

# T5S, R98W, 6th P.M.

N89°59'E - 5280.00' (G.L.O.)

CHEVRON U.S.A., INC.

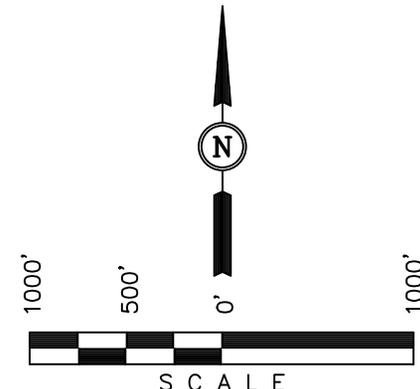
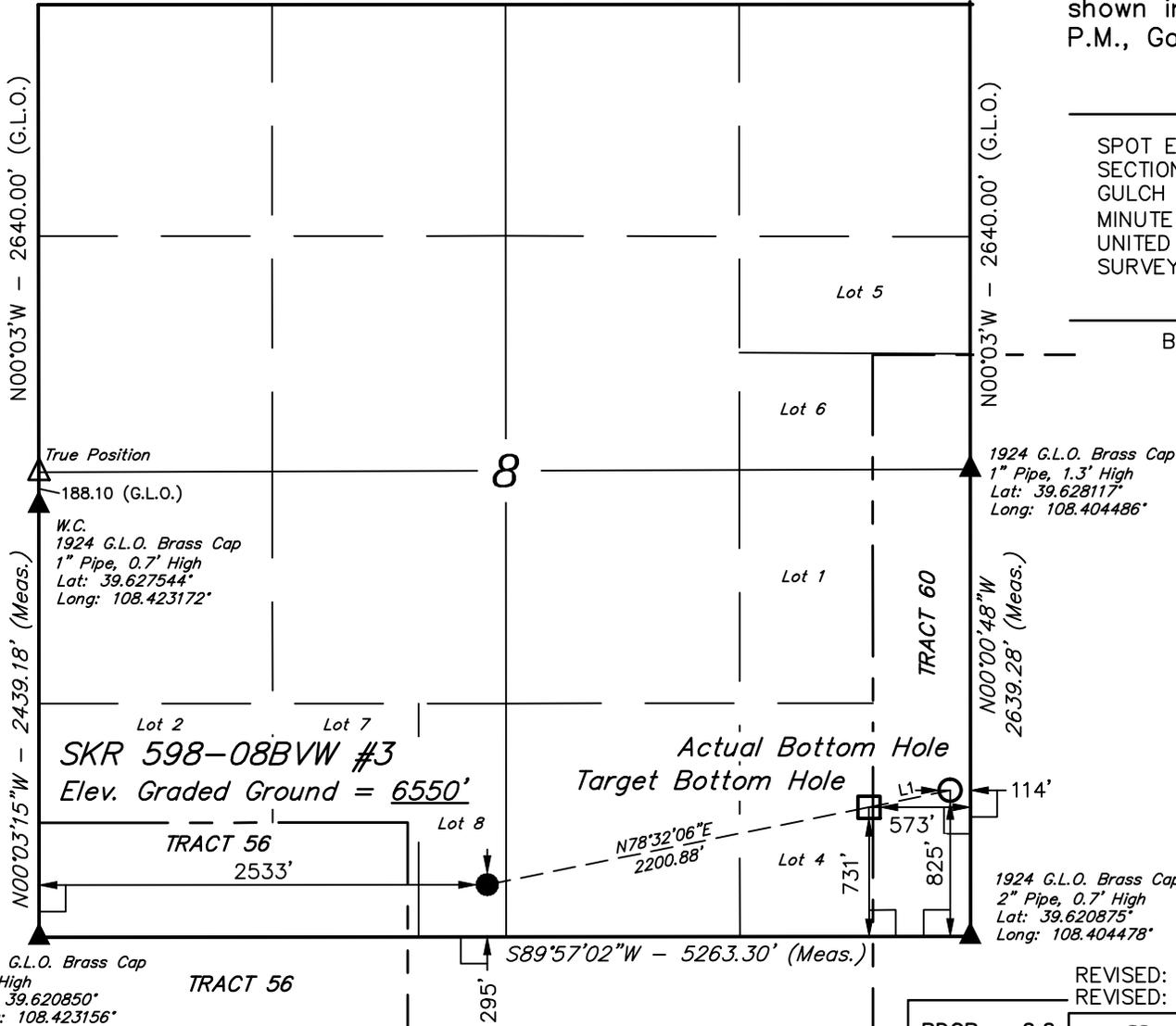
Well location, SKR 598-08BVW #3, located as shown in the Lot 8 of Section 8, T5S, R98W, 6th P.M., Garfield County, Colorado.

## BASIS OF ELEVATION

SPOT ELEVATION LOCATED AT THE EAST 1/4 CORNER OF SECTION 17, T5S, R98W, 6th P.M. TAKEN FROM THE DESERT GULCH QUADRANGLE, GARFIELD COUNTY., COLORADO 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6392 FEET.

## BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



## CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

**ROBERT L. JONES**  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 17492  
STATE OF COLORADO  
06-05-13

REVISED: 06-05-13  
REVISED: 06-03-13

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N78°17'00"E	468.98'

NAD 83 (SURFACE LOCATION)	
LATITUDE	= 39°37'18.02" (39.621672)
LONGITUDE	= 108°24'51.01" (108.414169)
NAD 27 (SURFACE LOCATION)	
LATITUDE	= 39°37'18.11" (39.621697)
LONGITUDE	= 108°24'48.68" (108.413522)

NAD 83 (ACTUAL BOTTOM HOLE)		NAD 83 (TARGET BOTTOM HOLE)	
LATITUDE	= 39°37'23.30" (39.623139)	LATITUDE	= 39°37'22.36" (39.622878)
LONGITUDE	= 108°24'17.59" (108.404886)	LONGITUDE	= 108°24'23.45" (108.406514)
NAD 27 (ACTUAL BOTTOM HOLE)		NAD 27 (TARGET BOTTOM HOLE)	
LATITUDE	= 39°37'23.39" (39.623164)	LATITUDE	= 39°37'22.44" (39.622900)
LONGITUDE	= 108°24'15.26" (108.404239)	LONGITUDE	= 108°24'21.13" (108.405869)

- LEGEND:**
- └─┘ = 90° SYMBOL
  - = PROPOSED WELL HEAD.
  - ▲ = SECTION CORNERS LOCATED.

UINTAH ENGINEERING & LAND SURVEYING			
85 SOUTH 200 EAST - VERNAL, UTAH 84078			
(435) 789-1017			
SCALE 1" = 1000'	DATE SURVEYED: 05-22-13	DATE DRAWN: 05-31-13	
PARTY B.B. J.H. M.D.	REFERENCES G.L.O. PLAT		
WEATHER WARM	FILE CHEVRON U.S.A., INC.		

CHEVRON U.S.A., INC.

CONSTRUCTION LAYOUT FOR

SKR 598-08BVW

SECTION 8, T5S, R98W, 6th P.M.

SE 1/4 SW 1/4

FIGURE #1

SCALE: 1" = 50'

DATE: 02-20-13

DRAWN BY: C.J.C.

REV.: 04-03-13 M.D.

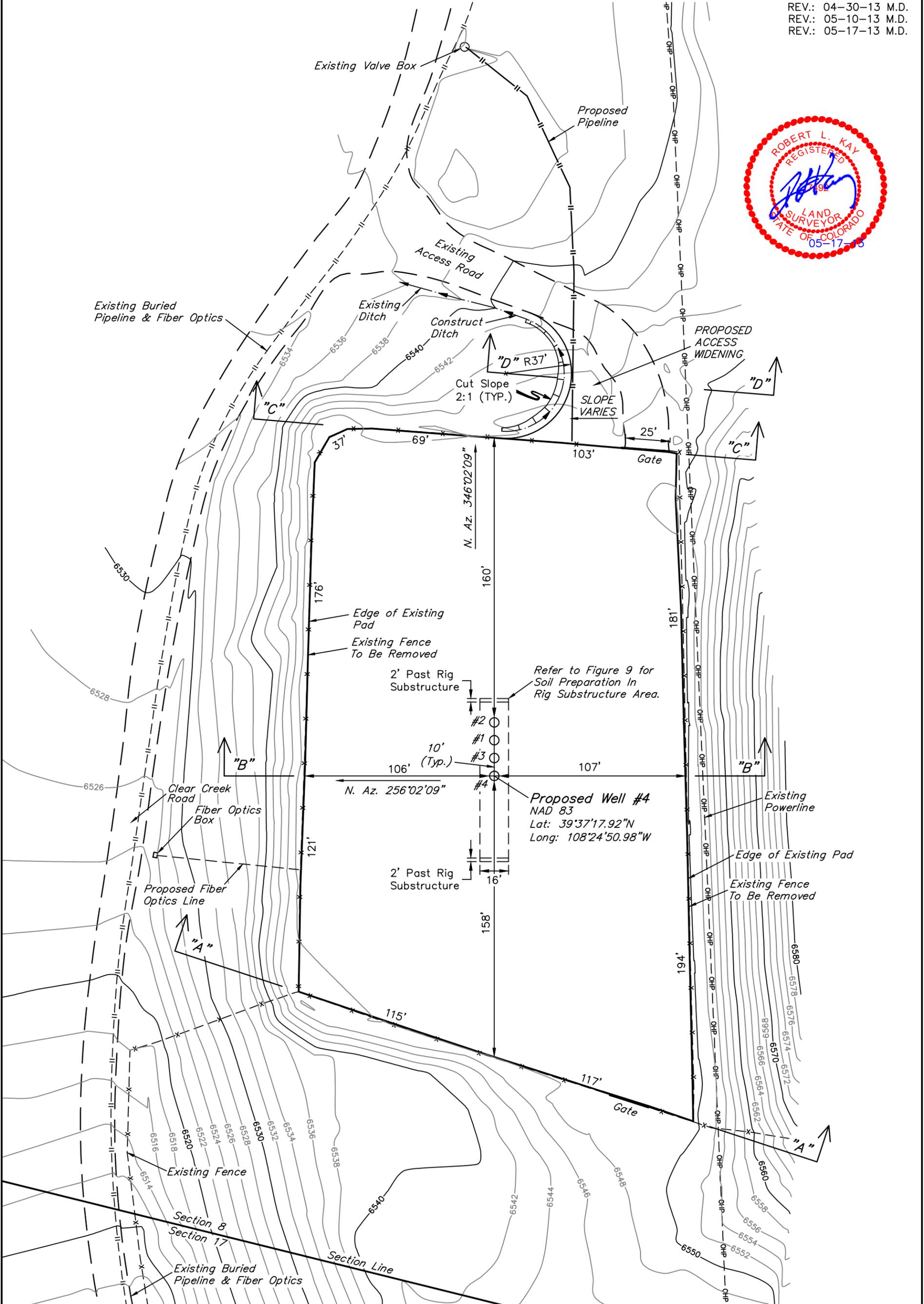
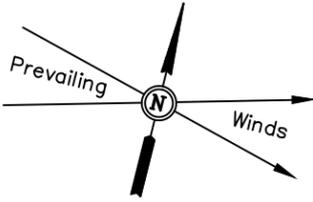
REV.: 04-12-13 M.D.

REV.: 04-26-13 M.D.

REV.: 04-30-13 M.D.

REV.: 05-10-13 M.D.

REV.: 05-17-13 M.D.



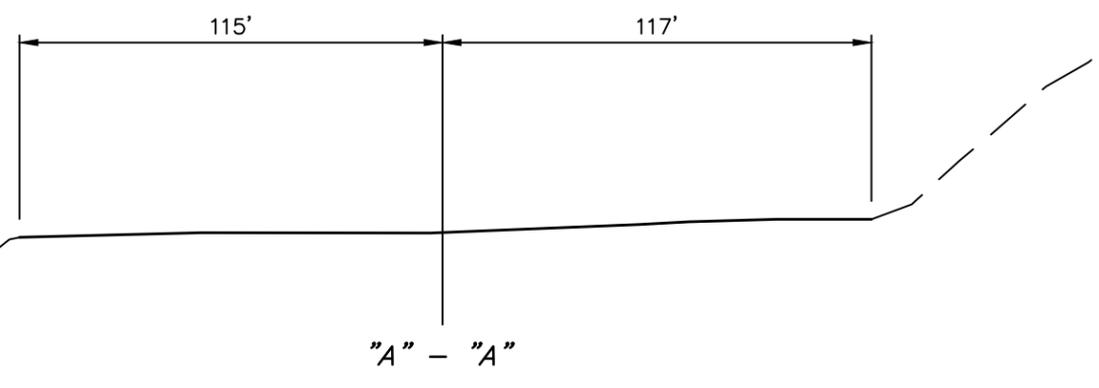
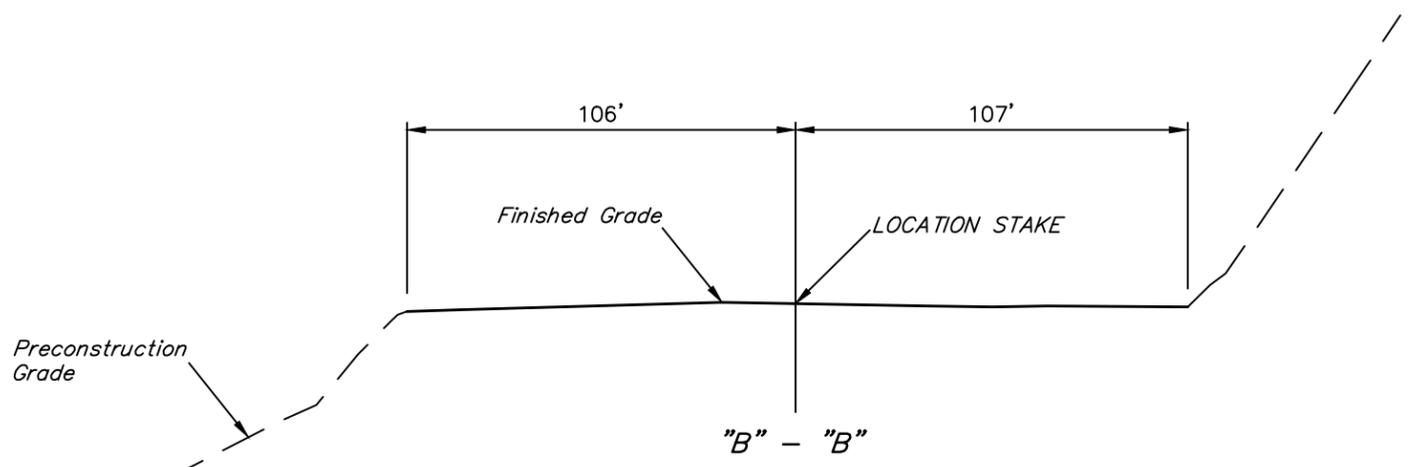
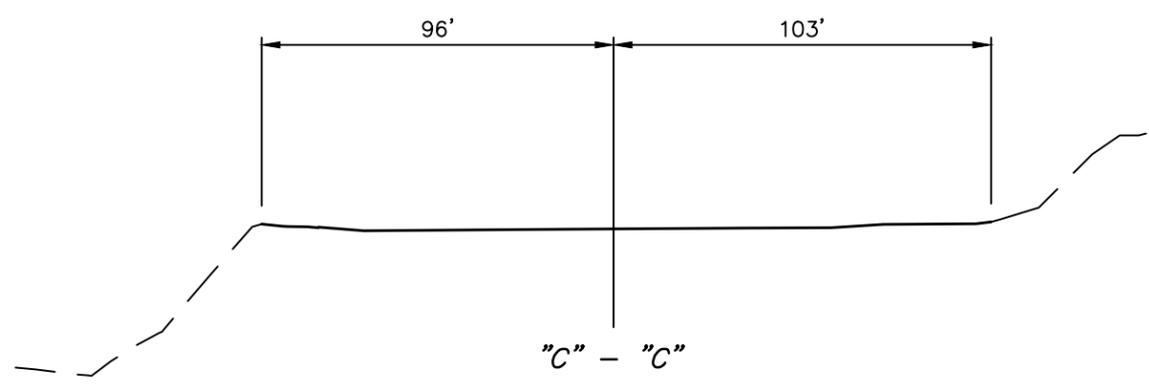
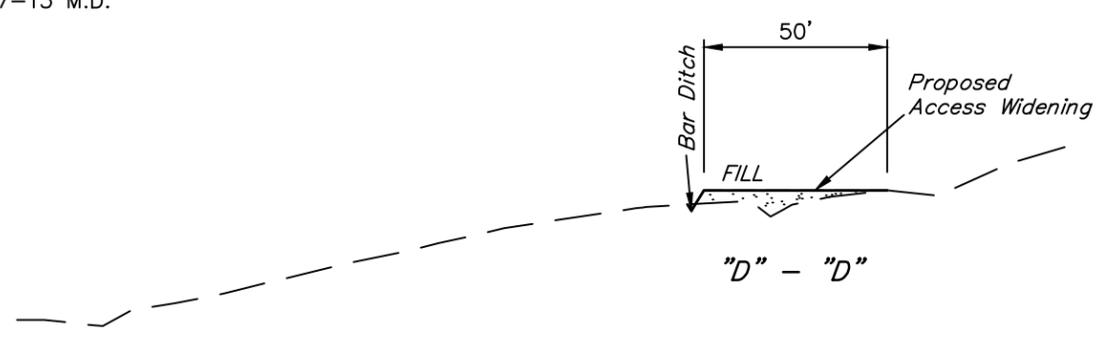
FINISH GRADE ELEV. AT PAD CENTER = 6549.6'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**CHEVRON U.S.A., INC.**  
**CONSTRUCTION LAYOUT CROSS SECTIONS FOR**  
**SKR 598-08BVW**  
**SECTION 8, T5S, R98W, 6th P.M.**  
**SE 1/4 SW 1/4**

**FIGURE #2**

X-Section Scale  
 1" = 20'  
 1" = 50'  
 DATE: 05-14-13  
 DRAWN BY: M.D.  
 REV.: 05-17-13 M.D.



**NOTE:**  
 Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE ACREAGE  
 ACCESS ROAD WIDENING DISTURBANCE = ± 0.044 ACRES

**APPROXIMATE YARDAGES FOR ROAD WIDENING**

(6") Topsoil Stripping	=	40 Cu. Yds.
Remaining Location	=	50 Cu. Yds.
<b>TOTAL CUT</b>	<b>=</b>	<b>90 CU. YDS.</b>
<b>FILL</b>	<b>=</b>	<b>10 CU. YDS.</b>

EXCESS MATERIAL	=	80 Cu. Yds.
Topsoil	=	40 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	40 Cu. Yds.

**\* NOTE:**  
 FILL QUANTITY INCLUDES 10% FOR COMPACTION

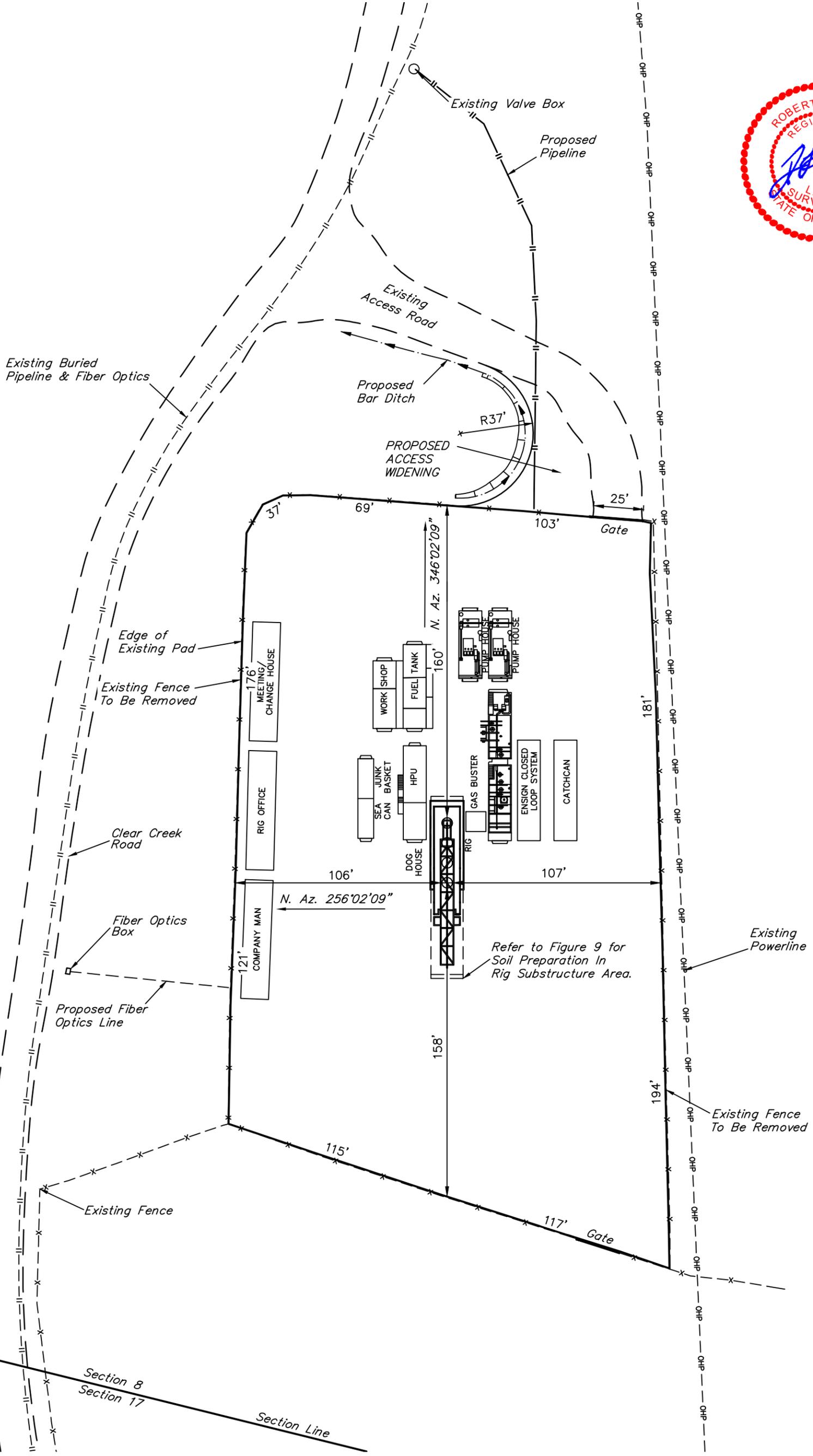
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 85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017



**CHEVRON U.S.A., INC.**  
 TYPICAL RIG LAYOUT FOR  
 SKR 598-08BVW (RIG SHIFT TO THE NORTH)  
 SECTION 8, T5S, R98W, 6th P.M.  
 SE 1/4 SW 1/4

**FIGURE #3**

SCALE: 1" = 50'  
 DATE: 02-20-13  
 DRAWN BY: C.J.C.  
 REV.: 04-03-13 M.D.  
 REV.: 04-05-13 M.D.  
 REV.: 04-26-13 M.D.  
 REV.: 04-30-13 M.D.  
 REV.: 05-10-13 M.D.  
 REV.: 05-17-13 M.D.

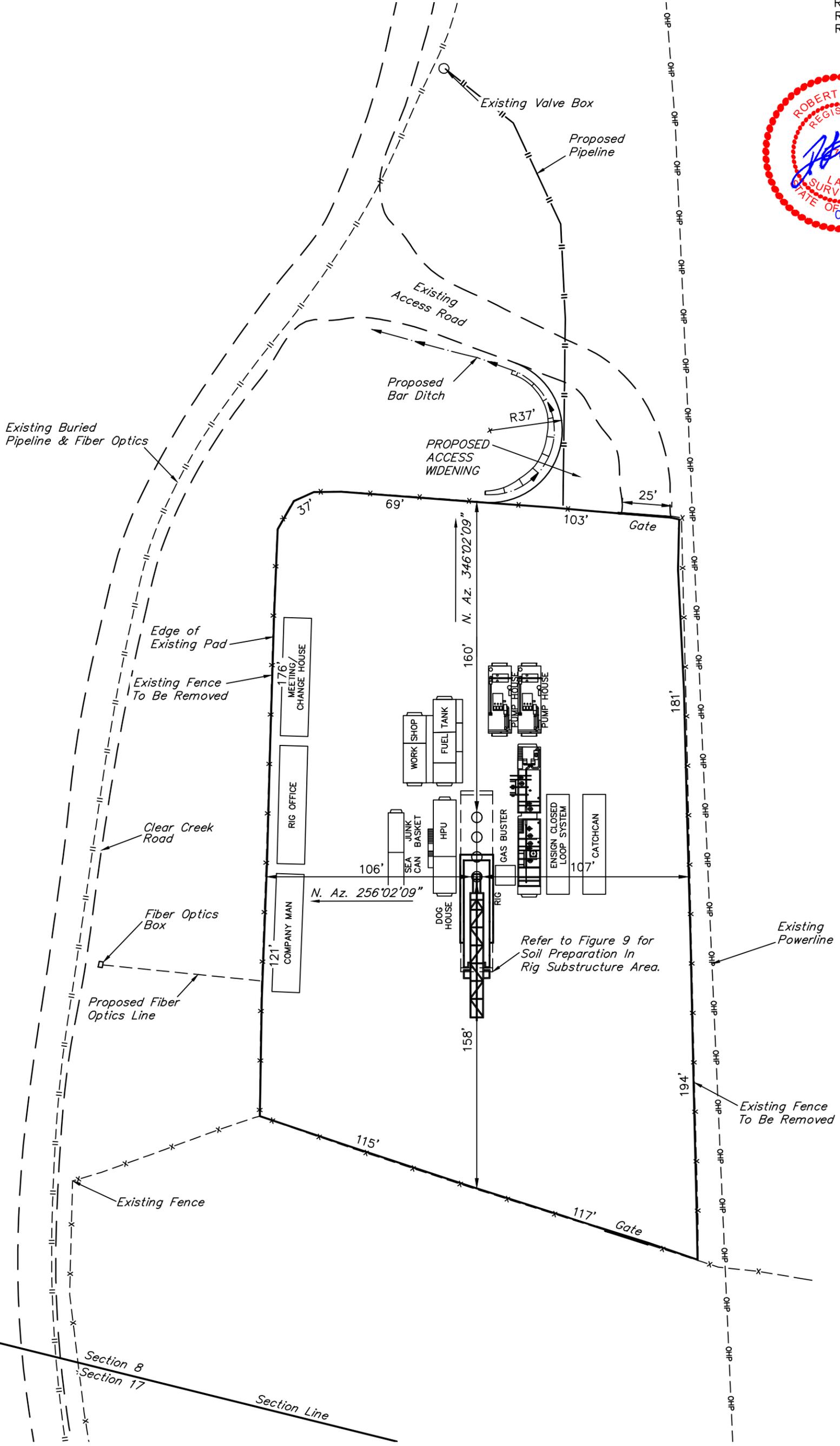




**CHEVRON U.S.A., INC.**  
 TYPICAL RIG LAYOUT FOR  
 SKR 598-08BVW (RIG SHIFT TO THE SOUTH)  
 SECTION 8, T5S, R98W, 6th P.M.  
 SE 1/4 SW 1/4

**FIGURE #4**

SCALE: 1" = 50'  
 DATE: 02-20-13  
 DRAWN BY: C.J.C.  
 REV.: 04-03-13 M.D.  
 REV.: 04-05-13 M.D.  
 REV.: 04-26-13 M.D.  
 REV.: 05-10-13 M.D.  
 REV.: 05-17-13 M.D.

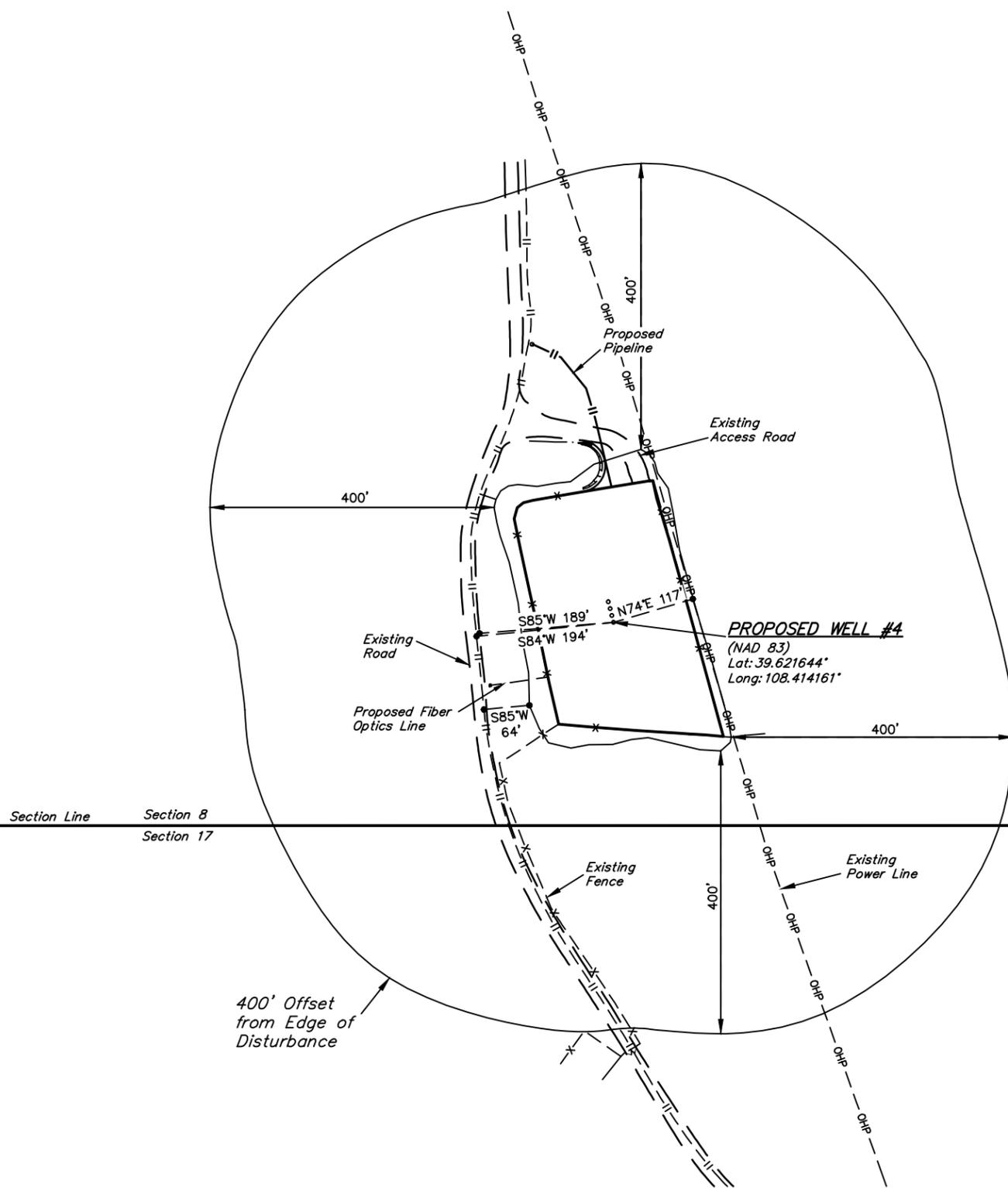




CHEVRON U.S.A., INC.  
LOCATION DRAWING DETAIL FOR  
SKR 598-08BVW  
SECTION 8, T5S, R98W, 6th P.M.  
SE 1/4 SW 1/4

FIGURE #5A

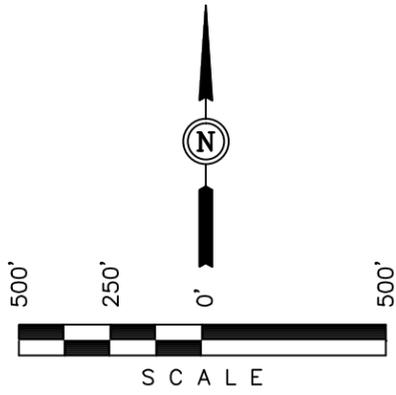
SCALE: 1" = 200'  
DATE: 05-14-13  
DRAWN BY: M.D.  
REV.: 05-17-13 M.D.



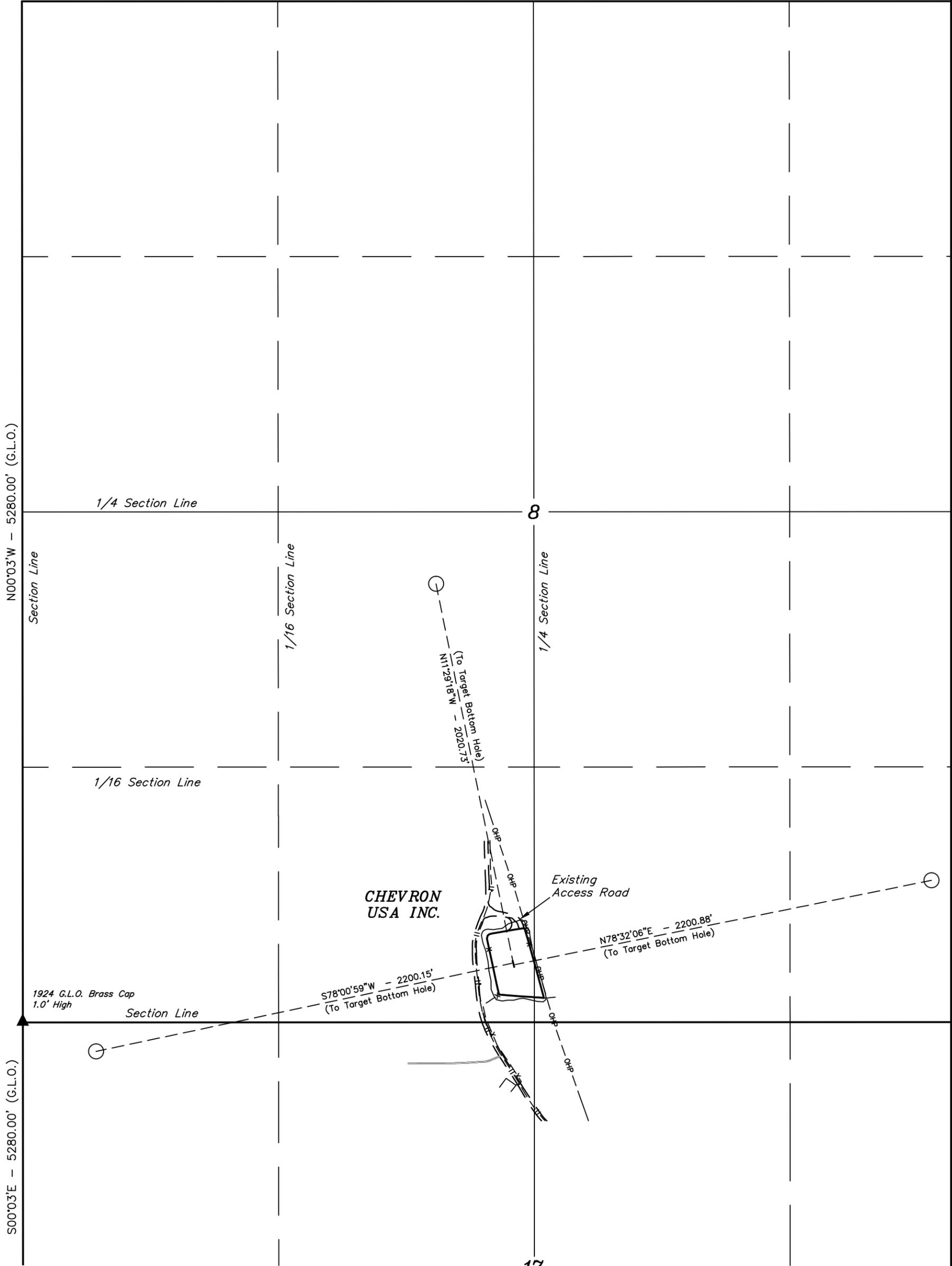
**CHEVRON U.S.A., INC.**  
**BOTTOM HOLE LOCATION DRAWING FOR**  
**SKR 598-08BVW**  
**SECTION 8, T5S, R98W, 6th P.M.**  
**SE 1/4 SW 1/4**

**FIGURE #5B**

DATE: 05-14-13  
 DRAWN BY: M.D.  
 REV: 05-17-13 M.D.



N89°59'E - 5280.00' (G.L.O.)

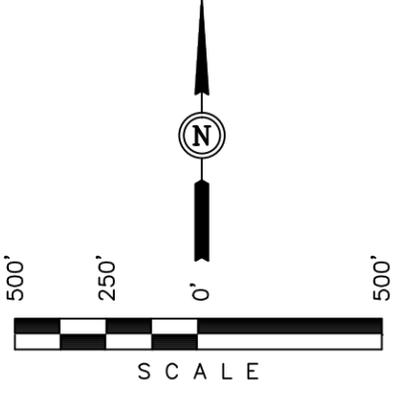


N00°03'W - 5280.00' (G.L.O.)

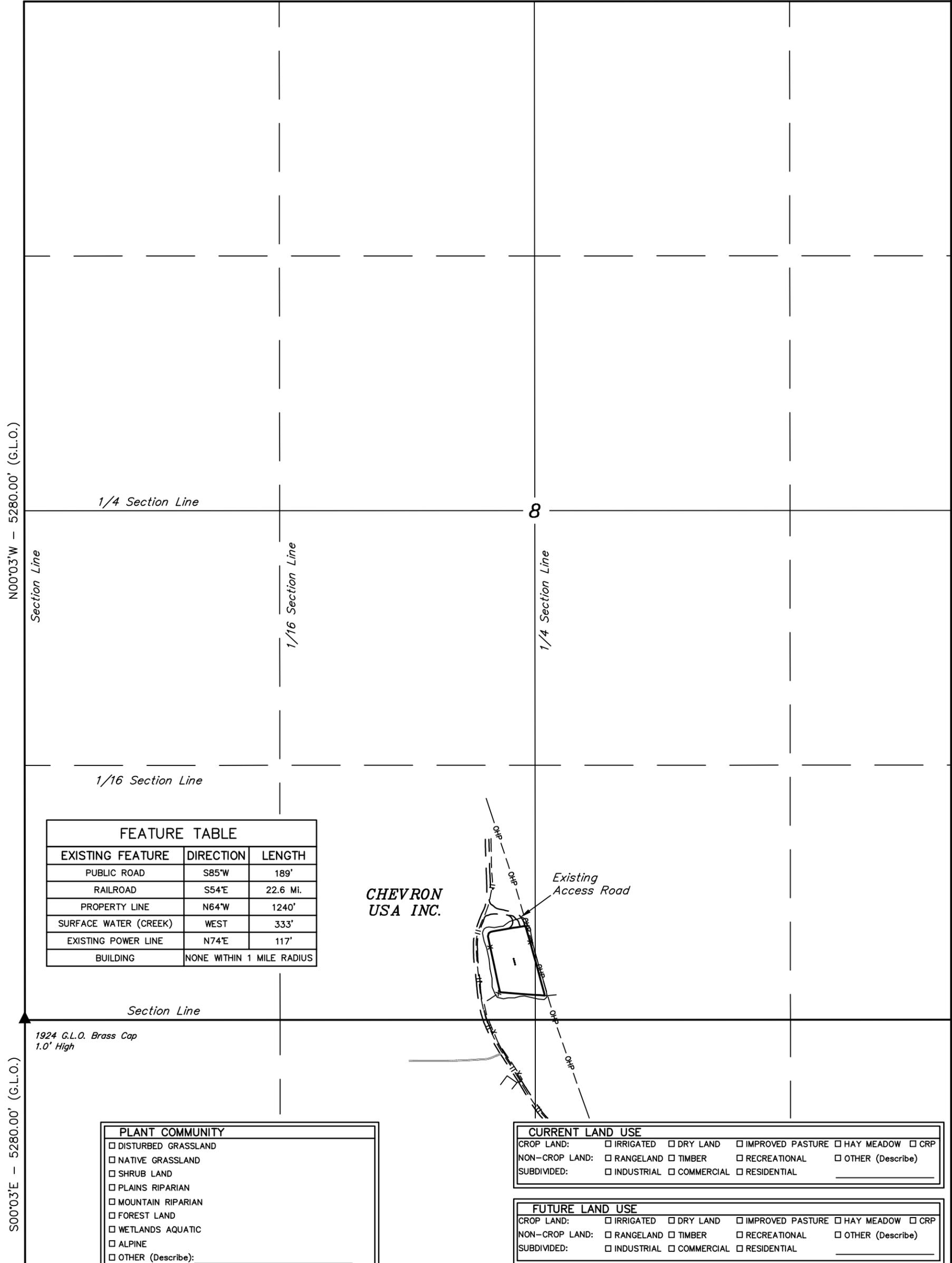
S00°03'E - 5280.00' (G.L.O.)

**CHEVRON U.S.A., INC.**  
 LOCATION DRAWING FOR  
 SKR 598-08BVW  
 SECTION 8, T5S, R98W, 6th P.M.  
 SE 1/4 SW 1/4

**FIGURE #5**  
 DATE: 05-14-13  
 DRAWN BY: M.D.  
 REV.: 05-17-13 M.D.



N89°59'E - 5280.00' (G.L.O.)



FEATURE TABLE		
EXISTING FEATURE	DIRECTION	LENGTH
PUBLIC ROAD	S85°W	189'
RAILROAD	S54°E	22.6 Mi.
PROPERTY LINE	N64°W	1240'
SURFACE WATER (CREEK)	WEST	333'
EXISTING POWER LINE	N74°E	117'
BUILDING	NONE WITHIN 1 MILE RADIUS	

PLANT COMMUNITY
<input type="checkbox"/> DISTURBED GRASSLAND
<input type="checkbox"/> NATIVE GRASSLAND
<input type="checkbox"/> SHRUB LAND
<input type="checkbox"/> PLAINS RIPARIAN
<input type="checkbox"/> MOUNTAIN RIPARIAN
<input type="checkbox"/> FOREST LAND
<input type="checkbox"/> WETLANDS AQUATIC
<input type="checkbox"/> ALPINE
<input type="checkbox"/> OTHER (Describe): _____

CURRENT LAND USE	
CROP LAND:	<input type="checkbox"/> IRRIGATED <input type="checkbox"/> DRY LAND <input type="checkbox"/> IMPROVED PASTURE <input type="checkbox"/> HAY MEADOW <input type="checkbox"/> CRP
NON-CROP LAND:	<input type="checkbox"/> RANGELAND <input type="checkbox"/> TIMBER <input type="checkbox"/> RECREATIONAL <input type="checkbox"/> OTHER (Describe)
SUBDIVIDED:	<input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> COMMERCIAL <input type="checkbox"/> RESIDENTIAL

FUTURE LAND USE	
CROP LAND:	<input type="checkbox"/> IRRIGATED <input type="checkbox"/> DRY LAND <input type="checkbox"/> IMPROVED PASTURE <input type="checkbox"/> HAY MEADOW <input type="checkbox"/> CRP
NON-CROP LAND:	<input type="checkbox"/> RANGELAND <input type="checkbox"/> TIMBER <input type="checkbox"/> RECREATIONAL <input type="checkbox"/> OTHER (Describe)
SUBDIVIDED:	<input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> COMMERCIAL <input type="checkbox"/> RESIDENTIAL

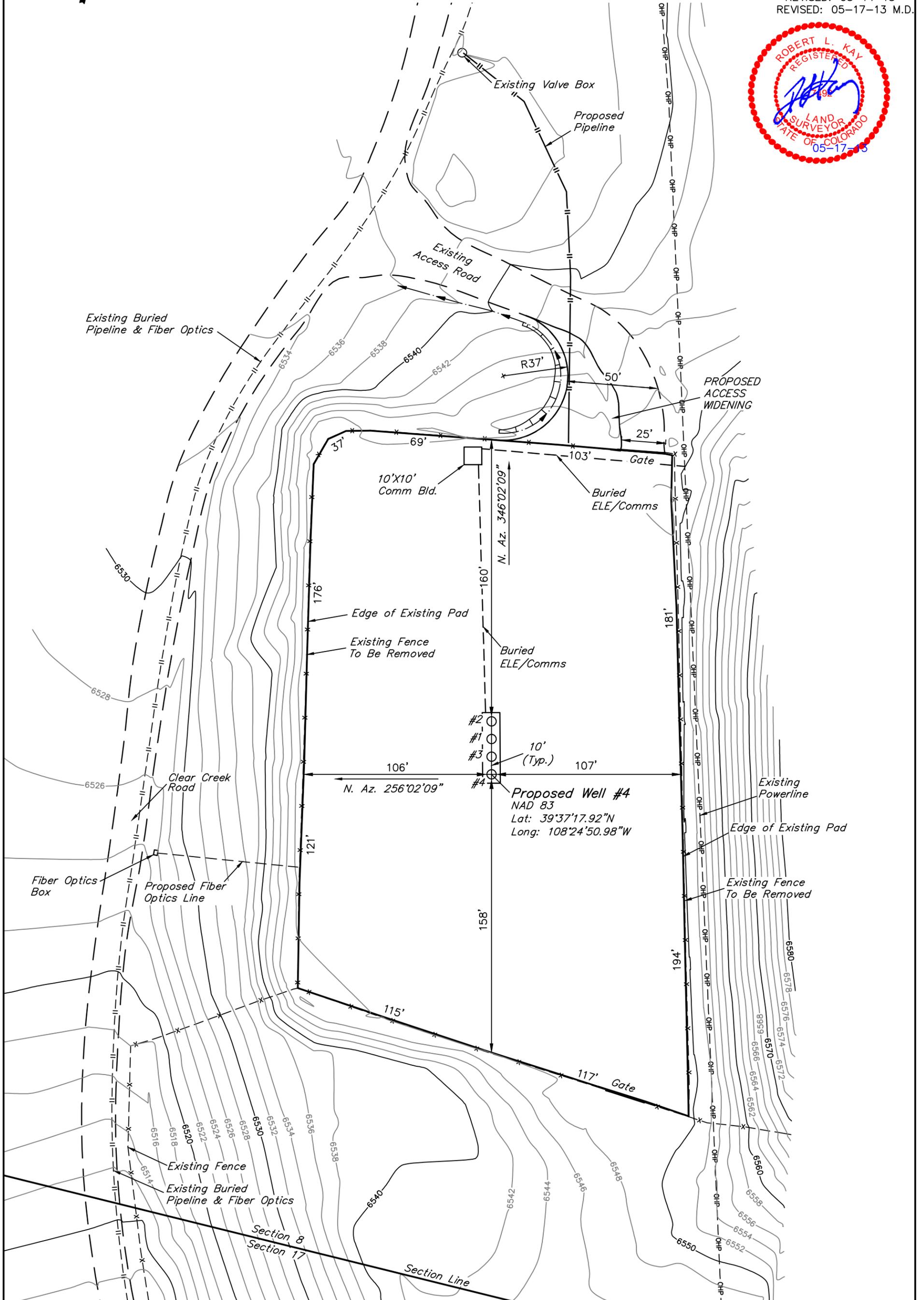


CHEVRON U.S.A., INC.  
 PRODUCTION FACILITIES LAYOUT FOR

SKR 598-08BVW  
 SECTION 8, T5S, R98W, 6th P.M.  
 SE 1/4 SW 1/4

FIGURE #7

SCALE: 1" = 50'  
 DATE: 04-26-13  
 DRAWN BY: M.D.  
 REVISED: 04-30-13  
 REVISED: 05-14-13  
 REVISED: 05-17-13 M.D.



CHEVRON U.S.A., INC.

FINAL RECLAMATION FOR

SKR 598-08BVW

SECTION 8, T5S, R98W, 6th P.M.

SE 1/4 SW 1/4

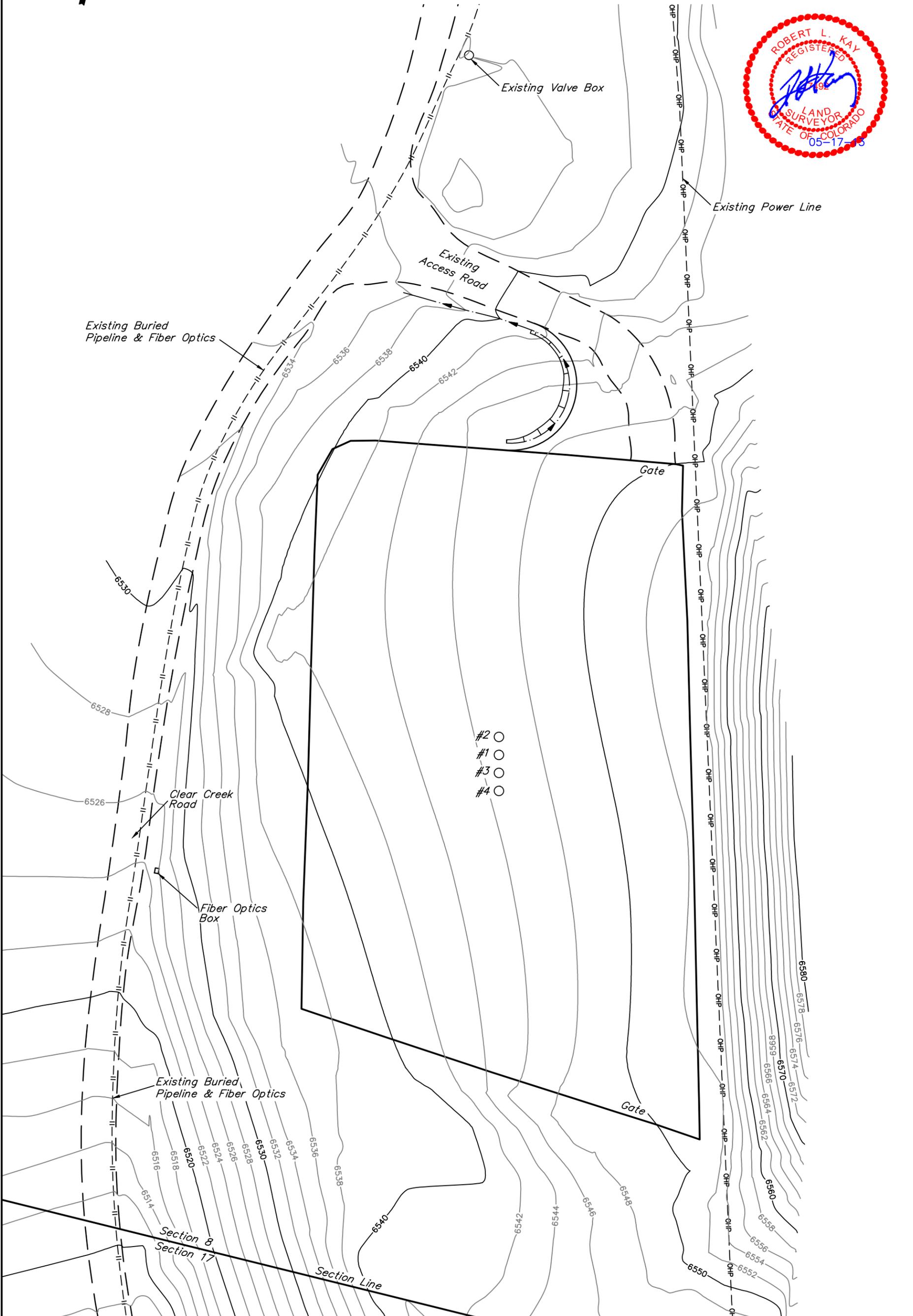
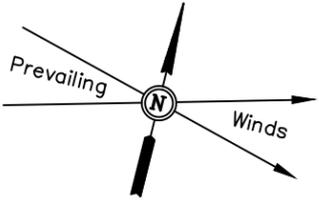
FIGURE #8

SCALE: 1" = 50'

DATE: 05-14-13

DRAWN BY: M.D.

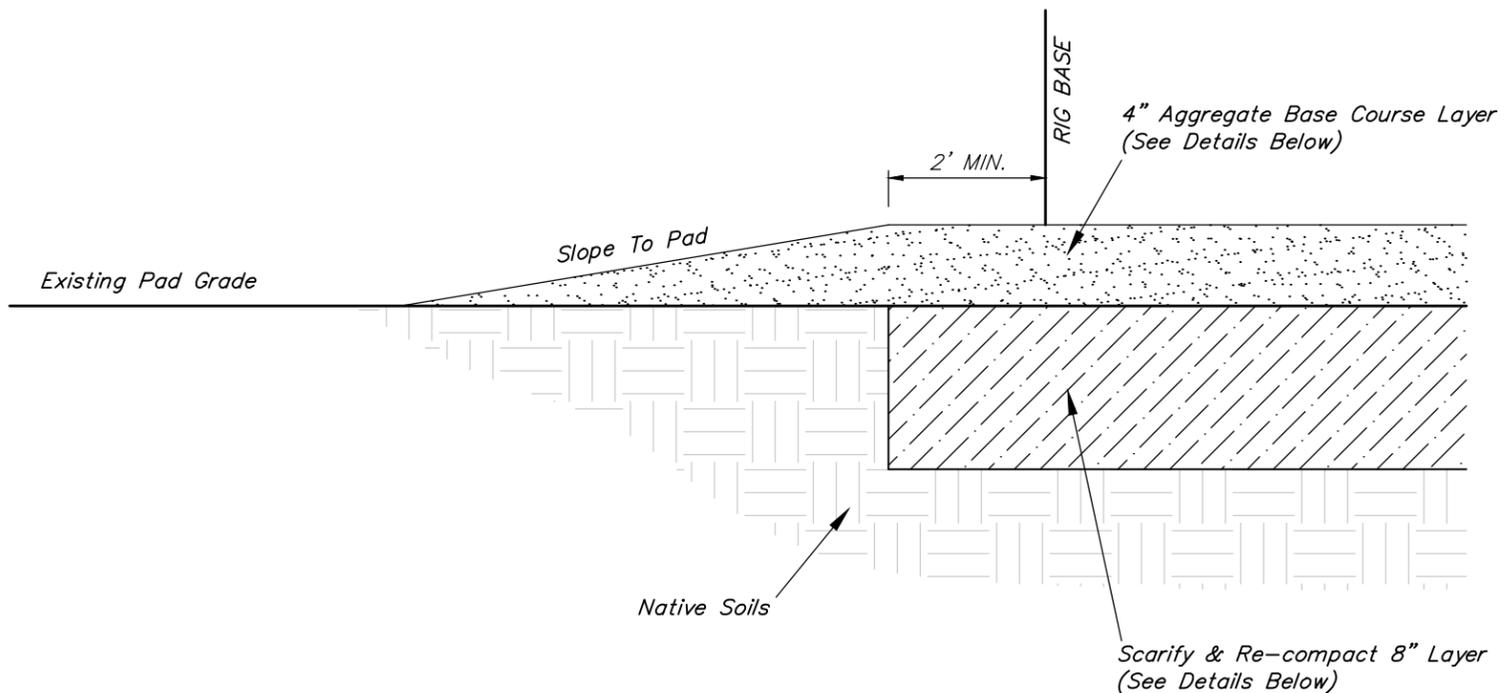
REV.: 05-17-13 M.D.



FINISH GRADE ELEV. AT PAD CENTER = 6549.6'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

SOILS REPORT DETAILS FOR SITE PREPARATION



NOTES FOR SITE SPECIFIC PREPARATION OF THE DRILLING RIG BEARING AREA:

SOILS REPORT BY: HP GEOTECH (HEPWORTH-PAWLAK GEOTECHNICAL)  
 5020 COUNTY ROAD 154  
 GLENWOOD SPRINGS, CO 81601  
 STEVEN L. PAWLAK, PE

SOILS REPORT REFERENCE: GEOTECHNICAL ENGINEERING STUDY FOR FOUNDATION SUPPORT – PROPOSED CHEVRON U.S.A.  
 LAYDOWN YARD EXPANSION  
 (JOB NO. 113 043 A)

SOILS REPORT DATED: APRIL 15, 2013

RIG BEARING SOILS PREPARATION DETAILS

RIG BEARING AREA IS ASSUMED TO BE 15'-10" x 12' (190 SQFT). IF THE ACTUAL RIG BEARING AREA IS LESS, PLEASE CONTACT ENGINEER FOR ADDITIONAL BEARING SOIL PREPARATION.

NATIVE SOILS (TO 10' DEPTH): NATIVE SOILS CONSIST OF LOOSE TO MEDIUM DENSE, SILTY TO CLAYEY SAND WITH GRAVEL FILL SOILS.

SCARIFY & RE-COMPACT: NATIVE SOILS SHALL BE SCARIFIED, MOISTURE CONDITIONED TO NEAR OPTIMUM, AND COMPACTED TO AT LEAST 95% OF STANDARD PROCTOR (ASTM-D698)

AGGREGATE BASE COURSE: 4" LAYER OF CDOT CLASS 6 AGGREGATE BASE COURSE. COMPACT TO 95% OF STANDARD PROCTOR DENSITY AND MOISTURE CONDITIONED TO WITHIN 2% OF OPTIMUM.

GENERAL SITE PREPARATION NOTES:

DRILL RIG BEARING: ALLOWABLE SOIL BEARING PRESSURE = 2,400 PSF (12 FT MINIMUM WIDTH)

GENERAL FOOTINGS: ALLOWABLE SOIL BEARING PRESSURE = 1,000 PSF (2 FT MINIMUM WIDTH)  
 ALLOWABLE SOIL BEARING PRESSURE – 1,500 PSF (4 FT MINIMUM WIDTH)

FROST DEPTH: 42 INCHES

EMBANKMENT FILLS:
 

1. COMPACT FILL IN 8" MAX. LAYERS TO AT LEAST 95% OF MAXIMUM STANDARD PROCTOR DENSITY (ASTM D698) AND MOISTURE CONDITIONED TO WITHIN 2% OF OPTIMUM MOISTURE CONTENT.
2. PERMANENT CUT AND FILL SLOPES SHALL BE GRADED AT 2H:1V
3. BENCH FILL SLOPES IN EXCESS OF 20% GRADE
4. REMOVE TOPSOIL IN AREAS OF FOUNDATION SUPPORT OR PRIOR TO FILL PLACEMENT

CHEVRON U.S.A., INC.  
SKR 598-08BVW  
SECTION 8, T5S, R98W, 6<sup>th</sup> P.M.

PROCEED IN A NORTHWESTERLY DIRECTION FROM DE BEQUE, COLORADO ALONG COUNTY ROAD 204 APPROXIMATELY 12.5 MILES TO THE JUNCTION OF THIS ROAD AND COUNTY ROAD 211 TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY, THEN NORTHWESTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 4.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; CONTINUE IN A NORTHEASTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 8.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE EXISTING LOCATION.

TOTAL DISTANCE FROM DE BEQUE, COLORADO TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 24.7 MILES.

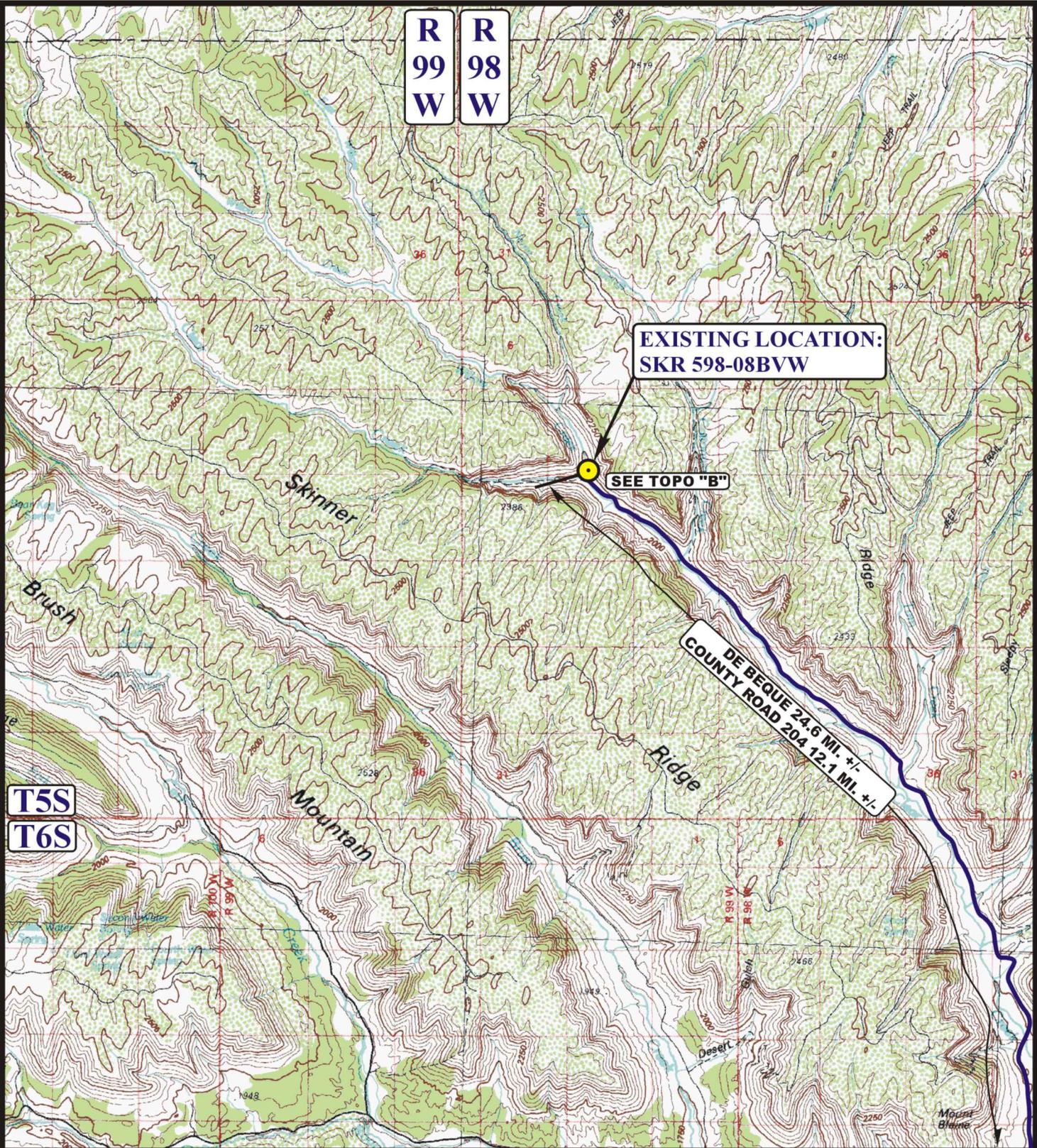
R 99 W  
R 98 W

EXISTING LOCATION:  
SKR 598-08BVW

SEE TOPO "B"

DE BEQUE 24.6 MI. +/-  
COUNTY ROAD 204 12.1 MI. +/-

T5S  
T6S



**LEGEND:**

 PROPOSED LOCATION



**CHEVRON U.S.A., INC.**

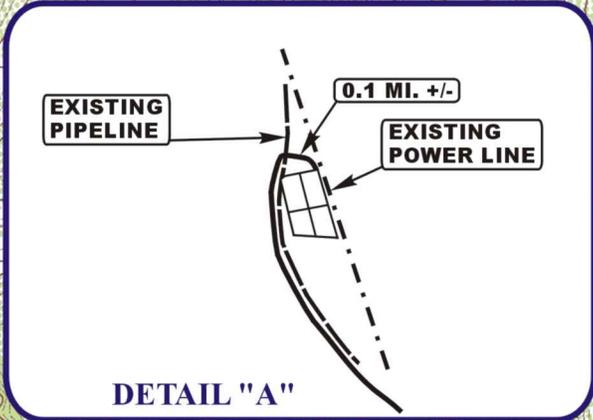
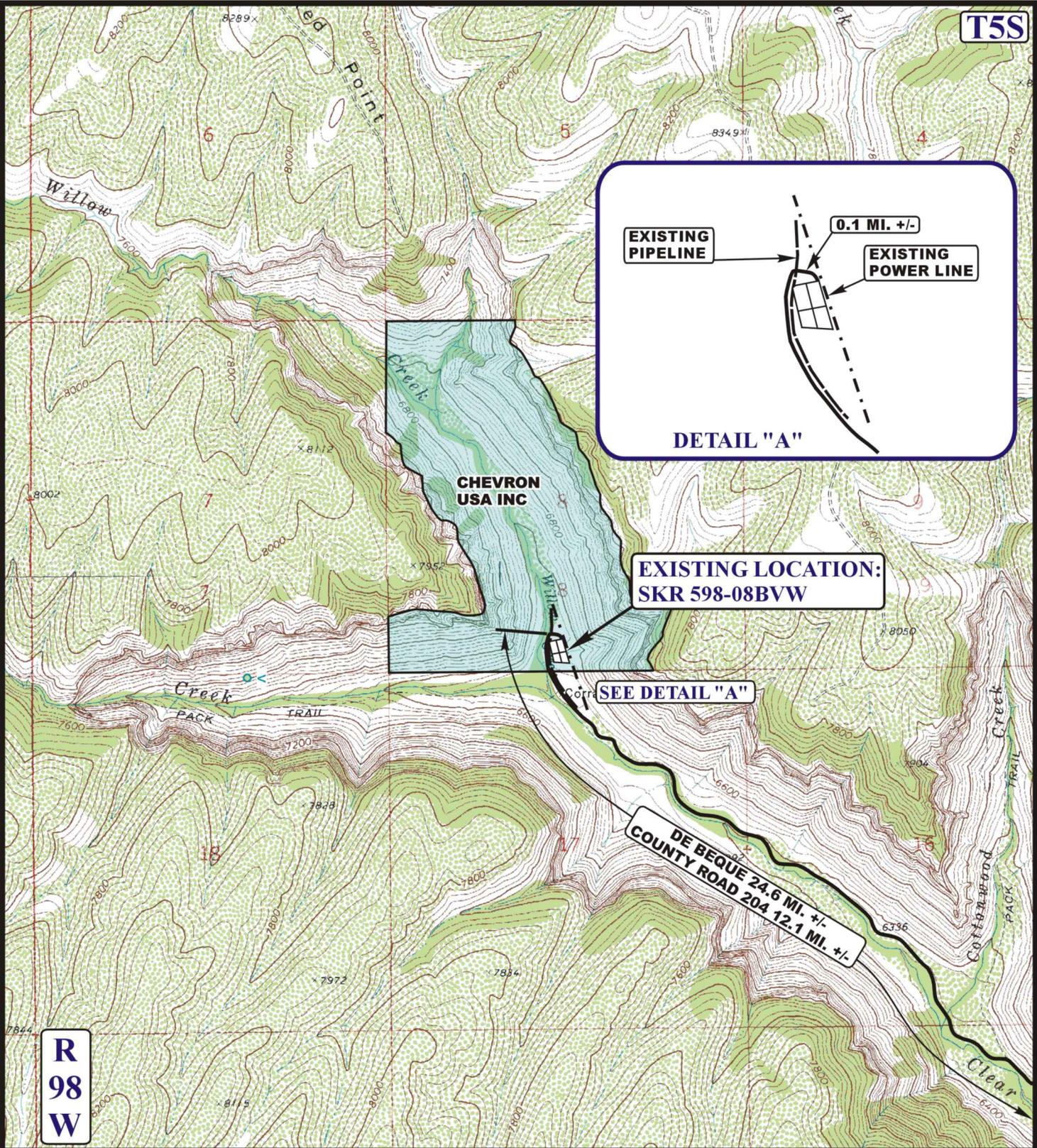
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SE 1/4 SW 1/4



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

ACCESS ROAD MAP	05	15	13	
	MONTH	DAY	YEAR	
SCALE: 1:100,000	DRAWN BY: C.I.		REVISED: 05-17-13	

T5S



EXISTING LOCATION:  
SKR 598-08BVW

SEE DETAIL "A"

DE BEQUE 24.6 MI. +/-  
COUNTY ROAD 204 12.1 MI. +/-

R  
98  
W

**LEGEND:**

- EXISTING ROAD
- EXISTING PIPELINE
- EXISTING POWER LINE



**CHEVRON U.S.A., INC.**

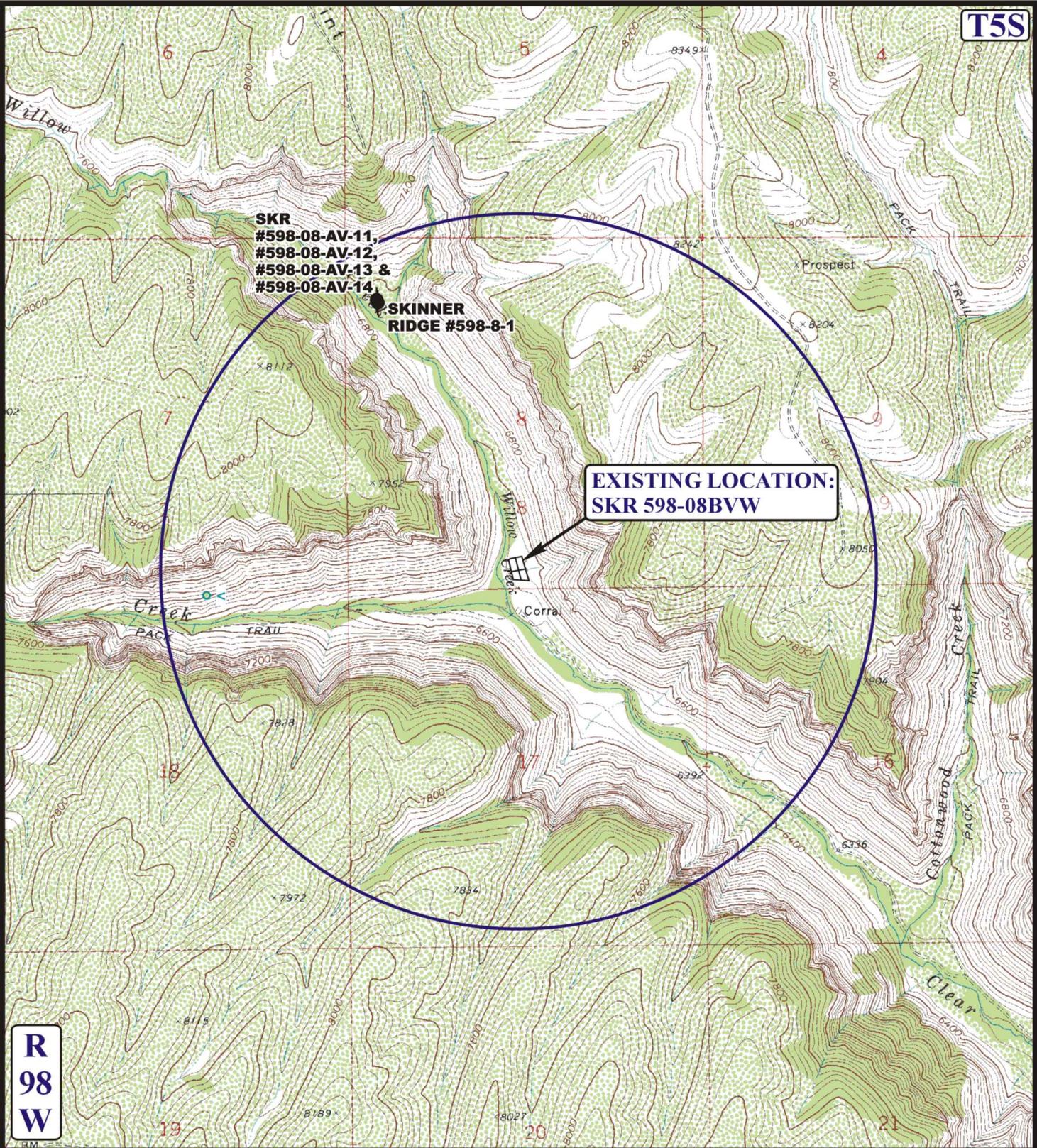
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SE 1/4 SW 1/4



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<b>ACCESS ROAD MAP</b>	<b>05</b>	<b>15</b>	<b>13</b>	<b>B TOPO</b>
	MONTH	DAY	YEAR	
SCALE: 1" = 2000'	DRAWN BY: C.L.		REVISED: 05-17-13	

T5S



**EXISTING LOCATION:  
SKR 598-08BVW**

R  
98  
W

**LEGEND:**

- ⊘ DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED



**CHEVRON U.S.A., INC.**

**SKR 598-08BVW**  
**SECTION 8, T5S, R98W, 6th P.M.**  
**SE 1/4 SW 1/4**



**Utah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

<b>TOPOGRAPHIC MAP</b>	<b>05</b>	<b>15</b>	<b>13</b>	<b>C TOPO</b>
	MONTH	DAY	YEAR	
SCALE: 1" = 2000'	DRAWN BY: C.I.		REVISED: 05-17-13	