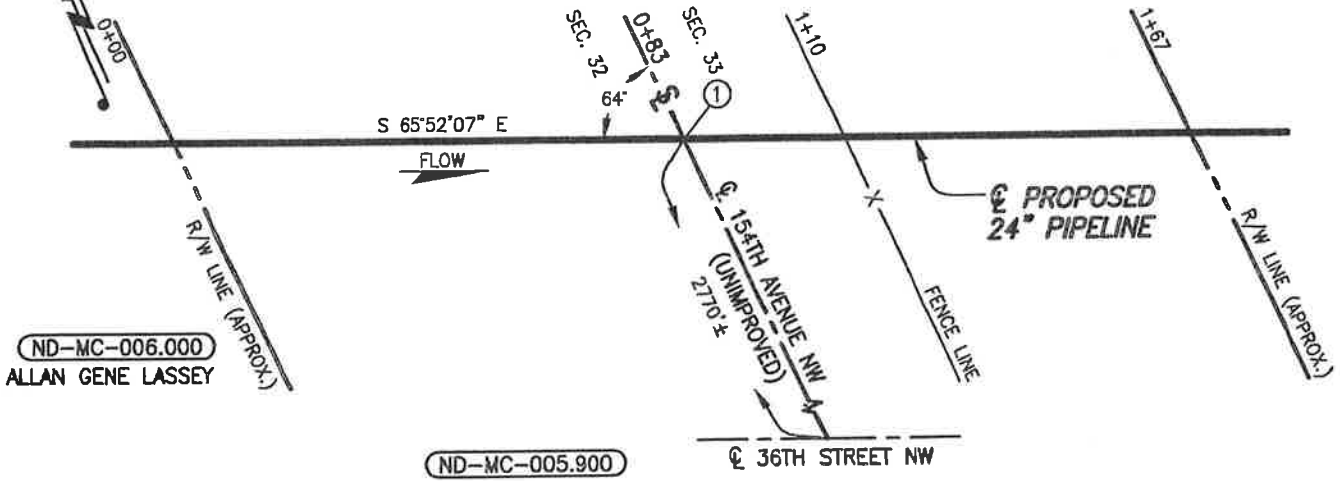


McKENZIE COUNTY, NORTH DAKOTA

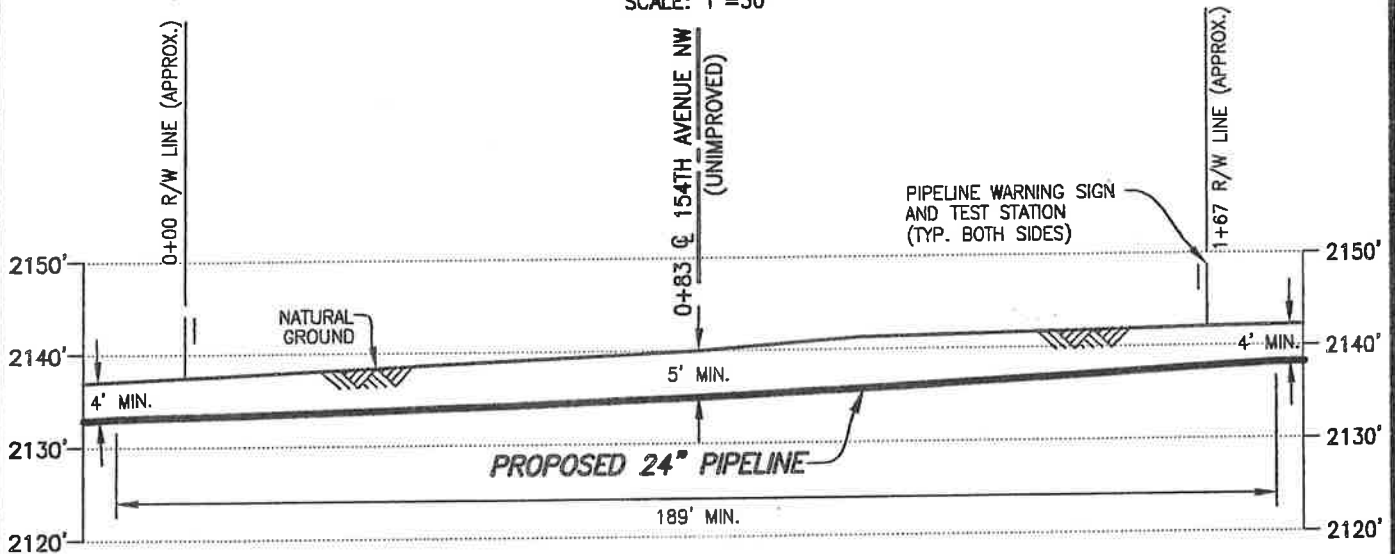
SECTIONS 32 & 33, TOWNSHIP 152 NORTH, RANGE 103 WEST

ND-MC-006.000
ALLAN GENE LASSEY



PLAN

SCALE: 1"=30'



PROFILE

SCALE: 1"=30' HORIZ.
1"=20' VERT.

① X=1913986.23
Y=17423582.29

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: @ 154TH AVENUE NW (UNIMPROVED) AT STA. 0+83, ELEV. 2139.99'

PIPE SPECIFICATIONS

PIPE 24" O.D. x 0.500" W.T.
API 5LX-70 ERW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/02/15	PRV	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 24" DAPL PIPELINE CROSSING 154TH AVENUE NW (UNIMPROVED)

McKENZIE COUNTY

NORTH DAKOTA

DRAWN BY: PRV

DATE: 02/16/15

DWG. NO.

REV.

CHECKED BY: RC

DATE: 03/02/15

ND-MC-005.900

A

SCALE: AS SHOWN

APP.:

PERMIT TO CONSTRUCT AN APPROACH TO A COUNTY MAINTAINED ROAD

Revised Application Effective May 12, 2014

Dalcoata Access, LLC of 1300 Main Street, Houston, TX 77002
 Approach Owner Address, City, State & Zip

	Road where approach will be located	Section	Township (N)	Range (W)	Approach Type	If Multifamily, how many units? OR How many trucks per day?	For Official Use Only (Fee)
Approach 1	153 Ave NW	33	152	103	Temporary	Pipe Line	100 ⁰⁰
Approach 2	153 Ave NW	34	152	103	Temporary	Pipe Line	100 ⁰⁰
							Total Fee: 200 ⁰⁰

APPROACH USE

Farm / Field Access (FF)

Limited use. Access to farm land or a field.

Residential- Single Family (SF)

Moderate use. Access to a single family home or farm.

Residential- Multi Family (MF)

High use. Access to multiple homes, farms, temporary housing including work camps.

Commercial (CM)

High truck use. Access to a commercial/industrial installation.

Oil Pad (OP)

Moderate truck use. Access to an Oil Pad.

Site Name: _____

Email Address: _____

CLAIRE CUNNINGHAM
 Printed Name of Authorized Agent of the Contractor or Approach Owner

802.989.2489
 Telephone Number

PERMIT APPROVED

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

Claire Cunningham
 Approach Owner or Agent Name for Approach Owner

802.989.2489
 Telephone Number

APR 10 2016

1100 Weiss Avenue
 Address

Bismarck, ND 58503
 Address
 City, State & Zip Code



The Contractor must comply with all terms and conditions stated herein, especially the minimum engineering standards. Failure to comply with this CONDITIONAL CONSENT shall cause the consent to be rescinded and the Contractor must remove the approach from the right-of-way immediately or be responsible for the costs incurred by the County in removing the same. The County specifically reserves the right to remove the approach from right-of-way for non-compliance and reimbursement will be made to the County by the Contractor for doing the same.

ND-MC-008.930
 153 Ave NW

PERMIT TO CONSTRUCT AN APPROACH TO A COUNTY MAINTAINED ROAD

Revised Application Effective May 12, 2014

Dalco Access, LLC of 1300 main street, Houston, Tx 77002
 Approach Owner Address, City, State & Zip

	Road where approach will be located	Section	Township (N)	Range (W)	Approach Type	If Multifamily, how many units? OR How many trucks per day?	For Official Use Only (Fee)
Approach 1	36 ST NW	34	152	103	Temporary Pipeline		100 ⁼⁼
Approach 2	36 st. NW	3	151	103	Temporary Pipeline		100 ⁼⁼
Total Fee:							200⁼⁼

APPROACH USE

Farm / Field Access (FF)

Limited use. Access to farm land or a field.

Residential- Single Family (SF)

Moderate use. Access to a single family home or farm.

Residential- Multi Family (MF)

High use. Access to multiple homes, farms, temporary housing including work camps.

Commercial (CM)

High truck use. Access to a commercial/industrial installation.

Oil Pad (OP)

Moderate truck use. Access to an Oil Pad.

Site Name: _____

Email Address: _____

802.989.2489

Temporary Pipeline
CLAIRE CUNNINGHAM
 Printed Name of Authorized Agent of the Contractor or Approach Owner

PERMIT APPROVED

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

Claire Cunningham
 Approach Owner or Agent Name for Approach Owner

802.989.2489
 Telephone Number

APR 03 2016

1100 Weiss Avenue
 Address

Bismarck, ND 58503
 Address
 City, State & Zip Code



The Contractor must comply with all terms and conditions stated herein, especially the minimum engineering standards. Failure to comply with this CONDITIONAL CONSENT shall cause the consent to be rescinded and the Contractor must remove the approach from the right-of-way immediately or be responsible for the costs incurred by the County in removing the same. The County specifically reserves the right to remove the approach from right-of-way for non-compliance and reimbursement will be made to the County by the Contractor for doing the same.

ND-MC-009.040
 36 ST. NW

PERMIT TO CONSTRUCT AN APPROACH TO A COUNTY MAINTAINED ROAD

Revised Application Effective May 12, 2014

Dalcoata Access, LLC of 1300 Main Street, Houston, TX 77002
 Approach Owner Address, City, State & Zip

	Road where approach will be located	Section	Township (N)	Range (W)	Approach Type	If Multifamily, how many units? OR How many trucks per day?	For Official Use Only (Fee)
Approach 1	152 AVE	3	151	103	Temporary Pipeline Construction		100 ⁰⁰
Approach 2	152 AVE	2	103 151	103	Temporary Pipeline Construction		100 ⁰⁰
Total Fee:							200⁰⁰

APPROACH USE

Farm / Field Access (FF)

Limited use. Access to farm land or a field.

Residential- Single Family (SF)

Moderate use. Access to a single family home or farm.

Residential- Multi Family (MF)

High use. Access to multiple homes, farms, temporary housing including work camps.

Commercial (CM)

High truck use. Access to a commercial/industrial installation.

Oil Pad (OP)

Moderate/ truck use. Access to an Oil Pad.

Site Name: _____

Email Address: _____

Temporary Pipeline Construction

CLAIRE Cunningham
 Printed Name of Authorized Agent of the Contractor or Approach Owner

802.989.2489
 Telephone Number

PERMIT APPROVED

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

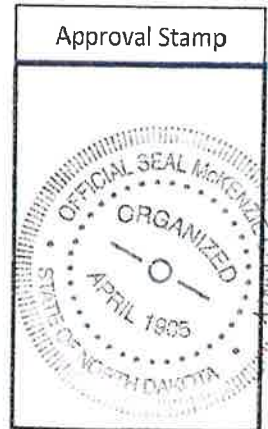
Claire Cunningham
 Approach Owner or Agent Name for Approach Owner

802.989.2489
 Telephone Number

APR 09 2016

1100 Weiss Avenue
 Address

Bismarck, ND 58503
 Address
 City, State & Zip Code

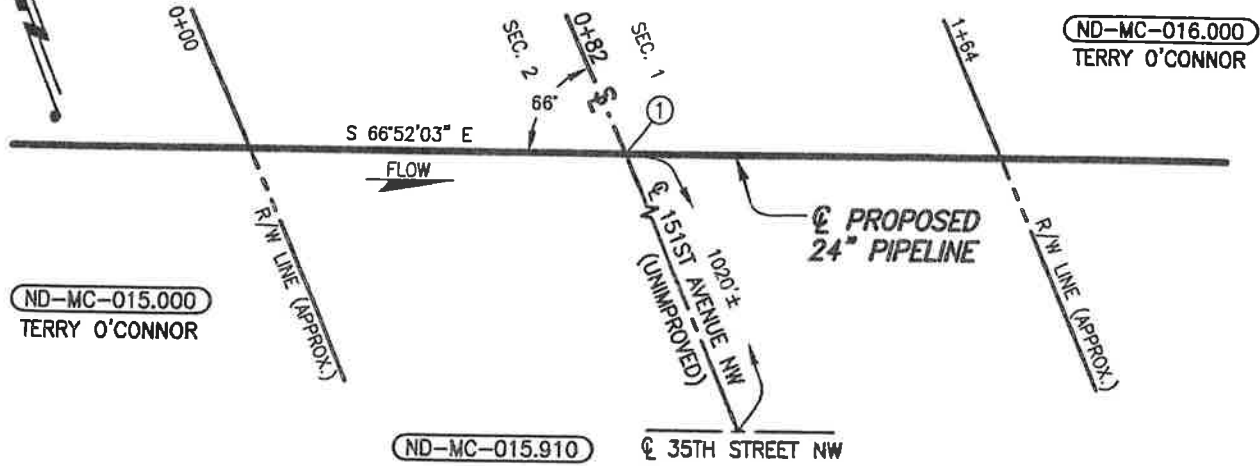


The Contractor must comply with all terms and conditions stated herein, especially the minimum engineering standards. Failure to comply with this CONDITIONAL CONSENT shall cause the consent to be rescinded and the Contractor must remove the approach from the right-of-way immediately or be responsible for the costs incurred by the County in removing the same. The County specifically reserves the right to remove the approach from right-of-way for non-compliance and reimbursement will be made to the County by the Contractor for doing the same.

ND-MC-011.910
 152 AVE. NW

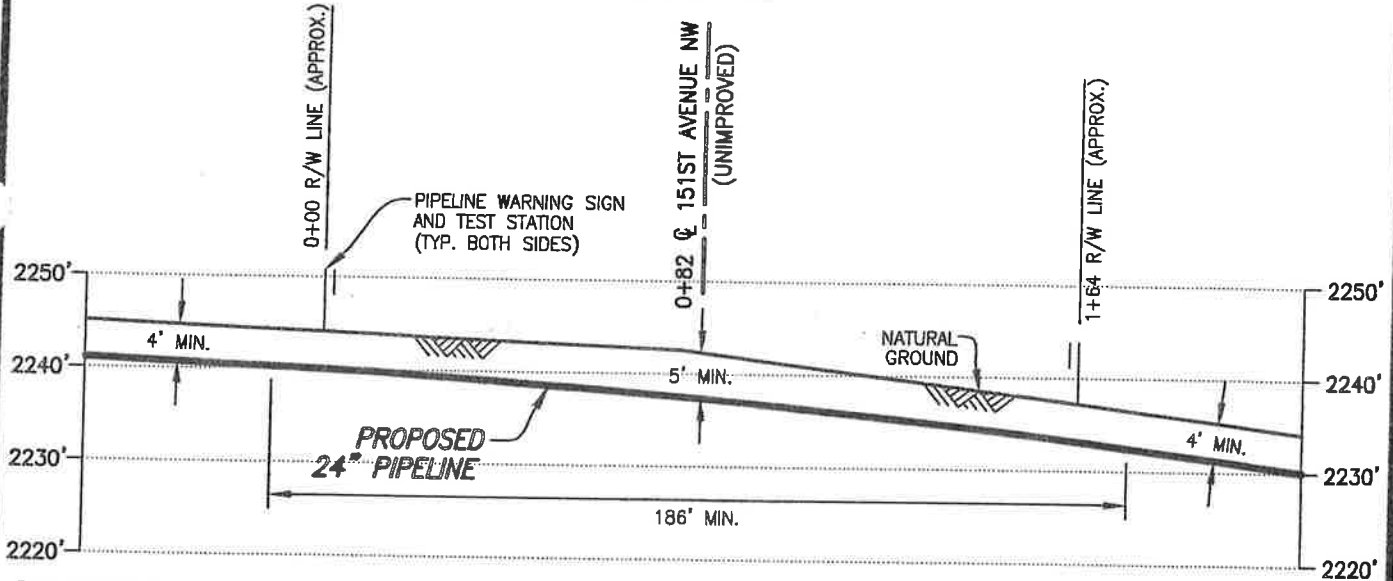
McKENZIE COUNTY, NORTH DAKOTA

SECTIONS 1 & 2, TOWNSHIP 151 NORTH, RANGE 103 WEST



PLAN

SCALE: 1"=40'



PIPE SPECIFICATIONS

PIPE 24" O.D. x 0.500" W.T.
 API 5LX-70 ERW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=40' HORIZ.
 1"=20' VERT.

① X=1929900.86
 Y=17416224.93

DATUM:

ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 13
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET

T.B.M.: 151ST AVENUE NW (UNIMPROVED)
 AT STA. 0+78, ELEV. 2242.55'

REV.	DATE	BY	DESCRIPTION	RC	CHK.
A	03/02/15	PRV	ISSUED FOR USE/PERMIT		

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.

NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

**PROPOSED 24" DAPL PIPELINE CROSSING
 151ST AVENUE NW (UNIMPROVED)**

McKENZIE COUNTY

NORTH DAKOTA

DRAWN BY: PRV

DATE: 02/16/15

DWG. NO.

REV.

CHECKED BY: RC

DATE: 03/02/15

SCALE: AS SHOWN

APP.:

ND-MC-015.910

A

-015.910.dwg PLOT DATE: 3/2/2015 BY: VILLARREAL, PHIL

s:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MCKENZIE COUNTY\103957-PB-

FILE: R:\

PERMIT TO CONSTRUCT AN APPROACH TO A COUNTY MAINTAINED ROAD

Revised Application Effective May 12, 2014

Dalcoata Access, LLC of 1300 main street, Houston, Tx 77002
 Approach Owner Address, City, State & Zip

	Road where approach will be located	Section	Township (N)	Range (W)	Approach Type	If Multifamily, how many units? OR How many trucks per day?	For Official Use Only (Fee)
Approach 1	CR#16	1	151	103	Permanent to value site		500 ⁰⁰
Approach 2	CR#16	12	151	103	Temporary pipeline construction		100 ⁰⁰
Total Fee:							600 ⁰⁰

APPROACH USE

Farm / Field Access (FF)

Limited use. Access to farm land or a field.

Residential- Single Family (SF)

Moderate use. Access to a single family home or farm.

Residential- Multi Family (MF)

High use. Access to multiple homes, farms, temporary housing including work camps.

Commercial (CM)

High truck use. Access to a commercial/industrial installation.

Oil Pad (OP)

Moderate truck use. Access to an Oil Pad.

Permanent to value site
 Temporary for pipeline construction

Site Name: _____

Email Address: _____

Claire Cunningham
 Printed Name of Authorized Agent of the Contractor or Approach Owner

802.989.2489
 Telephone Number

PERMIT APPROVED

APR 20 2016

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

Claire Cunningham
 Approach Owner or Agent Name for Approach Owner

802.989.2489
 Telephone Number

1100 Weiss Avenue
 Address

Bismarck, ND 58503
 Address
 City, State & Zip Code

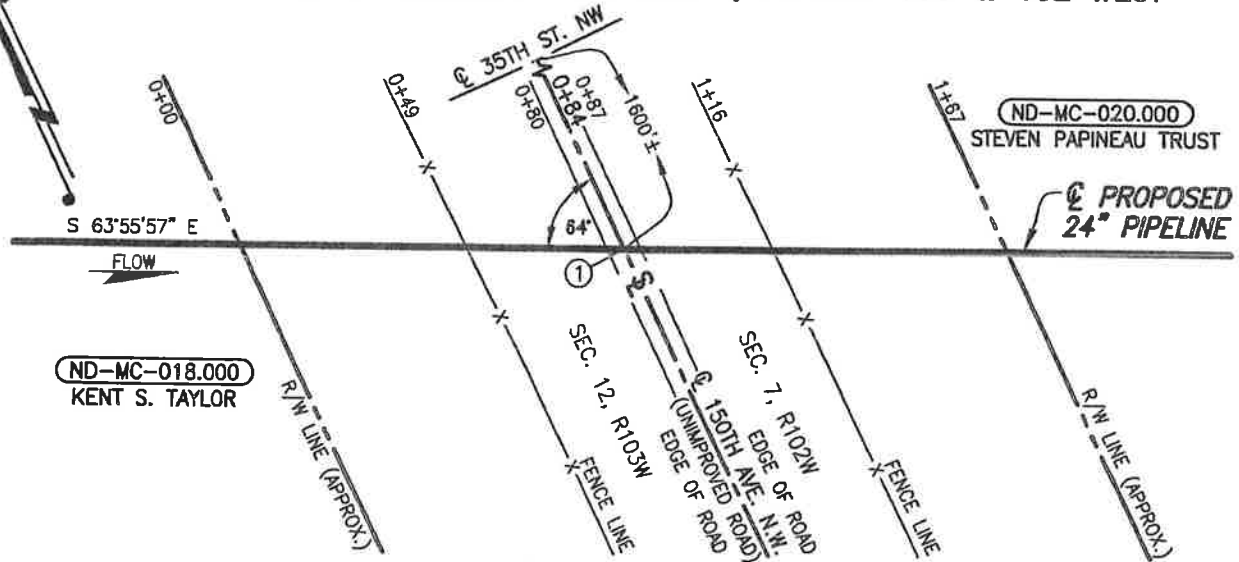


The Contractor must comply with all terms and conditions stated herein, especially the minimum engineering standards. Failure to comply with this CONDITIONAL CONSENT shall cause the consent to be rescinded and the Contractor must remove the approach from the right-of-way immediately or be responsible for the costs incurred by the County in removing the same. The County specifically reserves the right to remove the approach from right-of-way for non-compliance and reimbursement will be made to the County by the Contractor for doing the same.

ND-MC-018900
 CR #16

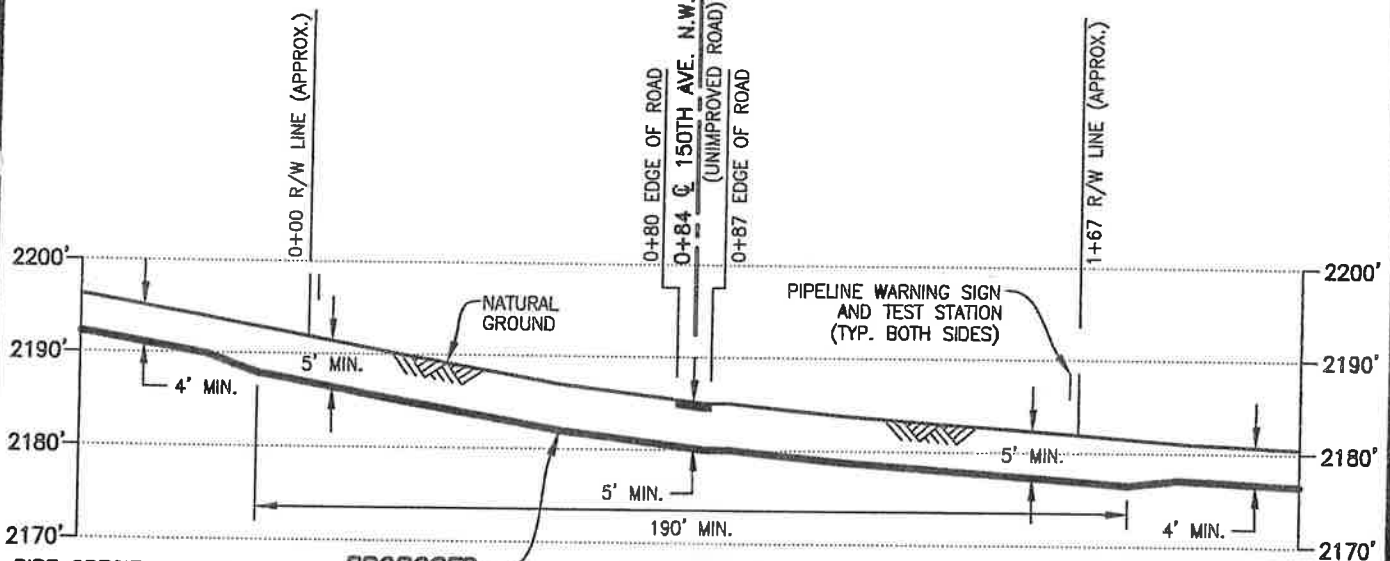
McKENZIE COUNTY, NORTH DAKOTA

SECTIONS 12 & 7, TOWNSHIP 151 NORTH, RANGES 103 & 102 WEST



PLAN ND-MC-019.910

SCALE: 1"=40'



PROPOSED 24" PIPELINE

PIPE SPECIFICATIONS
 PIPE 24" O.D. x 0.500" W.T.
 API 5LX-70 ERW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=40' HORIZ.
 1"=20' VERT.

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
 T.B.M.: \odot 150TH AVENUE NW (UNIMPROVED) AT STA. 0+84, ELEV. 2185.16'

① X=1935240.70
 Y=17413561.00

REV.	DATE	BY	DESCRIPTION	CHK.
C	08/31/15	PRV	ISSUED FOR USE/PERMIT	RC
B	03/02/15	MS	ISSUED FOR USE/PERMIT	RC
A	12/22/14	JMH	ISSUED FOR REVIEW	



DAKOTA ACCESS, LLC

PROPOSED 24" DAPL PIPELINE CROSSING 150TH AVENUE NW (UNIMPROVED)

McKENZIE COUNTY		NORTH DAKOTA	
DRAWN BY: OP	DATE: 12/03/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-MC-019.910	C
SCALE: AS SHOWN	APP.:		



WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

PROJECT NO. 10395700

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MCKENZIE COUNTY\103957-PB-1
 -019.910.dwg PLOT DATE: 9/1/2015 BY: VILLARREAL, PHIL

PERMIT TO CONSTRUCT AN APPROACH TO A COUNTY MAINTAINED ROAD

Revised Application Effective May 12, 2014

Dalcoata Access, LLC of 1300 main street, Houston, TX 77002
Approach Owner Address, City, State & Zip

Table with 8 columns: Road where approach will be located, Section, Township (N), Range (W), Approach Type, If Multifamily, how many units? OR How many trucks per day?, For Official Use Only (Fee). Includes rows for Approach 1 and Approach 2, and a Total Fee row.

APPROACH USE

Farm / Field Access (FF)

Limited use. Access to farm land or a field.

Residential- Single Family (SF)

Moderate use. Access to a single family home or farm.

Residential-Multi Family (MF)

High use. Access to multiple homes, farms, temporary housing including work camps.

Commercial (CM)

High truck use. Access to a commercial/industrial installation.

Temporary Pipeline Construction

Oil Pad (OP)

Moderate truck use. Access to an Oil Pad.

Site Name: _____

Email Address: _____

CLAIRE CUNNINGHAM
Printed Name of Authorized Agent of the Contractor or Approach Owner

802.989.2489
Telephone Number

PERMIT APPROVED

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

Claire Cunningham
Approach Owner or Agent Name for Approach Owner

802.989.2489
Telephone Number

APR 08 2016

1100 Weiss Avenue
Address

Bismarck, ND 58503
Address City, State & Zip Code



The Contractor must comply with all terms and conditions stated herein, especially the minimum engineering standards. Failure to comply with this CONDITIONAL CONSENT shall cause the consent to be rescinded and the Contractor must remove the approach from the right-of-way immediately or be responsible for the costs incurred by the County in removing the same. The County specifically reserves the right to remove the approach from right-of-way for non-compliance and reimbursement will be made to the County by the Contractor for doing the same.

ND-MC-022.900
149 ave NW

Terms and Conditions

Approach Specs

- Top width: 24' minimum- 40' maximum
- 8:1 Minimum Inslopes Required
- Black Dirt & Seeding* Required
- Signs (if required)
- Culvert (if required)
- Applicant responsibility to conduct hydrology study to determine culvert size
- Runoff Area (if required)

*County Approved Grass Seed Mix- Check with owner before using

Seed Mixture	Per Live Seed
Grass Species	lb/acre
Fairway Crested Wheat Grass	6
Slender Wheat Grass"	4
Russian Wild Rye	2
Oats	15
46-0-0 Fertilizer	20

" Pubescent Wheat Grass may be substituted

Approach Location Rules

- Approaches must be staked prior to review. Any approach without a stake will be assessed a fee of \$200. No exceptions.
- Any unauthorized approaches will be assessed a fine of \$5,000
 - No building of approaches prior to approval
 - No use of existing change of use approach without approval
- Approaches must be a minimum of 500 ft. apart from each other
- Approaches must be a minimum of 500 ft. away from the junction of county roads and state highways.
- No more than 4 approaches per mile, per side of the road
- The county recommends culverts at a minimum size of 18 inch; however a hydrology study will have to be conducted by the applicant to determine the proper size for 25 year flood event. The county is not responsible for improper culvert installation.
- Applications must include map/plat to proposed location. Any application that does not have maps/plats of location will not be reviewed.
- Construction of approach must happen within 90 days or applicant must reapply.

Consent to construct an approach to a county maintained road is granted on these terms and conditions:

- The Contractor must pay for all damage to the existing road caused by his activities.
- The Contractor is responsible for any and all claims of damage, personal injury, or bodily injury that might result from their activities in McKenzie County. Furthermore, the Contractor agrees to indemnify and hold harmless McKenzie County for any and all claims of damage, either personal injury or property or any type of claim for damages of any nature whatsoever, whether valid or invalid, that is made against McKenzie County on account of the activities conducted by the Contractor.
- The minimum road top width shall be 24 feet with adequate surfacing applies.
- If required, a culvert sized adequately for a 25 year flood event shall be installed.
- A clear sight stopping distance for the posted speed limit shall be used as a minimum clear sight distance.
- If the approach will be used by the general public (as a section line road) a run off on the opposite side will be required. Signing will be required as shown in the current version of the "Manual of Uniform Traffic Control Devices". The installation and maintenance of the signs are the responsibility of the Contractor.
- Any intersection that may constitute a hazard shall require dangerous intersection or other warning signs. These signs may be required after the construction of the approach if it proves to be a hazard to the public.
- The approach shall be constructed with good workmanship so as to leave a neat appearing project.
- Once completed the entire disturbed area with the exception of the road top shall be covered with black dirt and seeded with an approved seed mix.
- Any disturbed area within the right-of-way shall be rehabilitated and seeded using a approved seed mix.
- Maps and construction plans shall be included with this application.
- Submit application once approach has been staked

AUTHORIZED AGENT OF THE CONTRACTOR

I, the undersigned, being an authorized agent of the Contractor described in the above, do hereby agree on behalf of the Contractor that all terms and conditions listed will be complied with, and any assignment of the approach described above shall include and assignment of this liability to comply with the terms and conditions as stated herein.

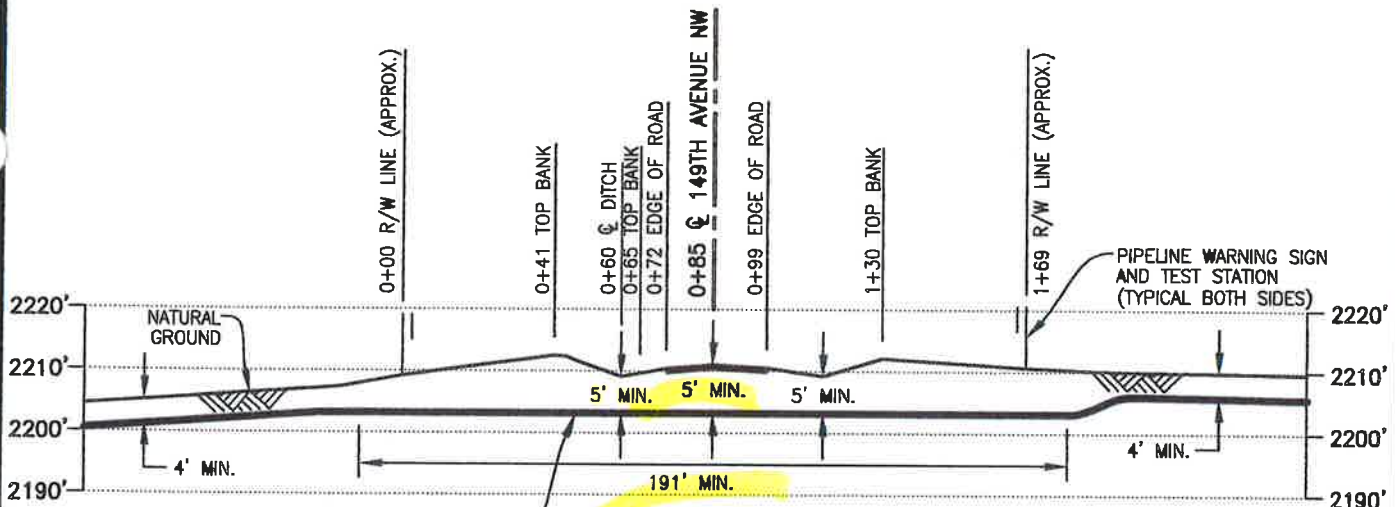
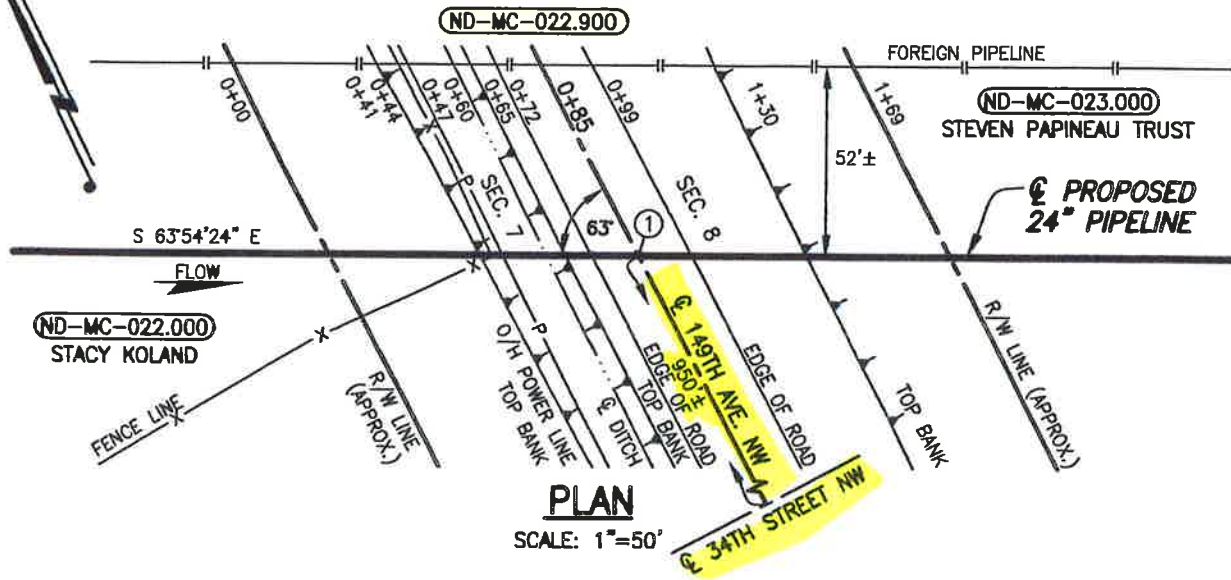
Claire Cunningham
Signature of Authorized Agent of the Contractor or Approach Owner

2/1/16
Date

ND-MC-022900
149 Ave NW

McKENZIE COUNTY, NORTH DAKOTA

SECTIONS 7 & 8, TOWNSHIP 151 NORTH, RANGE 102 WEST



PIPE SPECIFICATIONS
 PIPE 20" O.D. x 0.438" W.T.
 API 5LX-70 ERW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROPOSED 24" PIPELINE

PROFILE
 SCALE: 1"=50' HORIZ.
 1"=30' VERT.

① X=1940383.40
 Y=17411015.23

DATE:
 ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
 T.B.M.: \odot 149TH AVENUE NW AT STA. 0+85, ELEV. 2210.99'

REV.	DATE	BY	DESCRIPTION	CHK.
C	08/31/15	PRV	ISSUED FOR USE/PERMIT	RC
B	03/02/15	MS	ISSUED FOR USE/PERMIT	RC
A	12/22/14	OP	ISSUED FOR USE/PERMIT	



PROPOSED 24" DAPL PIPELINE

149TH AVENUE NW

PROJECT NO. **10395700**

McKENZIE COUNTY NORTH DAKOTA



WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

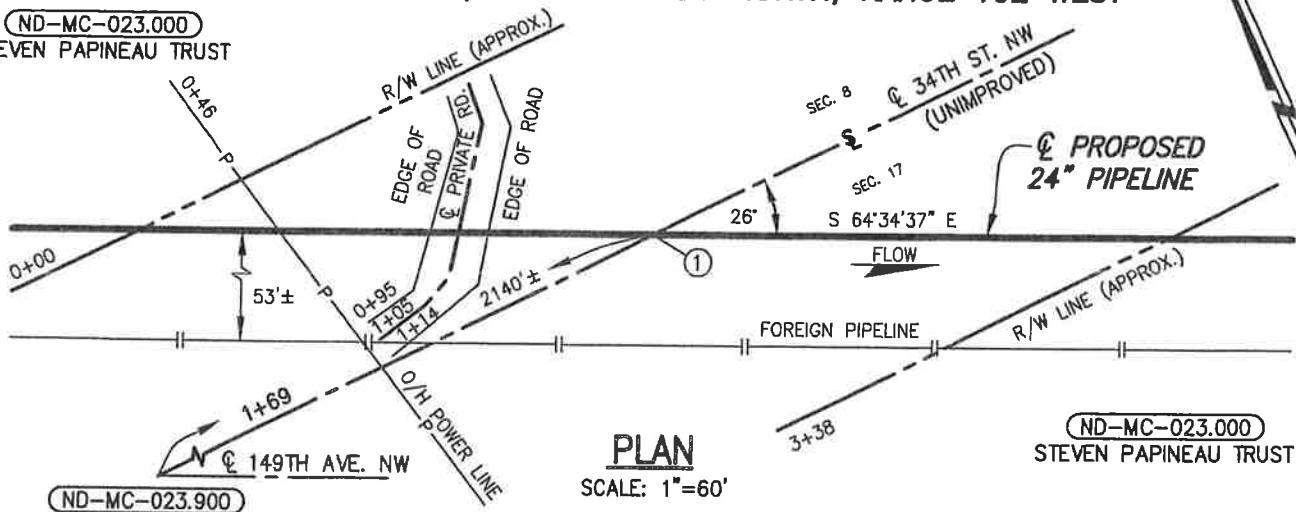
DRAWN BY: OP	DATE: 12/02/14	DWG. NO.	REV.
CHECKED BY:	DATE:	ND-MC-022.900	C
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MCKENZIE COUNTY\103957-P8-022.900.dwg PLOT DATE: 9/1/2015 BY: VILLARREAL, PHIL

McKENZIE COUNTY, NORTH DAKOTA

SECTIONS 8 & 17, TOWNSHIP 151 NORTH, RANGE 102 WEST

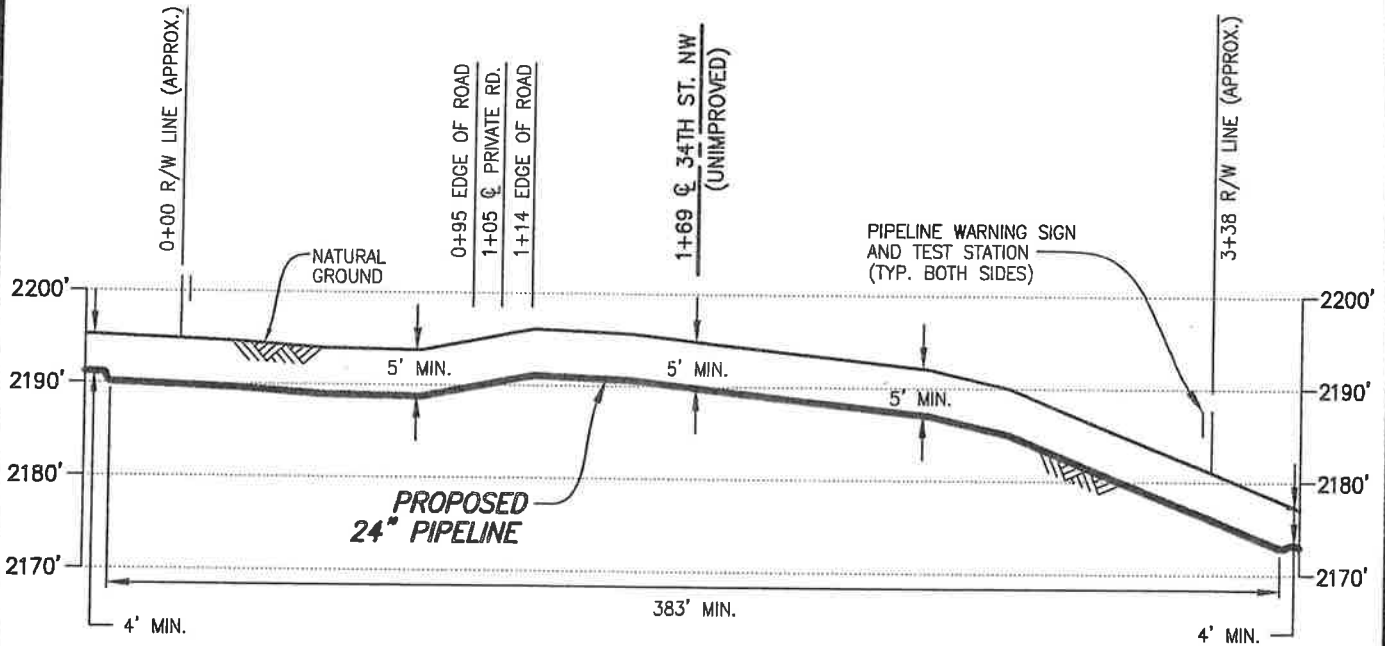
ND-MC-023.000
STEVEN PAPINEAU TRUST



PLAN

SCALE: 1"=60'

ND-MC-023.000
STEVEN PAPINEAU TRUST



PROFILE

SCALE: 1"=60' HORIZ.
1"=20' VERT.

① X=1942543.20
Y=17410101.98

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: \odot 34TH STREET NW (UNIMPROVED) AT STA. 1+69, ELEV. 2195.40'

PIPE SPECIFICATIONS

PIPE 24" O.D. x 0.500" W.T.
API 5LX-70 ERW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
C	10/15/15	OP	ISSUED FOR USE/PERMIT	RC
B	07/01/15	JWH	ISSUED FOR USE/PERMIT	EDF
A	12/22/14	JTM	ISSUED FOR REVIEW	RC

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DAKOTA ACCESS, LLC

**PROPOSED 24" DAPL PIPELINE CROSSING
34TH STREET NW (UNIMPROVED)**

McKENZIE COUNTY NORTH DAKOTA

DRAWN BY: OP	DATE: 12/03/14	DWG. NO.	REV.
CHECKED BY:	DATE: RC	ND-MC-023.900	C
SCALE: 03/02/15	APP.: RC		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MCKENZIE COUNTY\103957-P8-3-023.900.dwg PLOT DATE: 10/22/2015 BY: GARCIA, REFUGIO

PERMIT TO CONSTRUCT AN APPROACH TO A COUNTY MAINTAINED ROAD

Revised Application Effective May 12, 2014

Dalcota Access, LLC of 1300 Main Street, Houston, TX 77002
Approach Owner Address, City, State & Zip

Table with 8 columns: Road where approach will be located, Section, Township (N), Range (W), Approach Type, If Multifamily, how many units? OR How many trucks per day?, For Official Use Only (Fee). Includes rows for Approach 1 and Approach 2, and a Total Fee row.

APPROACH USE

Farm / Field Access (FF)

Limited use. Access to farm land or a field.

Residential- Single Family (SF)

Moderate use. Access to a single family home or farm.

Residential- Multi Family (MF)

High use. Access to multiple homes, farms, temporary housing including work camps.

Commercial (CM)

High truck use. Access to a commercial/industrial installation.

Oil Pad (OP)

Moderate truck use. Access to an Oil Pad.

Site Name: _____

Email Address: _____

CLAIRE CUNNINGHAM

Printed Name of Authorized Agent of the Contractor or Approach Owner

802.989.2489

Telephone Number

PERMIT APPROVED

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

Claire Cunningham

Approach Owner or Agent Name for Approach Owner

802.989.2489

Telephone Number

APR 03 2016

Address

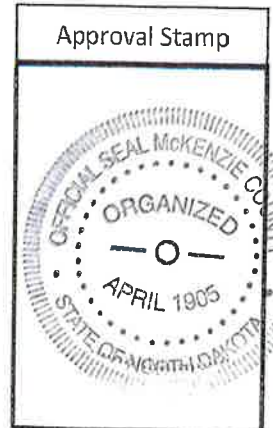
1100 Weiss Avenue

Address

Bismarck, ND 58503

City, State & Zip Code

The Contractor must comply with all terms and conditions stated herein, especially the minimum engineering standards. Failure to comply with this CONDITIONAL CONSENT shall cause the consent to be rescinded and the Contractor must remove the approach from the right-of-way immediately or be responsible for the costs incurred by the County in removing the same. The County specifically reserves the right to remove the approach from right-of-way for non-compliance and reimbursement will be made to the County by the Contractor for doing the same.



ND-MC-025-900
148 ave NW

Terms and Conditions

Approach Specs

- Top width: 24' minimum- 40' maximum
- 8:1 Minimum Inslopes Required
- Black Dirt & Seeding* Required
- Signs (if required)
- Culvert (if required)
- Applicant responsibility to conduct hydrology study to determine culvert size
- Runoff Area (if required)

*County Approved Grass Seed Mix- Check with owner before using	
Seed Mixture	Per Live Seed
<u>Grass Species</u>	lb/acre
Fairway Crested Wheat Grass	6
Slender Wheat Grass"	4
Russian Wild Rye	2
Oats	15
46-0-0 Fertilizer	20
" Pubescent Wheat Grass may be substituted	

Approach Location Rules

- Approaches must be staked prior to review. Any approach without a stake will be assessed a fee of \$200. No exceptions.
- Any unauthorized approaches will be assessed a fine of \$5,000
 - No building of approaches prior to approval
 - No use of existing change of use approach without approval
- Approaches must be a minimum of 500 ft. apart from each other
- Approaches must be a minimum of 500 ft. away from the junction of county roads and state highways.
- No more than 4 approaches per mile, per side of the road
- The county recommends culverts at a minimum size of 18 inch; however a hydrology study will have to be conducted by the applicant to determine the proper size for 25 year flood event. The county is not responsible for improper culvert installation.
- Applications must include map/plat to proposed location. Any application that does not have maps/plats of location will not be reviewed.
- Construction of approach must happen within 90 days or applicant must reapply.

Consent to construct an approach to a county maintained road is granted on these terms and conditions:

1. The Contractor must pay for all damage to the existing road caused by his activities.
2. The Contractor is responsible for any and all claims of damage, personal injury, or bodily injury that might result from their activities in McKenzie County. Furthermore, the Contractor agrees to indemnify and hold harmless McKenzie County for any and all claims of damage, either personal injury or property or any type of claim for damages of any nature whatsoever, whether valid or invalid, that is made against McKenzie County on account of the activities conducted by the Contractor.
3. The minimum road top width shall be 24 feet with adequate surfacing applies.
4. If required, a culvert sized adequately for a 25 year flood event shall be installed.
5. A clear sight stopping distance for the posted speed limit shall be used as a minimum clear sight distance.
6. If the approach will be used by the general public (as a section line road) a run off on the opposite side will be required. Signing will be required as shown in the current version of the "Manual of Uniform Traffic Control Devices". The installation and maintenance of the signs are the responsibility of the Contractor.
7. Any intersection that may constitute a hazard shall require dangerous intersection or other warning signs. These signs may be required after the construction of the approach if it proves to be a hazard to the public.
8. The approach shall be constructed with good workmanship so as to leave a neat appearing project.
9. Once completed the entire disturbed area with the exception of the road top shall be covered with black dirt and seeded with an approved seed mix.
10. Any disturbed area within the right-of-way shall be rehabilitated and seeded using a approved seed mix.
11. Maps and construction plans shall be included with this application.
12. Submit application once approach has been staked

AUTHORIZED AGENT OF THE CONTRACTOR

I, the undersigned, being an authorized agent of the Contractor described in the above, do hereby agree on behalf of the Contractor that all terms and conditions listed will be complied with, and any assignment of the approach described above shall include and assignment of this liability to comply with the terms and conditions as stated herein.

Claire Cunningham

Signature of Authorized Agent of the Contractor or Approach Owner

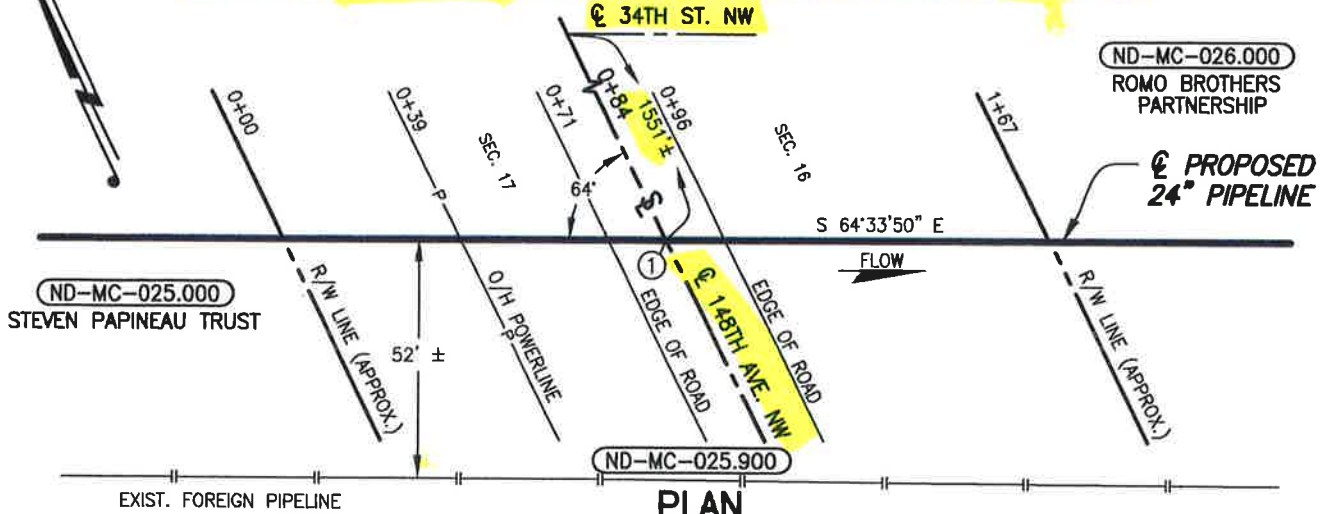
2/1/16

Date

*ND-MC-025.900
148 Ave. NW*

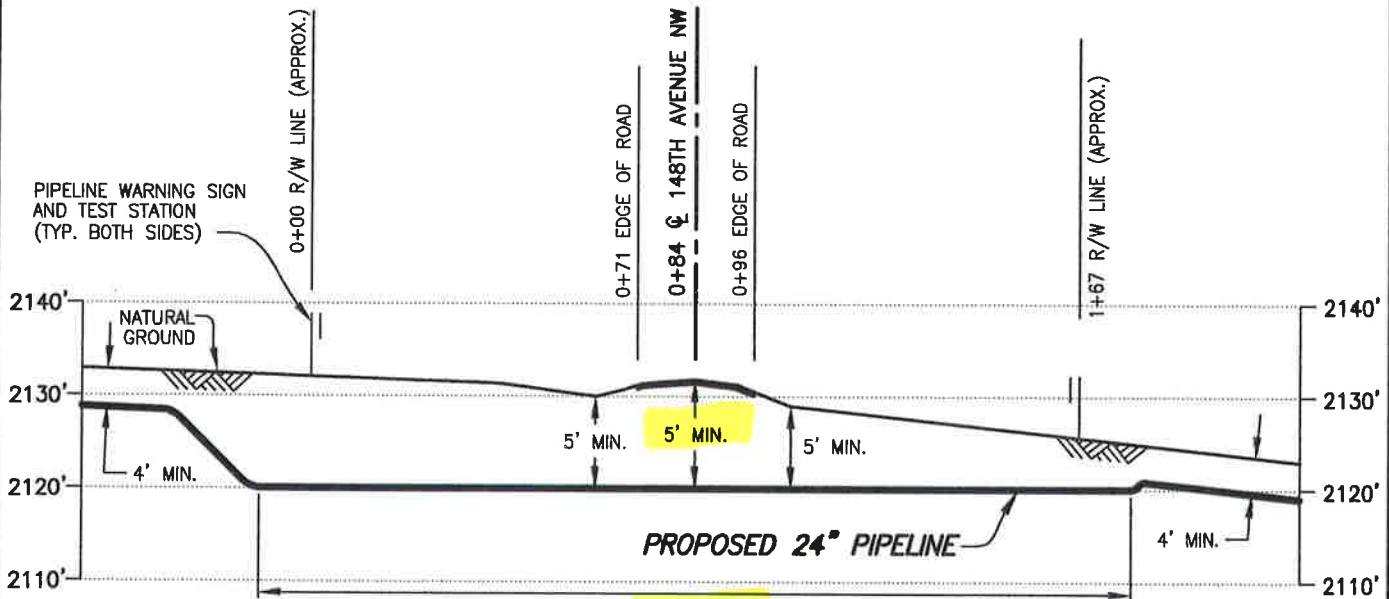
McKENZIE COUNTY, NORTH DAKOTA

SECTIONS 16 & 17, TOWNSHIP 151 NORTH, RANGE 102 WEST



PLAN

SCALE: 1"=40'



PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS

PIPE 24" O.D. x 0.500" W.T.
API 5LX-70 ERW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

① X=1945705.93
Y=17408597.88

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: @ 148TH AVENUE NW AT STA. 0+84, ELEV. 2131.78'

REV.	DATE	BY	DESCRIPTION	CHK.
B	10/24/15	JTM	ISSUED FOR USE/PERMIT	RC
A	03/02/15	MS	ISSUED FOR USE/PERMIT	RC



DAKOTA ACCESS, LLC

PROPOSED 24" DAPL PIPELINE CROSSING

148TH AVENUE NW

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

McKENZIE COUNTY		NORTH DAKOTA	
DRAWN BY: PM	DATE: 01/26/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-MC-025.900	B
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MCKENZIE COUNTY\103957-PB-C-025.900.dwg PLOT DATE: 10/26/2015 BY: MADAMBA, JOEY

MCKENZIE COUNTY APPROACH PERMIT

Permit **DA 042616CC-3**

PERMIT TO CONSTRUCT AN APPROACH TO A COUNTY MAINTAINED ROAD

Revised Application Effective May 12, 2014

Dalcoata Access, LLC of 1300 main street, Houston, Tx 77002
 Approach Owner Address, City, State & Zip

	Road where approach will be located	Section	Township (N)	Range (W)	Approach Type	If Multifamily, how many units? OR How many trucks per day?	For Official Use Only (Fee)
Approach 1	CR13	16	151	102	Temporary Pipeline		100"
Approach 2	CR13	15	151	102	Permanent Value site		500"
Total Fee:							600"

APPROACH USE

Farm / Field Access (FF)

Limited use. Access to farm land or a field.

Residential- Single Family (SF)

Moderate use. Access to a single family home or farm.

Residential- Multi Family (MF)

High use. Access to multiple homes, farms, temporary housing including work camps

Commercial (CM)

High truck use. Access to a commercial/industrial installation.

Oil Pad (OP)

Moderate truck use. Access to an Oil Pad.

Site Name: _____

Email Address: _____

CLAIRE CUNNINGHAM
 Printed Name of Authorized Agent of the Contractor or Approach Owner

802.989.2489
 Telephone Number

PERMIT APPROVED

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

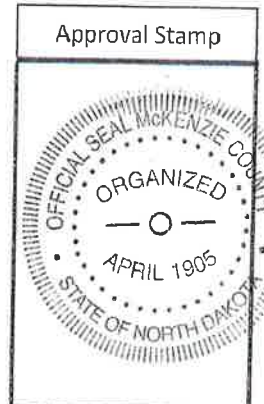
Claire Cunningham
 Approach Owner or Agent Name for Approach Owner

802.989.2489
 Telephone Number

APR 27 2015

1100 Weiss Avenue
 Address

Bismarck, ND 58503
 Address
 City, State & Zip Code



The Contractor must comply with all terms and conditions stated herein, especially the minimum engineering standards. Failure to comply with this CONDITIONAL CONSENT shall cause the consent to be rescinded and the Contractor must remove the approach from the right-of-way immediately or be responsible for the costs incurred by the County in removing the same. The County specifically reserves the right to remove the approach from right-of-way for non-compliance and reimbursement will be made to the County by the Contractor for doing the same.

ND-MC-028.900
 CR # 13

McKENZIE COUNTY CONSENT FOR UTILITY COMPANY TO CROSS A PUBLIC ROAD OR SECTION ROAD

Dakota Access, LLC
Utility Company Name

of 1300 Main Street, Houston, TX 77002
Address, City, State & Zip

Route*	Section #		Township (N)		Range (W)		<small>For Official Use Only</small>		
	From	To	From	To	From	To	Type of Crossing	Fee	
33 St. NW	15	22	151	151	102	102	Section	25 ⁰⁰	
Section	---	---	----	----	----	----			
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								Total Fee:	25 ⁰⁰

*Enter the County Route # or Street Name. If it is simply a section line crossing, enter "Section Line"

AUTHORIZED AGENT OF THE UTILITY COMPANY

I, the undersigned, being an authorized agent of the Utility Company described in the above, do hereby agree on behalf of the Utility Company that all **terms and conditions listed on the reverse** will be complied with, and any assignment of this buried transmission facility described above shall include and assignment of this liability to comply with the terms and conditions as stated herein


Signature of Authorized Agent of Utility Company

1/27/16
Date

Robert Rose
Printed Name of Authorized Agent of Utility Company

Telephone Number

If you require additional pages for your request, indicate your total number of pages.
Page _____ of Total # Pages _____ of _____

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

Claire Cunningham
Company Name or Agent Name

802.989.2489
Telephone Number

1100 Weiss Avenue
Address

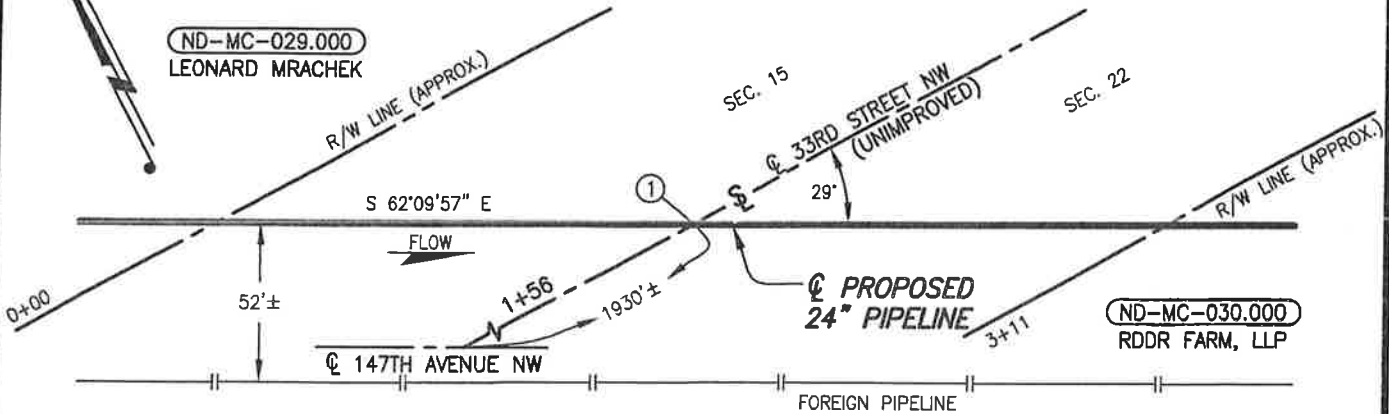
Bismarck, ND 58503
Address
City, State & Zip Code

Approval Stamp

ND-MC-029.900
33 St. NW

McKENZIE COUNTY, NORTH DAKOTA

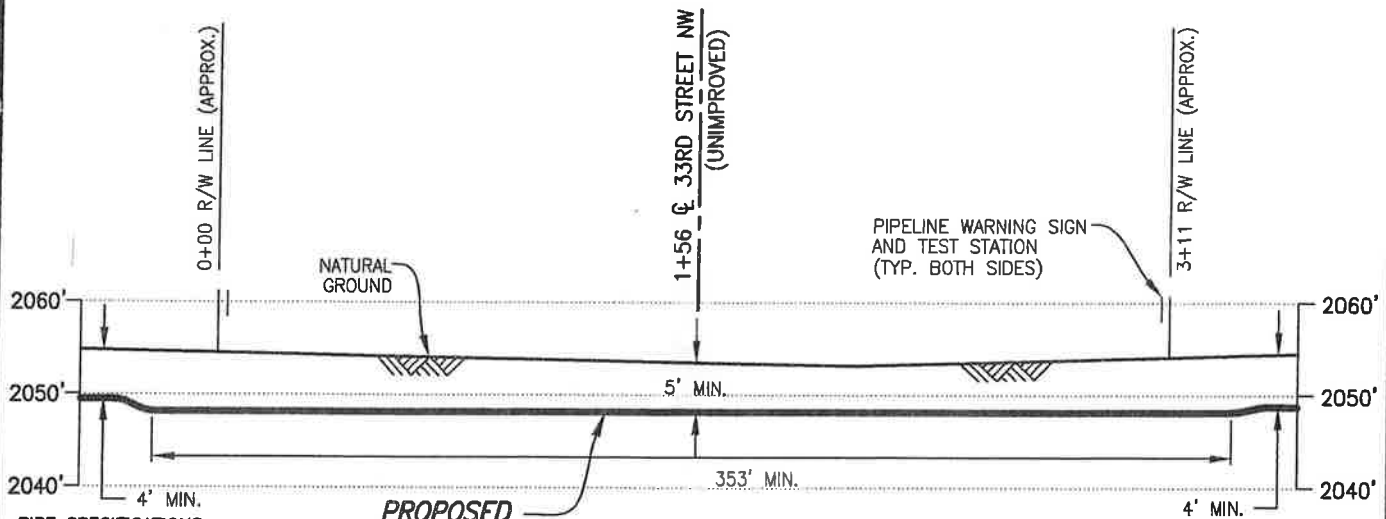
SECTIONS 15 & 22, TOWNSHIP 151 NORTH, RANGE 102 WEST



ND-MC-029.900

PLAN

SCALE: 1"=20'



PIPE SPECIFICATIONS

PIPE 24" O.D. x 0.500" W.T.
 API 5LX-70 ERW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROPOSED 24" PIPELINE

PROFILE

SCALE: 1"=60' HORIZ.
 1"=20' VERT.

① X=1952956.36
 Y=17404998.99

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: \odot 33RD STREET NW (UNIMPROVED) AT STA. 1+56, ELEV. 2053.48'

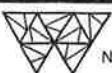
REV.	DATE	BY	DESCRIPTION	CHK.
C	12/31/15	OP	ISSUED FOR USE/PERMIT	RG
B	12/21/15	PRV	ISSUED FOR USE/PERMIT	PN
A	04/22/15	PRV	ISSUED FOR USE/PERMIT	PN



DAKOTA ACCESS, LLC

PROPOSED 24" DAPL PIPELINE CROSSING 33RD STREET NW (UNIMPROVED)

McKENZIE COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 04/06/15	DWG. NO.	REV.
CHECKED BY: PN	DATE: 04/15/15	ND-MC-029.900	C
SCALE: AS SHOWN	APP.:		



WOOD GROUP MUSTANG, INC.

NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

PROJECT NO. 10395700

9.900.dwg PLOT DATE: 12/31/2015 BY: PALACIOS, OSCAR

FILE: R:\Proj\33957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MCKENZIE COUNTY\103957-P8-ND-

**McKENZIE COUNTY CONSENT FOR UTILITY COMPANY TO
CROSS A PUBLIC ROAD OR SECTION ROAD**

Permit #: _____

Dakota Access, LLC
Utility Company Name

of 1300 Main Street, Houston, TX 77002
Address, City, State & Zip

Route*	Section #		Township (N)		Range (W)		For Official Use Only		
	From	To	From	To	From	To	Type of Crossing	Fee	
<u>146 Ave NW</u>	<u>22</u>	<u>23</u>	<u>151</u>	<u>151</u>	<u>102</u>	<u>102</u>	Section	<u>25⁰⁰</u>	
<u>Section</u>	---	---	---	---	---	---			
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*Enter the County Route # or Street Name. If it is simply a section line crossing, enter "Section Line"								Total Fee:	<u>25⁰⁰</u>

AUTHORIZED AGENT OF THE UTILITY COMPANY

I, the undersigned, being an authorized agent of the Utility Company described in the above, do hereby agree on behalf of the Utility Company that all **terms and conditions listed on the reverse** will be complied with, and any assignment of this buried transmission facility described above shall include and assignment of this liability to comply with the terms and conditions as stated herein.

[Signature]
Signature of Authorized Agent of Utility Company

Robert Rose
Printed Name of Authorized Agent of Utility Company

1/27/16
Date

If you require additional pages for your request, indicate your total number of pages.
Page of Total # Pages of

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

Claire Cunningham
Company Name or Agent Name

802.989.2489
Telephone Number

1100 Weiss Avenue
Address

Bismarck, ND 58503
City, State & Zip Code

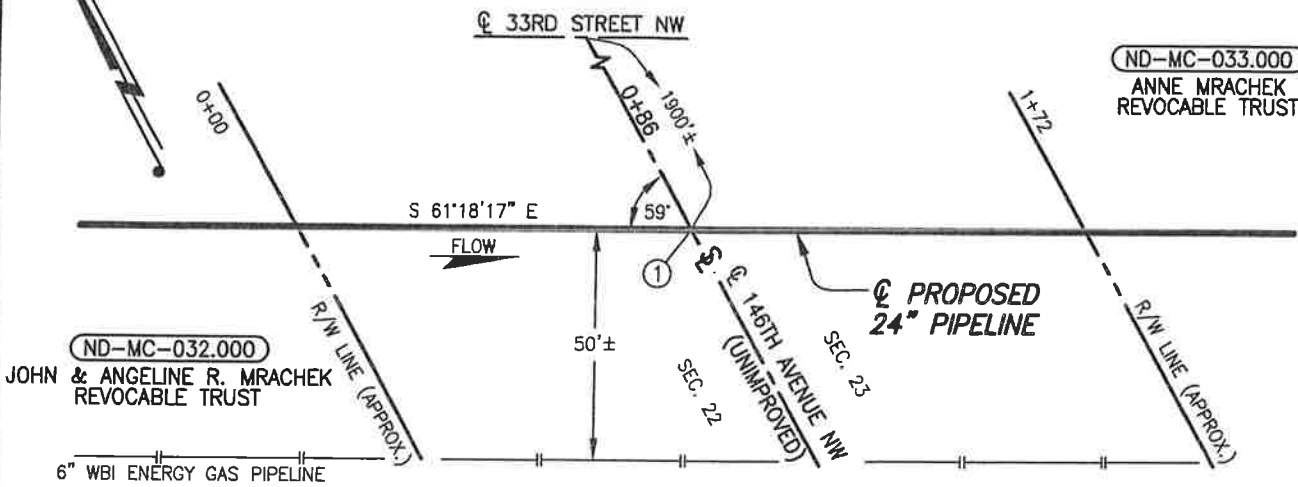
Approval Stamp

ND-MC-032.920
146 Ave NW

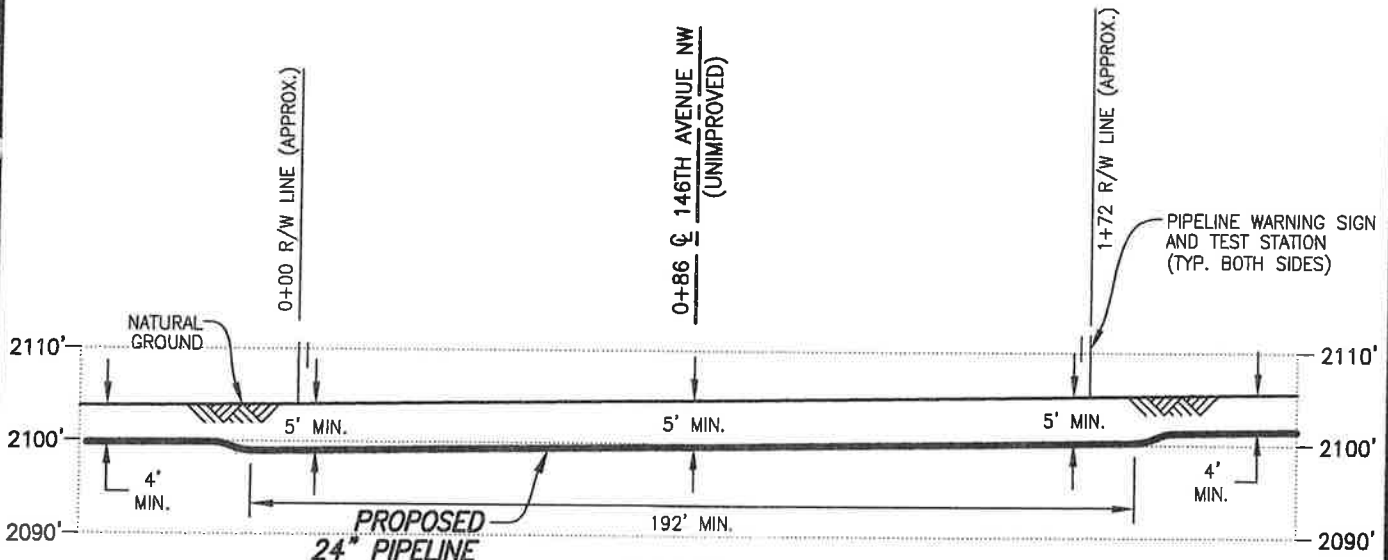
McKENZIE COUNTY, NORTH DAKOTA

SECTIONS 22 & 23, TOWNSHIP 151 NORTH, RANGE 102 WEST

ND-MC-033.000
ANNE MRACHEK
REVOCABLE TRUST



PLAN
SCALE: 1"=40'



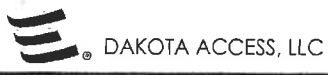
PROFILE
SCALE: 1"=40' HORIZ.
1"=20' VERT.

① X=1956346.34
Y=17403150.77

DATUM:
ALL ELEVATIONS DERIVED FROM GPS
OBSERVATIONS (GEOID 2012, NAVD 88)
BEARINGS BASED ON UTM ZONE 13
NORTH AMERICAN DATUM 1983.
U.S. SURVEY FEET
T.B.M.: \odot 146TH AVENUE NW (UNIMPROVED)
AT STA. 0+86, ELEV. 2105.00'

PIPE SPECIFICATIONS
PIPE 24" O.D. x 0.500" W.T.
API 5LX-70 ERW
COATING: 14-16 MILS FBE
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
B	12/21/15	OP	ISSUED FOR USE/PERMIT	RC
A	10/23/15	PRV	ISSUED FOR USE/PERMIT	RC



**PROPOSED 24" DAPL PIPELINE CROSSING
146TH AVENUE NW (UNIMPROVED)**

McKENZIE COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 04/29/15	DWG. NO.	REV.
CHECKED BY:	DATE:	ND-MC-032.920	B
SCALE: AS SHOWN	APP.:		

WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

FILE: R:\Proj\3957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MCKENZIE COUNTY\103957-P8-ND-A
 .920.dwg PLOT DATE: 12/21/2015 BY: PALACIOS, OSCAR

PERMIT TO CONSTRUCT AN APPROACH TO A COUNTY MAINTAINED ROAD

Revised Application Effective May 12, 2014

Dalcota Access, LLC of 1300 Main Street, Houston, TX 77002
 Approach Owner Address, City, State & Zip

	Road where approach will be located	Section	Township (N)	Range (W)	Approach Type	If Multifamily, how many units? OR How many trucks per day?	For Official Use Only (Fee)
Approach 1	145 AVE NW	23	151	102	Temporary		100 ⁰⁰
Approach 2	145 AVE NW	24	151	102	Temporary		100 ⁰⁰
Total Fee:							200 ⁰⁰

APPROACH USE

Farm / Field Access (FF)

Limited use. Access to farm land or a field.

Residential- Single Family (SF)

Moderate use. Access to a single family home or farm.

Residential- Multi Family (MF)

High use. Access to multiple homes, farms, temporary housing including work camps.

Commercial (CM)

High truck use. Access to a commercial/industrial installation.

Oil Pad (OP)

Moderate! truck use. Access to an Oil Pad.

Site Name: _____

Email Address: _____

CLAUDE CUNNINGHAM

Printed Name of Authorized Agent of the Contractor or Approach Owner

802-989-2489

Telephone Number

PERMIT APPROVED

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

CLAUDE CUNNINGHAM

Approach Owner or Agent Name for Approach Owner

802-989-2489

Telephone Number

APR 08 2016

1100 Weiss Avenue
Address

Bismarck, ND 58503
Address
City, State & Zip Code



The Contractor must comply with all terms and conditions stated herein, especially the minimum engineering standards. Failure to comply with this CONDITIONAL CONSENT shall cause the consent to be rescinded and the Contractor must remove the approach from the right-of-way immediately or be responsible for the costs incurred by the County in removing the same. The County specifically reserves the right to remove the approach from right-of-way for non-compliance and reimbursement will be made to the County by the Contractor for doing the same.

ND-MC-036-900
145 AVE NW

Terms and Conditions

Approach Specs

- Top width: 24' minimum- 40' maximum
- 8:1 Minimum Inslopes Required
- Black Dirt & Seeding* Required
- Signs (if required)
- Culvert (if required)
- Applicant responsibility to conduct hydrology study to determine culvert size
- Runoff Area (if required)

*County Approved Grass Seed Mix- Check with owner before using

Seed Mixture	Per Live Seed
Grass Species	lb/acre
Fairway Crested Wheat Grass	6
Slender Wheat Grass"	4
Russian Wild Rye	2
Oats	15
46-0-0 Fertilizer	20

" Pubescent Wheat Grass may be substituted

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- Approaches must be staked prior to review. Any approach without a stake will be assessed a fee of \$200. No exceptions.
- Any unauthorized approaches will be assessed a fine of \$5,000
 - No building of approaches prior to approval
 - No use of existing change of use approach without approval
- Approaches must be a minimum of 500 ft. apart from each other
- Approaches must be a minimum of 500 ft. away from the junction of county roads and state highways.
- No more than 4 approaches per mile, per side of the road
- The county recommends culverts at a minimum size of 18 inch; however a hydrology study will have to be conducted by the applicant to determine the proper size for 25 year flood event. The county is not responsible for improper culvert installation.
- Applications must include map/plot to proposed location. Any application that does not have maps/plats of location will not be reviewed.
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Consent to construct an approach to a county maintained road is granted on these terms and conditions:

1. The Contractor must pay for all damage to the existing road caused by his activities.
2. The Contractor is responsible for any and all claims of damage, personal injury, or bodily injury that might result from their activities in McKenzie County. Furthermore, the Contractor agrees to indemnify and hold harmless McKenzie County for any and all claims of damage, either personal injury or property or any type of claim for damages of any nature whatsoever, whether valid or invalid, that is made against McKenzie County on account of the activities conducted by the Contractor.
3. The minimum road top width shall be 24 feet with adequate surfacing applies.
4. If required, a culvert sized adequately for a 25 year flood event shall be installed.
5. A clear sight stopping distance for the posted speed limit shall be used as a minimum clear sight distance.
6. If the approach will be used by the general public (as a section line road) a run off on the opposite side will be required. Signing will be required as shown in the current version of the "Manual of Uniform Traffic Control Devices". The installation and maintenance of the signs are the responsibility of the Contractor.
7. Any intersection that may constitute a hazard shall require dangerous intersection or other warning signs. These signs may be required after the construction of the approach if it proves to be a hazard to the public.
8. The approach shall be constructed with good workmanship so as to leave a neat appearing project.
9. Once completed the entire disturbed area with the exception of the road top shall be covered with black dirt and seeded with an approved seed mix.
10. Any disturbed area within the right-of-way shall be rehabilitated and seeded using a approved seed mix.
11. Maps and construction plans shall be included with this application.
12. Submit application once approach has been staked

AUTHORIZED AGENT OF THE CONTRACTOR

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Clare Cunningham

Signature of Authorized Agent of the Contractor or Approach Owner

2/1/16
Date

ND-MC-036.900
145 AVE NW

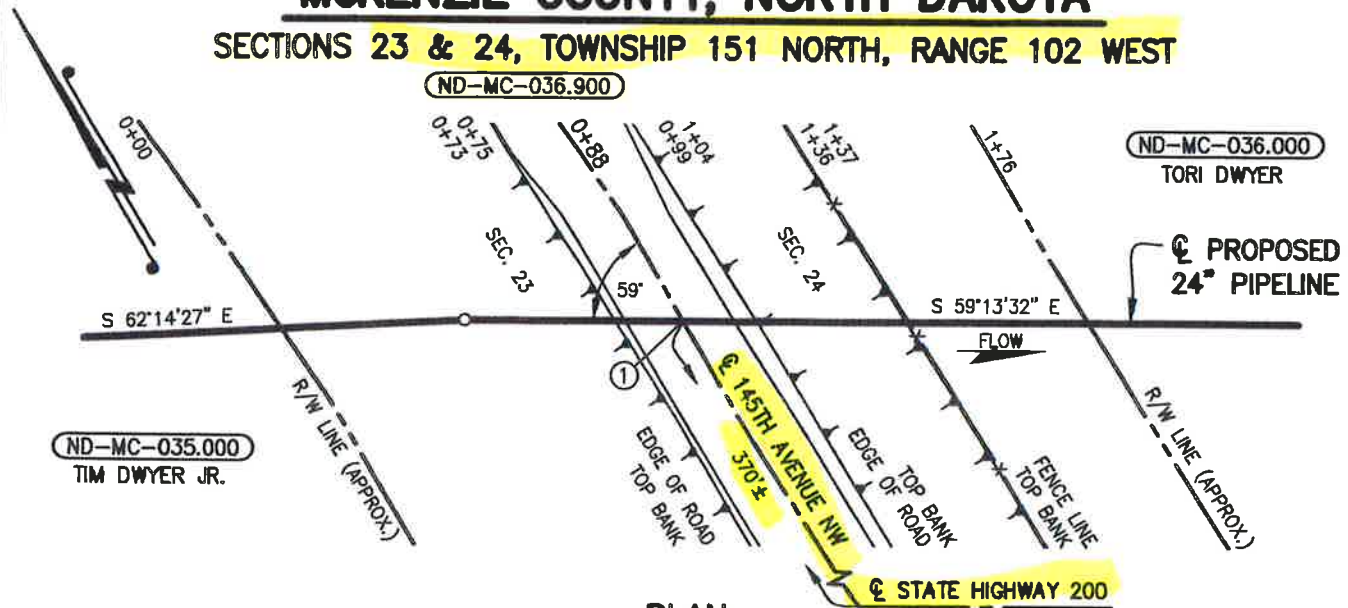
MCKENZIE COUNTY, NORTH DAKOTA

SECTIONS 23 & 24, TOWNSHIP 151 NORTH, RANGE 102 WEST

ND-MC-036.900

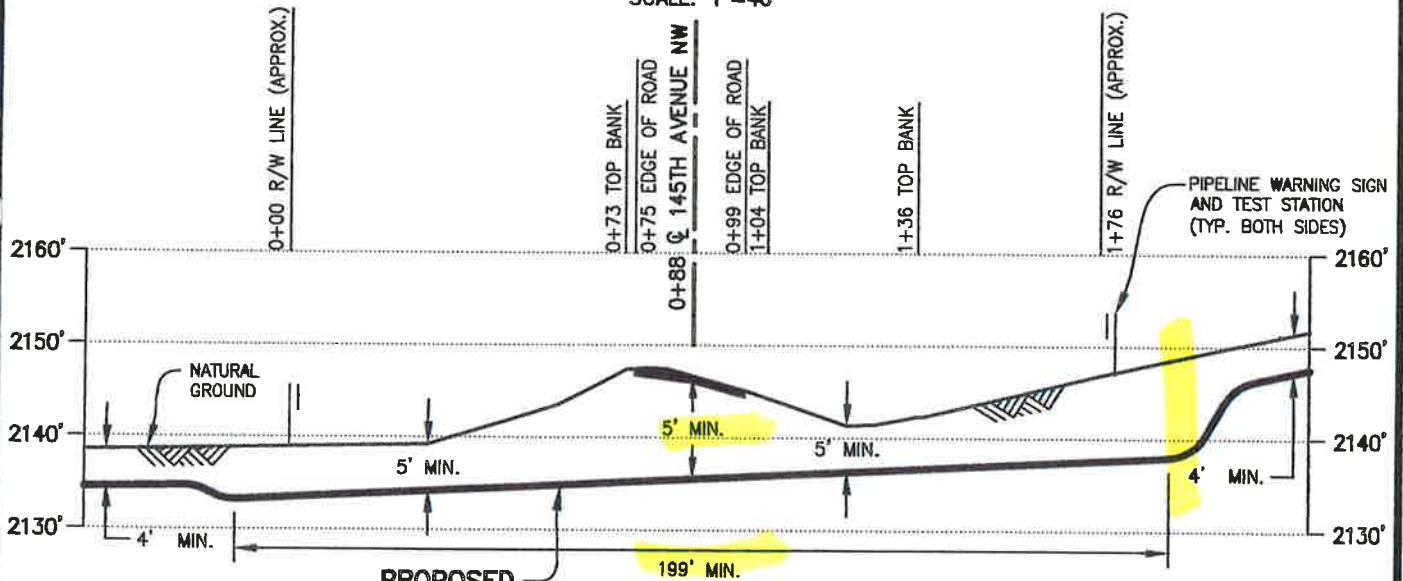
ND-MC-036.000
TORI DWYER

ND-MC-035.000
TIM DWYER JR.



PLAN

SCALE: 1"=40'



PROPOSED 24" PIPELINE

PIPE SPECIFICATIONS

PIPE 24" O.D. x 0.500" W.T.
API 5LX-70 ERW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

① X=1961679.10
Y=17400249.73

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: 145TH AVENUE NW AT STA. 0+88, ELEV. 2146.63'

REV.	DATE	BY	DESCRIPTION	CHK.
B	08/31/15	PRV	ISSUED FOR USE/PERMIT	RC
A	03/02/15	MS	ISSUED FOR USE/PERMIT	RC



DAKOTA ACCESS, LLC

PROPOSED 24" DAPL PIPELINE CROSSING 145TH AVENUE NW

PROJECT NO. 10395700

MCKENZIE COUNTY

NORTH DAKOTA



WOOD GROUP MUSTANG, INC.

NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DRAWN BY: PM

DATE: 01/26/15

DWG. NO.

REV.

CHECKED BY: RC

DATE: 03/02/15

ND-MC-036.900

B

SCALE: AS SHOWN

APP.:

DRIVEWAY APPLICATION & PERMIT
 North Dakota Department of Transportation, Maintenance Division
 SFN 5918 (Rev. 06-2015)

Permit Number 1609

District Number C7

Applicant <u>DAKOTA ACCESS, LLC</u>		Telephone Number	
Address <u>1300 MAIN STREET</u>		City <u>Houston</u>	State <u>TX</u>
		ZIP Code <u>77002</u>	

Driveway Information on State Highway Right of Way

Number of Driveways <u>2 Temp</u>	<input type="checkbox"/> Pipeline Construction <input type="checkbox"/> Private <input type="checkbox"/> Commercial	Direction <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W side of Route <u>200</u>
--------------------------------------	--	---

Location
4310' EAST OF MP 16 ON ND 200

Town	Highway <u>ND 200</u>	Junction	Mile Marker Number <u>16.8162</u>
------	--------------------------	----------	--------------------------------------

Description of proposed work on state right of way and type of business served.
Temporary ditches on each side of ND 200 for pipeline construction

Applicant agrees that any permit issued and any entrance built or work done shall be in accordance with plans attached hereto and made a part hereof, and Permit Specifications printed on the reverse side of this sheet. If the applicant fails to construct the drive to the specified dimensions, including the proper culvert length and inslopes, the Department of Transportation, hereinafter referred to as NDDOT, will either cancel this permit and remove the drive or make the necessary corrections and the Applicant will reimburse NDDOT for such work.

These are temporary driveways that will be removed when pipeline construction is complete. Contact the District when removal is complete. No bridge structures, construct with earth only. Traffic Control is required and it must be removed during non-work hours everyday.

APPLICANT: [Signature]

NORTH DAKOTA
 DEPARTMENT OF TRANSPORTATION

Name (Type or Print) ROBERT ROSE

Name (Type or Print) JOEL M. WILT
 District Engineer (Type or Print)

X [Signature]
 Signature

X [Signature]
 Signature

Title Vice President, Land and Right of Way

Date 3/29/16

Date 1/29/16

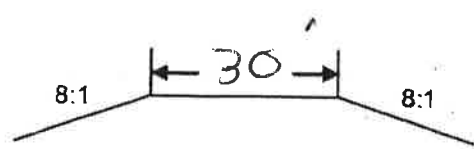
Permit granted:

Construction shall be completed by:

Date

Date 12/31/16

Sketch:

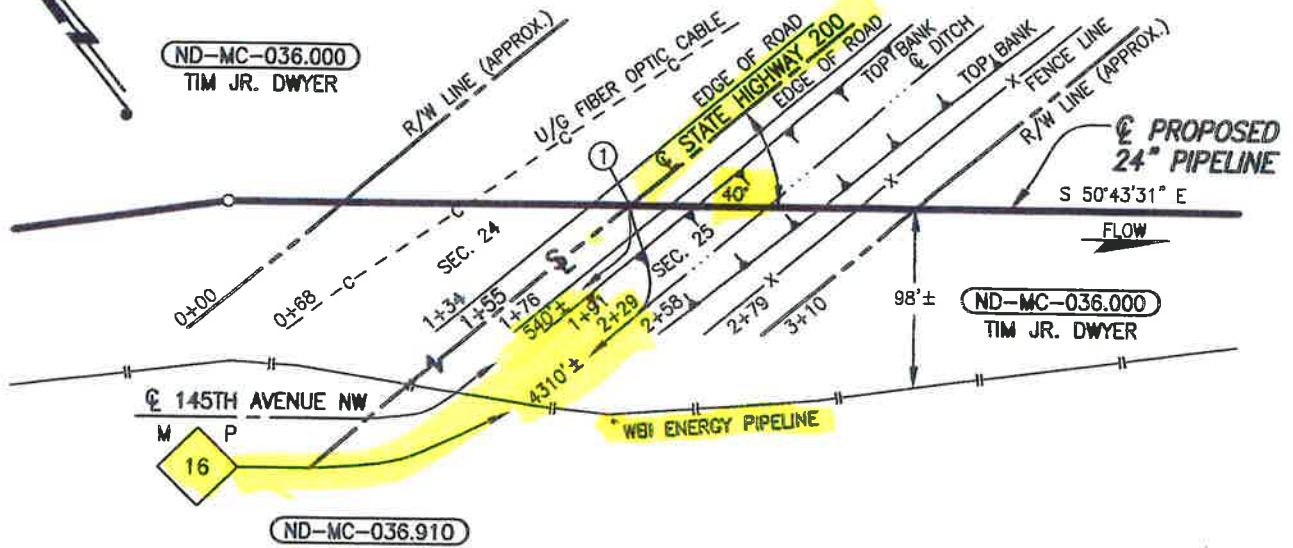


(Original to District File, copy to Applicant)

ND-MC-036.910
ND 200

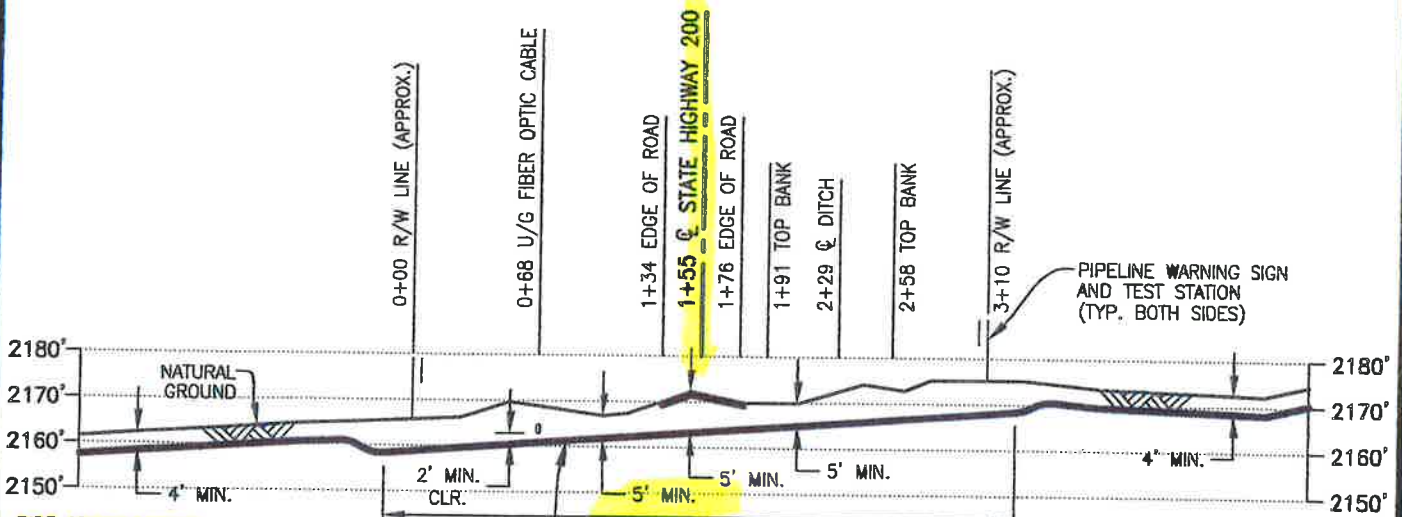
McKENZIE COUNTY, NORTH DAKOTA

SECTIONS 24 & 25, TOWNSHIP 151 NORTH, RANGE 102 WEST



PLAN

SCALE: 1"=100'



PROFILE

SCALE: 1"=100' HORIZ.
1"=40' VERT.

PIPE SPECIFICATIONS

PIPE 24" O.D. x 0.500" W.T.
API 5LX-70 ERW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

① X=1962225.66
Y=17399886.78

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: \odot STATE HIGHWAY 200 AT STA. 1+55, ELEV. 2172.88'

C	10/09/15	PRV	ISSUED FOR USE/PERMIT	RC
B	08/31/15	PRV	ISSUED FOR USE/PERMIT	RC
A	03/02/15	PRV	ISSUED FOR USE/PERMIT	RC
REV.	DATE	BY	DESCRIPTION	CHK.

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

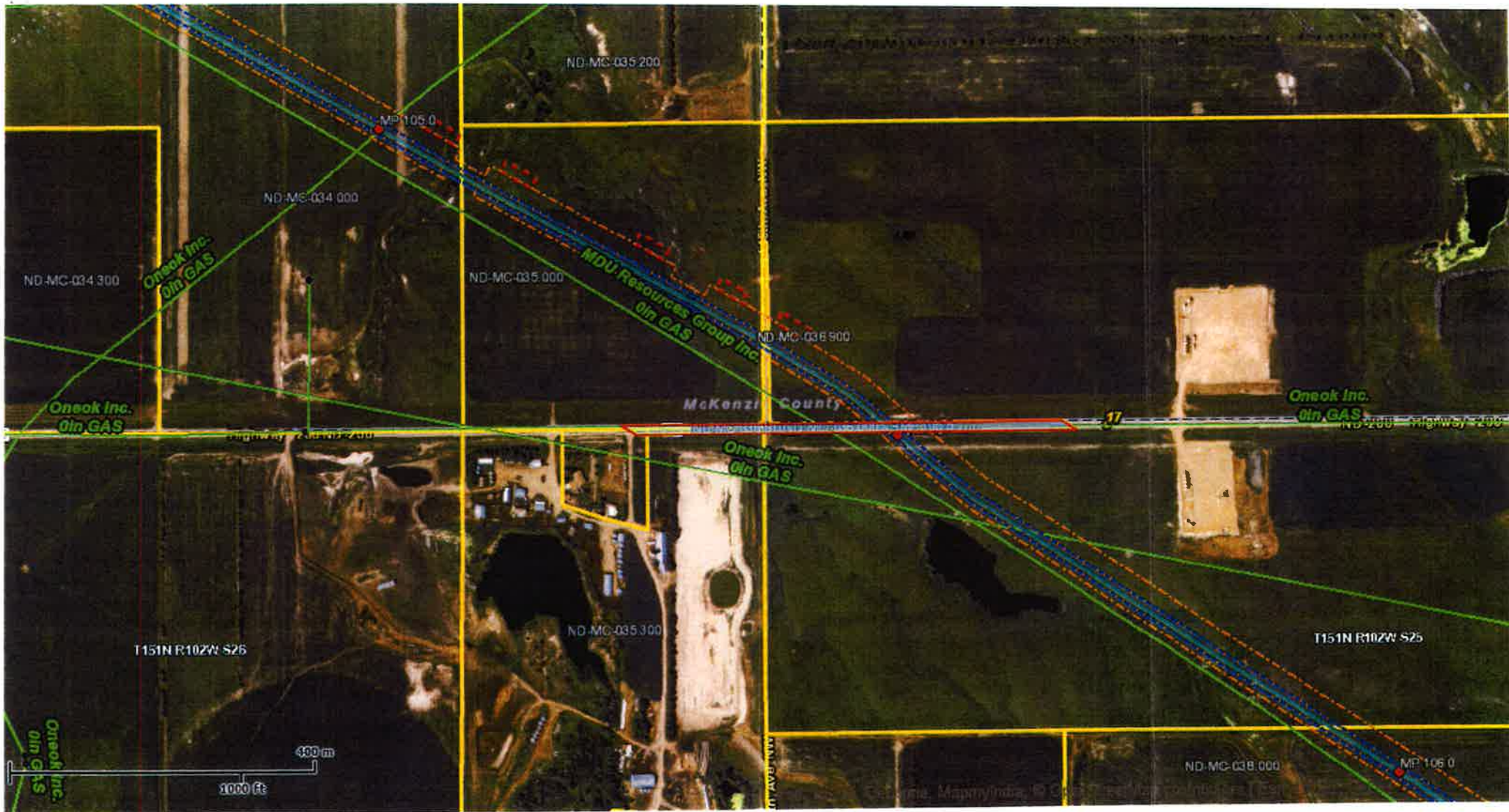
PROPOSED 24" DAPL PIPELINE CROSSING STATE HIGHWAY 200

McKENZIE COUNTY		NORTH DAKOTA	
DRAWN BY: OP	DATE: 01/27/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-MC-036.910	C
SCALE: AS SHOWN	APP.:		

J:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MCKENZIE COUNTY\103957-PB-

J:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MCKENZIE COUNTY\103957-PB-

FILE: R\



ND-MC-036-910 ND 200

CLS LiNK GIS Viewer

CLS Contract

UTILITY OCCUPANCY APPLICATION AND PERMIT
 North Dakota Department of Transportation, Design
 SFN 7995 (2-2016)

FOR STATE USE ONLY (Type or Print)

RIMS Document Number 73099	Contract Number 67160574	District Tracking Number 7-200-016.8551
-------------------------------	-----------------------------	--

APPLICANT INFORMATION

Authorized Utility Agent (must be same as signatory for permit)

Company Name DAKOTA ACCESS, LLC	Contact Name Robert Rose	Telephone Number 713-989-2864
Mailing Address 1300 Main Street	City Houston	State TX
		ZIP Code 77002

Preparer - Consultant

Company Name Wood Group Mustang	Contact Name JENNI Sherrill	Telephone Number 903.570.3412
Mailing Address 1100 Weiss Avenue	City Bismarck	State ND
		ZIP Code 58503

Utility Contractor

Company Name Precision Pipeline LLC	Contact Name Jim Crawford	Telephone Number 715-450-0988
Mailing Address 3314 56th Street	City Eau Claire	State WI
		ZIP Code 54703

TYPE OF FACILITY (Complete appropriate space only.)

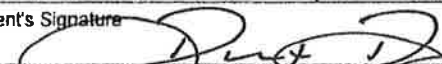
Description of Proposed Facility Steel Cathodically Protected Crude Oil Pipeline		
Size of Facility 12.75" OD X 0.500WT	Number of Cables	Length of Down Guys
Pipeline Pressure MOP: 1,440 PSIG	Size of Casing	Length of Casing
Location of Pole(s)	Location of Appurtenances	Location - Others

TERMS AND CONDITIONS: Installation and maintenance of said facilities on highway right of way shall be subject to the North Dakota Department of Transportation's (NDDOT's) "A Policy for Accommodation of Utilities on State Highway Right of Way", current edition, and the following terms and conditions, attached hereto and made a part hereof.

The installation shall be completed on or before: Date May 2017

See page 2 for additional Terms and Conditions.

APPROVAL


Company Name (Utility Agency) DAKOTA ACCESS, LLC	Authorized Utility Agent Name (Type or Print) ROBERT ROSE	Authorize Agent Title Vice President, Land and Right of Way
Date 2/24/16	Authorized Agent's Signature 	

To be signed by Owner, Partner, Corporate President, Vice President, or other authorized Corporate Officer. If signed by other authorized Corporate Officer, please attach copy of Power of Attorney or other documentation showing authority to sign.

The Owner is hereby granted permission to install and maintain the facilities applied for, as shown on the plans attached hereto, and made a part hereof.

NDDOT Approved Date
4/14/16

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION

District Engineer (Type or Print) JOEL M. WILF	District Engineer Signature 
---	---

For State Use Only

District Tracking Number

Please attach detail location map for each Utility Location. Use multiple utility locations when changing lateral offsets.

Highway Number SH 200	Utility Location <input type="checkbox"/> Along or <input checked="" type="checkbox"/> Across	
Nearest City or Hwy Jct. ICUS85/ST 200	Direction (N, S, (E) , W) East	Approximate Miles From 1.4
Begin	Reference Marker 17	Direction (N, S, E, (W)) West
	Direction From Centerline (N, S, E, W) North	Longitudinal Offset (feet) 750
		Lateral Offset (feet) 96

For State Use Only				
	Begin		End	
Location Number	Reference Pt	Offset	Reference Pt	Offset
	16.8551			
End	Reference Marker 16	Direction (N, S, (E) , W) East	Longitudinal Offset (feet) 4515/5200	
	Direction From Centerline (N, (S) , E, W) South		Lateral Offset (feet) 129	

\$100/line → \$100
[Signature]

ND-MC-036.910
SH 200

NOTICE: The Recipient must comply with ALL applicable Federal, State and local laws, rules, regulations, codes, ordinances, etc., including, but not limited to North Dakota Century Code, Chapter 49-23. (ONE-CALL EXCAVATION NOTICE SYSTEM)

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right of way shall conform to the following provisions:

1. Within thirty (30) days after construction, maintenance, relocation, or removal of said facilities, any right of way scars shall be removed and disturbed areas restored to original condition. Existing topsoil shall be removed prior to excavation and stockpiled until all disturbed areas are restored to original grade. The stockpiled topsoil shall be evenly and smoothly replaced over the areas disturbed by the trenches or pits.
2. Vehicles and other work equipment used to install or maintain said facilities within highway right of way shall, where possible, use established access points, service roads, driveways and approaches to enter or leave the outer portion of the right of way for the performance of necessary work operations. Such vehicles and work equipment shall not be parked on the through-traffic lanes or shoulders of the highway during installation or maintenance of said facilities. **The parking of equipment, vehicles, and storing of materials in the median on divided roadways is not permitted. On all roadways, parking and storing of materials may be permitted only if equipment, vehicles and material are located a minimum of 60 feet from the outside edge of the driving lane.**
3. Protection to the free and safe flow of the highway traffic shall be as required in accordance with the "Manual on Uniform Traffic Control Devices", current edition.
4. The Recipient will notify the District Engineer of the Department of Transportation forty-eight (48) hours prior to beginning this installation. Immediately following the final clean up of the area, the Recipient shall again notify the District Engineer of the Department of Transportation.
5. The Department of Transportation may not be the total fee owner and does not warrant the title to the highway right of way covered by the terms of this permit. The Recipient shall be responsible for reviewing the public records to determine ownerships and any encumbrances to the title of the properties covered by the terms of this permit.
6. Trenches and pits opened within the right of way shall be cut to O.S.H.A. Standards and shall be of minimum width necessary to accommodate installation of said facilities. **Trenches and Pits shall not be left open overnight, or unattended. Slopes shall not have more than a 2" drop off, all slopes shall be 4:1.**
7. Trenches and pits opened within the right of way shall be backfilled with the same material originally in place, compacted to a density equal to that of the adjacent undisturbed soil and restored to the original grade. The backfill shall be tamped in layers not exceeding six (6) inches in compacted thickness. Consolidation of the backfill by saturation or ponding is not permissible.

Western Wheatgrass	Rodan, Rosana, Walsh, Flintlock, W.R. Poole, Recovery	9.6
Switchgrass	Dacotah, Forestburg, or Sunburst, Summer	3.2
Green Needlegrass	Lodorm, AC Mallard, Fowler	2.4
Sideoats Grama	Killdeer, Pierre, Butte	3.6
Slender Wheatgrass	Revenue, Primar, Adanac, Pryor, Firstrike	5.0
Total		23.8

Seed Class Mix Requirements		
Class II – Late Season		
Grass Species	Variety	Pounds Pure Live Seed Per Acre
Western Wheatgrass	Rodan, Rosana, Walsh, Flintlock, W.R. Poole, Recovery	9.6
Switchgrass	Dacotah, Forestburg, or Sunburst, Summer	1.6
Green Needlegrass	Lodorm, AC Mallard, Fowler	3.6
Canada Wild-rye	Mandan	5.2
Slender Wheatgrass	Revenue, Primar, Adanac, Pryor, Firstrike	5.0
Total		25.0

BY

Risk Management Appendix

Permits and Licenses with Private Individuals, Companies, Corporations, Etc. (referred to as Recipient):

Recipient agrees to defend, indemnify, and hold harmless the state of North Dakota, its agencies, officers and employees (State), from and against claims based on the vicarious liability of the State or its agents, but not against claims based on the State's contributory negligence, comparative and/or contributory negligence or fault, sole negligence, or intentional misconduct. The legal defense provided by the Recipient to the State under this provision must be free of any conflicts of interest, even if retention of separate legal counsel for the State is necessary. Recipient also agrees to defend, indemnify, and hold the State harmless for all costs, expenses and attorneys' fees incurred if the State prevails in an action against the Recipient in establishing and litigating the indemnification coverage provided herein. This obligation shall continue after the termination of this agreement.

Recipient shall secure and keep in force during the term of this agreement, from insurance companies, government self-insurance pools or government self-retention funds authorized to do business in North Dakota, the following insurance coverages:

- 1) **Commercial general liability and automobile liability insurance** – minimum limits of liability required are **\$250,000 per person and \$1,000,000 per occurrence.**
- 2) **Workers compensation insurance** meeting all statutory limits.
- 3) The State of North Dakota and its agencies, officers, and employees (State) shall be endorsed as an **additional insured** on the commercial general liability and automobile liability policies.
- 4) Said endorsements shall contain a **"Waiver of Subrogation"** in favor of the state of North Dakota.
- 5) The policies and endorsements may not be canceled or modified without **thirty (30) days prior written notice** to the undersigned State representative.

Recipient shall furnish a certificate of insurance evidencing the requirements in 1, 3, and 4 above to the undersigned State representative prior to commencement of this agreement.

The State reserves the right to obtain complete, certified copies of all required insurance documents, policies, or endorsements at any time. If Recipient's insurance will expire prior to the term of this agreement, Recipient shall renew the above requirements and furnish a certificate of insurance evidencing the renewal to the undersigned State representative prior to the expiration of the insurance. Any attorney who represents the State under this policy must first qualify as and be appointed by the North Dakota Attorney General as a Special Assistant Attorney General as required under N.D.C.C. Section 54-12-08.

When a portion of a Contract is sublet, the Recipient shall obtain insurance protection (as outlined above) to provide liability coverage to protect the Recipient and the State as a result of work undertaken by the Subcontractor. In addition, the Recipient shall ensure that any and all parties performing work under the Contract are covered by public liability insurance as outlined above. All Subcontractors performing work under the Contract are required to maintain the same scope of insurance required of the Recipient. The Recipient shall be held responsible for ensuring compliance with those requirements by all Subcontractors.

Recipient's insurance coverage shall be primary (i.e., pay first) as respects any insurance, self-insurance or self-retention maintained by the State. Any insurance, self-insurance or self-retention maintained by the State shall be excess of the Recipient's insurance and shall not contribute with it. The insolvency or bankruptcy of the insured Recipient shall not release the insurer from payment under the policy, even when such insolvency or bankruptcy prevents the insured Recipient from meeting the retention limit under the policy. Any deductible amount or other obligations under the policy(ies) shall be the sole responsibility of the Recipient. This insurance may be in policy or policies of insurance, primary and excess, including the so-called umbrella or catastrophe form and be placed with insurers rated "A-" or better by A.M. Best Company, Inc. The State will be indemnified, saved, and held harmless to the full extent of any coverage actually secured by the Recipient in excess of the minimum requirements set forth above.

UTILITY OCCUPANCY APPLICATION AND PERMIT

North Dakota Department of Transportation, Design
SFN 7995 (2-2016)

FOR STATE USE ONLY (Type or Print)

RIMS Document Number 73099	Contract Number 67160574	District Tracking Number 7-200-016.8551
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APPLICANT INFORMATION

Authorized Utility Agent (must be same as signatory for permit)

Company Name DAKOTA ACCESS, LLC	Contact Name Robert Rose	Telephone Number 713-989-2864
Mailing Address 1300 Main Street	City Houston	State TX
		ZIP Code 77002

Preparer - Consultant

Company Name Wood Group Mustang	Contact Name Jenni Sherrill	Telephone Number 903-570-3412
Mailing Address 1100 Weiss Avenue	City Bismarck	State ND
		ZIP Code 58503

Utility Contractor

Company Name Precision Pipeline LLC	Contact Name Jim Crawford	Telephone Number 715-450-0988
Mailing Address 3314 56th Street	City Eau Claire	State WI
		ZIP Code 54703

TYPE OF FACILITY (Complete appropriate space only.)

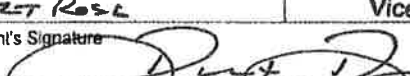
Description of Proposed Facility Steel Cathodically Protected Crude Oil Pipeline		
Size of Facility 12.75' OD X 0.500WT	Number of Cables	Length of Down Guys
Pipeline Pressure MOP: 1,440 PSIG	Size of Casing	Length of Casing
Location of Pole(s)	Location of Appurtenances	Location - Others

TERMS AND CONDITIONS: Installation and maintenance of said facilities on highway right of way shall be subject to the North Dakota Department of Transportation's (NDDOT's) "A Policy for Accommodation of Utilities on State Highway Right of Way", current edition, and the following terms and conditions, attached hereto and made a part hereof.

The installation shall be completed on or before: Date May 2017

See page 2 for additional Terms and Conditions.

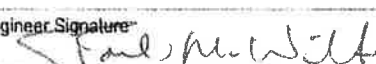
APPROVAL

Company Name (Utility Agency) DAKOTA ACCESS, LLC	Authorized Utility Agent Name (Type or Print) ROBERT ROSE	Authorize Agent Title Vice President, Land and Right of Way
Date 2/24/16	Authorized Agent's Signature 	

To be signed by Owner, Partner, Corporate President, Vice President, or other authorized Corporate Officer. If signed by other authorized Corporate Officer, please attach copy of Power of Attorney or other documentation showing authority to sign.

The Owner is hereby granted permission to install and maintain the facilities applied for, as shown on the plans attached hereto, and made a part hereof. NDDOT Approved Date 4/14/16

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION

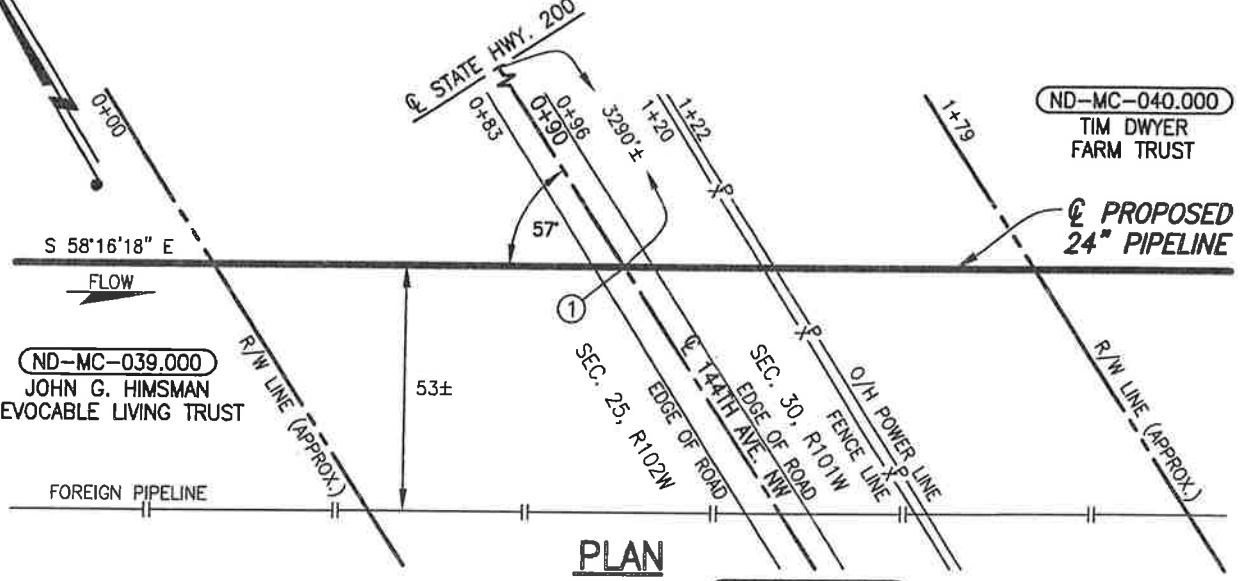
District Engineer (Type or Print) JOEL M. WILF	District Engineer Signature 
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ND-MC-034.910 SH200

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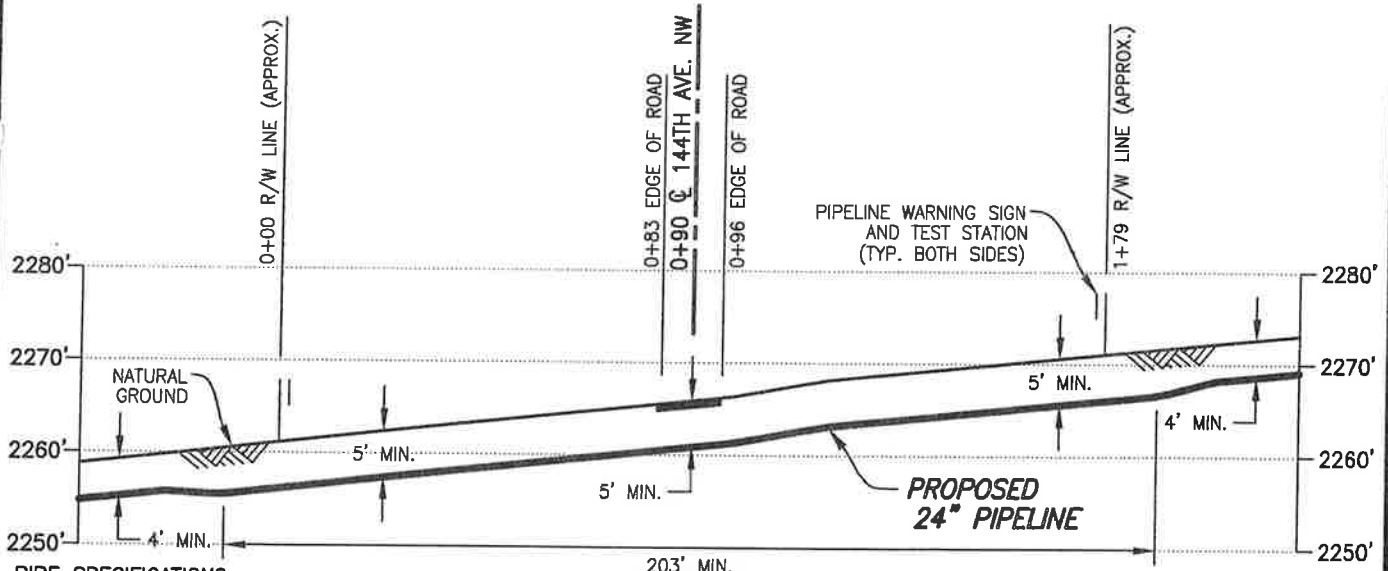
McKENZIE COUNTY, NORTH DAKOTA

SECTIONS 25 & 30, TOWNSHIP 151 NORTH, RANGES 102 & 101 WEST



PLAN

SCALE: 1"=40' ND-MC-039.900



PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS
 PIPE 24" O.D. x 0.500" W.T.
 API 5LX-70 ERW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

① X=1967020.29
 Y=17396842.18
DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 13
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: \odot 144TH AVENUE NW
 AT STA. 0+90, ELEV. 2265.88'

REV.	DATE	BY	DESCRIPTION	CHK.
B	08/10/15	PRV	ISSUED FOR USE/PERMIT	RC
A	03/30/15	OP	ISSUED FOR REVIEW	RC

PROJECT NO. **10395700**



DAKOTA ACCESS, LLC

**PROPOSED 24" DAPL PIPELINE CROSSING
144TH AVENUE NW**

McKENZIE COUNTY NORTH DAKOTA

DRAWN BY: OP	DATE: 03/25/15	DWG. NO.	REV.
CHECKED BY: PA	DATE: 03/27/15	ND-MC-039.900	B
SCALE: AS SHOWN	APP.:		

FILE: R:\Proj\3957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MCKENZIE COUNTY\103957-P8-ND-N
 1:900.dwg PLOT DATE: 9/11/2015 BY: GARCIA, REFUGIO

**McKENZIE COUNTY CONSENT FOR UTILITY COMPANY TO
CROSS A PUBLIC ROAD OR SECTION ROAD**

Permit #: _____

Dakota Access, LLC
Utility Company Name

of 1300 Main Street, Houston, TX 77002
Address, City, State & Zip

Route*	Section #		Township (N)		Range (W)		For Official Use Only	
	From	To	From	To	From	To	Type of Crossing	Fee
31 ST. NW	30	31	151	151	101	101	Section	25 ⁰⁰
Section								
Total Fee:								25 ⁰⁰

*Enter the County Route # or Street Name. If it is simply a section line crossing, enter "Section Line"

AUTHORIZED AGENT OF THE UTILITY COMPANY

I, the undersigned, being an authorized agent of the Utility Company described in the above, do hereby agree on behalf of the Utility Company that all **terms and conditions listed on the reverse** will be complied with, and any assignment of this buried transmission facility described above shall include and assignment of this liability to comply with the terms and conditions as stated herein.


Signature of Authorized Agent of Utility Company

1/27/16
Date

Robert Rose
Printed Name of Authorized Agent of Utility Company

Telephone Number

If you require additional pages for your request, indicate your total number of pages.
Page of Total # Pages of

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

Claire Cunningham
Company Name or Agent Name

802.989.2489
Telephone Number

1100 Weiss Avenue
Address

Bismarck, ND 58503
Address
City, State & Zip Code

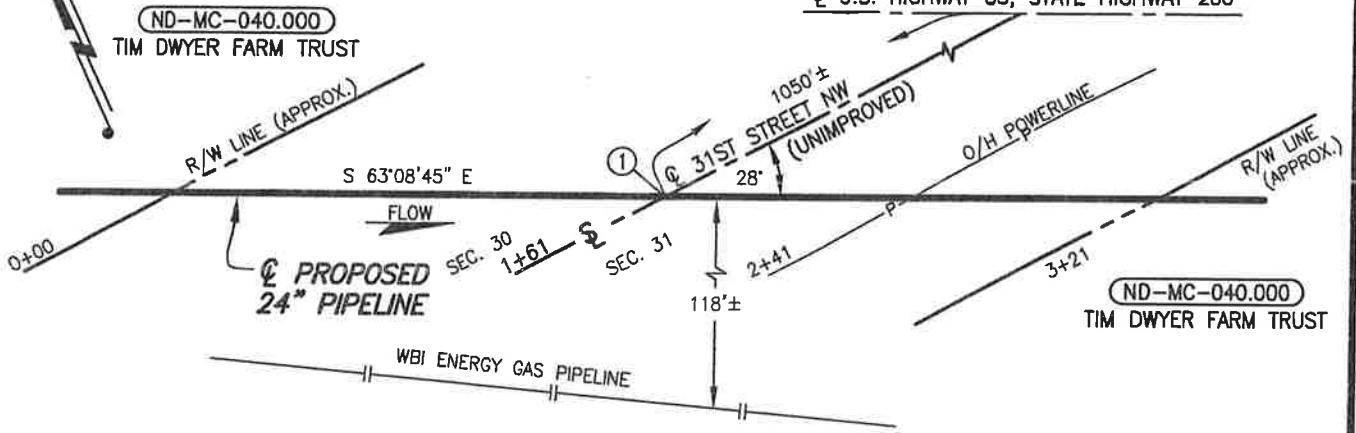
Approval Stamp

ND-MC-041.900
31 ST. NW

McKENZIE COUNTY, NORTH DAKOTA

SECTIONS 30 & 31, TOWNSHIP 151 NORTH, RANGE 101 WEST

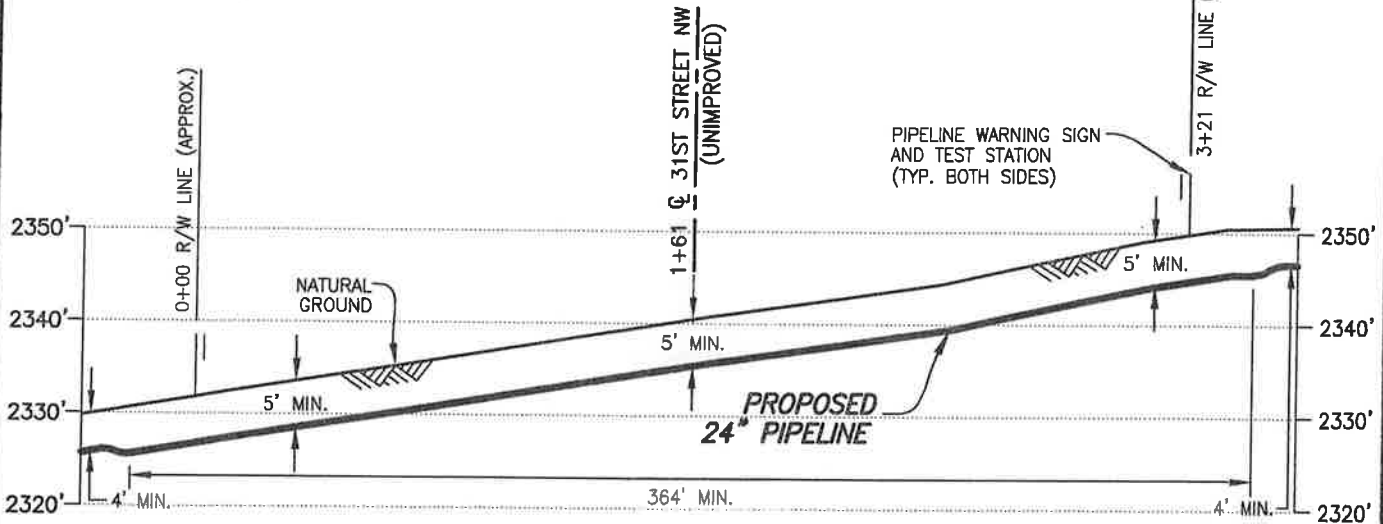
U.S. HIGHWAY 85, STATE HIGHWAY 200



ND-MC-041.900

PLAN

SCALE: 1"=60'



PIPE SPECIFICATIONS

PIPE 24" O.D. x 0.500" W.T.
 API 5LX-70 ERW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=60' HORIZ.
 1"=20' VERT.

① X=1970475.95
 Y=17394775.14

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
 T.B.M.: Q 31ST STREET NW (UNIMPROVED) AT STA. 1+61, ELEV. 2340.48'

REV.	DATE	BY	DESCRIPTION	CHK.
B	09/09/15	RG	ISSUED FOR USE/PERMIT	
A	07/01/15	JWH	ISSUED FOR USE/PERMIT	EDF



DAKOTA ACCESS, LLC

PROPOSED 24" DAPL PIPELINE CROSSING 31ST STREET NW (UNIMPROVED)

McKENZIE COUNTY NORTH DAKOTA

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.

NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DRAWN BY: PRV	DATE: 04/29/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 06/29/15	ND-MC-041.900	B
SCALE: AS SHOWN	APP.:		

DRIVEWAY APPLICATION & PERMIT

North Dakota Department of Transportation, Maintenance Division
SFN 5918 (Rev. 06-2015)

Permit Number 1610

District Number 07

Applicant <u>DAKOTA ACCESS, LLC</u>		Telephone Number	
Address <u>1300 MAIN STREET</u>		City <u>Houston</u>	State <u>TX</u>
		ZIP Code <u>77002</u>	

Driveway Information on State Highway Right of Way

Number of Driveways <u>2 Temporary</u>	<input checked="" type="checkbox"/> Pipeline Construction <input type="checkbox"/> Private <input type="checkbox"/> Commercial	Direction <input type="checkbox"/> N <input type="checkbox"/> S <input checked="" type="checkbox"/> E <input checked="" type="checkbox"/> W side of Route <u>US 85</u>
Location <u>US 85 north of Reference Marker 163 approx 1746'</u>		
Town	Highway <u>US 85</u>	Junction
		Mile Marker Number <u>1746' N of MP 163</u>

Description of proposed work on state right of way and type of business served.
2 Temporary access Drives on each side of US 85 for pipeline construction

Applicant agrees that any permit issued and any entrance built or work done shall be in accordance with plans attached hereto and made a part hereof, and Permit Specifications printed on the reverse side of this sheet. If the applicant fails to construct the drive to the specified dimensions, including the proper culvert length and inslopes, the Department of Transportation, hereinafter referred to as NDDOT, will either cancel this permit and remove the drive or make the necessary corrections and the Applicant will reimburse NDDOT for such work. These are temporary driveways that will be removed when pipeline construction is complete. Contact for such work when removal is complete. No bridge structures, construct with earth only. Traffic Control is required and it must be removed during non-work hours everyday.

APPLICANT:

Robert Rose
Name (Type or Print)
[Signature]
Signature
Vice President, Land and Right of Way
Title
1/29/16
Date

NORTH DAKOTA
DEPARTMENT OF TRANSPORTATION

Joel M. Wilt
District Engineer (Type or Print)
[Signature]
Signature
3/29/16
Date

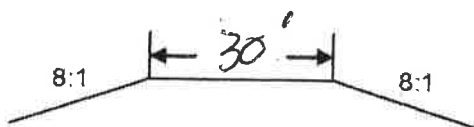
Permit granted:

Date

Construction shall be completed by:

12/31/16
Date

Sketch:



ND-MC-042.900
US 85

McKENZIE COUNTY, NORTH DAKOTA

SECTION 31, TOWNSHIP 151 NORTH, RANGE 101 WEST

31ST STREET NW

ND-MC-040.000

TIM DWYER FARM TRUST

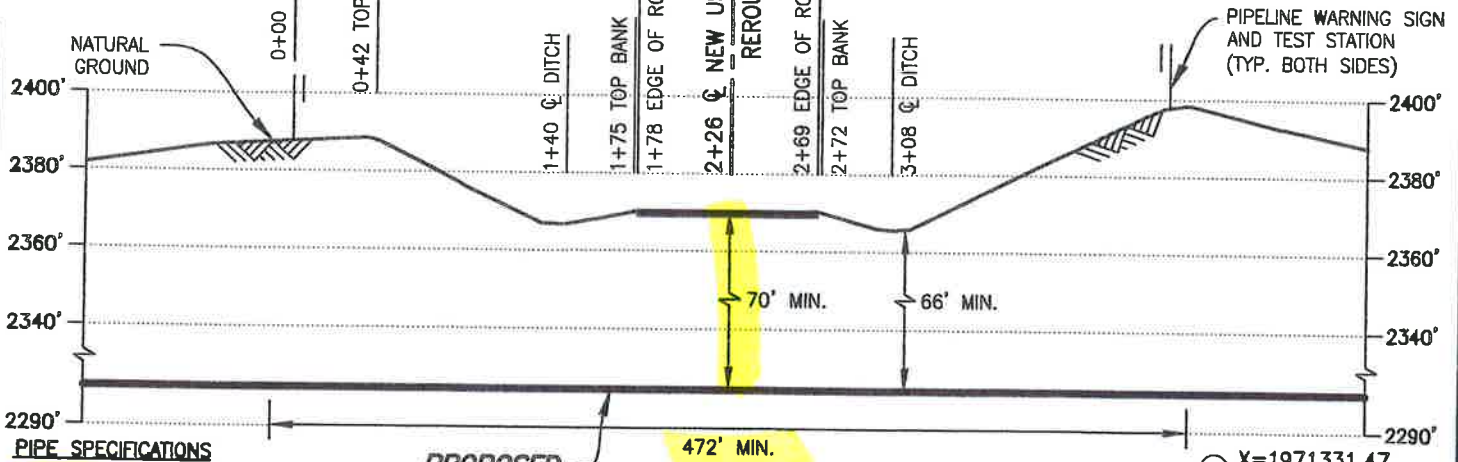
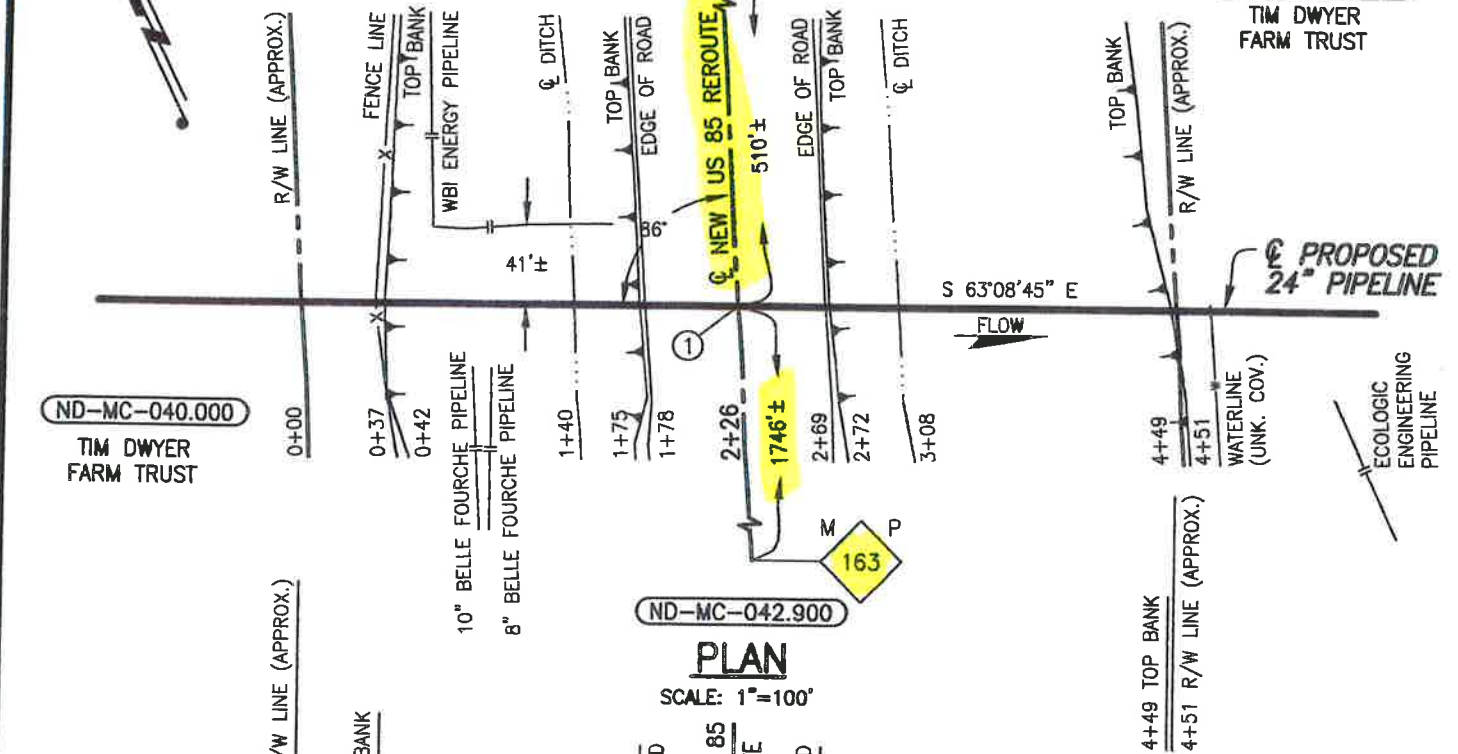
ND-MC-040.000

TIM DWYER FARM TRUST

ND-MC-042.900

PLAN

SCALE: 1"=100'



PROFILE

SCALE: 1"=100' HORIZ.
1"=50' VERT.

PIPE SPECIFICATIONS

PIPE 24" O.D. x 0.500" W.T.
API 5LX-70 ERW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: HDD
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

DATUM:

① X=1971331.47
Y=17394311.82
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: ② NEW US 85 REROUTE AT STA. 2+26, ELEV. 2370.31'

D	11/09/15	JTM	ISSUED FOR USE/PERMIT	RC
C	11/03/15	MM	ISSUED FOR USE/PERMIT	RC
B	10/30/15	JTM	ISSUED FOR USE/PERMIT	RC
A	10/19/15	OP	ISSUED FOR USE/PERMIT	RC
	DATE	BY	DESCRIPTION	CHK.

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

**PROPOSED 24" DAPL PIPELINE CROSSING
NEW US 85 REROUTE**

McKENZIE COUNTY NORTH DAKOTA

DRAWN BY: OP	DATE: 03/12/15	DWG. NO.	REV.
CHECKED BY: TC	DATE: 08/19/15	ND-MC-042.900	D
SCALE: AS SHOWN	APP.:		

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MCKENZIE COUNTY\103957-PB-ND-MC-042.900_REV_D.dwg PLOT DATE: 11/9/2015 BY: MADAMBA, JOEY

DRIVEWAY APPLICATION & PERMIT

North Dakota Department of Transportation Maintenance Division
SFN 5918 (Rev. 06-2015)

Permit Number 1611

District Number 67

Applicant DAKOTA ACCESS, LLC		Telephone Number	
Address 1300 MAIN STREET		City Houston	State TX
		ZIP Code 77002	

Driveway Information on State Highway Right of Way

Number of Driveways 2 Temporary	<input type="checkbox"/> Pipeline Construction <input type="checkbox"/> Private <input type="checkbox"/> Commercial	Direction <input type="checkbox"/> N <input type="checkbox"/> S <input checked="" type="checkbox"/> E <input checked="" type="checkbox"/> W	side of Route US 85 B
Location US 85 B APPROX 3740' N of MP 972			
Town	Highway US 85 B	Junction	Mile Marker Number 3740' N of MP 972

Description of proposed work on state right of way and type of business served.
2 Temporary access drives on either side of US 85 B approximately 3740' north of MP 972

Applicant agrees that any permit issued and any entrance built or work done shall be in accordance with plans attached hereto and made a part hereof, and Permit Specifications printed on the reverse side of this sheet. If the applicant fails to construct the drive to the specified dimensions, including the proper culvert length and inslopes, the Department of Transportation, hereinafter referred to as NDDOT, will either cancel this permit and remove the drive or make the necessary corrections and the Applicant will reimburse NDDOT for such work.

These are temporary driveways that will be removed when pipeline construction is complete. Contact the District when removal is complete. No bridge structures, construct with earth only. Traffic Control is required and it must be removed during non-work hours everyday.

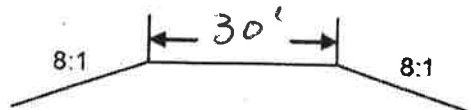
APPLICANT:

NORTH DAKOTA
DEPARTMENT OF TRANSPORTATION

Robert Rose
Name (Type or Print)
[Signature]
Signature
Vice President, Land and Right of Way
Title
3/29/16
Date
Permit granted:
Date

Joel M. Wilt
District Engineer (Type or Print)
[Signature]
Signature
3/29/16
Date
Construction shall be completed by:
12/31/16
Date

Sketch:



(Original to District File, copy to Applicant)

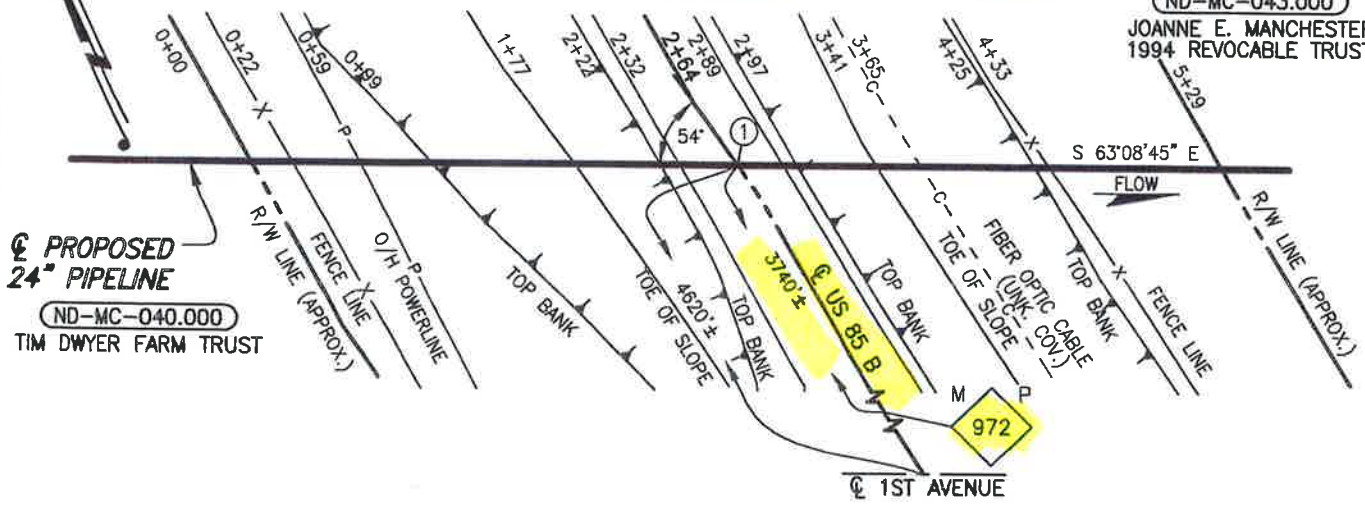
ND-MC-642930
US 85 B
Page 1 of 2 (Over)

McKENZIE COUNTY, NORTH DAKOTA

SECTIONS 31 & 32, TOWNSHIP 151 NORTH, RANGE 101 WEST

ND-MC-043.000

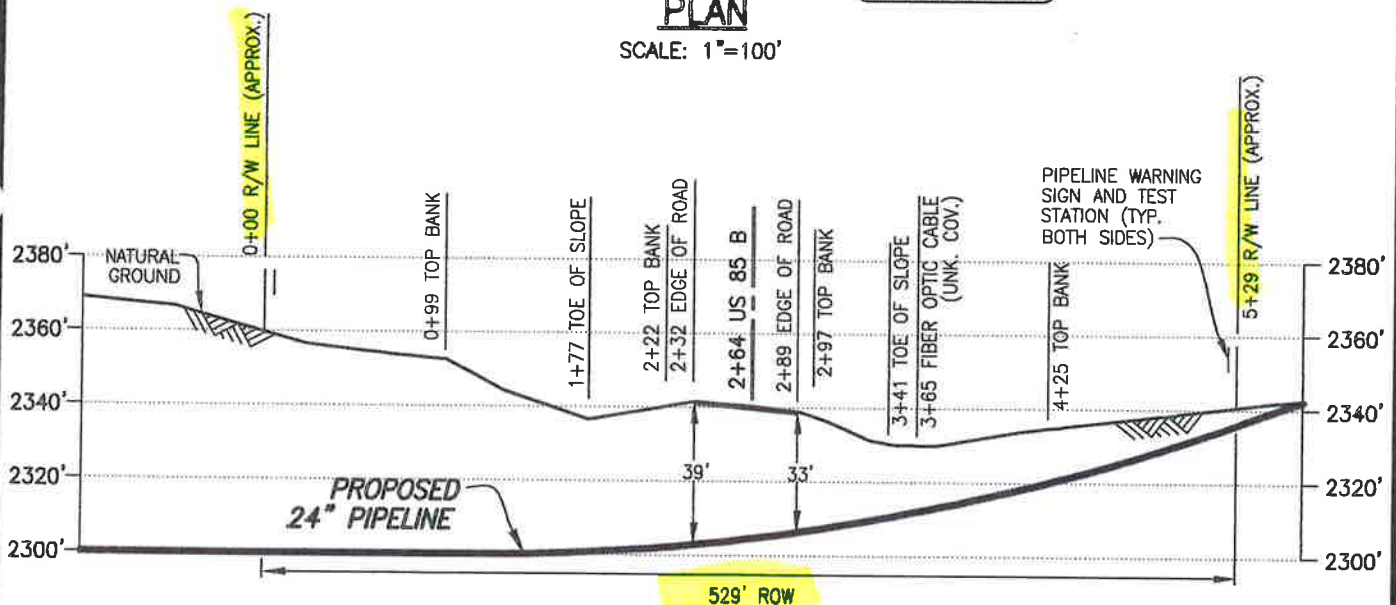
JOANNE E. MANCHESTER
1994 REVOCABLE TRUST



PROPOSED
24" PIPELINE
ND-MC-040.000
TIM DWYER FARM TRUST

ND-MC-042.930

PLAN
SCALE: 1"=100'



PIPELINE WARNING
SIGN AND TEST
STATION (TYP.
BOTH SIDES)

PIPE SPECIFICATIONS
PIPE 24" O.D. x 0.500" W.T.
API 5LX-70 ERW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: HDD
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

PROFILE
SCALE: 1"=100' HORIZ.
1"=50' VERT.

① X=1972215.58
Y=17393894.32

DATUM:
ALL ELEVATIONS DERIVED FROM GPS
OBSERVATIONS (GEOID 2012, NAVD 88)
BEARINGS BASED ON UTM ZONE 13
NORTH AMERICAN DATUM 1983.
U.S. SURVEY FEET
T.B.M.: © U.S. 85 B
AT STA. 2+64, ELEV. 2340.35'

REV.	DATE	BY	DESCRIPTION	CHK.
F	12/21/15	OP	ISSUED FOR USE/PERMIT	RC
E	11/03/15	JTM	ISSUED FOR USE/PERMIT	RC
D	10/30/15	JTM	ISSUED FOR USE/PERMIT	RC
C	10/21/15	PRV	ISSUED FOR USE/PERMIT	RC



**PROPOSED 24" DAPL PIPELINE CROSSING
US 85 B**

PROJECT NO. 10395700		MCKENZIE COUNTY		NORTH DAKOTA	
<p>WOOD GROUP MUSTANG, INC. NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C</p>		DRAWN BY: PRV CHECKED BY: RC SCALE: AS SHOWN	DATE: 11/10/14 DATE: 03/02/15 APP.:	DWG. NO. ND-MC-042.930	REV. F

FILE: R:\Proj\3957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MCKENZIE COUNTY\103957-P8-ND-4 :930_REV_E.dwg PLOT DATE: 12/21/2015 BY: PALACIOS, OSCAR



ND-MC-042.900/042.930

US 95
US 85 B

CLS LINK GIS Viewer

CLS Contract

McKENZIE COUNTY CONSENT FOR UTILITY COMPANY TO CROSS A PUBLIC ROAD OR SECTION ROAD

Dakota Access, LLC
Utility Company Name

of 1300 Main Street, Houston, TX 77002
Address, City, State & Zip

Route*	Section #		Township (N)		Range (W)		For Official Use Only		
	From	To	From	To	From	To	Type of Crossing	Fee	
142 AVE. NW	32	33	157	151	101	101	Section	25.00	
Section									
								Total Fee:	25.00

*Enter the County Route # or Street Name. If it is simply a section line crossing, enter "Section Line"

AUTHORIZED AGENT OF THE UTILITY COMPANY

I, the undersigned, being an authorized agent of the Utility Company described in the above, do hereby agree on behalf of the Utility Company that all terms and conditions listed on the reverse will be complied with, and any assignment of this buried transmission facility described above shall include and assignment of this liability to comply with the terms and conditions as stated herein.

[Signature] 1/27/16
 Signature of Authorized Agent of Utility Company Date

ROBERT ROSE
 Printed Name of Authorized Agent of Utility Company Telephone Number

If you require additional pages for your request, indicate your total number of pages.

Page _____ of Total # Pages _____ of _____

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

Claire Cunningham 802-989-2489
 Company Name or Agent Name Telephone Number

1100 Weiss Avenue
 Address

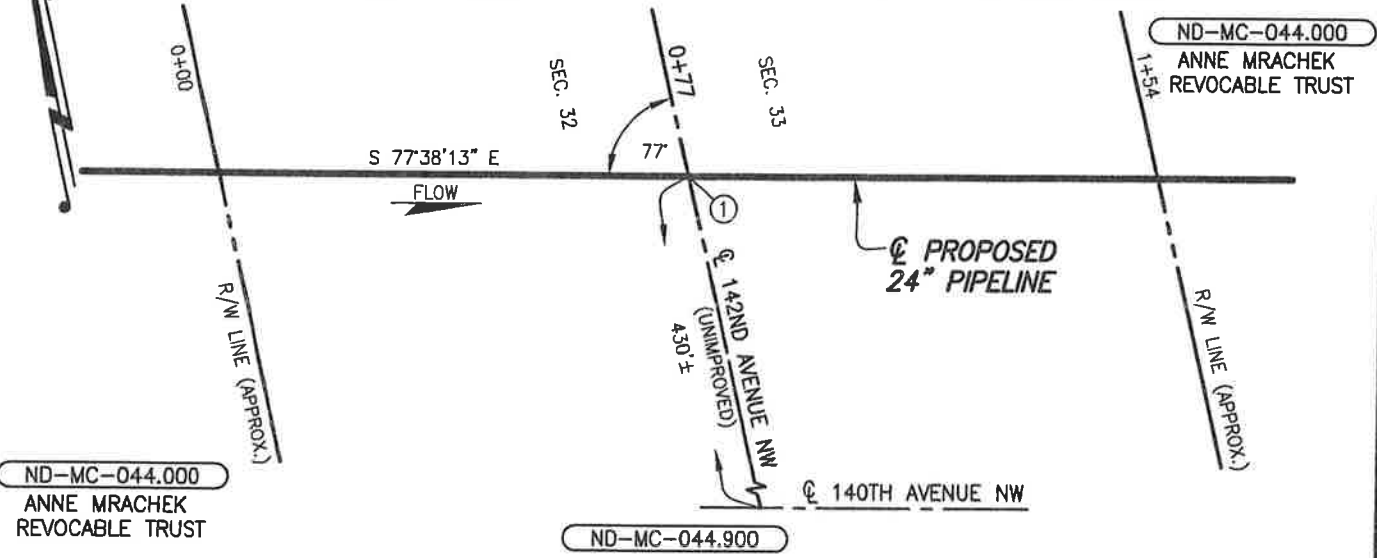
Bismarck, ND 58503
 Address
 City, State & Zip Code

Approval Stamp

ND-MC-044.900
142 Ave NW

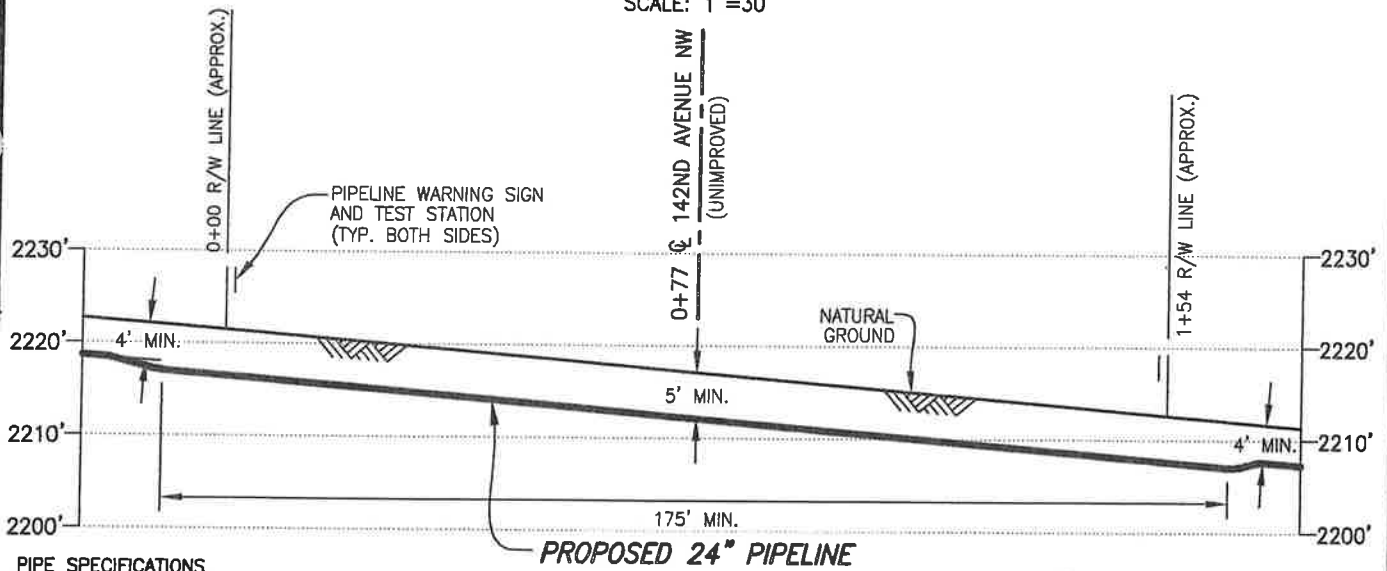
MCKENZIE COUNTY, NORTH DAKOTA

SECTIONS 32 & 33, TOWNSHIP 151 NORTH, RANGE 101 WEST



PLAN

SCALE: 1"=30'



PIPE SPECIFICATIONS

PIPE 24" O.D. x 0.500" W.T.
 API 5LX-70 ERW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=30' HORIZ.
 1"=20' VERT.

① X=1977490.08
 Y=17392640.87

DATUM:

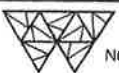
ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 13
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET

T.B.M.: \odot 142ND AVENUE NW (UNIMPROVED)
 AT STA. 0+77, ELEV. 2217.06'

FILE: R:\Proj\3957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MCKENZIE COUNTY\103957-PB-ND-1
 :900.dwg PLOT DATE: 4/22/2015 BY: HUMBERSON, JEREMY

REV.	DATE	BY	DESCRIPTION	CHK.
A	04/22/15	PRV	ISSUED FOR USE/PERMIT	PN

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 24" DAPL PIPELINE CROSSING 142ND AVENUE NW (UNIMPROVED)

MCKENZIE COUNTY		NORTH DAKOTA	
DRAWN BY: RG	DATE: 03/26/15	DWG. NO.	REV.
CHECKED BY: PN	DATE: 04/15/15	ND-MC-044.900	A
SCALE: AS SHOWN	APP.:		

PERMIT TO CONSTRUCT AN APPROACH TO A COUNTY MAINTAINED ROAD

Revised Application Effective May 12, 2014

Dalcota Access, LLC of 1300 main street, Houston, Tx 77002
 Approach Owner Address, City, State & Zip

	Road where approach will be located	Section	Township (N)	Range (W)	Approach Type	If Multifamily, how many units? OR How many trucks per day?	For Official Use Only (Fee)
Approach 1	CC Dam Rd	33 WEST SIDE	151	101	Temporary		100 ⁼⁼
Approach 2	CC Dam Rd	33 EAST SIDE	151	101	Temporary		100 ⁼⁼
Total Fee:							200 ⁼⁼

APPROACH USE

Farm / Field Access (FF)

Limited use. Access to farm land or a field.

Residential- Single Family (SF)

Moderate use. Access to a single family home or farm.

Residential- Multi Family (MF)

High use. Access to multiple homes, farms, temporary housing including work camps.

Commercial (CM)

High truck use. Access to a commercial/industrial instalation.

Oil Pad (OP)

Moderate! truck use. Access to an Oil Pad.

Site Name: _____

Email Address: _____

CLAIRE CUNNINGHAM
 Printed Name of Authorized Agent of the Contractor or Approach Owner

802-989-2489
 Telephone Number

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

Claire Cunningham
 Approach Owner or Agent Name for Approach Owner

802-989-2489
 Telephone Number

1100 Weiss Avenue
 Address

Bismarck, ND 58503
 Address City, State & Zip Code

The Contractor must comply with all terms and conditions stated herein, especially the minimum engineering standards. Failure to comply with this CONDITIONAL CONSENT shall cause the consent to be rescinded and the Contractor must remove the approach from the right-of-way immediately or be responsible for the costs incurred by the County in removing the same. The County specifically reserves the right to remove the approach from right-of-way for non-compliance and reimbursement will be made to the County by the Contractor for doing the same.

Temporary Pipeline construction

PERMIT APPROVED

APR 13 2016



NDMC-045.900
 CC Dam Road

McKENZIE COUNTY, NORTH DAKOTA

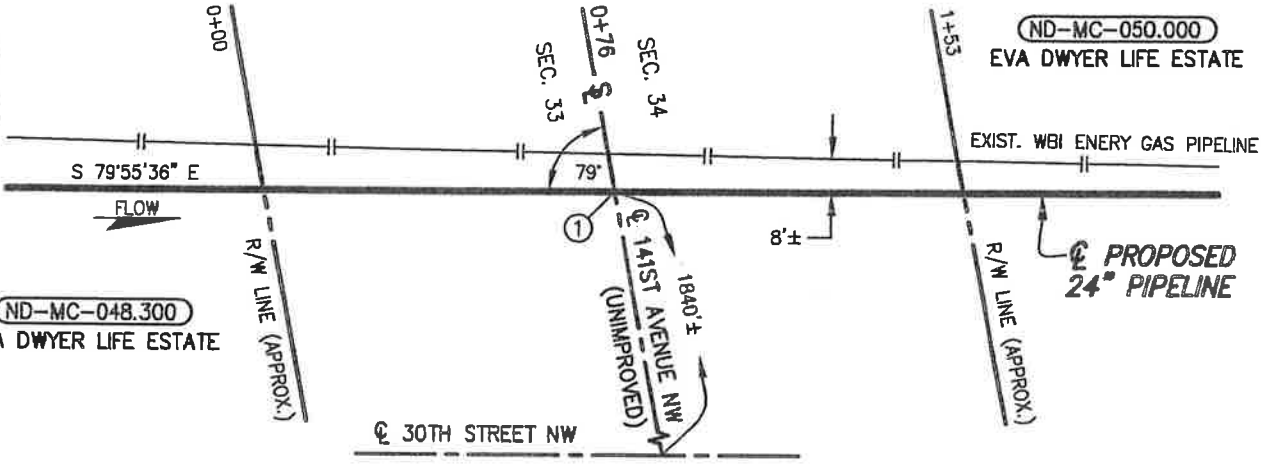
SECTIONS 33 & 34, TOWNSHIP 151 NORTH, RANGE 101 WEST

ND-MC-048.300.900

ND-MC-050.000

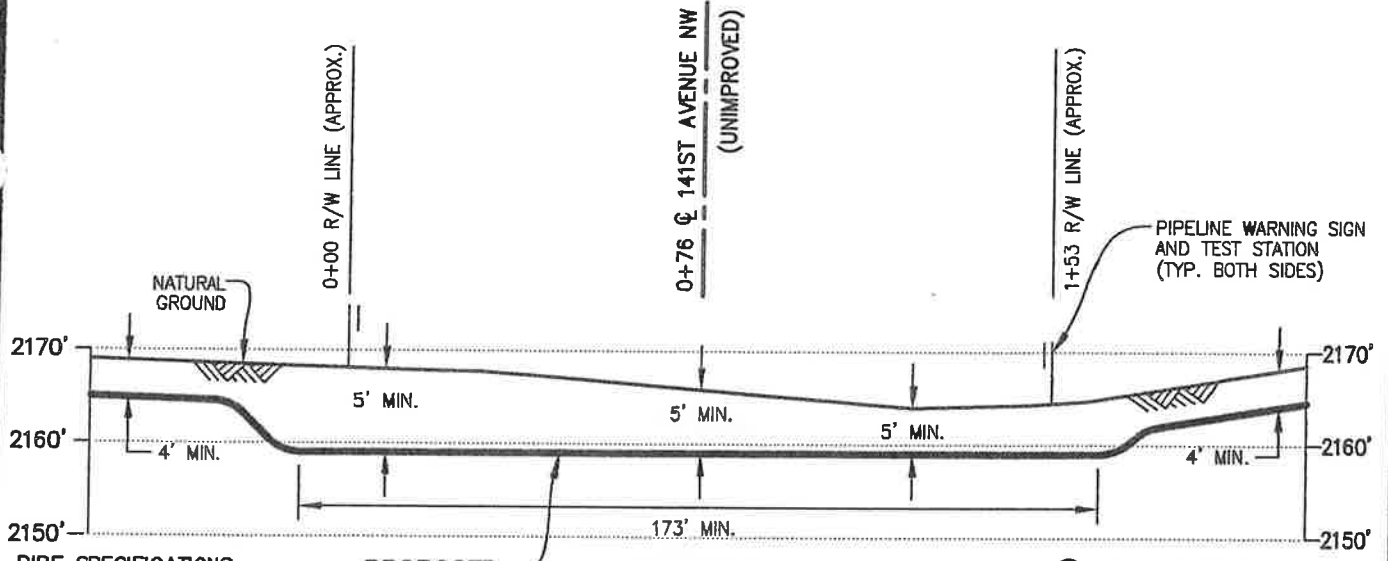
EVA DWYER LIFE ESTATE

ND-MC-048.300
EVA DWYER LIFE ESTATE



PLAN

SCALE: 1" = 40'



PROFILE

SCALE: 1" = 40' HORIZ.
1" = 20' VERT.

PIPE SPECIFICATIONS

PIPE 24" O.D. x 0.500" W.T.
API 5LX-70 ERW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

PROPOSED
24" PIPELINE

① X=1982794.41
Y=17391527.59

DATUM:

ALL ELEVATIONS DERIVED FROM GPS
OBSERVATIONS (GEOID 2012, NAVD 88)
BEARINGS BASED ON UTM ZONE 13
NORTH AMERICAN DATUM 1983.
U.S. SURVEY FEET

T.B.M.: \odot 141ST AVENUE NW (UNIMPROVED)
AT STA. 0+76, ELEV. 2165.83'

REV.	DATE	BY	DESCRIPTION	CHK.
A	07/01/15	JWH	ISSUED FOR USE/PERMIT	EDF

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 24" DAPL PIPELINE CROSSING 141ST AVENUE NW (UNIMPROVED)

McKENZIE COUNTY		NORTH DAKOTA	
DRAWN BY: RG	DATE: 06/23/15	DWG. NO.	REV.
CHECKED BY: VF	DATE: 06/29/15	ND-MC-048.300.900	A
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MCKENZIE COUNTY\103957-PB-0-048.300.900.dwg PLOT DATE: 7/1/2015 BY: HARBOLT, JASON

PERMIT TO CONSTRUCT AN APPROACH TO A COUNTY MAINTAINED ROAD

Revised Application Effective May 12, 2014

Dalcota Access, LLC of 1300 main street, Houston, TX 77002
 Approach Owner Address, City, State & Zip

	Road where approach will be located	Section	Township (N)	Range (W)	Approach Type	If Multifamily, how many units? OR How many trucks per day?	For Official Use Only (Fee)
Approach 1	140 AVE NW	34	151	101	Temporary		100 ⁰⁰
Approach 2	140 AVE NW	35	151	101	Temporary		100 ⁰⁰
							Total Fee: 200 ⁰⁰

APPROACH USE

Farm / Field Access (FF)

Limited use. Access to farm land or a field.

Residential- Single Family (SF)

Moderate use. Access to a single family home or farm.

Residential- Multi Family (MF)

High use. Access to multiple homes, farms, temporary housing including work camps.

Commercial (CM)

High truck use. Access to a commercial/industrial installation.

Oil Pad (OP)

Moderate truck use. Access to an Oil Pad.

Site Name: _____

Email Address: _____

Temporary Pipeline Construction

CLAIRE CUNNINGHAM
 Printed Name of Authorized Agent of the Contractor or Approach Owner

802.989.2489
 Telephone Number

PERMIT APPROVED

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

Claire Cunningham
 Approach Owner or Agent Name for Approach Owner

802.989.2489
 Telephone Number

APR 09 2016

1100 Weiss Avenue
 Address

Bismarck, ND 58503
 Address
 City, State & Zip Code

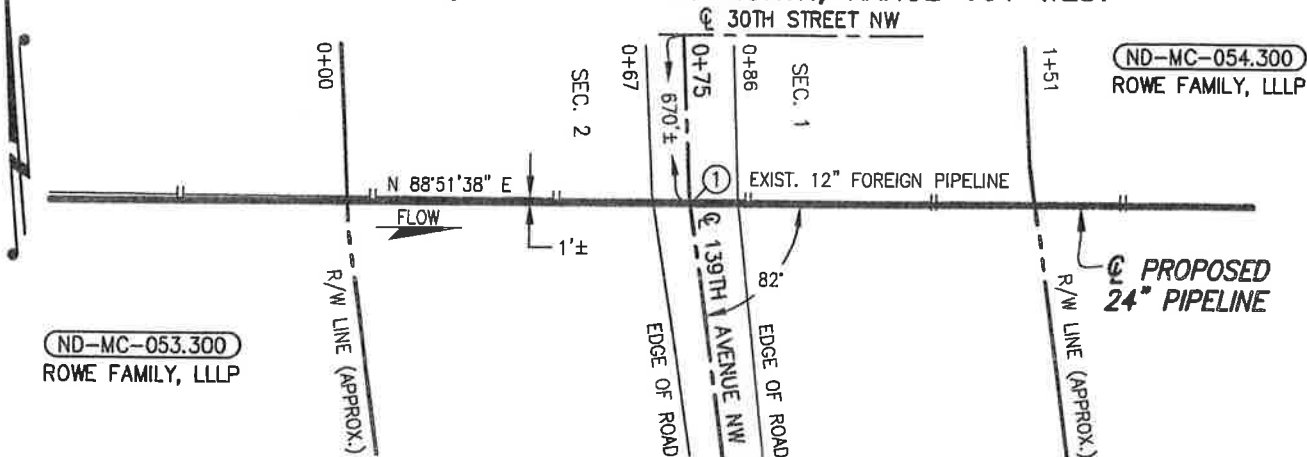


The Contractor must comply with all terms and conditions stated herein, especially the minimum engineering standards. Failure to comply with this CONDITIONAL CONSENT shall cause the consent to be rescinded and the Contractor must remove the approach from the right-of-way immediately or be responsible for the costs incurred by the County in removing the same. The County specifically reserves the right to remove the approach from right-of-way for non-compliance and reimbursement will be made to the County by the Contractor for doing the same.

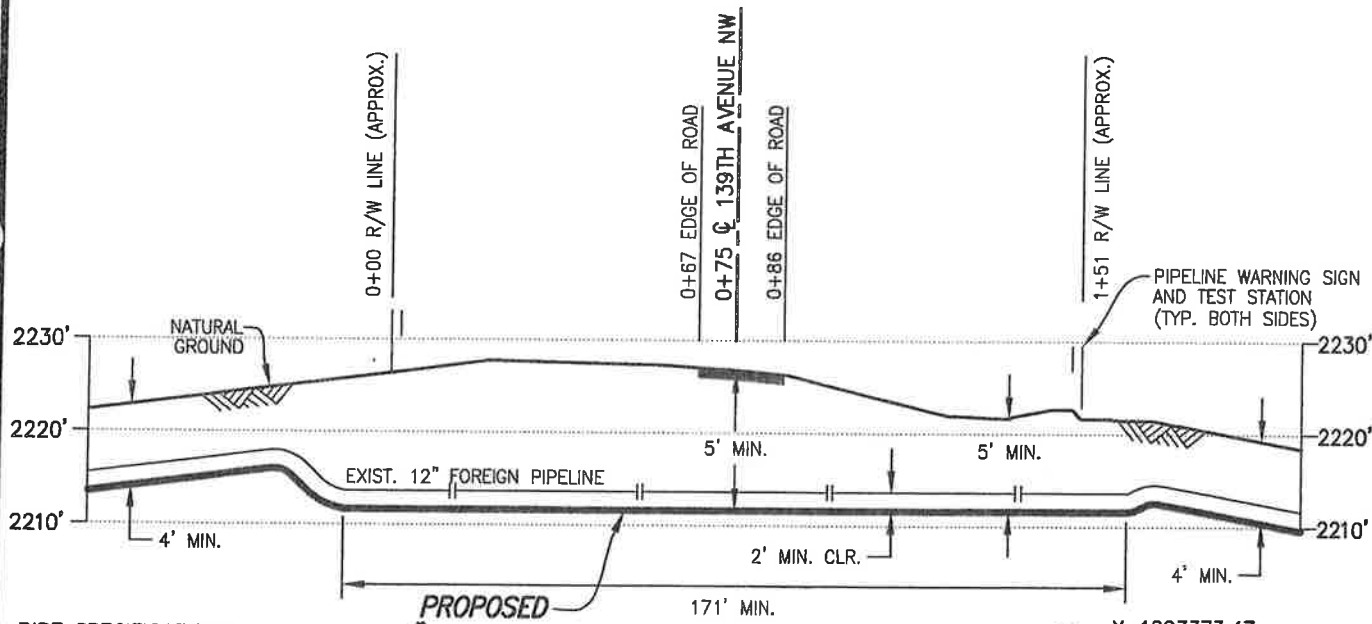
ND-MC-051.900
 140 AVE NW

McKENZIE COUNTY, NORTH DAKOTA

SECTIONS 1 & 2, TOWNSHIP 150 NORTH, RANGE 101 WEST



ND-MC-054.900
PLAN
SCALE: 1"=40'



PROFILE
SCALE: 1"=40' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS
PIPE 24" O.D. x 0.500" W.T.
API 5LX-70 ERW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI


① X=1993373.47
Y=17389201.41
DATUM:
ALL ELEVATIONS DERIVED FROM GPS
OBSERVATIONS (GEOID 2012, NAVD 88)
BEARINGS BASED ON UTM ZONE 13
NORTH AMERICAN DATUM 1983.
U.S. SURVEY FEET
T.B.M.: @ 139TH AVENUE NW
AT STA. 0+75, ELEV. 2226.75'

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93--PERMIT\NORTH DAKOTA\MCKENZIE COUNTY\103957-PB-C-054.900.dwg PLOT DATE: 10/26/2015 BY: MADAMBA, JOEY

REV.	DATE	BY	DESCRIPTION	CHK.
B	10/26/15	JTM	ISSUED FOR USE/PERMIT	RC
A	03/02/15	PRV	ISSUED FOR USE/PERMIT	RC

PROJECT NO. **10395700**

 **WOOD GROUP MUSTANG, INC.**
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

 DAKOTA ACCESS, LLC

**PROPOSED 24" DAPL PIPELINE CROSSING
139TH AVENUE NW**

MCKENZIE COUNTY NORTH DAKOTA

DRAWN BY: OP	DATE: 11/25/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-MC-054.900	B
SCALE: AS SHOWN	APP.:		

PERMIT TO CONSTRUCT AN APPROACH TO A COUNTY MAINTAINED ROAD

Revised Application Effective May 12, 2014

Dalcota Access, LLC of 1300 main street, Houston, TX 77002
 Approach Owner Address, City, State & Zip

	Road where approach will be located	Section	Township (N)	Range (W)	Approach Type	If Multifamily, how many units? OR How many trucks per day?	For Official Use Only (Fee)
Approach 1	CR#20	35	151	101	Temporary		160 ⁰⁰
Approach 2	CR#20	2	150	101	Temporary		100 ⁰⁰
Total Fee:							200⁰⁰

APPROACH USE

Farm / Field Access (FF)

Limited use. Access to farm land or a field.

Residential- Single Family (SF)

Moderate use. Access to a single family home or farm.

Residential-Multi Family (MF)

High use. Access to multiple homes, farms, temporary housing including work camps.

Commercial (CM)

High truck use. Access to a commercial/industrial installation.

Oil Pad (OP)

Moderate truck use. Access to an Oil Pad.

Site Name: _____

Email Address: _____

Temporary Pipeline Construction

CLAIRE CUNNINGHAM
 Printed Name of Authorized Agent of the Contractor or Approach Owner

802.989.2489
 Telephone Number

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

Claire Cunningham
 Approach Owner or Agent Name for Approach Owner

802.989.2489
 Telephone Number

1100 Weiss Avenue
 Address

Bismarck, ND 58503
 Address
 City, State & Zip Code

The Contractor must comply with all terms and conditions stated herein, especially the minimum engineering standards. Failure to comply with this CONDITIONAL CONSENT shall cause the consent to be rescinded and the Contractor must remove the approach from the right-of-way immediately or be responsible for the costs incurred by the County in removing the same. The County specifically reserves the right to remove the approach from right-of-way for non-compliance and reimbursement will be made to the County by the Contractor for doing the same.

PERMIT APPROVED
 APR 08 2016



*ND-MC-055-900
 CR # 20*

PERMIT TO CONSTRUCT AN APPROACH TO A COUNTY MAINTAINED ROAD

Revised Application Effective May 12, 2014

Dalcoata Access, LLC of 1300 main Street, Houston, TX 77002
 Approach Owner Address, City, State & Zip

	Road where approach will be located	Section	Township (N)	Range (W)	Approach Type	If Multifamily, how many units? OR How many trucks per day?	For Official Use Only (Fee)
Approach 1	138 AVE NW	1	150	101	Temporary		100 ⁰⁰
Approach 2	138 AVE NW	6	150	100	Temporary		100 ⁰⁰
Total Fee:							200 ⁰⁰

APPROACH USE

Farm / Field Access (FF)

Limited use. Access to farm land or a field.

Residential- Single Family (SF)

Moderate use. Access to a single family home or farm.

Residential- Multi Family (MF)

High use. Access to multiple homes, farms, temporary housing including work camps.

Commercial (CM)

High truck use. Access to a commercial/industrial installation.

Oil Pad (OP)

Moderate! truck use. Access to an Oil Pad.

Temporary pipeline construction

Site Name: _____

Email Address: _____

CLAIRE CUNNINGHAM
 Printed Name of Authorized Agent of the Contractor or Approach Owner

802-989-2489
 Telephone Number

PERMIT APPROVED

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

Claire Cunningham
 Approach Owner or Agent Name for Approach Owner

802-989-2489
 Telephone Number

APR 03 2015

1100 Weiss Avenue
 Address

Bismarck, ND 58503
 Address
 City, State & Zip Code



The Contractor must comply with all terms and conditions stated herein, especially the minimum engineering standards. Failure to comply with this CONDITIONAL CONSENT shall cause the consent to be rescinded and the Contractor must remove the approach from the right-of-way immediately or be responsible for the costs incurred by the County in removing the same. The County specifically reserves the right to remove the approach from right-of-way for non-compliance and reimbursement will be made to the County by the Contractor for doing the same.

ND-MC-056.900
 138 AVE NW

PERMIT TO CONSTRUCT AN APPROACH TO A COUNTY MAINTAINED ROAD

Revised Application Effective May 12, 2014

Dalcota Access, LLC of 1300 Main Street, Houston, TX 77002
 Approach Owner Address, City, State & Zip

	Road where approach will be located	Section	Township (N)	Range (W)	Approach Type	If Multifamily, how many units? OR How many trucks per day?	For Official Use Only (Fee)
Approach 1	CR# 17	6	150	100	Permanent Value site		500 ⁰⁰
Approach 2	CR# 17	5	150	100	Temporary Pipeline construction		100 ⁰⁰
Total Fee:							600 ⁰⁰

APPROACH USE

Farm / Field Access (FF)

Limited use. Access to farm land or a field.

Residential- Single Family (SF)

Moderate use. Access to a single family home or farm.

Residential- Multi Family (MF)

High use. Access to multiple homes, farms, temporary housing including work camps.

Commercial (CM)

High truck use. Access to a commercial/industrial installation.

Oil Pad (OP)

Moderate truck use. Access to an Oil Pad.

Site Name: _____

Email Address: _____

Permanent To Value site

Temporary Pipeline Construction

CLAIRE CUNNINGHAM
 Printed Name of Authorized Agent of the Contractor or Approach Owner

802.989.2489
 Telephone Number

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

Claire Cunningham
 Approach Owner or Agent Name for Approach Owner

802.989.2489
 Telephone Number

1100 Weiss Avenue
 Address

Bismarck, ND 58503
 Address
 City, State & Zip Code

PERMIT APPROVED

APR 20 2016

Approval Stamp

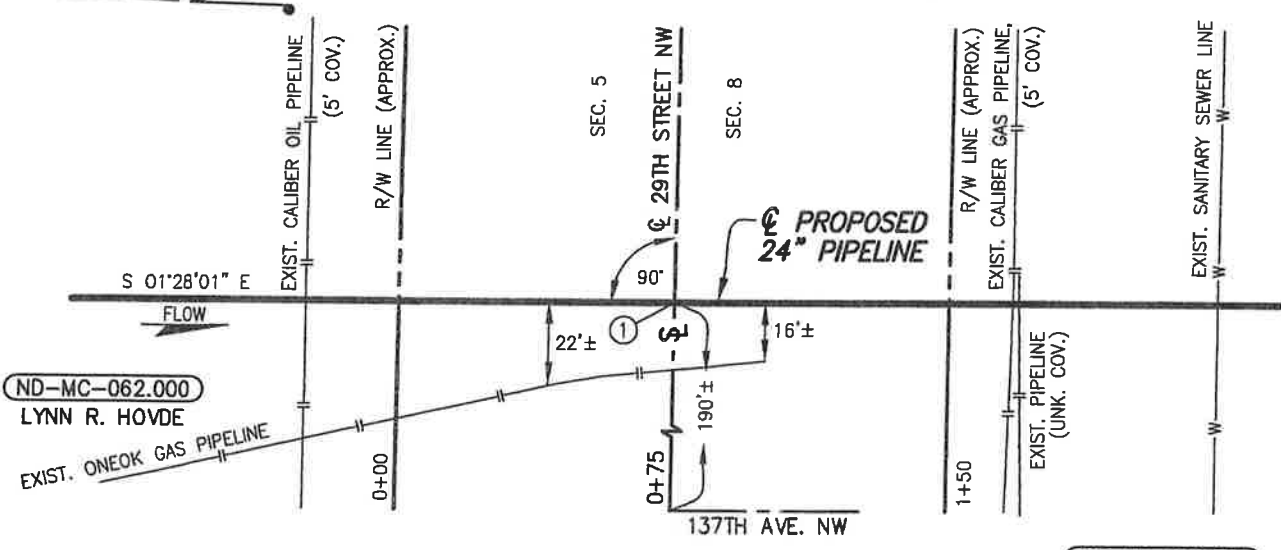


ND-MC-061.900
 CR # 17

The Contractor must comply with all terms and conditions stated herein, especially the minimum engineering standards. Failure to comply with this CONDITIONAL CONSENT shall cause the consent to be rescinded and the Contractor must remove the approach from the right-of-way immediately or be responsible for the costs incurred by the County in removing the same. The County specifically reserves the right to remove the approach from right-of-way for non-compliance and reimbursement will be made to the County by the Contractor for doing the same.

McKENZIE COUNTY, NORTH DAKOTA

SECTIONS 5 & 8, TOWNSHIP 150 NORTH, RANGE 100 WEST

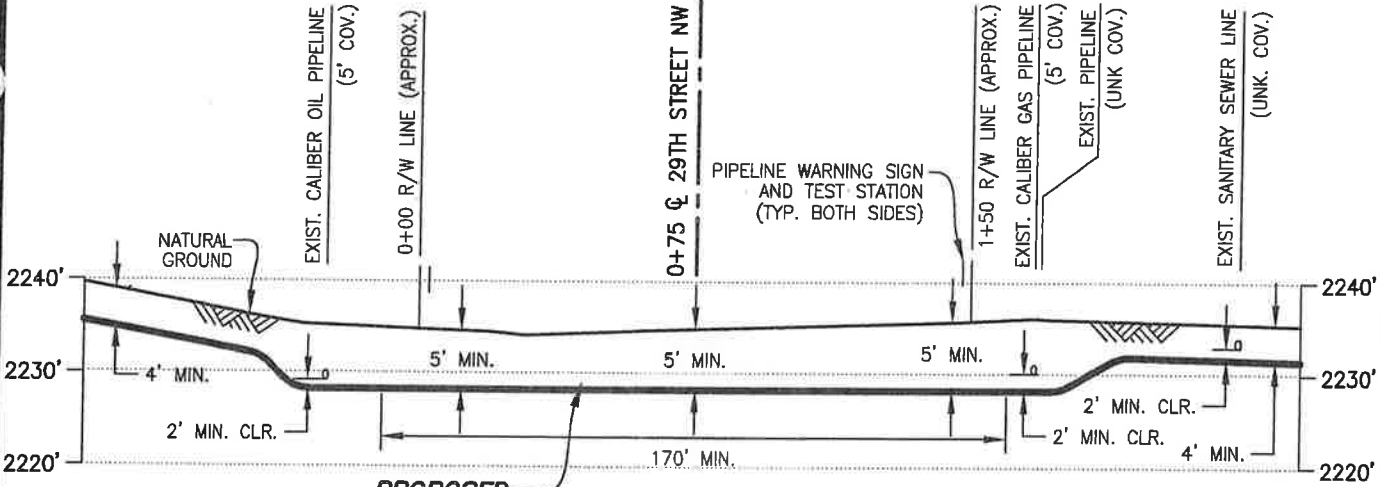


ND-MC-063.900

ND-MC-062.001
LYNN R. HOVDE

PLAN

SCALE: 1"=50'



PROPOSED 24" PIPELINE

PROFILE

SCALE: 1"=50' HORIZ.
1"=20' VERT.

① X=2004128.85
Y=17384797.19

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 29TH STREET NW AT STA. 0+75, ELEV. 2234.87'

PIPE SPECIFICATIONS
PIPE 24" O.D. x 0.500" W.T.
API 5LX-70 ERW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
B	12/23/15	RG	ISSUED FOR USE/PERMIT	RC
A	03/02/15	MS	ISSUED FOR USE/PERMIT	RC



DAKOTA ACCESS, LLC

PROPOSED 24" DAPL PIPELINE CROSSING 29TH STREET NW

PROJECT NO. 10395700

McKENZIE COUNTY NORTH DAKOTA



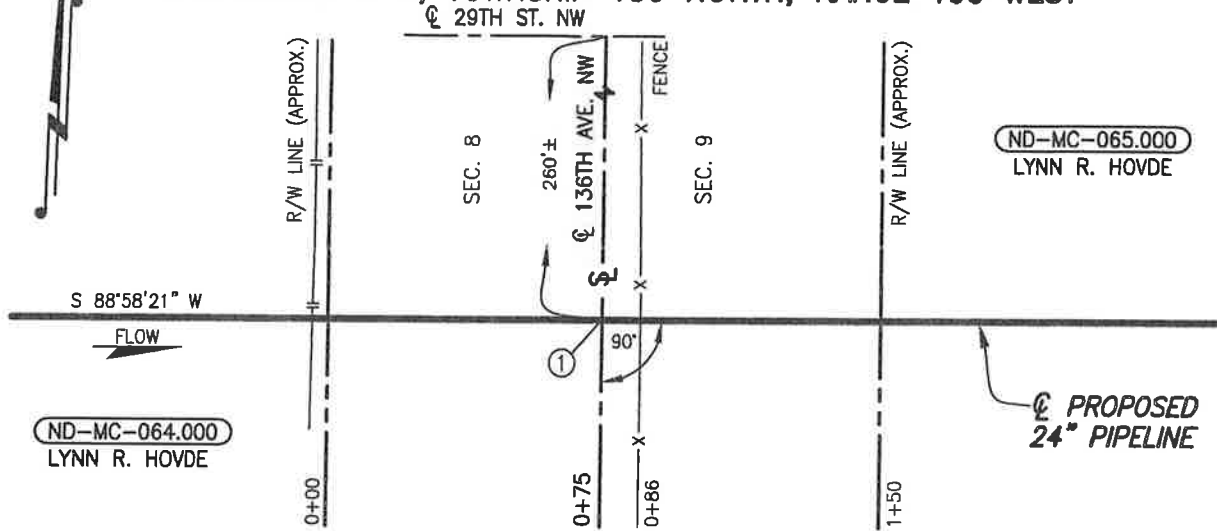
WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DRAWN BY: PM	DATE: 02/27/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-MC-063.900	B
SCALE: AS SHOWN	APP.: RC		

FILE: \\must\j.com\gbl\HOU\Pipeline\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\w IE COUNTY\103957-PB-ND-MC-063.900.dwg PLOT DATE: 12/23/2015 BY: MUALLEM, MIKE

McKENZIE COUNTY, NORTH DAKOTA

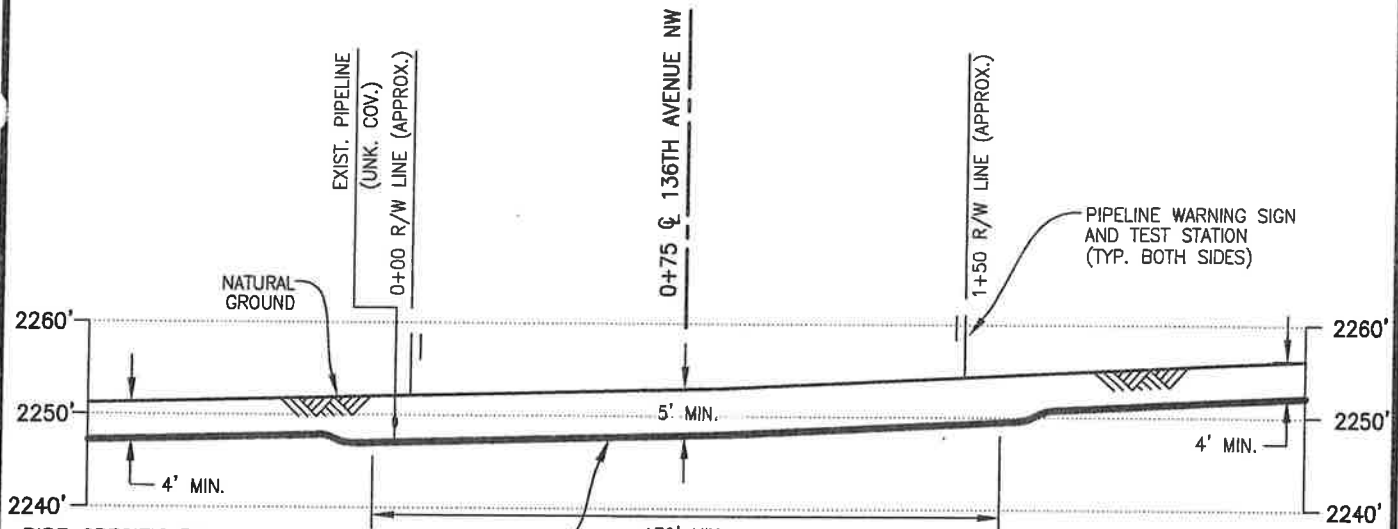
SECTIONS 8 & 9, TOWNSHIP 150 NORTH, RANGE 100 WEST



ND-MC-064.900

PLAN

SCALE: 1"=50'



PIPE SPECIFICATIONS
 PIPE 24" O.D. x 0.500" W.T.
 API 5LX-70 ERW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROPOSED 24" PIPELINE

PROFILE
 SCALE: 1"=50' HORIZ.
 1"=20' VERT.

① X=2009217.27
 Y=17384638.98

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 13
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: FENCE
 AT STA. 0+90, ELEV. 2252.99'

REV.	DATE	BY	DESCRIPTION	CHK.
C	12/21/15	OP	ISSUED FOR USE/PERMIT	RC
B	03/02/15	MS	ISSUED FOR USE/PERMIT	RC
A	02/27/15	MS	ISSUED FOR REVIEW	



DAKOTA ACCESS, LLC

PROPOSED 24" DAPL PIPELINE CROSSING 136TH AVENUE NW

PROJECT NO. 10395700

McKENZIE COUNTY

NORTH DAKOTA



WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DRAWN BY: MS

DATE: 02/27/15

DWG. NO.

REV.

CHECKED BY: RC

DATE: 03/02/15

SCALE: AS SHOWN

APP.:

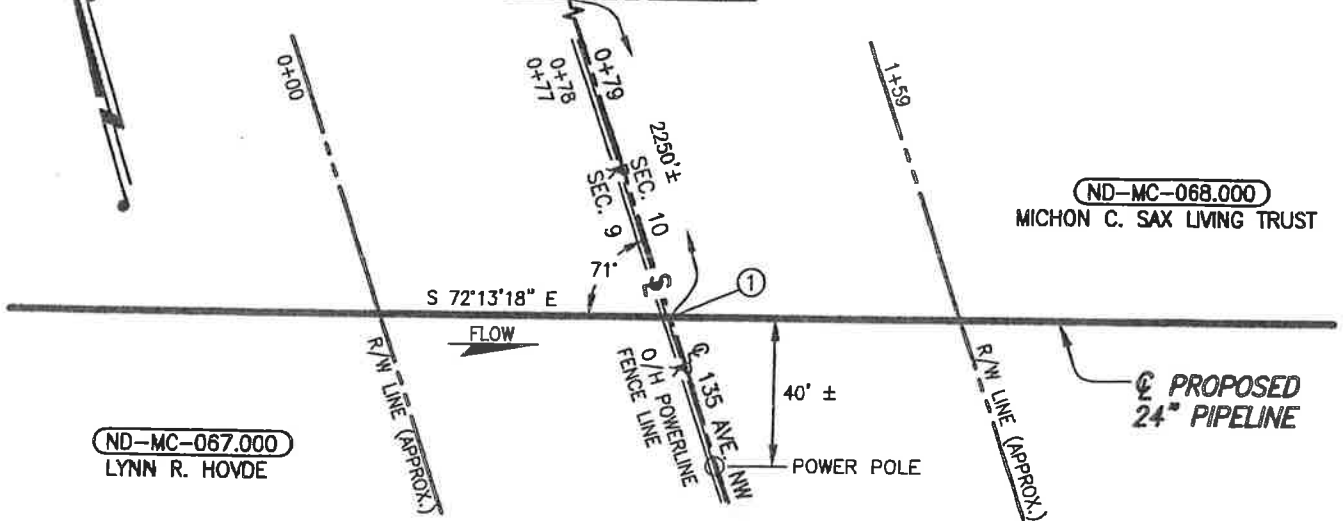
ND-MC-064.900

C

McKENZIE COUNTY, NORTH DAKOTA

SECTIONS 9 & 10, TOWNSHIP 150 NORTH, RANGE 100 WEST

☉ 29TH STREET NW



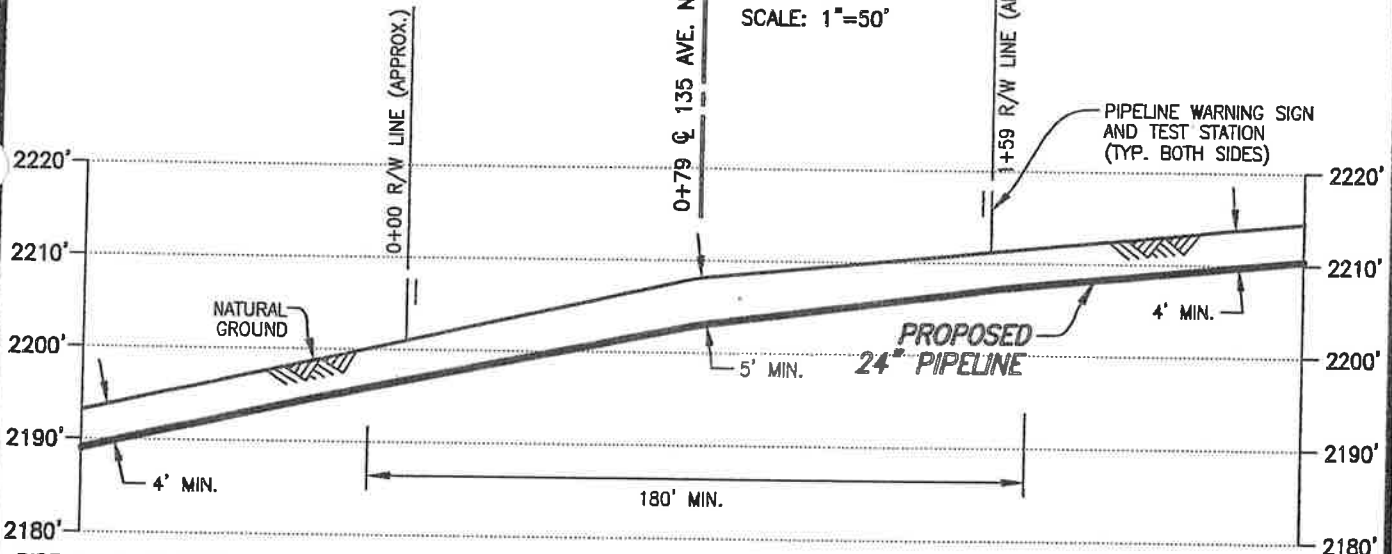
ND-MC-068.000
MICHON C. SAX LIVING TRUST

ND-MC-067.000
LYNN R. HOVDE

ND-MC-067.910

PLAN

SCALE: 1"=50'



PROFILE

SCALE: 1"=50' HORIZ.
1"=20' VERT.

① X=2014533.83
Y=17382733.06

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 13 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: ☉ 135 AVE NW
AT STA. 0+79, ELEV. 2208.17'

PIPE SPECIFICATIONS

PIPE 24" O.D. x 0.500" W.T.
API 5LX-70 ERW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI



DAKOTA ACCESS, LLC

PROPOSED 24" DAPL PIPELINE CROSSING 135 AVENUE NW

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/02/15	MS	ISSUED FOR USE/PERMIT	RC

PROJECT NO. **10395700**

McKENZIE COUNTY		NORTH DAKOTA	
DRAWN BY: JTM	DATE: 02/27/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-MC-067.910	A
SCALE: AS SHOWN	APP.:		



WOOD GROUP MUSTANG, INC.

NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MCKENZIE COUNTY\103957-PB-3--067.910.dwg PLOT DATE: 3/2/2015 BY: VILLARREAL, PHIL

PERMIT TO CONSTRUCT AN APPROACH TO A COUNTY MAINTAINED ROAD

Revised Application Effective May 12, 2014

Dalco Access, LLC of 1300 Main Street, Houston, TX 77002
 Approach Owner Address, City, State & Zip

	Road where approach will be located	Section	Township (N)	Range (W)	Approach Type	If Multifamily, how many units? OR How many trucks per day?	For Official Use Only (Fee)
Approach 1	CR#29	10	150	100	Temporary		100 ⁰⁰
Approach 2	CR#29	11	150	100	Temporary		100 ⁰⁰
Total Fee:							200 ⁰⁰

APPROACH USE

Farm / Field Access (FF)

Limited use. Access to farm land or a field.

Residential- Single Family (SF)

Moderate use. Access to a single family home or farm.

Residential- Multi Family (MF)

High use. Access to multiple homes, farms, temporary housing including work camps.

Commercial (CM)

High truck use. Access to a commercial/industrial installation.

Oil Pad (OP)

Moderate truck use. Access to an Oil Pad.

Site Name: _____

Email Address: _____

Temporary
Pipeline Construction

CLAIRE CUNNINGHAM
 Printed Name of Authorized Agent of the Contractor or Approach Owner

802.989.2489
 Telephone Number

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

Claire Cunningham
 Approach Owner or Agent Name for Approach Owner

802.989.2489
 Telephone Number

1100 Weiss Avenue
 Address

Bismarck, ND 58503
 Address City, State & Zip Code

The Contractor must comply with all terms and conditions stated herein, especially the minimum engineering standards. Failure to comply with this CONDITIONAL CONSENT shall cause the consent to be rescinded and the Contractor must remove the approach from the right-of-way immediately or be responsible for the costs incurred by the County in removing the same. The County specifically reserves the right to remove the approach from right-of-way for non-compliance and reimbursement will be made to the County by the Contractor for doing the same.

PERMIT APPROVE

APR 1 2016



ND-MC-070.900
CR # 29

PERMIT TO CONSTRUCT AN APPROACH TO A COUNTY MAINTAINED ROAD

Revised Application Effective May 12, 2014

Dalcota Access, LLC of 1300 Main Street, Houston, TX 77002
 Approach Owner Address, City, State & Zip

	Road where approach will be located	Section	Township (N)	Range (W)	Approach Type	If Multifamily, how many units? OR How many trucks per day?	For Official Use Only (Fee)
Approach 1	28 St. NW	12	150	100	Temporary		100
Approach 2	28 St. NW	13	150	100	Temporary		100
Total Fee:							200

APPROACH USE

Farm / Field Access (FF)

Limited use. Access to farm land or a field.

Residential- Single Family (SF)

Moderate use. Access to a single family home or farm.

Residential- Multi Family (MF)

High use. Access to multiple homes, farms, temporary housing including work camps.

Commercial (CM)

High truck use. Access to a commercial/industrial installation.

Oil Pad (OP)

Moderate truck use. Access to an Oil Pad.

Site Name: _____

Email Address: _____

CLAIRE CUNNINGHAM

Printed Name of Authorized Agent of the Contractor or Approach Owner

802.989.2489

Telephone Number

PERMIT APPROVED

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

Claire Cunningham

Approach Owner or Agent Name for Approach Owner

802.989.2489

Telephone Number

APR 13 2016

1100 Weiss Avenue

Address

Address

Bismarck, ND 58503

City, State & Zip Code

The Contractor must comply with all terms and conditions stated herein, especially the minimum engineering standards. Failure to comply with this CONDITIONAL CONSENT shall cause the consent to be rescinded and the Contractor must remove the approach from the right-of-way immediately or be responsible for the costs incurred by the County in removing the same. The County specifically reserves the right to remove the approach from right-of-way for non-compliance and reimbursement will be made to the County by the Contractor for doing the same.



ND-MC-073.900
28 St. NW

PERMIT TO CONSTRUCT AN APPROACH TO A COUNTY MAINTAINED ROAD

Revised Application Effective May 12, 2014

Dalcota Access, LLC of 1300 Main Street, Houston, TX 77002
 Approach Owner Address, City, State & Zip

	Road where approach will be located	Section	Township (N)	Range (W)	Approach Type	If Multifamily, how many units? OR How many trucks per day?	For Official Use Only (Fee)
Approach 1	133 Ave NW	11	150	100	Temporary		100
Approach 2	133 Ave NW	12	150	100	Temporary		100
Total Fee:							200

APPROACH USE

Farm / Field Access (FF)

Limited use. Access to farm land or a field.

Residential- Single Family (SF)

Moderate use. Access to a single family home or farm.

Residential- Multi Family (MF)

High use. Access to multiple homes, farms, temporary housing including work camps.

Commercial (CM)

High truck use. Access to a commercial/industrial installation.

Oil Pad (OP)

Moderate! truck use. Access to an Oil Pad.

Site Name: _____

Email Address: _____

Temporary Pipeline construction

CLAIRE CUNNINGHAM
 Printed Name of Authorized Agent of the Contractor or Approach Owner

802.989.2489
 Telephone Number

PERMITS APPROVED

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

Claire Cunningham
 Approach Owner or Agent Name for Approach Owner

802.989.2489
 Telephone Number

APR 10 2015

1100 Weiss Avenue
 Address

Bismarck, ND 58503
 Address
 City, State & Zip Code



The Contractor must comply with all terms and conditions stated herein, especially the minimum engineering standards. Failure to comply with this CONDITIONAL CONSENT shall cause the consent to be rescinded and the Contractor must remove the approach from the right-of-way immediately or be responsible for the costs incurred by the County in removing the same. The County specifically reserves the right to remove the approach from right-of-way for non-compliance and reimbursement will be made to the County by the Contractor for doing the same.

ND-mc-073.910
 133 AVE NW

PERMIT TO CONSTRUCT AN APPROACH TO A COUNTY MAINTAINED ROAD

Revised Application Effective May 12, 2014

Dalcoata Access, LLC of 1300 main street, Houston, TX 77002
 Approach Owner Address, City, State & Zip

	Road where approach will be located	Section	Township (N)	Range (W)	Approach Type	If Multifamily, how many units? OR How many trucks per day?	For Official Use Only (Fee)
Approach 1	132 AVE NW	13	150	100	Temporary		100-
Approach 2	132 AVE NW	18	150	99	Temporary		100-
Total Fee:							200-

APPROACH USE

Farm / Field Access (FF)

Limited use. Access to farm land or a field.

Residential- Single Family (SF)

Moderate use. Access to a single family home or farm.

Residential- Multi Family (MF)

High use. Access to multiple homes, farms, temporary housing including work camps.

Commercial (CM)

High truck use. Access to a commercial/industrial installation.

Oil Pad (OP)

Moderate truck use. Access to an Oil Pad.

Site Name: _____

Email Address: _____

Temporary Pipeline Construction

CLAIRE CUNNINGHAM

Printed Name of Authorized Agent of the Contractor or Approach Owner

802.989.2489

Telephone Number

PERMIT APPROVED

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

Claire Cunningham

Approach Owner or Agent Name for Approach Owner

802.989.2489

Telephone Number

APR 15 2015

1100 Weiss Avenue

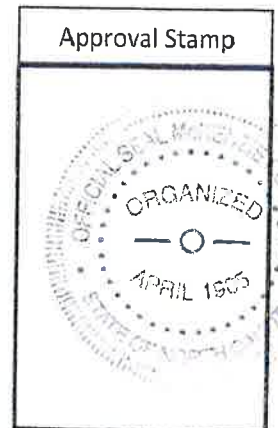
Address

Address

Bismarck, ND 58503

City, State & Zip Code

The Contractor must comply with all terms and conditions stated herein, especially the minimum engineering standards. Failure to comply with this CONDITIONAL CONSENT shall cause the consent to be rescinded and the Contractor must remove the approach from the right-of-way immediately or be responsible for the costs incurred by the County in removing the same. The County specifically reserves the right to remove the approach from right-of-way for non-compliance and reimbursement will be made to the County by the Contractor for doing the same.



MD-MC-076-900
132 AVE. NW

PERMIT TO CONSTRUCT AN APPROACH TO A COUNTY MAINTAINED ROAD

Revised Application Effective May 12, 2014

Dalcota Access, LLC of 1300 Main Street, Houston, TX 77002
 Approach Owner Address, City, State & Zip

	Road where approach will be located	Section	Township (N)	Range (W)	Approach Type	If Multifamily, how many units? OR How many trucks per day?	For Official Use Only (Fee)
Approach 1	CR# 31	19	150	99	Temporary		100-
Approach 2	CR# 31	20	150	99	Temporary		100-
Total Fee:							200-

APPROACH USE

Farm / Field Access (FF)

Limited use. Access to farm land or a field.

Residential- Single Family (SF)

Moderate use. Access to a single family home or farm.

Residential- Multi Family (MF)

High use. Access to multiple homes, farms, temporary housing including work camps.

Commercial (CM)

High truck use. Access to a commercial/industrial installation.

Oil Pad (OP)

Moderate truck use. Access to an Oil Pad.

Site Name: _____

Email Address: _____

CLAIRE CUNNINGHAM

Printed Name of Authorized Agent of the Contractor or Approach Owner

802.989.2489

Telephone Number

PERMIT APPROVED

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

Claire Cunningham

Approach Owner or Agent Name for Approach Owner

802.989.2489

Telephone Number

APR 13 2015

1100 Weiss Avenue

Address

Address

Bismarck, ND 58503

City, State & Zip Code

The Contractor must comply with all terms and conditions stated herein, especially the minimum engineering standards. Failure to comply with this CONDITIONAL CONSENT shall cause the consent to be rescinded and the Contractor must remove the approach from the right-of-way immediately or be responsible for the costs incurred by the County in removing the same. The County specifically reserves the right to remove the approach from right-of-way for non-compliance and reimbursement will be made to the County by the Contractor for doing the same.



ND-MC-079.516.900
CR #31

1

UTILITY OCCUPANCY APPLICATION AND PERMIT
North Dakota Department of Transportation, Design
SFN 7995 (2-2016)

FOR STATE USE ONLY (Type or Print)

RIMS Document Number 73089	Contract Number 671601067	District Tracking Number 7-085-147.8561
-------------------------------	------------------------------	--

APPLICANT INFORMATION

Authorized Utility Agent (must be same as signatory for permit)

Company Name Dakota Access	Contact Name Robert Rose	Telephone Number 832-608-1485
Mailing Address 1300 Main Street	City Houston	State TX ZIP Code 77002

Preparer - Consultant

Company Name Wood Group Mustang	Contact Name Jenni Sherrill	Telephone Number 703-510-3412
Mailing Address 1100 Weiss Avenue	City Bismarck	State ND ZIP Code 58503

Utility Contractor

Company Name Precision Pipeline, LLC	Contact Name Jim Crawford	Telephone Number 715-410-0988
Mailing Address 3314 56th Street	City Eau Claire	State WI ZIP Code 54603

TYPE OF FACILITY (Complete appropriate space only.)

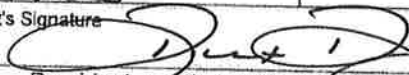
Description of Proposed Facility Cathodically Protected Steel Crude Oil Pipeline		
Size of Facility 24" OD x 0.500" WT	Number of Cables	Length of Down Guys
Pipeline Pressure MDP: 1440 PSIG	Size of Casing	Length of Casing
Location of Pole(s)	Location of Appurtenances	Location - Others

TERMS AND CONDITIONS: Installation and maintenance of said facilities on highway right of way shall be subject to the North Dakota Department of Transportation's (NDDOT's) "A Policy for Accommodation of Utilities on State Highway Right of Way", current edition, and the following terms and conditions, attached hereto and made a part hereof.

The installation shall be completed on or before: Date May 2017

See page 2 for additional Terms and Conditions.

APPROVAL


Company Name (Utility Agency) DAKOTA ACCESS, LLC	Authorized Utility Agent Name (Type or Print) ROBERT ROSE	Authorize Agent Title Vice President, Land and Right of Way
Date 2/24/16	Authorized Agent's Signature 	

To be signed by Owner, Partner, Corporate President, Vice President, or other authorized Corporate Officer. If signed by other authorized Corporate Officer, please attach copy of Power of Attorney or other documentation showing authority to sign.

The Owner is hereby granted permission to install and maintain the facilities applied for, as shown on the plans attached hereto, and made a part hereof

NDDOT Approved Date 4/19/16

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION

District Engineer (Type or Print) JELM. WILT	District Engineer Signature 
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ND-MC-081.502.900

R

- (A) Installation/maintenance of said facilities shall be done in a manner satisfactory to the NDDOT district engineer.
- (B) Owner shall notify the NDDOT district engineer forty-eight (48) hours prior to installing, maintaining, relocating, or removing said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the NDDOT district engineer.
- (C) The owner shall be required to wear an ANSI/ISEA 107-2010 Class II high visibility garment while within the highway right-of-way as per the requirements of 23 CFR 634.
- (D) Owner shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way, which may be damaged as a result of the installation and maintenance of said facilities on highway right of way.
- (E) The Risk Management Appendix, attached, is hereby incorporated and made a part of this agreement.
- (F) Owner shall promptly remove said facilities from highway right of way, or shall relocate or adjust said facilities, at its sole cost and expense when requested to do so by NDDOT. The owner may be held responsible for delay costs caused by the owner's failure to use reasonable efforts to relocate or adjust facilities in a timely manner.
- (G) NDDOT specifically reserves the right to revoke, or change the terms and conditions of, this Permit with or without cause and upon notice to the Owner.
- (H) The Owner, for him or herself, his or her personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree that (1) no person, on the grounds of race, color, national origin, will be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities, (2) that in the construction of any improvements on, over, or under such land and the furnishing of services thereon, no person, on the grounds of race, color, national origin, will be excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination, (3) that the Owner will use the premises in compliance with all other requirements imposed by or pursuant to the Acts and regulations, such that no person on the grounds of race, color, or national origin, will be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities set forth in this Assurance.
- That in the event of breach of any of the above Non discrimination covenants, the NDDOT will have the right to terminate this Permit and to enter or re-enter and repossess said land and the facilities thereon and hold the same as if said Permit had never been made or issued.
- (I) If the utility facility includes drain tile, a "Request for Drainage on Highway Rights of Way", state form number 50909, must be made in conjunction with this permit.
- (J) The Department's review and subsequent approval of this permit request does not relieve the applicant of the responsibility to comply with all Federal and State laws and regulations that govern, but are not limited to, the protection of wetlands, threatened and endangered species, and migratory birds. The applicant is responsible to comply with all Federal and State laws and regulations that govern the protection of cultural resources within the permit application area (e.g., S.106 of the National Historic Preservation Act, 36 CFR Part 800; ND Century Code 55-02-07; ND Century Code 55-03-01.1). The applicant shall be aware of the ND State burial law (ND Century code 23-06-27; Administrative Rule 40-02) and ensure compliance for any discovery of human remains within the permit request area.
- (K) The Contractor agrees that NDDOT's review of the utility relocation plans, specifications, calculations, and field inspections shall be solely for NDDOT purposes and not for the benefit of the Utility or any third party and shall not be deemed to mean that the Utility's design and construction is structurally sound and appropriate or meets applicable federal and state regulations, laws, or local ordinances, codes, or industry standards (collectively, "Requirements"). The Utility affirms that it has taken all of the actions necessary and required for the construction, operation, and maintenance of its facility authorized hereunder, including compliance with all Requirements."
- (L) Detailed location maps showing lateral offsets from roadway centerlines are required for a permit.

For State Use Only

District Tracking Number

Please attach detail location map for each Utility Location. Use multiple utility locations when changing lateral offsets.

Highway Number US 85 NP200		Utility Location <input type="checkbox"/> Along or <input checked="" type="checkbox"/> Across		For State Use Only				
Nearest City or Hwy Jct. Watson City		Direction (N, S, E, W) EAST	Approximate Miles From 4.5	Begin		End		
Begin	Reference Marker 141	Direction (N, S, E, W) WEST	Longitudinal Offset (feet) 1520	Location Number	Reference Pt MT. 8561	Offset	Reference Pt	Offset
	Direction From Centerline (N, S, E, W)		Lateral Offset (feet)	Reference Marker 148	Direction (N, S, E, W) EAST	Longitudinal Offset (feet) 165		
End	Direction From Centerline (N, S, E, W)		Lateral Offset (feet)	Direction From Centerline (N, S, E, W)		Lateral Offset (feet)		

$4520/5280 = 0.8561$

\$180/ft

NOTICE: The Recipient must comply with ALL applicable Federal, State and local laws, rules, regulations, codes, ordinances, etc., including, but not limited to North Dakota Century Code, Chapter 49-23. (ONE-CALL EXCAVATION NOTICE SYSTEM)

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right of way shall conform to the following provisions:

1. Within thirty (30) days after construction, maintenance, relocation, or removal of said facilities, any right of way scars shall be removed and disturbed areas restored to original condition. Existing topsoil shall be removed prior to excavation and stockpiled until all disturbed areas are restored to original grade. The stockpiled topsoil shall be evenly and smoothly replaced over the areas disturbed by the trenches or pits.
2. Vehicles and other work equipment used to install or maintain said facilities within highway right of way shall, where possible, use established access points, service roads, driveways and approaches to enter or leave the outer portion of the right of way for the performance of necessary work operations. Such vehicles and work equipment shall not be parked on the through-traffic lanes or shoulders of the highway during installation or maintenance of said facilities. **The parking of equipment, vehicles, and storing of materials in the median on divided roadways is not permitted. On all roadways, parking and storing of materials may be permitted only if equipment, vehicles and material are located a minimum of 60 feet from the outside edge of the driving lane.**
3. Protection to the free and safe flow of the highway traffic shall be as required in accordance with the "Manual on Uniform Traffic Control Devices", current edition.
4. The Recipient will notify the District Engineer of the Department of Transportation forty-eight (48) hours prior to beginning this installation. Immediately following the final clean up of the area, the Recipient shall again notify the District Engineer of the Department of Transportation.
5. The Department of Transportation may not be the total fee owner and does not warrant the title to the highway right of way covered by the terms of this permit. The Recipient shall be responsible for reviewing the public records to determine ownerships and any encumbrances to the title of the properties covered by the terms of this permit.
6. Trenches and pits opened within the right of way shall be cut to O.S.H.A. Standards and shall be of minimum width necessary to accommodate installation of said facilities. **Trenches and Pits shall not be left open overnight, or unattended. Slopes shall not have more than a 2" drop off, all slopes shall be 4:1.**
7. Trenches and pits opened within the right of way shall be backfilled with the same material originally in place, compacted to a density equal to that of the adjacent undisturbed soil and restored to the original grade. The backfill shall be tamped in layers not exceeding six (6) inches in compacted thickness. Consolidation of the backfill by saturation or ponding is not permissible.

8. The pipeline shall have a minimum of thirty-six (36) inches of cover within highway right of way.
9. On longitudinal installations, where the buried cable or pipe is installed by plowing, the plowed ridges shall be mechanically compacted and made flush with the original ground.
10. Casing pipe, where installed, shall extend a minimum of two (2) feet beyond the toe of the highway inslopes. The casing pipe shall be sealed at both ends to prevent formation of a waterway through the casing.
11. The pipeline shall be installed under the surfaced section of the highway by boring or jacking pipe through the roadbed between the clear zone limits. Wet boring or jetting of the pipe under the roadway is not permissible.
12. The diameter of the hole for bored or jacked installations shall not exceed by more than one (1) inch the outside diameter of the facility. Oversized bores, overbreaks, and unused holes shall be backfilled with grout.
13. The location of the pipeline crossing shall be indicated by a marker post installed on each side of the highway at the right of way line. An identification sign shall be attached to one of the marker posts showing the name, address, and telephone number of the pipeline company.
14. The Department of Transportation shall be notified in advance of any proposed change in the type of transmittant carried by the pipeline, or any increase in the maximum working pressure specified in the application for the permit.
15. The casing pipe shall be continuous and shall extend a minimum of two (2) feet beyond the clear zone or two (2) feet beyond the toes of outer inslopes of the highway, whichever is further from the highway center line. The casing pipe shall be adequately sealed at both ends with suitable material that will prevent the formation of a waterway.
16. Casing is not required if approved extra wall thickness pipe is installed.
17. The Recipient shall indemnify, save, hold harmless, the State of North Dakota, its agencies, offices and employees, from any and all claims of any nature arising from any direct, indirect, or consequential damage to real property or business, including all costs, expenses, and attorney's fees, which may in any manner arise out of or result from this project.
18. The topsoil will be replaced on all disturbed areas and seeded as determined below (provide a temporary cover crop):

Seed Class Mix Requirements		
Class II – Early Season		
Grass Species	Variety	Pounds Pure Live Seed Per Acre

Western Wheatgrass	Rodan, Rosana, Walsh, Flintlock, W.R. Poole, Recovery	9.6
Switchgrass	Dacotah, Forestburg, or Sunburst, Summer	3.2
Green Needlegrass	Lodorm, AC Mallard, Fowler	2.4
Sideoats Grama	Killdeer, Pierre, Butte	3.6
Slender Wheatgrass	Revenue, Primar, Adanac, Pryor, Firstrike	5.0
Total		23.8

Seed Class Mix Requirements		
Class II – Late Season		
Grass Species	Variety	Pounds Pure Live Seed Per Acre
Western Wheatgrass	Rodan, Rosana, Walsh, Flintlock, W.R. Poole, Recovery	9.6
Switchgrass	Dacotah, Forestburg, or Sunburst, Summer	1.6
Green Needlegrass	Lodorm, AC Mallard, Fowler	3.6
Canada Wild-rye	Mandan	5.2
Slender Wheatgrass	Revenue, Primar, Adanac, Pryor, Firstrike	5.0
Total		25.0

BY

Risk Management Appendix

Permits and Licenses with Private Individuals, Companies, Corporations, Etc. (referred to as Recipient):

Recipient agrees to defend, indemnify, and hold harmless the state of North Dakota, its agencies, officers and employees (State), from and against claims based on the vicarious liability of the State or its agents, but not against claims based on the State's contributory negligence, comparative and/or contributory negligence or fault, sole negligence, or intentional misconduct. The legal defense provided by the Recipient to the State under this provision must be free of any conflicts of interest, even if retention of separate legal counsel for the State is necessary. Recipient also agrees to defend, indemnify, and hold the State harmless for all costs, expenses and attorneys' fees incurred if the State prevails in an action against the Recipient in establishing and litigating the indemnification coverage provided herein. This obligation shall continue after the termination of this agreement.

Recipient shall secure and keep in force during the term of this agreement, from insurance companies, government self-insurance pools or government self-retention funds authorized to do business in North Dakota, the following insurance coverages:

- 1) **Commercial general liability and automobile liability insurance** – minimum limits of liability required are **\$250,000 per person and \$1,000,000 per occurrence.**
- 2) **Workers compensation insurance** meeting all statutory limits.
- 3) The State of North Dakota and its agencies, officers, and employees (State) shall be endorsed as an **additional insured** on the commercial general liability and automobile liability policies.
- 4) Said endorsements shall contain a **"Waiver of Subrogation"** in favor of the state of North Dakota.
- 5) The policies and endorsements may not be canceled or modified without **thirty (30) days prior written notice** to the undersigned State representative.

Recipient shall furnish a certificate of insurance evidencing the requirements in 1, 3, and 4 above to the undersigned State representative prior to commencement of this agreement.

The State reserves the right to obtain complete, certified copies of all required insurance documents, policies, or endorsements at any time. If Recipient's insurance will expire prior to the term of this agreement, Recipient shall renew the above requirements and furnish a certificate of insurance evidencing the renewal to the undersigned State representative prior to the expiration of the insurance. Any attorney who represents the State under this policy must first qualify as and be appointed by the North Dakota Attorney General as a Special Assistant Attorney General as required under N.D.C.C. Section 54-12-08.

When a portion of a Contract is sublet, the Recipient shall obtain insurance protection (as outlined above) to provide liability coverage to protect the Recipient and the State as a result of work undertaken by the Subcontractor. In addition, the Recipient shall ensure that any and all parties performing work under the Contract are covered by public liability insurance as outlined above. All Subcontractors performing work under the Contract are required to maintain the same scope of insurance required of the Recipient. The Recipient shall be held responsible for ensuring compliance with those requirements by all Subcontractors.

Recipient's insurance coverage shall be primary (i.e., pay first) as respects any insurance, self-insurance or self-retention maintained by the State. Any insurance, self-insurance or self-retention maintained by the State shall be excess of the Recipient's insurance and shall not contribute with it. The insolvency or bankruptcy of the insured Recipient shall not release the insurer from payment under the policy, even when such insolvency or bankruptcy prevents the insured Recipient from meeting the retention limit under the policy. Any deductible amount or other obligations under the policy(ies) shall be the sole responsibility of the Recipient. This insurance may be in policy or policies of insurance, primary and excess, including the so-called umbrella or catastrophe form and be placed with insurers rated "A-" or better by A.M. Best Company, Inc. The State will be indemnified, saved, and held harmless to the full extent of any coverage actually secured by the Recipient in excess of the minimum requirements set forth above.

Dakota Access, LLC
1300 Main St.
Houston, TX 77002

Dear Permittee:

You have submitted to the North Dakota Department of Transportation (NDDOT), in connection with your certificate of insurance, additional pages or language on the certificate which either purports to limit or qualify the information reflected on the certificate of insurance or which purports to change, modify or amend your company's insurance policies. NDDOT policy is to not solicit, review or approve contractors' insurance policies, endorsements or amendments to insurance policies, or insurance documents other than properly completed certificates of insurance. NDDOT contracts specify that contractors are responsible for acquiring and maintaining specified coverages and proof of insurance.

Please have a company executive authorized to execute contract documents sign and date the statement below attesting that your company has insurance coverage consistent with the contract provisions and immediately fax and mail it back to us.

Be advised that execution of this contract will be delayed until these issues have been resolved.

Sincerely,

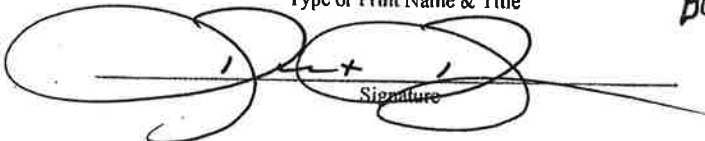
Joel M. Wilt
Williston District Engineer

UTILITY OCCUPANCY APPLICATION AND PERMIT

Dakota Access, LLC; states that the company has, and will maintain in force, insurance coverages (including proof of coverages) consistent with the contract specifications.

Date 2/24/16

ROBERT ROSE Vice President, Land and Right of Way
Type or Print Name & Title *BRW*


Signature

RIMS
1/30/16

D-1111-171 EM-900

DRIVEWAY APPLICATION & PERMIT

North Dakota Department of Transportation, Maintenance Division
SFN 5918 (Rev. 06-2015)

Permit Number 1612

District Number 67

Applicant DAKOTA ACCESS, LLC		Telephone Number	
Address 1300 MAIN STREET		City Houston	State TX
		ZIP Code 77002	

Driveway Information on State Highway Right of Way

Number of Driveways 2 Temp	<input type="checkbox"/> Private <input type="checkbox"/> Commercial	Direction <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W side of Route 200/85
Location approximately 4520' W of MP 147 on US 85 / ND 200 // RP 147.856		
Town	Highway US 85 / ND 200	Junction 4520' W of MP 147
Mile Marker Number 4520' W of MP 147		
Description of proposed work on state right of way and type of business served. 2 Temporary access drives on either side of US 85 / ND 200 approximately 4520' W of MP 147 for pipeline construction		

Applicant agrees that any permit issued and any entrance built or work done shall be in accordance with plans attached hereto and made a part hereof, and Permit Specifications printed on the reverse side of this sheet. If the applicant fails to construct the drive to the specified dimensions, including the proper culvert length and inslopes, the Department of Transportation, hereinafter referred to as NDDOT, will either cancel this permit and remove the drive or make the necessary corrections and the Applicant will reimburse NDDOT for such work.

These are temporary driveways that will be removed when pipeline construction is complete. Contact the District when removal is complete. No bridge structures, construct with earth only. Traffic Control is required and it must be removed during non-work hours.

APPLICANT:

Robert Rose
Name (Type or Print)
[Signature]
Signature
Vice President, Land and Right of Way
Title
1/29/16
Date

NORTH DAKOTA
DEPARTMENT OF TRANSPORTATION

Joel M. Wilt
District Engineer (Type or Print)
[Signature]
Signature
3/29/16
Date

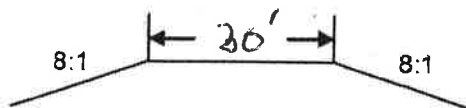
Permit granted:

Date

Construction shall be completed by:

Date **12/31/16**

Sketch:



ND-MG081-502900
US 85 / ND 200



ND-MC-081.502.900

ND 200
US 95

CLS LINK GIS Viewer



Contract

PERMIT TO CONSTRUCT AN APPROACH TO A COUNTY MAINTAINED ROAD

Revised Application Effective May 12, 2014

Dalcota Access, LLC of 1300 Main Street, Houston, TX 77002
 Approach Owner Address, City, State & Zip

	Road where approach will be located	Section	Township (N)	Range (W)	Approach Type	If Multifamily, how many units? OR How many trucks per day?	For Official Use Only (Fee)
Approach 1	26 St. NW	20	150	99	Temporary		100 ⁻
Approach 2	26 St. NW	29	150	99	Temporary		100 ⁻
Total Fee:							200 ⁻

APPROACH USE

Farm / Field Access (FF)

Limited use. Access to farm land or a field.

Residential- Single Family (SF)

Moderate use. Access to a single family home or farm.

Residential- Multi Family (MF)

High use. Access to multiple homes, farms, temporary housing including work camps.

Commercial (CM)

High truck use. Access to a commercial/industrial installation.

Oil Pad (OP)

Moderate! truck use. Access to an Oil Pad.

Temporary Pipeline Construction

Site Name: _____

Email Address: _____

CLAIRE CUNNINGHAM
 Printed Name of Authorized Agent of the Contractor or Approach Owner

802.989.2489
 Telephone Number

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

Claire Cunningham
 Approach Owner or Agent Name for Approach Owner

802.989.2489
 Telephone Number

1100 Weiss Avenue
 Address

Bismarck, ND 58503
 Address
 City, State & Zip Code

PERMIT APPROVED

APR 13 2016



The Contractor must comply with all terms and conditions stated herein, especially the minimum engineering standards. Failure to comply with this CONDITIONAL CONSENT shall cause the consent to be rescinded and the Contractor must remove the approach from the right-of-way immediately or be responsible for the costs incurred by the County in removing the same. The County specifically reserves the right to remove the approach from right-of-way for non-compliance and reimbursement will be made to the County by the Contractor for doing the same.

ND-MC-082.502.900
 26 St. NW

PERMIT TO CONSTRUCT AN APPROACH TO A COUNTY MAINTAINED ROAD

Revised Application Effective May 12, 2014

Dalcota Access, LLC of 1300 main street, Houston, TX 77002
 Approach Owner Address, City, State & Zip

	Road where approach will be located	Section	Township (N)	Range (W)	Approach Type	If Multifamily, how many units? OR How many trucks per day?	For Official Use Only (Fee)
Approach 1	1300ave NW	29	150	99	Temporary		100-
Approach 2	1300ave NW	28	150	99	Temporary		100-
Total Fee:							200-

APPROACH USE

Farm / Field Access (FF)

Limited use. Access to farm land or a field.

Residential- Single Family (SF)

Moderate use. Access to a single family home or farm.

Residential- Multi Family (MF)

High use. Access to multiple homes, farms, temporary housing including work camps.

Commercial (CM)

High truck use. Access to a commercial/industrial installation.

Oil Pad (OP)

Moderate truck use. Access to an Oil Pad.

Site Name: _____

Email Address: _____

Temporary Pipeline Construction

CLAIRE CUNNINGHAM
 Printed Name of Authorized Agent of the Contractor or Approach Owner

802.989.2489
 Telephone Number

PERMIT APPROVED

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

Claire Cunningham
 Approach Owner or Agent Name for Approach Owner

802.989.2489
 Telephone Number

APR 10 2016

1100 Weiss Avenue
 Address

Bismarck, ND 58503
 Address
 City, State & Zip Code



The Contractor must comply with all terms and conditions stated herein, especially the minimum engineering standards. Failure to comply with this CONDITIONAL CONSENT shall cause the consent to be rescinded and the Contractor must remove the approach from the right-of-way immediately or be responsible for the costs incurred by the County in removing the same. The County specifically reserves the right to remove the approach from right-of-way for non-compliance and reimbursement will be made to the County by the Contractor for doing the same.

ND-MC-084.500.900
 130 Ave NW

PERMIT TO CONSTRUCT AN APPROACH TO A COUNTY MAINTAINED ROAD

Revised Application Effective May 12, 2014

Dalcota Access, LLC of 1300 Main Street, Houston, TX 77002
Approach Owner Address, City, State & Zip

Table with 7 columns: Road where approach will be located, Section, Township (N), Range (W), Approach Type, If Multifamily, how many units? OR How many trucks per day?, For Official Use Only (Fee). Includes rows for Approach 1 and 2, and a Total Fee row.

APPROACH USE

Farm / Field Access (FF)

Limited use. Access to farm land or a field.

Residential- Single Family (SF)

Moderate use. Access to a single family home or farm.

Residential- Multi Family (MF)

High use. Access to multiple homes, farms, temporary housing including work camps.

Commercial (CM)

High truck use. Access to a commercial/industrial installation.

Oil Pad (OP)

Moderate truck use. Access to an Oil Pad.

Temporary for Pipeline Construction

Site Name: _____

Email Address: _____

CLAIRE CUNNINGHAM

Printed Name of Authorized Agent of the Contractor or Approach Owner

802.989.2489

Telephone Number

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

Claire Cunningham

Approach Owner or Agent Name for Approach Owner

802.989.2489

Telephone Number

1100 Weiss Avenue

Address

Address

Bismarck, ND 58503

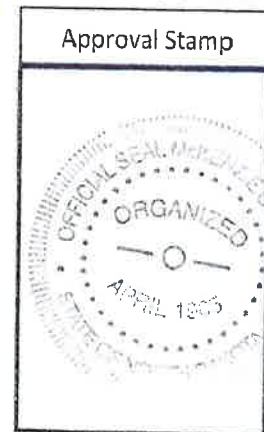
City, State & Zip Code

The Contractor must comply with all terms and conditions stated herein, especially the minimum engineering standards. Failure to comply with this CONDITIONAL CONSENT shall cause the consent to be rescinded and the Contractor must remove the approach from the right-of-way immediately or be responsible for the costs incurred by the County in removing the same. The County specifically reserves the right to remove the approach from right-of-way for non-compliance and reimbursement will be made to the County by the Contractor for doing the same.

PERMIT APPROVED

APR 1, 2016

Approval Stamp



ND-MC-086-502.900
25 St. NW

PERMIT TO CONSTRUCT AN APPROACH TO A COUNTY MAINTAINED ROAD

Revised Application Effective May 12, 2014

Dalcoata Access, LLC of 1300 Main Street, Houston, TX 77002
Approach Owner Address, City, State & Zip

Table with 8 columns: Road where approach will be located, Section, Township (N), Range (W), Approach Type, If Multifamily, how many units? OR How many trucks per day?, For Official Use Only (Fee). Includes rows for Approach 1 and Approach 2, and a Total Fee row.

APPROACH USE

Farm / Field Access (FF)

Limited use. Access to farm land or a field.

Residential- Single Family (SF)

Moderate use. Access to a single family home or farm.

Residential- Multi Family (MF)

High use. Access to multiple homes, farms, temporary housing including work camps.

Commercial (CM)

High truck use. Access to a commercial/industrial installation.

Oil Pad (OP)

Moderate truck use. Access to an Oil Pad.

Site Name: _____

Email Address: _____

CLAIRE CUNNINGHAM

Printed Name of Authorized Agent of the Contractor or Approach Owner

802.989.2489

Telephone Number

PERMIT APPROVED

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

Claire Cunningham

Approach Owner or Agent Name for Approach Owner

802.989.2489

Telephone Number

APR 13 2015

1100 Weiss Avenue

Address

Address

Bismarck, ND 58503

City, State & Zip Code

The Contractor must comply with all terms and conditions stated herein, especially the minimum engineering standards. Failure to comply with this CONDITIONAL CONSENT shall cause the consent to be rescinded and the Contractor must remove the approach from the right-of-way immediately or be responsible for the costs incurred by the County in removing the same. The County specifically reserves the right to remove the approach from right-of-way for non-compliance and reimbursement will be made to the County by the Contractor for doing the same.



ND-MC-090.502.900
24 St. NW

PERMIT TO CONSTRUCT AN APPROACH TO A COUNTY MAINTAINED ROAD

Revised Application Effective May 12, 2014

Dalcota Access, LLC of 1300 Main Street, Houston, TX 77002
Approach Owner Address, City, State & Zip

Table with 8 columns: Road where approach will be located, Section, Township (N), Range (W), Approach Type, If Multifamily, how many units? OR How many trucks per day?, For Official Use Only (Fee), Total Fee. Includes handwritten entries for Approach 1 and 2, and a Total Fee of 200.

APPROACH USE

Farm / Field Access (FF)

Limited use. Access to farm land or a field.

Residential- Single Family (SF)

Moderate use. Access to a single family home or farm.

Residential- Multi Family (MF)

High use. Access to multiple homes, farms, temporary housing including work camps.

Commercial (CM)

High truck use. Access to a commercial/industrial installation.

Oil Pad (OP)

Moderate truck use. Access to an Oil Pad.

Site Name: _____

Email Address: _____

Handwritten note: Temporary Pipeline Construction

CLAIRE CUNNINGHAM
Printed Name of Authorized Agent of the Contractor or Approach Owner

802.989.2489
Telephone Number

PERMIT APPROVED

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

Claire Cunningham
Approach Owner or Agent Name for Approach Owner

802.989.2489
Telephone Number

APR 11 2016

1100 Weiss Avenue
Address

Bismarck, ND 58503
City, State & Zip Code



The Contractor must comply with all terms and conditions stated herein, especially the minimum engineering standards. Failure to comply with this CONDITIONAL CONSENT shall cause the consent to be rescinded and the Contractor must remove the approach from the right-of-way immediately or be responsible for the costs incurred by the County in removing the same. The County specifically reserves the right to remove the approach from right-of-way for non-compliance and reimbursement will be made to the County by the Contractor for doing the same.

ND-MC-091.502.900
129 Ave NW

**McKENZIE COUNTY CONSENT FOR UTILITY COMPANY TO
CROSS A PUBLIC ROAD OR SECTION ROAD**

Dakota Access, LLC
Utility Company Name

of 1300 Main Street, Houston, TX 77002
Address, City, State & Zip

Route*	Section #		Township (N)		Range (W)		For Official Use Only	
	From	To	From	To	From	To	Type of Crossing	Fee
129 Ave NW	4	3	149	149	99	99	Box 24"	1,000 ⁰⁰
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Total Fee:								1,000 ⁰⁰

*Enter the County Route # or Street Name. If it is simply a section line crossing, enter "Section Line"

AUTHORIZED AGENT OF THE UTILITY COMPANY

I, the undersigned, being an authorized agent of the Utility Company described in the above, do hereby agree on behalf of the Utility Company that all terms and conditions listed on the reverse will be complied with, and any assignment of this buried transmission facility described above shall include and assignment of this liability to comply with the terms and conditions as stated herein.


Signature of Authorized Agent of Utility Company

1/28/16
Date

Robert Rose
Printed Name of Authorized Agent of Utility Company

Telephone Number

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

Claire Cunningham
Company Name or Agent Name

802-989-2489
Telephone Number

1100 Weiss Avenue
Address

Bismarck, ND 58503
Address
City, State & Zip Code

If you require additional pages for your request, indicate your total number of pages.
Page of Total # Pages of

Approval Stamp

ND-MC-091.502.900
129 Ave NW

**McKENZIE COUNTY CONSENT FOR UTILITY COMPANY TO
CROSS A PUBLIC ROAD OR SECTION ROAD**

Dakota Access, LLC
Utility Company Name

of 1300 Main Street, Houston, TX 77002
Address, City, State & Zip

Route*	Section #		Township (N)		Range (W)		For Official Use Only	
	From	To	From	To	From	To	Type of Crossing	Fee
<u>127 Ave NW</u>	<u>2</u>	<u>1</u>	<u>149</u>	<u>149</u>	<u>99</u>	<u>99</u>	<u>Section</u>	<u>25</u>
<u>Section</u>								
Total Fee:								<u>25</u>

*Enter the County Route # or Street Name. If it is simply a section line crossing, enter "Section Line"

AUTHORIZED AGENT OF THE UTILITY COMPANY

I, the undersigned, being an authorized agent of the Utility Company described in the above, do hereby agree on behalf of the Utility Company that all **terms and conditions listed on the reverse** will be complied with, and any assignment of this buried transmission facility described above shall include and assignment of this liability to comply with the terms and conditions as stated herein.

[Signature]
Signature of Authorized Agent of Utility Company

1/27/16
Date

Robert Ross
Printed Name of Authorized Agent of Utility Company

Telephone Number

If you require additional pages for your request, indicate your total number of pages.
Page of Total # Pages of

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

Claire Cunningham
Company Name or Agent Name

802.989.2489
Telephone Number

1100 Weiss Avenue
Address

Bismarck, ND 58503
Address
City, State & Zip Code

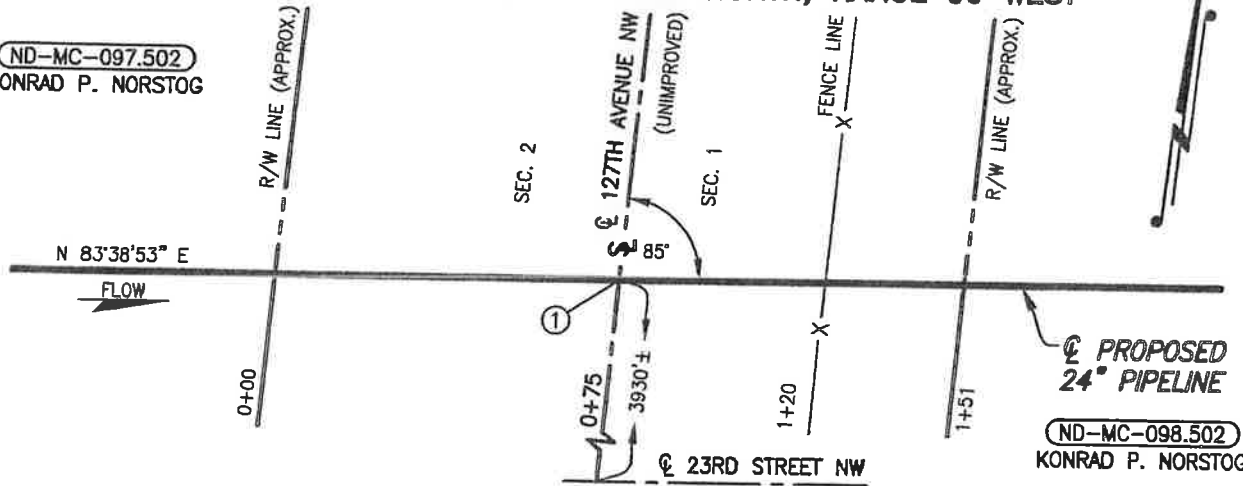
Approval Stamp

ND-MC-097.502.900
127 Ave NW

McKENZIE COUNTY, NORTH DAKOTA

SECTIONS 2 & 1, TOWNSHIP 149 NORTH, RANGE 99 WEST

ND-MC-097.502
KONRAD P. NORSTOG

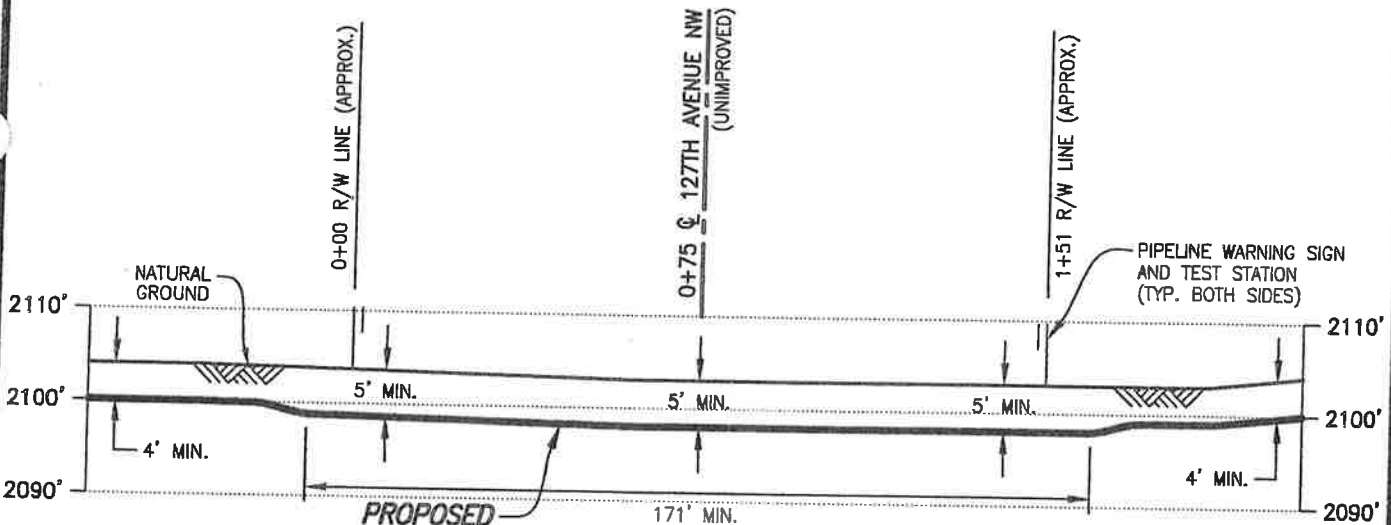


ND-MC-098.502
KONRAD P. NORSTOG

ND-MC-097.502.900

PLAN

SCALE: 1"=40'



PIPE SPECIFICATIONS
 PIPE 24" O.D. x 0.500" W.T.
 API 5LX-70 ERW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

**PROPOSED
24" PIPELINE**

PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

① X=2057251.76
Y=17358040.16

DATUM:

ALL ELEVATIONS DERIVED FROM GPS
OBSERVATIONS (GEOID 2012, NAVD 88)
BEARINGS BASED ON UTM ZONE 13
NORTH AMERICAN DATUM 1983.
U.S. SURVEY FEET
T.B.M.: \odot 127TH AVENUE NW (UNIMPROVED)
AT STA. 0+75, ELEV. 2106.00'

REV.	DATE	BY	DESCRIPTION	RC	CHK.
A	08/31/15	PRV	ISSUED FOR USE/PERMIT		

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

**PROPOSED 24" DAPL PIPELINE CROSSING
127TH AVENUE NW (UNIMPROVED)**

McKENZIE COUNTY

NORTH DAKOTA

DRAWN BY: RG

DATE: 04/29/15

DWG. NO.

REV.

CHECKED BY:

DATE:

ND-MC-097.502.900

A

SCALE: AS SHOWN

APP.:

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\MCKENZIE COUNTY\103957-P8-
 2--097.502.900.dwg PLOT DATE: 9/2/2015 BY: VILLARREAL, PHIL