

1707 North 9th Street  
PO Box 5523  
Bismarck, ND 58506-5523  
Phone: (701) 328 - 2800  
Fax: (701) 328 - 3650

[www.land.nd.gov](http://www.land.nd.gov)



Lance D. Gaebe, Commissioner

June 25, 2015

MICAH RORIE  
DAKOTA ACCESS LLC  
1300 MAIN ST  
HOUSTON TX 77002



Re: Proposed Dakota Access Oil Transmission Pipeline (ROW#7269) Routes on North Dakota School Trust Lands (PU-14-842)

Dear **Micah**:

On June 4, 2015 Michael Haupt, North Dakota Department of Trust Lands, and Chris Candelaria representing Dakota Access Pipeline had an onsite meeting on section 36, T156N, R94W in Mountrail County to review the proposed Dakota Access Pipeline route across this section. In this meeting Dakota Access requested that it be granted a greater distance than the proposed 25 feet from and parallel to the nearest pipeline in the corridor (the Enbridge "Portal" pipeline) due to the steep topography. On the following day, June 5, 2015 this request was presented to the Land Commissioner and he agreed with routing the proposed Dakota Access Pipeline at 75 feet south of and parallel to the nearest pipeline (the Enbridge "Portal" pipeline) in the pipeline corridor. This applies only to this tract and on all other tracts of Trust Land crossed the proposed Dakota Access Pipeline will need to be routed 25 feet from and parallel to the nearest pipeline in the pipeline corridor.

In order to obtain the Land Commissioner's approval on the routing segment of this pipeline easement request on all School Trust land tracts involved please update the attached survey plats that you previously provided with the following information;

1. The survey plats need to have the total feet, rods, and acres for permanent easement area and temporary construction area broken down for each quarter section of Trust Land that is proposed to be crossed.
2. Temporary work space needs to be depicted correctly as it should not be depicted over adjacent existing pipelines.
3. All access routes around bore segments and emergency routes off of the easement area must be depicted on the survey plat.
4. The pipeline diameter for each tract of Trust Land crossed must be shown on the survey plat.
5. All plats signed by the Registered Land Surveyor.

If you have any questions or would like to meet again, don't hesitate to call me at (701) 328-1945, or email me at [cjbarth@nd.gov](mailto:cjbarth@nd.gov). Thanks.

Sincerely,

Cory Barth

Form Date: 6/25/2015

123 PU-14-842  
Survey plats

Filed: 7/1/2015

Pages: 10

North Dakota Department of Trust Lands

Cory Barth

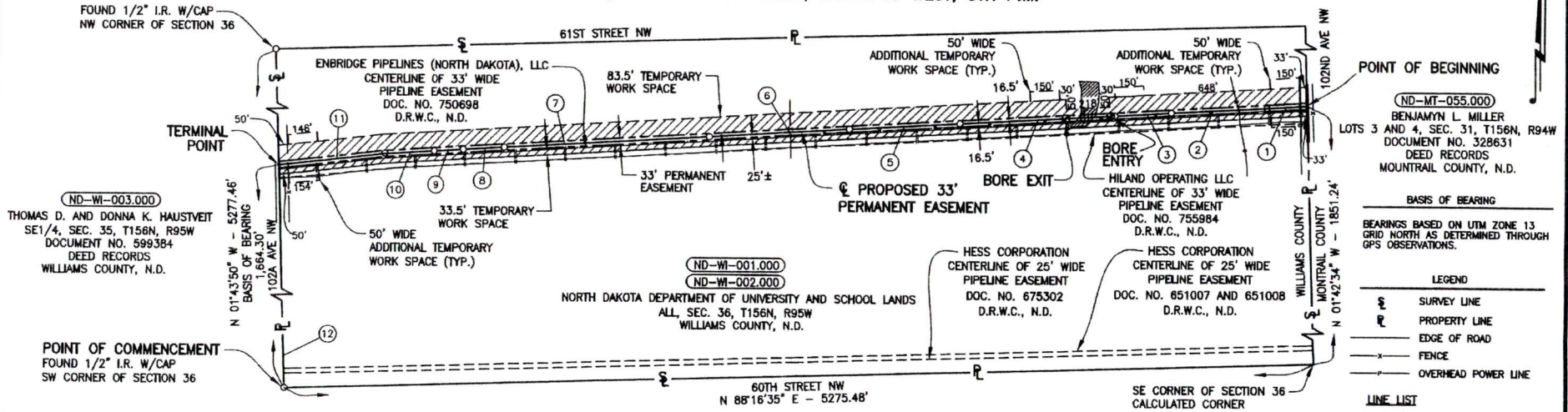
Natural Resources Professional

Enclosure: Draft Survey Plats

cc: Darrell Nitschke, Executive Secretary  
ND Public Service Commission  
600 E Boulevard Ave, Dept. 408  
Bismarck, ND 58505-0408

# WILLIAMS COUNTY, NORTH DAKOTA

PORTION OF THE SOUTH HALF OF  
SECTION 36, TOWNSHIP 156 NORTH, RANGE 95 WEST, 5TH P.M.



**POINT OF BEGINNING**  
 (ND-MT-055.000)  
 BENJAMYN L. MILLER  
 LOTS 3 AND 4, SEC. 31, T156N, R94W  
 DOCUMENT NO. 328631  
 DEED RECORDS  
 MOUNTRAIL COUNTY, N.D.

(ND-WI-003.000)  
 THOMAS D. AND DONNA K. HAUSTVEIT  
 SE1/4, SEC. 35, T156N, R95W  
 DOCUMENT NO. 599384  
 DEED RECORDS  
 WILLIAMS COUNTY, N.D.

(ND-WI-001.000)  
 (ND-WI-002.000)  
 NORTH DAKOTA DEPARTMENT OF UNIVERSITY AND SCHOOL LANDS  
 ALL, SEC. 36, T156N, R95W  
 WILLIAMS COUNTY, N.D.

HESS CORPORATION  
 CENTERLINE OF 25' WIDE  
 PIPELINE EASEMENT  
 DOC. NO. 675302  
 D.R.W.C., N.D.

HESS CORPORATION  
 CENTERLINE OF 25' WIDE  
 PIPELINE EASEMENT  
 DOC. NO. 651007 AND 651008  
 D.R.W.C., N.D.

HILAND OPERATING LLC  
 CENTERLINE OF 33' WIDE  
 PIPELINE EASEMENT  
 DOC. NO. 755984  
 D.R.W.C., N.D.

**BASIS OF BEARING**  
 BEARINGS BASED ON UTM ZONE 13  
 GRID NORTH AS DETERMINED THROUGH  
 GPS OBSERVATIONS.

**LEGEND**

—	SURVEY LINE
—	PROPERTY LINE
—	EDGE OF ROAD
—	FENCE
—	OVERHEAD POWER LINE

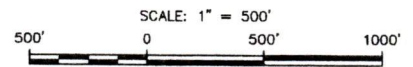
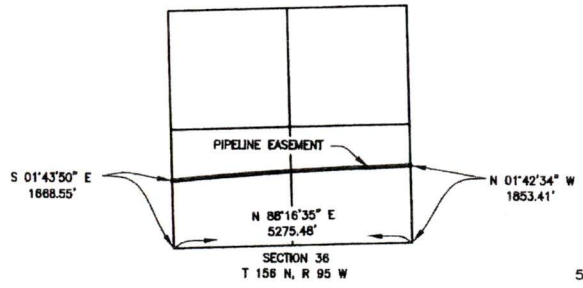
**LINE LIST**

1.	S 86°25'53" W	202.46'
2.	S 86°41'17" W	489.42'
3.	S 86°31'18" W	341.66'
4.	S 86°39'15" W	740.51'
5.	S 86°42'05" W	564.99'
6.	S 86°27'45" W	719.35'
7.	S 86°35'54" W	1052.90'
8.	S 86°28'17" W	209.12'
9.	S 86°35'21" W	151.69'
10.	S 86°31'08" W	259.56'
11.	S 83°19'52" W	548.61'
12.	N 01°43'50" W	1664.30' - TIE

TOTAL LENGTH: 5,280.25 FEET = 320.02 RODS  
 PERMANENT EASEMENT (4.00 AC.)  
 TEMPORARY WORK SPACE (13.93 AC.)  
 ADDITIONAL TEMPORARY WORK SPACE (1.03 AC.)



**DETAIL "A"**  
N.T.S.



DAKOTA ACCESS, LLC			
NORTH DAKOTA DEPARTMENT OF UNIVERSITY AND SCHOOL LANDS WILLIAMS COUNTY NORTH DAKOTA			
REV.	DATE	BY	DESCRIPTION
PROJECT NO. 103957			
WOOD GROUP MUSTANG, INC. NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C			
DRAWN BY: JMH		DATE: 02/22/15	DWG. NO.
CHECKED BY: SJB		DATE: 02/24/15	REV.
SCALE: 1"=500'		APP.: CH	ND-WI-001.000
			A

**WILLIAMS COUNTY, NORTH DAKOTA**  
 PORTION OF THE SOUTH HALF OF  
 SECTION 36, TOWNSHIP 156 NORTH, RANGE 95 WEST, 5TH P.M.

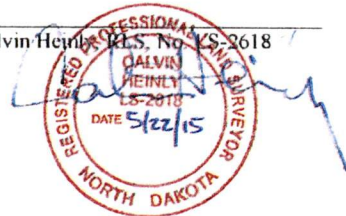
**SURVEYOR'S CERTIFICATE**

I, Calvin Heinly, a Licensed Land Surveyor in and for the State of North Dakota, do hereby certify that at the request of the North Dakota Department of University and School Lands, did complete a survey for the purpose of establishing the permanent pipeline easement located in the South Half (S1/2) of Section 36, Township 156 North, Range 95 West of the 5<sup>th</sup> P.M., Williams County, North Dakota, said easement being comprised of a strip of land 33 feet in width lying 16.5 feet on each side of the following described centerline:

**LEGAL DESCRIPTION OF PERMANENT EASEMENT:** Commencing at a 1/2-inch iron rod with a cap found for the southwest corner of said Section 36; thence North 88 degrees 16 minutes 35 seconds East along the south line of said Section 36, a distance of 5,275.48 feet to the southeast corner of said Section 36, thence North 01 degrees 42 minutes 34 seconds West along the east line of said Section 36, a distance of 1,851.24 feet to the Point of Beginning; thence South 86 degrees 25 minutes 53 seconds West, a distance of 202.46 feet; thence South 86 degrees 41 minutes 17 seconds West, a distance of 489.42 feet; thence South 86 degrees 31 minutes 18 seconds West, a distance of 341.66 feet; thence South 86 degrees 39 minutes 15 seconds West, a distance of 740.51 feet; thence South 86 degrees 42 minutes 05 seconds West, a distance of 564.99 feet; thence South 86 degrees 27 minutes 45 seconds West, a distance of 719.35 feet; thence South 86 degrees 35 minutes 54 seconds West, a distance of 1,052.90 feet; thence South 86 degrees 28 minutes 17 seconds West, a distance of 209.12 feet; thence South 86 degrees 35 minutes 21 seconds West, a distance of 151.69 feet; thence South 86 degrees 31 minutes 08 seconds West, a distance of 259.56 feet; thence South 83 degrees 19 minutes 52 seconds West, a distance of 548.61 feet; to the west line of said Section 36 and thus terminating, said ending point being located North 01 degrees 43 minutes 50 seconds West along the west line of said Section 36, a distance of 1,664.30 feet from the southwest corner of said Section 36 and containing 6.06 acres.

This Certificate is to the best of my knowledge and belief a true description of said survey. I hereby certify that I have executed this document this \_\_\_ day of \_\_\_\_\_, 2015.


Calvin Heinly, P.L.S. No. 2618



ND-WI-001.000

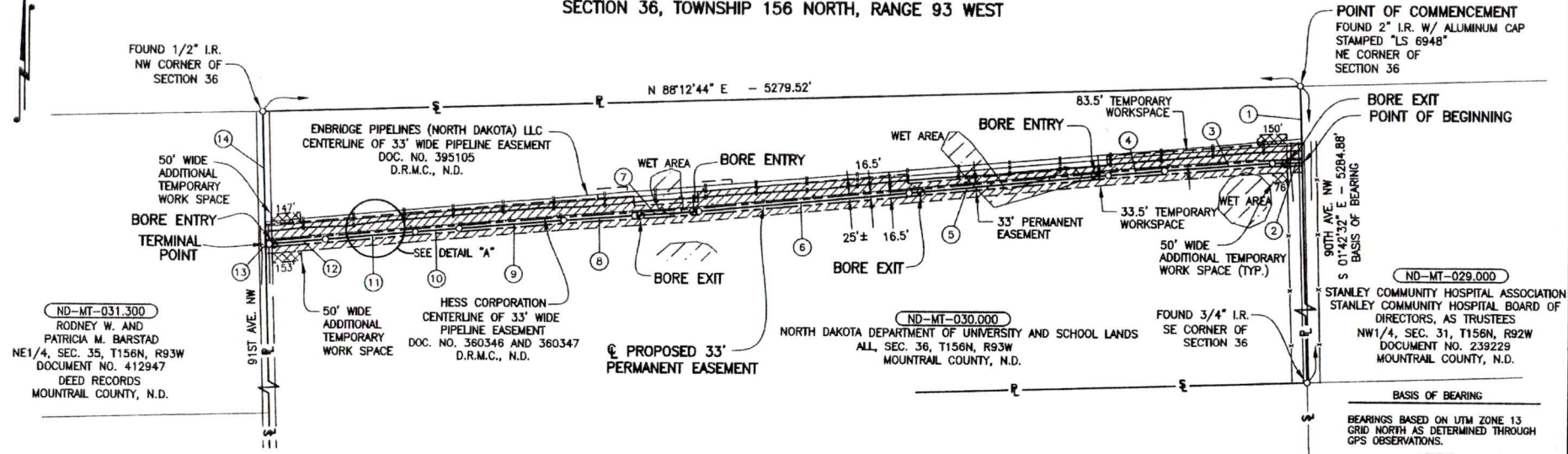
ND-WI-002.000

NORTH DAKOTA DEPARTMENT OF UNIVERSITY AND SCHOOL LANDS  
 ALL, SEC. 36, T156N, R95W  
 WILLIAMS COUNTY, N.D.

REV.		DATE	BY	DESCRIPTION	CHK.
PROJECT NO. 103957					
WOOD GROUP MUSTANG, INC.					
 DAKOTA ACCESS, LLC					
NORTH DAKOTA DEPARTMENT OF UNIVERSITY AND SCHOOL LANDS WILLIAMS COUNTY NORTH DAKOTA					
DRAWN BY: JMH		DATE: 02/22/15	DWG. NO.		REV.
CHECKED BY: SJB		DATE: 02/24/15	ND-WI-001.000		A
SCALE: 1"=500'		APP: CH			

# MOUNTRAIL COUNTY, NORTH DAKOTA

PORTION OF THE NORTH HALF OF SECTION 36, TOWNSHIP 156 NORTH, RANGE 93 WEST



BASIS OF BEARING

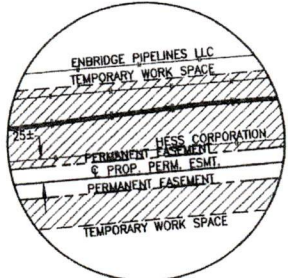
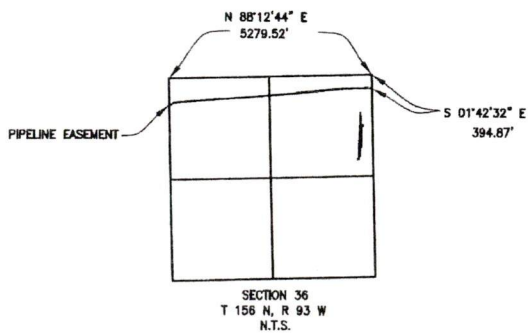
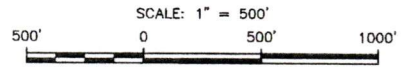
BEARINGS BASED ON UTM ZONE 13 GRID NORTH AS DETERMINED THROUGH GPS OBSERVATIONS.

- LEGEND
- SURVEY LINE
  - PROPERTY LINE
  - EDGE OF ROAD
  - FENCE

- LINE LIST
1. S 01°42'32" E - 390.74' - TIE
  2. S 88°18'50" W - 152.27'
  3. S 85°24'34" W - 544.17'
  4. S 85°05'27" W - 285.73'
  5. S 84°23'28" W - 1013.05'
  6. S 84°29'58" W - 1073.31'
  7. S 86°02'15" W - 327.98'
  8. S 85°55'10" W - 358.81'
  9. S 85°01'14" W - 534.65'
  10. S 85°18'11" W - 231.11'
  11. S 84°53'45" W - 459.75'
  12. S 84°57'10" W - 289.06'
  13. S 84°04'36" W - 19.55'
  14. S 01°37'31" E - 682.38' - TIE

TOTAL LENGTH: 5,289.43 FEET = 320.57 RODS

- PERMANENT EASEMENT (4.01 AC.)
- TEMPORARY WORK SPACE (12.67 AC.)
- ADDITIONAL TEMPORARY WORK SPACE (0.95 AC.)



DETAIL "A"  
N.T.S.

<table border="1"> <tr> <td>REV.</td> <td>DATE</td> <td>BY</td> <td>DESCRIPTION</td> <td>CHK.</td> </tr> <tr> <td>B</td> <td>06/18/15</td> <td>JMH</td> <td>LINE CHANGE</td> <td>JRS</td> </tr> <tr> <td>A</td> <td>02/18/15</td> <td>JMH</td> <td>ISSUED FOR REVIEW</td> <td>SJB</td> </tr> </table>				REV.	DATE	BY	DESCRIPTION	CHK.	B	06/18/15	JMH	LINE CHANGE	JRS	A	02/18/15	JMH	ISSUED FOR REVIEW	SJB	<p>DAKOTA ACCESS, LLC</p>	
REV.	DATE	BY	DESCRIPTION	CHK.																
B	06/18/15	JMH	LINE CHANGE	JRS																
A	02/18/15	JMH	ISSUED FOR REVIEW	SJB																
PROJECT NO. <b>103957</b>				NORTH DAKOTA DEPARTMENT OF UNIVERSITY AND SCHOOL LANDS MOUNTRAIL COUNTY NORTH DAKOTA																
<p><b>WOOD GROUP MUSTANG, INC.</b> NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C</p>				DRAWN BY: AVD CHECKED BY: JRS SCALE: 1"=500'	DATE: 02/03/15 DATE: 05/18/15 APP.: CH															
				DWG. NO. <b>ND-MT-030.000</b>	REV. <b>B</b>															

**MOUNTRAIL COUNTY, NORTH DAKOTA**

PORTION OF THE NORTH HALF OF  
SECTION 36, TOWNSHIP 156 NORTH, RANGE 93 WEST

**SURVEYOR'S CERTIFICATE**

I, Calvin Heinly, a Licensed Land Surveyor in and for the State of North Dakota, do hereby certify that at the request of the North Dakota Department of University and School Lands, did complete a survey for the purpose of establishing the permanent pipeline easement located in the North Half (N1/2) of Section 36, Township 156 North, Range 93 West of the 5<sup>th</sup> P.M., Mountrail County, North Dakota, said easement being comprised of a strip of land 33 feet in width lying 16.5 feet on each side of the following described centerline:

**LEGAL DESCRIPTION OF PERMANENT EASEMENT:** Commencing at a 2-inch aluminum cap stamped "LS 6948" found for the northeast corner of said Section 36; thence South 01 degrees 42 minutes 32 seconds East along the east line of said Section 36, a distance of 390.74 feet to the Point of Beginning; thence South 88 degrees 18 minutes 50 seconds West, a distance of 152.27 feet; thence South 85 degrees 24 minutes 34 seconds West, a distance of 544.17 feet; thence South 85 degrees 05 minutes 27 seconds West, a distance of 285.73 feet; thence South 84 degrees 23 minutes 28 seconds West, a distance of 1013.05 feet; thence South 84 degrees 29 minutes 58 seconds West, a distance of 1073.31 feet; thence South 86 degrees 02 minutes 15 seconds West, a distance of 327.98 feet; thence South 85 degrees 55 minutes 10 seconds West, a distance of 358.81 feet; thence South 85 degrees 01 minutes 14 seconds West, a distance of 534.65 feet; thence South 85 degrees 18 minutes 11 seconds West, a distance of 231.11 feet; thence South 84 degrees 53 minutes 45 seconds West, a distance of 459.75 feet; thence South 84 degrees 57 minutes 10 seconds West, a distance of 289.06 feet; thence South 84 degrees 04 minutes 36 seconds West, a distance of 19.55 feet to the west line of said Section 36 and thus terminating, said ending point being located South 01 degrees 37 minutes 31 seconds East along the west line of said Section 36, a distance of 682.38 feet from the northwest corner of said Section 36 and containing 4.01 acres.

This Certificate is to the best of my knowledge and belief a true description of said survey. I hereby certify that I have executed this document this \_\_\_ day of \_\_\_\_\_, 2015.

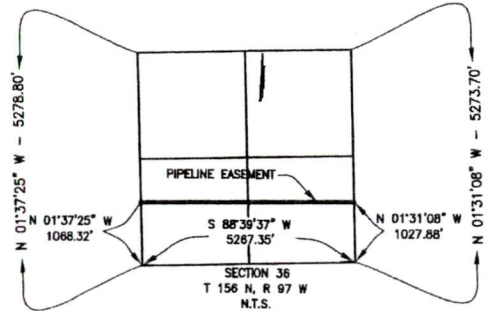
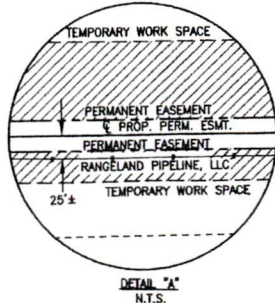
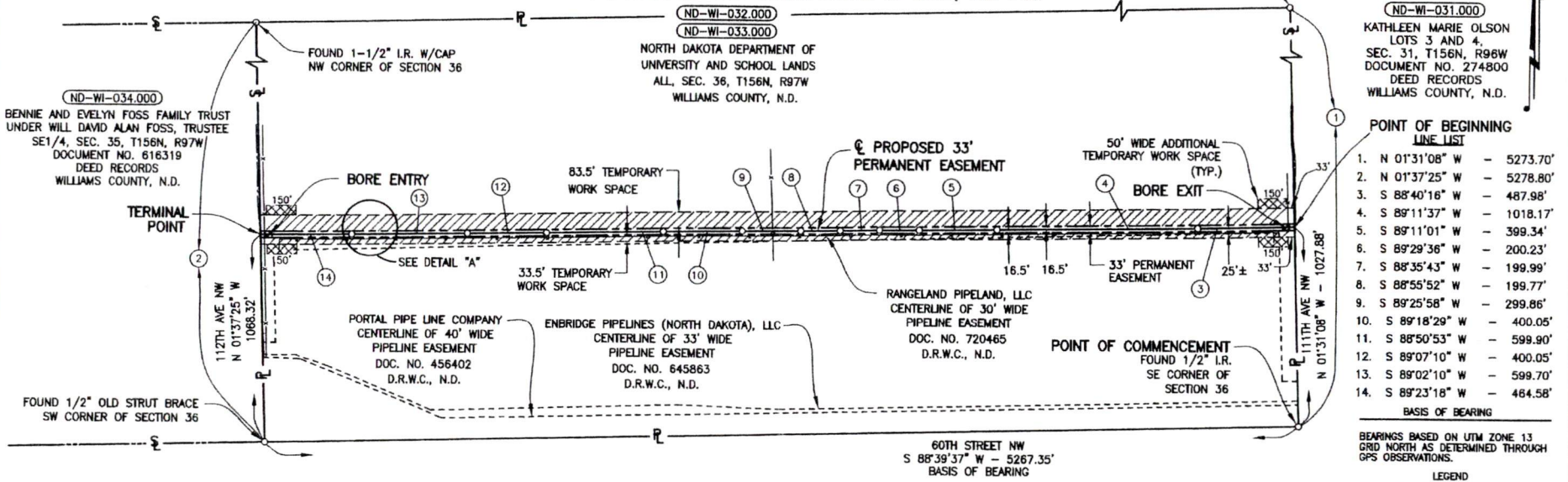


ND-MT-030.000  
NORTH DAKOTA DEPARTMENT OF UNIVERSITY AND SCHOOL LANDS  
ALL SEC. 36, T156N, R93W  
MOUNTRAIL COUNTY, N.D.

REV.		DATE	BY	DESCRIPTION	CHK.
PROJECT NO. 103957					
WOOD GROUP MUSTANG, INC.					
DAKOTA ACCESS, LLC					
NORTH DAKOTA DEPARTMENT OF UNIVERSITY AND SCHOOL LANDS					
DRAWN BY: AVD		DATE: 02/03/15	DWG. NO.		REV.
CHECKED BY: JRS		DATE: 05/18/15	ND-MT-030.000		B
SCALE: 1"=500'		APP: CH			

# WILLIAMS COUNTY, NORTH DAKOTA

PORTION OF THE SOUTH HALF OF  
SECTION 36, TOWNSHIP 156 NORTH, RANGE 97 WEST, 5TH P.M.



REV.	DATE	BY	DESCRIPTION	CHK.
B	05/18/15	JMH	LINE CHANGE	JRS
A	02/23/15	JMH	ISSUED FOR REVIEW	SJB
PROJECT NO. 103957				
WOOD GROUP MUSTANG, INC. NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C				

DAKOTA ACCESS, LLC			
NORTH DAKOTA DEPARTMENT OF UNIVERSITY AND SCHOOL LANDS WILLIAMS COUNTY NORTH DAKOTA			
DRAWN BY: JMH	DATE: 02/21/15	DWG. NO.	REV.
CHECKED BY: JRS	DATE: 05/18/15	ND-WI-032.000	B
SCALE: 1"=500'	APP: CH		

**WILLIAMS COUNTY, NORTH DAKOTA**  
 PORTION OF THE SOUTH HALF OF  
 SECTION 36, TOWNSHIP 156 NORTH, RANGE 97 WEST, 5TH P.M.

**SURVEYOR'S CERTIFICATE**

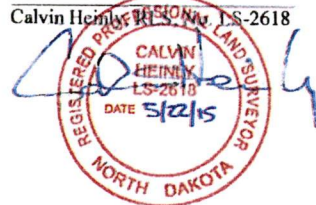
I, Calvin Heinly, a Licensed Land Surveyor in and for the State of North Dakota, do hereby certify that at the request of the North Dakota Department of University and School Lands, did complete a survey for the purpose of establishing the permanent pipeline easement located in the South Half (S1/2) of Section 36, Township 156 North, Range 97 West of the 5<sup>th</sup> P.M., Williams County, North Dakota, said easement being comprised of a strip of land 33 feet in width lying 16.5 feet on each side of the following described centerline:

**LEGAL DESCRIPTION OF PERMANENT EASEMENT:** Commencing at a 1/2-inch iron rod found for the southeast corner of said Section 36; thence North 01 degrees 31 minutes 08 seconds West along the east line of said Section 36, a distance of 1,027.88 feet to the Point of Beginning; thence South 88 degrees 40 minutes 16 seconds West, a distance of 487.98 feet; thence South 89 degrees 11 minutes 37 seconds West, a distance of 1,018.17 feet; thence South 89 degrees 11 minutes 01 seconds West, a distance of 399.34 feet; thence South 89 degrees 29 minutes 36 seconds West, a distance of 200.23 feet; thence South 88 degrees 35 minutes 43 seconds West, a distance of 199.99 feet; thence South 88 degrees 55 minutes 52 seconds West, a distance of 199.77 feet; thence South 89 degrees 25 minutes 58 seconds West, a distance of 299.86 feet; thence South 89 degrees 18 minutes 29 seconds West, a distance of 400.05 feet; thence South 88 degrees 50 minutes 53 seconds West, a distance of 599.90 feet; thence South 89 degrees 07 minutes 10 seconds West, a distance of 400.05 feet; thence South 89 degrees 02 minutes 10 seconds West, a distance of 599.70 feet; thence South 89 degrees 23 minutes 18 seconds West, a distance of 464.58 feet to the west line of said Section 36 and thus terminating, said ending point being located North 01 degrees 37 minutes 25 seconds West along the west line of said Section 36, a distance of 1,068.32 feet from the southwest corner of said Section 36 and containing 3.99 acres.

This Certificate is to the best of my knowledge and belief a true description of said survey. I hereby certify that I have executed this document this \_\_\_\_ day of \_\_\_\_\_, 2015.

ND-WI-032.000  
 ND-WI-033.000  
 NORTH DAKOTA DEPARTMENT OF  
 UNIVERSITY AND SCHOOL LANDS  
 ALL, SEC. 36, T156N, R97W  
 WILLIAMS COUNTY, N.D.

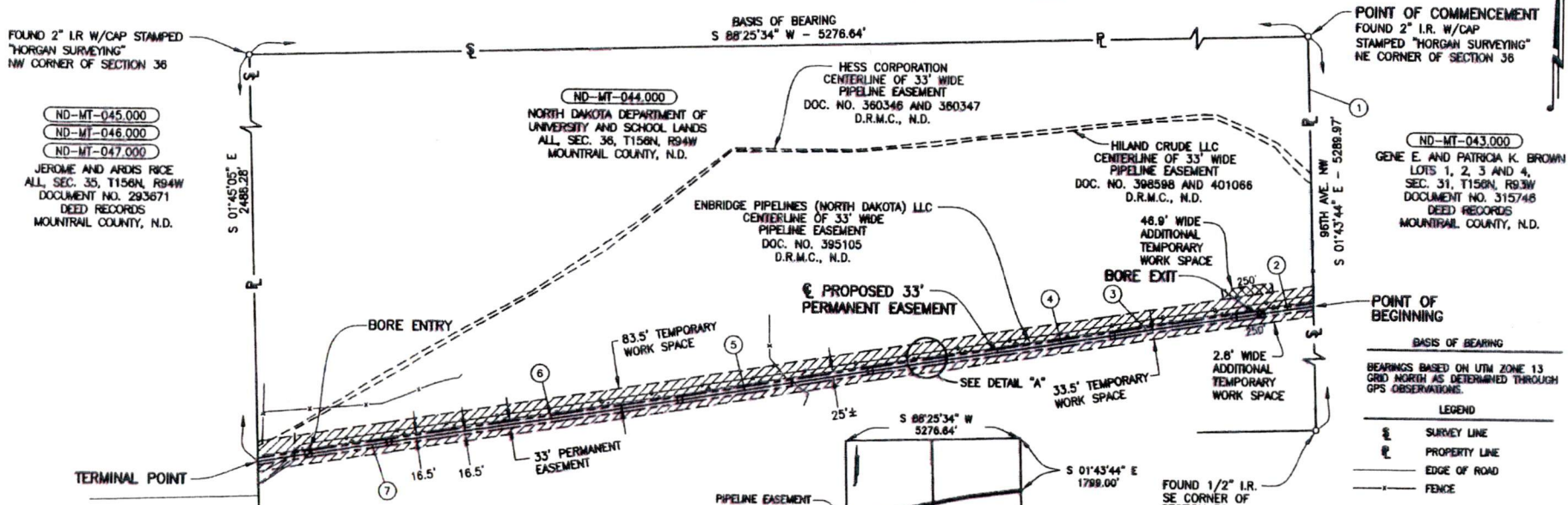
Calvin Heinly, WILLIAMS COUNTY, LS-2618



			DAKOTA ACCESS, LLC	
NORTH DAKOTA DEPARTMENT OF UNIVERSITY AND SCHOOL LANDS WILLIAMS COUNTY			NORTH DAKOTA	
REV.	DATE	BY	DESCRIPTION	CHK.
PROJECT NO. 103957			DRAWN BY: JMH    DATE: 02/21/15    DWG. NO.    REV. CHECKED BY: JRS    DATE: 05/18/15 SCALE: 1"=500'    APP.: CH	
WOOD GROUP MUSTANG, INC.			ND-WI-032.000    B	

# MOUNTRAIL COUNTY, NORTH DAKOTA

PORTION OF THE NORTH HALF OF  
SECTION 36, TOWNSHIP 156 NORTH, RANGE 94 WEST



FOUND 2" I.R. W/CAP STAMPED "HORGAN SURVEYING" NW CORNER OF SECTION 36

- ND-MT-045.000
- ND-MT-046.000
- ND-MT-047.000

JEROME AND ARDIS RICE  
ALL SEC. 35, T156N, R94W  
DOCUMENT NO. 293671  
DEED RECORDS  
MOUNTRAIL COUNTY, N.D.

ND-MT-044.000  
NORTH DAKOTA DEPARTMENT OF  
UNIVERSITY AND SCHOOL LANDS  
ALL SEC. 36, T156N, R94W  
MOUNTRAIL COUNTY, N.D.

HESS CORPORATION  
CENTERLINE OF 33' WIDE  
PIPELINE EASEMENT  
DOC. NO. 360346 AND 360347  
D.R.M.C., N.D.

HILAND CRUDE LLC  
CENTERLINE OF 33' WIDE  
PIPELINE EASEMENT  
DOC. NO. 398598 AND 401066  
D.R.M.C., N.D.

ND-MT-043.000  
GENE E. AND PATRICIA K. BROWN  
LOTS 1, 2, 3 AND 4,  
SEC. 31, T156N, R93W  
DOCUMENT NO. 315748  
DEED RECORDS  
MOUNTRAIL COUNTY, N.D.

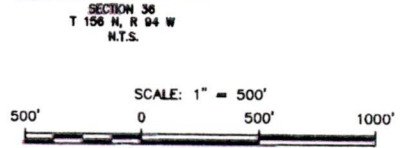
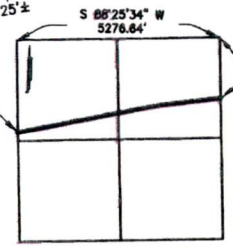
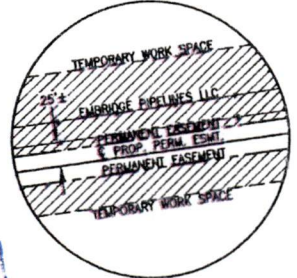
## SURVEYOR'S CERTIFICATE

I, Calvin Heintz, a Licensed Land Surveyor in and for the State of North Dakota, do hereby certify that at the request of the North Dakota Department of University and School Lands, did complete a survey for the purpose of establishing the permanent pipeline easement located in the North Half (N1/2) of Section 36, Township 156 North, Range 94 West of the 5<sup>th</sup> P.M., Mountrail County, North Dakota, said easement being comprised of a strip of land 33 feet in width lying 16.5 feet on each side of the following described centerline:

**LEGAL DESCRIPTION OF PERMANENT EASEMENT:** Commencing at a 2-inch aluminum cap stamped "HORGAN SURVEYING" found for the northeast corner of said Section 36; thence South 01 degrees 43 minutes 44 seconds East along the east line of said Section 36, a distance of 1,799.00 feet to the Point of Beginning; thence South 81 degrees 06 minutes 46 seconds West, a distance of 399.45 feet; thence South 80 degrees 31 minutes 45 seconds West, a distance of 609.45 feet; thence South 80 degrees 10 minutes 35 seconds West, a distance of 1,214.21 feet; thence South 80 degrees 31 minutes 21 seconds West, a distance of 959.87 feet; thence South 81 degrees 10 minutes 56 seconds West, a distance of 1,470.58 feet; thence South 80 degrees 58 minutes 29 seconds West, a distance of 605.14 feet to the west line of said Section 36 and thus terminating, said ending point being located South 81 degrees 10 minutes 56 seconds East along the west line of said Section 36, a distance of 2,488.28 feet from the northeast corner of said Section 36 and containing 4.03 acres.

This Certificate is to the best of my knowledge and belief a true and correct description of said easement, and I hereby certify that I have executed this document this \_\_\_\_\_ day of \_\_\_\_\_, 2015.

Calvin Heintz, R.L.S. No. 1.S-2618



BASIS OF BEARING  
BEARINGS BASED ON UTM ZONE 13  
GRID NORTH AS DETERMINED THROUGH  
GPS OBSERVATIONS.

- LEGEND
- SURVEY LINE
  - PROPERTY LINE
  - EDGE OF ROAD
  - FENCE

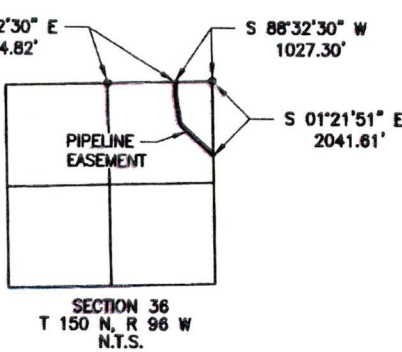
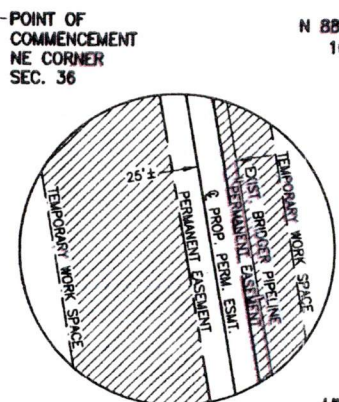
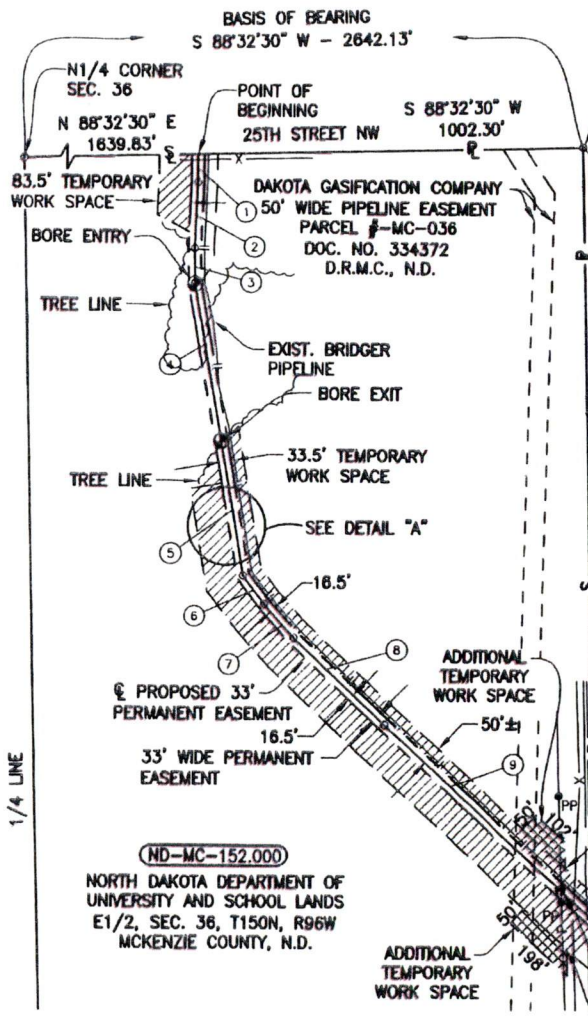
- LINE LIST
1. S 01°43'44" E - 1799.00' - TIE
  2. S 81°06'46" W - 399.45'
  3. S 80°31'45" W - 609.45'
  4. S 81°10'35" W - 1214.21'
  5. S 80°39'21" W - 959.87'
  6. S 81°10'56" W - 1470.58'
  7. S 80°58'29" W - 605.14'

- TOTAL LENGTH: 5,318.70 FEET = 322.35 RODS
- PERMANENT EASEMENT (4.03 AC.)
- TEMPORARY WORK SPACE (14.29 AC.)
- ADDITIONAL TEMPORARY WORK SPACE (0.29 AC.)

B 05/18/15 JMH LINE CHANGE JRS		DAKOTA ACCESS, LLC	
A 02/20/15 JMH ISSUED FOR REVIEW SJB		NORTH DAKOTA DEPARTMENT OF UNIVERSITY AND SCHOOL LANDS MOUNTRAIL COUNTY NORTH DAKOTA	
REV.	DATE	BY	DESCRIPTION
PROJECT NO. 103957		DRAWN BY: AND DATE: 02/03/15 DWG. NO. REV.	
WOOD GROUP MUSTANG, INC. NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C		CHECKED BY: JRS DATE: 05/18/15	
SCALE: 1"=500'		APP: CH ND-MT-044.000 B	

# McKENZIE COUNTY, NORTH DAKOTA

PORTION OF THE EAST HALF OF  
SECTION 36, TOWNSHIP 150 NORTH, RANGE 96 WEST, 5TH P.M.



BASIS OF BEARING  
BEARINGS BASED ON UTM ZONE 13  
GRID NORTH AS DETERMINED THROUGH  
GPS OBSERVATIONS.

- LEGEND
- PP POWER POLE
  - FOUND 1-1/2" ALUMINUM CAP
  - COMPUTED EASEMENT POINT
  - P— OVERHEAD POWER LINE
  - X— FENCE LINE
  - EDGE OF ROAD
  - - - CENTERLINE OF ROAD
  - § SURVEY LINE
  - ℙ PROPERTY LINE

### SURVEYOR'S CERTIFICATE

I, Calvin Heinly, a Licensed Land Surveyor in and for the State of North Dakota, do hereby certify that at the request of the North Dakota Department of University and School Lands, did complete a survey for the purpose of establishing the permanent pipeline easement located in the East Half (E1/2) of Section 36, Township 150 North, Range 96 West of the 5th P.M., McKenzie County, North Dakota, said easement being comprised of a strip of land 33 feet in width lying 16.5 feet on each side of the following described centerline:

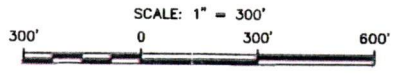
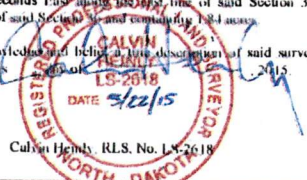
**LINE LIST**

1.	S 00°04'37" W	71.92'
2.	S 02°26'04" W	172.81'
3.	S 00°58'58" E	90.21'
4.	S 09°57'18" E	423.11'
5.	S 09°42'54" E	346.40'
6.	S 09°42'54" E	393.58'
7.	S 37°16'56" E	92.50'
8.	S 42°10'10" E	117.07'
9.	S 46°50'26" E	324.60'
10.	S 47°32'53" E	749.00'

TOTAL LENGTH: 2,387.61 FEET = 144.70 RODS  
 PERMANENT EASEMENT (1.81 AC.)  
 TEMPORARY WORK SPACE (4.92 AC.)  
 ADDITIONAL TEMPORARY WORK SPACE (0.34 AC.)

**LEGAL DESCRIPTION OF PERMANENT EASEMENT:** Commencing at a 1-1/2-inch aluminum cap found for the northeast corner of said Section 36; thence South 88 degrees 32 minutes 30 seconds West along the north line of said Section 36, a distance of 1002.30 feet to the Point of Beginning; thence South 00 degrees 04 minutes 37 seconds West, a distance of 71.92 feet; thence South 02 degrees 26 minutes 04 seconds West, a distance of 172.81 feet; thence South 00 degrees 58 minutes 56 seconds East, a distance of 90.21 feet; thence South 09 degrees 57 minutes 18 seconds East, a distance of 423.11 feet; thence South 09 degrees 42 minutes 54 seconds East, a distance of 346.40 feet; thence South 09 degrees 42 minutes 54 seconds East, a distance of 393.58 feet; thence South 37 degrees 16 minutes 56 seconds East, a distance of 92.50 feet; thence South 42 degrees 10 minutes 10 seconds East, a distance of 117.07 feet; thence South 46 degrees 50 minutes 26 seconds East, a distance of 324.60 feet; thence South 47 degrees 32 minutes 53 seconds East, a distance of 749.00 feet to the east line of said Section 36 and thence commencing, said ending point being located South 01 degrees 21 minutes 51 seconds East along the east line of said Section 36, a distance of 2,006.97 feet from the northeast corner of said Section 36 and containing 1.81 acres.

This Certificate is to the best of my knowledge and belief a true description of said survey. I hereby certify that I have executed this document this 5th day of February, 2015.



ND-MC-152.000  
 NORTH DAKOTA DEPARTMENT OF  
 UNIVERSITY AND SCHOOL LANDS  
 E1/2, SEC. 36, T150N, R96W  
 MCKENZIE COUNTY, N.D.

PROJECT NO. 103957		DAKOTA ACCESS, LLC	
WOOD GROUP MUSTANG, INC. NORTH DAKOTA REGISTERED ENGINEERING FIRM #27C		NORTH DAKOTA DEPARTMENT OF UNIVERSITY AND SCHOOL LANDS MCKENZIE COUNTY	
REV. DATE BY DESCRIPTION CHK.	DATE BY DESCRIPTION CHK.	DATE: 01/12/15	DWG. NO.
B 05/18/15 JAH LINE CHANGE JRS	A 01/19/15 JAH ISSUED FOR REVIEW SB	CHECKED BY: JRS	DATE: 05/18/15
SCALE: 1"=300'		APP: CH	
		ND-MC-152.000 B	

FILE: C:\051215 START DORY AGAM\Plan\ND-MC-152.000.dwg PLOT DATE: 5/22/2015 BY: MUSTANG