

July 5, 2022

Mr. Steve Kahl
Executive Director
North Dakota Public Service Commission
600 E. Boulevard, Dept. 408
Bismarck, ND 58505-0480

By FedEx and E-mail (ndpsc@nd.gov)

Re: Magellan Pipeline Company, L.P.'s Certification Relating to North Dakota Century
Code § 49-22.1-01(3)(a)
Case No. PU-22-__

Dear Mr. Kahl:

Enclosed for filing please find one original and two copies of Magellan Pipeline Company, L.P.'s ("Magellan") Certification Relating to North Dakota Century Code § 49-22.1-01(3)(a).

As set forth in the filing, Magellan intends to replace an approximately 2,200 feet segment of its existing Alexandria-to-Grand Forks #1-6" liquid products pipeline and install two valves, in connection with and to accommodate the Fargo-Moorhead Metropolitan Area Flood Risk Management Project's Diversion Channel.

Magellan requests that the Commission acknowledge receipt of the attached Certification, and thanks the Commission and its Staff in advance for its work.

If you have any questions regarding this matter, please let me know.

Sincerely,

/s/ Patrick D.J. Mahlberg

Patrick D.J. Mahlberg
Direct Dial: 612.492.7419
Email: pmahlberg@fredlaw.com

1 PU-22-309 Filed 07/05/2022 Pages: 10
Certification relating to § 49-22.1-01(3)(a)
Magellan Pipeline Company, L.P.
Patrick D.J. Mahlberg

STATE OF NORTH DAKOTA

PUBLIC SERVICE COMMISSION

**Magellan Pipeline Company, L.P.
Refined Petroleum Products Pipeline – Cass County
Siting Exclusion Certification**

Case No. PU-22-_____

**CERTIFICATION RELATING TO
NORTH DAKOTA CENTURY CODE § 49-22.1-01(3)(a)(4)**

STATE OF OKLAHOMA)
) ss.
COUNTY OF TULSA)

Jason Smith, being first duly sworn upon oath, states and alleges as follows:

1. I am Vice President of Asset Integrity for Magellan Pipeline Company, L.P. (“Magellan”), and am a duly authorized agent with the authority to act on behalf of and bind Magellan.

2. As a result of, and pursuant to an agreement with the Metro Flood Diversion Authority regarding the Diversion Channel and Associated Infrastructure for the Fargo-Moorhead Metropolitan Area Flood Risk Management Project (“Diversion Project”), Magellan intends to install an approximately 2,203 feet-long segment of new pipeline as replacement of a similar-length segment of its existing 6265 Alexandria-to-Grand Forks #1-6” liquid products pipeline (the “Pipeline”), install one new valve, and replace an existing valve with a proximately-located, remotely-operated valve, located entirely in Cass County, North Dakota. The Diversion Project has requested Magellan to replace the Pipeline segment—by installing a replacement segment in approximately the same location, at a slight offset and at a deeper depth—in order to accommodate construction and operation of the Diversion Project’s Water Diversion Channel.

3. The Pipeline was originally constructed in and around the late 1940s. Therefore, for purposes of N.D.C.C. § 49-22.1-01(3), a corridor width of 350 feet on either side of the centerline is applied pursuant to N.D.C.C. § 49-22.1-01(3)(a)(1)(c) (the “Corridor”).

4. The Magellan project involves replacing a portion of its Pipeline with a new segment of pipe approximately the same length and generally in the same location, but that will be installed via a Horizontal Directional Drill (HDD) design to a deeper depth in order to accommodate safe construction and operation of the Diversion Project Channel (near Water Diversion Channel STA 296+00). The total length of the replacement segment is approximately 2,203 feet and is located in Sections 17 and 20, Township 141N, Range 49W. The replacement segment will travel below the to-be-constructed Diversion Project Channel and tie-in to the existing Pipeline at each end of the replacement segment. As shown on Exhibit A attached hereto, the bore entry and exit locations are placed just outside of the Diversion Channel, minimizing the scope of the project as much as possible. The Magellan project also involves installation of two isolation valve sites at existing locations along the existing Pipeline, one manually-operated mainline valve approximately 11,300 feet north of the Water Diversion Channel (MP Mile Post 117, in Section 6, Township 141N, Range 49W) and one remotely-operated valve approximately 12,000 feet south of the Water Diversion Channel (MP Mile Post 112, in Section 28, Township 141N, Range 49W), in accordance with Diversion Project requirements. The remotely-operated valve will replace an existing valve at the same approximate location. Maps depicting the Magellan project’s location for pipe replacement and the valve sites are attached hereto as Exhibit A.

5. The replaced portion of the existing Pipeline will be removed once the replacement segment is placed in service.

6. The Magellan Project's construction activities will be conducted wholly within the Corridor. Magellan holds all necessary easement rights within the Corridor.

7. In accordance with N.D.C.C. § 49-22.1-01(3)(a)(4), Magellan certifies as follows:

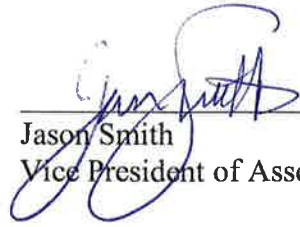
a. The Magellan project is for the construction of a replacement segment of the existing Pipeline, which is a necessary improvement to continue operating the Pipeline through the Diversion Project's project area; thus, the proposed construction activities are to improve an existing petroleum products transmission facility.

b. Magellan conducted an analysis of the Project relative to the Exclusion Areas and Avoidance Areas set forth in N.D.A.C. §§ 69-06-08-02(1)-(2). The Project will not affect any known Exclusion Areas or Avoidance Areas.

c. Magellan will comply with all applicable conditions and protections in siting laws and rules. The Pipeline was constructed prior to the Siting Act; therefore, no prior Commission orders exist that are applicable to the facility/project at issue.

8. Magellan requests that the Commission acknowledge receipt of this Certification.

FURTHER AFFIANT SAYETH NOT.



Jason Smith
Vice President of Asset Integrity



Subscribed and sworn to before me
this 1ST day of ~~June~~, 2022.

Laura A. McGinnis
Notary Public



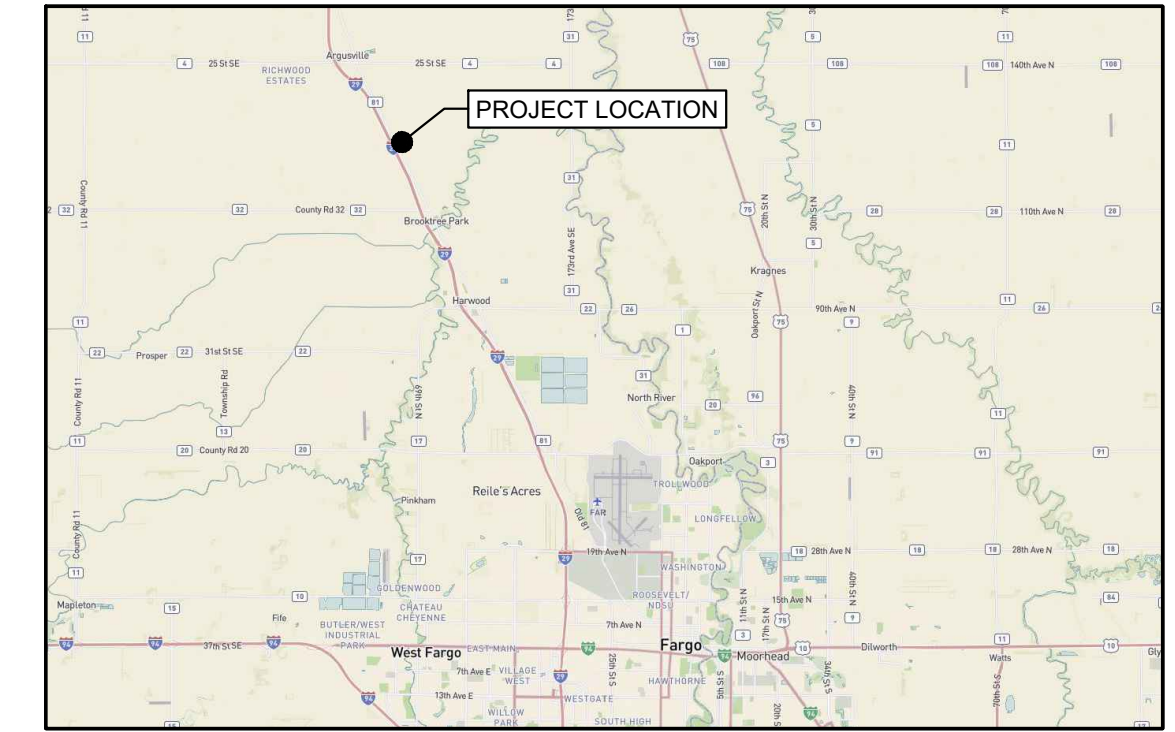
INDEX OF DRAWINGS:

COVER SHEET	- 6265-CD-00
NOTES SHEET	- 6265-CD-00A
HDD PLAN AND PROFILE	- 6265-CD-14a PLAN & PROFILE
HDD PLAN AND PROFILE	- 6265-CD-14b PLAN & PROFILE
WORKSPACE DRAWING	- 6265-CD-15 WORKSPACE

FMM WATER DIVERSION HDD

6265- ALEXANDRIA- GRAND FORKS #1-6IN

CASS COUNTY, NORTH DAKOTA

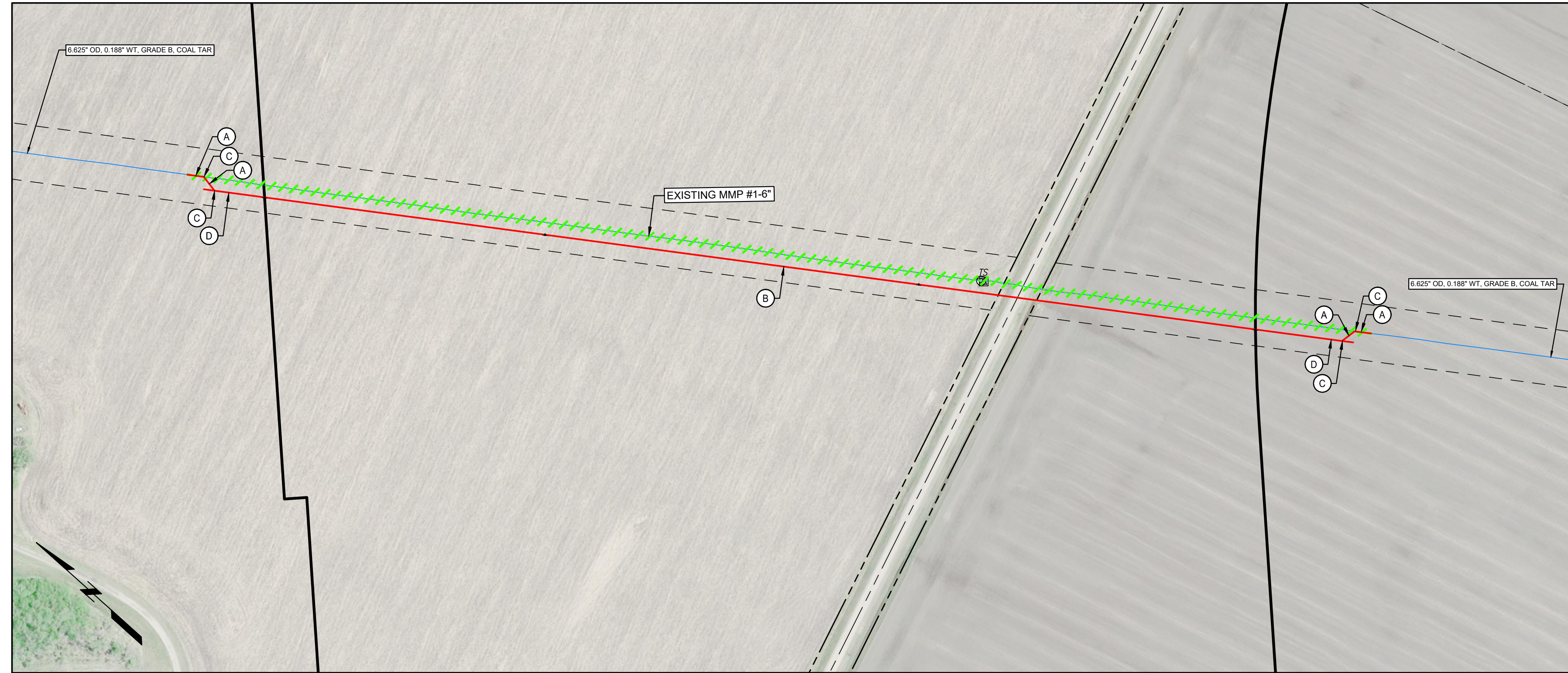


LOCATION MAP
SCALE: NONE

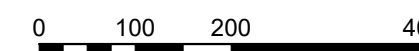
CONTACTS:

FARNSWORTH GROUP, INC.
20 ALLEN STREET, SUITE 200
ST LOUIS, MISSOURI 63119
DAMIR FAJKOVIC
PHONE: (314) 962-7900

MAGELLAN PIPELINE COMPANY, LP
ONE WILLIAMS CENTER, MD OTC-9
TULSA, OK 74172
MATT MISKELLY
PHONE: (918) 606-2542



PROJECT MAP



CONTROL POINTS:

(NAD 83, NORTH DAKOTA STATE PLANES, SOUTH ZONE, US FEET)

- CP1 - (PNT 201, #5 REBAR W/ FARNSWORTH CONTROL CAP)
N: 514571.4099
E: 2865849.0720
ELEV. 886.58'
- CP2 - (PNT 202, #5 REBAR W/ FARNSWORTH CONTROL CAP)
N: 524792.6492
E: 2859174.5970
ELEV. 885.089'
- CP3 - (PNT 203, #5 REBAR W/ FARNSWORTH CONTROL CAP)
N: 509151.2545
E: 2867060.6680
ELEV. 893.24'

EXHIBIT A TO CERTIFICATION

ISSUED FOR CONSTRUCTION
DATE: 06-03-2022

BILL OF MATERIALS:

ITEM	SIZE	MATERIAL DESCRIPTION	ORDER QUANTITY
A	6"	PIPE, 6.625" OD, 0.280" WT, API 5L/PSL-2 X-52, ERW, PEB 30 DEGREES, DRL, 14 MILS MIN DFT FBE	160 FT
B	6"	PIPE, 6.625" OD, 0.432" WT, API 5L/PSL-2 X-52, ERW, PEB 30 DEGREES, DRL, 14 MILS MIN DFT FBE, 35 MILS MIN DFT FBE	2120 FT
C	6"	SEGMENTABLE BEND, 6.625" OD, 0.280" WT MIN. 45 DEGREES, 3R BEND, MSS-SP75, ASTM A860 WPHY-52 (OR BETTER) PEB 30 DEGREES (BOTH ENDS)	4 EA
D	6"	PIPE, 6.625" OD, 0.344" WT, API 5L/PSL-2 X-52, ERW, PEB 30 DEGREES, SRL, 14 MILS MIN DFT FBE	20 FT



FMM WATER DIVERSION HDD
6265- ALEXANDRIA- GRAND FORKS #1-6IN
COVER SHEET

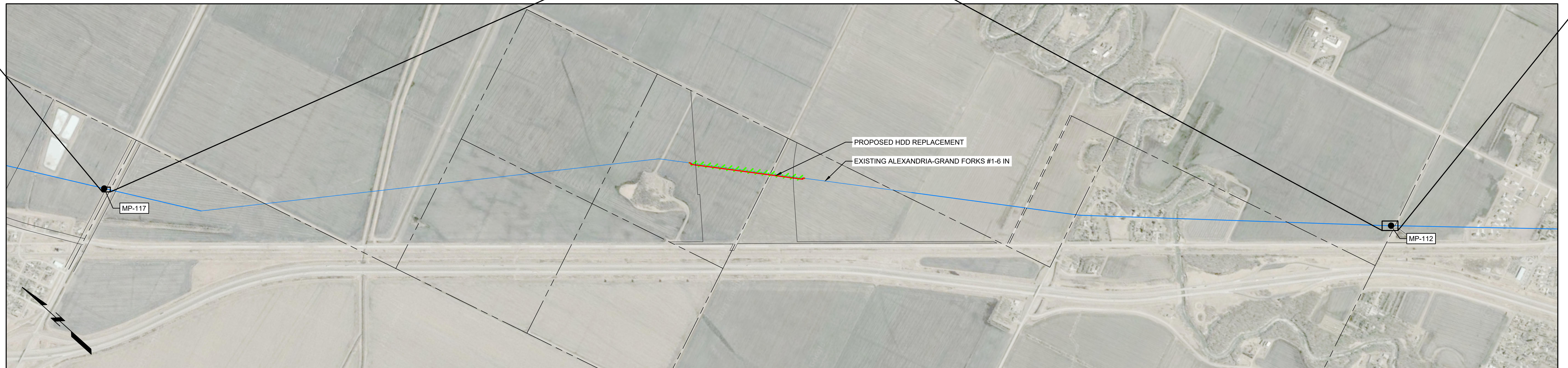
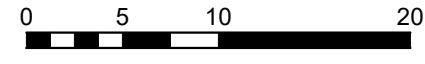
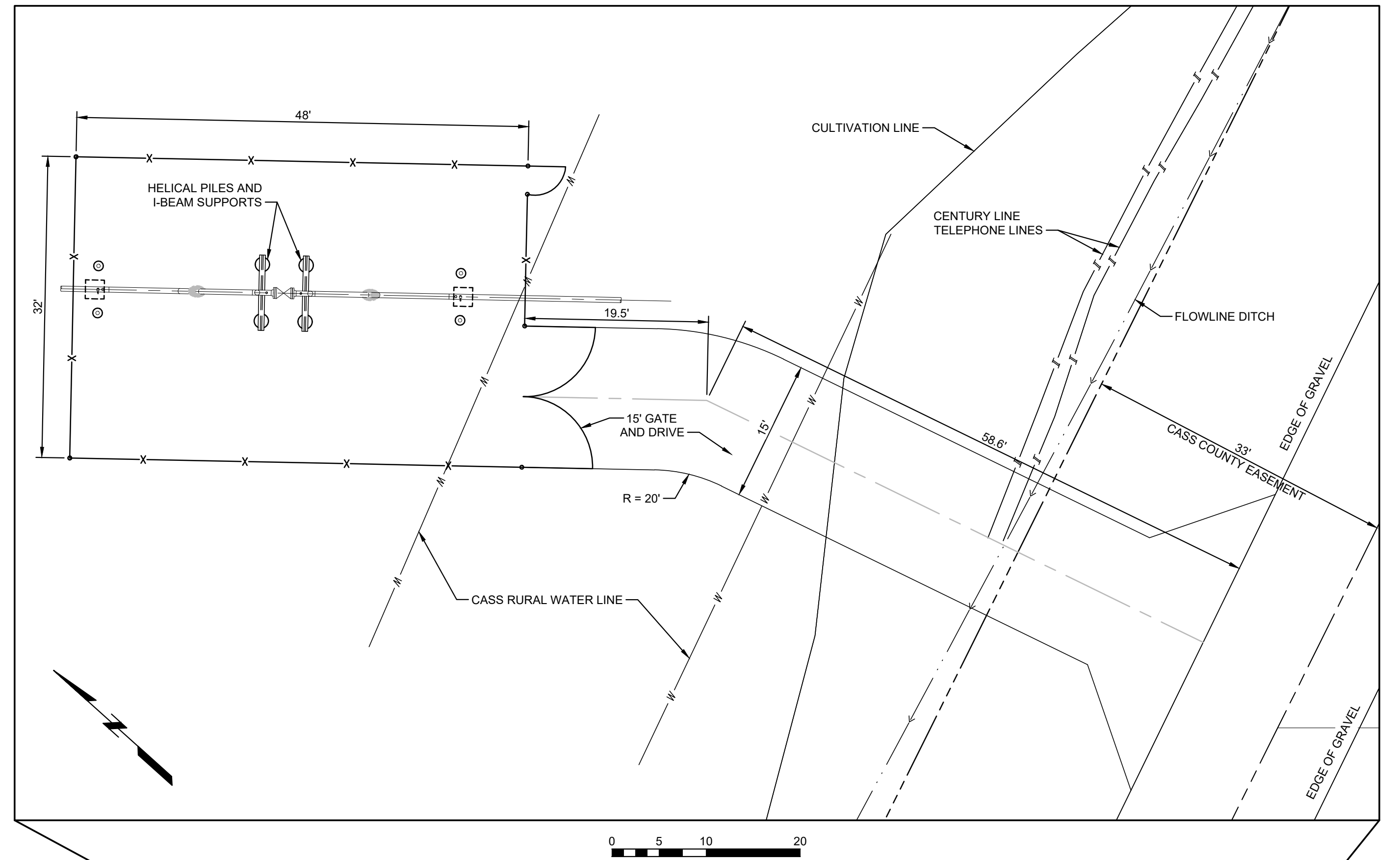
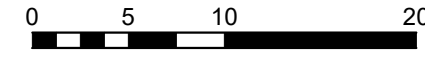
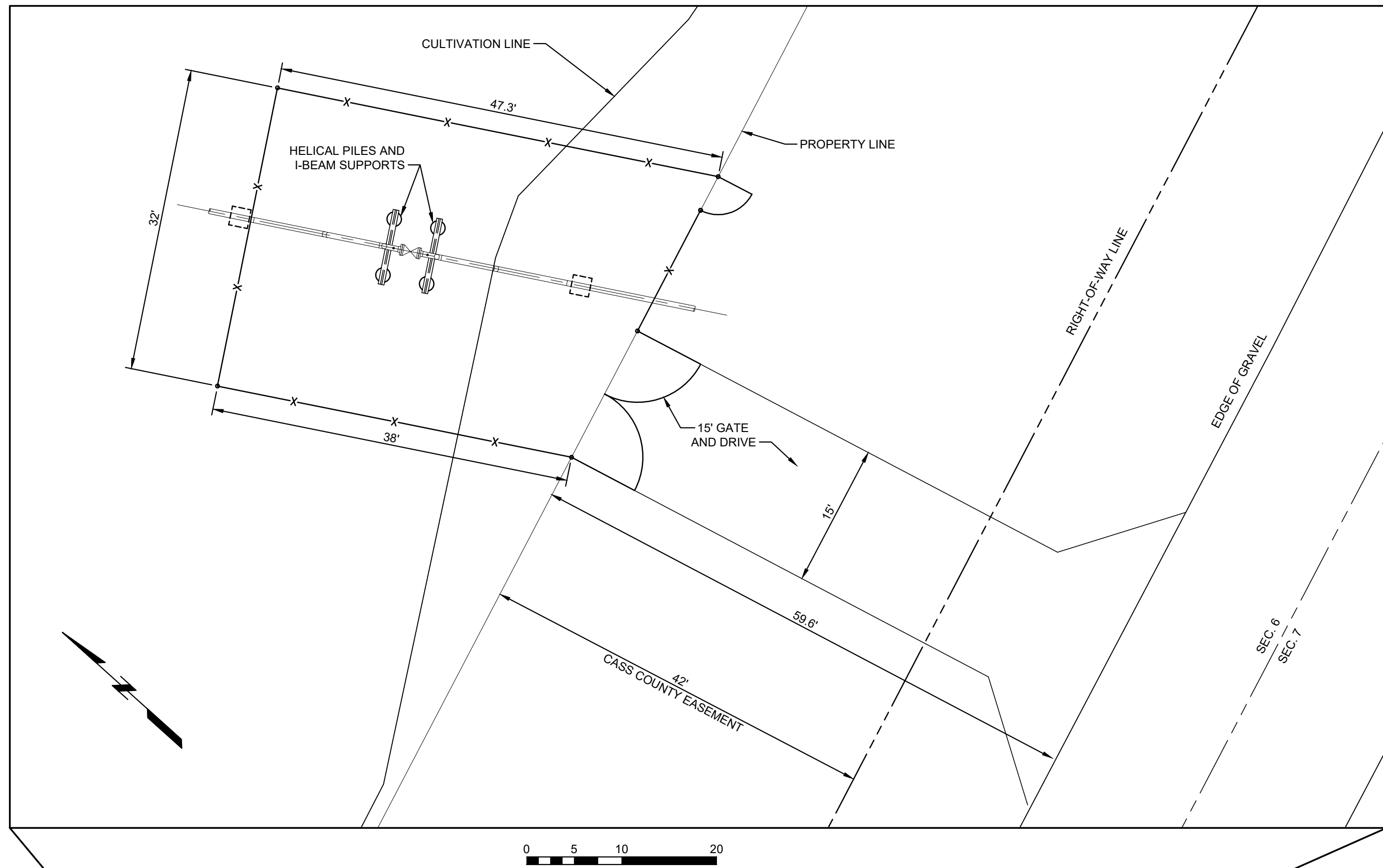
CASS COUNTY		NORTH DAKOTA	
DRAWN BY	FGI	SCALE AS NOTED	A.F.E. XXX-XXXX-XXXX
DATE DRAWN	04-12-21	DRAWING NO.	
CHECKED BY	DF	6265-CD-00	
PROJECT ENGINEER	M.MISKELLY		
APPROVED BY	XXXX		

DESIGN DATA	PIPE SPECIFICATIONS	LEGEND	NOTES:
DESIGN CODE: ASME B31.4 DOT 195	EXISTING PIPE: 6.625" OD, 0.188" WT, GRADE B, COAL TAR	EXISTING PIPELINE	1. THE COMPANY DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION SHOWN ON THIS DRAWING NOR DOES IT ACCEPT ANY RESPONSIBILITY FOR ERRORS IN LOCATION OR FOR FAILURE TO INDICATE ANY SUCH FACILITIES. 2. BURIED AND ABOVE GROUND PUBLIC AND PRIVATELY-OWNED UTILITY LOCATING, IDENTIFICATION, MARKING, AND PROTECTION ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR TO LOCATE AND VERIFY ELEVATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION. 3. MINIMUM CLEARANCE IS 2 FEET BETWEEN PROPOSED PIPELINE AND EXISTING UTILITIES AND UNDERGROUND STRUCTURES UNLESS OTHERWISE NOTED.
MEASURED LENGTH: TRENCH: 119' HDD/BORE: 2084' TOTAL: 2203'	CONVENTIONAL LAY PIPE: PIPE, 6.625" OD, 0.280" WT, API 5L/PSL-2 X-52, ERW, PEB 30 DEGREES, DRL, 14 MILS MIN DFT FBE	EXISTING PIPELINE (TO BE REMOVED)	
DESIGN PRESSURE: 1440 PSIG	HDD/BORE PIPE: PIPE, 6.625" OD, 0.432" WT, API 5L/PSL-2 X-52, ERW, PEB 30 DEGREES, DRL, 14 MILS MIN DFT FBE, 35 MILS MIN DFT FBE	PROPOSED PIPELINE	
EXISTING MOP: 1440 PSIG	TRANSITION PIPE: PIPE, 6.625" OD, 0.344" WT, API 5L/PSL-2 X-52, ERW, PEB 30 DEGREES, SRL, 14 MILS MIN DFT FBE	EASEMENT LINE	
		SECTION LINE	
		PROPERTY LINE	
		R.O.W. LINE	
		TEMPORARY CONSTRUCTION WORKSPACE	

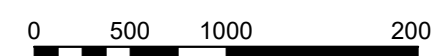
REVISION NUMBER	ISSUED FOR CONSTRUCTION	DATE	BY	PROJECT ENGINEER	APPROVED BY
F	ISSUED FOR CONSTRUCTION	06-03-22	DF	M.MISKELLY	
E	ISSUED FOR CONSTRUCTION	04-04-22	DF	J. SMITH	
D	ISSUED FOR BID REV 3	02-11-22	DF	J. SMITH	
C	ISSUED FOR BID REV 2	12-14-21	DF	J. SMITH	
B	ISSUED FOR REVIEW	08-06-21	DF	J. SMITH	

Farnsworth GROUP
20 ALLEN AVENUE, SUITE 200
ST LOUIS, MISSOURI 63119
(314) 962-7900 / info@f-w.com
www.f-w.com
Engineers | Architects | Surveyors | Scientists

J:\2021\10210293.D - MMP FMM Water Diversion Relocation\04_Drawing\DWG\C-C_HDD Design - 02-10-2023.mxd, Cover



PROJECT MAP



ISSUED FOR CONSTRUCTION
DATE: 06-03-2022

DESIGN DATA
DESIGN CODE: ASME B31.4 DOT 195
DESIGN PRESSURE: 1440 PSIG
EXISTING MOP: 1440 PSIG

LEGEND

	EXISTING PIPELINE
	EXISTING PIPELINE (TO BE REMOVED)
	PROPOSED PIPELINE
	PROPERTY LINE
	EASEMENT LINE
	SECTION LINE
	TEMPORARY CONSTRUCTION WORKSPACE

- NOTES:**
1. THE COMPANY DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION SHOWN ON THIS DRAWING NOR DOES IT ACCEPT ANY RESPONSIBILITY FOR ERRORS IN LOCATION OR FOR FAILURE TO INDICATE ANY SUCH FACILITIES.
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 3. MINIMUM CLEARANCE IS 2 FEET BETWEEN PROPOSED PIPELINE AND EXISTING UTILITIES AND UNDERGROUND STRUCTURES UNLESS OTHERWISE NOTED.

REVISION NUMBER	DRAWN BY	DATE REVISED	CHECKED BY	PROJECT ENGINEER	APPROVED BY
E					
D	FGI	06-03-22	DF	M. MISKELLY	
C	FGI	04-04-22	DF	J. SMITH	
B	FGI	02-11-22	DF	J. SMITH	
A	FGI	12-14-21	DF	J. SMITH	

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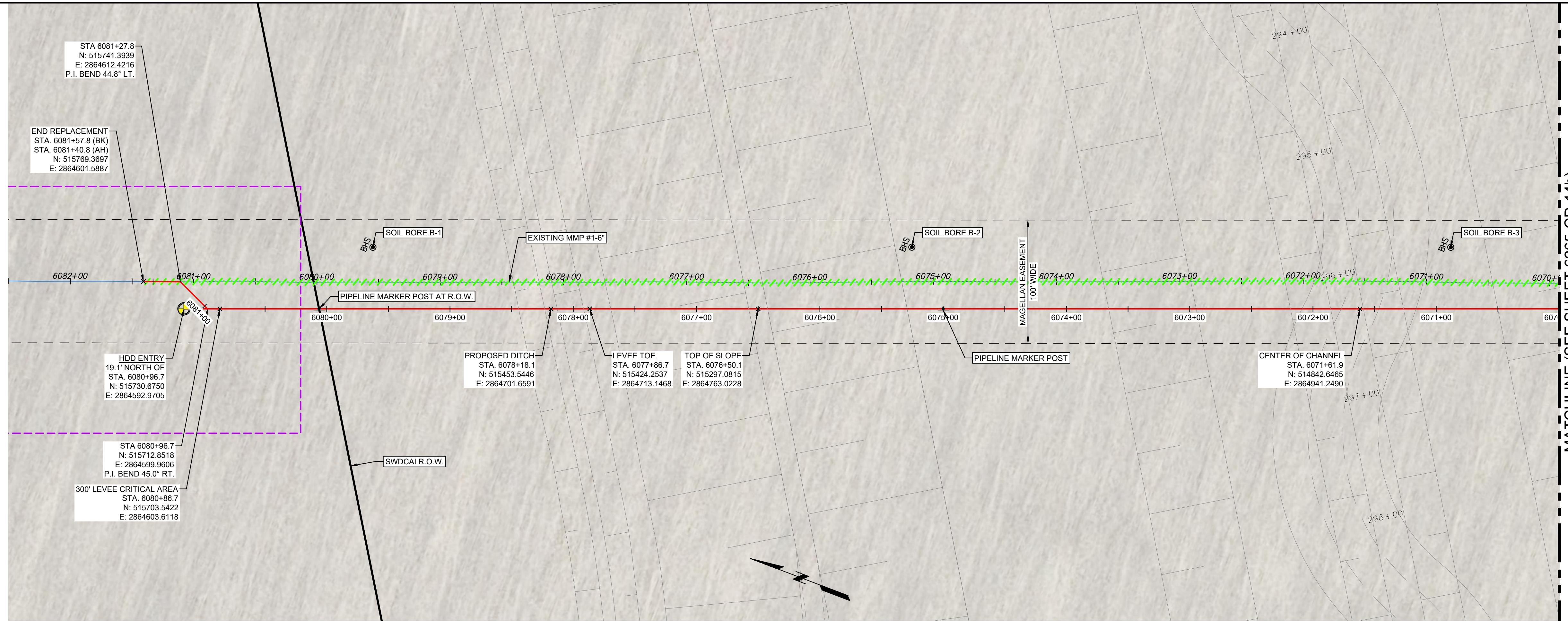
**MAINLINE VALVES MP117 & MP112
AERIAL OVERVIEW DRAWING**

CASS COUNTY NORTH DAKOTA

DRAWN BY	FGI	SCALE AS NOTED	A.F.E.	XXX-XXXX-XXXX
DATE DRAWN	04-12-21	DRAWING NO.		
CHECKED BY	DF	MMP117-D-1001		
PROJECT ENGINEER	J. SMITH			
APPROVED BY	XXXX			

HDD NOTES:

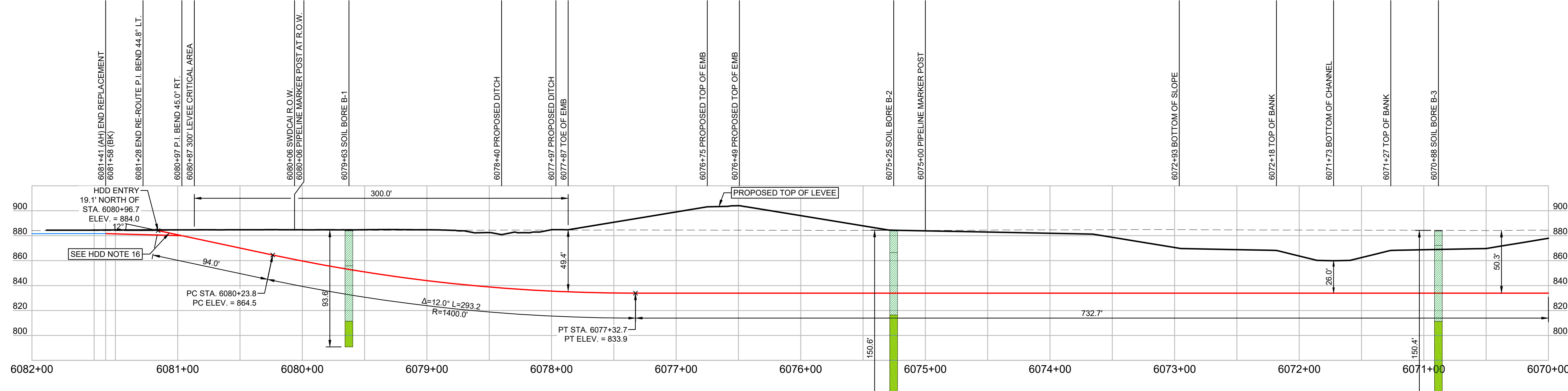
1. REFERENCE COMPANY STANDARDS FOR DIRECTIONALLY DRILLED CROSSING INSTALLATION REQUIREMENTS.
2. MINIMUM ALLOWABLE COMBINED RADIUS = 600 FEET.
3. ALIGNMENT TOLERANCE: ± 10 FEET.
4. ELEVATION TOLERANCE: +0 FEET / - 15 FEET.
5. ENTRY LOCATION TOLERANCE: ± 0 FEET.
6. EXIT LOCATION TOLERANCE: -0 FEET, +30 FEET
7. FOR ALL OTHER TOLERANCES REFER TO COMPANY STANDARDS.
8. MAXIMUM ALLOWABLE PULLBACK FORCE = 235,000 LBS PER PULL.
9. THEORETICAL PULLBACK FORCE REQUIRED = 31,000 LBS. (NO BUOYANCY CONTROL)
10. MAXIMUM ROTATIONAL TORQUE = 0 IN-LBS PER PULL.
11. MAXIMUM PIPE SUPPORT SPACING: HYDROTEST = 35 FEET; STRINGING/PULLBACK = 35 FEET.
12. PRE-PULLBACK HYDROTESTING SHALL BE IN ACCORDANCE WITH THE PROJECT-SPECIFIC HYDROTEST PLAN.
13. SOIL BORE INFORMATION PROVIDED BY TERRACON CONSULTANTS, INC. WEST FARGO, NORTH DAKOTA JUNE 16, 2021 TERRACON PROJECT NO. M1215035
14. AVOIDANCE, MITIGATION, AND CLEAN-UP OF ANY INADVERTENT RETURNS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
15. THE GEOTECHNICAL INFORMATION SHOWN ON THESE DRAWINGS AND PROVIDED IN THE GEOTECHNICAL REPORT ARE NOT A COMPLETE AND ACCURATE REPRESENTATION OF ALL THE SUBSURFACE CONDITIONS THAT MAY BE ENCOUNTERED DURING CONSTRUCTION. SUBSEQUENT INTERPRETATION OF THE GEOTECHNICAL INFORMATION PERTAINING TO THE FEASIBILITY AND/OR CONSTRUCTION OF THE DESIGN ARE THE RESPONSIBILITY OF THE CONTRACTOR.
16. CONTRACTOR TO FILL AT A MINIMUM THE FIRST 50 FEET OF ANNULAR SPACE BETWEEN THE BORE HOLE AND PRODUCT PIPE WITH GROUT. CONTRACTOR TO DETERMINE MINIMUM GROUT VOLUME AND PLAN CONTINGENCY VOLUME IN THE EVENT ADDITIONAL GROUT IS NEEDED TO ENTIRELY FILL THE FIRST 50 FEET. CONTRACTOR TO DETERMINE THE BEST METHOD TO CREATE PLUG AT THE END OF THE 50 FEET.



PLAN

NOTE:

1. SEE SOIL BORE REPORT FOR ADDITIONAL SOIL BORE INFORMATION.
2. CONTRACTOR TO UTILIZE DISPLACEMENT METHOD DURING PILOT HOLE. SEE DESIGN REPORT FOR ADDITIONAL INFORMATION.



PROFILE

ISSUED FOR CONSTRUCTION
DATE: 06-03-2022

DESIGN DATA

DESIGN CODE:	ASME B31.4 DOT 195
MEASURED LENGTH:	61'
TRENCH:	1120'
HDD/BORE:	1181'
TOTAL:	
DESIGN PRESSURE:	1440 PSIG
EXISTING MOP:	1440 PSIG

PIPE SPECIFICATIONS

EXISTING PIPE:	6.625" OD, 0.188" WT, GRADE B, COAL TAR
CONVENTIONAL LAY PIPE:	PIPE, 6.625" OD, 0.280" WT, API 5L/PSL-2 X-52, ERW, PEB 30 DEGREES, DRL, 14 MILS MIN DFT FBE
HDD/BORE PIPE:	PIPE, 6.625" OD, 0.432" WT, API 5L/PSL-2 X-52, ERW, PEB 30 DEGREES, DRL, 14 MILS MIN DFT FBE, 35 MILS MIN DFT FBE
TRANSITION PIPE:	PIPE, 6.625" OD, 0.344" WT, API 5L/PSL-2 X-52, ERW, PEB 30 DEGREES, SRL, 14 MILS MIN DFT FBE

LEGEND

	EXISTING PIPELINE
	EXISTING PIPELINE (TO BE REMOVED)
	PROPOSED PIPELINE
	PROPERTY LINE
	EASEMENT LINE
	SECTION LINE
	R.O.W. LINE
	TEMPORARY CONSTRUCTION WORKSPACE

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F	ISSUED FOR CONSTRUCTION	FGI	06-03-22	DF	M. MISKELLY
	ISSUED FOR CONSTRUCTION	FGI	04-04-22	DF	J. SMITH
D	ISSUED FOR BID REV 3	FGI	02-11-22	DF	J. SMITH
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		DRWN BY	DATE REVISED	CHECKED BY	PROJECT ENGINEER

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FMM WATER DIVERSION HDD
6265- ALEXANDRIA- GRAND FORKS #1-6IN
PLAN & PROFILE

CASS COUNTY NORTH DAKOTA

SCALE AS NOTED	A.F.E. XXX-XXXX-XXXX
DRAWING NO.	
PROJECT ENGINEER	M. MISKELLY
APPROVED BY	XXXX

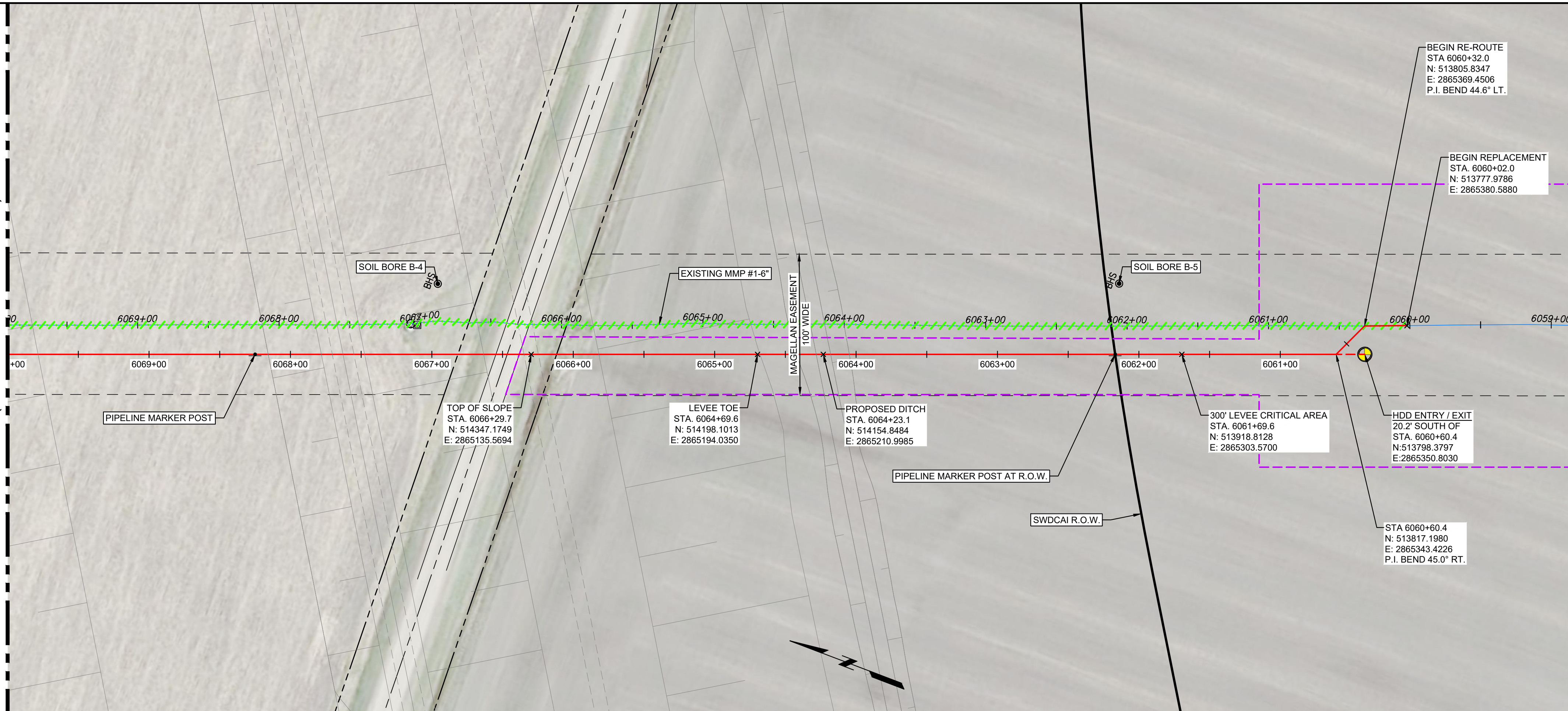
6265-CD-14a

MATCHLINE (SEE SHEET 6265-CD-14b)

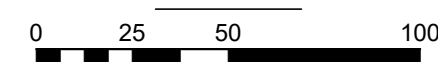
HDD NOTES:

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2. MINIMUM ALLOWABLE COMBINED RADIUS = 600 FEET.
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4. ELEVATION TOLERANCE: +0 FEET / - 15 FEET.
5. ENTRY LOCATION TOLERANCE: ± 0 FEET.
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MATCHLINE (SEE SHEET 6265-CD-14a)

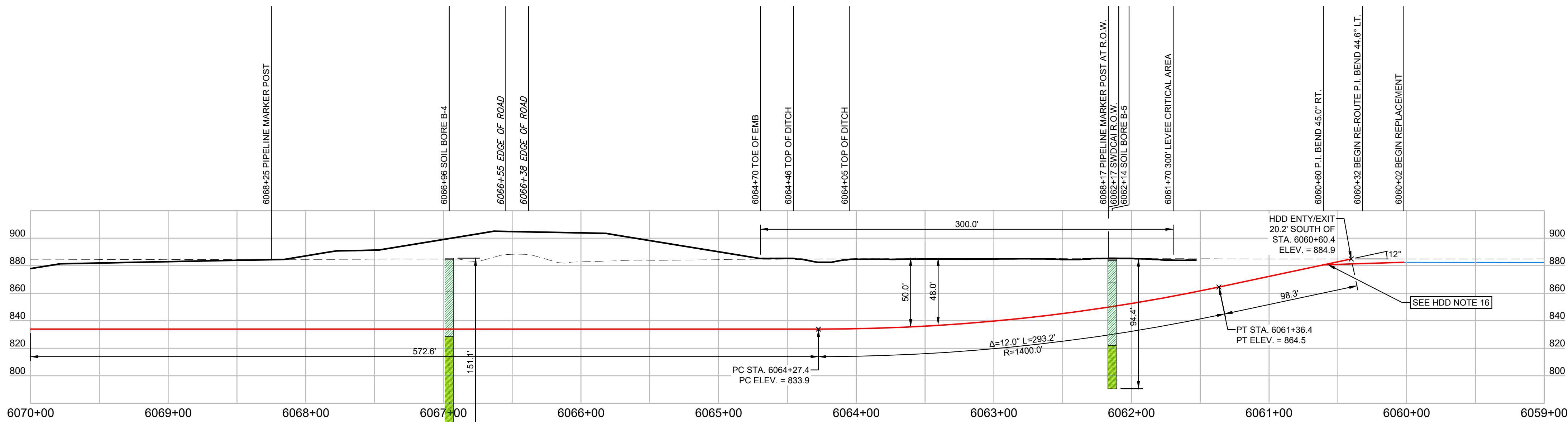


PLAN

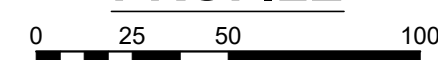


NOTE:

1. SEE SOIL BORE REPORT FOR ADDITIONAL SOIL BORE INFORMATION.
2. CONTRACTOR TO UTILIZE DISPLACEMENT METHOD DURING PILOT HOLE. SEE DESIGN REPORT FOR ADDITIONAL INFORMATION.



PROFILE



ISSUED FOR CONSTRUCTION
DATE: 06-03-2022

DESIGN DATA	PIPE SPECIFICATIONS
DESIGN CODE: ASME B31.4 DOT 195	EXISTING PIPE: 6.625" OD, 0.188" WT, GRADE B, COAL TAR
MEASURED LENGTH: TRENCH: 58' HDD/BORE: 964' TOTAL: 1022'	CONVENTIONAL LAY PIPE: PIPE, 6.625" OD, 0.280" WT, API 5L/PSL-2 X-52, ERW, PEB 30 DEGREES, DRL, 14 MILS MIN DFT FBE
DESIGN PRESSURE: 1440 PSIG	HDD/BORE PIPE: PIPE, 6.625" OD, 0.432" WT, API 5L/PSL-2 X-52, ERW, PEB 30 DEGREES, DRL, 14 MILS MIN DFT FBE, 35 MILS MIN DFT FBE
EXISTING MOP: 1440 PSIG	TRANSITION PIPE: PIPE, 6.625" OD, 0.344" WT, API 5L/PSL-2 X-52, ERW, PEB 30 DEGREES, SRL, 14 MILS MIN DFT FBE

LEGEND
EXISTING PIPELINE
EXISTING PIPELINE (TO BE REMOVED)
PROPOSED PIPELINE
PROPERTY LINE
EASEMENT LINE
SECTION LINE
R.O.W. LINE
TEMPORARY CONSTRUCTION WORKSPACE

NOTES:

1. THE COMPANY DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION SHOWN ON THIS DRAWING NOR DOES IT ACCEPT ANY RESPONSIBILITY FOR ERRORS IN LOCATION OR FOR FAILURE TO INDICATE ANY SUCH FACILITIES.
2. BURIED AND ABOVE GROUND PUBLIC AND PRIVATELY-OWNED UTILITY LOCATING, IDENTIFICATION, MARKING, AND PROTECTION ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR TO LOCATE AND VERIFY ELEVATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
3. MINIMUM CLEARANCE IS 2 FEET BETWEEN PROPOSED PIPELINE AND EXISTING UTILITIES AND UNDERGROUND STRUCTURES UNLESS OTHERWISE NOTED.

REVISION NUMBER	DATE	BY	DATE REVISION	BY	PROJECT ENGINEER	APPROVED BY
F	06-03-22	DF	M.MISKELLY			
E	04-04-22	DF	J. SMITH			
D	02-11-22	DF	J. SMITH			
C	12-14-21	DF	J. SMITH			
B	08-06-21	DF	J. SMITH			

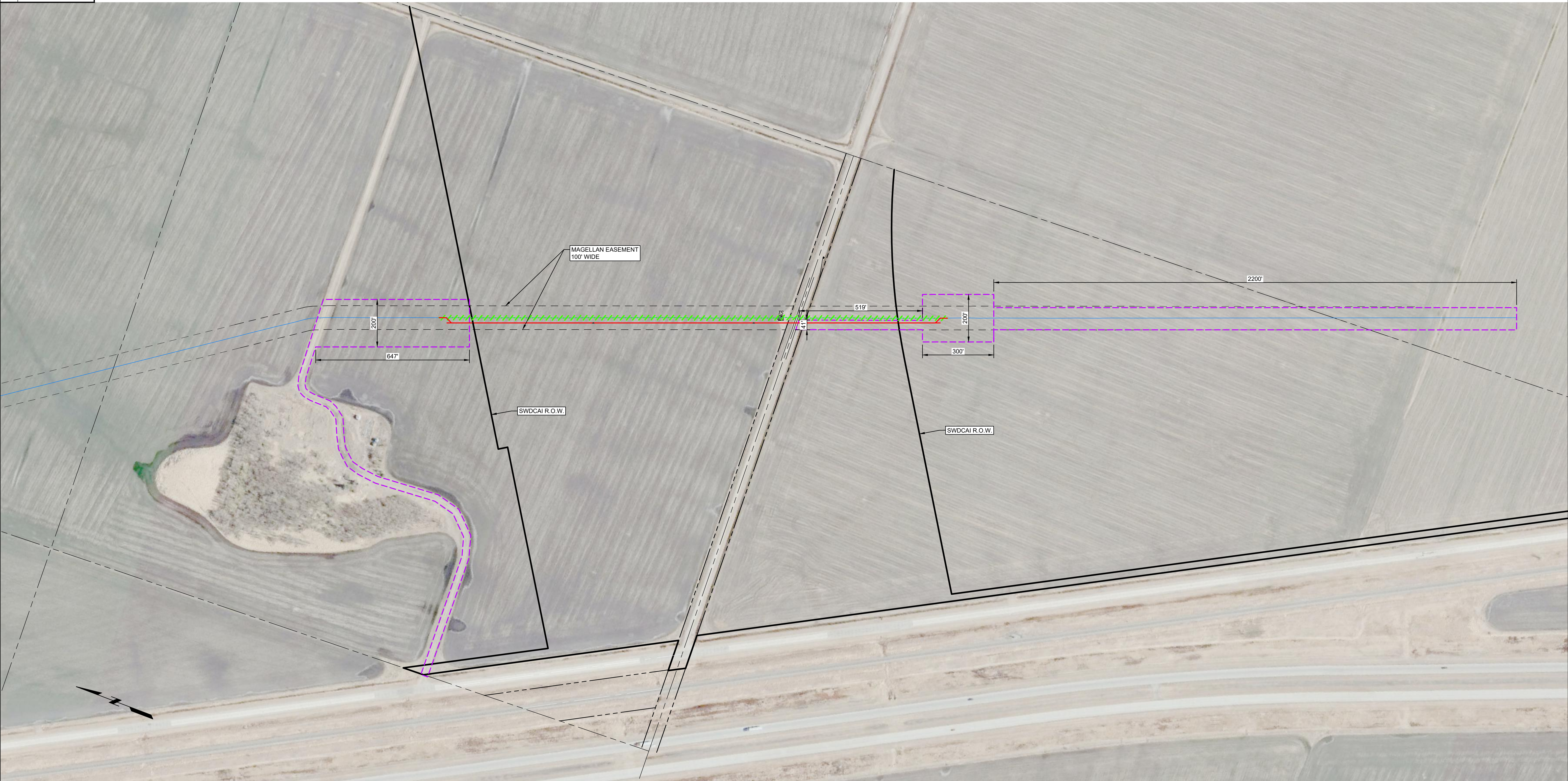
Farnsworth GROUP
20 ALLEN AVENUE, SUITE 200
ST LOUIS, MISSOURI 63119
(314) 962-7900 / info@f-w.com
www.f-w.com
Engineers | Architects | Surveyors | Scientists

MAGELLAN
MIDSTREAM PARTNERS, L.P.
MAGELLAN PIPELINE COMPANY, L.P.

FMM WATER DIVERSION HDD
6265- ALEXANDRIA- GRAND FORKS #1-6IN
PLAN & PROFILE

CASS COUNTY NORTH DAKOTA

SCALE AS NOTED	A.F.E. XXX-XXXX-XXXX
DRAWING NO.	6265-CD-14b



PLAN
0 100 200 400

ISSUED FOR CONSTRUCTION
DATE: 06-03-2022

MAGELLAN
MIDSTREAM PARTNERS, L.P.
MAGELLAN PIPELINE COMPANY, L.P.

FMM WATER DIVERSION HDD
6265- ALEXANDRIA- GRAND FORKS #1-6IN
WORKSPACE DRAWING

CASS COUNTY NORTH DAKOTA

DRAWN BY	FGI	SCALE AS NOTED	A.F.E.	XXX-XXXX-XXXX
DATE DRAWN	04-12-21	DRAWING NO.		
CHECKED BY	DF	6265-CD-15		
PROJECT ENGINEER	M.MISKELLY	F		
APPROVED BY	XXXX			

DESIGN DATA

DESIGN CODE: ASME B31.4 DOT 195

MEASURED LENGTH:
TRENCH: 119'
HDD/BORE: 2084'
TOTAL: 2203'

DESIGN PRESSURE: 1440 PSIG
EXISTING MOP: 1440 PSIG

PIPE SPECIFICATIONS

EXISTING PIPE:
6.625" OD, 0.188" WT, GRADE B, COAL TAR

CONVENTIONAL LAY PIPE:
PIPE, 6.625" OD, 0.280" WT, API 5L/PSL-2 X-52, ERW, PEB 30 DEGREES, DRL, 14 MILS MIN DFT FBE

HDD/BORE PIPE:
PIPE, 6.625" OD, 0.432" WT, API 5L/PSL-2 X-52, ERW, PEB 30 DEGREES, DRL, 14 MILS MIN DFT FBE, 35 MILS MIN DFT FBE

TRANSITION PIPE:
PIPE, 6.625" OD, 0.344" WT, API 5L/PSL-2 X-52, ERW, PEB 30 DEGREES, SRL, 14 MILS MIN DFT FBE

LEGEND

- EXISTING PIPELINE
- EXISTING PIPELINE (TO BE REMOVED)
- PROPOSED PIPELINE
- PROPERTY LINE
- EASEMENT LINE
- SECTION LINE
- R.O.W. LINE
- TEMPORARY CONSTRUCTION WORKSPACE

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F	ISSUED FOR CONSTRUCTION	FGI	06-03-22	DF	M.MISKELLY
E	ISSUED FOR CONSTRUCTION	FGI	04-04-22	DF	J. SMITH
D	ISSUED FOR BID REV 3	FGI	02-11-22	DF	J. SMITH
C	ISSUED FOR BID REV 2	FGI	12-14-21	DF	J. SMITH
B	ISSUED FOR REVIEW	FGI	08-06-21	DF	J. SMITH

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