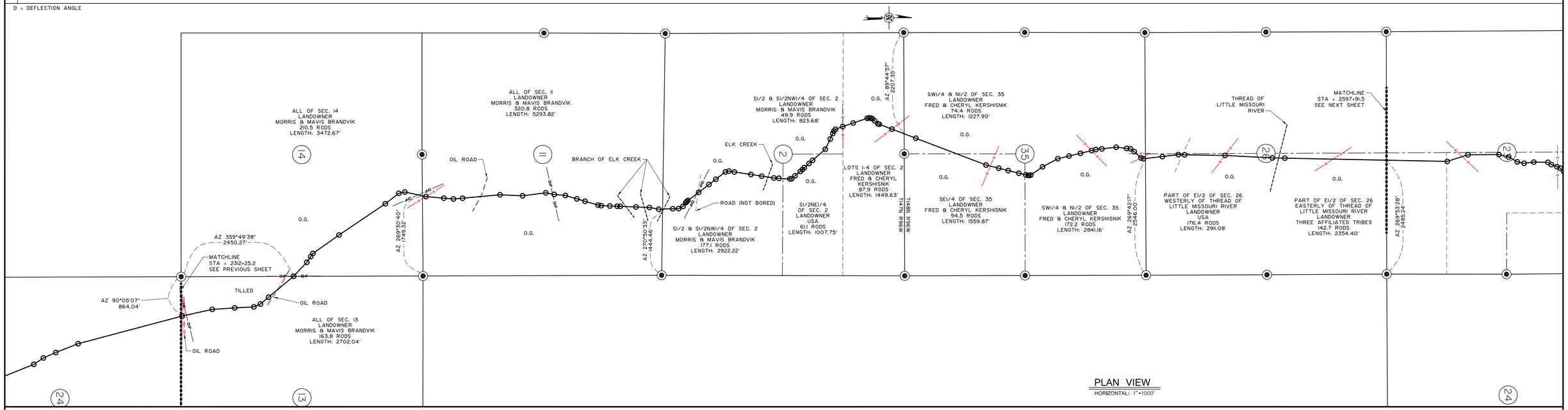
AS-BUILT (FOR REVIEW)

STATIONING CHART

N.T.S.

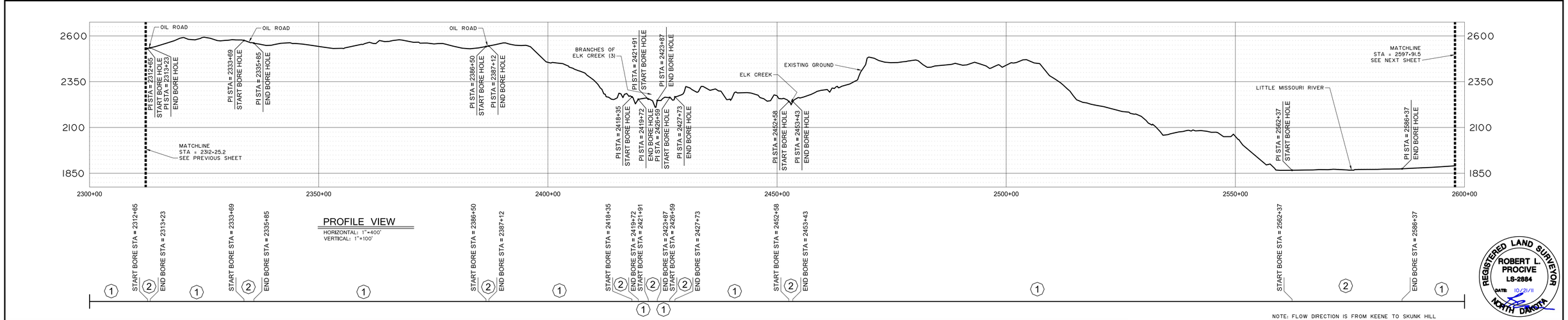
CROSSINGS	SURVEY NOTES	ROUTING NOTES
2312+47.7 FENCE 2312+53.8 OIL ROAD 2313+43.1 OHP	2312+25.2 SECTION LINE	2312+49.0 PI 0°22'
		2319+21.3 PI 18°42'
		2324+12.4 PI 10°41'
		2328+31.4 PI 120°44' 2329+88.8 PI 116°22'
		2332+19.7 PI 10°18'
2334+76.6 OIL ROAD		2339+30.3 PI 116°45' 2343+50.9 PI 119°17' 2344+06.6 PI 21°16'
2339+30.9 FENCE 2339+33.7 OHP	2339+27.3 SECTION LINE	2345+85.1 PI 119°26'
		2352+82.0 PI 11°08'
		2365+00.8 PI 13°40'
		2369+74.5 PI 128°22' 2370+07.5 PI 124°35'
2373+01.3 OHP 2374+78.3 FENCE	2373+99.9 SECTION LINE	2374+78.3 PI 17°13'
		2378+70.5 PI 10°13'
		2380+18.2 PI 110°14'
		2382+18.4 PI 110°12'
2386+80.9 OIL ROAD		2391+01.6 PI 17°46'
		2395+94.6 PI 119°49'
2402+56.9 OHP		2400+04.6 PI 117°37' 2402+19.3 PI 114°46'
		2405+35.9 PI 110°42'
		2407+99.1 PI 110°00' 2409+18.6 PI 110°01'
		2412+80.6 PI 119°47' 2413+49.2 PI 119°24'
		2415+39.2 PI 110°12' 2416+98.0 PI 110°14'
		2417+62.8 PI 110°10' 2419+65.8 PI 110°10'
		2421+09.0 PI 110°12'
2418+88.3 BRANCH OF ELK CREEK		2424+03.4 PI 117°54'
2422+88.5 BRANCH OF ELK CREEK		2424+08.7 PI 110°00'
2427+15.8 BRANCH OF ELK CREEK	2426+93.8 SECTION LINE	2426+15.9 PI 110°00' 2430+42.2 PI 124°36' 2431+24.5 PI 109°52'
		2432+84.5 PI 110°45' 2433+53.8 PI 110°45'
		2434+12.2 PI 110°03'
2435+62.5 OHP 2435+98.7 ROAD (NOT BORED)		2438+94.8 PI 110°16'
		2440+83.6 PI 110°16'
		2443+46.0 PI 124°12' 2444+52.5 PI 110°40'
		2445+46.0 PI 110°00'
2452+85.9 ELK CREEK		2449+10.3 PI 110°08'
		2451+49.8 PI 110°04'
	2456+16.0 QUARTER LINE	2454+17.1 PI 115°13' 2455+26.2 PI 110°08'
		2456+53.7 PI 128°18'
		2458+09.7 PI 110°42'
		2459+03.2 PI 110°42'
		2461+18.8 PI 127°21'
		2462+74.3 PI 110°10'
	2466+23.7 QUARTER LINE	2464+00.5 PI 110°03'
		2464+44.3 PI 110°03'
		2465+60.0 PI 110°06'
		2467+29.0 PI 119°40'
		2471+02.1 PI 117°54'
		2472+72.5 PI 127°29'
		2473+72.5 PI 110°04'
		2475+76.5 PI 110°04'
		2476+82.0 PI 110°04'
		2480+04.4 PI 119°26'
		2481+43.5 PI 110°43'
		2482+83.5 PI 110°35'
		2484+50.9 PI 110°44'
		2486+18.5 PI 110°35'
		2488+10.8 PI 110°02'
		2489+69.2 PI 110°01'
2486+10.9 FENCE	2474+39.7 FENCE	2474+47.4 SIXTEENTH LINE
	2488+97.0 SECTION LINE	
	2500+24.9 QUARTER LINE	
		2508+09.5 PI 115°53'
		2510+96.5 PI 110°06'
		2513+08.8 PI 110°05'
		2515+49.0 PI 110°00'
		2517+03.2 PI 110°59'
		2518+56.1 PI 127°53'
		2521+74.2 PI 119°27'
		2524+35.6 PI 127°44'
		2526+03.6 PI 117°44'
2509+06.4 FENCE	2516+84.8 QUARTER LINE	
		2525+05.4 PI 114°15'
		2527+59.2 PI 110°13'
		2530+31 PI 110°01'
		2532+64.1 PI 110°06' 2533+54.0 PI 110°05' 2534+98.0 PI 110°06'
2532+63.6 FENCE		2538+07.2 PI 127°58' 2540+34.7 PI 110°10' 2541+76.5 PI 109°54' 2543+21.1 PI 127°57' 2544+22.8 PI 125°12' 2544+79.8 PI 124°06'
	2545+26.0 SECTION LINE	
2542+83.6 FENCE 2544+23.9 FENCE		
		2548+97.1 PI 110°24'
2553+39.6 ROAD (NOT BORED)		2553+47.0 PI 118°54' 2553+84.7 PI 114°00'
2562+64.4 FENCE		2562+64.3 PI 112°03'
2574+37.0 THREAD OF LITTLE MISSOURI RIVER		2573+01.5 PI 114°51' 2575+72.5 PI 110°12'
2586+24.3 FENCE		
	2597+91.5 SECTION LINE	

D = DEFLECTION ANGLE



PLAN VIEW

HORIZONTAL: 1"=1000'



PROFILE VIEW

HORIZONTAL: 1"=400'
VERTICAL: 1"=100'

NOTE: FLOW DIRECTION IS FROM KEENE TO SKUNK HILL

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

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. 2312+25.2 TO STA. 2597+91.5
DUNN COUNTY, NORTH DAKOTA

INTERSTATE ENGINEERING
Professionals you need, people you trust

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www.jeinc.com
(Other offices in Minnesota, Montana 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 9 OF 15	