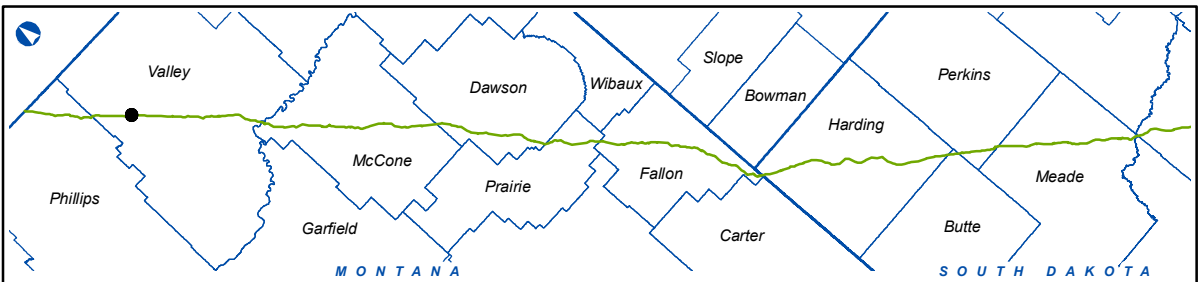
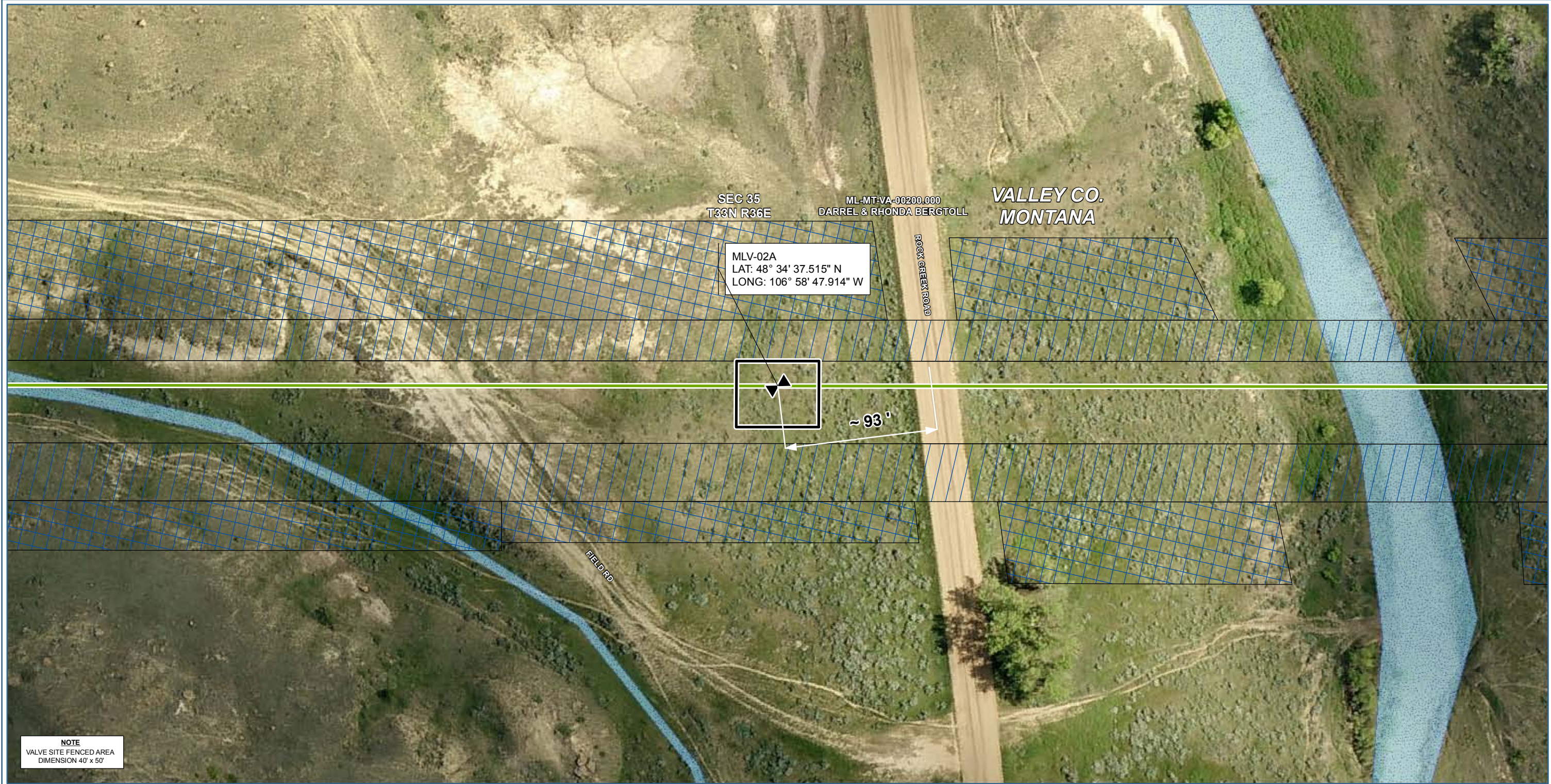


0198-XX-P2-XXX.X-XXX.X

KEYSTONE XL PIPELINE PROJECT - STEELE CITY SEGMENT MANAGEMENT OF CHANGE FORM FOR VALVES																																																							
1	VARIATION TYPE: Centerline: <input type="text"/>	Valve Site: <input checked="" type="checkbox"/>	Pump Station: <input type="text"/>																																																				
2	LOCATION: State: <input type="text"/> Multiple County: <input type="text"/> Multiple Township: <input type="text"/> Multiple Section: <input type="text"/> Multiple	Sketch: <input type="text"/> Attached Range: <input type="text"/> Multiple Centerline: <input type="text"/> 11/18/2010	Pictures: <input type="text"/> See attached. Quad Map: <input type="text"/> N/A Aerial Map: <input type="text"/> See attached map sheet MP: <input type="text"/> XXX.X to <input type="text"/> XXX.X																																																				
3	<p>REASON FOR VARIATION :</p> <p>As per the PHMSA condition 32 - Mainline and Check Valve Control: Keystone must design and install mainline block valves and check valves on the Keystone XL system based on the worst case discharge as calculated by 49 CFR § 194.105. Keystone shall locate valves in accordance with 49 CFR § 195.260 and by taking into consideration elevation, population, and environmentally sensitive locations, to minimize the consequences of a release from the pipeline. Mainline valves must be placed based on the analysis above or no more than twenty (20) miles apart, whichever is smaller. Mainline valves must contain transit inhibit switches that prevent the valves from shutting at a rate (and in conjunction with pumps being shutdown) so that no pressure surges can occur, or other damage caused by unintended valve closures or too fast of a closure.</p> <p>Valves must be remotely controlled and actuated, and the SCADA system must be capable of closing the valve and monitoring the valve position, upstream pressure and downstream pressure so as to minimize the response time in the case of a failure. Remote power backup is required to ensure communications are maintained during inclement weather. Mainline valves must be capable of closure at all times. If it is impracticable to install a remote controlled valve, Keystone must submit a valve design and installation plan to the appropriate PHMSA Region Director(s), Central, Western, and Southwest Region to confirm the alternative approach provides an equivalent level of safety. For any valves that cannot be remotely actuated, Keystone must document on a yearly basis, not to exceed fifteen (15) months that personnel response time to these valves will not take over one hour.</p> <p>To comply with spacing requirement, Keystone determined areas its current valve spacing design exceeded a spacing of 20 miles and employed one of the following steps to mitigate the issue:</p> <ul style="list-style-type: none"> • Relocated the valve after a thorough analysis of the resulting spill volume and assuring the original intent of the valve was still realized • Bringing remote actuation to the downstream manual ball valve of a check valve, block valve set. • Adding a new remotely actuated mainline valve site. <p>DETAILS OF VARIATION :</p> <p>The proposed valve sites are based on a combination of field visits, desktop analysis and a flyover video of the Centerline (11/18/2010 CL). These valves site locations may shift slightly based on further specific design and/or landowner concerns.</p> <p>In the Supplemental Info tab, Blue rows represent the newly added valves and the Green rows represent the relocated valves. The maximum valve spacing between motorized valves (including valves at Pump Stations) is now 20.7 miles.</p> <p>ADDITIONAL IMPACTS :</p> <p>The cost analysis for the additional/relocated valves, previously purchased land which cannot be used and other costs associated with the variation is not shown in this report and is calculated separately.</p> <p>COST ANALYSIS (costs incurred or saved from the route variation)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Additional length of route realignment:</td> <td style="width: 10%; text-align: center;"><input type="text"/> ft.</td> <td style="width: 10%; text-align: center;">\$ -</td> <td style="width: 20%; text-align: right;">\$ 360/ft</td> </tr> <tr> <td>Additional length of side-hill construction:</td> <td style="text-align: center;"><input type="text"/> ft.</td> <td style="text-align: center;">\$ -</td> <td style="text-align: right;">\$ 19/ft</td> </tr> <tr> <td>Additional length of wetland construction:</td> <td style="text-align: center;"><input type="text"/> ft.</td> <td style="text-align: center;">\$ -</td> <td style="text-align: right;">\$ 195/ft</td> </tr> <tr> <td>Additional bore length (Road, RR):</td> <td style="text-align: center;"><input type="text"/> ft.</td> <td style="text-align: center;">\$ -</td> <td style="text-align: right;">\$ 540/ft</td> </tr> <tr> <td>Additional foreign line/pipeline crossings:</td> <td style="text-align: center;"><input type="text"/> EA</td> <td style="text-align: center;">\$ -</td> <td style="text-align: right;">\$ 30,000/EA</td> </tr> <tr> <td>Additional water body crossing (streams, ponds, etc.):</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 40px;">35 - 65' +</td> <td style="text-align: center;"><input type="text"/> EA</td> <td style="text-align: center;">\$ -</td> <td style="text-align: right;">\$ 185,000/EA</td> </tr> <tr> <td style="padding-left: 40px;">10' - 19'</td> <td style="text-align: center;"><input type="text"/> EA</td> <td style="text-align: center;">\$ -</td> <td style="text-align: right;">\$ 77,250/EA</td> </tr> <tr> <td style="padding-left: 40px;">Less than 10'</td> <td style="text-align: center;"><input type="text"/> EA</td> <td style="text-align: center;">\$ -</td> <td style="text-align: right;">\$ 32,500/EA</td> </tr> <tr> <td>Additional survey required:</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 40px;">Civil:</td> <td style="text-align: center;"><input type="text"/> mile</td> <td style="text-align: center;">\$ -</td> <td style="text-align: right;">\$ 5,000/mile</td> </tr> <tr> <td style="padding-left: 40px;">Cultural:</td> <td style="text-align: center;"><input type="text"/> mile</td> <td style="text-align: center;">\$ -</td> <td style="text-align: right;">\$ 2,500/mile</td> </tr> <tr> <td style="padding-left: 40px;">Biological:</td> <td style="text-align: center;"><input type="text"/> mile</td> <td style="text-align: center;">\$ -</td> <td style="text-align: right;">\$ 2,800/mile</td> </tr> </table> <p>Miscellaneous costs saved or added due to route variation from ADDITIONAL IMPACTS listed above: <input type="text"/></p> <p>Overall estimated costs of the route variation: \$ <input type="text"/> - (See "Additional Impacts" above)</p>			Additional length of route realignment:	<input type="text"/> ft.	\$ -	\$ 360/ft	Additional length of side-hill construction:	<input type="text"/> ft.	\$ -	\$ 19/ft	Additional length of wetland construction:	<input type="text"/> ft.	\$ -	\$ 195/ft	Additional bore length (Road, RR):	<input type="text"/> ft.	\$ -	\$ 540/ft	Additional foreign line/pipeline crossings:	<input type="text"/> EA	\$ -	\$ 30,000/EA	Additional water body crossing (streams, ponds, etc.):				35 - 65' +	<input type="text"/> EA	\$ -	\$ 185,000/EA	10' - 19'	<input type="text"/> EA	\$ -	\$ 77,250/EA	Less than 10'	<input type="text"/> EA	\$ -	\$ 32,500/EA	Additional survey required:				Civil:	<input type="text"/> mile	\$ -	\$ 5,000/mile	Cultural:	<input type="text"/> mile	\$ -	\$ 2,500/mile	Biological:	<input type="text"/> mile	\$ -	\$ 2,800/mile
Additional length of route realignment:	<input type="text"/> ft.	\$ -	\$ 360/ft																																																				
Additional length of side-hill construction:	<input type="text"/> ft.	\$ -	\$ 19/ft																																																				
Additional length of wetland construction:	<input type="text"/> ft.	\$ -	\$ 195/ft																																																				
Additional bore length (Road, RR):	<input type="text"/> ft.	\$ -	\$ 540/ft																																																				
Additional foreign line/pipeline crossings:	<input type="text"/> EA	\$ -	\$ 30,000/EA																																																				
Additional water body crossing (streams, ponds, etc.):																																																							
35 - 65' +	<input type="text"/> EA	\$ -	\$ 185,000/EA																																																				
10' - 19'	<input type="text"/> EA	\$ -	\$ 77,250/EA																																																				
Less than 10'	<input type="text"/> EA	\$ -	\$ 32,500/EA																																																				
Additional survey required:																																																							
Civil:	<input type="text"/> mile	\$ -	\$ 5,000/mile																																																				
Cultural:	<input type="text"/> mile	\$ -	\$ 2,500/mile																																																				
Biological:	<input type="text"/> mile	\$ -	\$ 2,800/mile																																																				
9	Originator: <input type="text"/> PHMSA Date: <input type="text"/> 5/26/2011	10	Received by: <input type="text"/> Date: <input type="text"/> 5/26/2011 Fax to: ?																																																				
11	Assigned Tracking Number: <input type="text"/> 0198-XX-P2-XXX.X-XXX.X-S		12	Filed by: <input type="text"/> Date: <input type="text"/> Fax to: ?																																																			



LEGEND

- MILEPOST
- PHASE IV CL (2010-11-18)
- - - ROUTE VARIATION
- ▲ VALVE LOCATION
- VALVE SITE BOUNDARY
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- ADDITIONAL TEMPORARY WORKSPACE
- ACCESS ROAD
- TRANSMISSION LINE
- COUNTY LINE
- PROPERTY PARCEL
- SECTION LINE
- WATERBODY
- WETLAND

Keystone Phase IV, US
MLV-02A

COUNTY:	VALLEY	DRAWN BY:	PD
STATE:	MONTANA	CHECKED BY:	JP
SHEET:	3	APPROVED BY:	RG
REVISION			DATE
3	ISSUED FOR REVIEW		2011-05-26
PRELIMINARY			
PROJECT:	THES0050388X	DWG:	XL-00-ML-9110
DATE:	2011-05-26	REV. NO.:	3

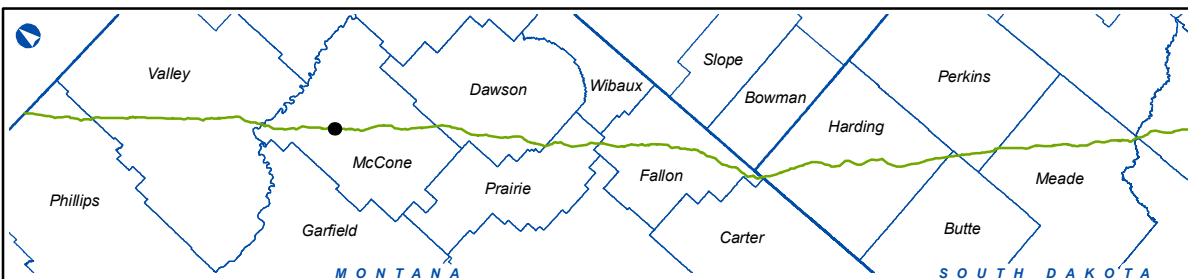
PREPARED BY:
exp Energy Services Inc.
t: +1.850.385.5441 | f: +1.850.385.5523
1300 Metropolitan Blvd.
Tallahassee, FL 32308
U.S.A.
www.exp.com

The new identity of Trow Engineering Consultants, Inc.

• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •



NOTE
VALVE SITE FENCED AREA
DIMENSION 40' x 50'



LEGEND

● MILEPOST	— ACCESS ROAD
— PHASE IV CL (2010-11-18)	— TRANSMISSION LINE
- - - ROUTE VARIATION	□ COUNTY LINE
⊞ VALVE LOCATION	▭ PROPERTY PARCEL
▭ VALVE SITE BOUNDARY	▭ SECTION LINE
▭ PERMANENT EASEMENT	▭ WATERBODY
▭ TEMPORARY EASEMENT	▭ WETLAND
▭ ADDITIONAL TEMPORARY WORKSPACE	

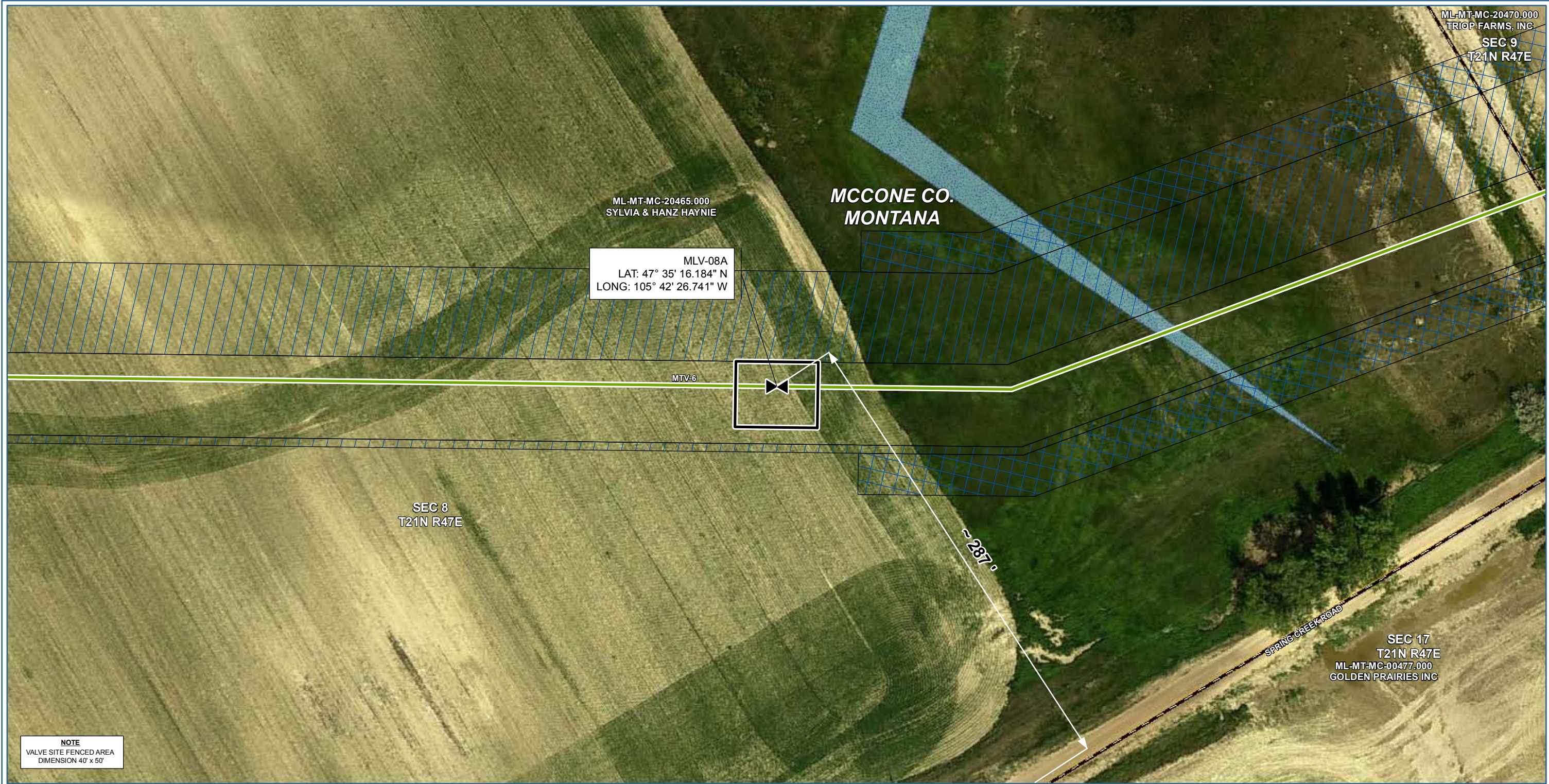
Keystone Phase IV, US
MLV-08

COUNTY:	MCCONE	DRAWN BY:	PD
STATE:	MONTANA	CHECKED BY:	JP
SHEET:	9	APPROVED BY:	RG
REVISION			DATE
3	ISSUED FOR REVIEW		2011-05-26
PRELIMINARY			
PROJECT:	THES0050388X	DWG:	XL-00-ML-9110
DATE:	2011-05-26	REV. NO.:	3

PREPARED BY:
exp Energy Services Inc.
t: +1.850.385.5441 | f: +1.850.385.5523
1300 Metropolitan Blvd.
Tallahassee, FL 32308
U.S.A.
www.exp.com

The new identity of Trow Engineering Consultants, Inc.

• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •



MLV-08A
LAT: 47° 35' 16.184" N
LONG: 105° 42' 26.741" W

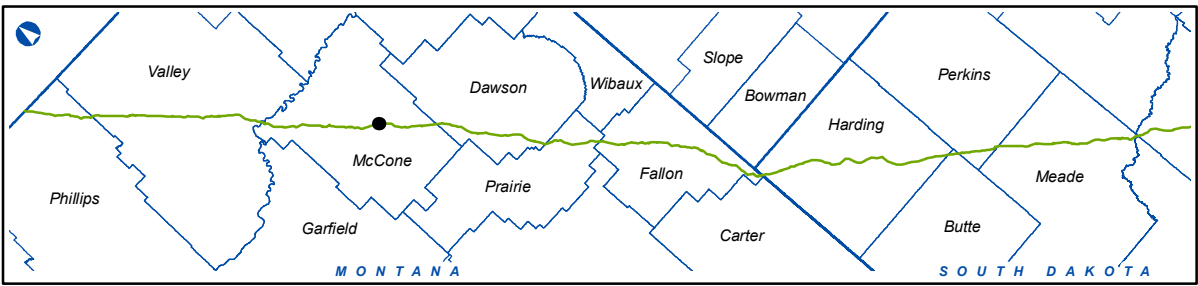
ML-MT-MC-20465.000
SYLVIA & HANZ HAYNIE

ML-MT-MC-20470.000
TRIOP FARMS, INC
SEC 9
T21N R47E

SEC 8
T21N R47E

SEC 17
T21N R47E
ML-MT-MC-00477.000
GOLDEN PRAIRIES INC

NOTE
VALVE SITE FENCED AREA
DIMENSION 40' x 50'



LEGEND

● MILEPOST	— ACCESS ROAD
— PHASE IV CL (2010-11-18)	— TRANSMISSION LINE
- - - ROUTE VARIATION	□ COUNTY LINE
⊠ VALVE LOCATION	▭ PROPERTY PARCEL
▭ VALVE SITE BOUNDARY	▭ SECTION LINE
▭ PERMANENT EASEMENT	▭ WATERBODY
▭ TEMPORARY EASEMENT	▭ WETLAND
▭ ADDITIONAL TEMPORARY WORKSPACE	

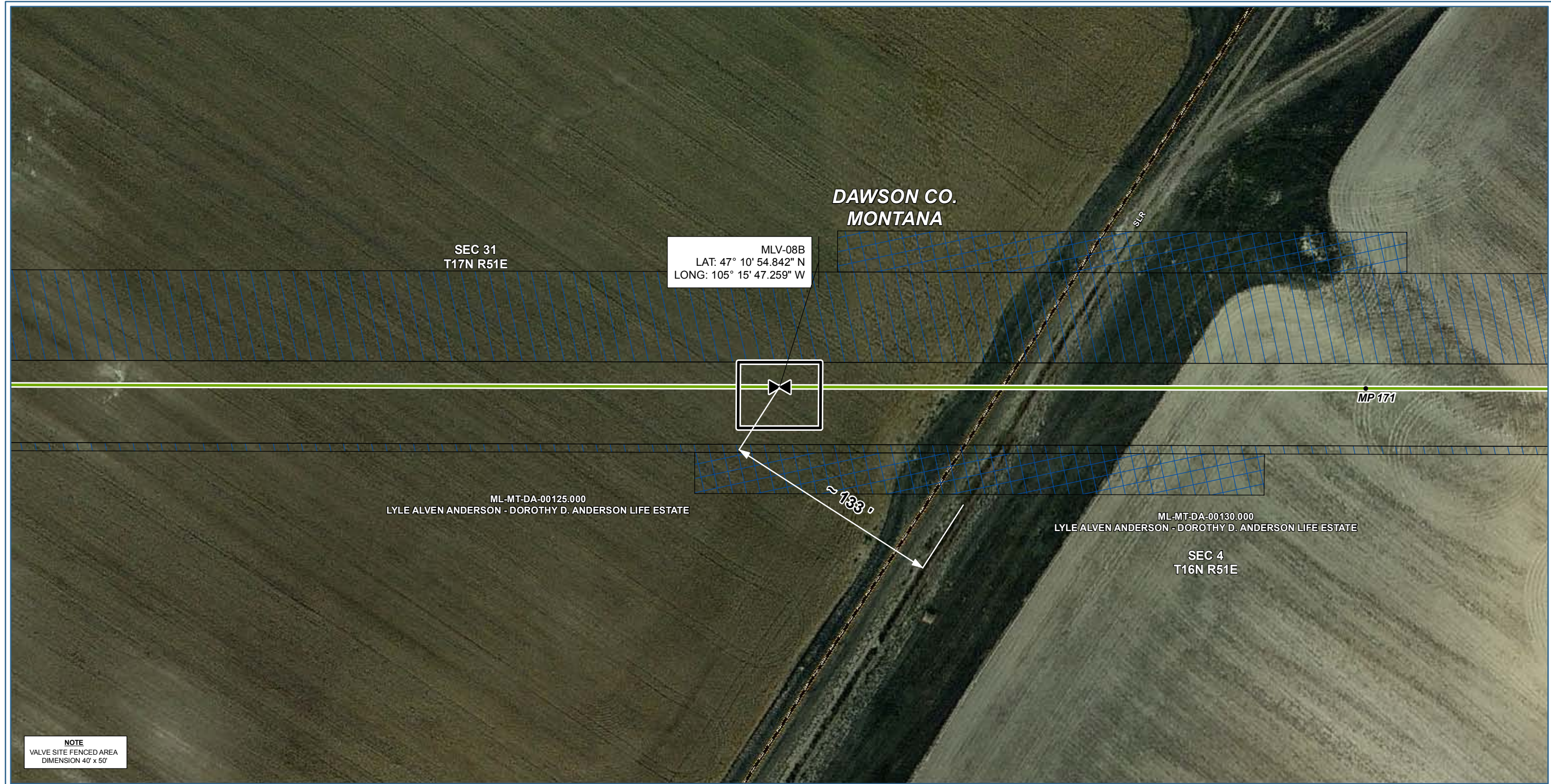
Keystone Phase IV, US
MLV-08A

COUNTY:	MCCONE	DRAWN BY:	PD
STATE:	MONTANA	CHECKED BY:	JP
SHEET:	10	APPROVED BY:	RG
REVISION			DATE
3	ISSUED FOR REVIEW		2011-05-26
PRELIMINARY			
PROJECT:	THES0050388X	DWG:	XL-00-ML-9110
DATE:	2011-05-26	REV. NO.:	3

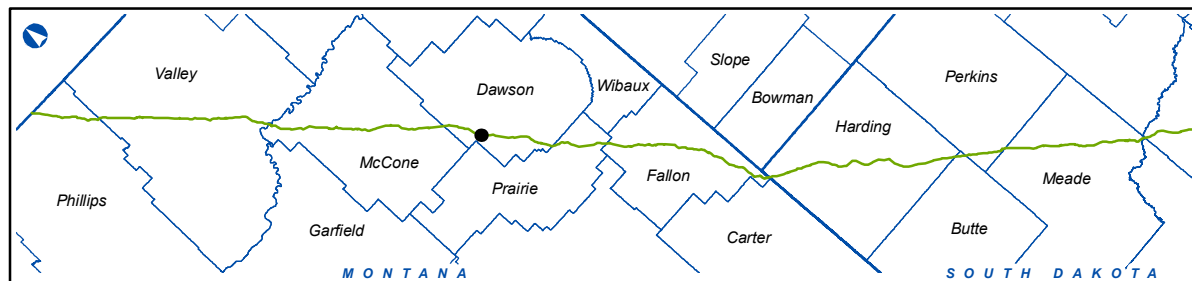
PREPARED BY:
exp Energy Services Inc.
t: +1.850.385.5441 | f: +1.850.385.5523
1300 Metropolitan Blvd.
Tallahassee, FL 32308
U.S.A.
www.exp.com

The new identity of Trow Engineering Consultants, Inc.

• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •



NOTE
VALVE SITE FENCED AREA
DIMENSION 40' x 50'



LEGEND

● MILEPOST	— ACCESS ROAD
— PHASE IV CL (2010-11-18)	— TRANSMISSION LINE
- - - ROUTE VARIATION	□ COUNTY LINE
⊞ VALVE LOCATION	▭ PROPERTY PARCEL
▭ VALVE SITE BOUNDARY	▭ SECTION LINE
▭ PERMANENT EASEMENT	▭ WATERBODY
▭ TEMPORARY EASEMENT	▭ WETLAND
▭ ADDITIONAL TEMPORARY WORKSPACE	

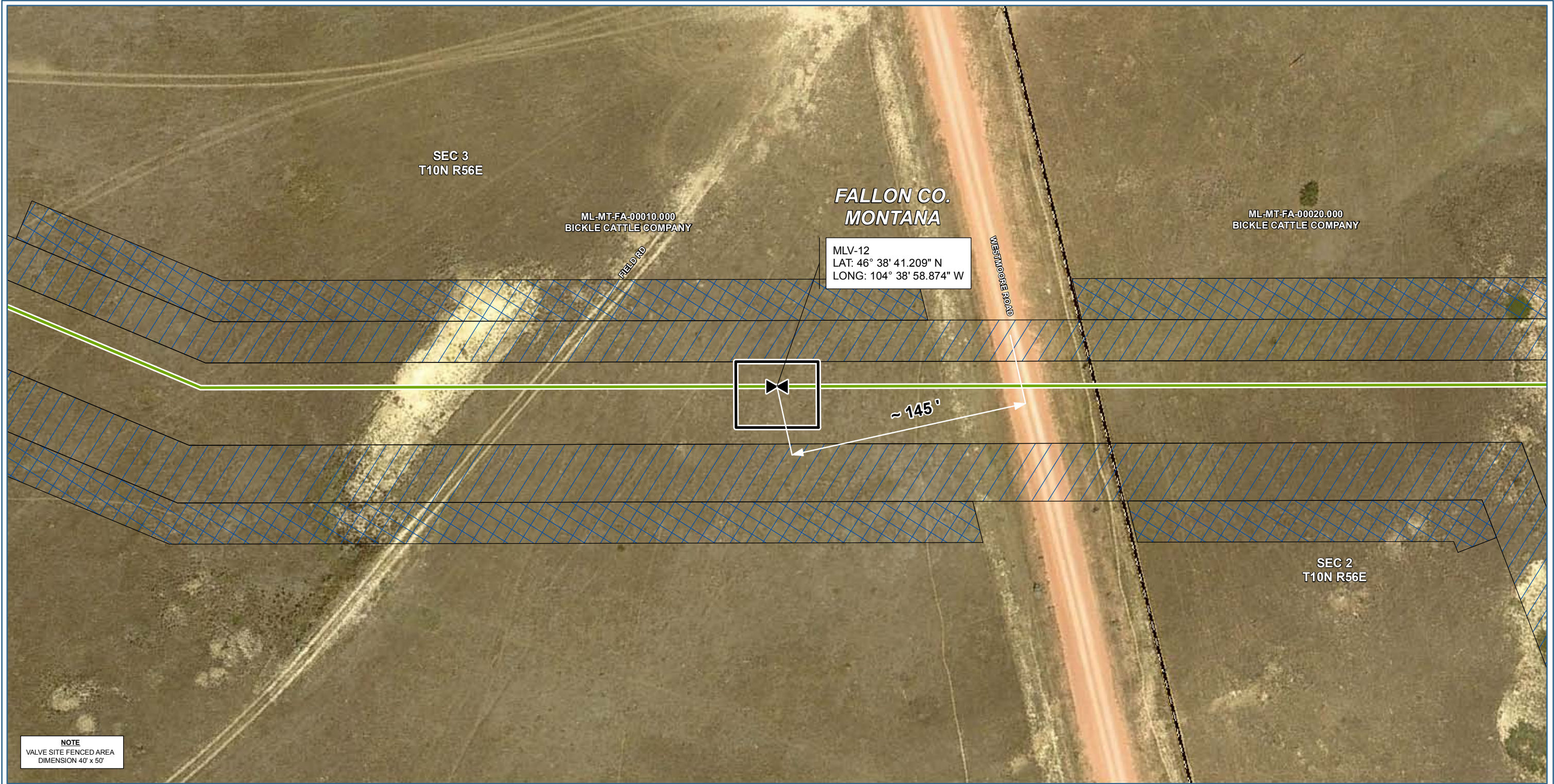
Keystone Phase IV, US
MLV-08B

COUNTY:	DAWSON	DRAWN BY:	PD
STATE:	MONTANA	CHECKED BY:	JP
SHEET:	11	APPROVED BY:	RG
REVISION			DATE
3	ISSUED FOR REVIEW		2011-05-26
PRELIMINARY			
PROJECT:	THES0050388X	DWG:	XL-00-ML-9110
DATE:	2011-05-26	REV. NO.:	3

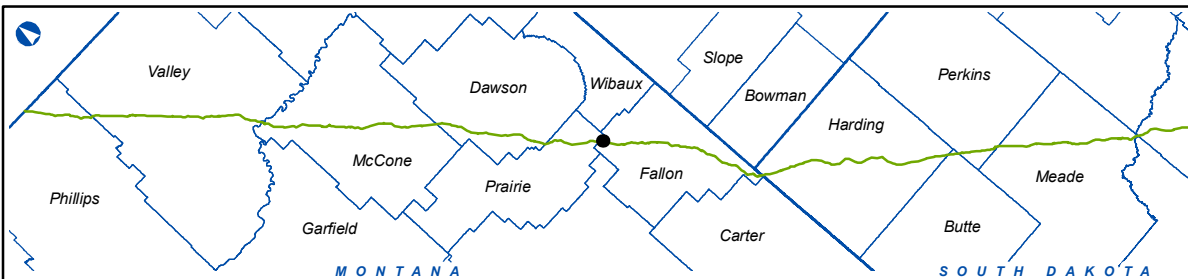
PREPARED BY:
exp Energy Services Inc.
t: +1.850.385.5441 | f: +1.850.385.5523
1300 Metropolitan Blvd.
Tallahassee, FL 32308
U.S.A.
www.exp.com

The new identity of Trow Engineering Consultants, Inc.

• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •



NOTE
VALVE SITE FENCED AREA
DIMENSION 40' x 50'



LEGEND

●	MILEPOST	—	ACCESS ROAD
—	PHASE IV CL (2010-11-18)	—	TRANSMISSION LINE
- - -	ROUTE VARIATION	□	COUNTY LINE
⊞	VALVE LOCATION	□	PROPERTY PARCEL
□	VALVE SITE BOUNDARY	□	SECTION LINE
□	PERMANENT EASEMENT	□	WATERBODY
□	TEMPORARY EASEMENT	□	WETLAND
□	ADDITIONAL TEMPORARY WORKSPACE		

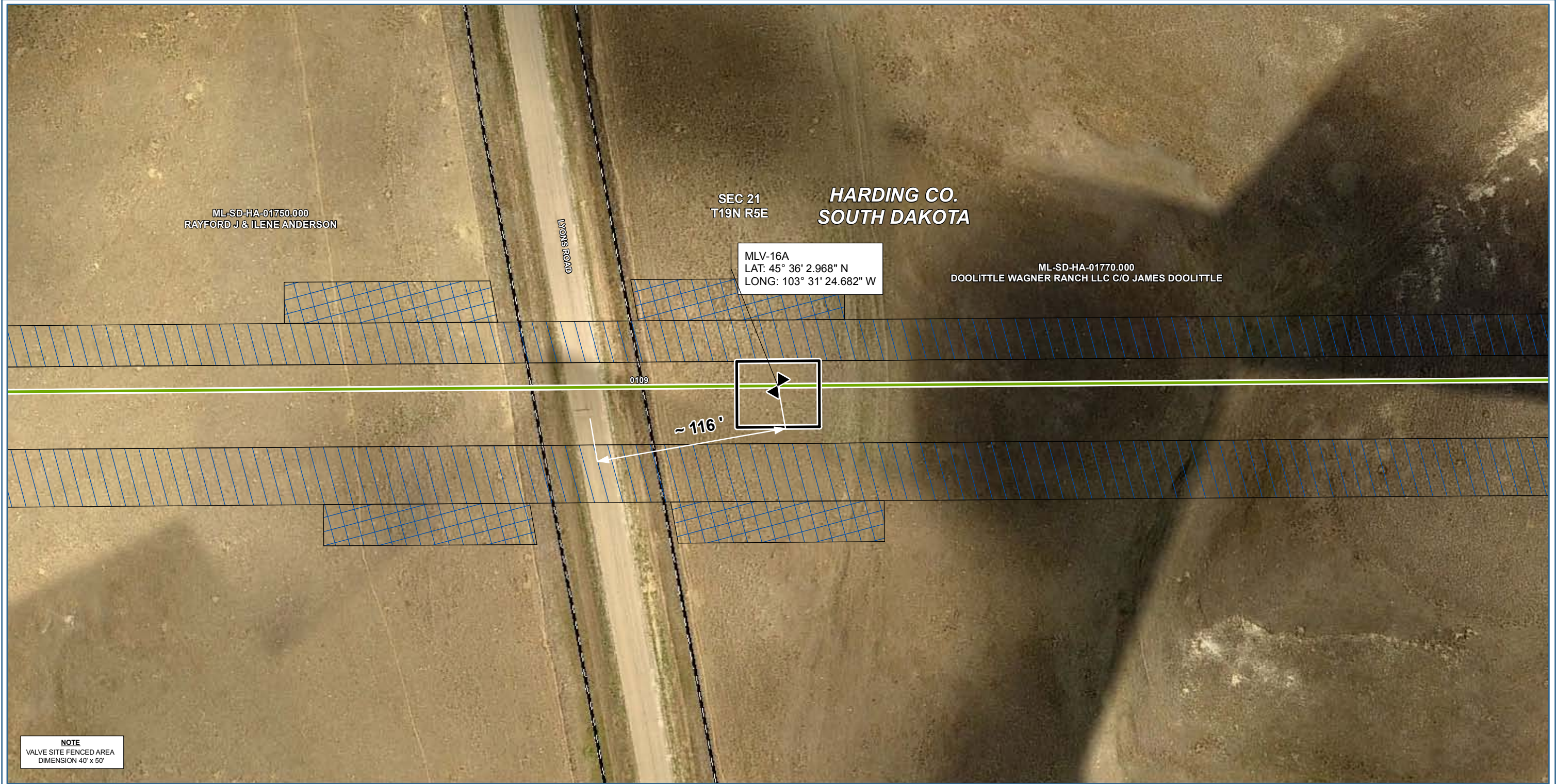
Keystone Phase IV, US
MLV-12

COUNTY:	FALLON	DRAWN BY:	PD
STATE:	MONTANA	CHECKED BY:	JP
SHEET:	14	APPROVED BY:	RG
REVISION			DATE
3	ISSUED FOR REVIEW		2011-05-26
PRELIMINARY			
PROJECT:	THES0050388X	DWG:	XL-00-ML-9110
DATE:	2011-05-26	REV. NO.:	3

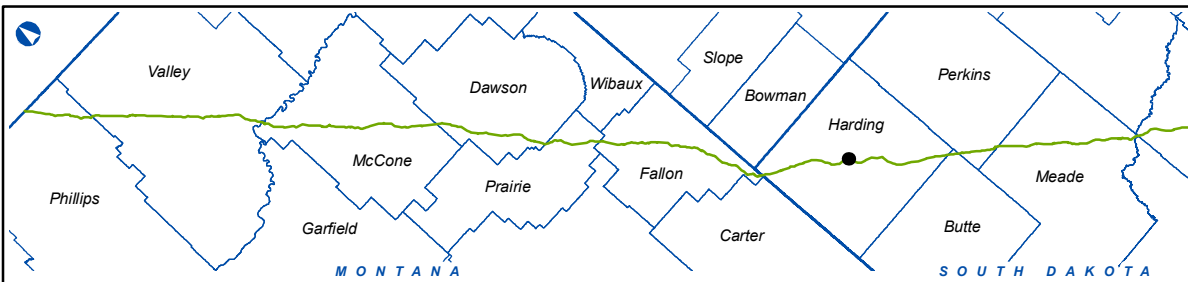
PREPARED BY:
exp Energy Services Inc.
t: +1.850.385.5441 | f: +1.850.385.5523
1300 Metropolitan Blvd.
Tallahassee, FL 32308
U.S.A.
www.exp.com

The new identity of Trow Engineering Consultants, Inc.

• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •



NOTE
VALVE SITE FENCED AREA
DIMENSION 40' x 50'



LEGEND

● MILEPOST	— ACCESS ROAD
— PHASE IV CL (2010-11-18)	— TRANSMISSION LINE
- - - ROUTE VARIATION	□ COUNTY LINE
⊠ VALVE LOCATION	▭ PROPERTY PARCEL
□ VALVE SITE BOUNDARY	▭ SECTION LINE
□ PERMANENT EASEMENT	▨ WATERBODY
▨ TEMPORARY EASEMENT	▨ WETLAND
▨ ADDITIONAL TEMPORARY WORKSPACE	

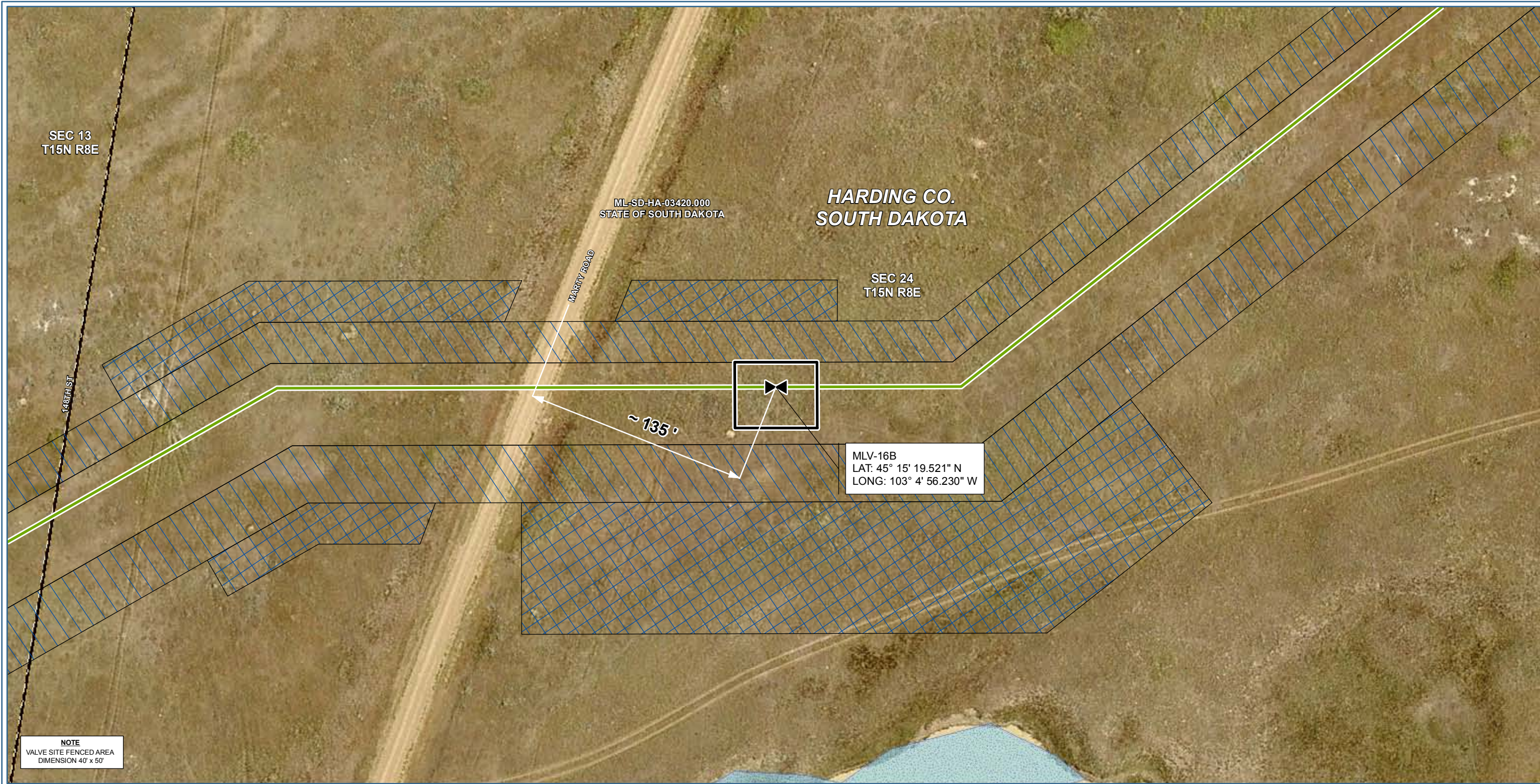
Keystone Phase IV, US
MLV-16A

COUNTY:	HARDING	DRAWN BY:	PD
STATE:	SOUTH DAKOTA	CHECKED BY:	JP
SHEET:	19	APPROVED BY:	RG
REVISION			DATE
3	ISSUED FOR REVIEW		2011-05-26
PRELIMINARY			
PROJECT:	THES0050388X	DWG:	XL-00-ML-9110
DATE:	2011-05-26	REV. NO.:	3

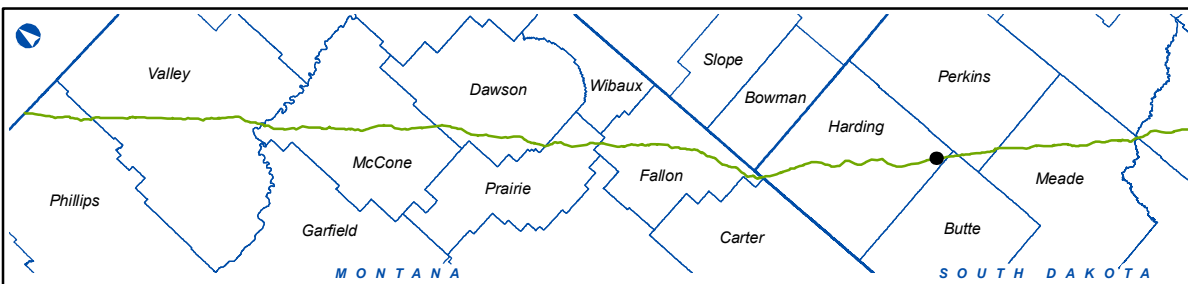
PREPARED BY:
exp Energy Services Inc.
t: +1.850.385.5441 | f: +1.850.385.5523
1300 Metropolitan Blvd.
Tallahassee, FL 32308
U.S.A.
www.exp.com

The new identity of Trow Engineering Consultants, Inc.

• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •



NOTE
VALVE SITE FENCED AREA
DIMENSION 40' x 50'



LEGEND

● MILEPOST	— ACCESS ROAD
— PHASE IV CL (2010-11-18)	— TRANSMISSION LINE
- - - ROUTE VARIATION	□ COUNTY LINE
⊞ VALVE LOCATION	▭ PROPERTY PARCEL
▭ VALVE SITE BOUNDARY	▭ SECTION LINE
▭ PERMANENT EASEMENT	▭ WATERBODY
▭ TEMPORARY EASEMENT	▭ WETLAND
▭ ADDITIONAL TEMPORARY WORKSPACE	

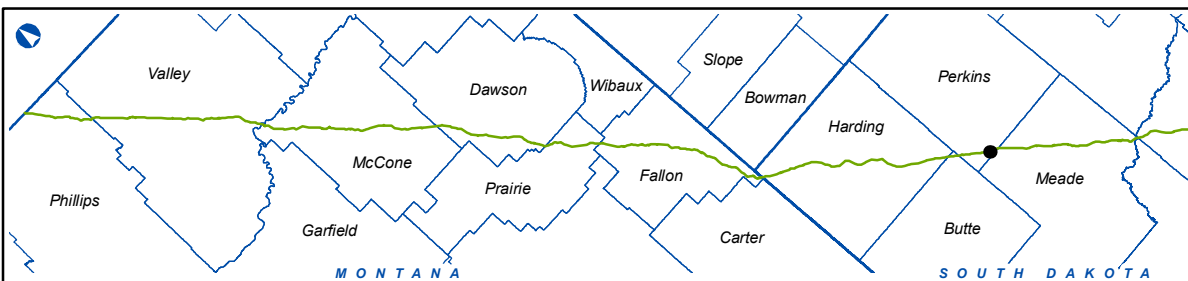
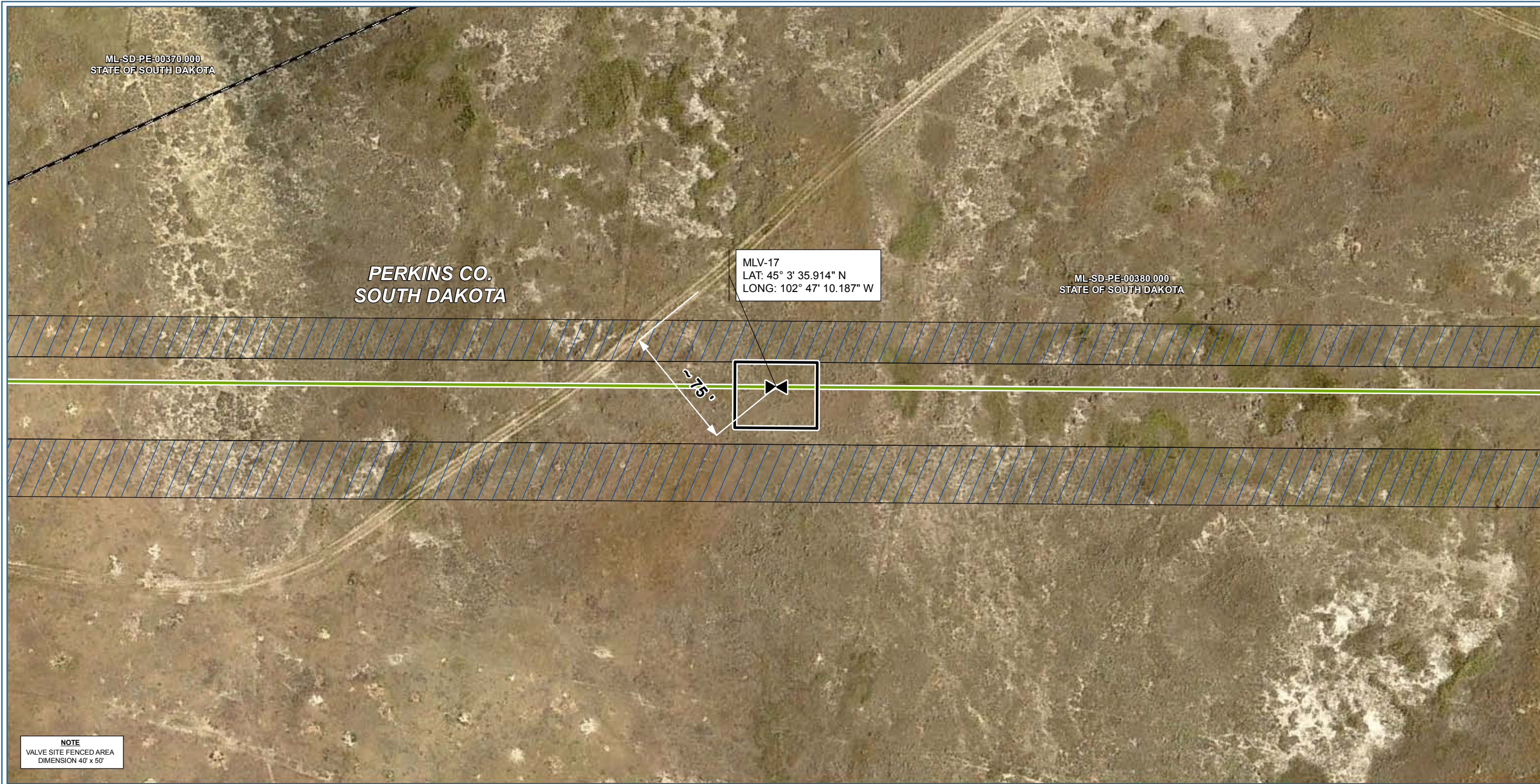
Keystone Phase IV, US
MLV-16B

COUNTY:	HARDING	DRAWN BY:	PD
STATE:	SOUTH DAKOTA	CHECKED BY:	JP
SHEET:	44	APPROVED BY:	RG
REVISION			DATE
3	ISSUED FOR REVIEW		2011-05-26
PRELIMINARY			
PROJECT:	THES0050388X	DWG:	XL-00-ML-9110
DATE:	2011-05-26	REV. NO.:	3

PREPARED BY:
exp Energy Services Inc.
t: +1.850.385.5441 | f: +1.850.385.5523
1300 Metropolitan Blvd.
Tallahassee, FL 32308
U.S.A.
www.exp.com

The new identity of Trow Engineering Consultants, Inc.

• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •



LEGEND

● MILEPOST	— ACCESS ROAD
— PHASE IV CL (2010-11-18)	— TRANSMISSION LINE
- - - ROUTE VARIATION	□ COUNTY LINE
⊠ VALVE LOCATION	▭ PROPERTY PARCEL
▭ VALVE SITE BOUNDARY	▭ SECTION LINE
□ PERMANENT EASEMENT	▭ WATERBODY
▭ TEMPORARY EASEMENT	▭ WETLAND
▭ ADDITIONAL TEMPORARY WORKSPACE	

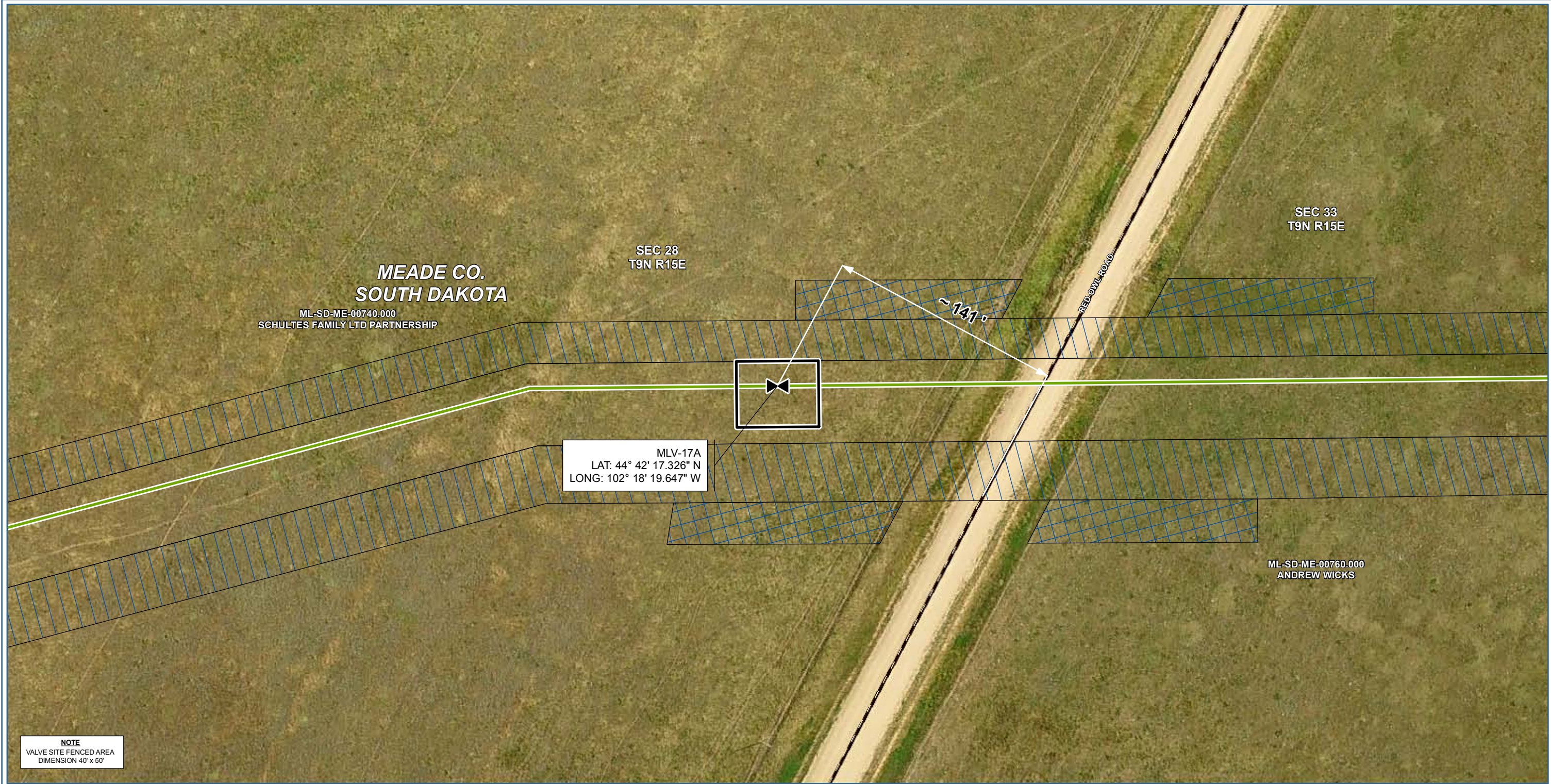
Keystone Phase IV, US
MLV-17

COUNTY:	PERKINS	DRAWN BY:	PD
STATE:	SOUTH DAKOTA	CHECKED BY:	JP
SHEET:	20	APPROVED BY:	RG
REVISION			DATE
3	ISSUED FOR REVIEW		2011-05-26
PRELIMINARY			
PROJECT:	THES0050388X	DWG:	XL-00-ML-9110
DATE:	2011-05-26	REV. NO.:	3

PREPARED BY:
exp Energy Services Inc.
t: +1.850.385.5441 | f: +1.850.385.5523
1300 Metropolitan Blvd.
Tallahassee, FL 32308
U.S.A.
www.exp.com

The new identity of Trow Engineering Consultants, Inc.

• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •



**MEADE CO.
SOUTH DAKOTA**
ML-SD-ME-00740.000
SCHULTES FAMILY LTD PARTNERSHIP

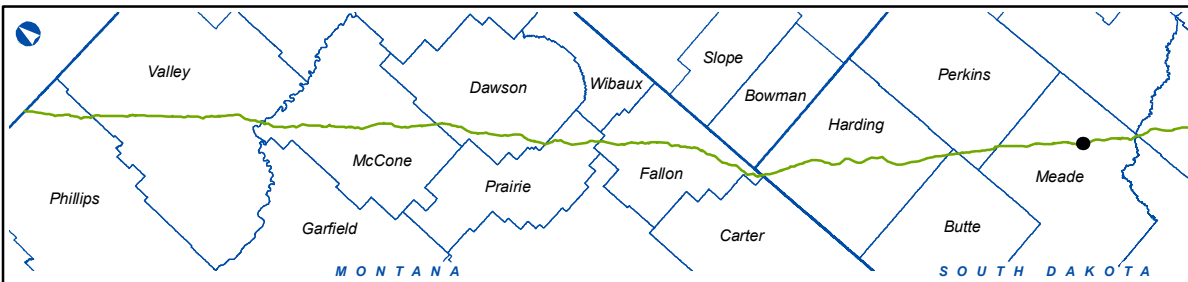
SEC 28
T9N R15E

SEC 33
T9N R15E

MLV-17A
LAT: 44° 42' 17.326" N
LONG: 102° 18' 19.647" W

ML-SD-ME-00760.000
ANDREW WICKS

NOTE
VALVE SITE FENCED AREA
DIMENSION 40' x 50'



LEGEND

● MILEPOST	— ACCESS ROAD
— PHASE IV CL (2010-11-18)	— TRANSMISSION LINE
- - - ROUTE VARIATION	□ COUNTY LINE
⊠ VALVE LOCATION	□ PROPERTY PARCEL
□ VALVE SITE BOUNDARY	□ SECTION LINE
□ PERMANENT EASEMENT	□ WATERBODY
□ TEMPORARY EASEMENT	□ WETLAND
□ ADDITIONAL TEMPORARY WORKSPACE	

**Keystone Phase IV, US
MLV-17A**

COUNTY:	MEADE	DRAWN BY:	PD
STATE:	SOUTH DAKOTA	CHECKED BY:	JP
SHEET:	45	APPROVED BY:	RG
REVISION			DATE
3	ISSUED FOR REVIEW		2011-05-26
PRELIMINARY			
PROJECT:	THES0050388X	DWG:	XL-00-ML-9110
DATE:	2011-05-26	REV. NO.:	3

PREPARED BY:
exp Energy Services Inc.
t: +1.850.385.5441 | f: +1.850.385.5523
1300 Metropolitan Blvd.
Tallahassee, FL 32308
U.S.A.
www.exp.com

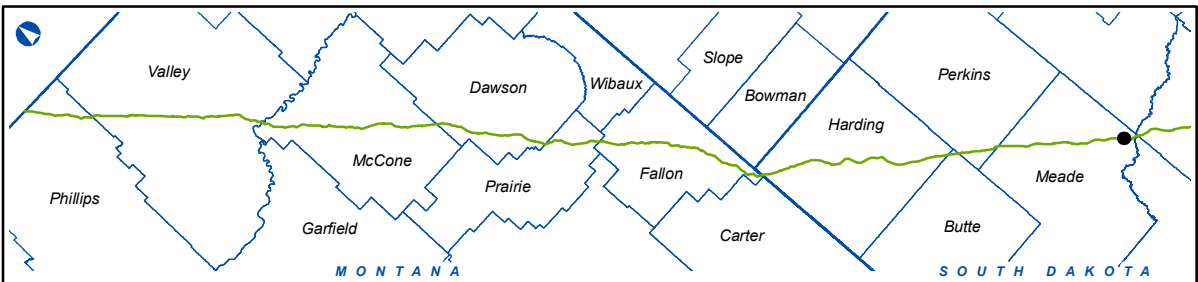
The new identity of Trow Engineering Consultants, Inc.

• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •



SEC 20
T7N R17E
ML-SD-ME-01160.000
WINK CATTLE CO
NOTE
VALVE SITE FENCED AREA
DIMENSION 40' x 50'

MLV-18
LAT: 44° 33' 14.671" N
LONG: 102° 4' 50.936" W



LEGEND

● MILEPOST	— ACCESS ROAD
— PHASE IV CL (2010-11-18)	— TRANSMISSION LINE
- - - ROUTE VARIATION	□ COUNTY LINE
⊞ VALVE LOCATION	▭ PROPERTY PARCEL
▭ VALVE SITE BOUNDARY	▭ SECTION LINE
▭ PERMANENT EASEMENT	▭ WATERBODY
▭ TEMPORARY EASEMENT	▭ WETLAND
▭ ADDITIONAL TEMPORARY WORKSPACE	

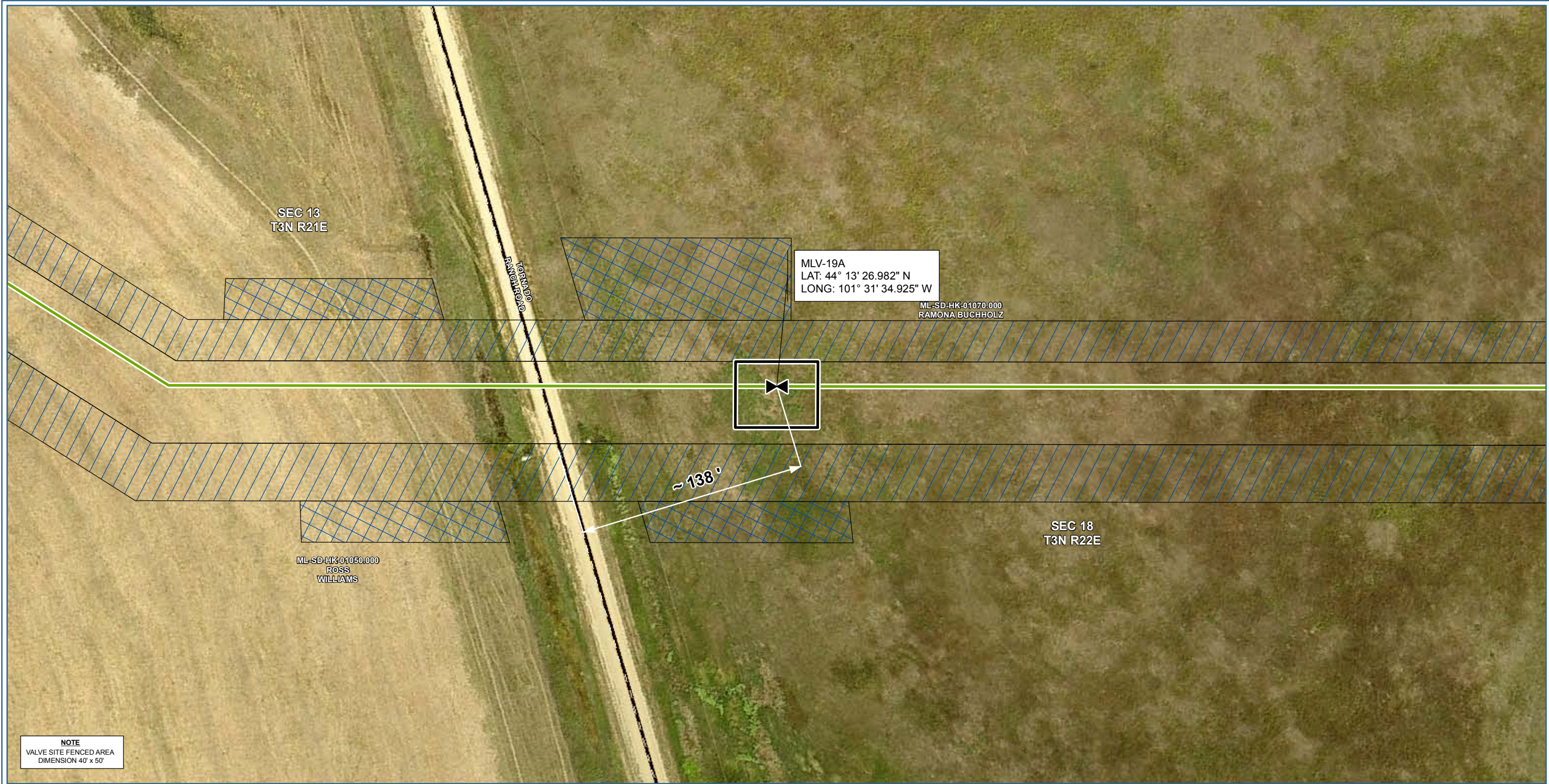
Keystone Phase IV, US
MLV-18

COUNTY:	MEADE	DRAWN BY:	PD
STATE:	SOUTH DAKOTA	CHECKED BY:	JP
SHEET:	21	APPROVED BY:	RG
REVISION			DATE
3	ISSUED FOR REVIEW		2011-05-26
PRELIMINARY			
PROJECT:	THES0050388X	DWG:	XL-00-ML-9110
DATE:	2011-05-26	REV. NO.:	3

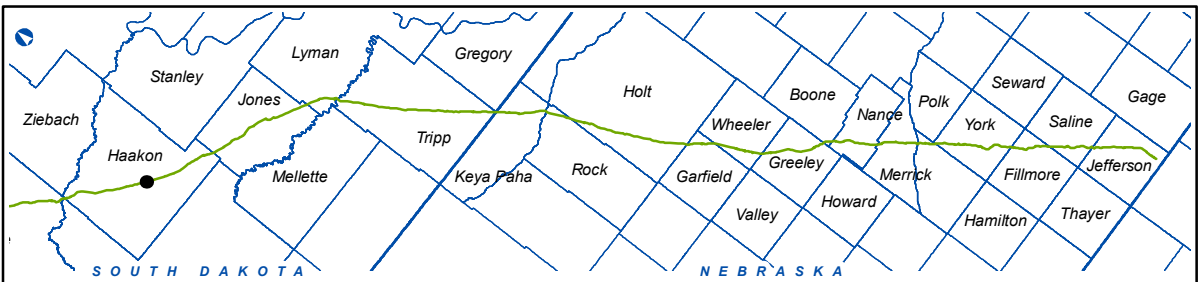
PREPARED BY:
exp Energy Services Inc.
t: +1.850.385.5441 | f: +1.850.385.5523
1300 Metropolitan Blvd.
Tallahassee, FL 32308
U.S.A.
www.exp.com

The new identity of Trow Engineering Consultants, Inc.

• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •



NOTE
VALVE SITE FENCED AREA
DIMENSION 40' x 50'



LEGEND

● MILEPOST	— ACCESS ROAD
— PHASE IV CL (2010-11-18)	— TRANSMISSION LINE
- - - ROUTE VARIATION	□ COUNTY LINE
⊗ VALVE LOCATION	▭ PROPERTY PARCEL
▭ VALVE SITE BOUNDARY	▭ SECTION LINE
▭ PERMANENT EASEMENT	▭ WATERBODY
▭ TEMPORARY EASEMENT	▭ WETLAND
▭ ADDITIONAL TEMPORARY WORKSPACE	

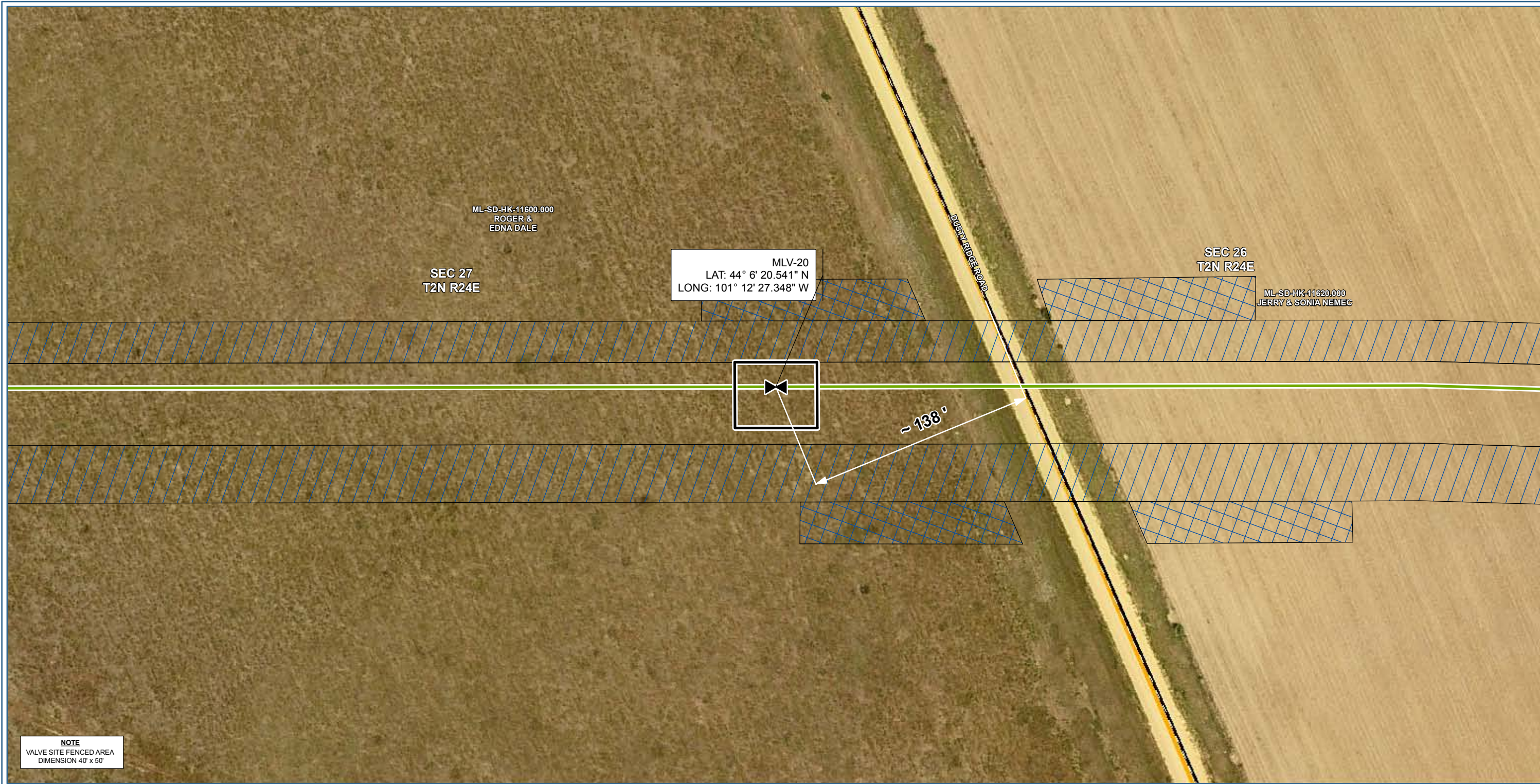
Keystone Phase IV, US
MLV-19A

COUNTY:	HAAKON	DRAWN BY:	PD
STATE:	SOUTH DAKOTA	CHECKED BY:	JP
SHEET:	23	APPROVED BY:	RG
REVISION			DATE
3	ISSUED FOR REVIEW		2011-05-26
PRELIMINARY			
PROJECT:	THES0050388X	DWG:	XL-00-ML-9110
DATE:	2011-05-26	REV. NO.:	3

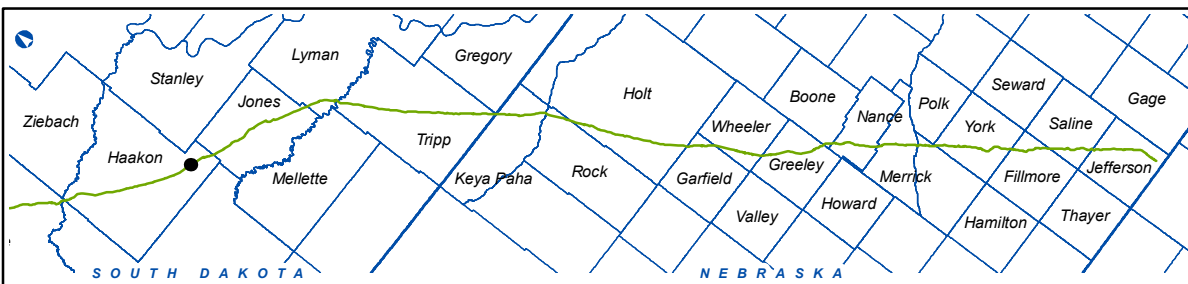
PREPARED BY:
exp Energy Services Inc.
t: +1.850.385.5441 | f: +1.850.385.5523
1300 Metropolitan Blvd.
Tallahassee, FL 32308
U.S.A.
www.exp.com

The new identity of Trow Engineering Consultants, Inc.

• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •



NOTE
VALVE SITE FENCED AREA
DIMENSION 40' x 50'



LEGEND

● MILEPOST	— ACCESS ROAD
— PHASE IV CL (2010-11-18)	— TRANSMISSION LINE
- - - ROUTE VARIATION	— COUNTY LINE
⊠ VALVE LOCATION	▭ PROPERTY PARCEL
▭ VALVE SITE BOUNDARY	▭ SECTION LINE
▭ PERMANENT EASEMENT	▭ WATERBODY
▭ TEMPORARY EASEMENT	▭ WETLAND
▭ ADDITIONAL TEMPORARY WORKSPACE	

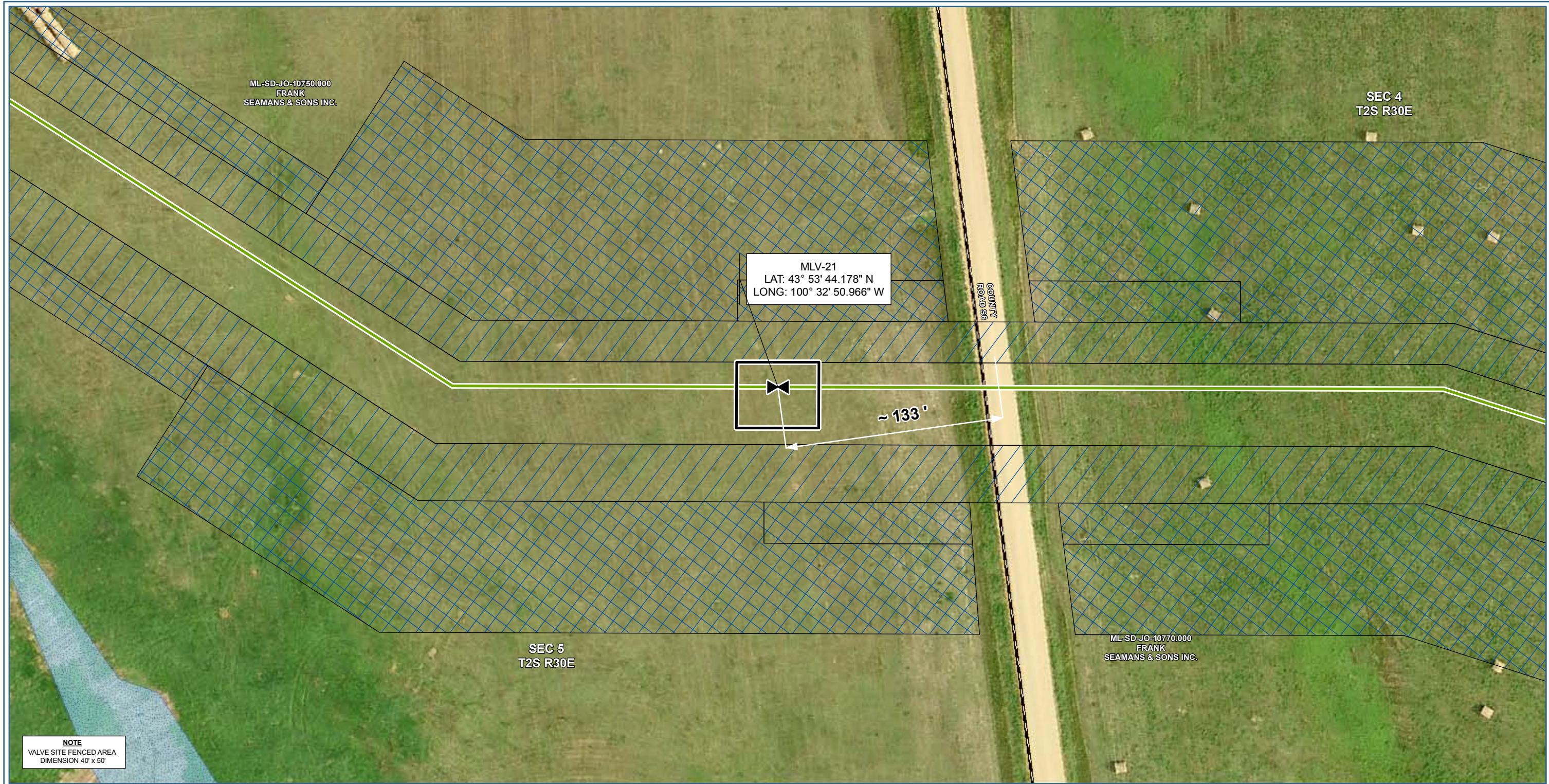
Keystone Phase IV, US
MLV-20

COUNTY:	HAAKON	DRAWN BY:	PD
STATE:	SOUTH DAKOTA	CHECKED BY:	JP
SHEET:	24	APPROVED BY:	RG
REVISION			DATE
3	ISSUED FOR REVIEW		2011-05-26
PRELIMINARY			
PROJECT:	THES0050388X	DWG:	XL-00-ML-9110
DATE:	2011-05-26	REV. NO.:	3

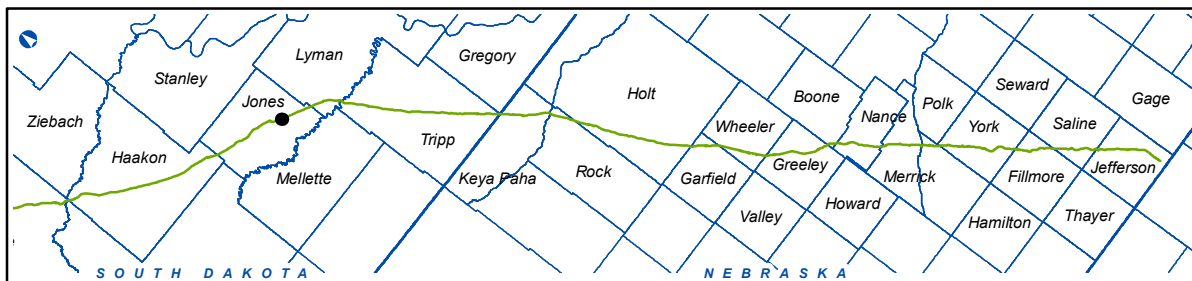
PREPARED BY:
exp Energy Services Inc.
t: +1.850.385.5441 | f: +1.850.385.5523
1300 Metropolitan Blvd.
Tallahassee, FL 32308
U.S.A.
www.exp.com

The new identity of Trow Engineering Consultants, Inc.

• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •



NOTE
VALVE SITE FENCED AREA
DIMENSION 40' x 50'



LEGEND

● MILEPOST	— ACCESS ROAD
— PHASE IV CL (2010-11-18)	— TRANSMISSION LINE
- - - ROUTE VARIATION	— COUNTY LINE
⊞ VALVE LOCATION	▭ PROPERTY PARCEL
▭ VALVE SITE BOUNDARY	▭ SECTION LINE
▭ PERMANENT EASEMENT	▭ WATERBODY
▭ TEMPORARY EASEMENT	▭ WETLAND
▭ ADDITIONAL TEMPORARY WORKSPACE	

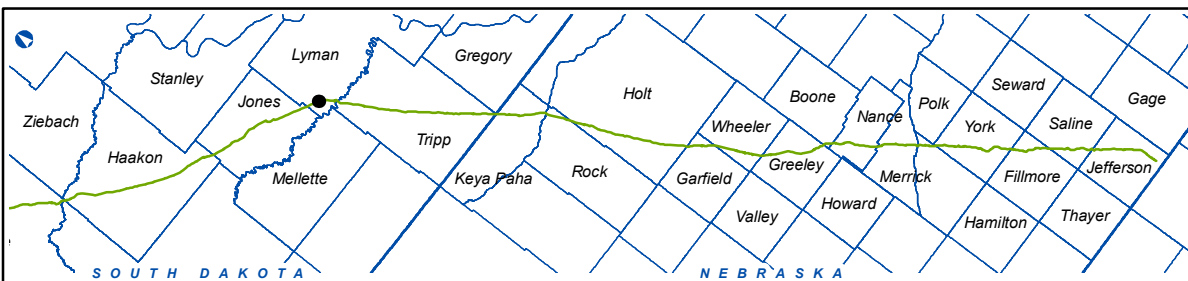
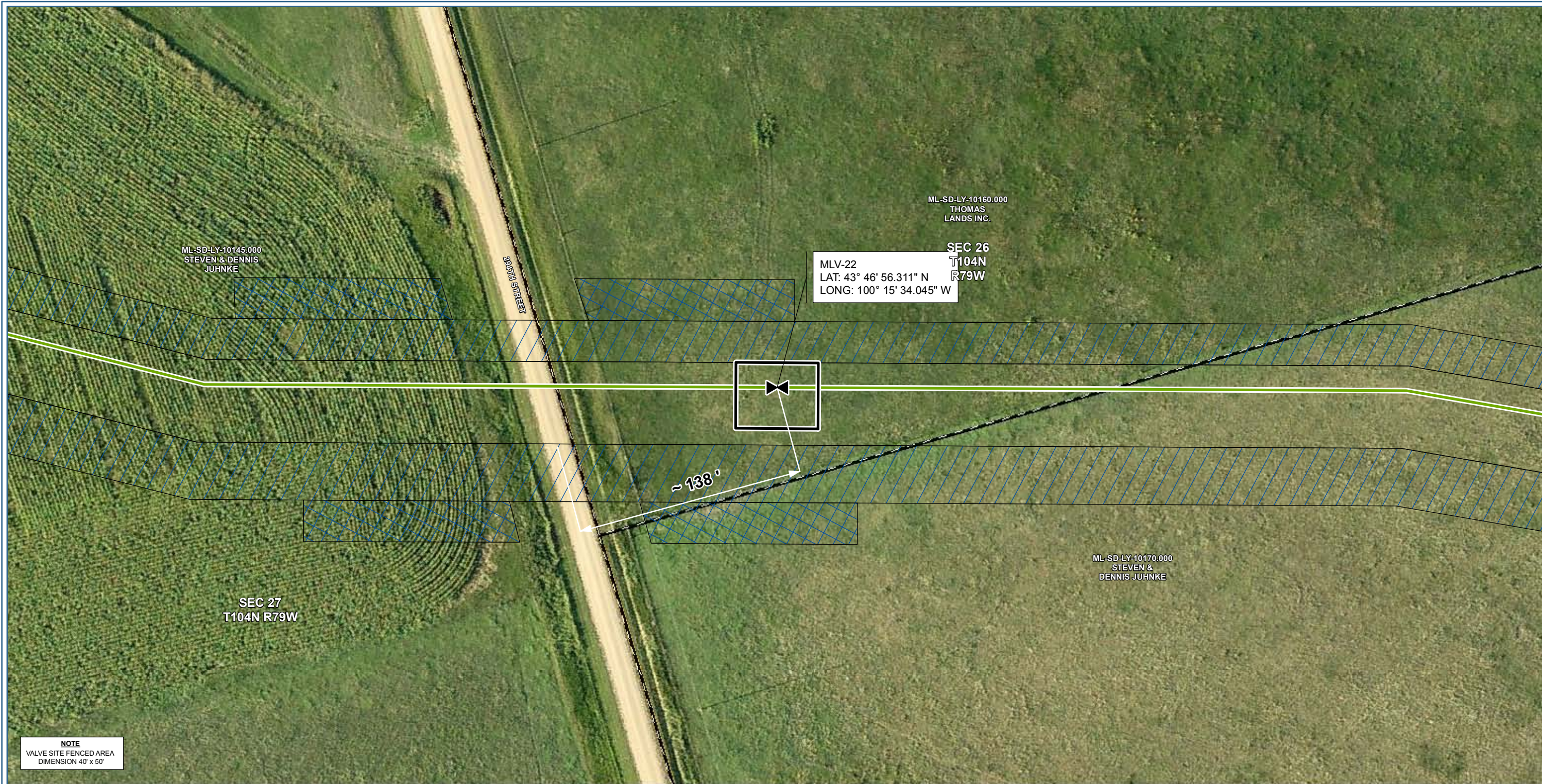
Keystone Phase IV, US
MLV-21

COUNTY:	JONES	DRAWN BY:	PD
STATE:	SOUTH DAKOTA	CHECKED BY:	JP
SHEET:	25	APPROVED BY:	RG
REVISION			DATE
3	ISSUED FOR REVIEW		2011-05-26
PRELIMINARY			
PROJECT:	THES0050388X	DWG:	XL-00-ML-9110
DATE:	2011-05-26	REV. NO.:	3

PREPARED BY:
exp Energy Services Inc.
t: +1.850.385.5441 | f: +1.850.385.5523
1300 Metropolitan Blvd.
Tallahassee, FL 32308
U.S.A.
www.exp.com

The new identity of Trow Engineering Consultants, Inc.

• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •



LEGEND

● MILEPOST	— ACCESS ROAD
— PHASE IV CL (2010-11-18)	— TRANSMISSION LINE
- - - ROUTE VARIATION	— COUNTY LINE
⊞ VALVE LOCATION	▭ PROPERTY PARCEL
▭ VALVE SITE BOUNDARY	▭ SECTION LINE
▭ PERMANENT EASEMENT	▭ WATERBODY
▭ TEMPORARY EASEMENT	▭ WETLAND
▭ ADDITIONAL TEMPORARY WORKSPACE	

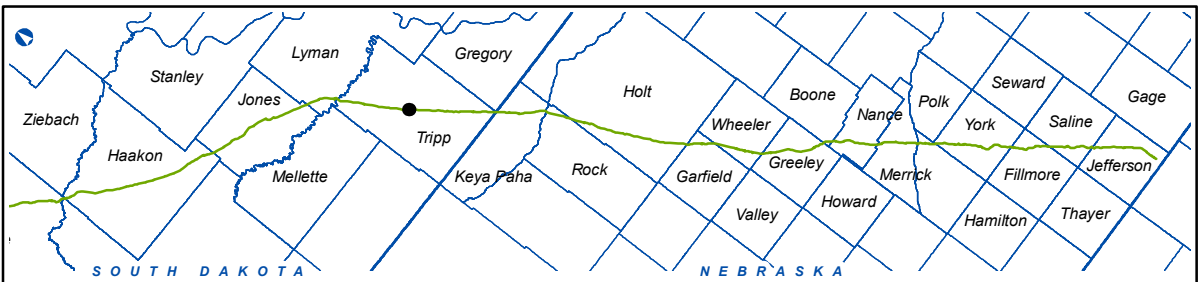
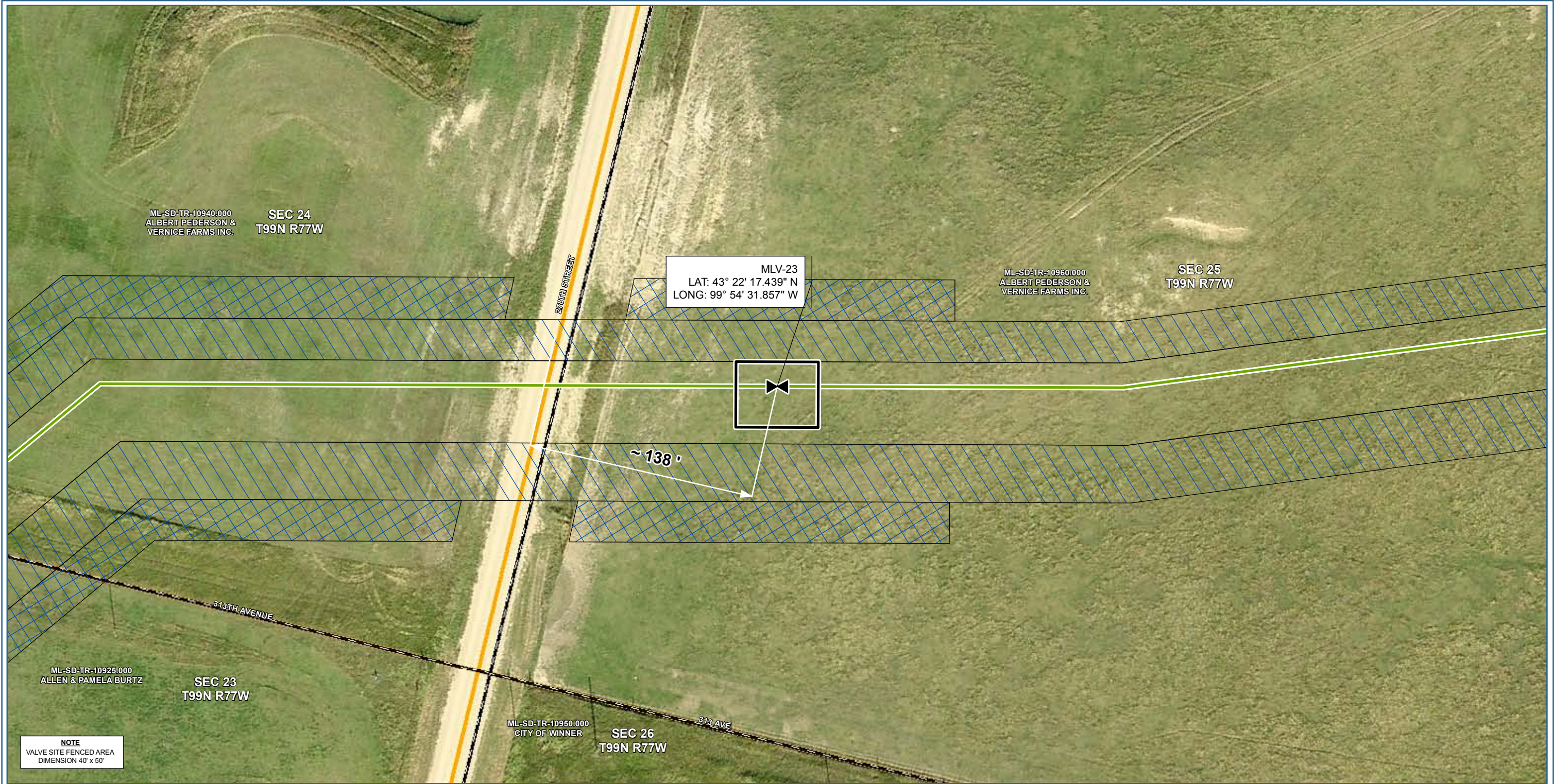
Keystone Phase IV, US
MLV-22

COUNTY:	LYMAN	DRAWN BY:	PD
STATE:	SOUTH DAKOTA	CHECKED BY:	JP
SHEET:	26	APPROVED BY:	RG
REVISION			DATE
3	ISSUED FOR REVIEW		2011-05-26
PRELIMINARY			
PROJECT:	THES0050388X	DWG:	XL-00-ML-9110
DATE:	2011-05-26	REV. NO.:	3

PREPARED BY:
exp Energy Services Inc.
t: +1.850.385.5441 | f: +1.850.385.5523
1300 Metropolitan Blvd.
Tallahassee, FL 32308
U.S.A.
www.exp.com

The new identity of Trow Engineering Consultants, Inc.

• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •



LEGEND

- MILEPOST
- PHASE IV CL (2010-11-18)
- - - ROUTE VARIATION
- ⊠ VALVE LOCATION
- VALVE SITE BOUNDARY
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- ADDITIONAL TEMPORARY WORKSPACE
- ACCESS ROAD
- TRANSMISSION LINE
- COUNTY LINE
- PROPERTY PARCEL
- SECTION LINE
- WATERBODY
- WETLAND

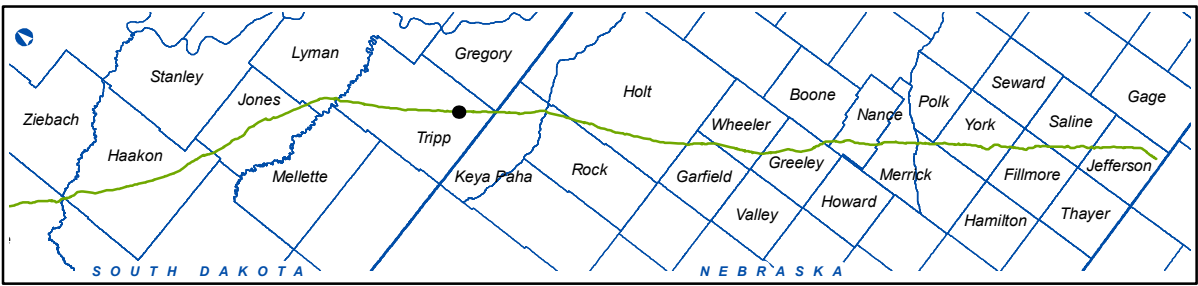
Keystone Phase IV, US
MLV-23

COUNTY:	TRIPP	DRAWN BY:	PD
STATE:	SOUTH DAKOTA	CHECKED BY:	JP
SHEET:	27	APPROVED BY:	RG
REVISION			DATE
3	ISSUED FOR REVIEW		2011-05-26
PRELIMINARY			
PROJECT:	THES0050388X	DWG:	XL-00-ML-9110
DATE:	2011-05-26	REV. NO.:	3

PREPARED BY:
exp Energy Services Inc.
t: +1.850.385.5441 | f: +1.850.385.5523
1300 Metropolitan Blvd.
Tallahassee, FL 32308
U.S.A.
www.exp.com

The new identity of Trow Engineering Consultants, Inc.

• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •



LEGEND

● MILEPOST	— ACCESS ROAD
— PHASE IV CL (2010-11-18)	— TRANSMISSION LINE
- - - ROUTE VARIATION	— COUNTY LINE
⊠ VALVE LOCATION	▭ PROPERTY PARCEL
▭ VALVE SITE BOUNDARY	▭ SECTION LINE
▭ PERMANENT EASEMENT	▭ WATERBODY
▭ TEMPORARY EASEMENT	▭ WETLAND
▭ ADDITIONAL TEMPORARY WORKSPACE	

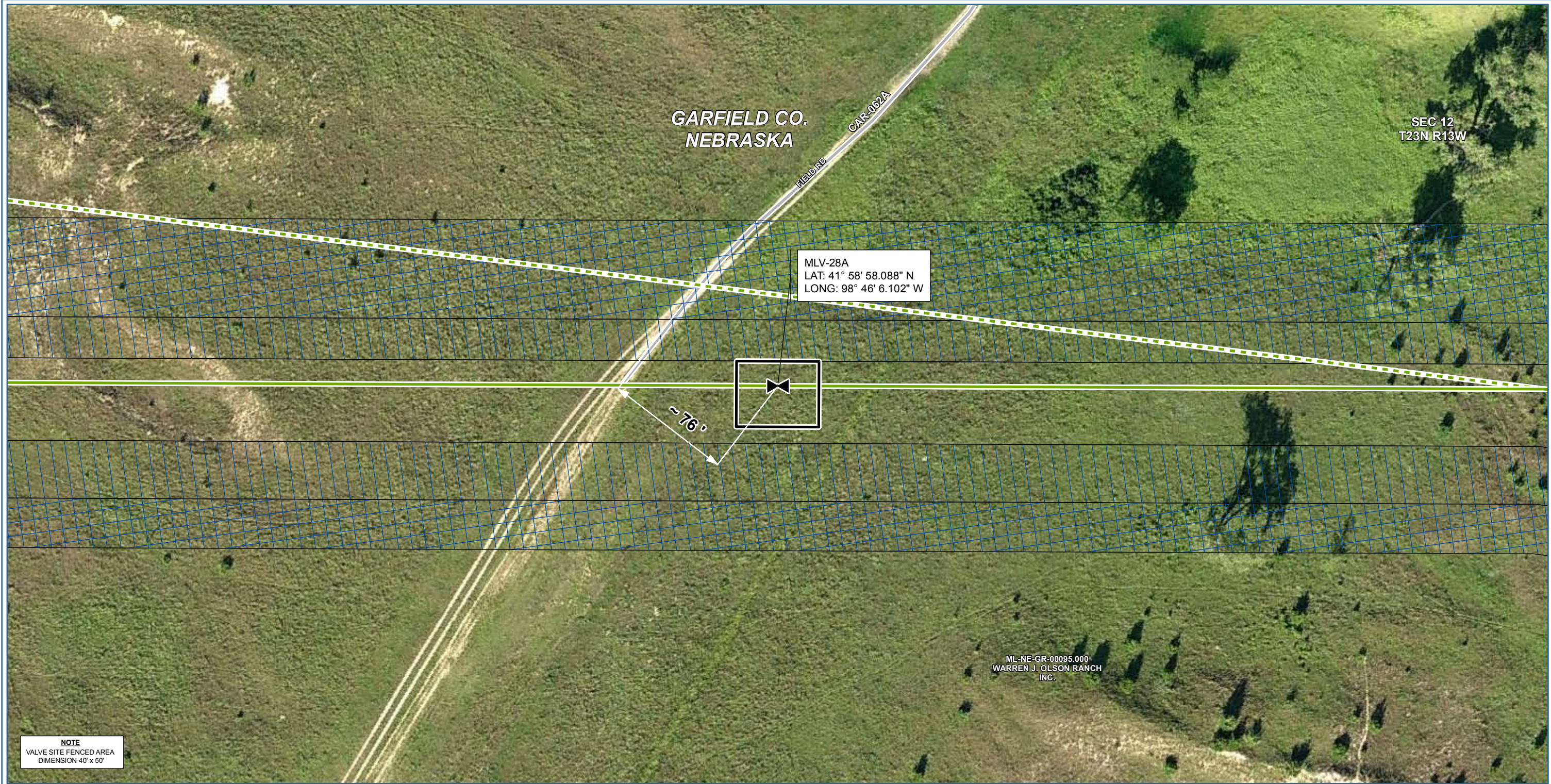
Keystone Phase IV, US
MLV-23A

COUNTY:	TRIPP	DRAWN BY:	PD
STATE:	SOUTH DAKOTA	CHECKED BY:	JP
SHEET:	28	APPROVED BY:	RG
REVISION			DATE
3	ISSUED FOR REVIEW		2011-05-26
PRELIMINARY			
PROJECT:	THES0050388X	DWG:	XL-00-ML-9110
DATE:	2011-05-26	REV. NO.:	3

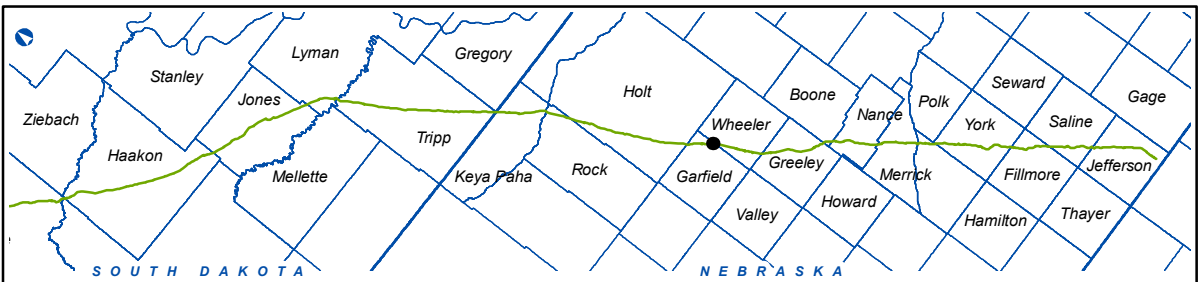
PREPARED BY:
exp Energy Services Inc.
t: +1.850.385.5441 | f: +1.850.385.5523
1300 Metropolitan Blvd.
Tallahassee, FL 32308
U.S.A.
www.exp.com

The new identity of Trow Engineering Consultants, Inc.

• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •



NOTE
VALVE SITE FENCED AREA
DIMENSION 40' x 50'



LEGEND

● MILEPOST	— ACCESS ROAD
— PHASE IV CL (2010-11-18)	— TRANSMISSION LINE
- - - ROUTE VARIATION	□ COUNTY LINE
⊞ VALVE LOCATION	▭ PROPERTY PARCEL
▭ VALVE SITE BOUNDARY	▭ SECTION LINE
▭ PERMANENT EASEMENT	▭ WATERBODY
▭ TEMPORARY EASEMENT	▭ WETLAND
▭ ADDITIONAL TEMPORARY WORKSPACE	

Keystone Phase IV, US
MLV-28A

COUNTY:	GARFIELD	DRAWN BY:	PD
STATE:	NEBRASKA	CHECKED BY:	JP
SHEET:	35	APPROVED BY:	RG
REVISION			DATE
3	ISSUED FOR REVIEW		2011-05-26
PRELIMINARY			
PROJECT:	THES0050388X	DWG:	XL-00-ML-9110
DATE:	2011-05-26	REV. NO.:	3

PREPARED BY:
exp Energy Services Inc.
t: +1.850.385.5441 | f: +1.850.385.5523
1300 Metropolitan Blvd.
Tallahassee, FL 32308
U.S.A.
www.exp.com

The new identity of Trow Engineering Consultants, Inc.

• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •



ML-NE-GY-00185.000
DENNIS W. BJORKLAND,
TRUSTEE

ML-NE-GY-00200.000
MARTENA B. ROVER,
TRUSTEE - C/O
DENNIS W. BJORKLUND

SEC 26
T19N R10W

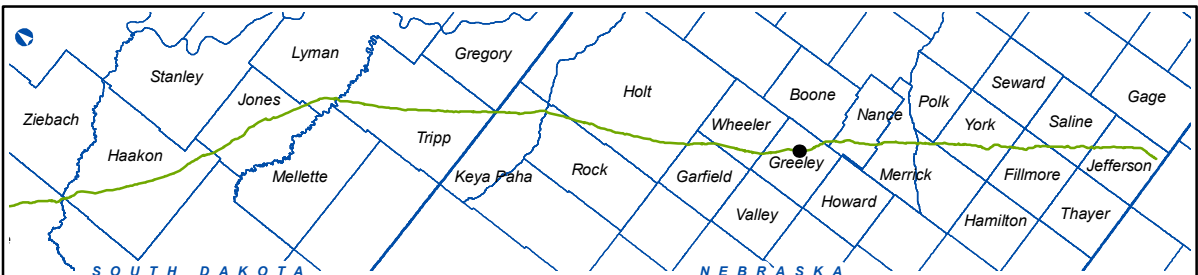
MLV-29
LAT: 41° 35' 25.884\"/>

~88°

SEC 27
T19N R10W

812TH
ROAD

NOTE
VALVE SITE FENCED AREA
DIMENSION 40' x 50'



LEGEND

● MILEPOST	— ACCESS ROAD
— PHASE IV CL (2010-11-18)	— TRANSMISSION LINE
- - - ROUTE VARIATION	□ COUNTY LINE
⊠ VALVE LOCATION	□ PROPERTY PARCEL
□ VALVE SITE BOUNDARY	□ SECTION LINE
□ PERMANENT EASEMENT	□ WATERBODY
□ TEMPORARY EASEMENT	▨ WETLAND
□ ADDITIONAL TEMPORARY WORKSPACE	

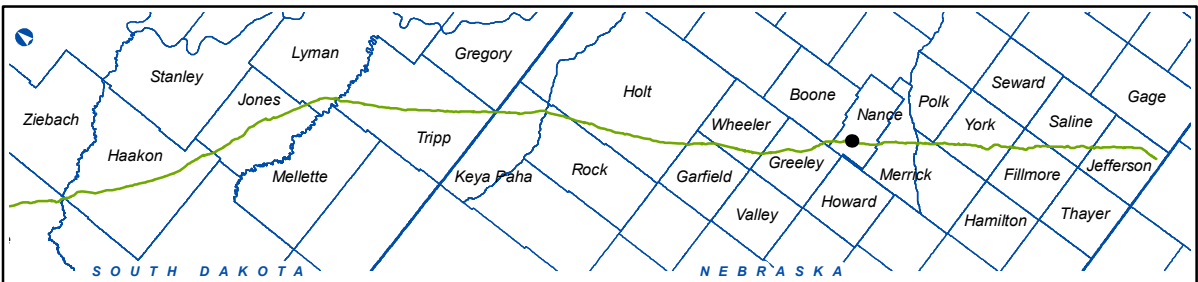
Keystone Phase IV, US
MLV-29

COUNTY:	GREELEY	DRAWN BY:	PD
STATE:	NEBRASKA	CHECKED BY:	JP
SHEET:	36	APPROVED BY:	RG
REVISION			DATE
3	ISSUED FOR REVIEW		2011-05-26
PRELIMINARY			
PROJECT:	THES0050388X	DWG:	XL-00-ML-9110
DATE:	2011-05-26	REV. NO.:	3

PREPARED BY:
exp Energy Services Inc.
t: +1.850.385.5441 | f: +1.850.385.5523
1300 Metropolitan Blvd.
Tallahassee, FL 32308
U.S.A.
www.exp.com

The new identity of Trow Engineering Consultants, Inc.

• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •



LEGEND

- MILEPOST
- PHASE IV CL (2010-11-18)
- - - ROUTE VARIATION
- ⊠ VALVE LOCATION
- VALVE SITE BOUNDARY
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- ADDITIONAL TEMPORARY WORKSPACE
- ACCESS ROAD
- TRANSMISSION LINE
- COUNTY LINE
- PROPERTY PARCEL
- SECTION LINE
- WATERBODY
- WETLAND

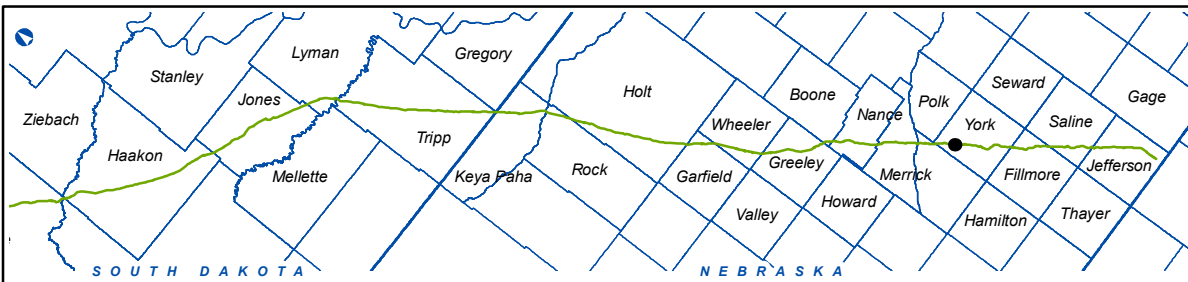
Keystone Phase IV, US
MLV-30

COUNTY:	NANCE	DRAWN BY:	PD
STATE:	NEBRASKA	CHECKED BY:	JP
SHEET:	37	APPROVED BY:	RG
REVISION			DATE
3	ISSUED FOR REVIEW		2011-05-26
PRELIMINARY			
PROJECT:	THES0050388X	DWG:	XL-00-ML-9110
DATE:	2011-05-26	REV. NO.:	3

PREPARED BY:
exp Energy Services Inc.
t: +1.850.385.5441 | f: +1.850.385.5523
1300 Metropolitan Blvd.
Tallahassee, FL 32308
U.S.A.
www.exp.com

The new identity of Trow Engineering Consultants, Inc.

• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •



LEGEND

- MILEPOST
- PHASE IV CL (2010-11-18)
- ROUTE VARIATION
- VALVE LOCATION
- VALVE SITE BOUNDARY
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- ADDITIONAL TEMPORARY WORKSPACE
- ACCESS ROAD
- TRANSMISSION LINE
- COUNTY LINE
- PROPERTY PARCEL
- SECTION LINE
- WATERBODY
- WETLAND

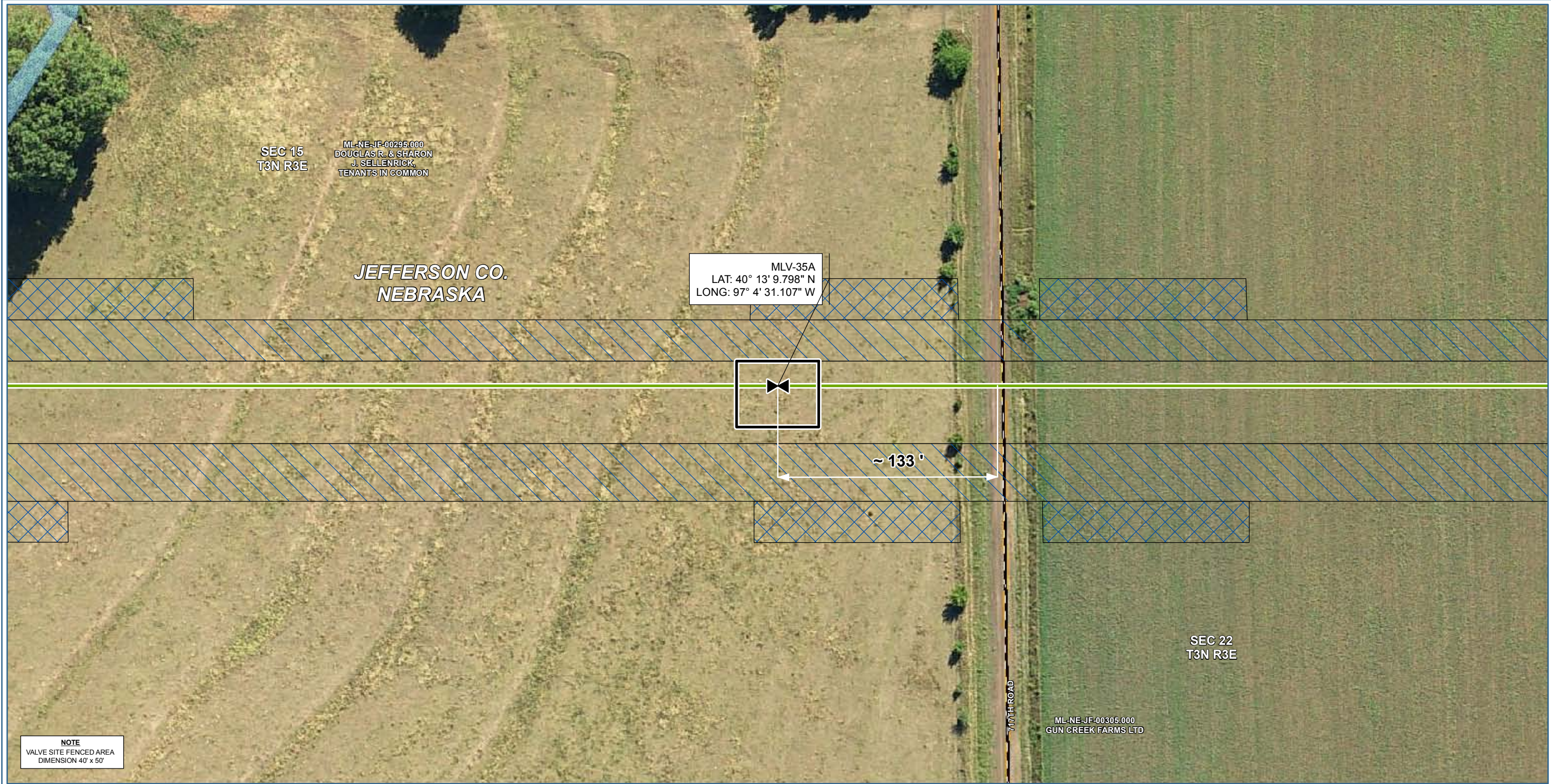
Keystone Phase IV, US
MLV-33

COUNTY:	YORK	DRAWN BY:	PD
STATE:	NEBRASKA	CHECKED BY:	JP
SHEET:	40	APPROVED BY:	RG
REVISION	DATE		
3	ISSUED FOR REVIEW	2011-05-26	
PRELIMINARY			
PROJECT:	THES0050388X	DWG:	XL-00-ML-9110
DATE:	2011-05-26	REV. NO.:	3

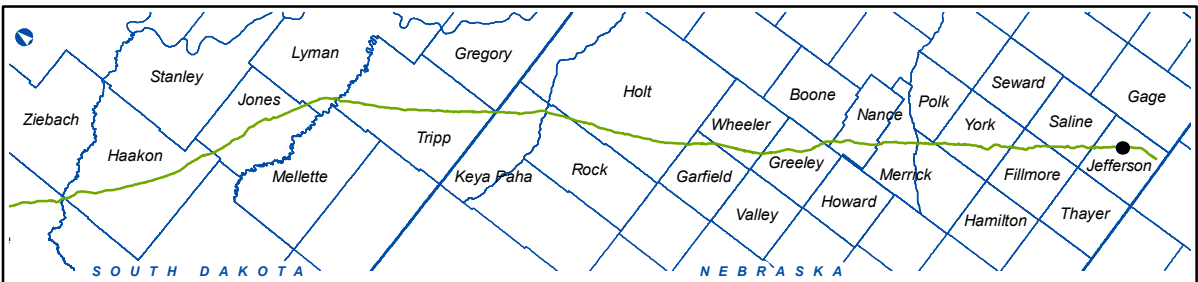
PREPARED BY:
exp Energy Services Inc.
t: +1.850.385.5441 | f: +1.850.385.5523
1300 Metropolitan Blvd.
Tallahassee, FL 32308
U.S.A.
www.exp.com

The new identity of Trow Engineering Consultants, Inc.

• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •



NOTE
VALVE SITE FENCED AREA
DIMENSION 40' x 50'



LEGEND

● MILEPOST	— ACCESS ROAD
— PHASE IV CL (2010-11-18)	— TRANSMISSION LINE
- - - ROUTE VARIATION	□ COUNTY LINE
⊞ VALVE LOCATION	▭ PROPERTY PARCEL
▭ VALVE SITE BOUNDARY	▭ SECTION LINE
▭ PERMANENT EASEMENT	▭ WATERBODY
▭ TEMPORARY EASEMENT	▭ WETLAND
▭ ADDITIONAL TEMPORARY WORKSPACE	

Keystone Phase IV, US
MLV-35A

COUNTY:	JEFFERSON	DRAWN BY:	PD
STATE:	NEBRASKA	CHECKED BY:	JP
SHEET:	43	APPROVED BY:	RG
REVISION			DATE
3	ISSUED FOR REVIEW		2011-05-26
PRELIMINARY			
PROJECT:	THES0050388X	DWG:	XL-00-ML-9110
DATE:	2011-05-26	REV. NO.:	3

PREPARED BY:
exp Energy Services Inc.
t: +1.850.385.5441 | f: +1.850.385.5523
1300 Metropolitan Blvd.
Tallahassee, FL 32308
U.S.A.
www.exp.com

The new identity of Trow Engineering Consultants, Inc.

• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •