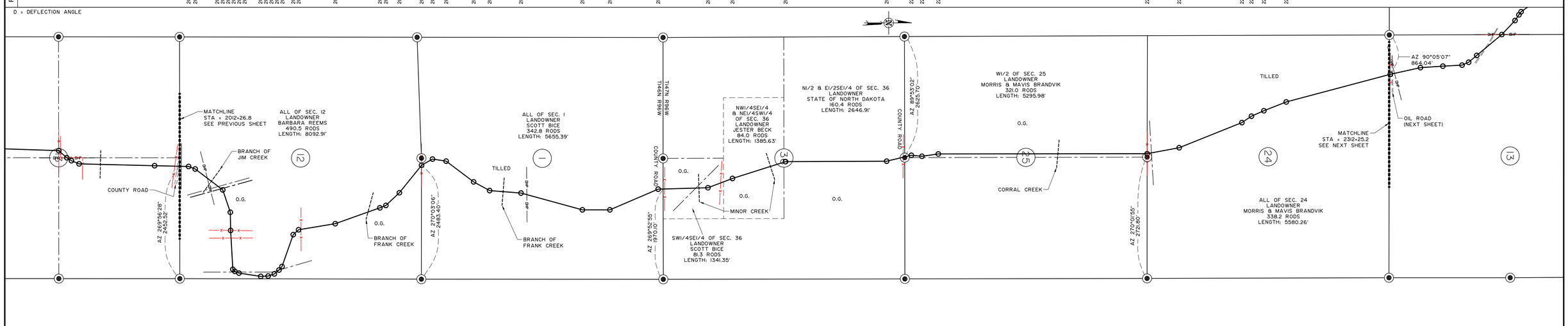
AS-BUILT (FOR REVIEW)

STATIONING CHART

N.T.S.

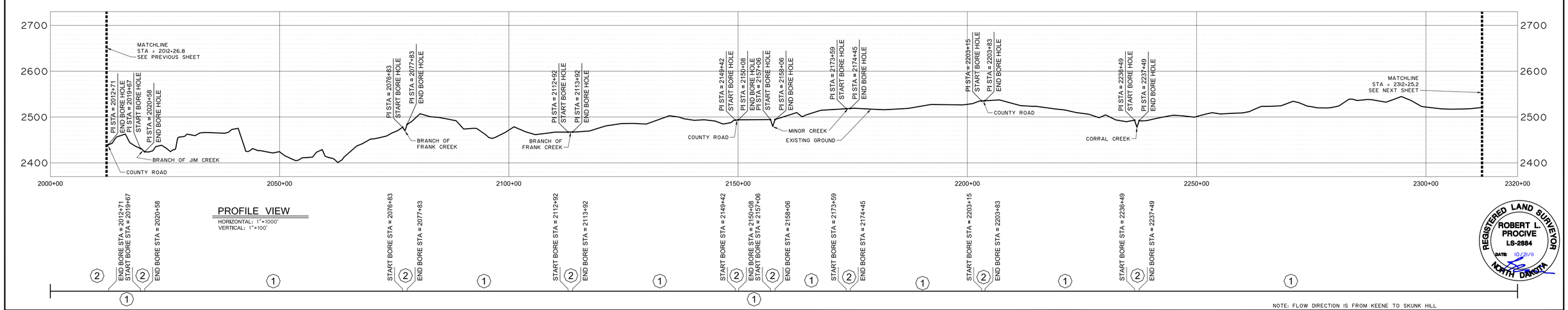
CROSSINGS	SURVEY NOTES	ROUTING NOTES
2012+61.7 FENCE AND OHP	2012+26.8 SECTION LINE	2012+20.9 PI 09°42'
		2015+74.7 PI 06°08'
2020+07.0 OHP		2023+29.1 PI 034°12'
2020+77.7 BRANCH OF JIM CREEK		2028+44.6 PI 017°43'
2022+08.7 FPL		2029+81.1 PI 022°25'
2022+17.7 FPL		2030+38.4 PI 040°55'
2022+92.0 FPL		2034+52.7 PI 022°48'
2033+41.0 FENCE		2042+00.7 PI 041°24'
2033+50.1 FENCE		
2041+96.8 FPL		2047+35.6 PI 011°24'
		2048+92.9 PI 010°57'
2051+68.6 FPL		2049+45.8 PI 007°29'
		2054+67.1 PI 010°14'
2062+81.1 FENCE		2062+69.6 PI 020°44'
		2068+03.1 PI 028°17'
		2069+63.3 PI 032°49'
	2069+74.6 PI 010°05'	
2077+32.8 BRANCH OF FRANK CREEK		2080+07.7 PI 022°27'
		2084+48.6 PI 020°08'
	2085+52.5 PI 018°01'	
2093+22.1 FENCE	2093+19.7 SECTION LINE	2093+22.8 PI 022°31'
		2095+97.4 PI 038°23'
		2098+98.1 PI 028°15'
		2106+49.6 PI 018°24'
		2110+46.8 PI 024°05'
2113+49 BRANCH OF FRANK CREEK		2117+33.3 PI 010°47'
		2131+21.0 PI 016°16'
		2137+20.7 PI 023°14'
2118+64.6 OHP		
		2148+66.0 PI 022°35'
2149+65.0 COUNTY ROAD	2149+75.1 SECTION LINE	
2150+05.8 FENCE		
2156+93.1 FPL		2159+53.5 PI 019°10'
2157+58.4 MINOR CREEK		
2162+49.9 FENCE	2163+16.5 SIXTEENTH LINE	2165+24.5 PI 031°12'
2173+94.6 MINOR CREEK	2177+02.1 QUARTER LINE	2177+38.7 PI 017°20'
		2199+44.2 PI 013°11'
2203+14.6 FENCE	2203+19.0 SECTION LINE	2204+98.1 PI 018°45'
2203+19.0 COUNTY ROAD		2207+31.0 PI 013°28'
		2210+90.6 PI 018°05'
2236+98.6 CORRAL CREEK		
2256+45.2 FENCE	2256+45.0 SECTION LINE	2256+45.2 PI 010°29'
2257+41.0 FPL		
		2263+55.7 PI 011°17'
		2278+28.9 PI 022°09'
		2280+80.4 PI 010°17'
		2283+76.0 PI 012°03'
		2289+00.7 PI 016°37'
	2312+25.2 SECTION LINE	

D = DEFLECTION ANGLE



PLAN VIEW

HORIZONTAL: 1"=1000'



PROFILE VIEW

HORIZONTAL: 1"=1000'
VERTICAL: 1"=100'

END BORE STA = 2012+71
START BORE STA = 2019+67
END BORE STA = 2020+58
START BORE STA = 2076+83
END BORE STA = 2077+83
START BORE STA = 2112+92
END BORE STA = 2113+92
START BORE STA = 2149+42
END BORE STA = 2150+08
START BORE STA = 2157+06
END BORE STA = 2158+06
START BORE STA = 2173+59
END BORE STA = 2174+45
START BORE STA = 2203+15
END BORE STA = 2203+83
START BORE STA = 2236+49
END BORE STA = 2237+49

REGISTERED LAND SURVEYOR
ROBERT L. PROCIVE
LS-2884
DATE 10/21/11
NORTH DAKOTA

NOTE: FLOW DIRECTION IS FROM KEENE TO SKUNK HILL

LEGEND

- Section Number
- Interstate Highway
- Federal Highway
- State Highway
- Foreign Pipe Line
- P/L Warning Sign
- Aerial Marker
- Monument - Recovered
- Monument - Not Recovered (Re-Set)
- Creek
- Fence
- Overhead Powerline
- Pipeline
- Road
- Trees

PIPE DATA

(1) DIAMETER: 12.750" WALL THICKNESS: 0.250"
MATERIAL: CARBON STEEL X52 ERW
COATING: 16 mil FBE

(2) DIAMETER: 12.750" WALL THICKNESS: 0.375"
MATERIAL: CARBON STEEL X52 ERW
COATING: 16 mil FBE + 30 mil ARO

PIGGING FACILITIES		PIPE	
MIN. TEST	MOP	MIN. TEST	MOP
1800 P.S.I.	1440 P.S.I.	1800 P.S.I.	1440 P.S.I.

ABBREVIATIONS

CREEK = CREEK CROSSING
FENCE = BARB WIRE FENCE
OHP = OVER HEAD POWER
FPL = FOREIGN PIPELINE
ROAD = COUNTY ROAD OR HIGHWAY
TREES = ROW OR MASS OF TREES

Tract No.	Ownership	Sec.	T	R

REVISIONS

Rev. No.	Description	By	Date	Ckd.

BRIDGER

Bridger Pipeline LLC
Casper, Wyoming

4BEARS PIPELINE (AS-BUILT)

SKUNK HILL STATION TO HWY 23 STATION
12" CRUDE OIL PIPELINE, AS-BUILT
STA. 2012+26.8 TO STA. 2312+25.2
DUNN COUNTY, NORTH DAKOTA

INTERSTATE ENGINEERING
Professionals you need, people you trust
Interstate Engineering, Inc.
P.O. Box 648
110 2nd Avenue SW
Beach, North Dakota 59601
Ph: (701) 575-4231
Fax: (701) 575-2251
www.ieinc.com
(Other offices in Montana, Nebraska and South Dakota)

DRAWN BY: J. Welch	DATE: JULY 2011	APPROVED BY: Robert L. Procive	DATE: MAY 2011
SCALE: 1" = 1000'	PROJECT NUMBER: S09-00-161	DRAWING NUMBER: SHEET 8 OF 15	