

ENCROACHMENT LICENSE AGREEMENT

THIS ENCROACHMENT LICENSE AGREEMENT ("Agreement") is made and entered into at Erie, Colorado this ___ day of January, 2017, by and between the TOWN OF ERIE, a Colorado municipal corporation ("Town") and Crestone Peak Resources Holding LLC, a Delaware limited liability company ("Owner").

RECITALS

A. Owner is the owner of **Pipeline Crossings of WCR5 & WCR 10**, Town of Erie, County of Weld, State of Colorado ("Owner's Property").

B. Town is the owner of the following real property situate in the County of Weld and State of Colorado, to wit: See Exhibit "A," attached hereto and incorporated herein by this reference ("Town's Property").

C. A portion of the Owner's improvements used in connection with **Pipeline Crossings of WCR5 & WCR 10** encroaches under and on the Town's Property (the "Encroachment"), as shown and as legally described on the attached Exhibit "B," which is incorporated herein by reference.

D. The Town has agreed to grant to Owner a personal privilege to maintain the Encroachment described above under and on the Town's Property, all in accordance with, and subject to the terms, conditions and limitations of, this Agreement.

1. Grant of License. The Town hereby grants to the Owner the personal privilege and permission to enter upon the Town's Property and to maintain the Encroachment described above under and on the Town's Property subject, however, to the terms, conditions and limitations of this Agreement (the "License"). The License herein granted shall be subject to all existing utility easements, if any, located on or under the Town's Property.

2. Term. This Agreement and the License granted to Owner hereunder shall commence as of the date of this Agreement and shall continue until terminated pursuant to Paragraph 9 of this Agreement.

3. Consideration. The consideration to be paid by the Owner to the Town for the License and privilege granted by this Agreement shall be One Thousand and Five Hundred Dollars (\$1500.00), receipt of which is hereby acknowledged by the Town, and other good and valuable consideration as herein provided.

4. No Interest In Land. Owner understands, acknowledges and agrees that the License and this Agreement do not create an interest or estate in Owner's favor in the Town's Property. The Town retains legal possession of the full boundaries of Town's Property and the License and this Agreement merely grant to the Owner the personal privilege to maintain the Encroachment described above throughout the term of this Agreement.

Notwithstanding the expenditure of time, money or labor by the Owner on the improvements which constitute the Encroachment, the License and this Agreement shall in no event be construed to create an assignment coupled with an interest in favor of the Owner. Owner shall expend any time, money or labor at Owner's own risk and peril.

5. Limited Scope of License. The License granted to the Owner is limited in scope to the following permitted use or uses: install and maintain two steel pipelines under Erie Parkway. Owner shall not have the right to expand the License, the Encroachment or Owner's use of the Town's Property or to alter or change the Owner's use of the Town's Property.

6. Use of Licensed Premises By Others. Owner may permit Owner's employees, business invitees, contractors, tenants, subcontractors, lessees, agents, customers and others to use the portion of the Town's Property for which the License and this Agreement has been executed.

7. Transferability of License. The License granted to the Owner by this Agreement may be transferred to a subsequent owner of Owner's Property; provided, however, that such subsequent owner shall be required to assume in writing all of Owner's obligations hereunder (in a form acceptable to Town) and such subsequent owner shall acquire nothing more than the personal privilege herein granted to Owner. Further, the rights of any subsequent owner shall be subject to termination in accordance with the provisions of Paragraph 9 of this Agreement.

8. Default. In the event either party materially defaults in the performance of any of the material covenants or agreements to be kept, done or performed by it under the terms of this Agreement, the non-defaulting party shall notify the defaulting party in writing of the nature of such default. Within fifteen (15) days following receipt of such notice the defaulting party shall correct such default; or, in the event of a default not capable of being corrected within fifteen (15) days, the defaulting party shall commence correcting the default within fifteen (15) days of receipt of notification thereof and thereafter correct the default with due diligence. If the defaulting party fails to correct the default as provided hereinabove, the non-defaulting party, without further notice, shall have the right to declare that the License and this Agreement are terminated pursuant to Paragraph 9 hereof effective upon such date as the non-defaulting party shall designate. The rights and remedies provided for herein may be exercised singly or in combination.

9. Termination. This Agreement and the License herein granted to Owner is fully terminable in accordance with the following terms and conditions:

a. Termination Upon Notice To Owner. This Agreement, and the License herein granted to Owner, may be terminated by Town, at the Town's sole discretion, without liability for breach of this Agreement by the giving of ninety (90) days' advance written notice to Owner. The notice provision established by this paragraph 9(a) shall conclusively be deemed to be reasonable.

b. Termination Upon Destruction Or Removal Of Improvements. In the event that Owner's improvements which encroach onto the Town's Property are destroyed or are permanently removed, this Agreement, and the License herein granted to Owner, may be terminated by Town upon not less than thirty (30) days' advance written notice to Owner.

c. Termination Upon Default. This Agreement and the License herein granted to Owner may be terminated by either party upon the material default of the other party in the performance of the material covenants or agreements of this Agreement in accordance with the revisions of Paragraph 8 of this Agreement.

d. Recording Of Notice Of Termination. Upon termination of the License and this Agreement the Town may cause to be recorded with the Clerk and Recorder of Boulder/Weld County, Colorado a written Notice of Termination.

e. No Compensation To Owner. In the event of termination of the License and this Agreement for any reason, Owner shall not be entitled to receive a refund of any portion of the consideration paid for the License and this Agreement, nor shall Owner be compensated for any improvements which must be removed from the Town's Property.

10. Permanent Removal Of Encroachment Upon Termination. At such time as this Agreement and the License herein granted to Owner is terminated, upon the Town's written request, the Owner shall remove, at Owner's sole expense, any and all Encroachments owned or maintained by Owner on the Town's Property.

11. Insurance. Owner shall obtain and maintain at all times during the term hereof, at Owner's sole cost, a policy or policies of comprehensive general liability insurance with limits of coverage of not less than \$1,000,000 for injuries, damages or losses sustained by any one person in any one accident or event, and not less than \$1,000,000 for injuries, damages or losses incurred by two or more persons in any one accident or event. The Town

Notices mailed in accordance with the provisions of this Paragraph shall be deemed to have been given upon mailing. Notices personally delivered shall have been deemed to have been given upon delivery. Either party may change its address by giving notice thereof to the other party in the manner provided in this Paragraph 16.

17. Attorney's Fees. If any action is brought in a court of law by either party to this Agreement concerning the enforcement, interpretation or construction of this Agreement, the prevailing party, either at trial or upon appeal, shall be entitled to reasonable attorney's fees as well as costs, including expert witness's fees, incurred in the prosecution or defense of such action.

18. Waiver. The failure of either party to exercise any of its rights under this Agreement shall not be a waiver of those rights. A party waives only those rights specified in writing and signed by the party waiving its rights.

19. Governmental Immunity. The parties hereto understand and agree that Town is relying on, and does not waive or intend to waive by any provision of this Agreement, the monetary limitations or any other rights, immunities, and protections provided by the Colorado Governmental Immunity Act, Section 24-10-101, *et seq.*, C.R.S., as from time to time amended, or any other law or limitations otherwise available to Town, its officers, or its employees.

20. Entire Agreement. This Agreement constitutes the entire agreement and understanding between the parties hereto and supersedes any prior agreement or understanding relating to the subject matter of this Agreement. Any such prior agreement shall be deemed to be null and void and of no further effect.

21. Modification. This Agreement may be modified or amended only by a duly authorized written instrument executed by the parties hereto.

22. Paragraph Headings. Paragraph headings are inserted for convenience only and in no way limit or define the interpretation to be placed upon this Agreement.

23. Terminology. Wherever applicable, the pronouns in this Agreement designating the masculine or neuter shall equally apply to the feminine, neuter and masculine genders. Furthermore, wherever applicable within this Agreement, the singular shall include the plural, and the plural shall include the singular.

24. Authority Of Town. This Agreement is entered into pursuant to a Resolution of the Board of Trustees of the Town of Erie, Colorado adopted _____, 20__.

[signatures on following page]

IN WITNESS WHEREOF, the parties hereto have entered into this Encroachment License Agreement as of the day and year first set forth above.

TOWN:

EXHIBIT "A"

("legal description of Town's Property)

(TO BE PROVIDED)

PARCEL DESCRIPTION

A STRIP OF LAND BEING 30 FEET WIDE BY 90.00 FEET IN LENGTH FOR BORING TWO STEEL PIPELINES UNDER WELD COUNTY ROAD 5 RIGHT-OF-WAY LOCATED APPROXIMATELY 53' SOUTH OF WELD COUNTY ROAD 10 , PATH AND COURSE OF WHICH ARE MORE COMPLETELY DESCRIBED IN EXHIBIT B.

SURVEYOR'S STATEMENT

I, MATT ROBERT EISENACH, A PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY STATE THAT THIS EASEMENT DESCRIPTION WAS PREPARED UNDER MY PERSONAL SUPERVISION AND CHECKING, AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, INFORMATION, BELIEF, AND IN MY PROFESSIONAL OPINION, AND THAT IT IS NOT A MONUMENTED LAND SURVEY

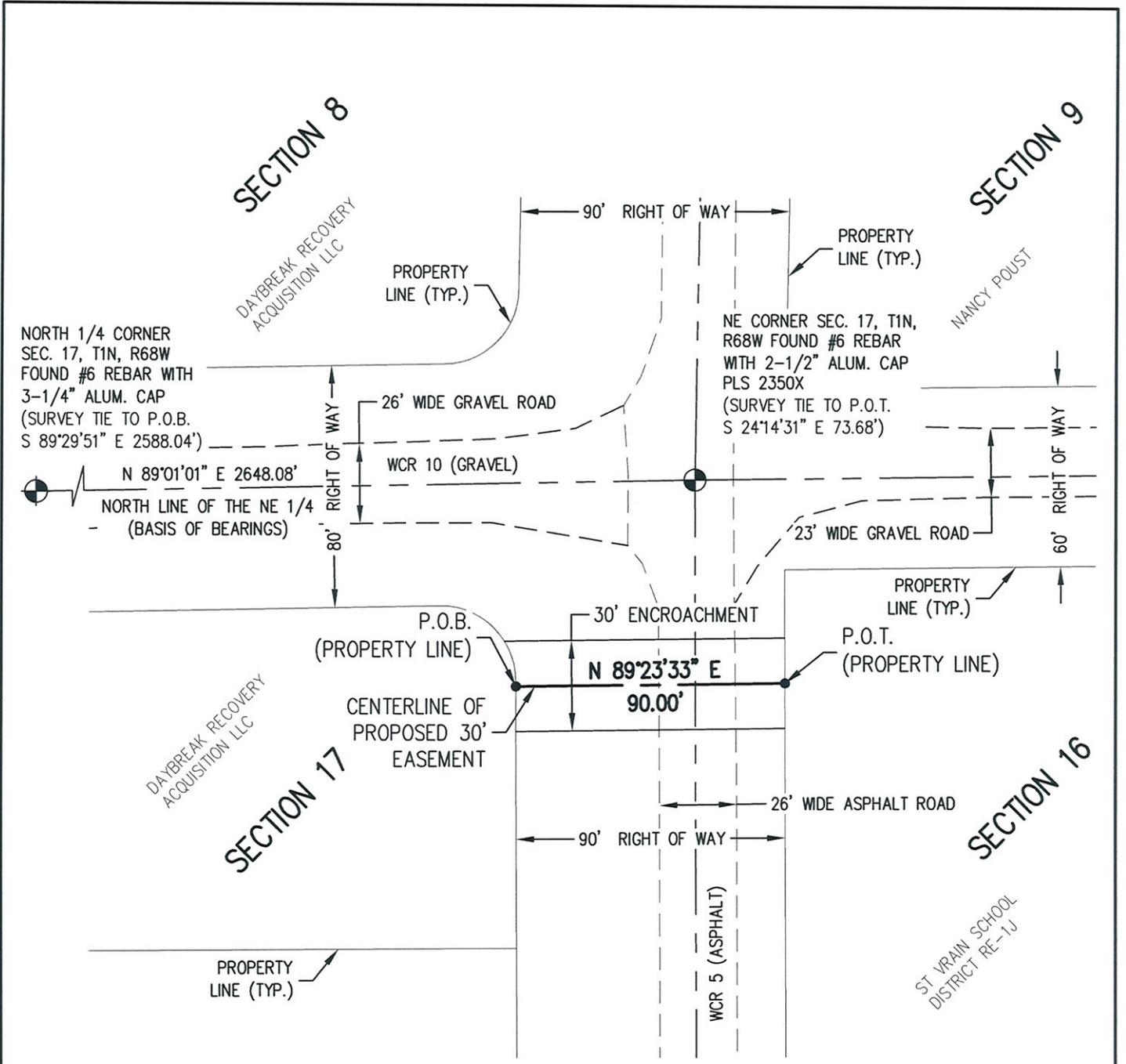


MATT ROBERT EISENACH, PROFESSIONAL LAND SURVEYOR
COLORADO PLS NO. 38257
FOR AND ON BEHALF OF BASELINE ENGINEERING CORP.

BASELINE ENGINEERING CORP.
710 11TH AVENUE, SUITE 105
GREELEY, COLORADO 80631
(970) 353-7600

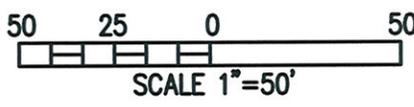
EXHIBIT B

ATTACHED TO AND A PART OF THAT CERTAIN LICENSE AGREEMENT
 BETWEEN WELD COUNTY AND CRESTONE PEAK RESOURCES
 TOTAL DISTANCE ACROSS PROPERTY: 90.00'



NOTES:

- LOCATIONS OF UTILITIES AND FOREIGN PIPELINES WERE DETERMINED FROM VISIBLE SURFACE EVIDENCE. THESE LOCATIONS, IF SHOWN, MAY NOT BE ACCURATE OR COMPLETE. OTHER UTILITIES MAY EXIST AND ARE TO BE FIELD LOCATED BY OTHERS PRIOR TO EXCAVATION.
- THIS DOCUMENT IS NOT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT.
- BASIS OF BEARINGS—THE NORTH LINE OF THE NORTHEAST QUARTER OF SECTION 17, TOWNSHIP 1 NORTH, RANGE 68 WEST, 6TH P.M. IS ASSUMED TO BEAR N 89°01'01" E BETWEEN THE MONUMENTS AS SHOWN.
- NOTICE: ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THE DATE OF THE CERTIFICATION SHOWN HEREON.
- THIS EXHIBIT WAS PREPARED BY MATT ROBERT EISENACH PLS # 38257, FOR AND ON BEHALF OF BASELINE ENGINEERING CORPORATION, 710 11TH AVE., STE. 105 GREELEY, COLORADO 80631.



LEGEND:

	ALIQUOT CORNER
	P.I.
	P.O.B. POINT OF BEGINNING
	P.O.T. POINT OF TERMINUS



710 11TH AVENUE, SUITE 105 • GREELEY, COLORADO 80631
 P: 970.353.7600 • F: 970.353.7601 • www.baselinecorp.com

CRESTONE PEAK RESOURCES

PIPELINE ACROSS WELD COUNTY ROAD 5 RIGHT OF WAY LOCATED IN
 SECTIONS 17 AND 16 TOWNSHIP 1 NORTH RANGE 68 WEST
 COUNTY OF WELD, STATE OF COLORADO

SCALE:	1" = 50'
DATE:	12/20/16
FILE:	ROW EXHIBITS
REVISION:	
SHEET 2 OF 2	

PARCEL DESCRIPTION

A STRIP OF LAND BEING 30 FEET WIDE BY 70.01 FEET IN LENGTH FOR BORING TWO STEEL PIPELINES UNDER WELD COUNTY ROAD 10 RIGHT-OF-WAY LOCATED APPROXIMATELY 2700' WEST OF WELD COUNTY ROAD 5, PATH AND COURSE OF WHICH ARE MORE COMPLETELY DESCRIBED IN EXHIBIT B.

SURVEYOR'S STATEMENT

I, MATT ROBERT EISENACH, A PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY STATE THAT THIS EASEMENT DESCRIPTION WAS PREPARED UNDER MY PERSONAL SUPERVISION AND CHECKING, AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, INFORMATION, BELIEF, AND IN MY PROFESSIONAL OPINION, AND THAT IT IS NOT A MONUMENTED LAND SURVEY

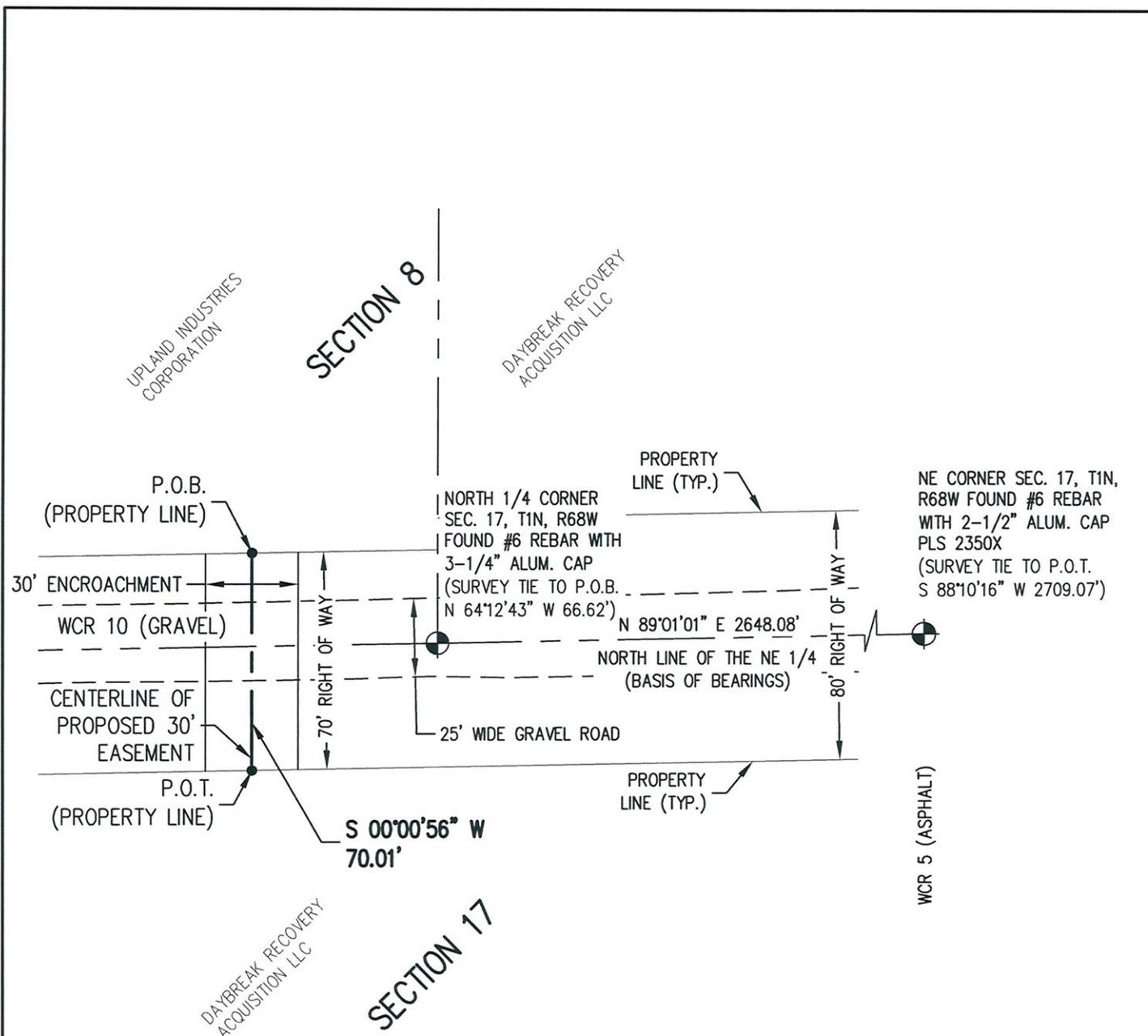


MATT ROBERT EISENACH, PROFESSIONAL LAND SURVEYOR
COLORADO PLS NO. 38257
FOR AND ON BEHALF OF BASELINE ENGINEERING CORP.

BASELINE ENGINEERING CORP.
710 11TH AVENUE, SUITE 105
GREELEY, COLORADO 80631
(970) 353-7600

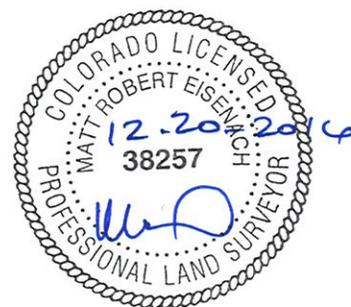
EXHIBIT B

ATTACHED TO AND A PART OF THAT CERTAIN LICENSE AGREEMENT
 BETWEEN WELD COUNTY AND CRESTONE PEAK RESOURCES
 TOTAL DISTANCE ACROSS PROPERTY: 70.01'



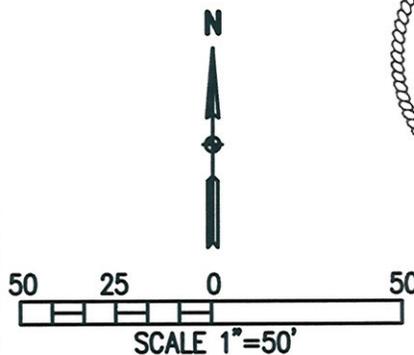
NE CORNER SEC. 17, T1N, R68W FOUND #6 REBAR WITH 2-1/2" ALUM. CAP PLS 2350X (SURVEY TIE TO P.O.T. S 88°10'16" W 2709.07')

S 00°00'56" W 70.01'



NOTES:

1. LOCATIONS OF UTILITIES AND FOREIGN PIPELINES WERE DETERMINED FROM VISIBLE SURFACE EVIDENCE. THESE LOCATIONS, IF SHOWN, MAY NOT BE ACCURATE OR COMPLETE. OTHER UTILITIES MAY EXIST AND ARE TO BE FIELD LOCATED BY OTHERS PRIOR TO EXCAVATION.
2. THIS DOCUMENT IS NOT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT.
3. BASIS OF BEARINGS—THE NORTH LINE OF THE NORTHEAST QUARTER OF SECTION 17, TOWNSHIP 1 NORTH, RANGE 68 WEST, 6TH P.M. IS ASSUMED TO BEAR N 89°01'01" E BETWEEN THE MONUMENTS AS SHOWN.
4. NOTICE: ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THE DATE OF THE CERTIFICATION SHOWN HEREON.
5. THIS EXHIBIT WAS PREPARED BY MATT ROBERT EISENACH PLS # 38257, FOR AND ON BEHALF OF BASELINE ENGINEERING CORPORATION, 710 11TH AVE., STE. 105 GREELEY, COLORADO 80631.



LEGEND:

- ALIQUOT CORNER
- P.I.
- P.O.B. POINT OF BEGINNING
- P.O.T. POINT OF TERMINUS

BASELINE

Engineering · Planning · Surveying

710 11TH AVENUE, SUITE 105 • GREELEY, COLORADO 80631
 P. 970.353.7600 • F. 970.353.7601 • www.baselinecorp.com

CRESTONE PEAK RESOURCES

PIPELINE ACROSS WELD COUNTY ROAD 10 RIGHT OF WAY LOCATED IN SECTIONS 8 AND 17 TOWNSHIP 1 NORTH RANGE 68 WEST COUNTY OF WELD, STATE OF COLORADO

SCALE:	1" = 50'
DATE:	12/20/16
FILE:	ROW EXHIBITS
REVISION:	

PARCEL DESCRIPTION

A STRIP OF LAND BEING 30 FEET WIDE BY 70.02 FEET IN LENGTH FOR BORING TWO STEEL PIPELINES UNDER WELD COUNTY ROAD 10.5 RIGHT-OF-WAY LOCATED APPROXIMATELY 100' WEST OF WELD COUNTY ROAD 3 , PATH AND COURSE OF WHICH ARE MORE COMPLETELY DESCRIBED IN EXHIBIT B.

SURVEYOR'S STATEMENT

I, MATT ROBERT EISENACH, A PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY STATE THAT THIS EASEMENT DESCRIPTION WAS PREPARED UNDER MY PERSONAL SUPERVISION AND CHECKING, AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, INFORMATION, BELIEF, AND IN MY PROFESSIONAL OPINION, AND THAT IT IS NOT A MONUMENTED LAND SURVEY

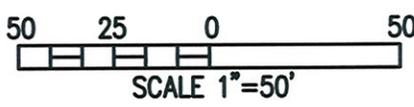
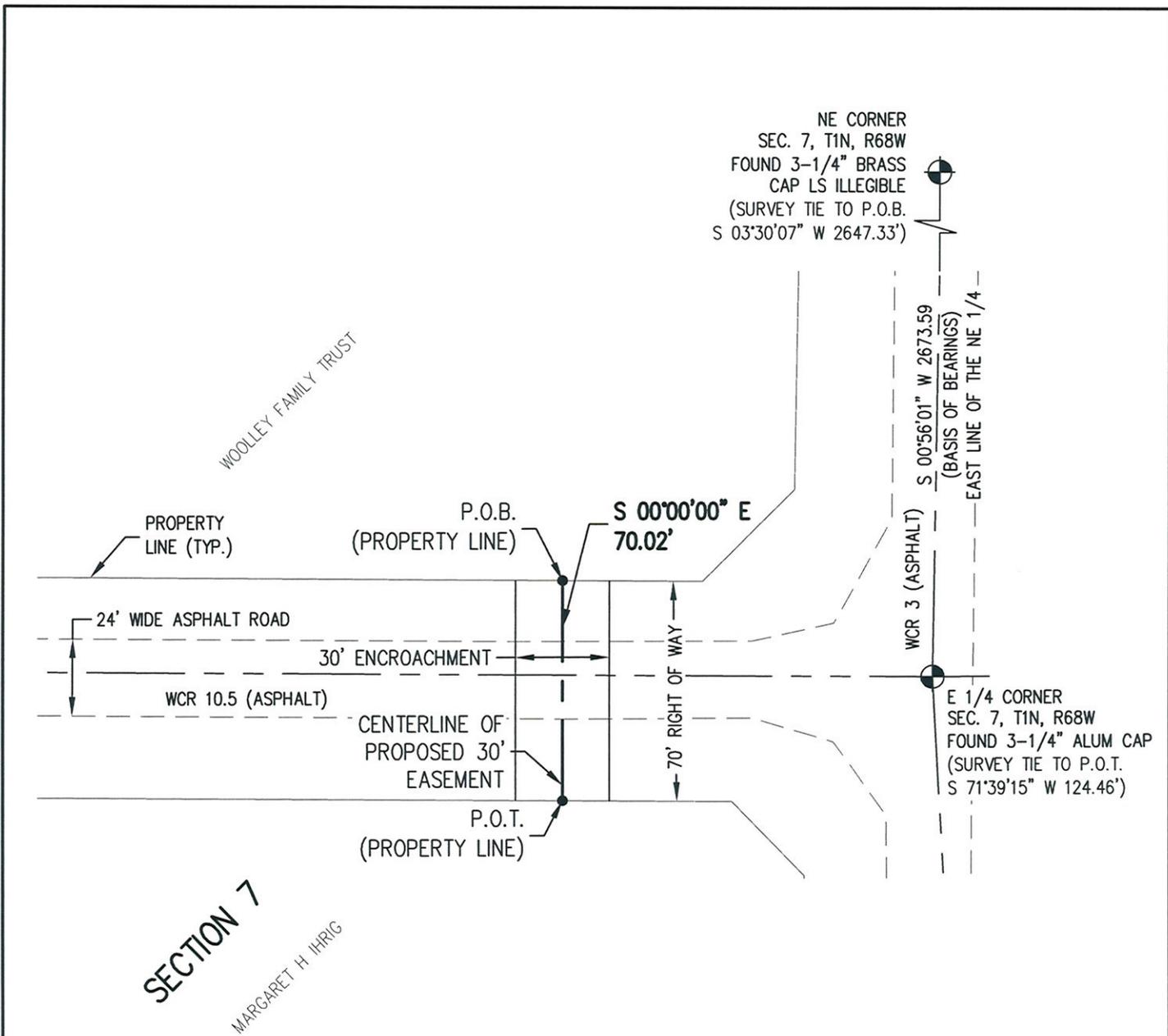


MATT ROBERT EISENACH, PROFESSIONAL LAND SURVEYOR
COLORADO PLS NO. 38257
FOR AND ON BEHALF OF BASELINE ENGINEERING CORP.

BASELINE ENGINEERING CORP.
710 11TH AVENUE, SUITE 105
GREELEY, COLORADO 80631
(970) 353-7600

EXHIBIT B

ATTACHED TO AND A PART OF THAT CERTAIN RIGHT OF WAY AND EASEMENT AGREEMENT
 BETWEEN WELD COUNTY AND CRESTONE PEAK RESOURCES
 TOTAL DISTANCE ACROSS PROPERTY: 70.02'



- NOTES:**
- LOCATIONS OF UTILITIES AND FOREIGN PIPELINES WERE DETERMINED FROM VISIBLE SURFACE EVIDENCE. THESE LOCATIONS, IF SHOWN, MAY NOT BE ACCURATE OR COMPLETE. OTHER UTILITIES MAY EXIST AND ARE TO BE FIELD LOCATED BY OTHERS PRIOR TO EXCAVATION.
 - THIS DOCUMENT IS NOT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT.
 - BASIS OF BEARINGS—THE EAST LINE OF THE NORTHEAST QUARTER OF SECTION 7, TOWNSHIP 1 NORTH, RANGE 68 WEST, 6TH P.M. IS ASSUMED TO BEAR S 00°56'01" W BETWEEN THE MONUMENTS AS SHOWN.
 - NOTICE: ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THE DATE OF THE CERTIFICATION SHOWN HEREON.
 - THIS EXHIBIT WAS PREPARED BY MATT ROBERT EISENACH PLS # 38257, FOR AND ON BEHALF OF BASELINE ENGINEERING CORPORATION, 710 11TH AVE., STE. 105 GREELEY, COLORADO 80631.

LEGEND:

- ALIQUOT CORNER
- P.I.
- P.O.B. POINT OF BEGINNING
- P.O.T. POINT OF TERMINUS



CRESTONE PEAK RESOURCES
 PIPELINE ACROSS WELD COUNTY ROAD 10.5 RIGHT OF WAY LOCATED IN
 SECTION 7 TOWNSHIP 1 NORTH RANGE 68 WEST
 COUNTY OF WELD, STATE OF COLORADO

SCALE:	1" = 50'
DATE:	12/20/16
FILE:	ROW EXHIBITS
REVISION:	
SHEET 2 OF 2	

EXHIBIT "B"

(drawing and description of encroachment)

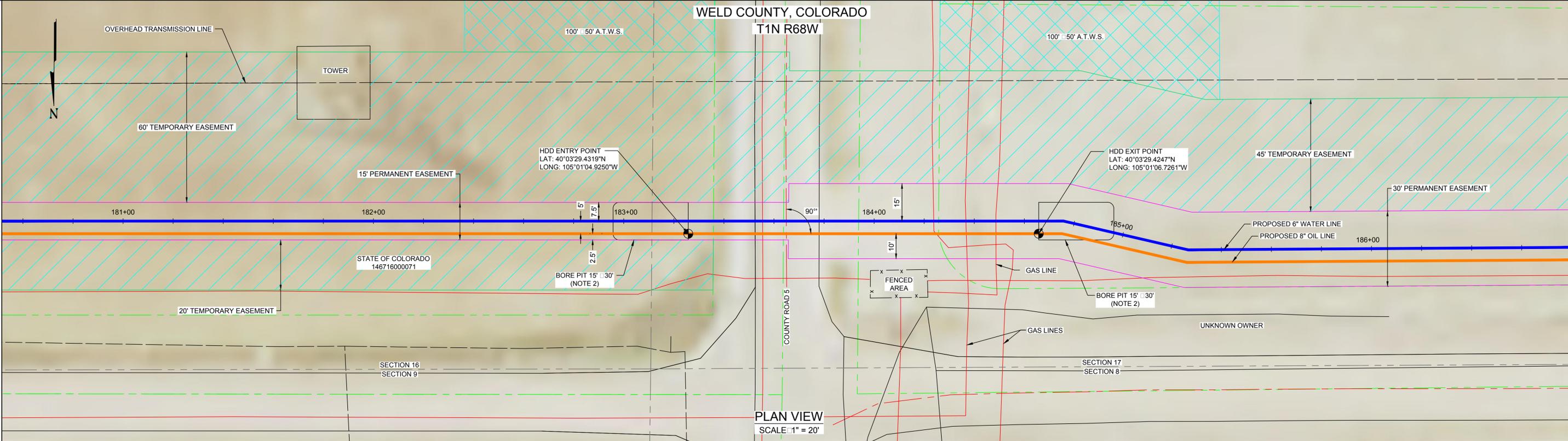
(TO BE PROVIDED)

STATIONING

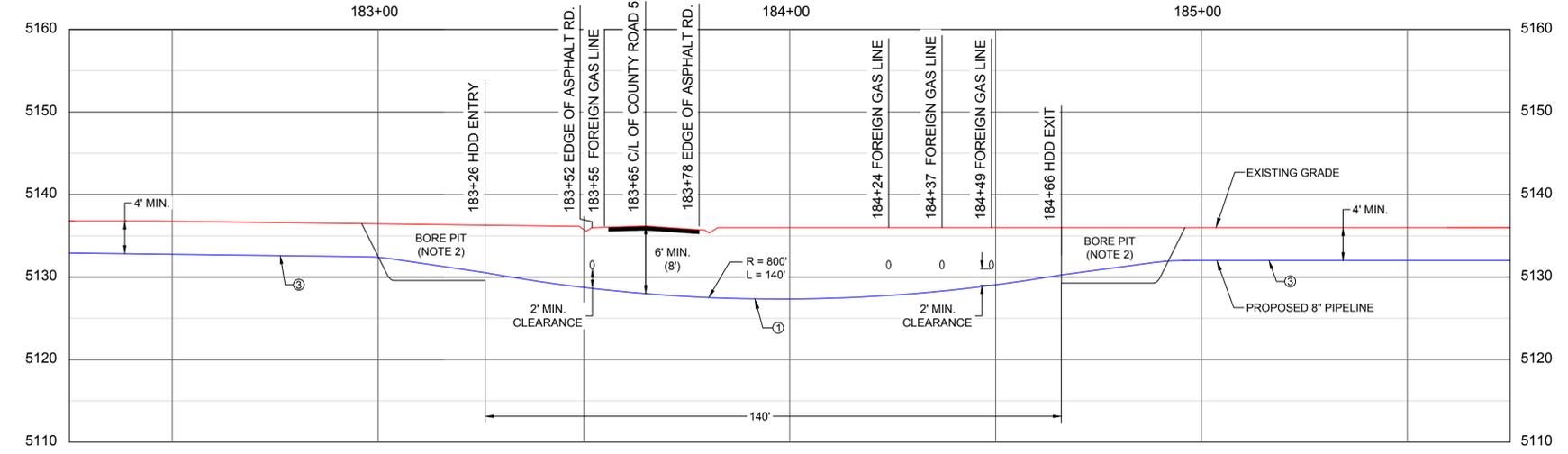
ALIGNMENT

PROFILE

183+26 HDD ENTRY, 5 RT.
 183+52 EDGE OF ASPHALT ROAD
 183+55 FOREIGN GAS LINE (UNKNOWN DEPTH)
 183+65 C/L OF COUNTY ROAD 5
 183+78 EDGE OF ASPHALT ROAD
 184+24 FOREIGN GAS LINE (UNKNOWN DEPTH)
 184+37 FOREIGN GAS LINE (UNKNOWN DEPTH)
 184+49 FOREIGN GAS LINE (UNKNOWN DEPTH)
 184+66 HDD EXIT, 5 RT.
 184+76 P.I. < 12° 58' 56" RT.



PLAN VIEW
 SCALE 1" = 20'



PROFILE
 SCALE: HORIZONTAL 1" = 20' VERTICAL 1" = 10'

ISSUED FOR CONSTRUCTION
 04/16/15

NOTE: THIS DRAWING IS INTENDED TO BE PRINTED AS 22" x 34". PLEASE REFER TO GRAPHIC SCALE, AS DRAWING MAY HAVE BEEN REDUCED OR ENLARGED.

REFERENCE DWG: 52432-31-B-007 - CONSTRUCTION ALIGNMENT SHEET

811
 Know what's below.
 Call before you dig.

H SCALE: 1" = 20'
 V SCALE: 1" = 10'

PIPE MATERIAL LIST				MATERIAL LIST			
ITEM NO.	DESCRIPTION	QTY	ITEM NO.	DESCRIPTION	QTY		
1	8.625" OD, 0.250" W.T., API 5L X52 PSL2, 14-16 MIL ARO	140'					
3	8.625" OD, 0.250" W.T., API 5L X52 PSL2, 14-16 MIL FBE	NA					

GENERAL NOTES

- ALL STATIONS ARE BASED OFF OF CENTERLINE OF EASEMENT.
- BORE PIT DIMENSIONS ARE APPROXIMATE & CAN BE ADJUSTED IN THE FIELD BY THE CONTRACTOR.
- ALL HDD INSTALLATIONS WILL CONFORM TO THE LATEST EDITION OF ENCANAS PIPELINE SPECIFICATION STANDARDS.
- CONTRACTOR TO LOCATE, MARK AND POTHOLE FOREIGN LINES PRIOR TO EXCAVATION (AND MONITOR DURING DRILLING).
- CONTRACTOR TO SUPPORT EXISTING UTILITIES, PIPELINES AND/OR OTHER FEATURES.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL INDUCED STRESS CALCULATIONS FOR INSTALLATION, OPERATION AND PULL FORCES IF THE PROPOSED DRILL PROFILE IS CHANGED.
- HDD TOLERANCES ARE TO BE WITHIN THE FOLLOWING LIMITS: OFFSET LEFT OR RIGHT OF CENTERLINE: ±2 FEET EXIT LENGTH: ±2 FEET DEPTH: 0 FEET TO -2 FEET.

LEGEND

○	MILEPOST MARKER	—	PIPELINE	—W—	WATER LINE
●	POINT OF INFLECTION	—	NATURAL GROUND PROFILE	WETLANDS	
⊙	HDD BORE ENTRY/EXIT	—	RAILROAD	PERMANENT EASEMENT	
○	PIPELINE MARKER	—	FENCE	TEMPORARY WORKSPACE	
⊙	CATHODIC TEST STATION	—	FOREIGN PIPELINE	ADDITIONAL TEMP. WORKSPACE	
⊙	INDUCTION BEND	—	POWER LINE	COUNTY/PARISH BOUNDARY	
⊙	AERIAL MARKER	—	FIBER OPTIC	FABRICATION	
⊙	VALVE	—	TELEPHONE LINE		
⊙	BUOYANCY CONTROL	—	CENTERLINE ROAD		
		—	PROPERTY LINE		

NO.		DATE		REVISIONS		DR/CH
C		04/16/15		ISSUED FOR CONSTRUCTION		SL/NJL
A		12/24/14		ISSUED FOR APPROVAL		SL/NJL

DISCLAIMER

WILLBROS MAKES NO WARRANTY (EXPRESS, IMPLIED OR OTHERWISE) THAT THE INFORMATION CONTAINED HEREIN IS ACCURATE OR COMPLETE AS TO ANY AND ALL SUBSURFACE CONDITIONS AND CONFORMATION. ANY RELIANCE THE CONTRACTOR PLACES ON INFORMATION CONTAINED HEREIN AS TO SUCH CONDITIONS IS DONE AT ITS OWN RISK AND EXPENSE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE STATE 'ONE CALL' SYSTEM PRIOR TO ANY EXCAVATION.

WILLBROS

400 Inverness Pkwy, Ste 400
 Denver, CO 80112
 303-790-1200

encana

**ENCANA HUB GATHERING SYSTEM
 PROPOSED 8" OIL PIPELINE
 COUNTY ROAD 5 - HDD
 PLAN AND PROFILE
 WELD COUNTY, COLORADO**

SCALE: 1" = 20'	DRAWN: SL	CHECKED BY: NJL	DATE: 12/19/14
JOB NO. 52432	DRAWING: 52432-33-135	REV. C	

STATIONING

ALIGNMENT

PROFILE

183+26 HDD ENTRY

183+52 EDGE OF ASPHALT ROAD
183+55 FOREIGN GAS LINE
(UNKNOWN DEPTH)

183+65 C/L OF COUNTY ROAD 5

183+78 EDGE OF ASPHALT ROAD

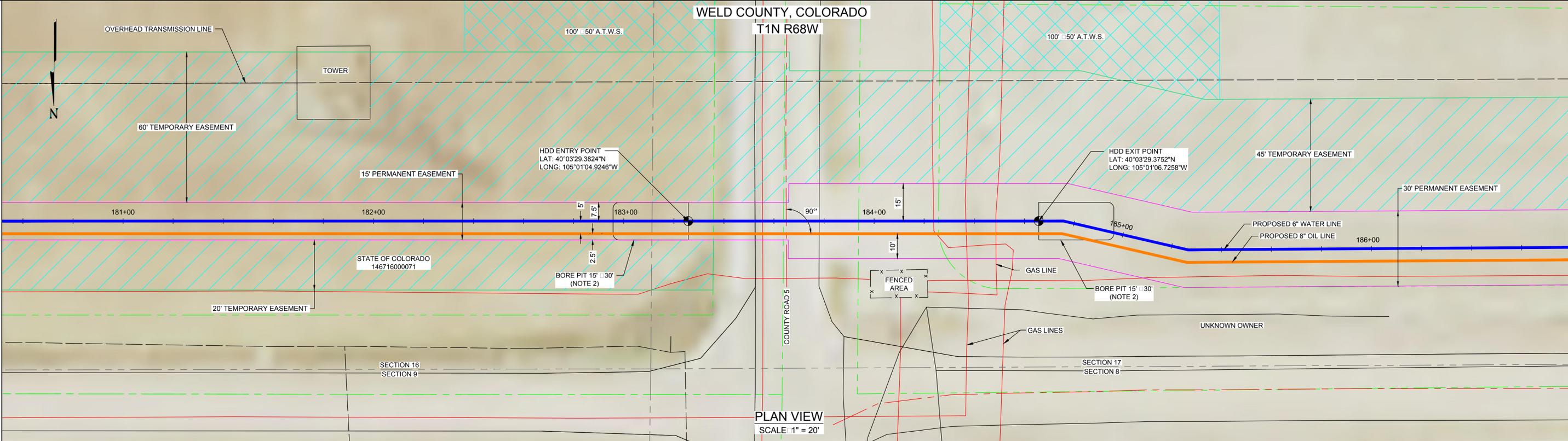
184+24 FOREIGN GAS LINE
(UNKNOWN DEPTH)

184+37 FOREIGN GAS LINE
(UNKNOWN DEPTH)

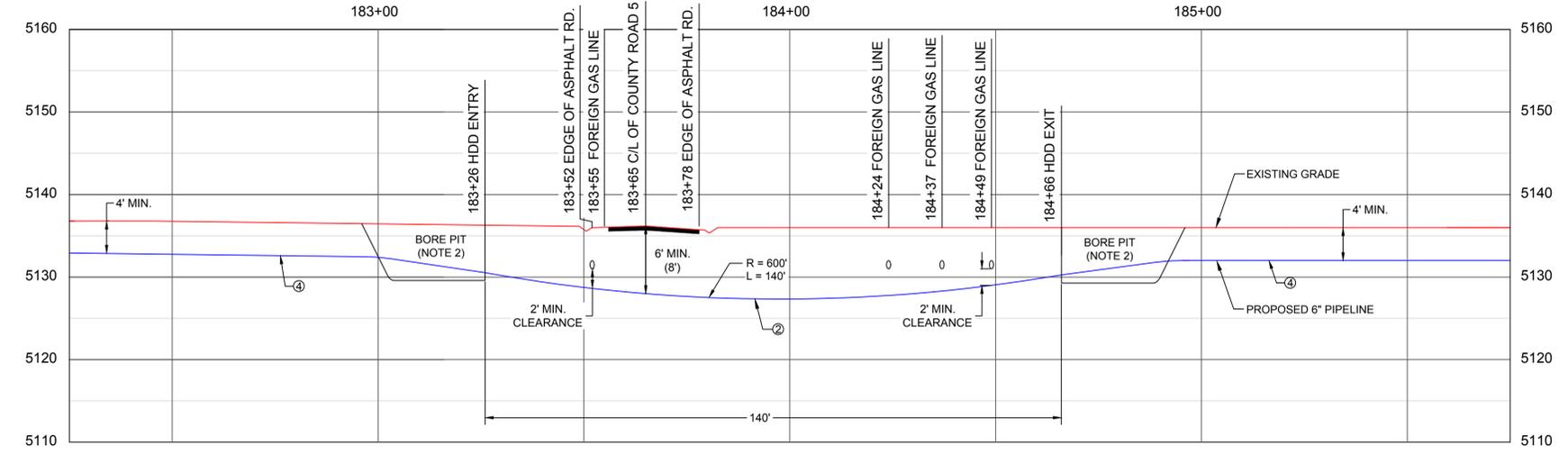
184+49 FOREIGN GAS LINE
(UNKNOWN DEPTH)

184+66 HDD EXIT

184+76 P.I. < 12° 58' 56" RT.



PLAN VIEW
SCALE 1" = 20'



PROFILE
SCALE: HORIZONTAL 1" = 20' VERTICAL 1" = 10'

ISSUED FOR CONSTRUCTION
04/16/15

NOTE: THIS DRAWING IS INTENDED TO BE PRINTED AS 22" x 34". PLEASE REFER TO GRAPHIC SCALE, AS DRAWING MAY HAVE BEEN REDUCED OR ENLARGED.

REFERENCE DWG: 52432-31-B-007 - CONSTRUCTION ALIGNMENT SHEET

811
Know what's below.
Call before you dig.

H SCALE: 1" = 20'
V SCALE: 1" = 10'

PIPE MATERIAL LIST				MATERIAL LIST			
ITEM NO.	DESCRIPTION	QTY	ITEM NO.	DESCRIPTION	QTY		
2	6.625" OD, 0.250" W.T., API 5L X52 PSL2, 14-16 MIL FBE, 40 MIL ARO INTERNALLY COATED	140'					
4	6.625" OD, 0.250" W.T., API 5L X52 PSL2, 14-16 MIL FBE INTERNALLY COATED	NA					

GENERAL NOTES

- ALL STATIONS ARE BASED OFF OF CENTERLINE OF EASEMENT.
- BORE PIT DIMENSIONS ARE APPROXIMATE & CAN BE ADJUSTED IN THE FIELD BY THE CONTRACTOR.
- ALL HDD INSTALLATIONS WILL CONFORM TO THE LATEST EDITION OF ENCANAS PIPELINE SPECIFICATION STANDARDS.
- CONTRACTOR TO LOCATE, MARK AND POTHOLE FOREIGN LINES PRIOR TO EXCAVATION (AND MONITOR DURING DRILLING).
- CONTRACTOR TO SUPPORT EXISTING UTILITIES, PIPELINES AND/OR OTHER FEATURES.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL INDUCED STRESS CALCULATIONS FOR INSTALLATION, OPERATION AND PULL FORCES IF THE PROPOSED DRILL PROFILE IS CHANGED.
- HDD TOLERANCES ARE TO BE WITHIN THE FOLLOWING LIMITS: OFFSET LEFT OR RIGHT OF CENTERLINE: ±2 FEET EXIT LENGTH: ±2 FEET DEPTH: 0 FEET TO -2 FEET

LEGEND

○ MILEPOST MARKER	— PIPELINE	— W — WATER LINE
○ POINT OF INFLECTION	— NATURAL GROUND PROFILE	WETLANDS
○ HDD BORE ENTRY/EXIT	— RAILROAD	PERMANENT EASEMENT
○ PIPELINE MARKER	— FENCE	TEMPORARY WORKSPACE
○ CATHODIC TEST STATION	— FOREIGN PIPELINE	ADDITIONAL TEMP. WORKSPACE
○ INDUCTION BEND	— POWER LINE	COUNTY/PARISH BOUNDARY
○ AERIAL MARKER	— FIBER OPTIC	FABRICATION
○ VALVE	— TELEPHONE LINE	
○ BUOYANCY CONTROL	— CENTERLINE ROAD	
	— PROPERTY LINE	

NO.		DATE	REVISIONS	DR/CH
C		04/16/15	ISSUED FOR CONSTRUCTION	SL/NJL
A		12/24/14	ISSUED FOR APPROVAL	SL/NJL

DISCLAIMER

WILLBROS MAKES NO WARRANTY (EXPRESS, IMPLIED OR OTHERWISE) THAT THE INFORMATION CONTAINED HEREIN IS ACCURATE OR COMPLETE AS TO ANY AND ALL SUBSURFACE CONDITIONS AND CONFORMATION. ANY RELIANCE THE CONTRACTOR PLACES ON INFORMATION CONTAINED HEREIN AS TO SUCH CONDITIONS IS DONE AT ITS OWN RISK AND EXPENSE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE STATE "ONE CALL" SYSTEM PRIOR TO ANY EXCAVATION.

WILLBROS

400 Inverness Pkwy, Ste 400
Denver, CO 80112
303-790-1200

encana

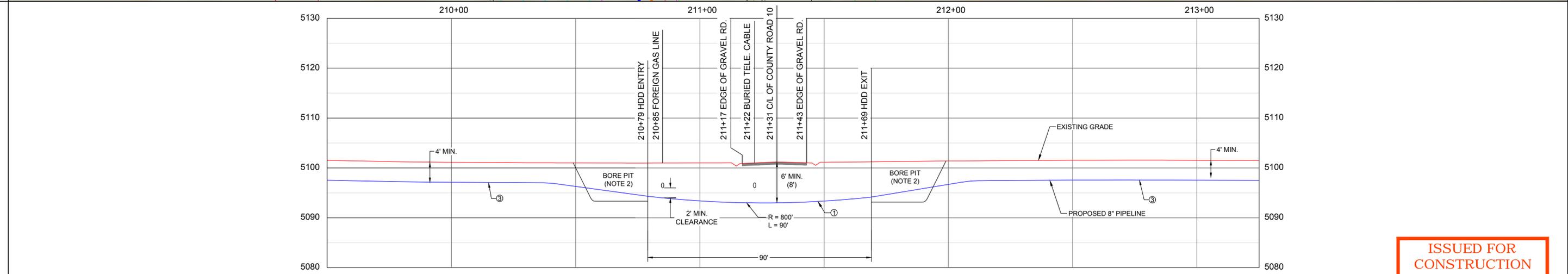
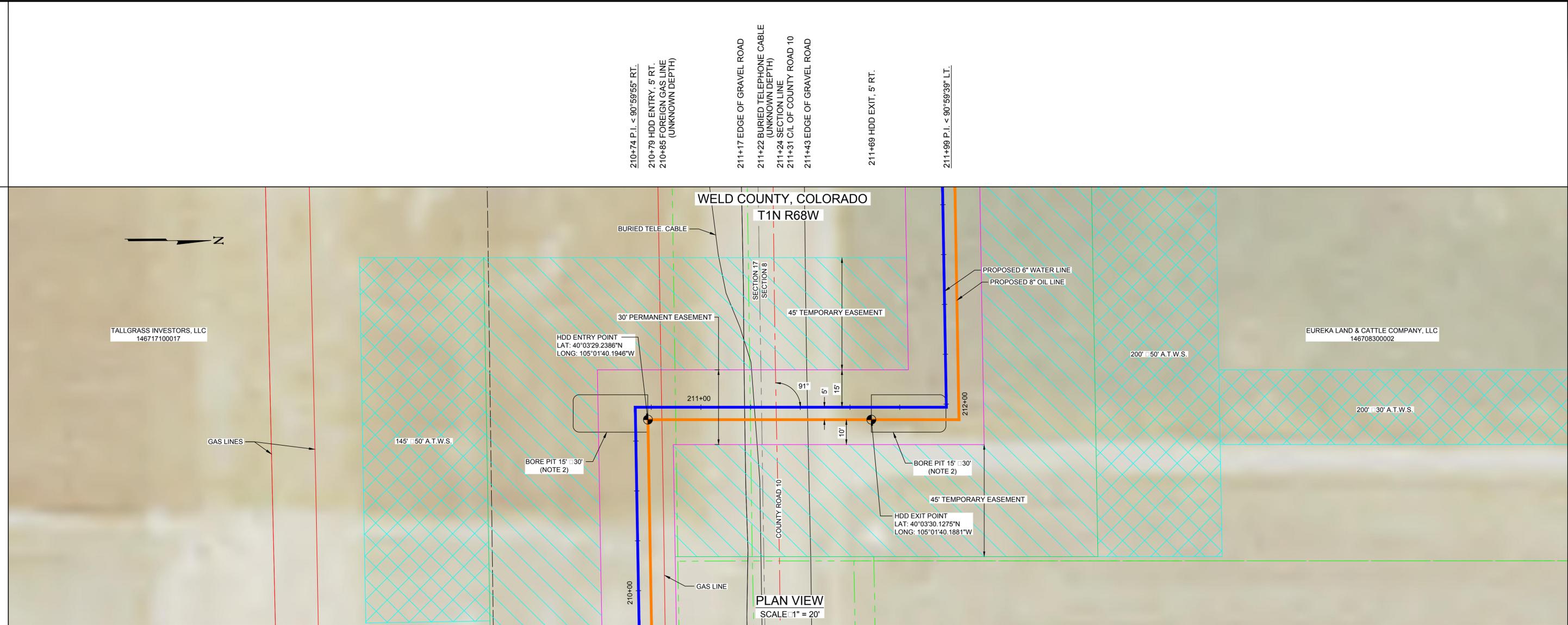
**ENCANA HUB GATHERING SYSTEM
PROPOSED 6" WATER PIPELINE
COUNTY ROAD 5 - HDD
PLAN AND PROFILE
WELD COUNTY, COLORADO**

SCALE: 1" = 20'	DRAWN: SL	CHECKED BY: NJL	DATE: 12/19/14
JOB NO. 52432	DRAWING: 52432-33-136	REV. C	

STATIONING

ALIGNMENT

PROFILE



PROFILE

SCALE: HORIZONTAL 1" = 20' VERTICAL 1" = 10'

ISSUED FOR CONSTRUCTION
 04/16/15

NOTE: THIS DRAWING IS INTENDED TO BE PRINTED AS 22" x 34". PLEASE REFER TO GRAPHIC SCALE, AS DRAWING MAY HAVE BEEN REDUCED OR ENLARGED.

REFERENCE DWG: 52432-31-B-008 - CONSTRUCTION ALIGNMENT SHEET

H SCALE: 1" = 20'
 V SCALE: 1" = 10'

PIPE MATERIAL LIST				MATERIAL LIST			
ITEM NO.	DESCRIPTION	QTY		ITEM NO.	DESCRIPTION	QTY	
1	8.625" OD, 0.250" W.T. API 5L X52 PSL2, 14-16 MIL FBE, 40 MIL ARO	90'					
3	8.625" OD, 0.250" W.T. API 5L X52 PSL2, 14-16 MIL FBE	NA					

GENERAL NOTES

- ALL STATIONS ARE BASED OFF OF CENTERLINE OF EASEMENT.
- BORE PIT DIMENSIONS ARE APPROXIMATE & CAN BE ADJUSTED IN THE FIELD BY THE CONTRACTOR.
- ALL HDD INSTALLATIONS WILL CONFORM TO THE LATEST EDITION OF ENCAN'S PIPELINE SPECIFICATION STANDARDS.
- CONTRACTOR TO LOCATE, MARK AND POTHOLE FOREIGN LINES PRIOR TO EXCAVATION (AND MONITOR DURING DRILLING).
- CONTRACTOR TO SUPPORT EXISTING UTILITIES, PIPELINES AND/OR OTHER FEATURES.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL INDUCED STRESS CALCULATIONS FOR INSTALLATION, OPERATION AND PULL FORCES IF THE PROPOSED DRILL PROFILE IS CHANGED.
- HDD TOLERANCES ARE TO BE WITHIN THE FOLLOWING LIMITS: OFFSET LEFT OR RIGHT OF CENTERLINE: ±2 FEET; EXIT LENGTH: ±2 FEET; DEPTH: 0 FEET TO -2 FEET.

LEGEND

◊	MILEPOST MARKER	—	PIPELINE	—W—	WATER LINE
○	POINT OF INFLECTION	—	NATURAL GROUND PROFILE	▨	WETLANDS
⊙	HDDBORE ENTRY/EXIT	—	RAILROAD	▨	PERMANENT EASEMENT
⊙	PIPELINE MARKER	—	FENCE	▨	TEMPORARY EASEMENT
⊙	CATHODIC TEST STATION	—	FOREIGN PIPELINE	▨	ADDITIONAL WORKSPACE
⊙	INDUCTION BEND	—	POWER LINE	▨	COUNTY/PARISH BOUNDARY
⊙	AERIAL MARKER	—	FIBER OPTIC	▨	FABRICATION
⊙	VALVE	—	TELEPHONE LINE		
⊙	BUOYANCY CONTROL	—	CENTERLINE ROAD		
		—	PROPERTY LINE		

NO.		DATE		REVISIONS		DR/CH
C		04/16/15		ISSUED FOR CONSTRUCTION		SL/NJL
A		12/24/14		ISSUED FOR APPROVAL		SL/NJL

DISCLAIMER

WILLBROS MAKES NO WARRANTY (EXPRESS, IMPLIED OR OTHERWISE) THAT THE INFORMATION CONTAINED HEREIN IS ACCURATE OR COMPLETE AS TO ANY AND ALL SUBSURFACE CONDITIONS AND CONFORMATION. ANY RELIANCE THE CONTRACTOR PLACES ON INFORMATION CONTAINED HEREIN AS TO SUCH CONDITIONS IS DONE AT ITS OWN RISK AND EXPENSE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE STATE 'ONE CALL' SYSTEM PRIOR TO ANY EXCAVATION.

400 Inverness Pkwy, Ste 400
 Denver, CO 80112
 303-790-1200

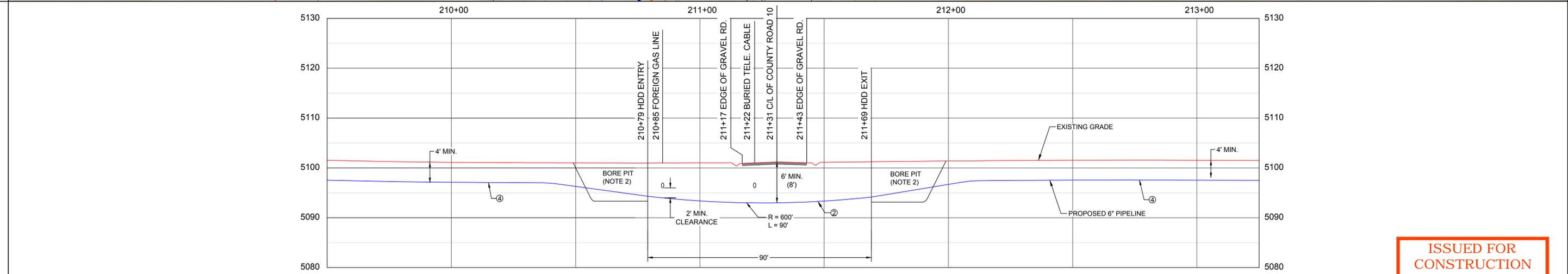
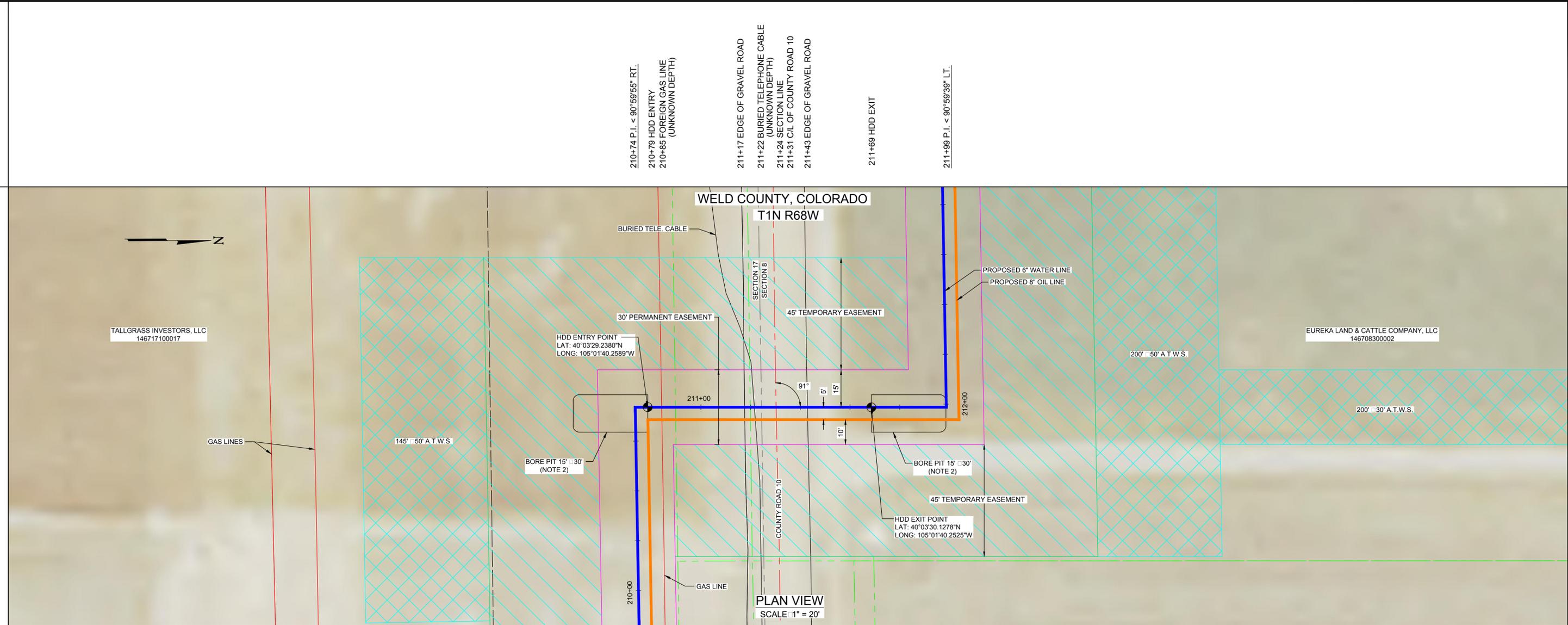
**ENCANA HUB GATHERING SYSTEM
 PROPOSED 8" OIL PIPELINE
 COUNTY ROAD 10 - HDD
 PLAN AND PROFILE
 WELD COUNTY, COLORADO**

SCALE: 1" = 20'	DRAWN: SL	CHECKED BY: NJL	DATE: 12/22/14
JOB NO. 52432	DRAWING: 52432-33-137	REV. C	

STATIONING

ALIGNMENT

PROFILE



PROFILE
SCALE: HORIZONTAL 1" = 20' VERTICAL 1" = 10'

ISSUED FOR CONSTRUCTION
04/16/15

NOTE: THIS DRAWING IS INTENDED TO BE PRINTED AS 22" x 34". PLEASE REFER TO GRAPHIC SCALE, AS DRAWING MAY HAVE BEEN REDUCED OR ENLARGED.

REFERENCE DWG: 52432-31-B-008 - CONSTRUCTION ALIGNMENT SHEET

811
Know what's below.
Call before you dig.

H SCALE: 1" = 20'
V SCALE: 1" = 10'

PIPE MATERIAL LIST			MATERIAL LIST		
ITEM NO.	DESCRIPTION	QTY	ITEM NO.	DESCRIPTION	QTY
2	6.625" OD, 0.250" W.T., API 5L X52 FSL2, 14-16 MIL FBE, 40 MIL ARO INTERNALLY COATED	90'			
4	6.625" OD, 0.250" W.T., API 5L X52 FSL2, 14-16 MIL FBE INTERNALLY COATED	NA			

GENERAL NOTES

- ALL STATIONS ARE BASED OFF OF CENTERLINE OF EASEMENT.
- BORE PIT DIMENSIONS ARE APPROXIMATE & CAN BE ADJUSTED IN THE FIELD BY THE CONTRACTOR.
- ALL HDD INSTALLATIONS WILL CONFORM TO THE LATEST EDITION OF ENCANAS PIPELINE SPECIFICATION STANDARDS.
- CONTRACTOR TO LOCATE, MARK AND POTHOLE FOREIGN LINES PRIOR TO EXCAVATION (AND MONITOR DURING DRILLING).
- CONTRACTOR TO SUPPORT EXISTING UTILITIES, PIPELINES AND/OR OTHER FEATURES.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL INDUCED STRESS CALCULATIONS FOR INSTALLATION, OPERATION AND PULL FORCES IF THE PROPOSED DRILL PROFILE IS CHANGED.
- HDD TOLERANCES ARE TO BE WITHIN THE FOLLOWING LIMITS: OFFSET LEFT OR RIGHT OF CENTERLINE: ±2 FEET EXIT LENGTH: ±2 FEET DEPTH: 0 FEET TO -2 FEET

LEGEND

◊	MILEPOST MARKER	—	PIPELINE	—W—	WATER LINE
○	POINT OF INFLECTION	—	NATURAL GROUND PROFILE	—	WETLANDS
⊙	HDDBORE ENTRY/EXIT	—	RAILROAD	—	PERMANENT EASEMENT
⊙	PIPELINE MARKER	—	FENCE	—	TEMPORARY EASEMENT
⊙	CATHODIC TEST STATION	—	FOREIGN PIPELINE	—	ADDITIONAL TEMP. WORKSPACE
⊙	INDUCTION BEND	—	POWER LINE	—	COUNTY/PARISH BOUNDARY
⊙	AERIAL MARKER	—	FIBER OPTIC	—	FABRICATION
⊙	VALVE	—	TELEPHONE LINE		
⊙	BUOYANCY CONTROL	—	CENTERLINE ROAD		
		—	PROPERTY LINE		

NO.		DATE		REVISIONS		DR/CH
C		04/16/15		ISSUED FOR CONSTRUCTION		SL/NJL
A		12/22/14		ISSUED FOR APPROVAL		SL/NJL

DISCLAIMER

WILLBROS MAKES NO WARRANTY (EXPRESS, IMPLIED OR OTHERWISE) THAT THE INFORMATION CONTAINED HEREIN IS ACCURATE OR COMPLETE AS TO ANY AND ALL SUBSURFACE CONDITIONS AND CONFORMATION. ANY RELIANCE THE CONTRACTOR PLACES ON INFORMATION CONTAINED HEREIN AS TO SUCH CONDITIONS IS DONE AT ITS OWN RISK AND EXPENSE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE STATE 'ONE CALL' SYSTEM PRIOR TO ANY EXCAVATION.

WILLBROS

400 Inverness Pkwy, Ste 400
Denver, CO 80112
303-790-1200

encana

**ENCANA HUB GATHERING SYSTEM
PROPOSED 6" WATER PIPELINE
COUNTY ROAD 10 - HDD
PLAN AND PROFILE
WELD COUNTY, COLORADO**

SCALE: 1"=20'	DRAWN: SL	CHECKED BY: NJL	DATE: 12/22/14
JOB NO. 52432	DRAWING: 52432-33-138	REV. C	