

ENVIRONMENTAL INFORMATION REQUEST RESPONSE ATTACHMENTS

Resource Report 1 Request No. 13 Attachment

Updated Appendix 1B, Alignment Sheets (Filed separately due to FERC eFiling file size limitations)

WBI ENERGY TRANSMISSION, INC
WAHPETON EXPANSION
PROJECT



*WAHPETON
EXPANSION PROJECT*

<i>Horizontal Project Length</i>	<i>Revision</i>
<i>319,405' / 60.49 mi</i>	<i>R1</i>
<i>Drawing Date</i>	<i>01/19/22</i>

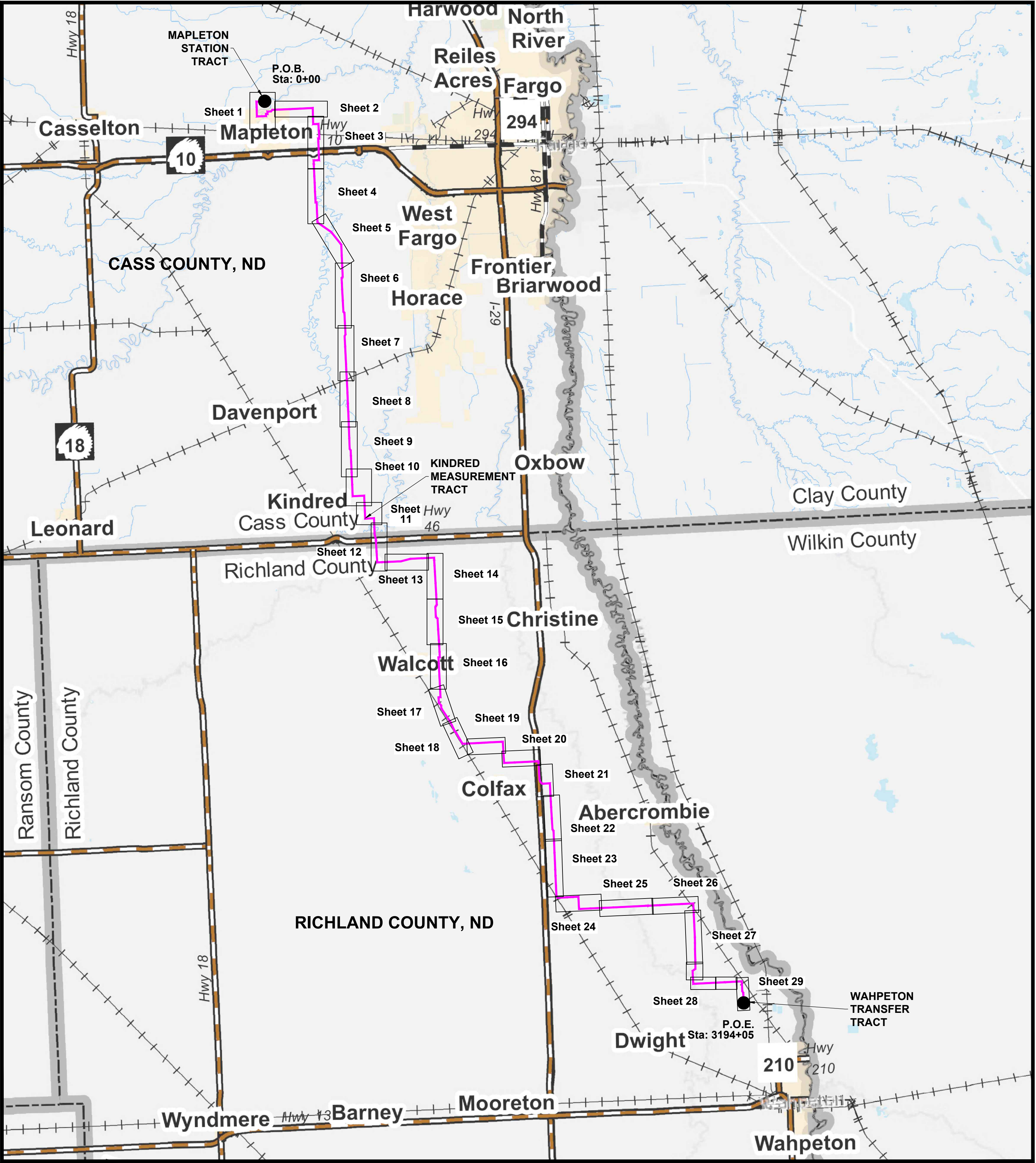


HARNED SURVEYING & ENGINEERING, INC.
11815 ROBINDALE ROAD
LOUISVILLE, KY 40243
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WAHPETON EXPANSION
PROJECT

Cass County, North Dakota
Richland County, North Dakota

Sheet Index	
Sheet 1	Sta 1+00 - 120+00
Sheet 2	Sta 120+00 - 220+00
Sheet 3	Sta 220+00 - 360+00
Sheet 4	Sta 360+00 - 500+00
Sheet 5	Sta 500+00 - 630+00
Sheet 6	Sta 630+00 - 760+00
Sheet 7	Sta 760+00 - 870+00
Sheet 8	Sta 870+00 - 980+00
Sheet 9	Sta 980+00 - 1090+00
Sheet 10	Sta 1090+00 - 1200+00
Sheet 11	Sta 1200+00 - 1270+00
Sheet 12	Sta 1270+00 - 1370+00
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Sheet 27	Sta 2860+00 - 2980+00
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Sheet 29	Sta 3080+00 - 3194+05



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Date Surveyed: JULY 2021
Surveyed By: AL
Drawing Date: 7/12/21
Drawn By: D. Smith
Checked By: J. Harned

Revision No.: R1
Revision Date: 4-18-22

HSE Project #
19-21
Coversheet



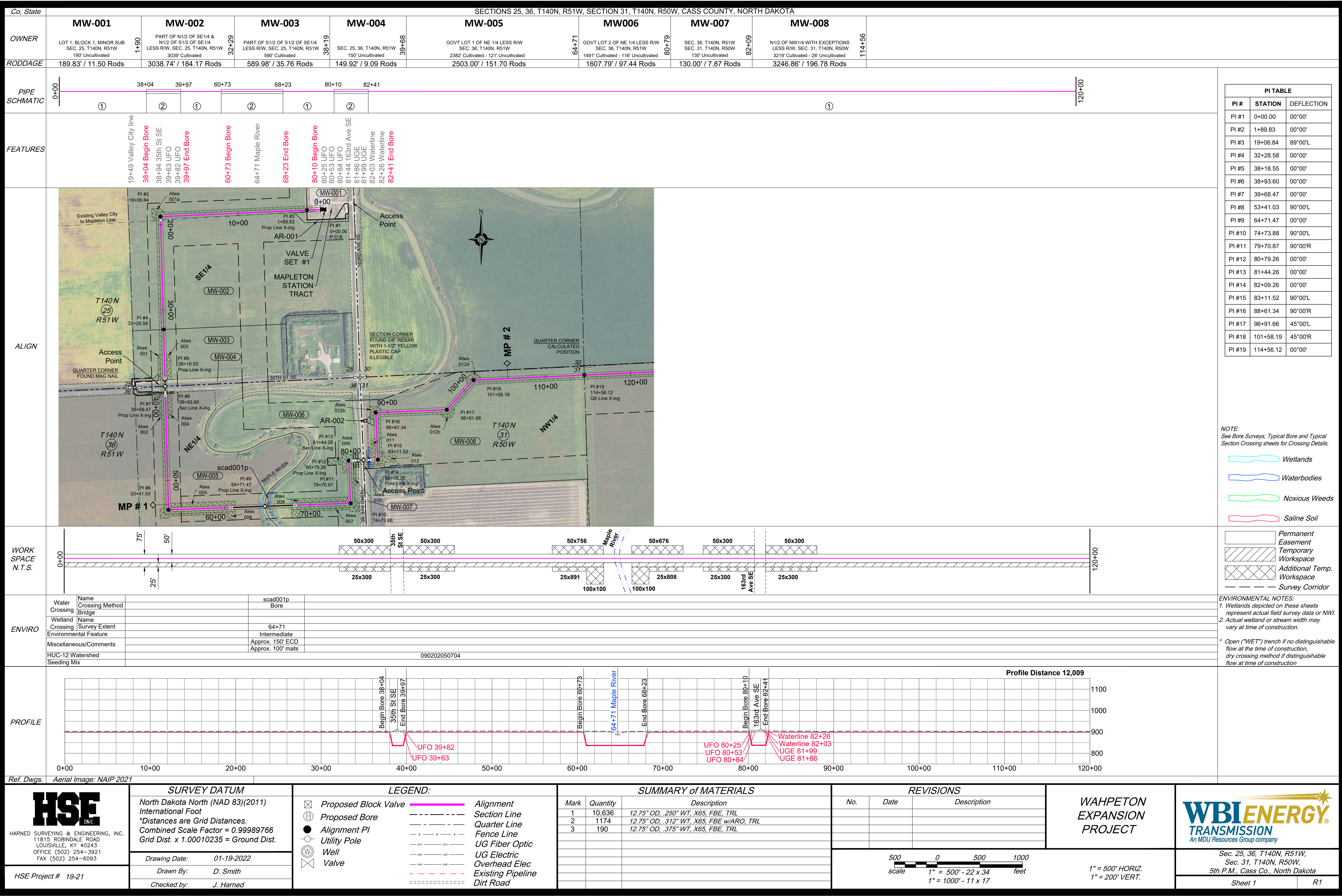
Know what's below
Call before you dig.
MT - 1-800-424-5555
ND - 1-800-795-0555

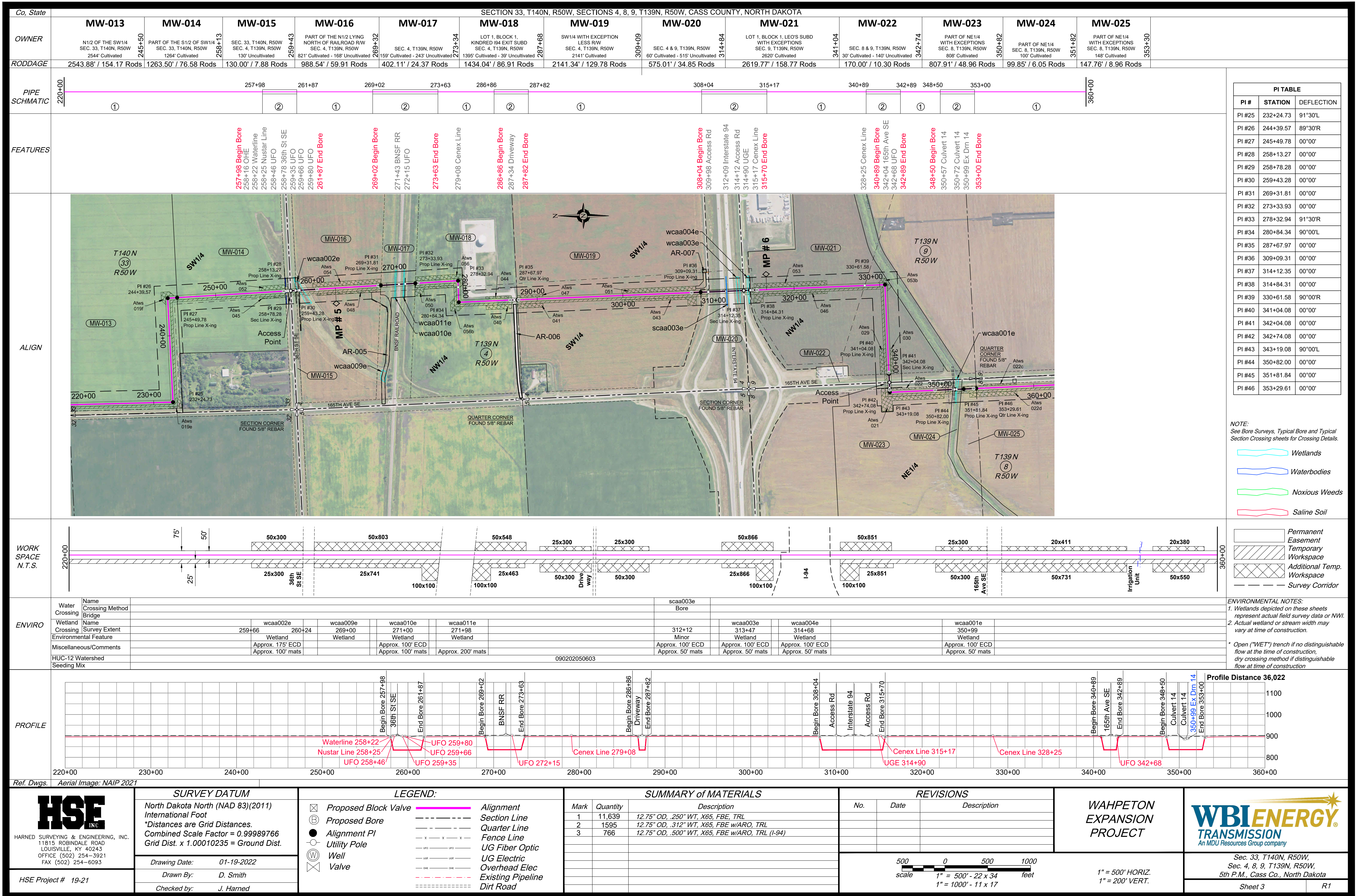
15,000 0 15,000 30,000
scale 1" = 15,000' feet

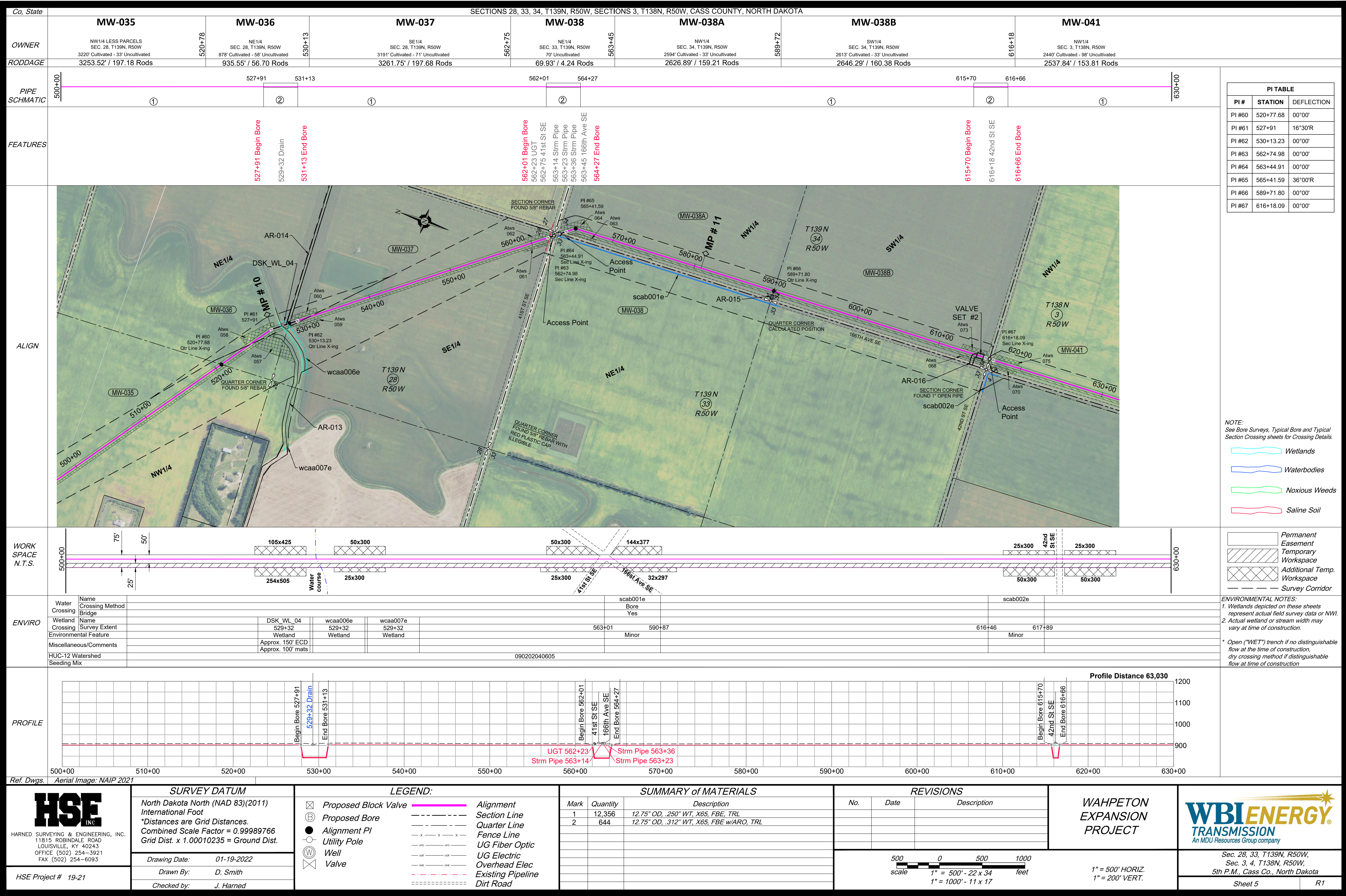
LEGEND
Proposed Pipeline Corridor



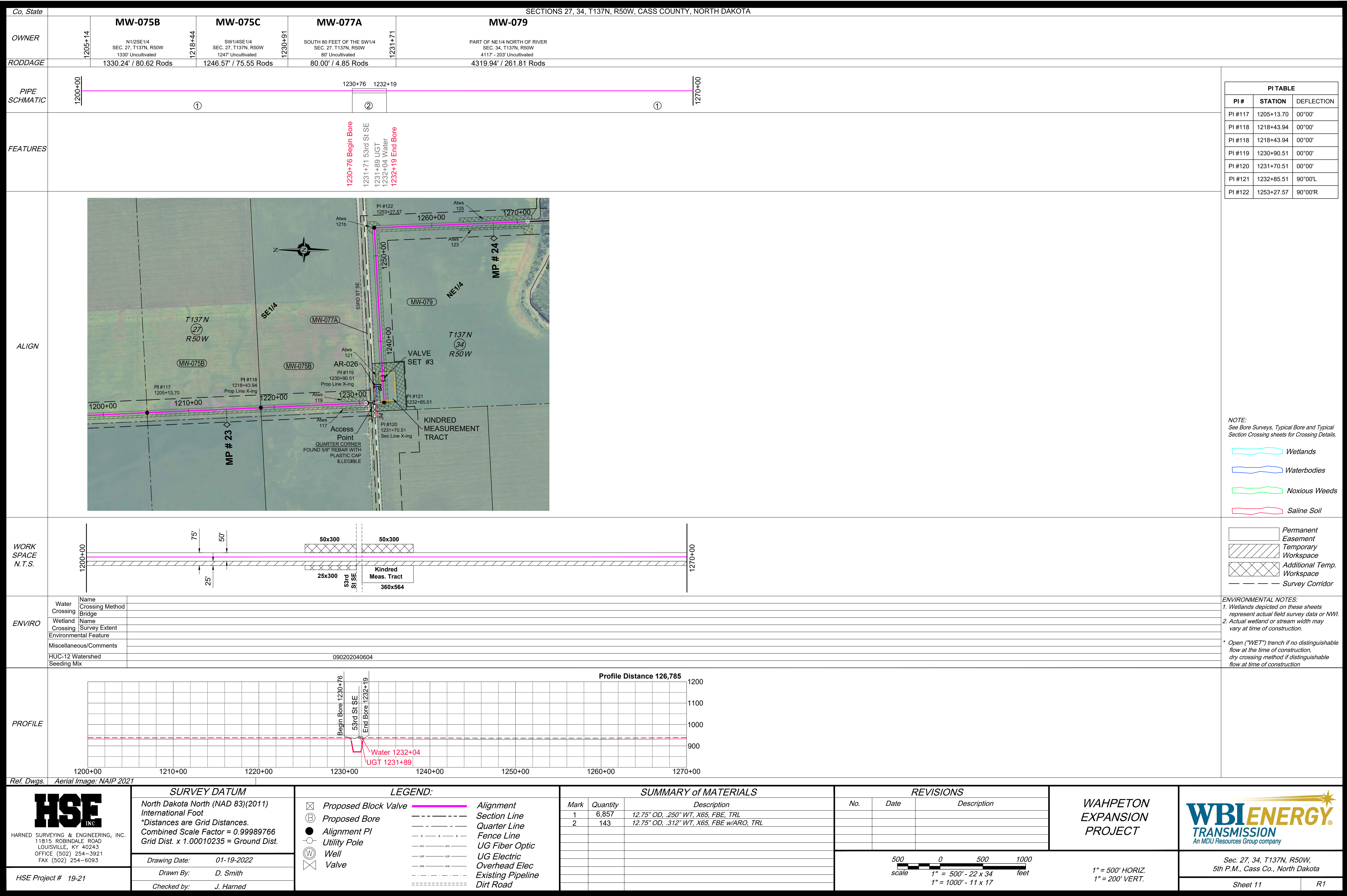
WAHPETON EXPANSION
PROJECT

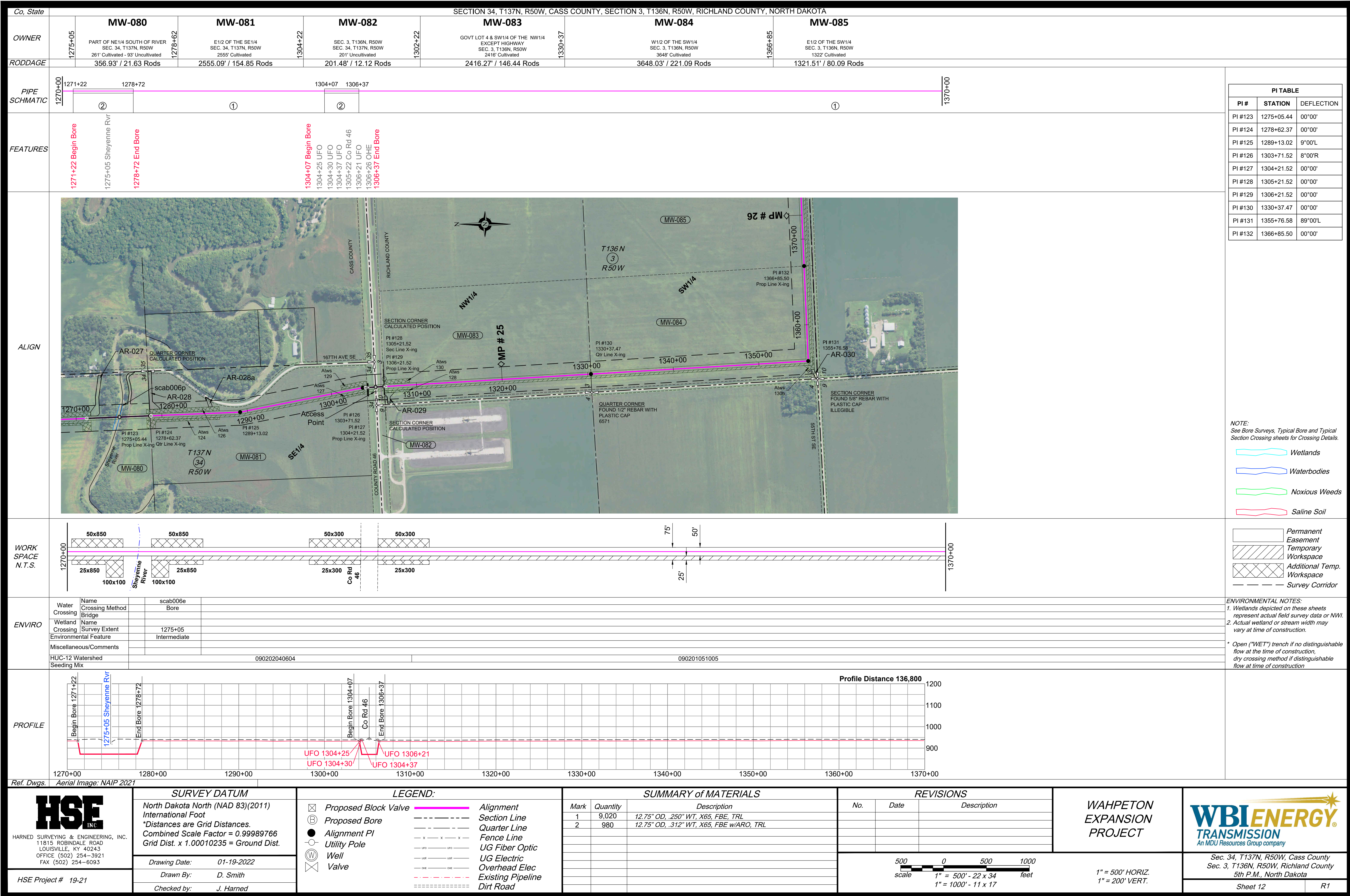


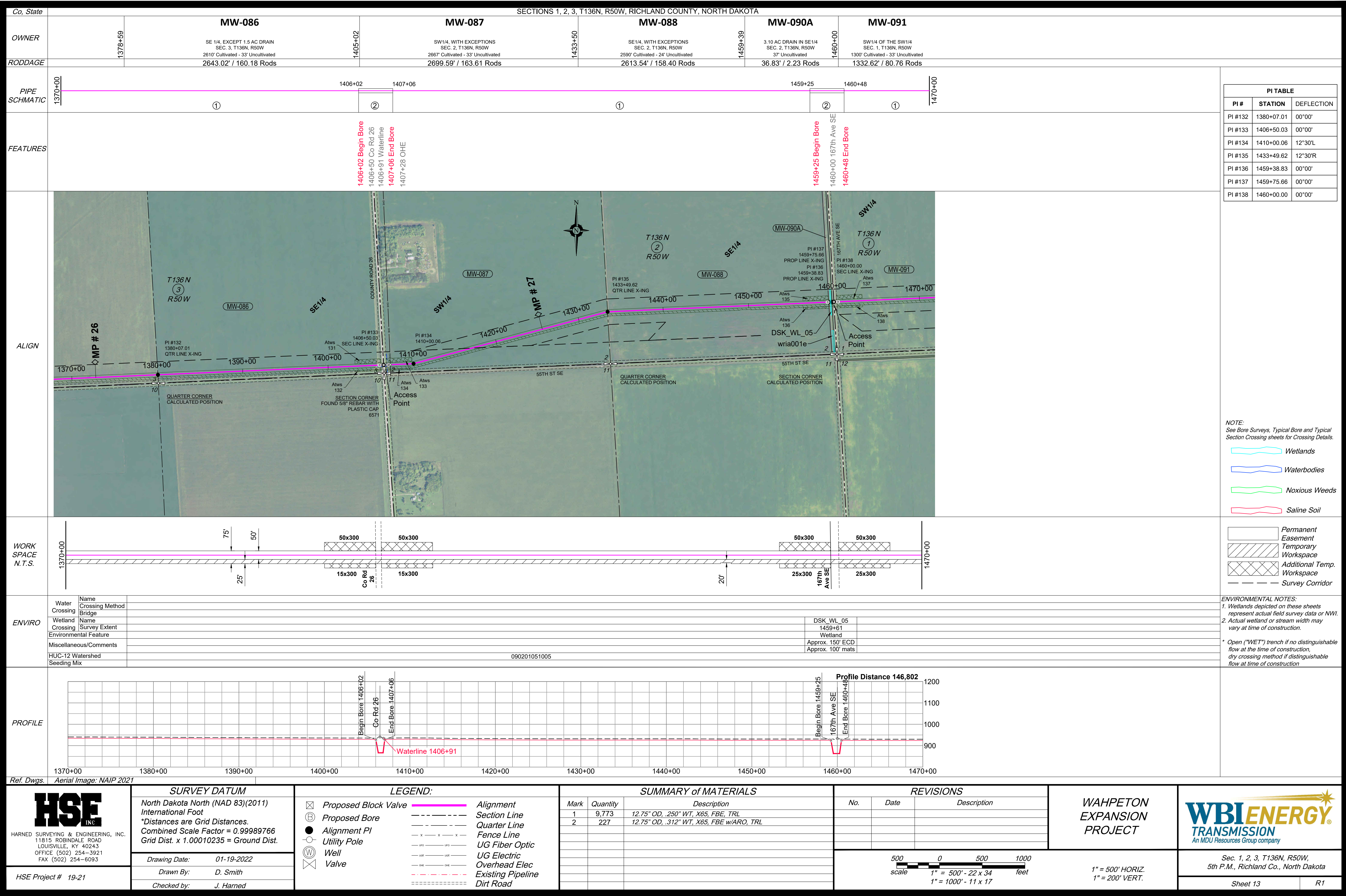




[illegible]







Co, State

MW-110MW-111MW-112MW-113MW-114MW-115

OWNER
N1/2 OF THE N1/2, OF THE NE1/4 SEC. 36, T136N, R50W
628' Cultivated - 33' Uncultivated
660.99' / 40.06 Rods
S1/2 OF THE N1/2, OF THE NE1/4 SEC. 36, T136N, R50W
721' Cultivated
721.17' / 43.71 Rods
N1/2 OF THE NW1/4 SEC. 36, T136N, R50W
260' Uncultivated
259.83' / 15.75 Rods
S1/2 OF THE NW1/4, WITH EXCEPTIONS, SEC. 36, T136N, R50W
929' Cultivated - 393' Uncultivated
1321.87' / 80.11 Rods
SW1/4, WITH EXCEPTIONS SEC. 36, T136N, R50W
2529' Cultivated - 107' Uncultivated
2636.14' / 159.77 Rods
GOVT LOT 3 & SE1/4 OF THE NW1/4 SEC. 1, T135N, R50W
2625' Cultivated - 75' Uncultivated
2699.55' / 163.61 Rods

RODDAGE
1708+87
1708+00
1708+24
1709+35
1722+70
1725+29
1738+51
1763+97
1764+87 Co Rd 2
1765+77
1791+87
1800+00

PIPE SCHEMATIC
①②①②①

FEATURES
1708+24 Begin Bore
1708+39 Waterline
1708+87 59th St SE
1709+35 End Bore
1763+97 Begin Bore
1764+87 Co Rd 2
1765+77 End Bore

ALIGN

NOTE:
See Bore Surveys, Typical Bore and Typical Section Crossing sheets for Crossing Details

Legend:

- Wetlands
- Waterbodies
- Noxious Weeds
- Saline Soil

Legend:

- Permanent Easement
- Easement
- Temporary Workspace
- Additional Temp. Workspace
- Survey Corridor

WORK SPACE
N.T.S.
1700+00
50x300
25x300
59th St SE
1710+00
50x300
25x300
1720+00
75'
50'
25'
1730+00
50x300
25x300
Co Rd 2
50x300
25x300
1760+00
50x300
25x300
1770+00
50x300
25x300
1800+00

ENVIRO
Name
Crossing Method
Bridge
Name
wrib003e
wrib004e
wrib005e
wrib006e
wrib007e
wric001e
wrib013e
Name
Survey Extent
Environmental Feature
Miscellaneous/Comments
HUC-12 Watershed
Seeding Mix
090201051005

ENVIRONMENTAL NOTES:
1. Wetlands depicted on these sheets represent actual field survey data or NWI.
2. Actual wetland or stream width may vary at time of construction.
* Open ("WET") trench if no distinguishable flow at the time of construction, dry crossing method if distinguishable flow at time of construction

PROFILE
Profile Distance 179,818
1700+00
1710+00
1720+00
1730+00
1740+00
1750+00
1760+00
1770+00
1780+00
1790+00
1800+00
Begin Bore 1708+24
59th St SE
End Bore 1709+35
Waterline 1708+39
Begin Bore 1763+97
Co Rd 2
End Bore 1765+77
900
1000
1100
1200

Ref. Dwgs. Aerial Image: NAIP 2021

HSE INC
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SURVEY DATUM
North Dakota North (NAD 83)(2011)
International Foot
*Distances are Grid Distances.
Combined Scale Factor = 0.99989766
Grid Dist. x 1.00010235 = Ground Dist.

Drawing Date: 01-19-2022
Drawn By: D. Smith
Checked by: J. Harned

LEGEND:
Proposed Block Valve
Proposed Bore
Alignment PI
Utility Pole
Well
Valve
Alignment
Section Line
Quarter Line
Fence Line
UG Fiber Optic
UG Electric
Overhead Elec
Existing Pipeline
Dirt Road

SUMMARY of MATERIALS
Mark
Quantity
Description
1
9,709
12.75" OD, .250" WT, X65, FBE, TRL
2
291
12.75" OD, .312" WT, X65, FBE w/ARO, TRL

REVISIONS
No.
Date
Description

WAHPETON EXPANSION PROJECT

WBENERGY TRANSMISSION
An MDU Resources Group company

Sec. 36, T136N, R50W,
Sec. 1, T135N, R50W,
5th P.M., Richland Co., North Dakota
Sheet 16
R1

scale
500 0 500 1000 feet
1" = 500' HORIZ.
1" = 200' VERT.



