556 |
| 51166+75 C-201 | Unnamed Tributary to Hudson River | C/C | 5B-S1 863-543.1 | Perennial | Mineral soil/cobble | 16 | 1.5 | — | 42.548091. -73.841448 |
| 51185+60 C-407 | Coeymans Creek | C/C | Coeymans Creek | Perennial | NA | 10 | NA | 231 | 42.546098, -73.838141 |

| | | | | | | | | | |
|-------------------|---|-----|---------------|-----------|----|----|----|----|--------------------------|
| | | | 863-543.1 | | | | | | |
| 51244+00 C-409 | Unnamed Tributary to Hudson River | C/C | S9 863-544 | Perennial | NA | 45 | NA | 65 | 42.539469, -73.820774 |

¹ Bankfull width and bankfull depth measurements were estimated in the field.

Table 4-3
Soil Description Summary

| County | Soil Name | Symbol | % Slopes | Hydric (y/n) | Drainage Class |
|-------------------------|--|---------------|-----------------|-------------------------|------------------------------|
| Hydric Soils | | | | | |
| Albany | Fluvaquents-Udifulvents complex, frequently flooded | Fx | 0-3 | Y | Poorly Drained |
| Albany | Madalin silt loam | Ma | 0-3 | Y | Poorly Drained |
| Albany | Raynham very fine sandy loam | Ra | 0-3 | Y | Poorly Drained |
| Albany | Shaker fine sandy loam | Sh | 0-3 | Y | Poorly Drained |
| Non-hydric Soils | | | | | |
| Albany | Burdett silt loam | BuA | 0-3 | N | Somewhat Poorly Drained |
| Albany | Burdett silt loam | BuB | 3-8 | N | Somewhat Poorly Drained |
| Albany | Chenango gravelly silt loam, loamy substratum | ChB | 3-8 | N | Well Drained |
| Albany | Chenango gravelly silt loam, loamy substratum, rolling | ChC | 8-15 | N | Well Drained |
| Albany | Chenango gravelly silt loam, loamy substratum, hilly | ChD | 15-25 | N | Well Drained |
| Albany | Claverack loamy fine sand | CIA | 0-3 | N | Moderately Well Drained |
| Albany | Claverack loamy fine sand | CIB | 3-8 | N | Moderately Well Drained |
| Albany | Colonie loamy fine sand | CoB | 3-8 | N | Well Drained |
| Albany | Colonie loamy fine sand, rolling | CoC | 8-15 | N | Somewhat Excessively Drained |
| Albany | Colonie loamy fine sand, hilly | CoD | 15-25 | N | Somewhat Excessively Drained |
| Albany | Elmridge fine sandy loam | EIA | 0-3 | N | Moderately Well Drained |
| Albany | Elmridge fine sandy loam | EIB | 0-3 | N | Moderately Well Drained |
| Albany | Elnora loamy fine sand | EnA | 0-3 | N | Moderately Well Drained |

Table 4-3
Soil Description Summary

| County | Soil Name | Symbol | % Slopes | Hydric (y/n) | Drainage Class |
|---------------|---------------------------------------|---------------|-----------------|-------------------------|------------------------------|
| Albany | Elnora loamy fine sand | EnB | 3-8 | N | Moderately Well Drained |
| Albany | Hudson silt loam | HuB | 3-8 | N | Moderately Well Drained |
| Albany | Hudson silt loam | HuC | 8-15 | N | Moderately Well Drained |
| Albany | Hudson silt loam, hilly | HuD | 15-25 | N | Moderately Well Drained |
| Albany | Hudson silt loam | HuE | 25-45 | N | Moderately Well Drained |
| Albany | Nunda silt loam | NuB | 3-8 | N | Moderately Well Drained |
| Albany | Nunda silt loam | NuC | 8-15 | N | Moderately Well Drained |
| Albany | Nunda silt loam | NuD | 15-25 | N | Moderately Well Drained |
| Albany | Nunda silt loam | NuE | 25-35 | N | Moderately Well Drained |
| Albany | Pits, quarry | Pn | - | - | - |
| Albany | Rhinebeck silty clay loam | RhA | 0-3 | N | Somewhat Poorly Drained |
| Albany | Rhinebeck silty clay loam | RhB | 3-8 | N | Somewhat Poorly Drained |
| Albany | Scio silt loam | ScA | 0-3 | N | Moderately Well Drained |
| Albany | Scio silt loam | ScB | 3-8 | N | Moderately Well Drained |
| Albany | Stafford loamy fine sand | St | 0-3 | N | Somewhat Poorly Drained |
| Albany | Udipsamments, smoothed | Ud | 0-45 | - | Well Drained |
| Albany | Udipsamments-Urban land complex | Uf | 0-8 | - | Somewhat Excessively Drained |
| Albany | Udorthents, clayey-Urban land complex | Uh | 0-8 | - | Moderately Well Drained |
| Albany | Udorthents, loamy-Urban land complex | Uk | 0-8 | - | Well Drained |
| Albany | Valois gravelly loam | VaB | 3-8 | N | Well Drained |
| Albany | Valois gravelly loam | VaC | 8-15 | N | Well Drained |

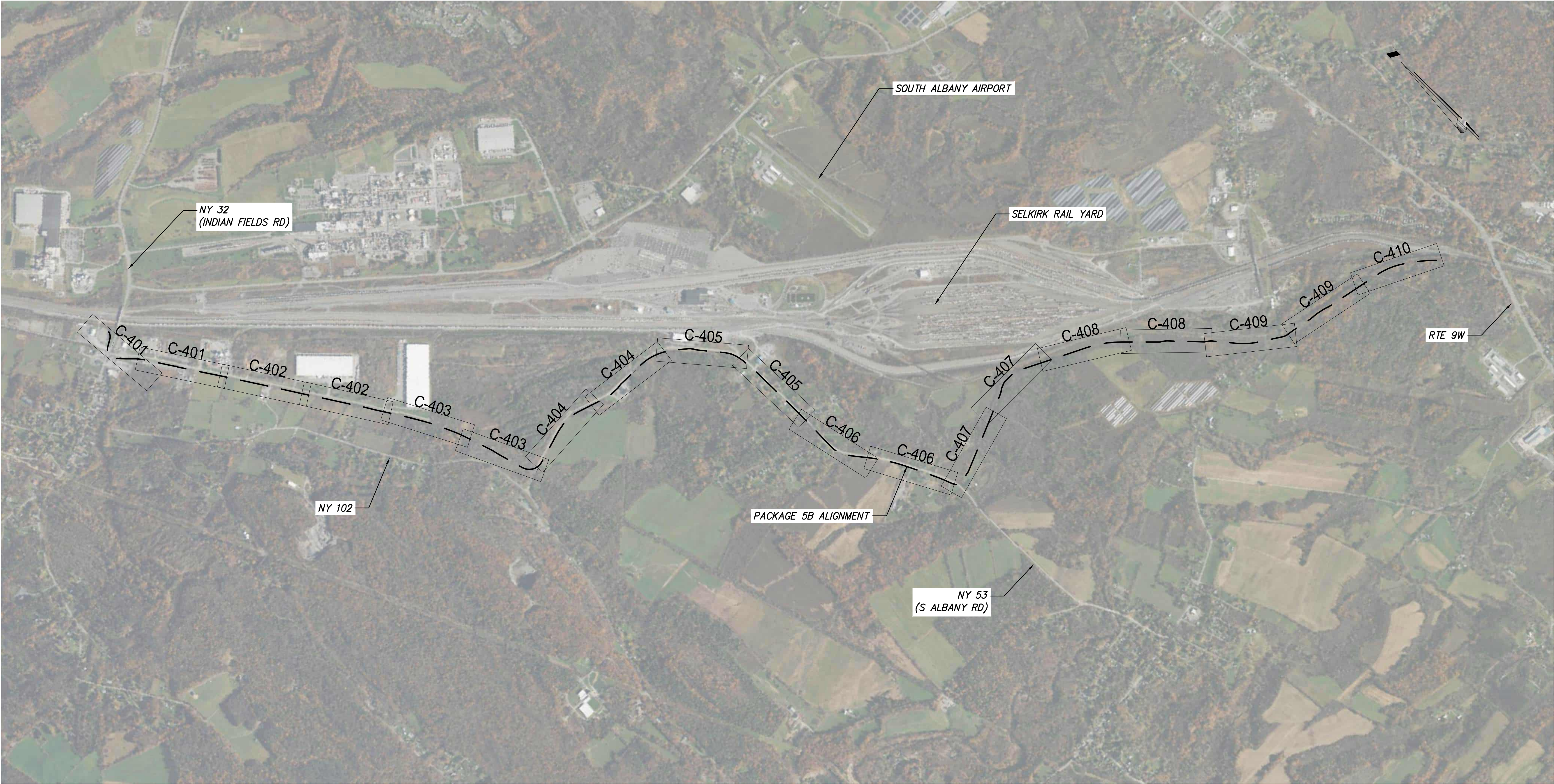
Table 4-3
Soil Description Summary

| County | Soil Name | Symbol | % Slopes | Hydric (y/n) | Drainage Class |
|---------------|--------------------|---------------|-----------------|-------------------------|-------------------------|
| Albany | Wakeland silt loam | Wa | 0-3 | N | Somewhat Poorly Drained |
| Albany | Wassaic silt loam | WcB | 3-8 | N | Moderately Well Drained |
| Albany | Wassaic silt loam | WcC | 8-15 | N | Moderately Well Drained |

ATTACHMENT 5
WETLANDS AND WATERBODIES DELINEATION MAPPING

A

B



E&SC KEY PLAN
SCALE: 1" = 1000'



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

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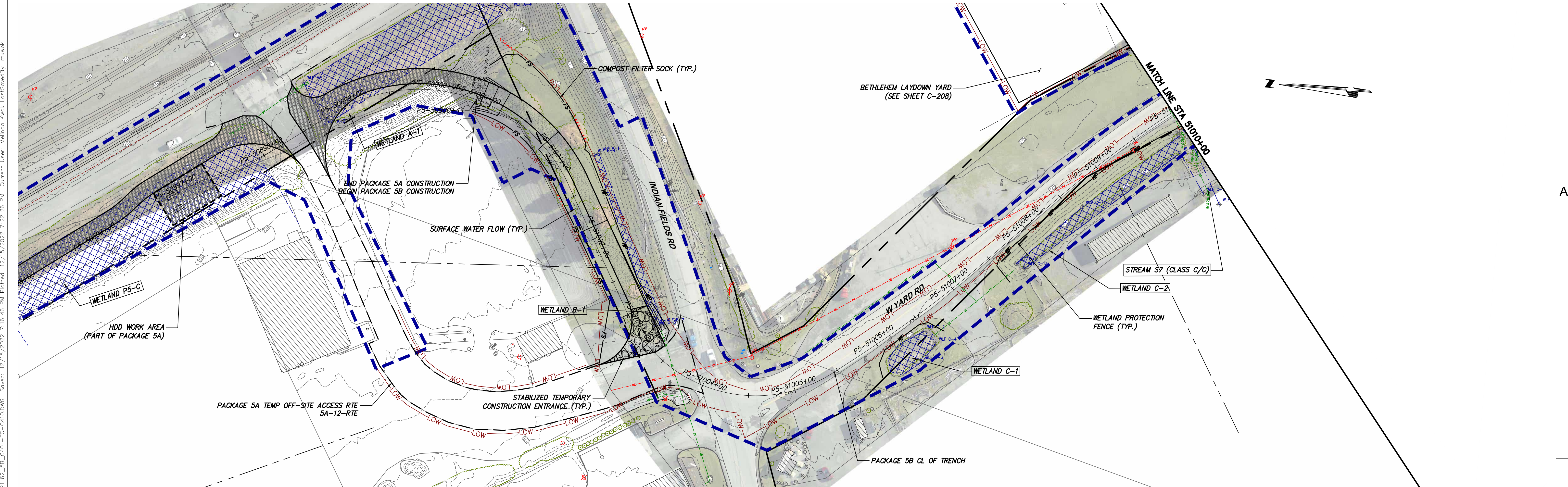
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 9 (PACKAGE 5B) - CSX: SELKIRK RAIL YARD BYPASS

E&SC KEY PLAN

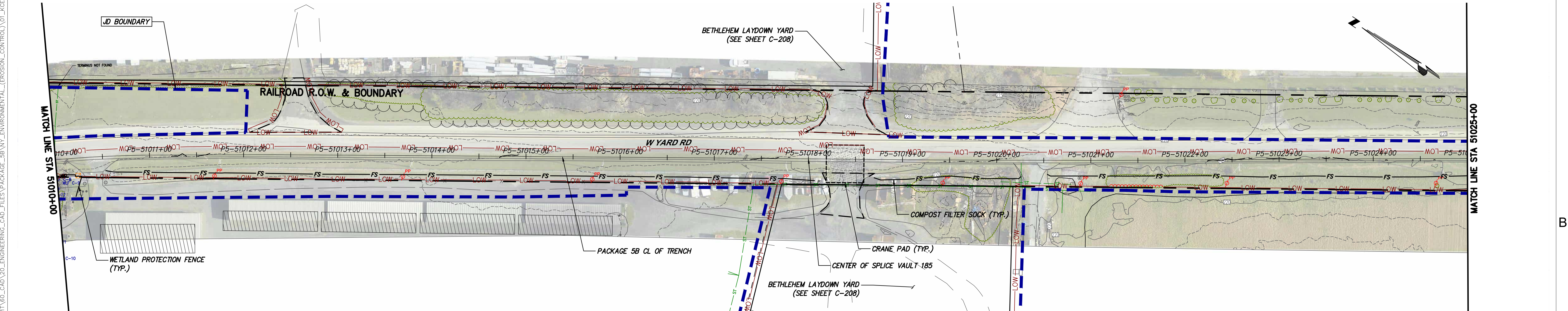
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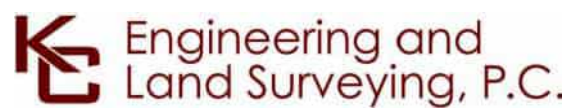
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STA. 51000+00 TO STA. 51010+00 PLAN VIEW
SCALE: 1" = 50'



STA. 51010+00 TO STA. 51025+00 PLAN VIEW
SCALE: 1" = 50'



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

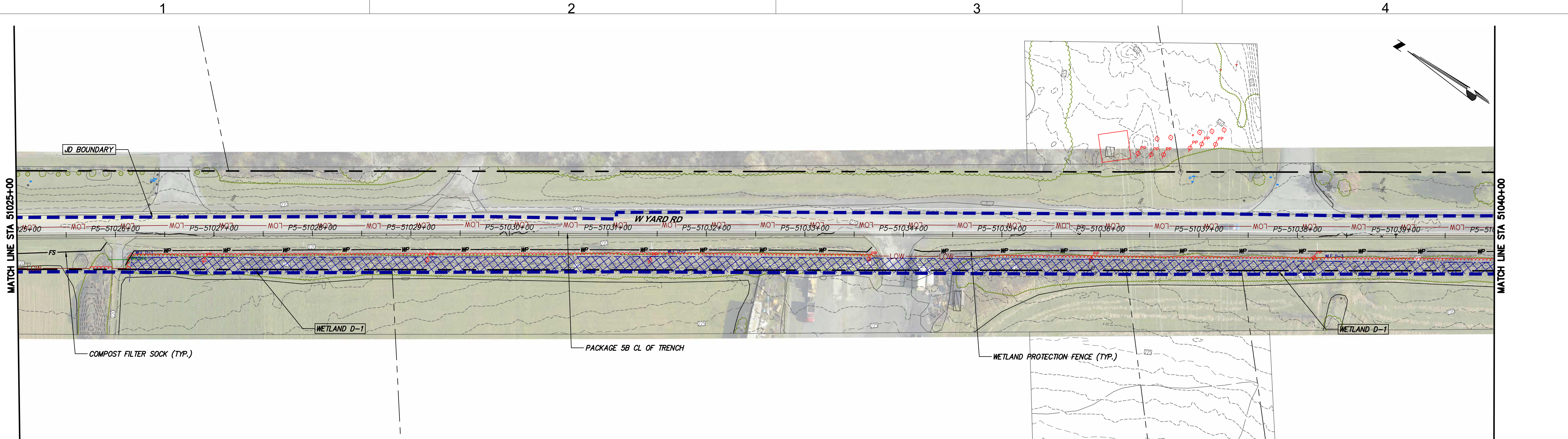
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CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 9 (PACKAGE 5B) - CSX: SELKIRK RAIL YARD BYPASS
EROSION AND SEDIMENT CONTROL PLAN
STA. 51000+00 TO STA. 51025+00

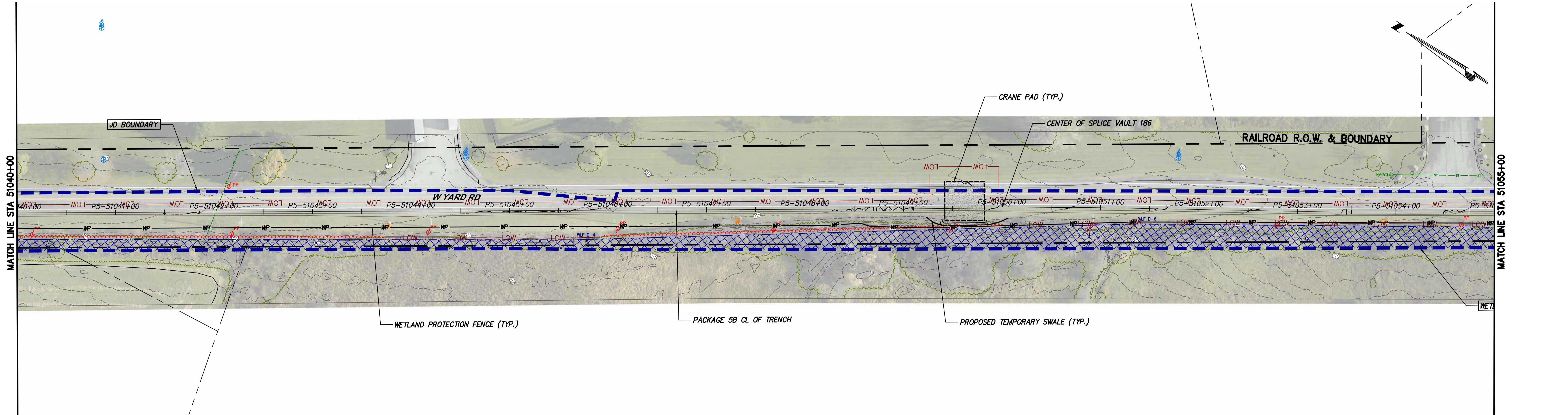
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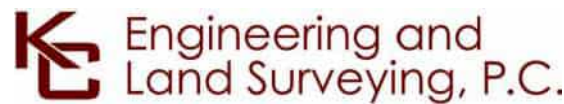
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STA. 51025+00 TO STA. 51040+00 PLAN VIEW
SCALE: 1" = 50'



STA. 51040+00 TO STA. 51055+00 PLAN VIEW
SCALE: 1" = 50'



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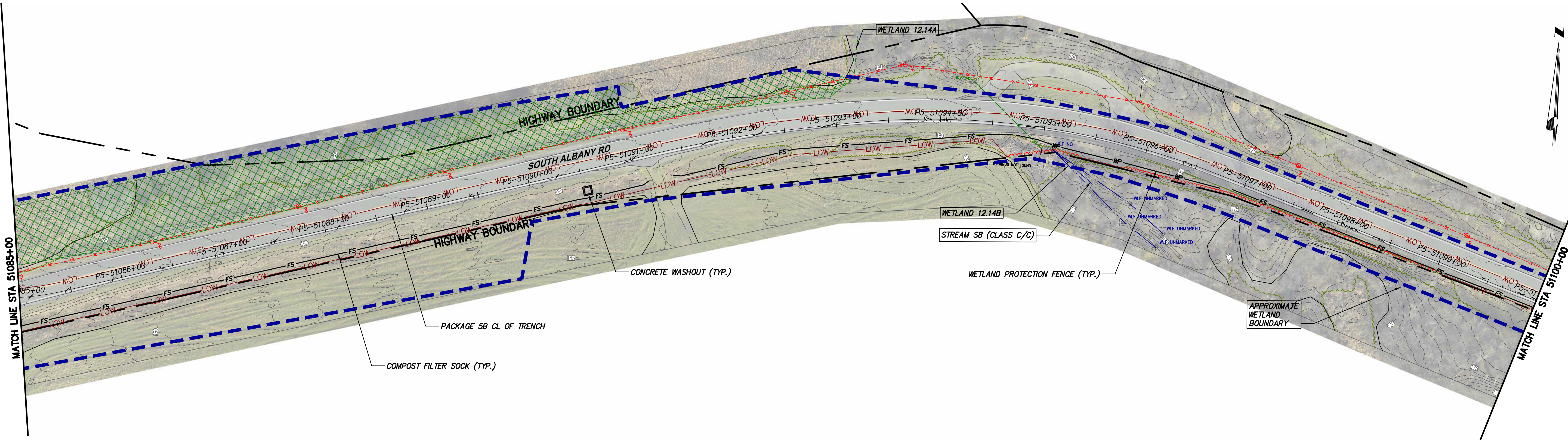
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CHAMPLAIN HUDSON POWER EXPRESS
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EROSION AND SEDIMENT CONTROL PLAN

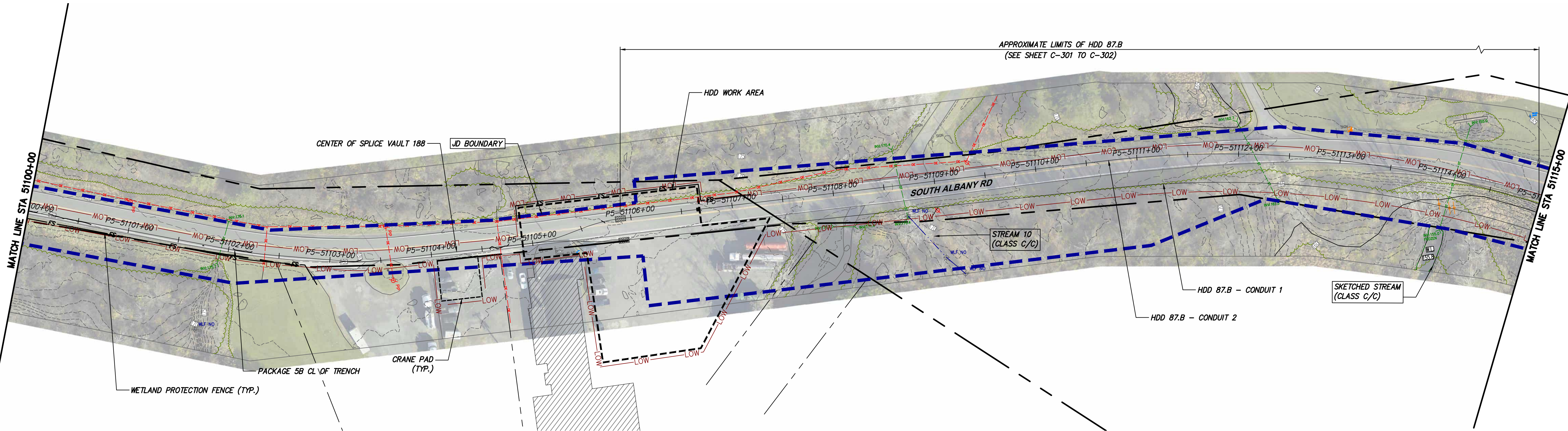
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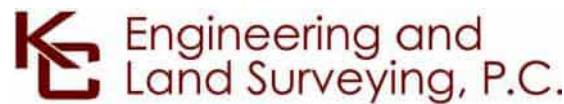
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STA. 51085+00 TO STA. 51100+00 PLAN VIEW
SCALE: 1" = 50'



STA. 51100+00 TO STA. 51115+00 PLAN VIEW
SCALE: 1" = 50'



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

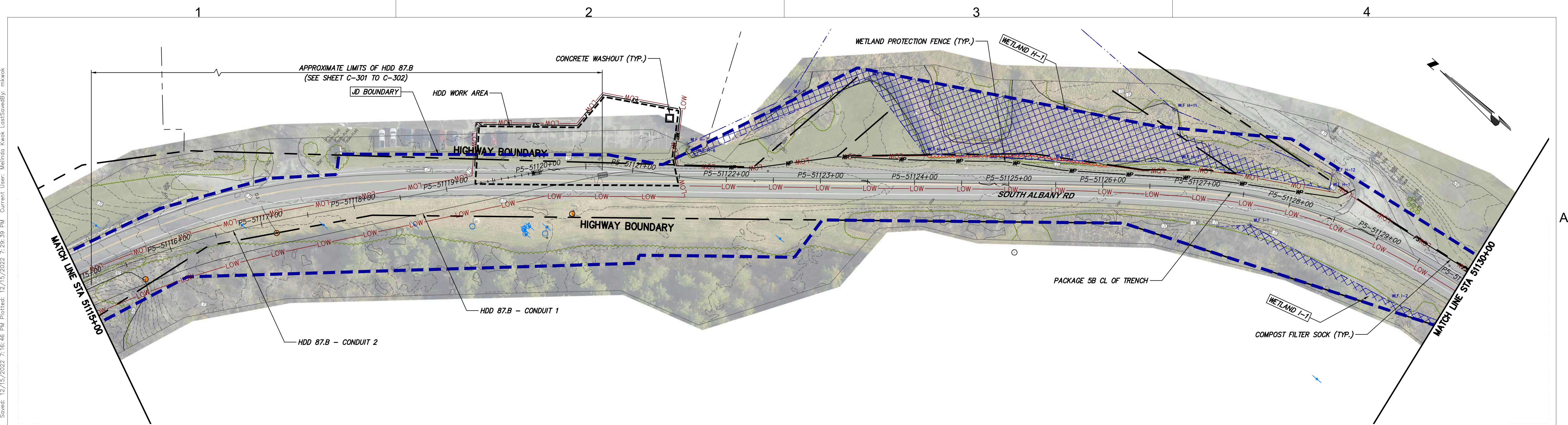
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CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 9 (PACKAGE 5B) - CSX: SELKIRK RAIL YARD BYPASS
STA. 51085+00 TO STA. 51115+00
EROSION AND SEDIMENT CONTROL PLAN

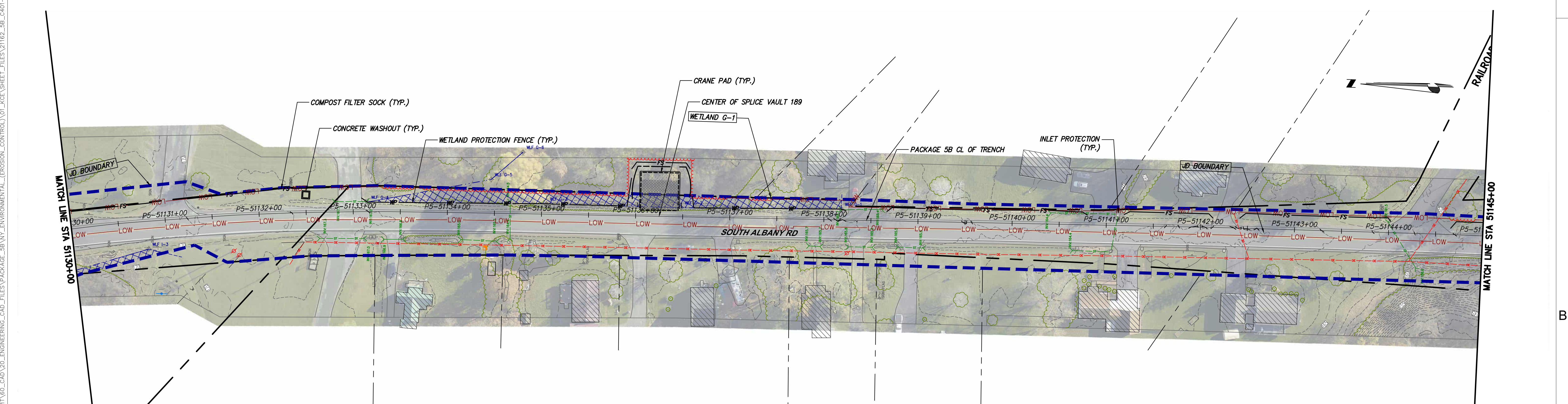
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| DRAWN BY: | MK | DESIGNED BY: | MK | APPROVED BY: | NH | SCALE | AS SHOWN | DATE | 12/16/2022 |
| | | | | | | REV. NO. | A | SH. NO. | OF |

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| KIEWIT PROJECT NO. | 21162 |
| KC PROJECT NO. | 120174 |
| DRAWING NO. | C-404 |
| DATE | 12/16/2022 |
| SH. NO. | OF |

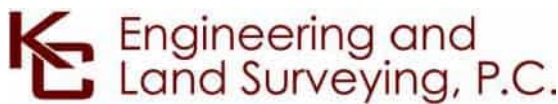
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STA. 51115+00 TO STA. 51130+00 PLAN VIEW
SCALE: 1" = 50'



STA. 51130+00 TO STA. 51145+00 PLAN VIEW
SCALE: 1" = 50'



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

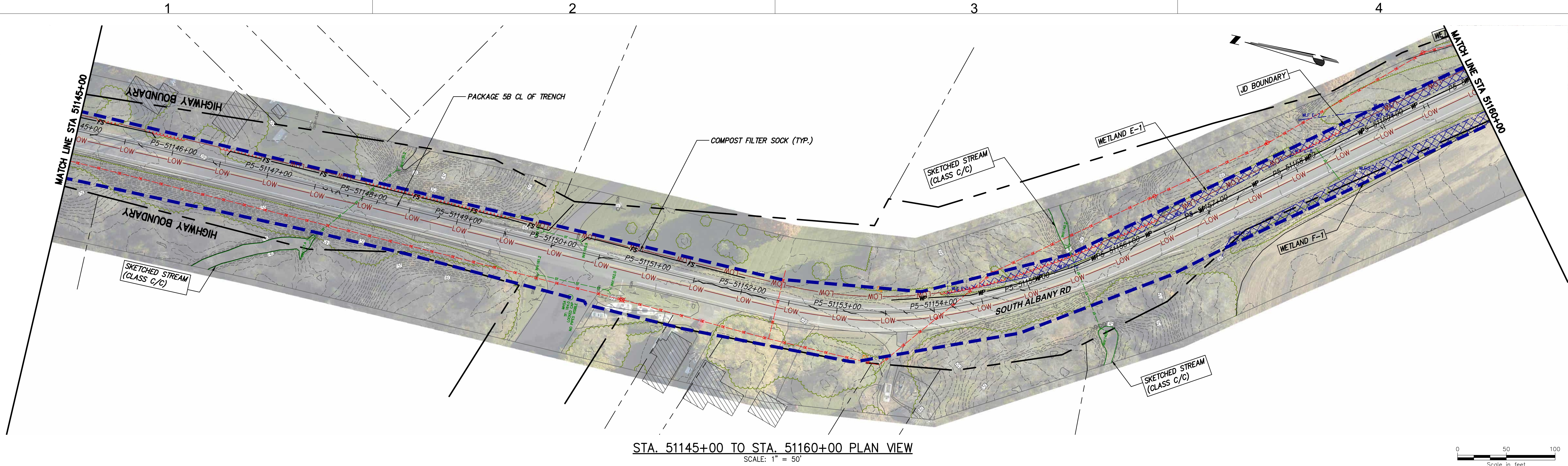
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| A | 12/16/2022 | FINAL SUBMISSION | MK | NH | |
| No. | DATE | SUBMITTAL / REVISION DESCRIPTION | DB | APP | |

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 9 (PACKAGE 5B) - CSX: SELKIRK RAIL YARD BYPASS
STA. 51115+00 TO STA. 51145+00
EROSION AND SEDIMENT CONTROL PLAN

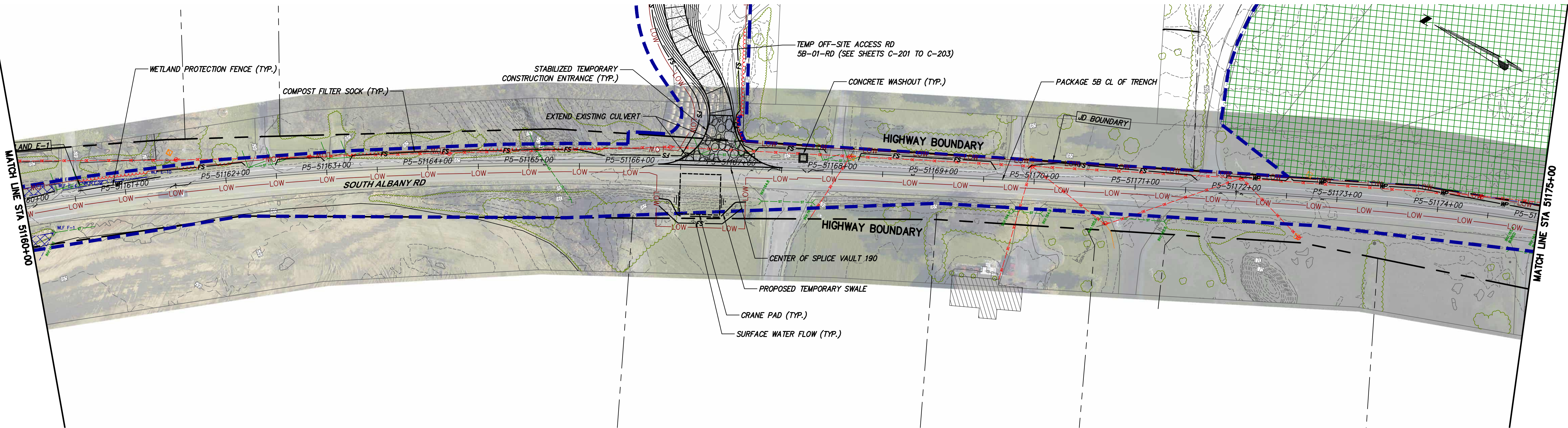
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| DRAWN BY: | MK | DESIGNED BY: | MK | APPROVED BY: | NH | SCALE | AS SHOWN | DATE | 12/16/2022 |
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| KIEWIT PROJECT NO. | 21162 |
| KC PROJECT NO. | 120174 |
| DRAWING NO. | C-405 |
| DATE | 12/16/2022 |
| SH. NO. | OF |

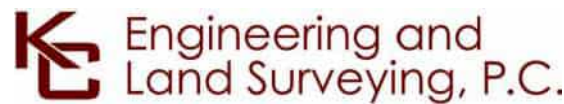
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STA. 51145+00 TO STA. 51160+00 PLAN VIEW
SCALE: 1" = 50'



STA. 51160+00 TO STA. 51175+00 PLAN VIEW
SCALE: 1" = 50'



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

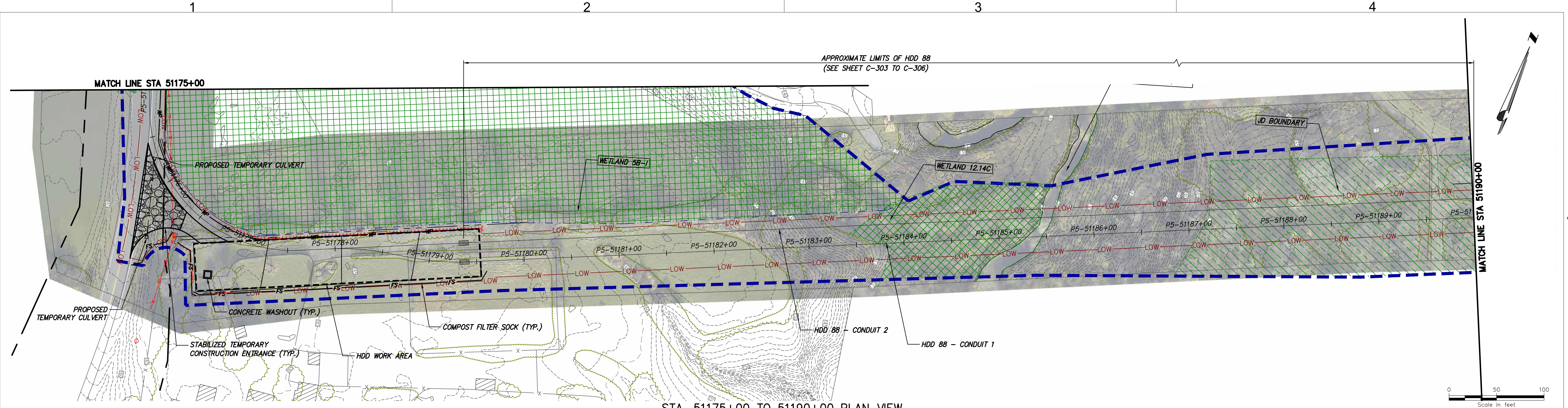
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| A | 12/16/2022 | FINAL SUBMISSION | MK | NH | |
| No. | DATE | SUBMITTAL / REVISION DESCRIPTION | DB | APP | |

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 9 (PACKAGE 5B) - CSX: SELKIRK RAIL YARD BYPASS
STA. 51145+00 TO STA. 51175+00
EROSION AND SEDIMENT CONTROL PLAN

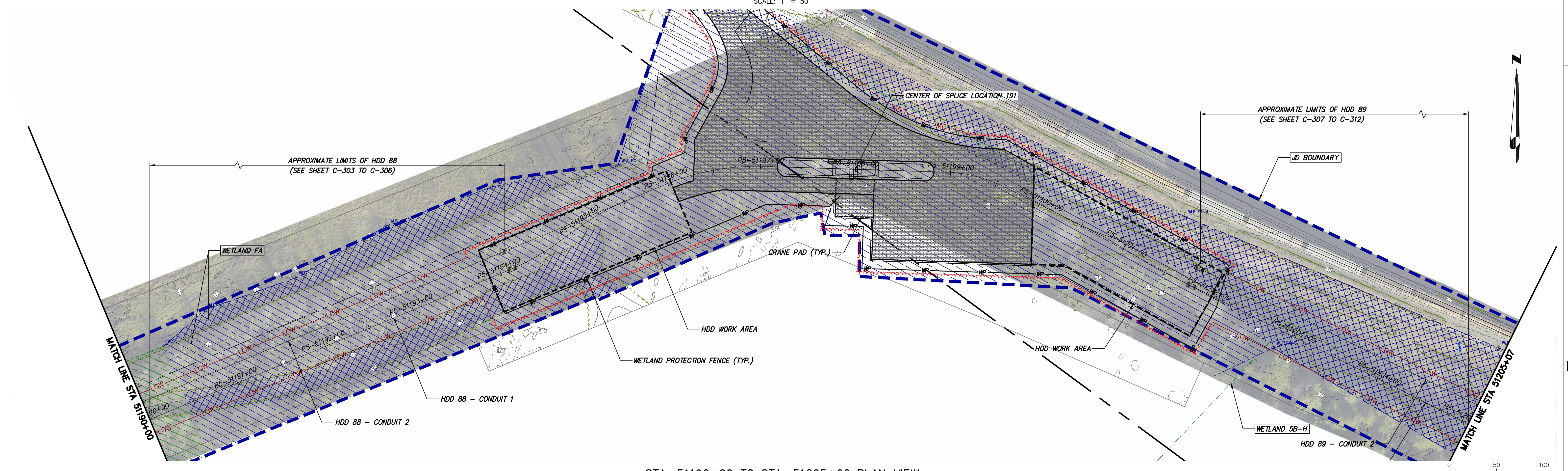
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| DRAWN BY: | MK | DESIGNED BY: | MK | APPROVED BY: | NH | SCALE | AS SHOWN | DATE | 12/16/2022 |
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| KIEWIT PROJECT NO. | 21162 |
| KC PROJECT NO. | 120174 |
| DRAWING NO. | C-406 |

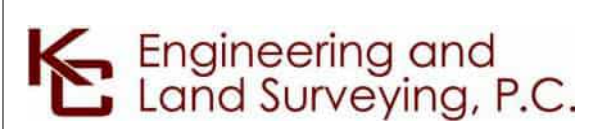
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STA. 51175+00 TO 51190+00 PLAN VIEW
SCALE: 1" = 50'



STA. 51190+00 TO STA. 51205+00 PLAN VIEW
SCALE: 1" = 50'



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

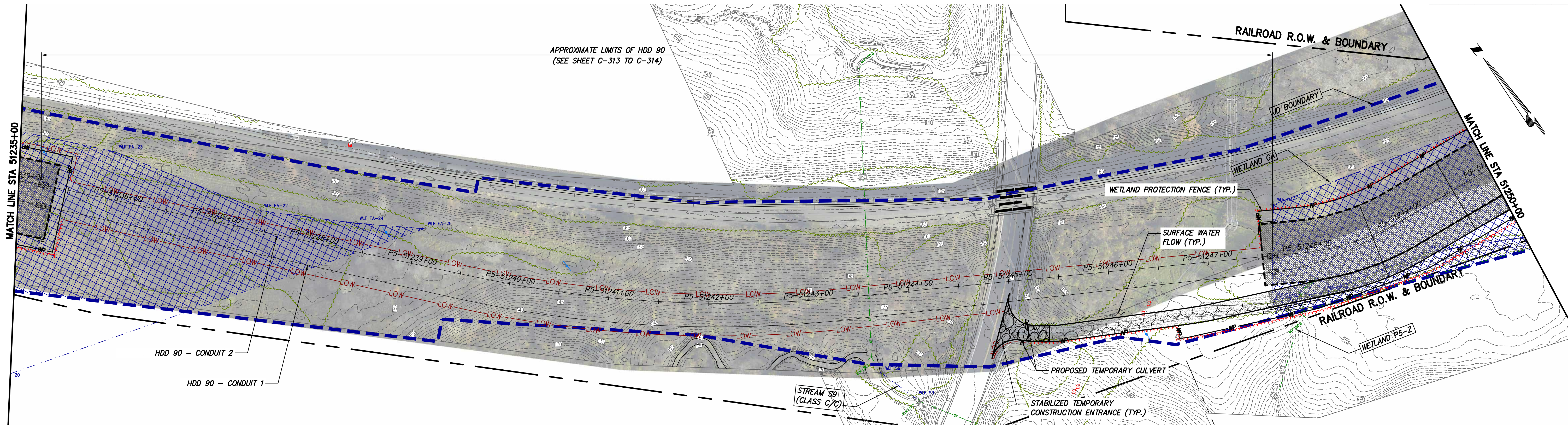
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| A | 12/16/2022 | FINAL SUBMISSION | MK | NH | |
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CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 9 (PACKAGE 5B) - CSX: SELKIRK RAIL YARD BYPASS
STA. 51175+00 TO STA. 51205+00
EROSION AND SEDIMENT CONTROL PLAN

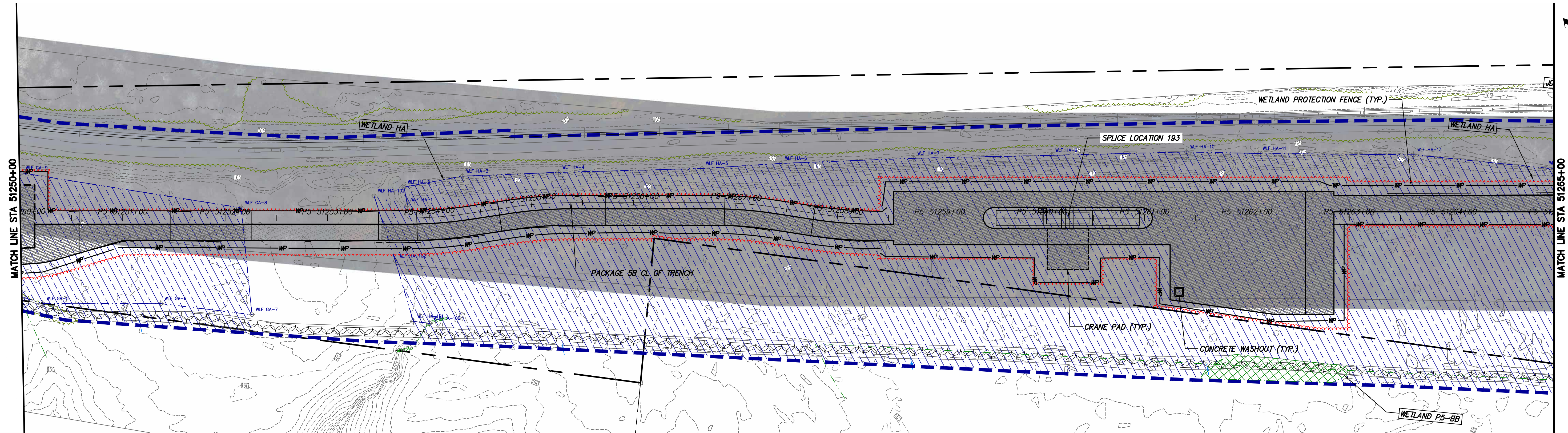
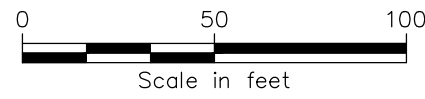
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| KIEWIT PROJECT NO. | 21162 |
| KC PROJECT NO. | 120174 |
| DRAWING NO. | C-407 |
| DATE | 12/16/2022 |
| SH.NO. | OF |

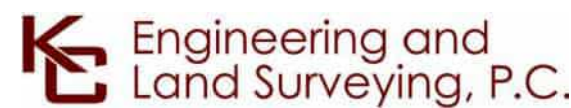
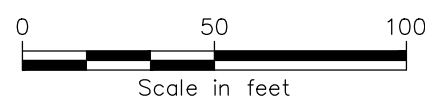
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STA. 51235+00 TO STA. 51250+00 PLAN VIEW
SCALE: 1" = 50'



STA. 51250+00 TO STA. 51265+00 PLAN VIEW
SCALE: 1" = 50'



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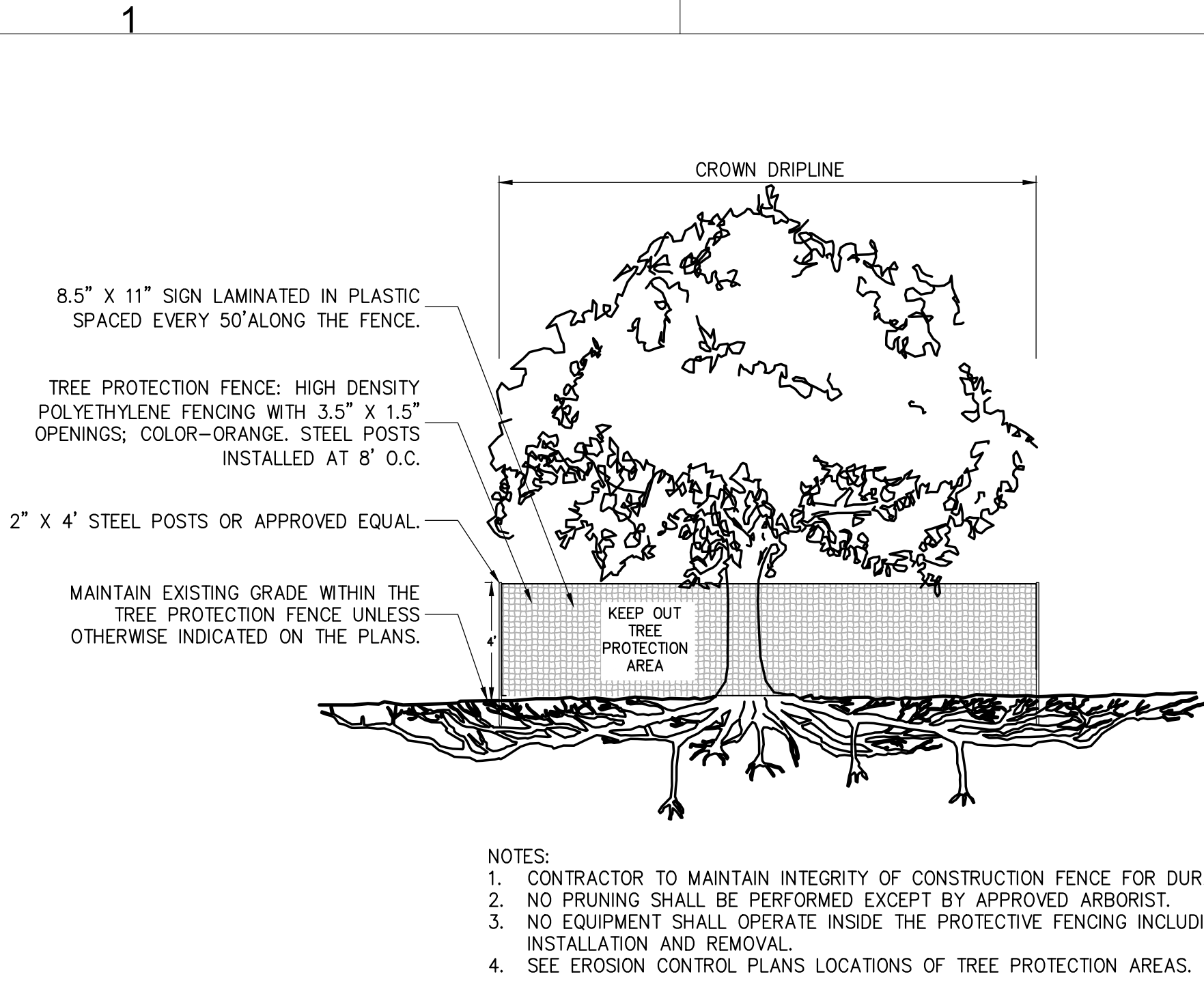
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 9 (PACKAGE 5B) - CSX: SELKIRK RAIL YARD BYPASS
STA. 51235+00 TO STA. 51265+00
EROSION AND SEDIMENT CONTROL PLAN

DRAWN BY: MK DESIGNED BY: MK APPROVED BY: NH
SCALE: AS SHOWN REV. NO. A

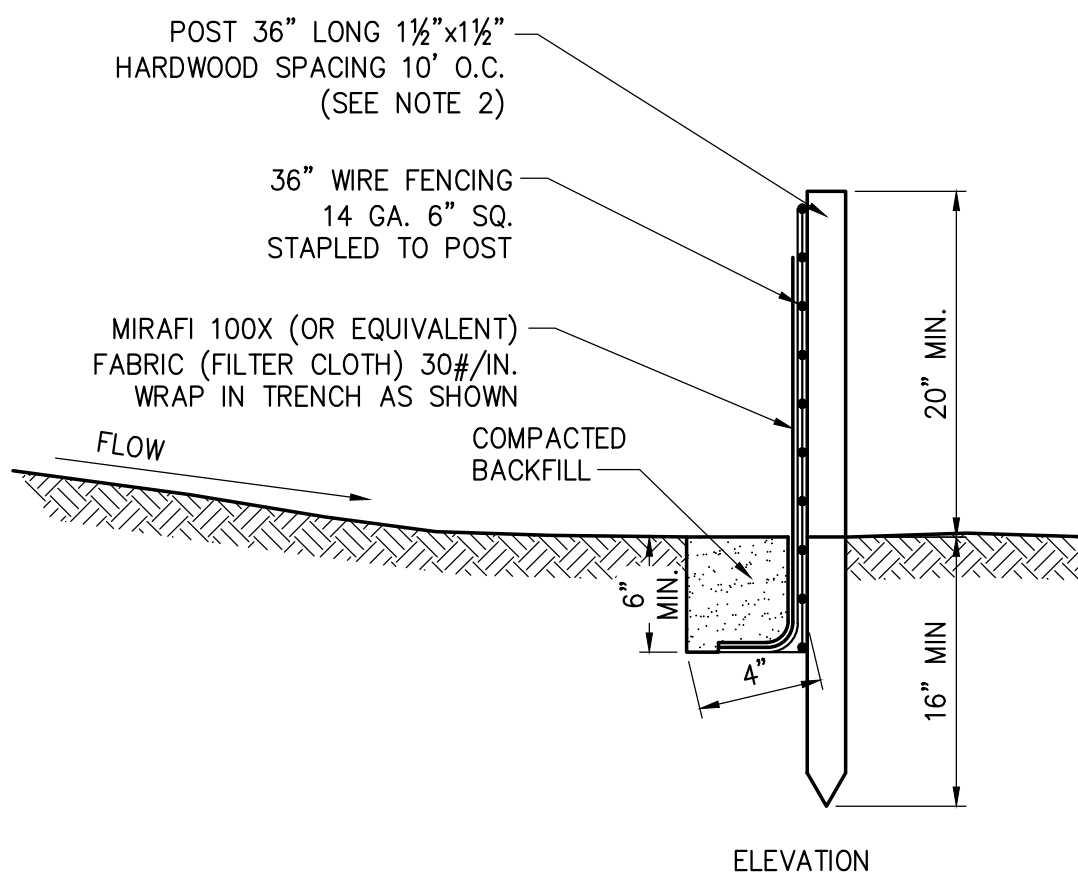
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| KIEWIT PROJECT NO. | 21162 |
| KC PROJECT NO. | 120174 |
| DRAWING NO. | C-409 |
| DATE | 12/16/2022 |
| SH.NO. | OF |



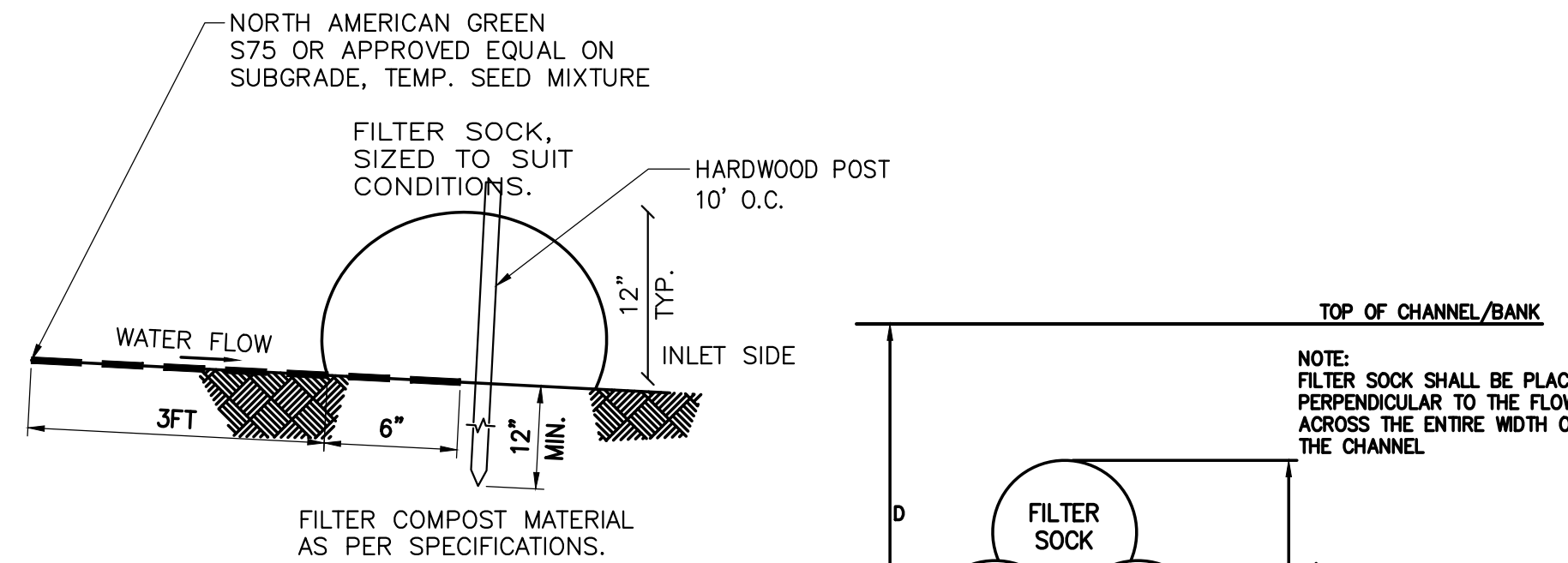
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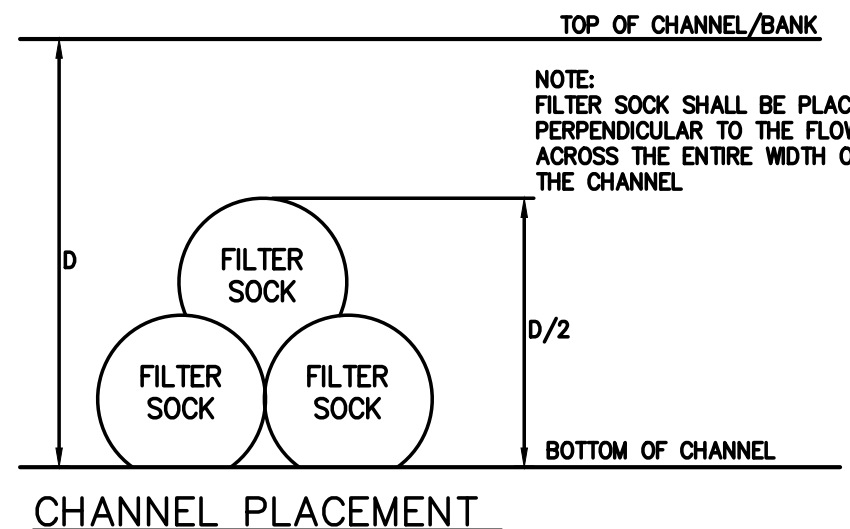
1 TREE PROTECTION
NOT TO SCALE



3 SILT FENCE
SCALE: N.T.S.

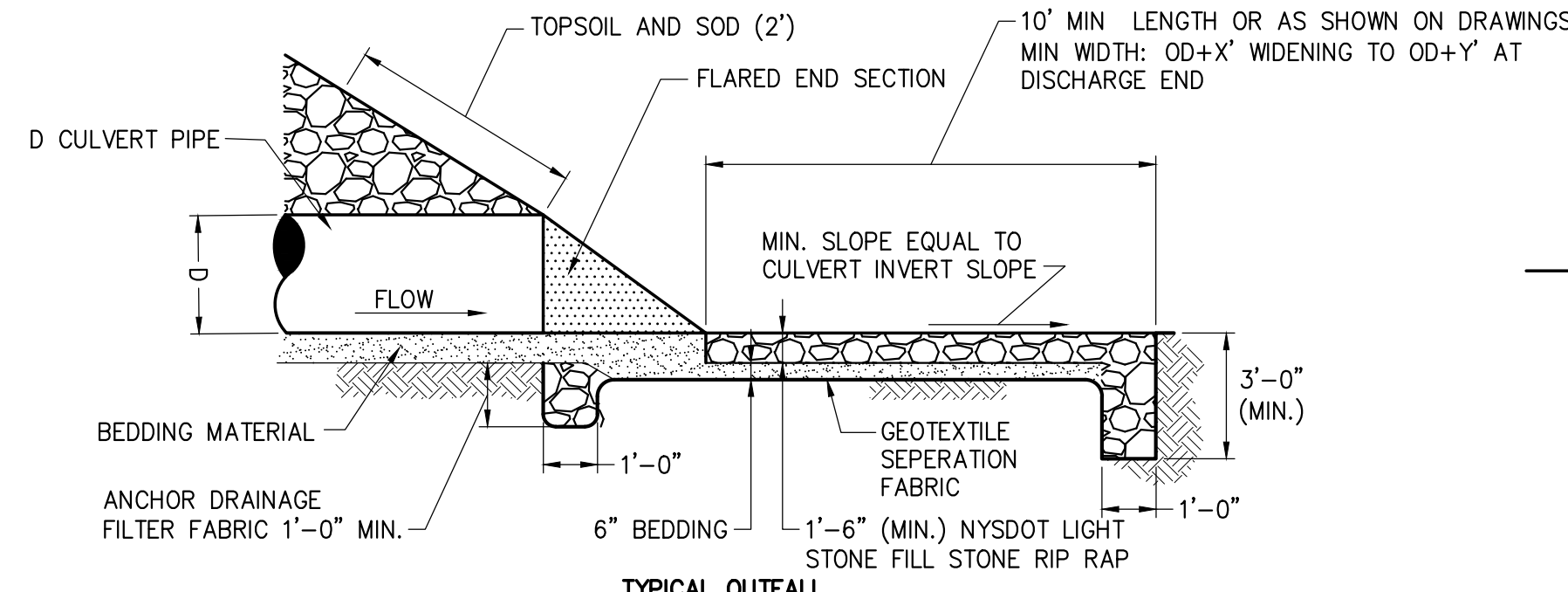
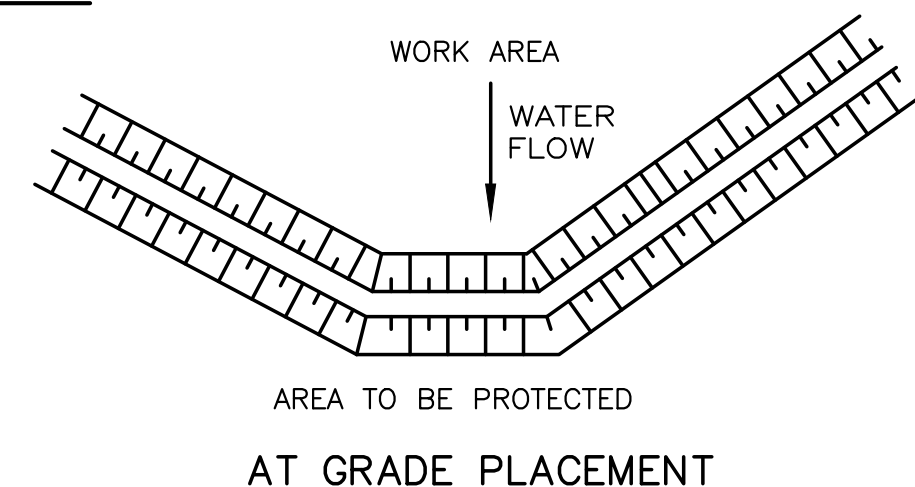


- NOTES:
1. ALL MATERIAL TO MEET MANUFACTURER SPECIFICATIONS.
 2. ALL FILTER SOCKS SHALL BE 12" DIAMETER OR LARGER.
 3. THE CONTRACTOR SHALL MAINTAIN THE COMPOST FILTER BERM IN A FUNCTIONAL CONDITION AT ALL TIMES AND IT SHALL BE ROUTINELY INSPECTED.
 4. WHERE THE BERM REQUIRES REPAIR, IT WILL BE ROUTINELY REPAIRED.
 5. THE CONTRACTOR SHALL REMOVE SEDIMENTS COLLECTED AT THE BASE OF THE BERM WHEN THEY REACH 1/3 OF THE EXPOSED HEIGHT OF THE BERM, OR AS DIRECTED BY THE OWNERS.
 6. THE COMPOST FILTER BERM WILL BE REMOVED ON SITE WHEN NO LONGER REQUIRED, AS DETERMINED BY THE OWNERS.
 7. INSTALL PERPENDICULAR TO FLOW.

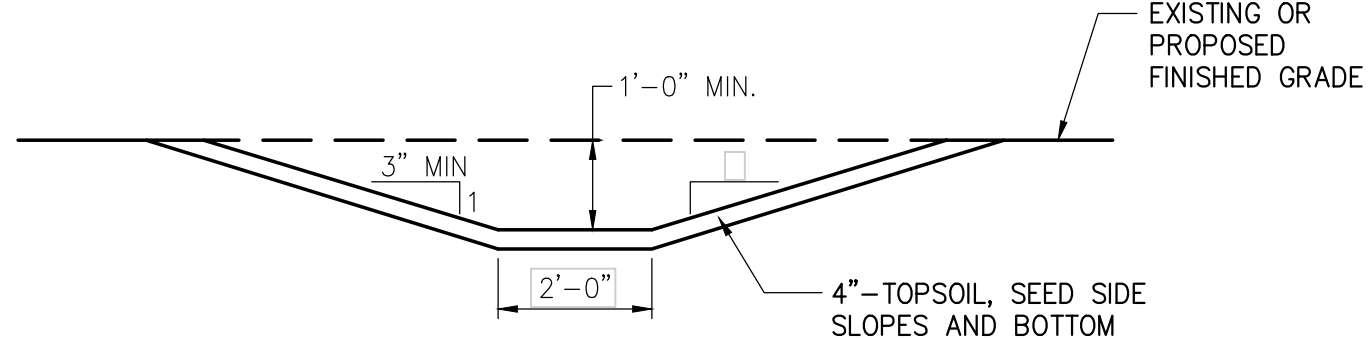


2 COMPOST FILTER SOCK DETAIL
SCALE: N.T.S.

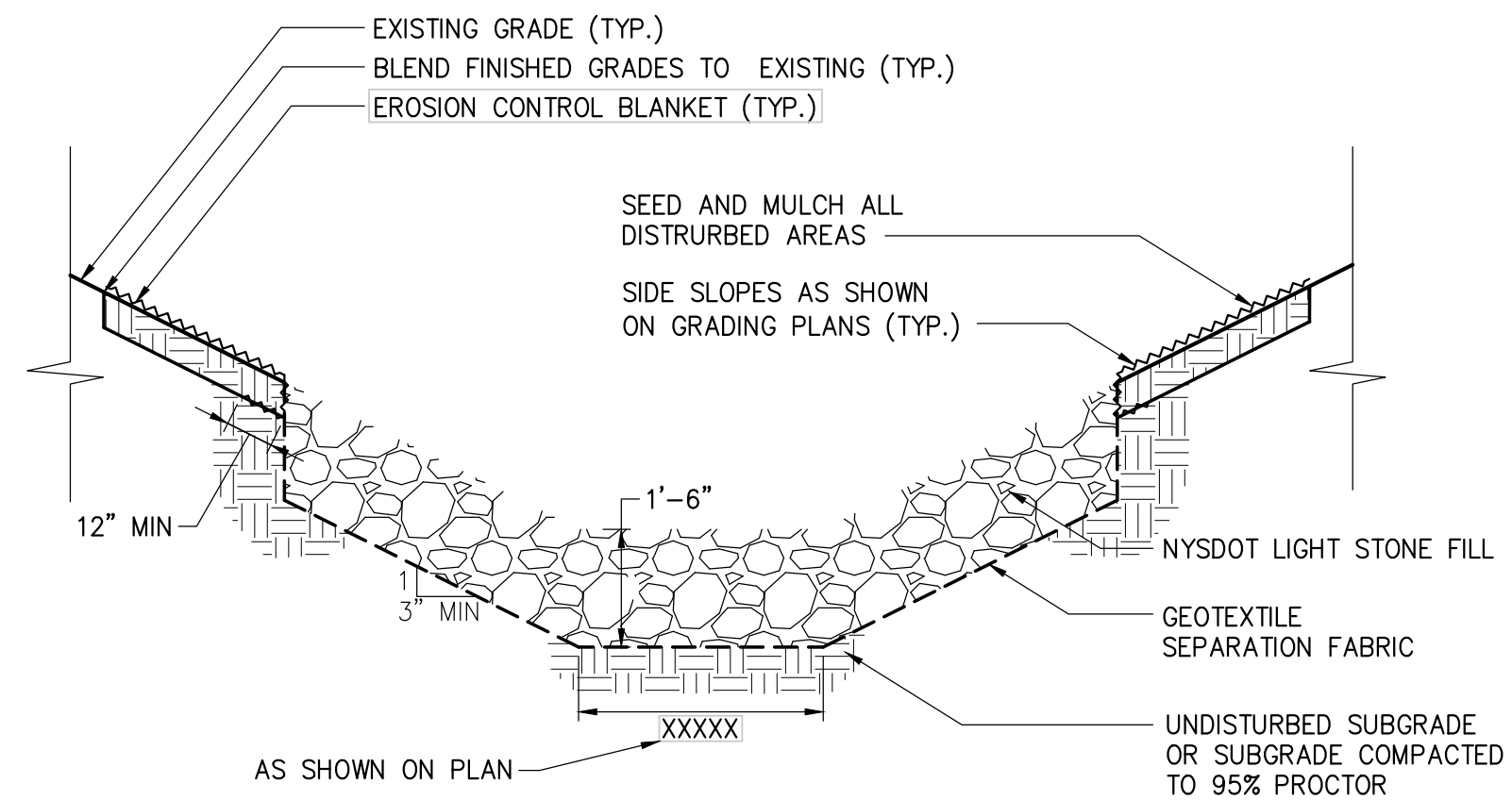
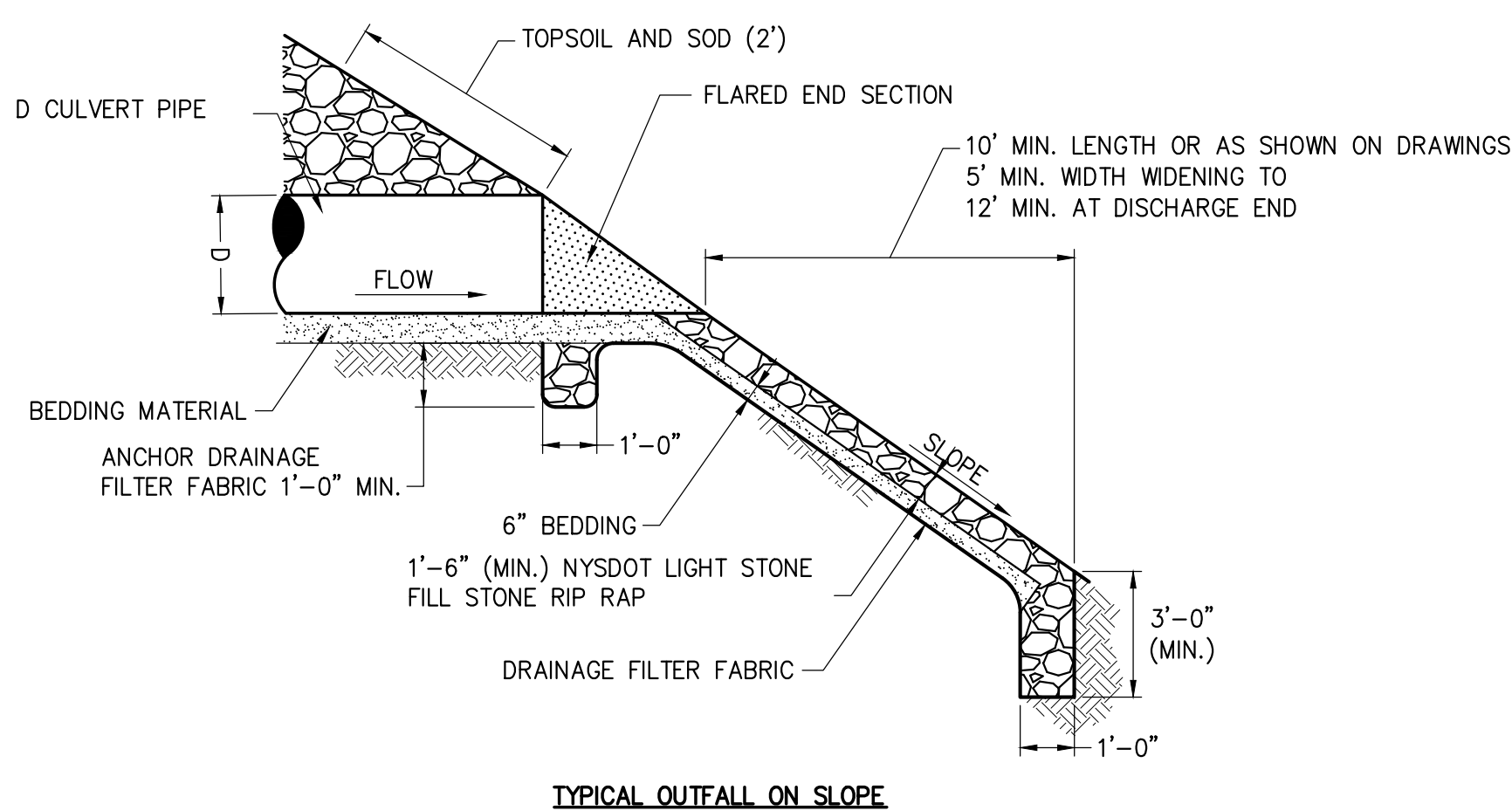
- MAINTENANCE NOTES:
1. TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
 2. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/3 OF THE EXPOSED HEIGHT OF THE PRACTICE AND DISPOSED OF IN ACCORDANCE WITH THE SWPPP.
 3. SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED IN THE MANNER REQUIRED BY THE MANUFACTURER OR REPLACED WITHIN 24 HOURS OF INSPECTION NOTIFICATION.
 4. BIODEGRADABLE FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTO-DEGRADABLE FILTER SOCKS AFTER 1 YEAR. POLY-PROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
 5. UPON STABILIZATION OF THE AREA CONTRIBUTORY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK SHALL BE REMOVED. FOR REMOVAL THE MESH CAN BE CUT AND COMPOST SPREAD AS AN ADDITIONAL MULCH TO ACT AS A SOIL SUPPLEMENT.



4 TYPICAL CULVERT OUTFALL RIP RAP
SCALE: N.T.S.

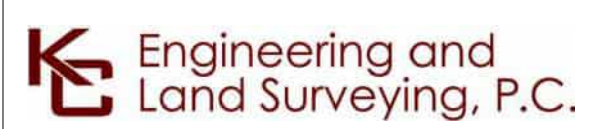


5 TYPICAL GRASS DRAINAGE SWALE
SCALE: N.T.S.



6 LIGHT STONE-LINED DRAINAGE CHANNEL
SCALE: N.T.S.

- NOTES:
1. TIE FABRIC TO WIRE FENCE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
 2. IF EXTRA STRENGTH FABRIC (GREATER THAN 50#/INCH) IS USED, WIRE CAN BE DELETED IF POST SPACING IS REDUCED TO 6' O.C.
 3. AT THE ENDS OF THE FENCING THE FIRST 20' SHALL BE TURNED UP THE SLOPE 2'.
 4. POSTS SHOULD BE INCLINED TOWARD THE DIRECTION FLOW CAME FROM.
 5. OVERLAP FABRIC A MINIMUM OF 6" AND FOLDED AT JOINTS. ATTACH FILTER FABRIS TO STAKES ALLOWING EXTENSION INTO TRENCH AS SHOWN; SECURE TO STAKES AS NOTED.
 6. THE MAXIMUM AREA OF RUNOFF PER 100LF. OF FENCE SHALL NOT EXCEED 0.25 ACRES.
 7. MAINTENANCE SHALL BE PERFORMED AS NECESSARY. THE FENCING SHALL BE CHECKED AFTER EVERY STORM TO ENSURE THEIR PROPER FUNCTIONING.
 8. WHEN FENCE IS NO LONGER NEEDED, THE ACCUMULATED SILT, THE POSTS AND FABRIC SHALL BE REMOVED AND TRENCH BACK FILLED WITH TOPSOIL AND SEEDED.
 9. FENCING SHOULD BE PLACED AS SHOWN ON THE DRAWING OR IF NOT SHOWN, 10' BEYOND THE TOE OF THE OF THE SLOPE AND AT A SPACING IN ACCORDANCE WITH THE TABLE.
 10. EXCAVATE TRENCH AS PER DETAIL AND SET POSTS AT 10' O.C.
 11. BACKFILL WITH COMPACTED, EXCAVATED SOIL FROM TRENCH.



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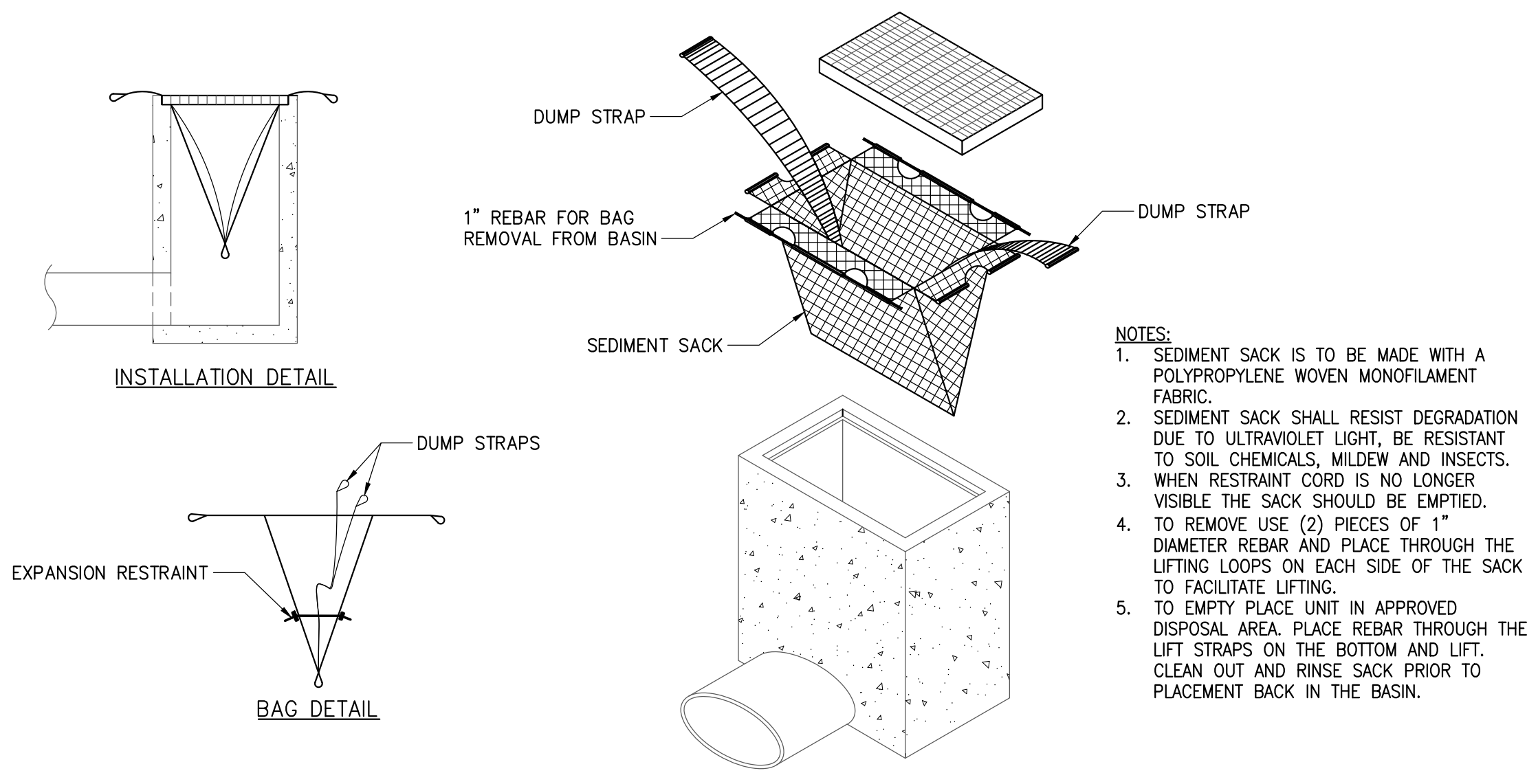
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| No. | DATE | SUBMITTAL / REVISION DESCRIPTION | DB | APP |

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 9 (PACKAGE 5B) - CSX: SELKIRK RAIL YARD BYPASS
EROSION AND SEDIMENT CONTROL DETAILS

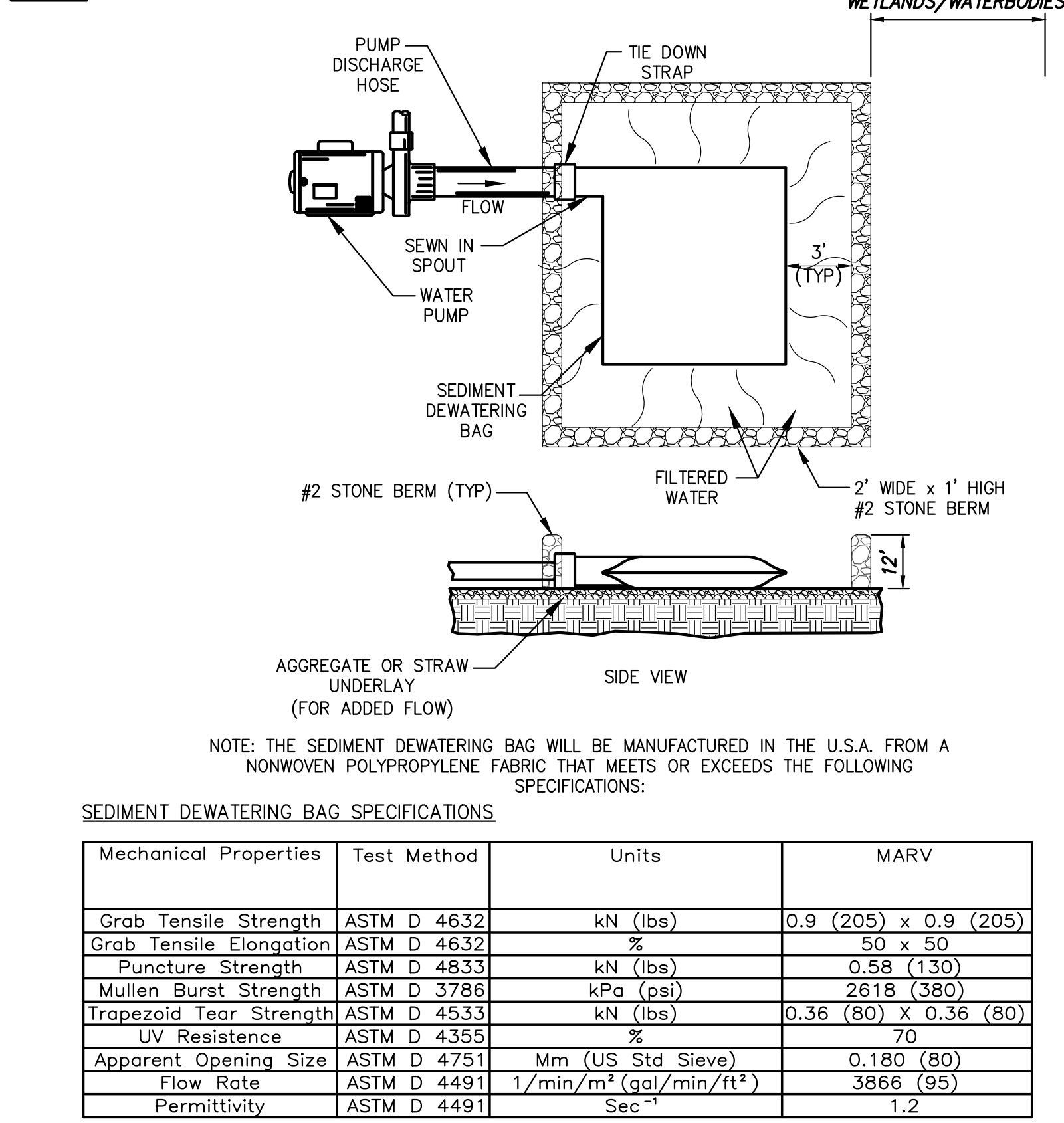
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| KIEWIT PROJECT NO. | 21162 |
| KC PROJECT NO. | 120174 |
| DRAWING NO. | C-601 |
| DRAWN BY: | MK |
| DESIGNED BY: | MK |
| APPROVED BY: | NH |
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| REV. NO. | A |
| DATE | 12/16/2022 |
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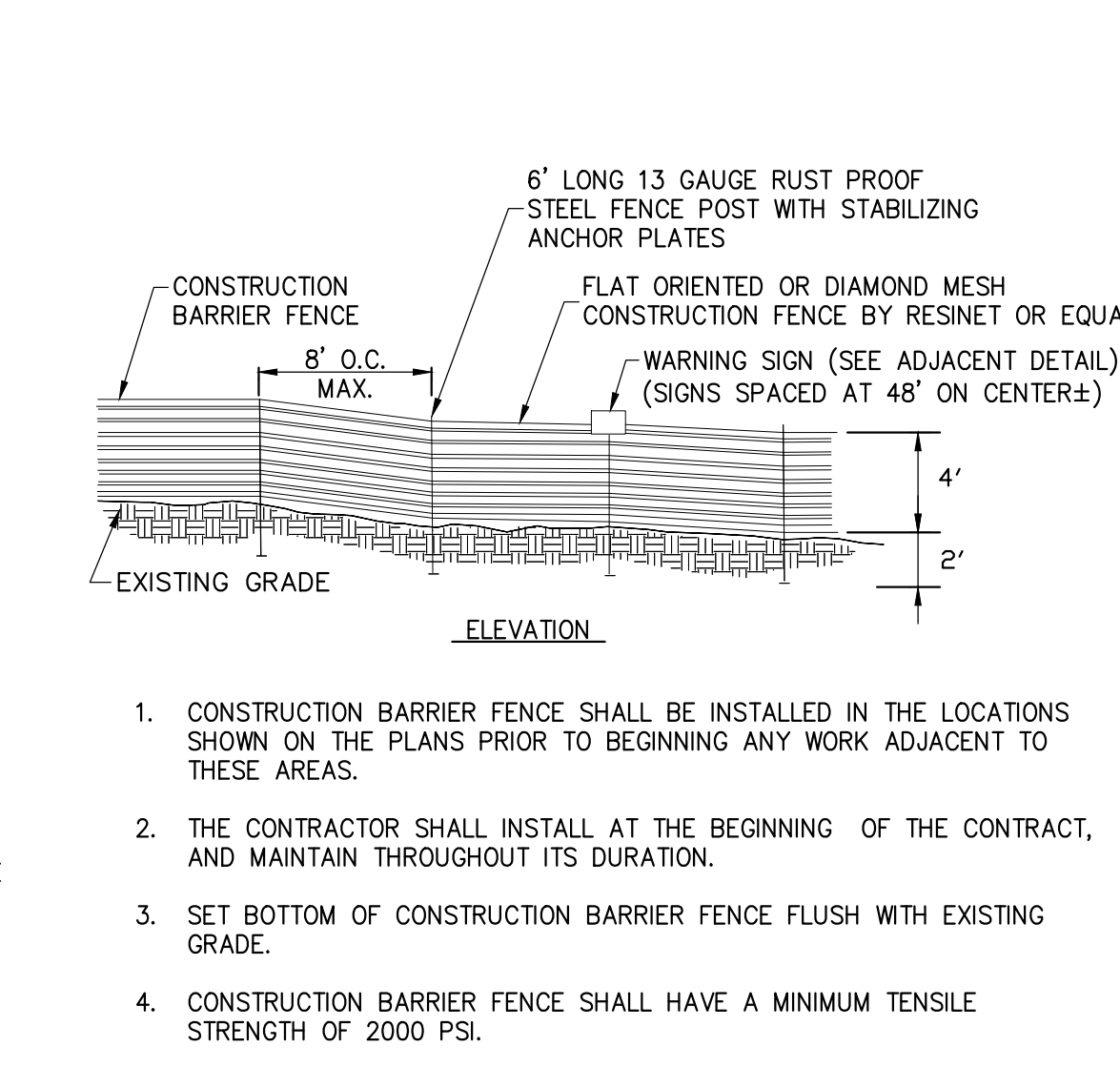


1 **INLET PROTECTION**
SCALE: N.T.S.

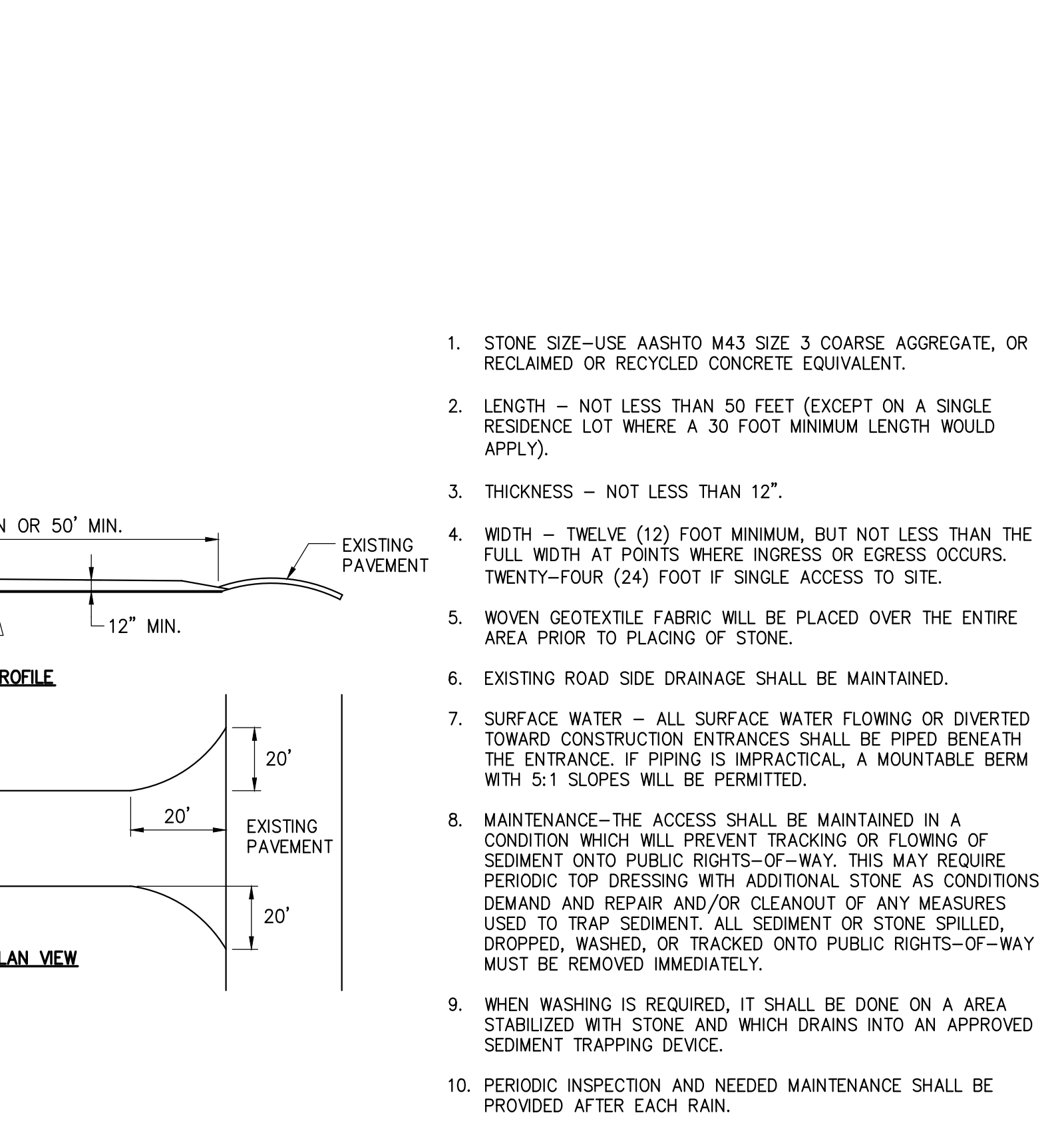


4 **SEDIMENT DEWATERING BAG**
SCALE: N.T.S.

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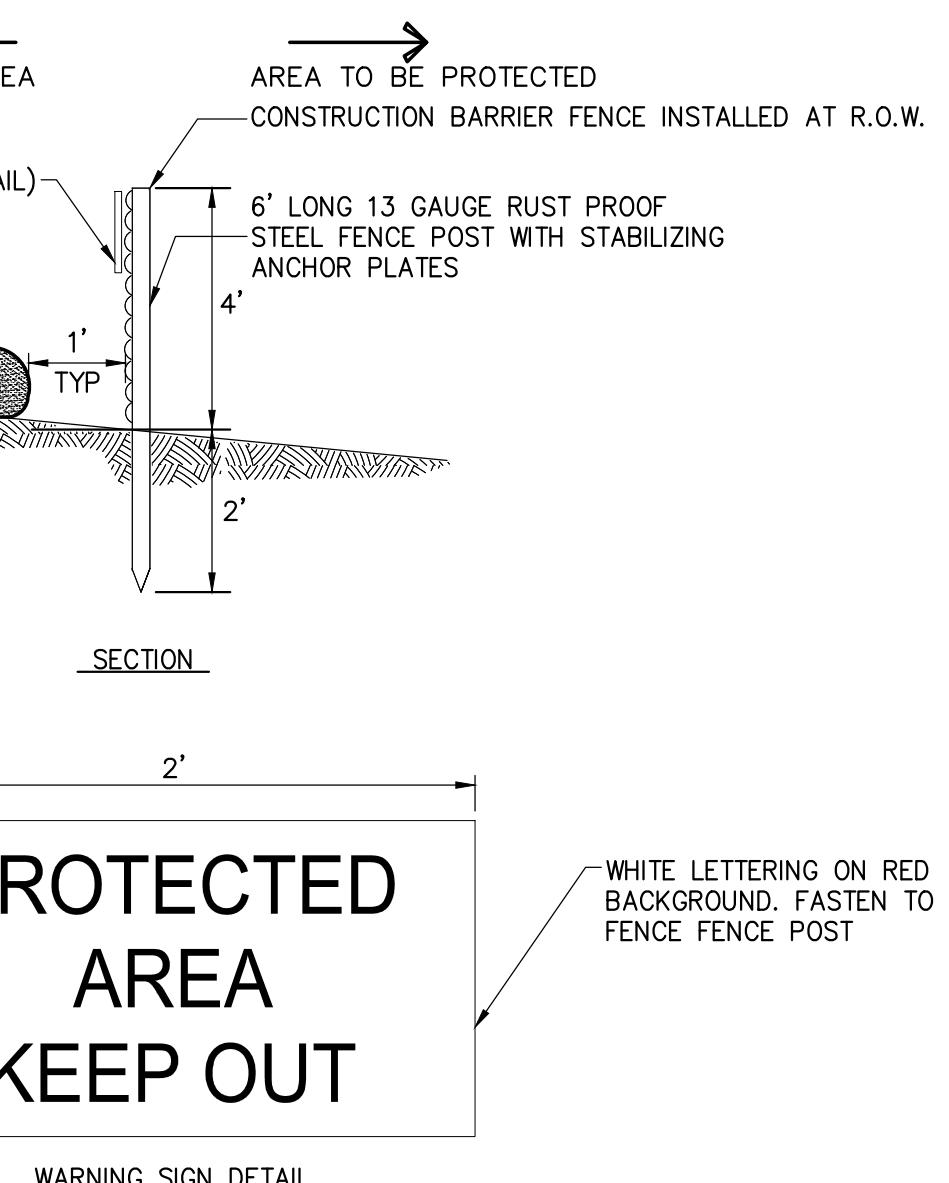


2 **WETLAND PROTECTION FENCE**
SCALE: N.T.S.

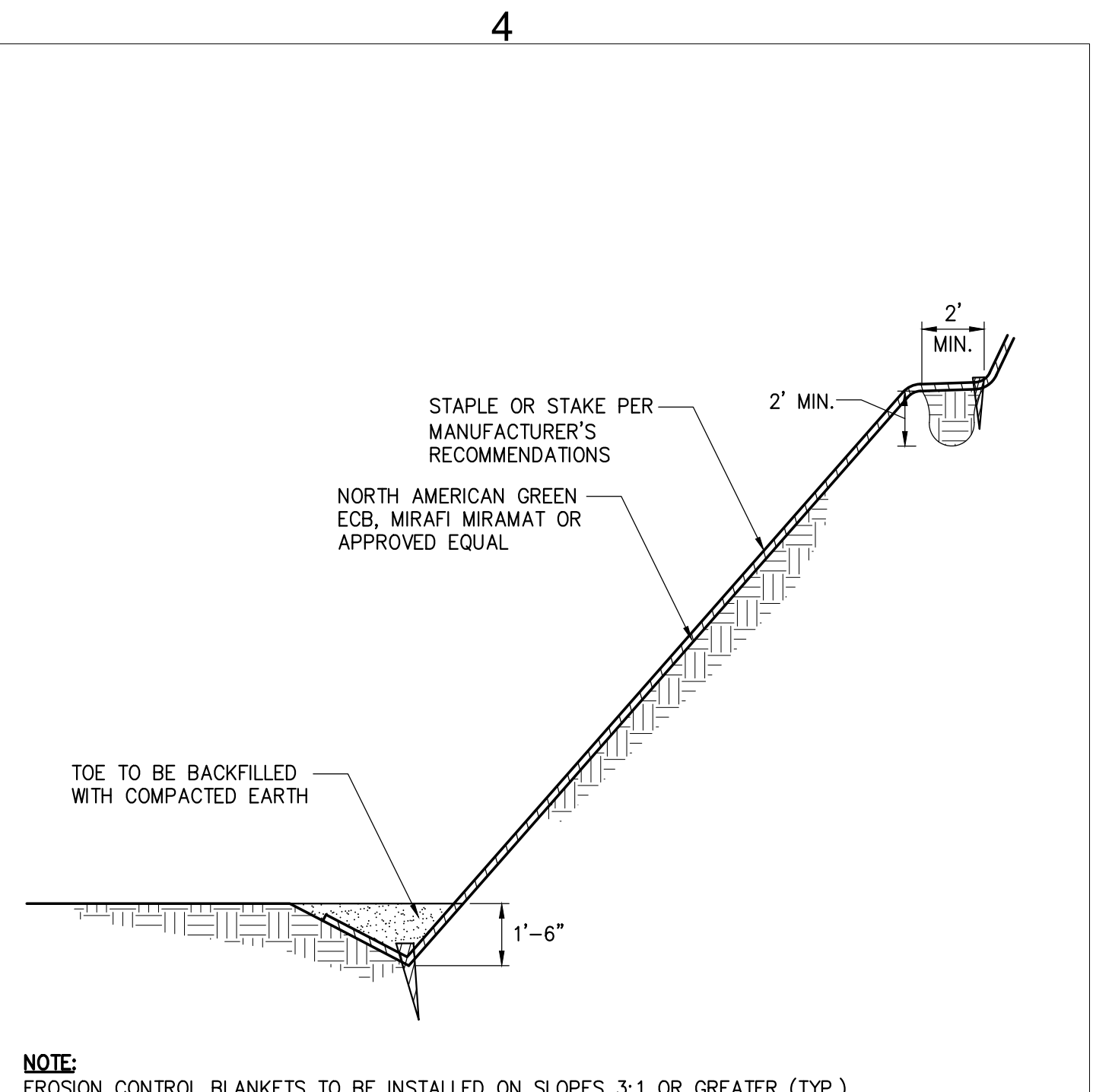


5 **STABILIZED CONSTRUCTION ACCESS**
SCALE: N.T.S.

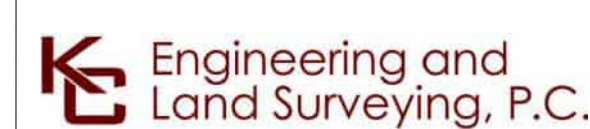
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3 **WARNING SIGN DETAIL**
SCALE: N.T.S.



6 **CONCRETE WASHOUT AREA**
SCALE: N.T.S.



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| CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 9 (PACKAGE 5B) - CSX: SELKIRK RAIL YARD BYPASS EROSION AND SEDIMENT CONTROL DETAILS | | | | KIEWIT PROJECT NO. 21162 KC PROJECT NO. 120174 DRAWING NO. C-602 | |
| DRAWN BY: | MK | DESIGNED BY: | MK | APPROVED BY: | NH |
| SCALE | AS SHOWN | DATE | 12/16/2022 | REV. NO. | A |

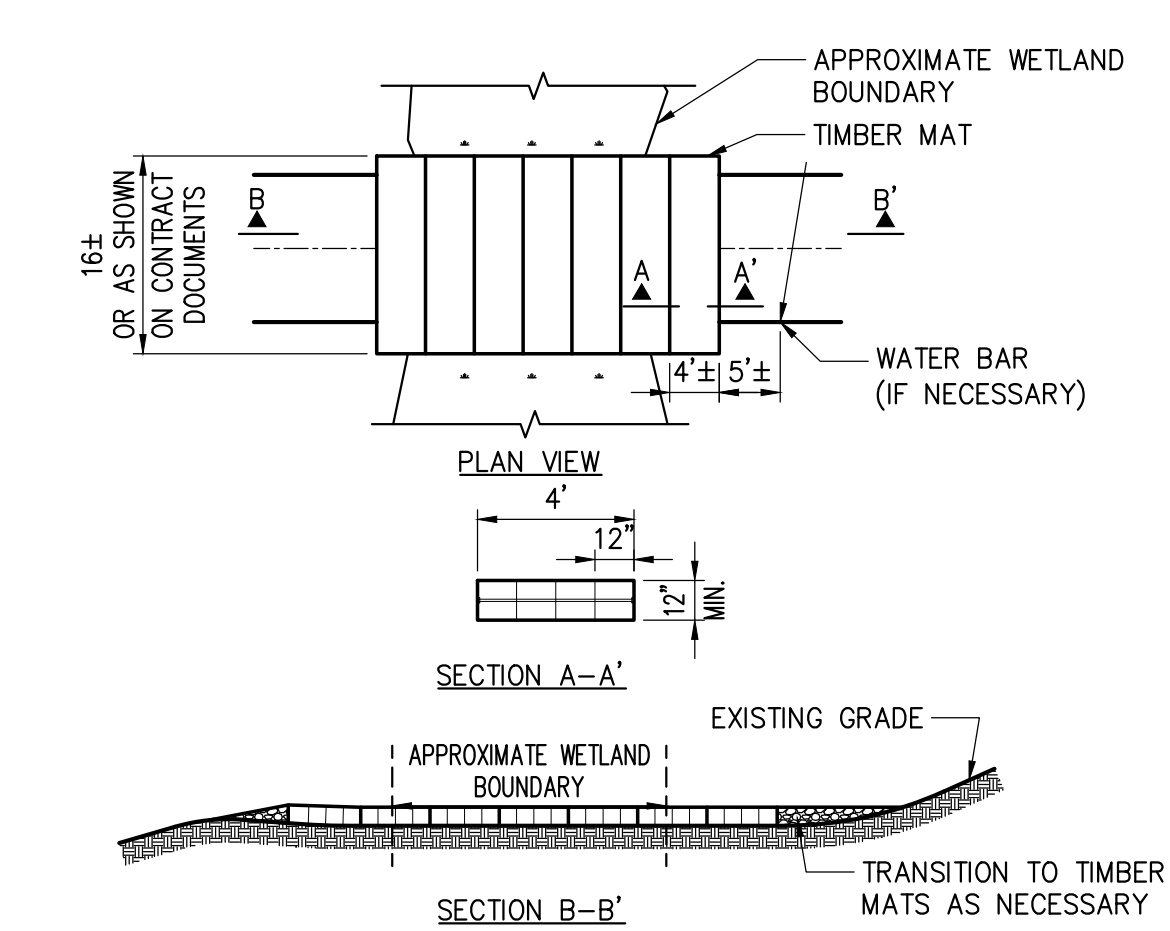
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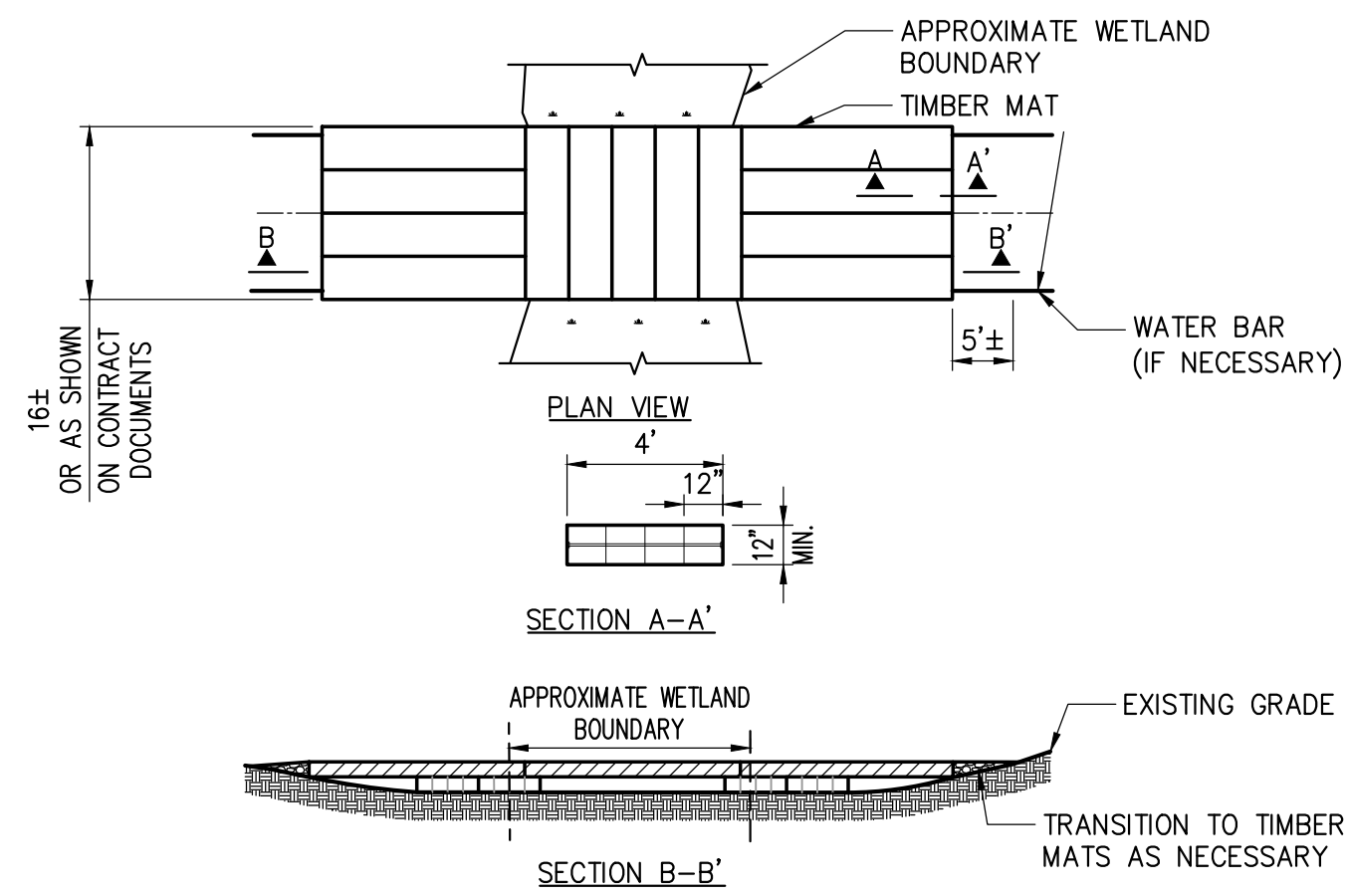
4



- NOTES:
1. TIMBER MATS SHOULD BE INSTALLED IN WETLANDS AND OTHER AREAS IF NECESSARY TO PREVENT RUTTING.
 2. BASED ON ACTUAL SITE CONDITIONS, MULTIPLE LAYERS OF TIMBER MATS MAY BE REQUIRED.
 3. TIMBER MAT SURFACE SHOULD BE LEVEL TO PREVENT EQUIPMENT AND VEHICLES FROM SLIDING OFF DURING MUDDY OR ICING CONDITIONS, AND PREVENT TIMBERS FROM BREAKING.
 4. SEDIMENT TRACKED ONTO TIMBER MATTING SHOULD BE REMOVED AS NECESSARY TO PREVENT SEDIMENT FROM ENTERING WETLAND DURING RAIN EVENTS. SEDIMENT SHOULD BE REMOVED TO A STABILIZED SOIL STOCKPILE OR OTHER APPROVED LOCATION.
 5. PERIMETER EROSION AND SEDIMENT CONTROL ARE REQUIRED TO BE INSTALLED PRIOR TO PLACING TIMBER MATTING.
 6. UNLESS PERMITTED FROM REMOVAL, STUMPS WITHIN THE WETLAND SHOULD REMAIN. THIS MAY REQUIRE ADDITIONAL TIMBERS TO BRIDGE ABOVE.
 7. UPON REMOVAL OF TIMBER MATTING ALL SPLINTERED WOOD SHOULD BE REMOVED. IF EXPOSED SOILS ARE PRESENT STRAW MULCH SHOULD BE APPLIED.

NOTE: GEOTEXTILE FABRIC TO BE INSTALLED UNDER MATTING (TYP)

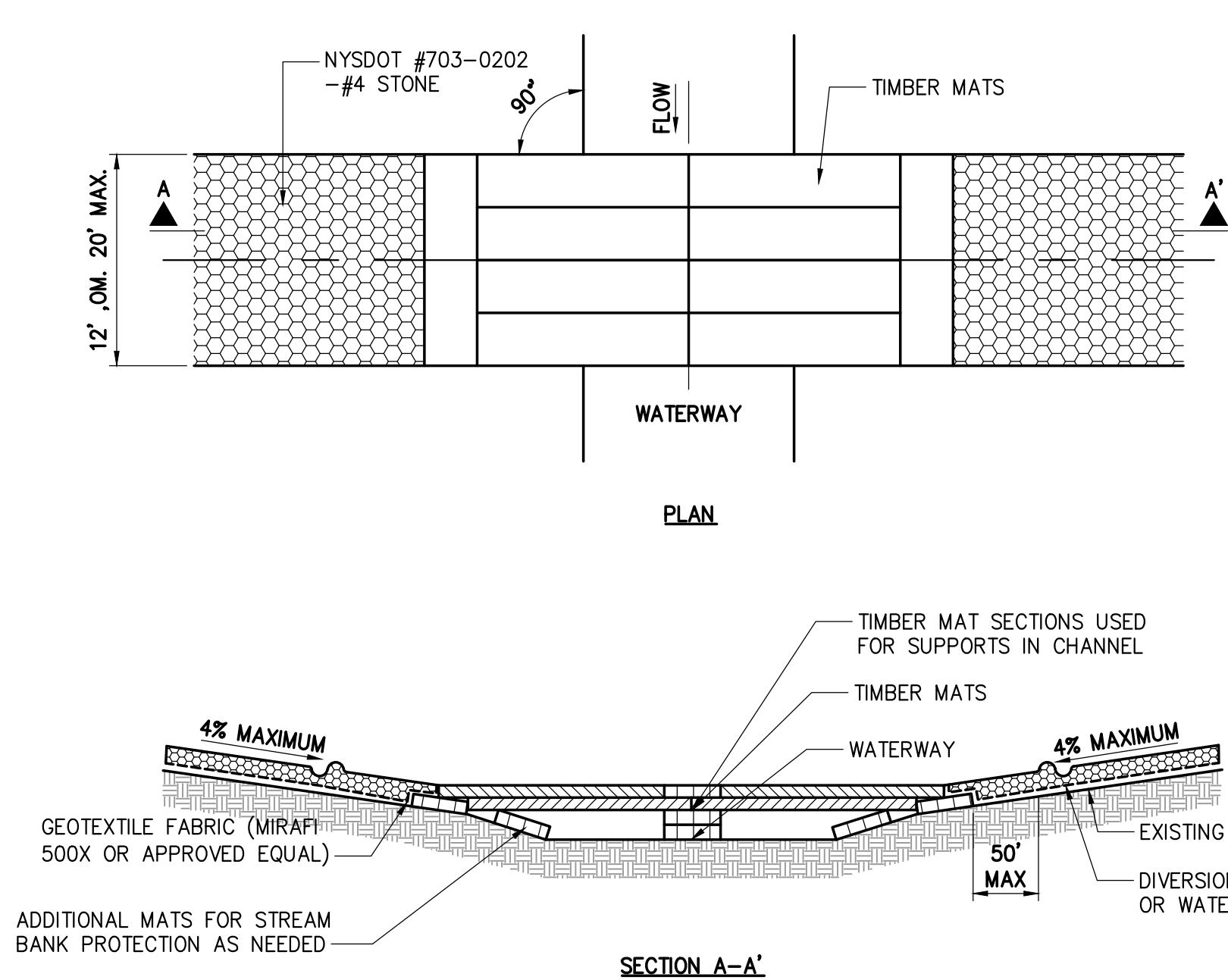
OPTION "A"
NOT TO SCALE



- NOTES:
1. TIMBER MATS SHOULD BE INSTALLED IN WETLANDS AND OTHER AREAS IF NECESSARY TO PREVENT RUTTING.
 2. BASED ON ACTUAL SITE CONDITIONS, MULTIPLE LAYERS OF TIMBER MATS MAY BE REQUIRED.
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 7. UPON REMOVAL OF TIMBER MATTING ALL SPLINTERED WOOD SHOULD BE REMOVED. IF EXPOSED SOILS ARE PRESENT STRAW MULCH SHOULD BE APPLIED.

NOTE: GEOTEXTILE FABRIC TO BE INSTALLED UNDER MATTING (TYP)

OPTION "B"
NOT TO SCALE

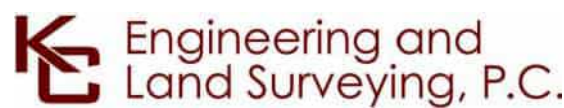


NOTES:

1. IN-STREAM EXCAVATION SHOULD BE COMPLETED IN ACCORDANCE WITH "TEMPORARY ACCESS WATERWAY CROSSING" ON PAGE 2.32 OF THE 2016 NYSDEC STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (OR NEWEST VERSION).
2. THE CONSTRUCTION OF ANY CROSSING SHOULD NOT CAUSE A SIGNIFICANT WATER LEVEL DIFFERENCE BETWEEN THE UPSTREAM AND DOWNSTREAM WATER SURFACE ELEVATIONS. FISH SPAWNING OR MIGRATION DATES CAN VARY ACROSS NEW YORK, AND RESTRICTIONS IMPOSED BY THE NYSDEC MY VARY AND MUST BE VERIFIED.
3. THE TEMPORARY WATERWAY CROSSING SHOULD BE AT RIGHT ANGLES TO THE STREAM WHERE APPROACH CONDITIONS DICTATE, THE CROSSINGS MAY VARY 15 DEGREES FROM A LINE DRAWN PERPENDICULAR TO THE CENTERLINE OF THE STREAM AT THE INTENDED CROSSING LOCATION.
4. ALL FILL MATERIALS ASSOCIATED WITH THE ROADWAY APPROACH SHOULD BE LIMITED TO A MAXIMUM HEIGHT OF 2 FEET ABOVE THE EXISTING FLOOD PLAIN ELEVATION.
5. A WATER DIVERTING STRUCTURE SUCH AS A SWALE OR WARE BAR SHOULD BE CONSTRUCTED (ACROSS THE ROADWAY ON BOTH ROADWAY APPROACHES) 50 FEET (MAXIMUM) ON EITHER SIDE OF THE WATERWAY CROSSING. THIS WILL PREVENT ROADWAY SURFACE RUNOFF FROM DIRECTLY ENTERING THE WATERWAY. THE 50 FEET MEASURED IS MEASURED FROM THE TOP OF THE WATERWAY BANK. IF THE ROADWAY APPROACH IS CONSTRUCTED WITH A REVERSE GRADE AWAY FROM THE WATERWAY, A SEPARATE DIVERTING STRUCTURE IS NOT REQUIRED.
6. ALL CROSSINGS SHOULD HAVE ONE TRAFFIC LANE. THE MINIMUM WIDTH SHOULD BE 12 FEET WITH A MAXIMUM WIDTH OF 20 FEET.
7. ANCHORS: TIMBER MATS SHOULD BE SECURELY ANCHORED AT ONLY ONE END, USING STEEL CABLE OR CHAIN. ANCHORING AT ONLY ONE END WILL PREVENT CHANNEL OBSTRUCTION IN THE EVENT THAT FLOODWATERS FLOAT THE BRIDGE. ACCEPTABLE ANCHORS ARE LARGE TREES, LARGE BOULDERS, OR DRIVEN STEEL ANCHORS. ANCHORING SHOULD BE SUFFICIENT TO PREVENT THE TIMBER MATS FORM FLOATING DOWNSTREAM AND POSSIBLY CAUSING AN OBSTRUCTION TO THE FLOW.

1 TIMBER MATTING (WETLAND CROSSING)

SCALE: N.T.S.



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

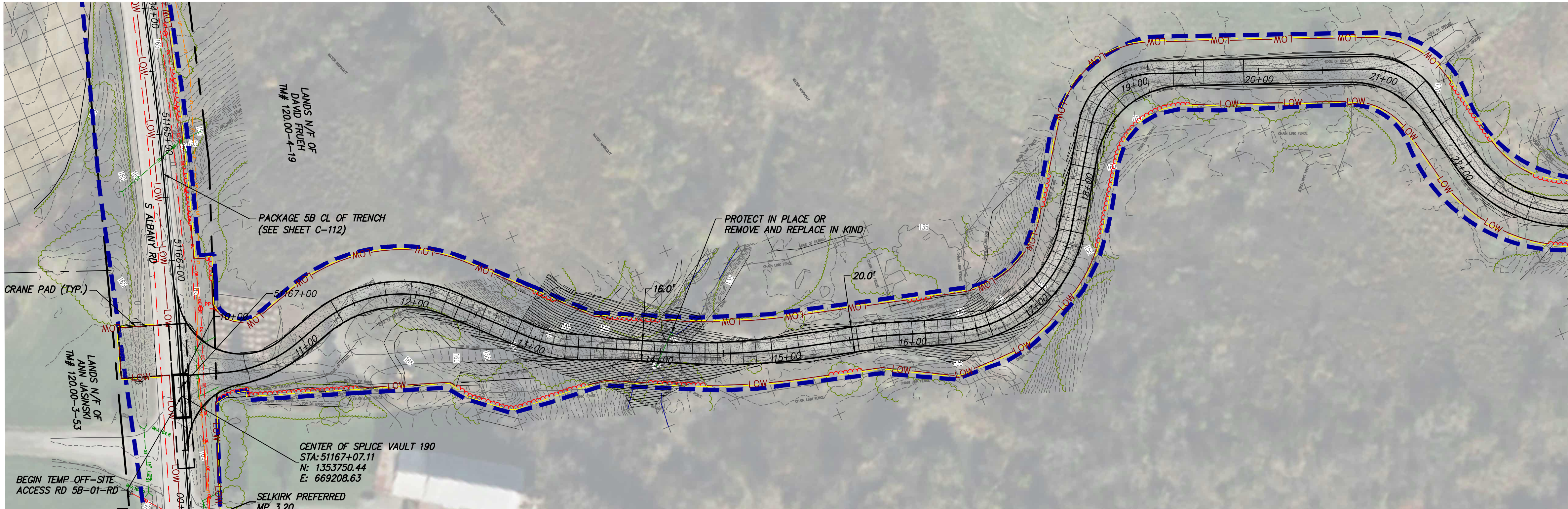
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| A | 12/16/2022 | FINAL SUBMISSION | MK | NH |
| No. | DATE | SUBMITTAL / REVISION DESCRIPTION | DB | APP |

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 9 (PACKAGE 5B) - CSX: SELKIRK RAIL YARD BYPASS
WETLAND CROSSING DETAILS

| | | | | | | | | | |
|-----------|----|--------------|----|--------------|----|----------|----------|---------|------------|
| DRAWN BY: | MK | DESIGNED BY: | MK | APPROVED BY: | NH | SCALE | AS SHOWN | DATE | 12/16/2022 |
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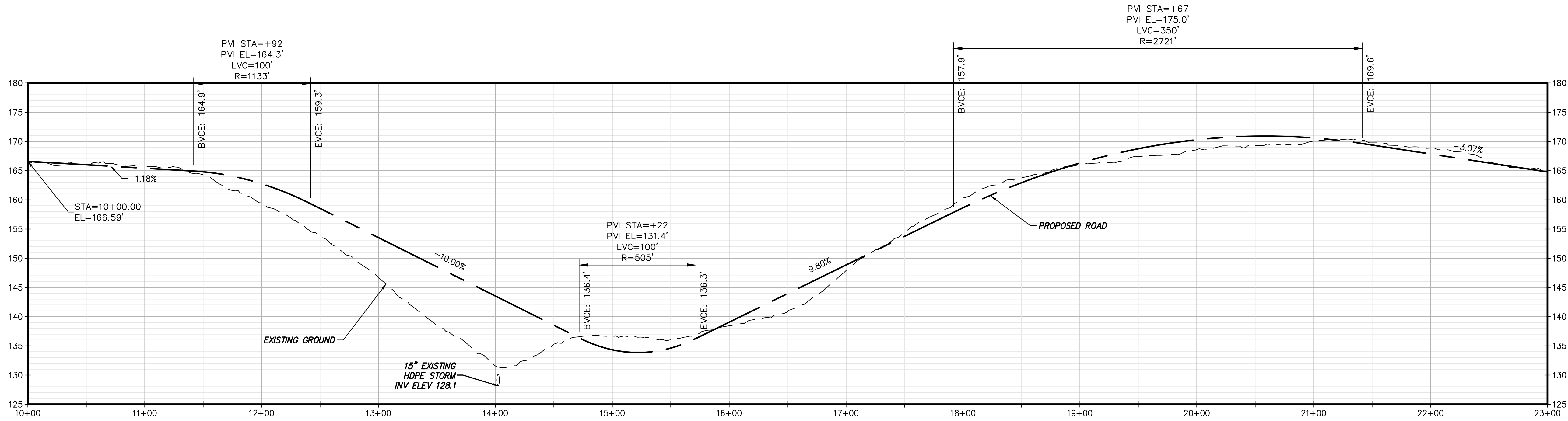
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| KIEWIT PROJECT NO. | 21162 |
| KC PROJECT NO. | 120174 |
| DRAWING NO. | C-611 |

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TEMP OFF-SITE ACCESS RD 5B-01-RD PLAN VIEW
SCALE: 1" = 50'

IMPROVEMENTS SHOWN ON THIS SHEET ARE NOT LOCATED WITHIN CSX PROPERTY



TEMP OFF-SITE ACCESS RD 5B-01-RD PROFILE
SCALE: H: 1" = 50' V: 1" = 10'



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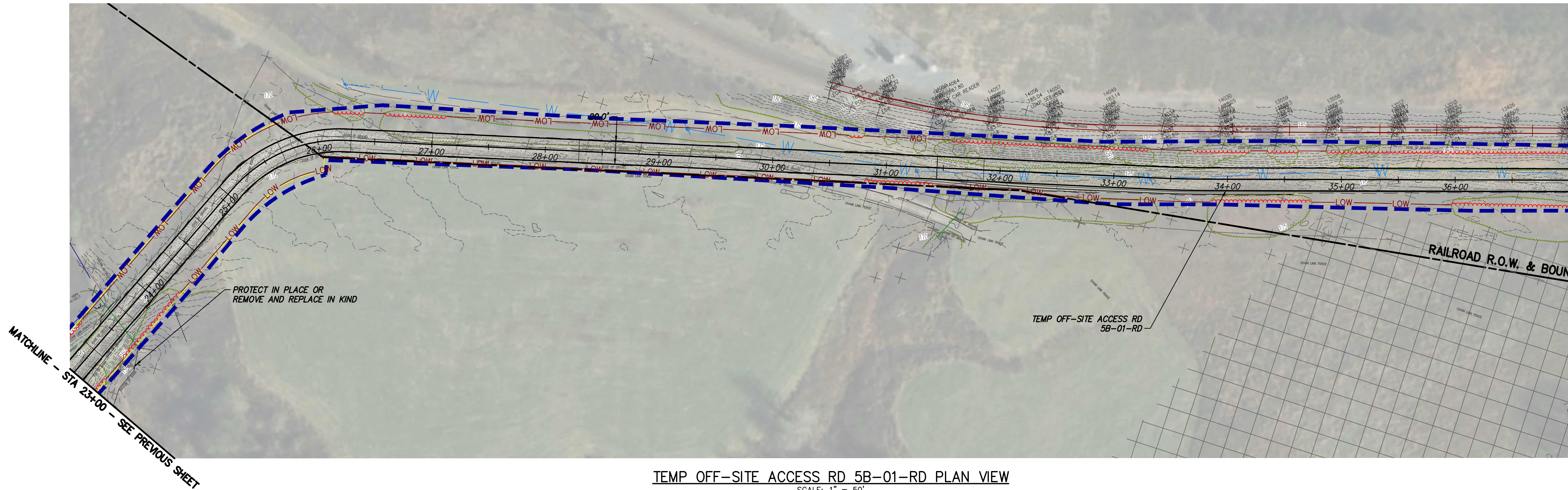
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| H | 12/16/2022 | FINAL SUBMISSION | BV | TK |
| G | 11/01/2022 | DRAFT FINAL SUBMISSION | BV | TK |
| F | 10/18/2022 | DRAFT FINAL SUBMISSION IDR-CR | BV | TK |
| E | 06/06/2022 | 60% DESIGN SUBMISSION | BV | TK |
| D | 05/16/2022 | 60% DESIGN SUBMISSION IDR-CR | BV | TK |
| C | 02/11/2022 | PRELIMINARY DESIGN DEVELOPMENT | BV | TK |
| B | 01/31/2022 | PRELIMINARY DESIGN DEVELOPMENT IDR-CR | BV | TK |
| A | 01/24/2022 | PRELIMINARY PROGRESS | BV | TK |
| No. | DATE | SUBMITTAL / REVISION DESCRIPTION | DB | APP |

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 9 (PACKAGE 5B) - CSX: SELKIRK RAIL YARD BYPASS
TEMP OFF-SITE ACCESS ROADS (1 OF 7)

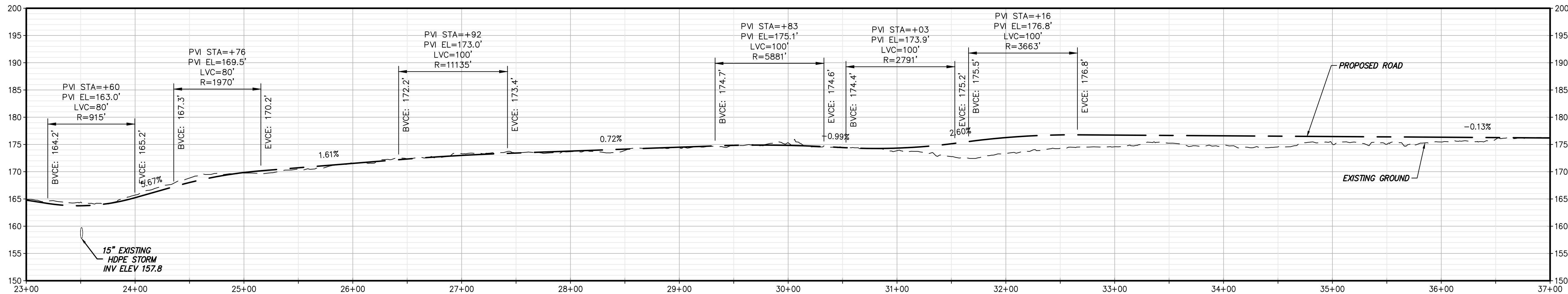
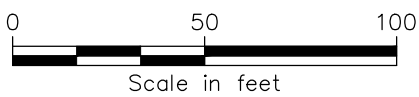
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| KIEWIT PROJECT NO. | 21162 |
| DRAWING NO. | C-201 |
| DATE | 12/16/2022 |
| SH.NO. | 32 OF 96 |

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TEMP OFF-SITE ACCESS RD 5B-01-RD PLAN VIEW
SCALE: 1" = 50'



TEMP OFF-SITE ACCESS RD 5B-01-RD PROFILE
SCALE: H: 1" = 50' V: 1" = 10'



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

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|-----|------------|---------------------------------------|----|-----|
| H | 12/16/2022 | FINAL SUBMISSION | BV | TK |
| G | 11/01/2022 | DRAFT FINAL SUBMISSION | BV | TK |
| F | 10/18/2022 | DRAFT FINAL SUBMISSION IDR-CR | BV | TK |
| E | 06/06/2022 | 60% DESIGN SUBMISSION | BV | TK |
| D | 05/16/2022 | 60% DESIGN SUBMISSION IDR-CR | BV | TK |
| C | 02/11/2022 | PRELIMINARY DESIGN DEVELOPMENT | BV | TK |
| B | 01/31/2022 | PRELIMINARY DESIGN DEVELOPMENT IDR-CR | BV | TK |
| A | 01/24/2022 | PRELIMINARY PROGRESS | BV | TK |
| No. | DATE | SUBMITTAL / REVISION DESCRIPTION | DB | APP |

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 9 (PACKAGE 5B) - CSX: SELKIRK RAIL YARD BYPASS
TEMP OFF-SITE ACCESS ROADS (2 OF 7)

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| KIEWIT PROJECT NO. | 21162 |
| DRAWING NO. | C-202 |
| DATE | 12/16/2022 |
| SH.NO. | 33 OF 96 |

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| DRAWN BY: | AR | DESIGNED BY: | BV | APPROVED BY: | TK | SCALE | AS SHOWN | DATE | 12/16/2022 |
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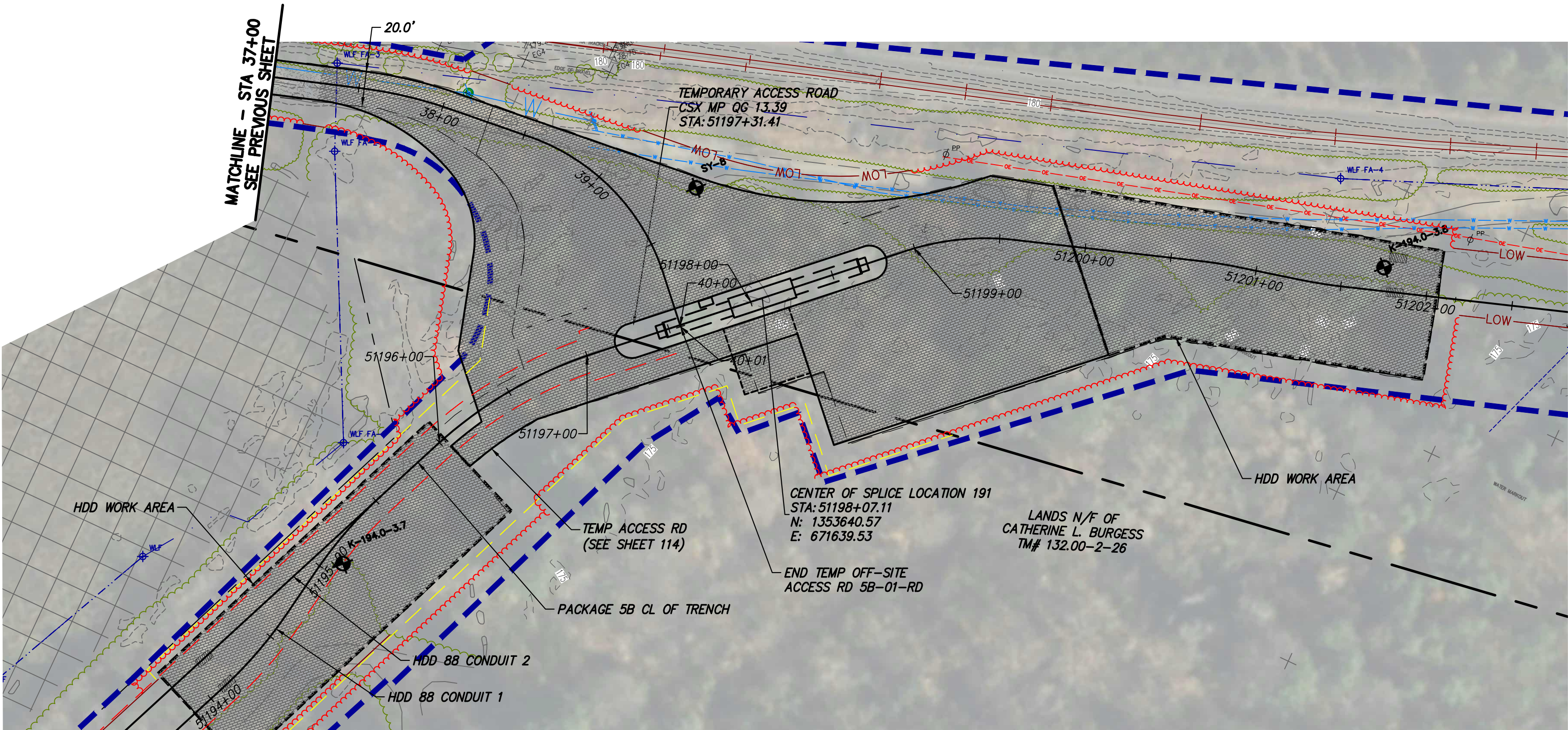
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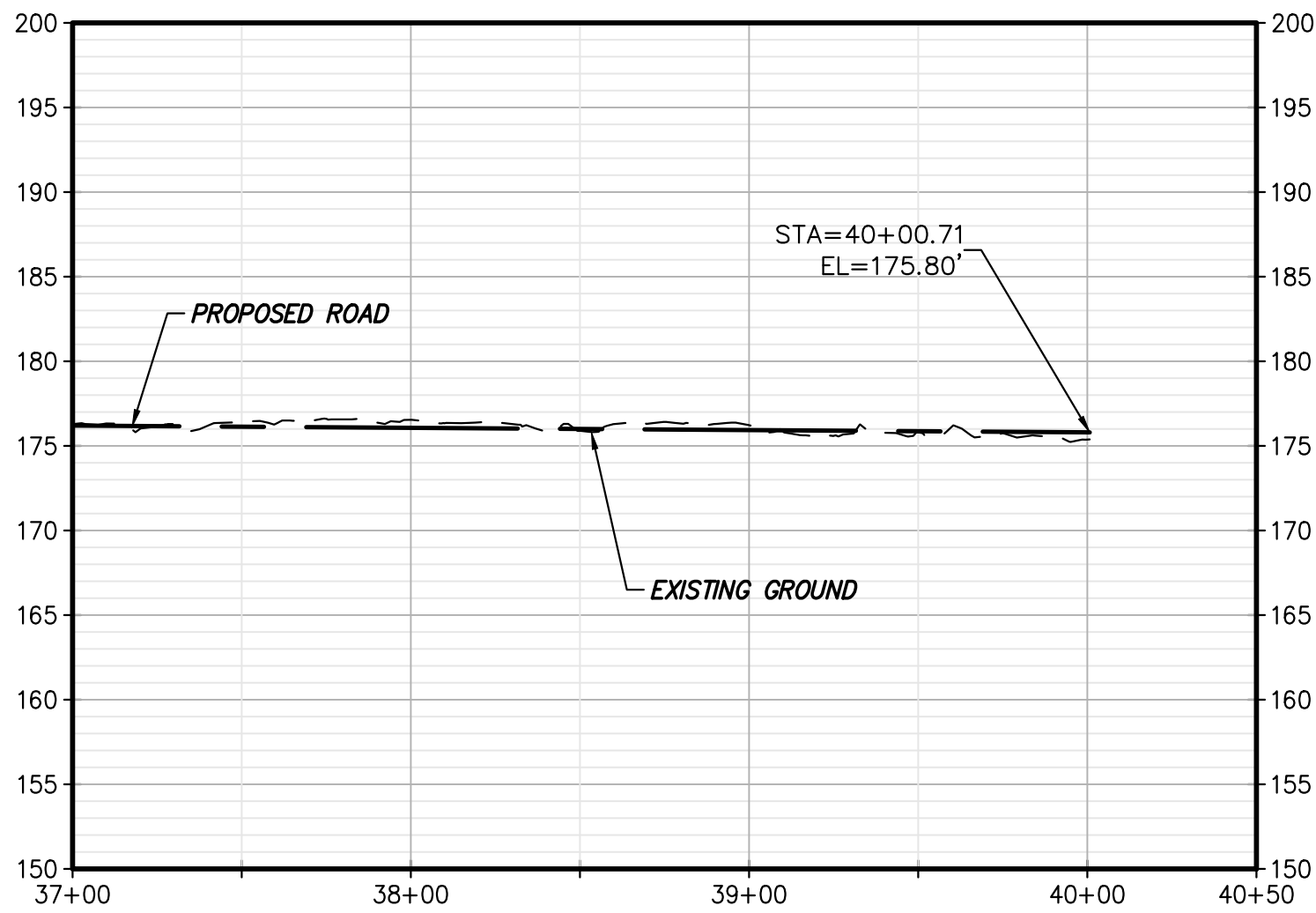
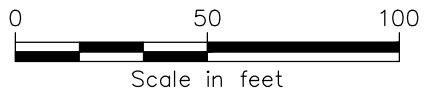
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TEMP OFF-SITE ACCESS RD 5B-01-RD PLAN VIEW
SCALE: 1" = 50'



TEMP OFF-SITE ACCESS RD 5B-01-RD PROFILE
SCALE: H: 1" = 50' V: 1" = 10'



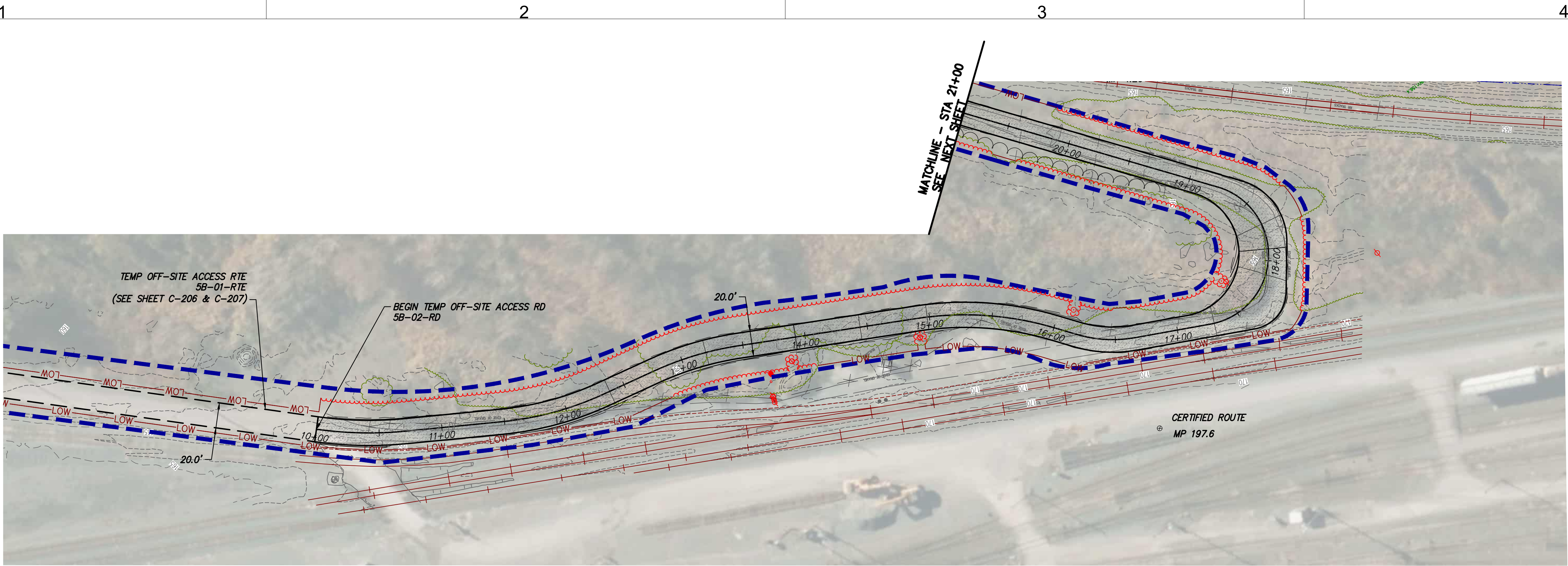
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE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

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| H | 12/16/2022 | FINAL SUBMISSION | BV | TK |
| G | 11/01/2022 | DRAFT FINAL SUBMISSION | BV | TK |
| F | 10/18/2022 | DRAFT FINAL SUBMISSION IDR-CR | BV | TK |
| E | 06/06/2022 | 60% DESIGN SUBMISSION | BV | TK |
| D | 05/16/2022 | 60% DESIGN SUBMISSION IDR-CR | BV | TK |
| C | 02/11/2022 | PRELIMINARY DESIGN DEVELOPMENT | BV | TK |
| B | 01/31/2022 | PRELIMINARY DESIGN DEVELOPMENT IDR-CR | BV | TK |
| A | 01/24/2022 | PRELIMINARY PROGRESS | BV | TK |
| No. | DATE | SUBMITTAL / REVISION DESCRIPTION | DB | APP |

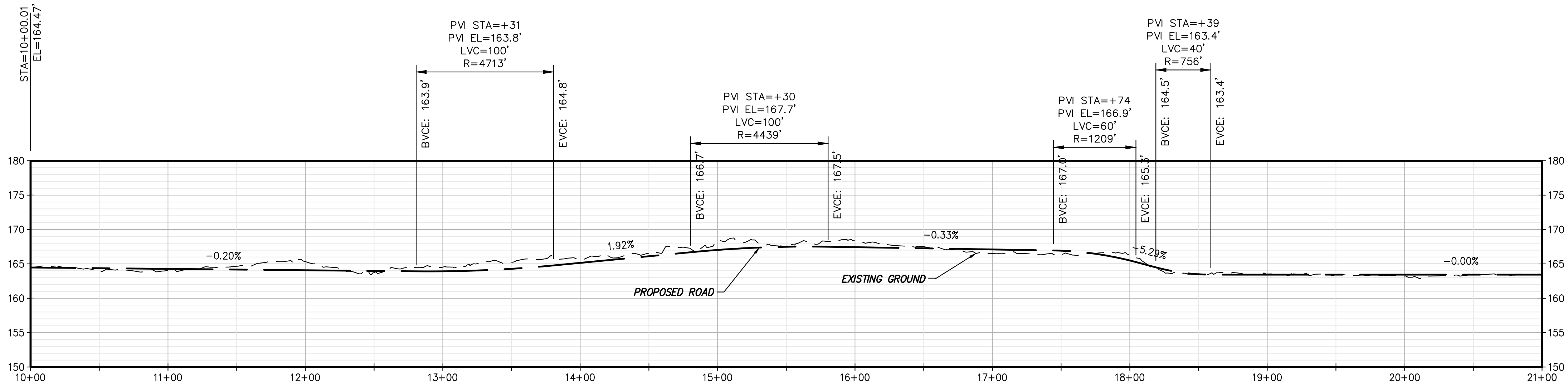
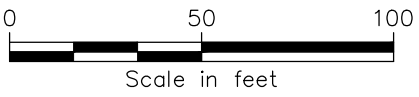
CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 9 (PACKAGE 5B) - CSX: SELKIRK RAIL YARD BYPASS
TEMP OFF-SITE ACCESS ROADS (3 OF 7)

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| KIEWIT PROJECT NO. | 21162 |
| DRAWING NO. | C-203 |
| DATE | 12/16/2022 |
| SH.NO. | 34 OF 96 |

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| DRAWN BY: | AR | DESIGNED BY: | BV | APPROVED BY: | TK | SCALE | AS SHOWN | DATE | 12/16/2022 |
| | | | | | | REV. NO. | | H | SH.NO. |



TEMP OFF-SITE ACCESS RD 5B-02-RD PLAN VIEW
SCALE: 1" = 50'



TEMP OFF-SITE ACCESS RD 5B-02-RD PROFILE
SCALE: H: 1" = 50' V: 1" = 10'

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|-----|------------|---------------------------------------|----|-----|
| H | 12/16/2022 | FINAL SUBMISSION | BV | TK |
| G | 11/01/2022 | DRAFT FINAL SUBMISSION | BV | TK |
| F | 10/18/2022 | DRAFT FINAL SUBMISSION IDR-CR | BV | TK |
| E | 06/06/2022 | 60% DESIGN SUBMISSION | BV | TK |
| D | 05/16/2022 | 60% DESIGN SUBMISSION IDR-CR | BV | TK |
| C | 02/11/2022 | PRELIMINARY DESIGN DEVELOPMENT | BV | TK |
| B | 01/31/2022 | PRELIMINARY DESIGN DEVELOPMENT IDR-CR | BV | TK |
| A | 01/24/2022 | PRELIMINARY PROGRESS | BV | TK |
| No. | DATE | SUBMITTAL / REVISION DESCRIPTION | DB | APP |

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 9 (PACKAGE 5B) - CSX: SELKIRK RAIL YARD BYPASS
TEMP OFF-SITE ACCESS ROADS (4 OF 7)

| | | |
|--------------------|------------|-----------------|
| KIEWIT PROJECT NO. | | 21162 |
| DRAWING NO. | | C-204 |
| DRAWN BY: | AR | DESIGNED BY: BV |
| APPROVED BY: | TK | SCALE AS SHOWN |
| DATE | 12/16/2022 | DATE |
| SH.NO. | 35 OF 96 | SH.NO. |

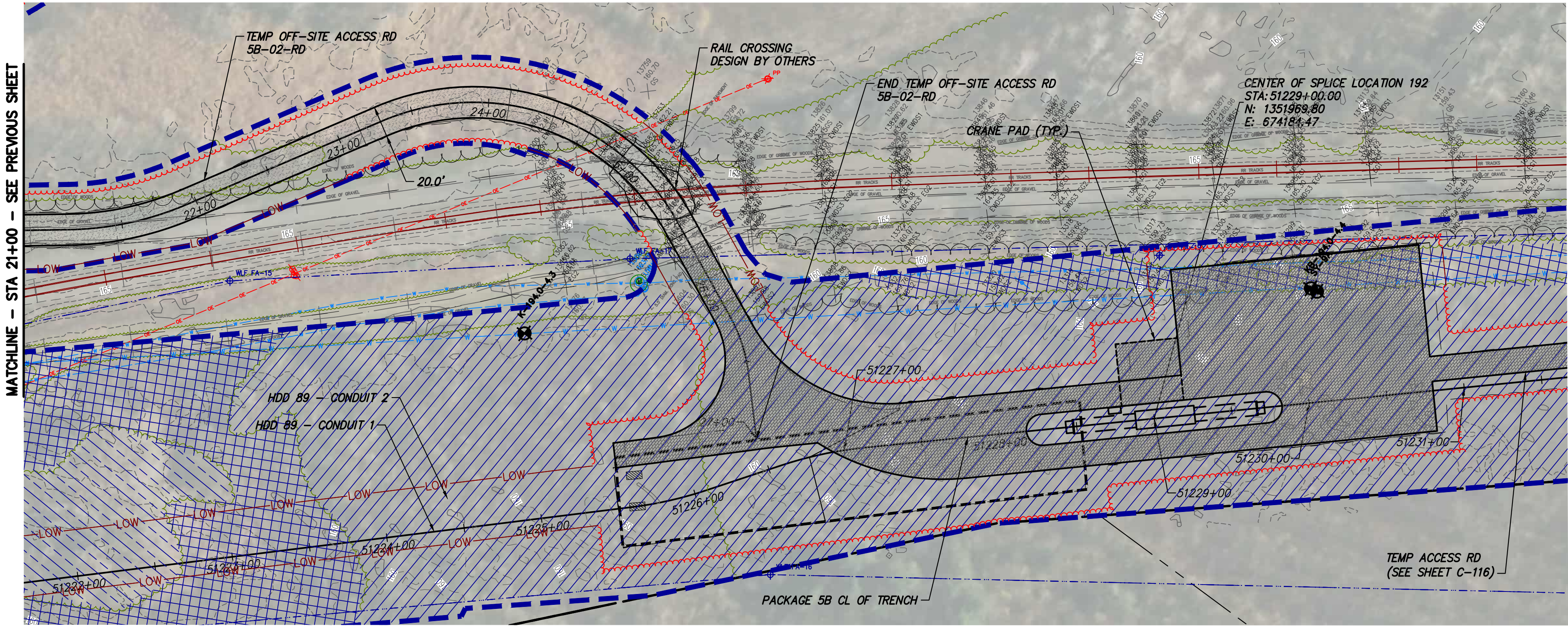
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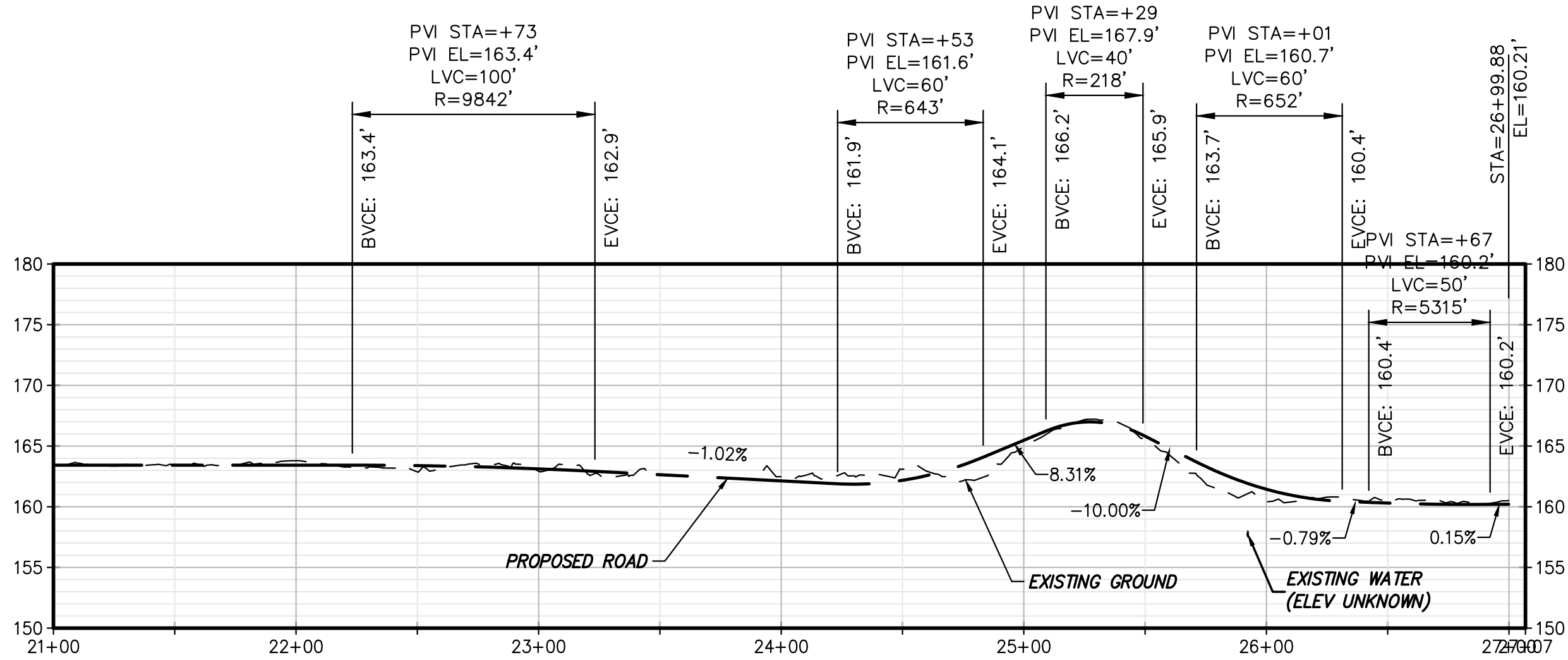
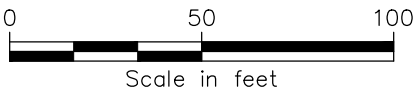
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|-----|------------|---------------------------------------|----|-----|
| H | 12/16/2022 | FINAL SUBMISSION | BV | TK |
| G | 11/01/2022 | DRAFT FINAL SUBMISSION | BV | TK |
| F | 10/18/2022 | DRAFT FINAL SUBMISSION IDR-CR | BV | TK |
| E | 06/06/2022 | 60% DESIGN SUBMISSION | BV | TK |
| D | 05/16/2022 | 60% DESIGN SUBMISSION IDR-CR | BV | TK |
| C | 02/11/2022 | PRELIMINARY DESIGN DEVELOPMENT | BV | TK |
| B | 01/31/2022 | PRELIMINARY DESIGN DEVELOPMENT IDR-CR | BV | TK |
| A | 01/24/2022 | PRELIMINARY PROGRESS | BV | TK |
| No. | DATE | SUBMITTAL / REVISION DESCRIPTION | DB | APP |

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|---|----|--------------|----|-----------------------------|----|
| CHAMPLAIN HUDSON POWER EXPRESS SEGMENT 9 (PACKAGE 5B) - CSX: SELKIRK RAIL YARD BYPASS TEMP OFF-SITE ACCESS ROADS (5 OF 7) | | | | KIEWIT PROJECT NO. 21162 | |
| | | | | DRAWING NO. C-205 | |
| | | | | DATE 12/16/2022 | |
| DRAWN BY: | AR | DESIGNED BY: | BV | APPROVED BY: | TK |
| SCALE | | AS SHOWN | | DATE | |
| REV. NO. | | H | | SH.NO. | |
| | | | | 36 OF 96 | |



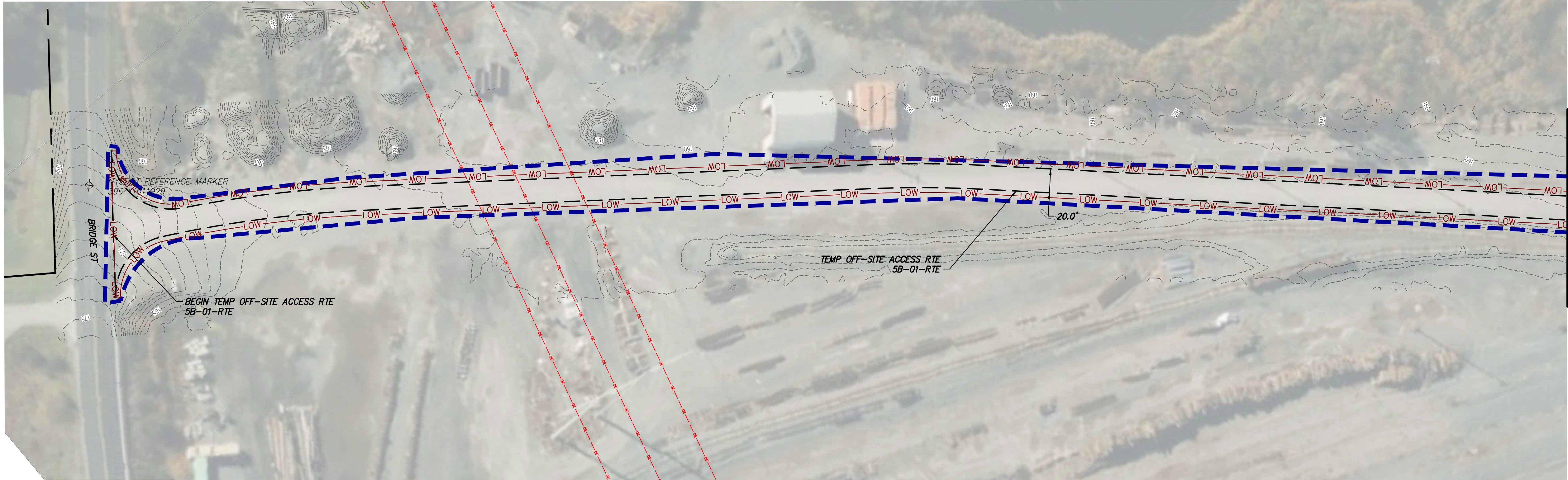
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SCALE: 1" = 50'



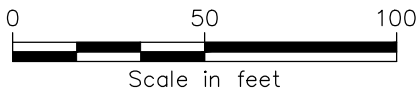
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TEMP OFF-SITE ACCESS RD 5B-02-RD PROFILE
SCALE: H: 1" = 50' V: 1" = 10'

File: P:\XIE-CHPE\3-DES\02-RDW\SHTS\PSB\21162_5B_C_AR_206-207.DWG Saved: 11/7/2022 10:37:57 AM Plotted: 12/9/2022 3:56:06 PM Current User: Keren.Quinteros LastSavedBy: Abraham.Infante



TEMP OFF-SITE ACCESS RTE 5B-01-RTE PLAN VIEW
SCALE: 1" = 50'



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|-----|------------|---------------------------------------|----|-----|
| H | 12/16/2022 | FINAL SUBMISSION | BV | TK |
| G | 11/01/2022 | DRAFT FINAL SUBMISSION | BV | TK |
| F | 10/18/2022 | DRAFT FINAL SUBMISSION IDR-CR | BV | TK |
| E | 06/06/2022 | 60% DESIGN SUBMISSION | BV | TK |
| D | 05/16/2022 | 60% DESIGN SUBMISSION IDR-CR | BV | TK |
| C | 02/11/2022 | PRELIMINARY DESIGN DEVELOPMENT | BV | TK |
| B | 01/31/2022 | PRELIMINARY DESIGN DEVELOPMENT IDR-CR | BV | TK |
| A | 01/24/2022 | PRELIMINARY PROGRESS | BV | TK |
| No. | DATE | SUBMITTAL / REVISION DESCRIPTION | DB | APP |

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 9 (PACKAGE 5B) - CSX: SELKIRK RAIL YARD BYPASS
TEMP OFF-SITE ACCESS ROADS (6 OF 7)

| | | |
|--------------------|------------|-----------------|
| KIEWIT PROJECT NO. | | 21162 |
| DRAWING NO. | | C-206 |
| DRAWN BY: | AR | DESIGNED BY: BV |
| APPROVED BY: | TK | SCALE AS SHOWN |
| DATE | 12/16/2022 | SH.NO. 37 OF 96 |

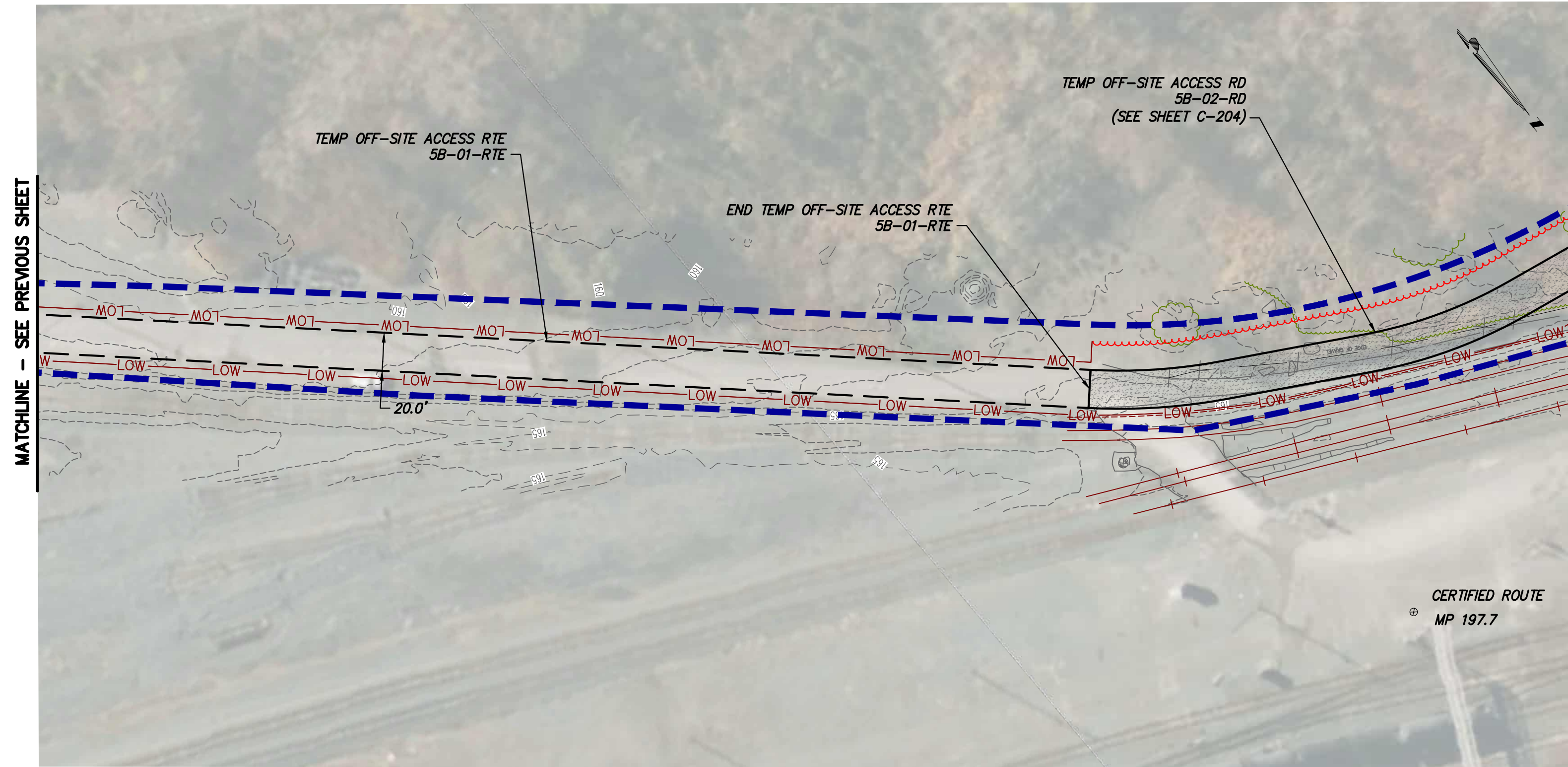
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1

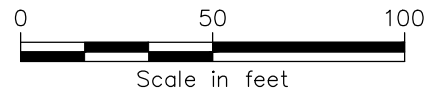
2

3

4



TEMP OFF-SITE ACCESS RTE 5B-01-RTE PLAN VIEW
SCALE: 1" = 50'



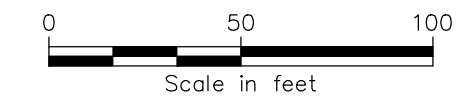
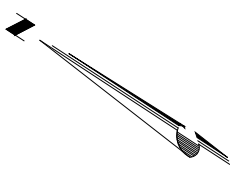
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE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

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| A | 01/24/2022 | PRELIMINARY PROGRESS | BV | TK |
| No. | DATE | SUBMITTAL / REVISION DESCRIPTION | DB | APP |

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 9 (PACKAGE 5B) - CSX: SELKIRK RAIL YARD BYPASS
TEMP OFF-SITE ACCESS ROADS (7 OF 7)

| | |
|--------------------|------------|
| KIEWIT PROJECT NO. | 21162 |
| DRAWING NO. | C-207 |
| DATE | 12/16/2022 |
| SH.NO. | 38 OF 96 |

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| DRAWN BY: | AR | DESIGNED BY: | BV | APPROVED BY: | TK | SCALE | AS SHOWN | DATE | 12/16/2022 |
| | | | | | | REV. NO. | H | SH.NO. | 38 OF 96 |



BETHLEHEM LAYDOWN YARD PLAN VIEW
SCALE: 1" = 50'

- STAGING AND LAYDOWN AREA NOTES:
1. CONTRACTOR TO INSTALL EROSION CONTROL MEASURES PRIOR TO CONSTRUCTION OF THE LAYDOWN AREA.
 2. FOR CONSTRUCTION OF THE LAYDOWN AREA, INSTALL FABRIC AND STONE DIRECTLY ON EXISTING GRADE.
 3. LAYDOWN AREA SHALL NOT BE CONSTRUCTED WITHIN WETLAND AREAS.
 4. FUELING OPERATIONS SHALL NOT TAKE PLACE WITHIN 100 FEET OF ANY KNOWN WETLAND OR STREAM OR WITHIN 200 FEET OF ANY POTABLE WATER SOURCE.
 5. AFTER CONSTRUCTION HAS BEEN COMPLETED, CONTRACTOR SHALL REMOVE STONE, FABRIC, AND RESTORE TO EXISTING CONDITIONS.



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| A | 01/24/2022 | PRELIMINARY PROGRESS | BV | TK |
| No. | DATE | SUBMITTAL / REVISION DESCRIPTION | DB | APP |

CHAMPLAIN HUDSON POWER EXPRESS
SEGMENT 9 (PACKAGE 5B) - CSX: SELKIRK RAIL YARD BYPASS
LAYDOWN AREA

| | | | | | | | | | |
|-----------|----|--------------|----|--------------|----|----------|----------|---------|------------|
| DRAWN BY: | AR | DESIGNED BY: | BV | APPROVED BY: | TK | SCALE | AS SHOWN | DATE | 12/16/2022 |
| | | | | | | REV. NO. | H | SH. NO. | 39 OF 96 |

C-208

KIEWIT PROJECT NO.
21162

DRAWING NO.

ATTACHMENT 6
WATERBODY PHOTOGRAPHS



Stream 5B-S1 – upstream
Lat: 42° 32' 53"N Long: -73° 50' 29"W



Stream 5B-S1 - downstream

Segment 9 – Package 5B

SITE PHOTOGRAPHS

Champlain Hudson Power Express