

T5S, R98W, 6th P.M.

N89°59'E - 5280.00' (G.L.O.)

CHEVRON U.S.A., INC.

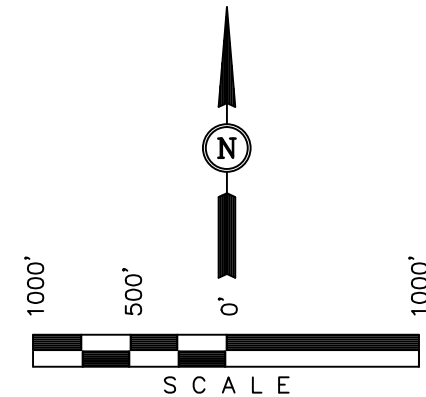
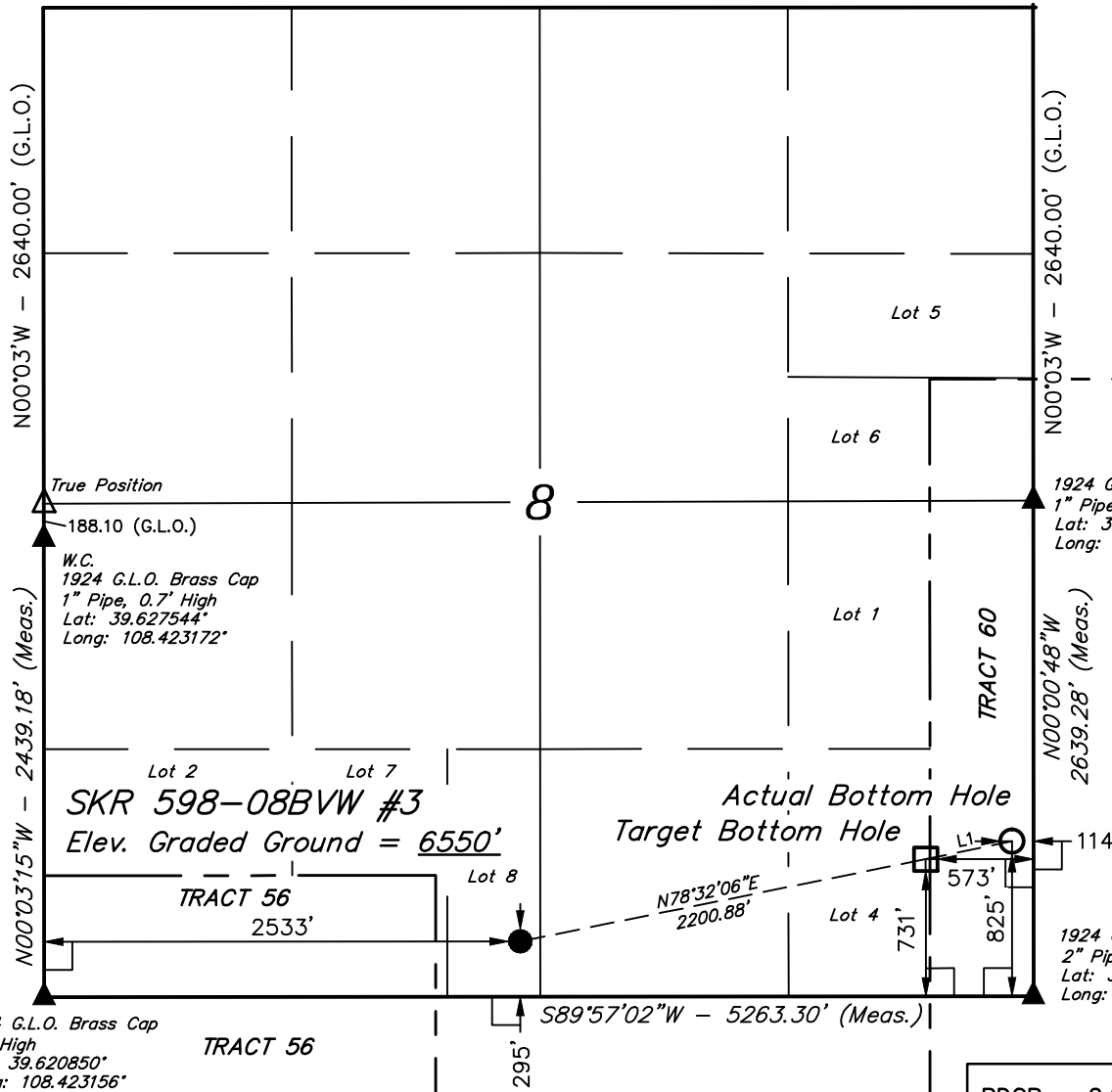
Well location, SKR 598-08BVW #3, located as shown in the Lot 8 of Section 8, T5S, R98W, 6th P.M., Garfield County, Colorado.

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. JENSEN
 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 (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)

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)

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.	

LEGEND:

- └─ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

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.

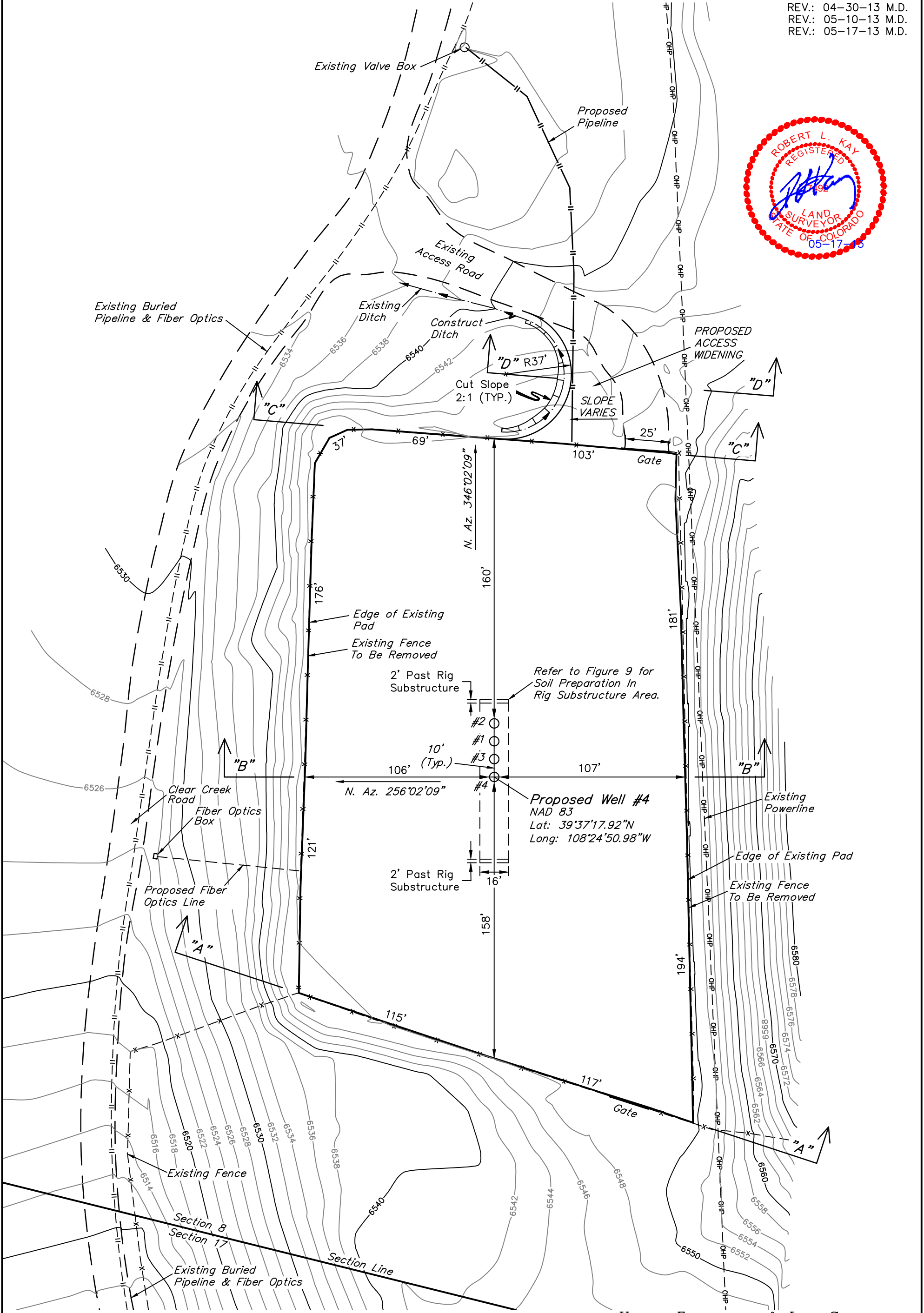
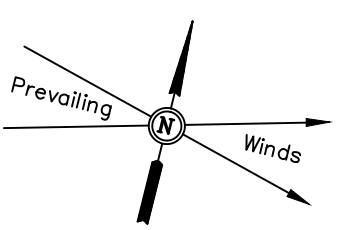
REV.: 04-12-13 M.D.

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

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

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

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



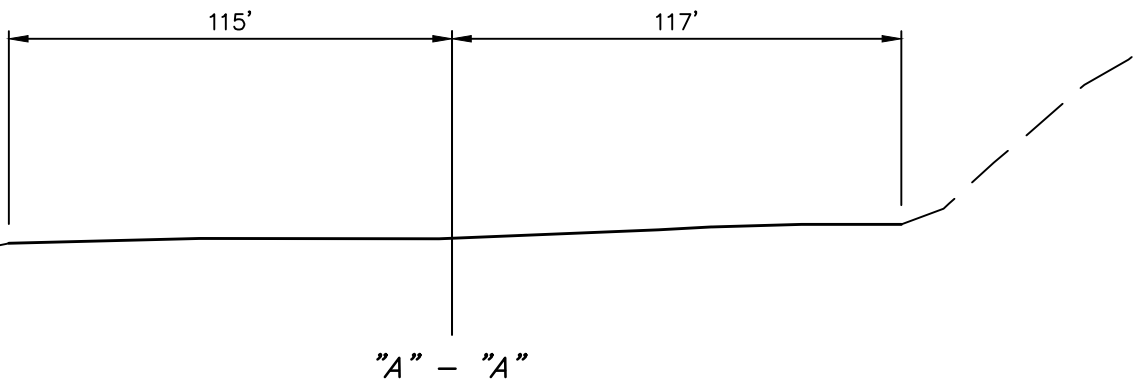
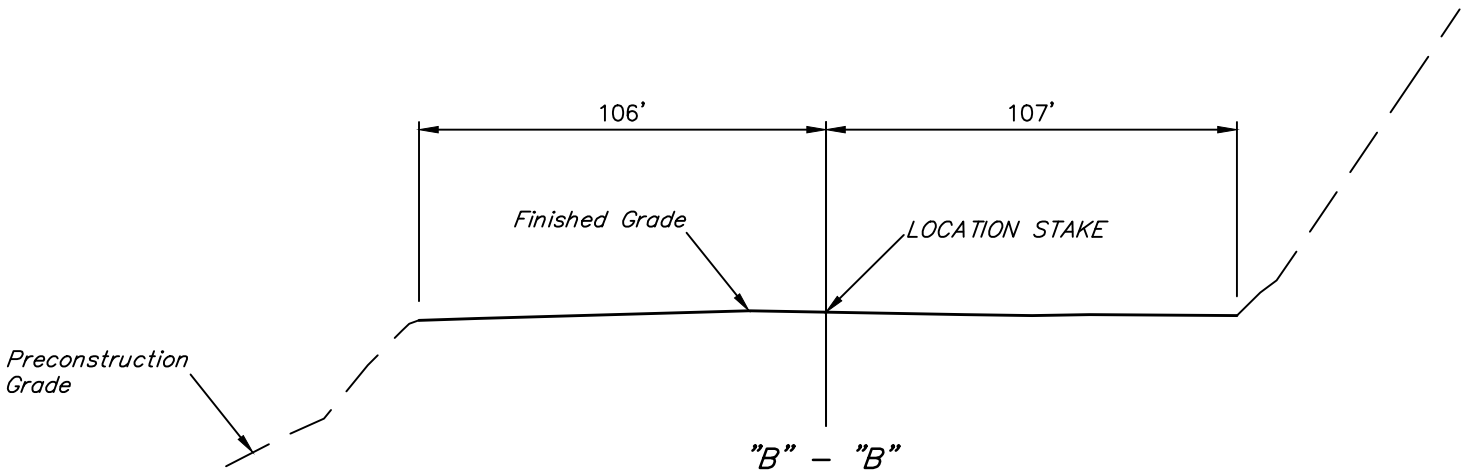
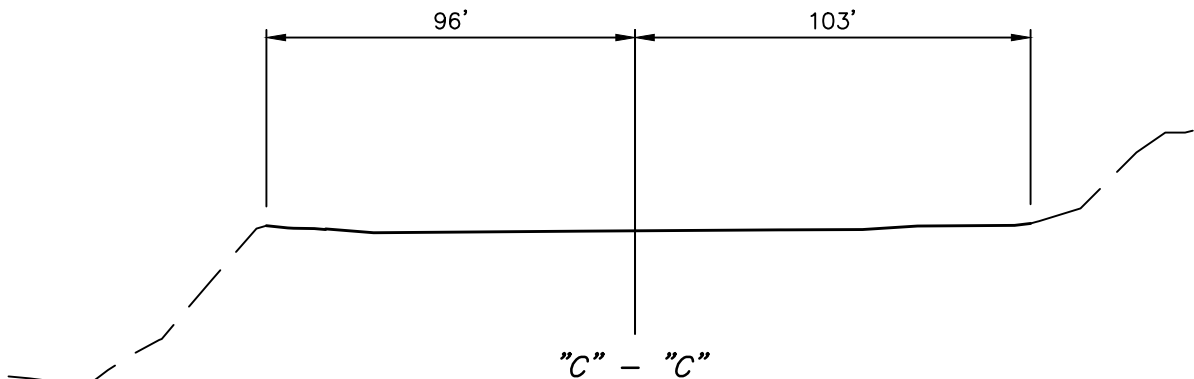
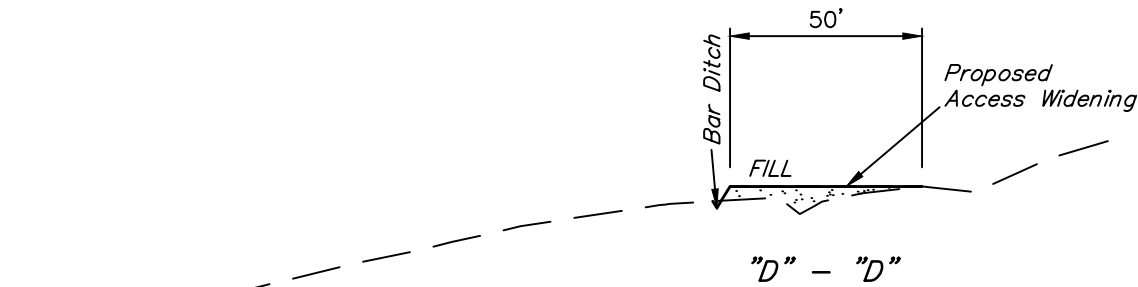
FINISH GRADE ELEV. AT PAD CENTER = 6549.6'

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

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



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.
TOTAL CUT = 90 CU. YDS.
FILL = 10 CU. YDS.

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

* NOTE:
FILL QUANTITY INCLUDES
10% FOR COMPACTION

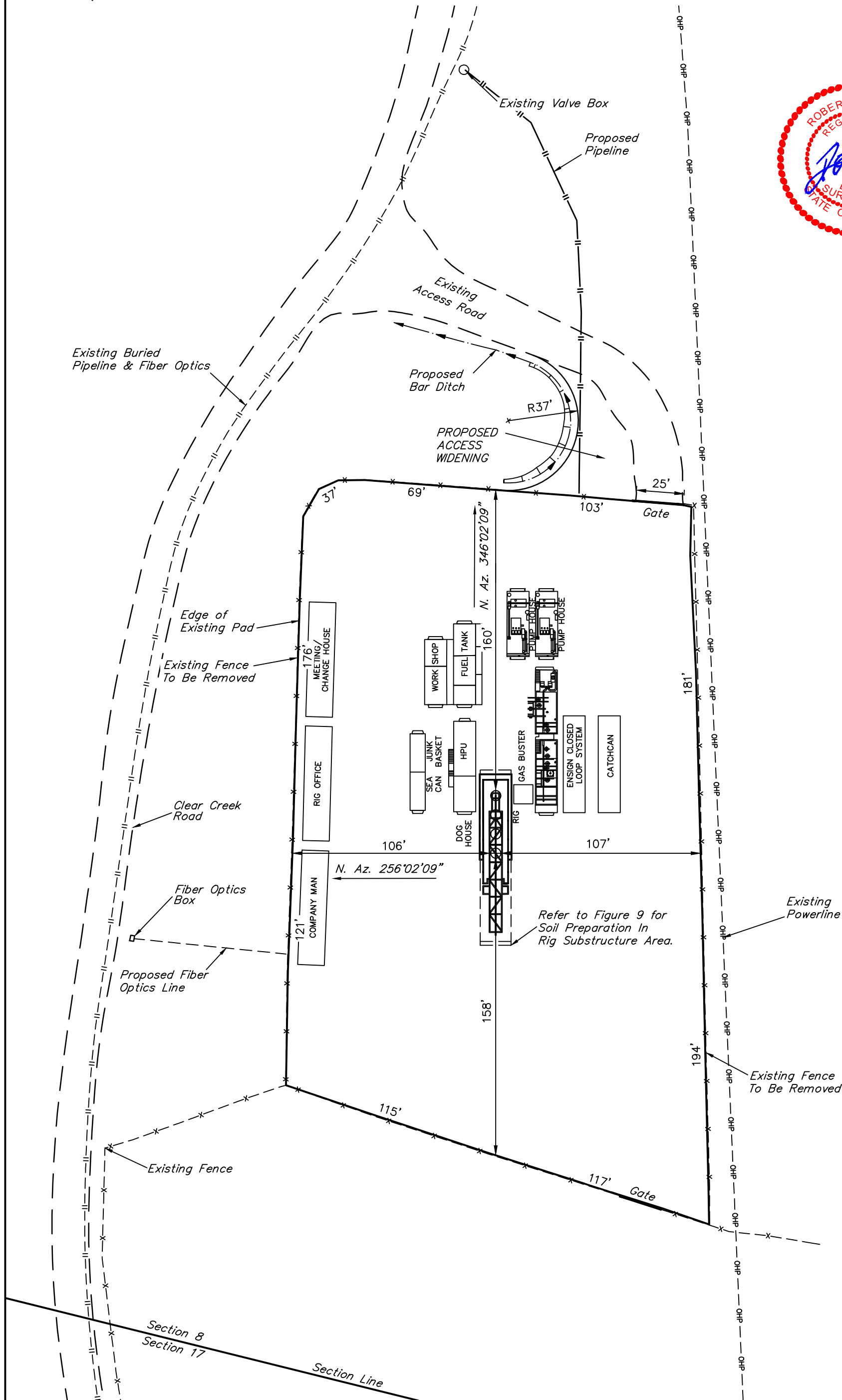
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CHEVRON U.S.A., INC.
TYPICAL RIG LAYOUT FOR
SKR 598-08BVW (RIG SHIFT TO THE NORTH)
SECTION 8, T5S, R98W, 6th P.M.
SE 1/4 SW 1/4

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.

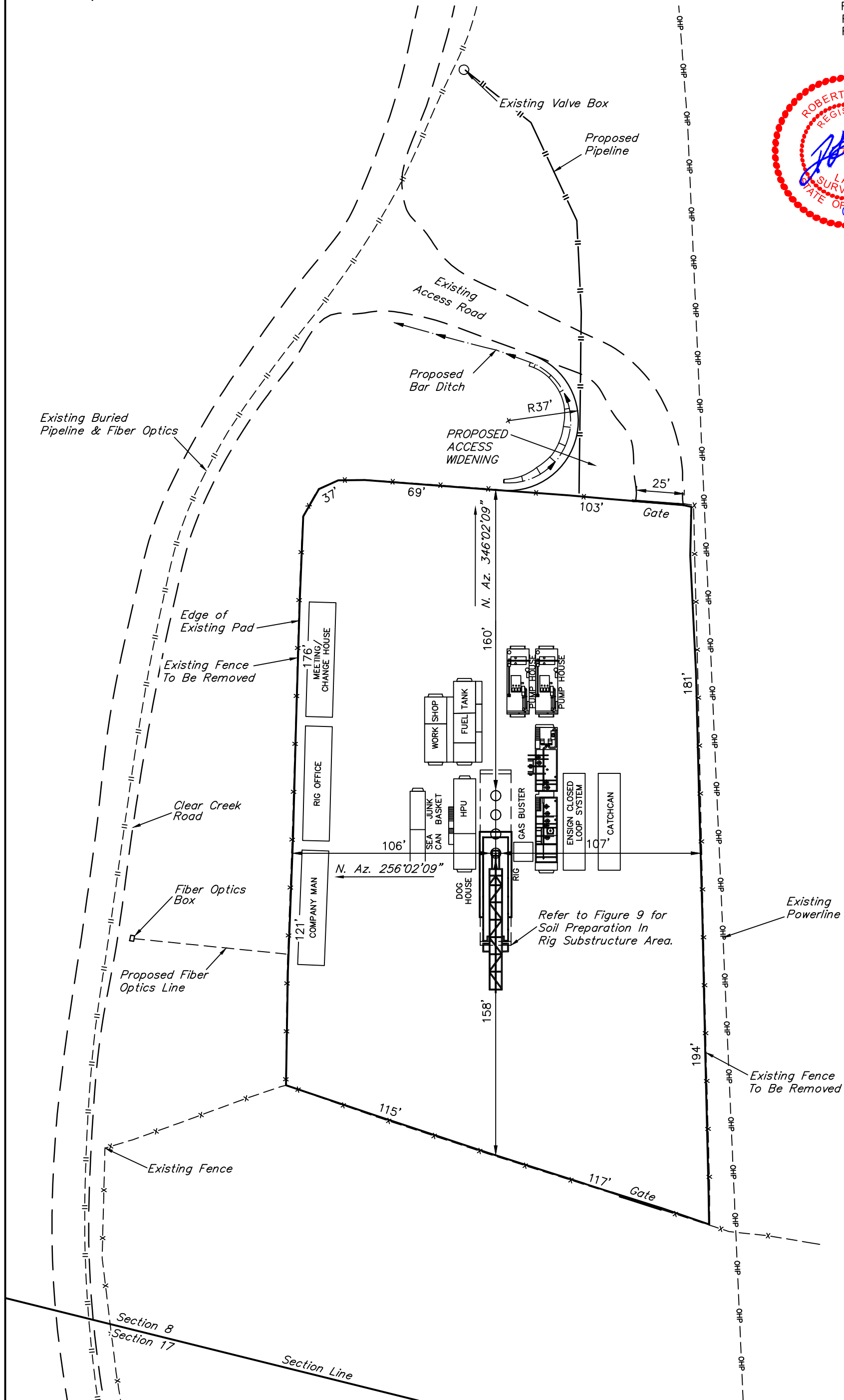




CHEVRON U.S.A., INC.
TYPICAL RIG LAYOUT FOR
SKR 598-08BVW (RIG SHIFT TO THE SOUTH)
SECTION 8, T5S, R98W, 6th P.M.
SE 1/4 SW 1/4

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.

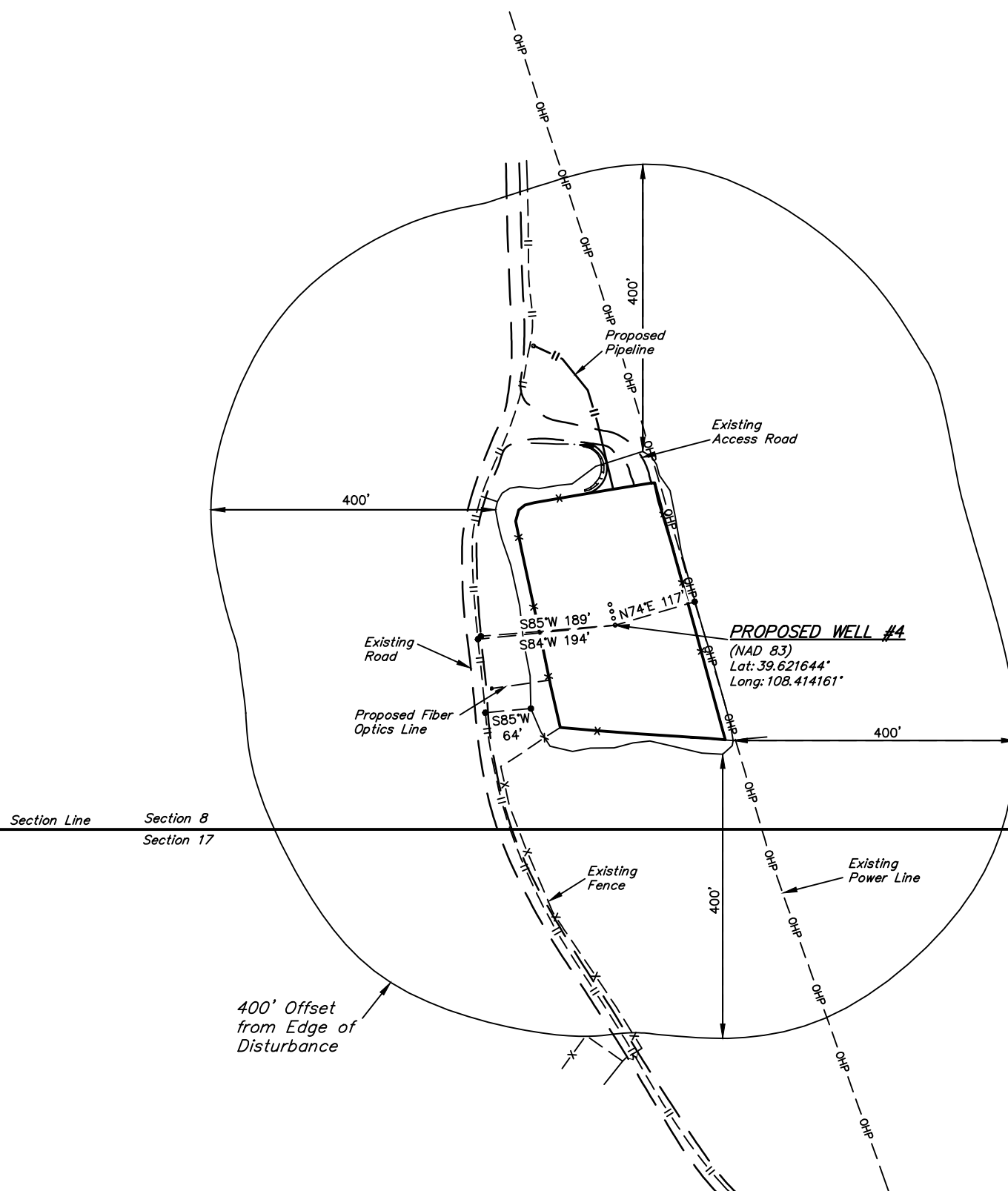




CHEVRON U.S.A., INC.
LOCATION DRAWING DETAIL FOR
SKR 598-08BVW
SECTION 8, T5S, R98W, 6th P.M.
SE 1/4 SW 1/4

FIGURE #5A

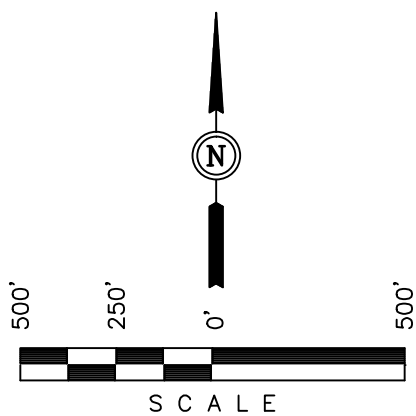
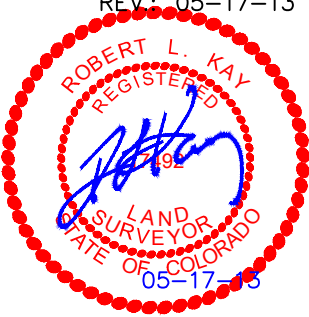
SCALE: 1" = 200'
DATE: 05-14-13
DRAWN BY: M.D.
REV.: 05-17-13 M.D.



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.)

Section Line

1/4 Section Line

1/16 Section Line

1/4 Section Line

1/16 Section Line

CHEVRON
USA INC.

Existing
Access Road

N78°32'06"E - 2200.88'
(To Target Bottom Hole)

S78°00'59"W - 2200.15'
(To Target Bottom Hole)

1924 G.L.O. Brass Cap
1.0' High

Section Line

S00°03'E - 5280.00' (G.L.O.)

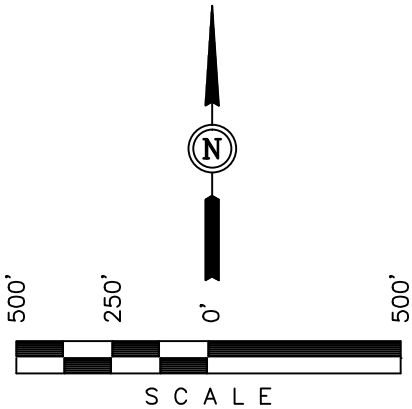
CHEVRON U.S.A., INC.

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.)

N00°03'W - 5280.00' (G.L.O.)

Section Line

1/4 Section Line

1/16 Section Line

1/4 Section Line

8

1/16 Section Line

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	

CHEVRON
USA INC.

Existing
Access Road

Section Line

1924 G.L.O. Brass Cap
1.0' High

S00°03'E - 5280.00' (G.L.O.)

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): _____

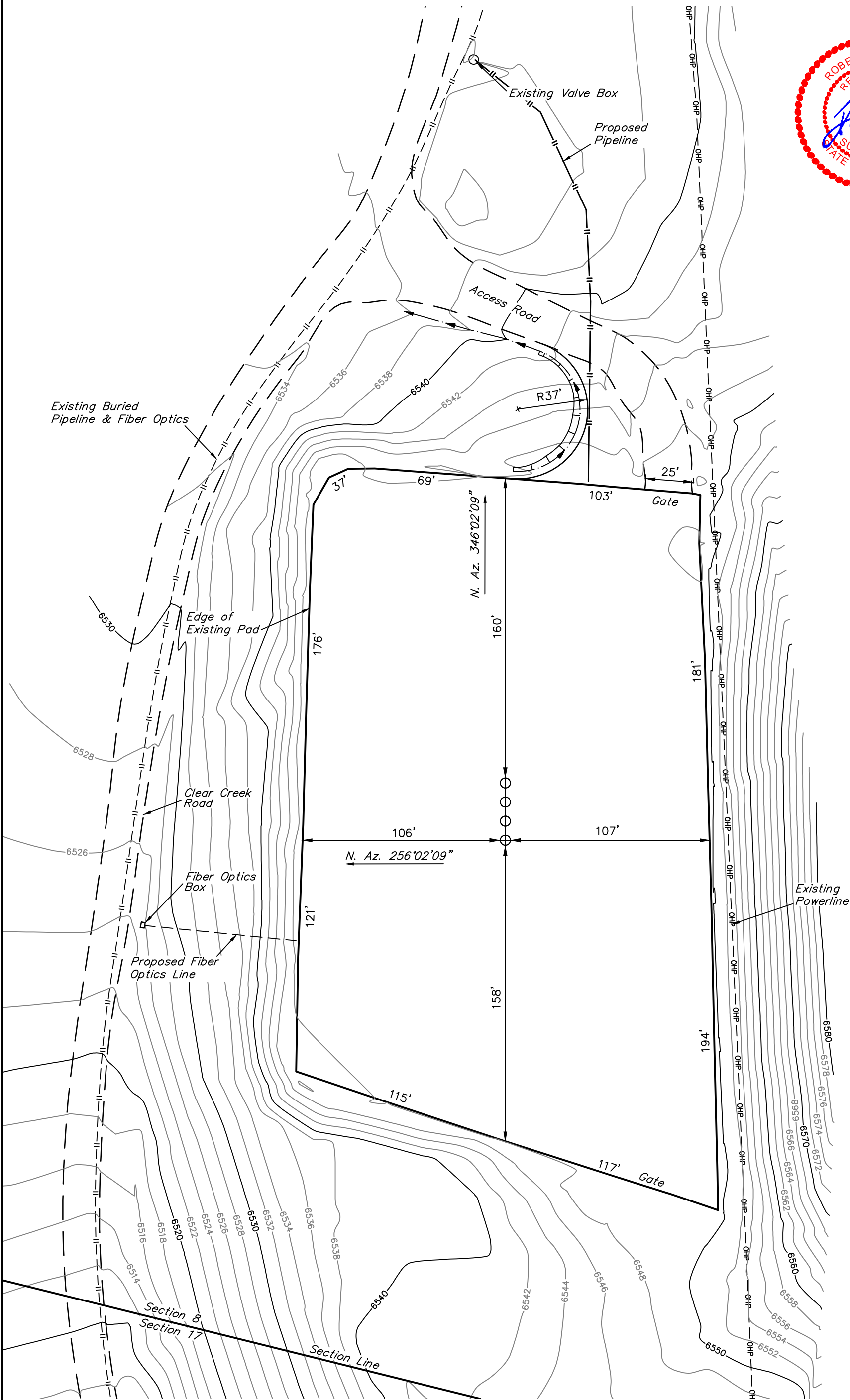
CURRENT LAND USE
CROP LAND: <input type="checkbox"/> IRRIGATED <input type="checkbox"/> DRY LAND <input type="checkbox"/> IMPROVED PASTURE <input type="checkbox"/> HAY MEADOW <input type="checkbox"/> CRP
NON-CROP LAND: <input type="checkbox"/> RANGELAND <input type="checkbox"/> TIMBER <input type="checkbox"/> 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.
INTERIM RECLAMATION DIAGRAM FOR
SKR 598-08BVW
SECTION 8, T5S, R98W, 6th P.M.
SE 1/4 SW 1/4

FIGURE #6
SCALE: 1" = 50'
DATE: 05-14-13
DRAWN BY: M.D.
REV.: 05-17-13 M.D.



RECLAIMED AREA

APPROXIMATE ACREAGE
UN-RECLAIMED = ± 1.683 ACRES

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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.



Existing Buried
Pipeline & Fiber Optics

Existing Valve Box

Proposed
Pipeline

Existing
Access Road

PROPOSED
ACCESS
WIDENING

10'X10'
Comm Bld.

Buried
ELE/Comms

Edge of Existing Pad

Existing Fence
To Be Removed

Buried
ELE/Comms

Clear Creek
Road

Proposed Well #4
NAD 83
Lat: 39°37'17.92"N
Long: 108°24'50.98"W

Existing
Powerline

Edge of Existing Pad

Existing Fence
To Be Removed

Fiber Optics
Box

Proposed Fiber
Optics Line

Existing Fence

Existing Buried
Pipeline & Fiber Optics

Section 8
Section 17

Section Line

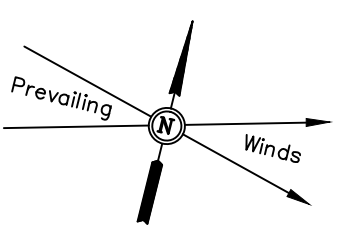
CHEVRON U.S.A., INC.

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.



Existing Buried
Pipeline & Fiber Optics

Existing Valve Box

Existing Power Line

Existing
Access Road

Gate

- #2 ○
- #1 ○
- #3 ○
- #4 ○

Clear Creek
Road

Fiber Optics
Box

Existing Buried
Pipeline & Fiber Optics

Gate

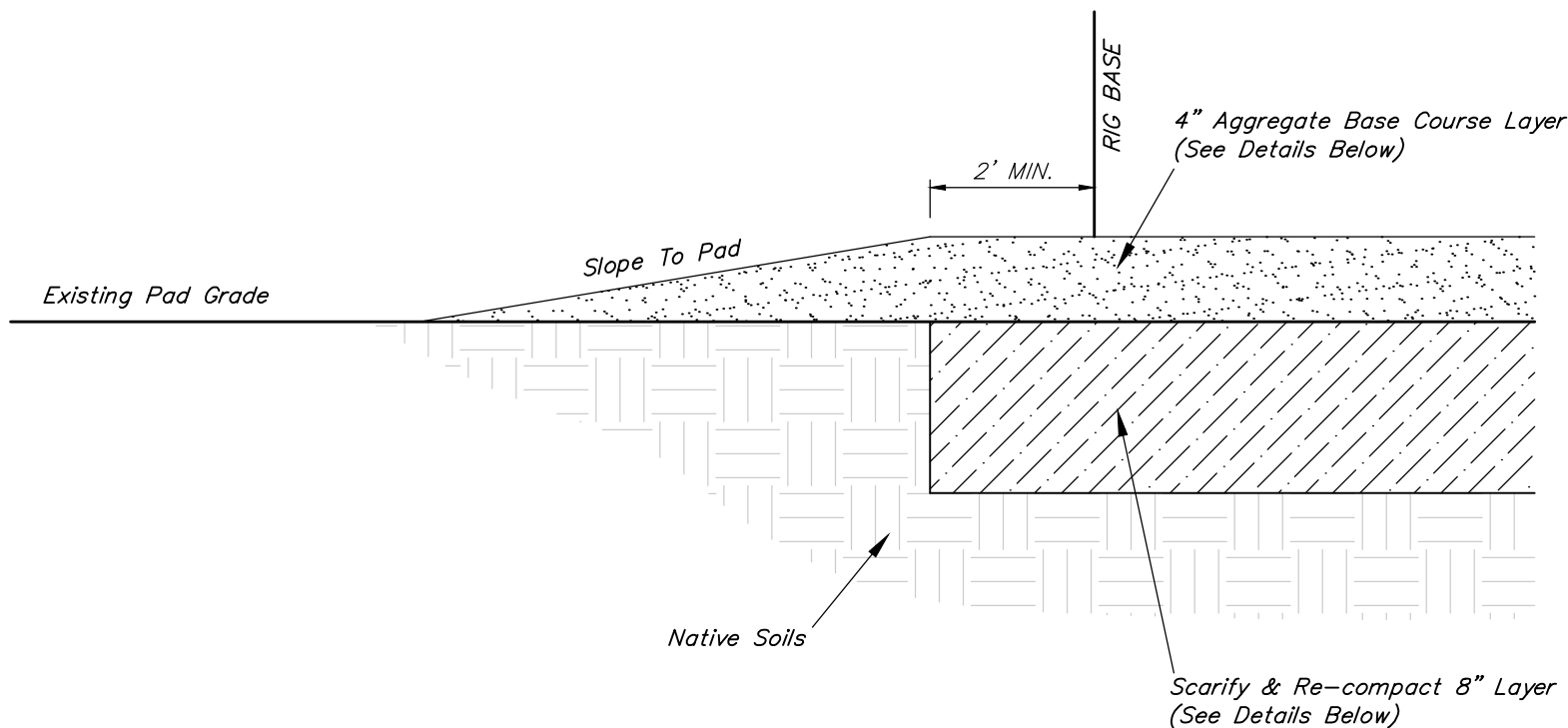
Section 8
Section 17

Section Line

FINISH GRADE ELEV. AT PAD CENTER = 6549.6'

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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

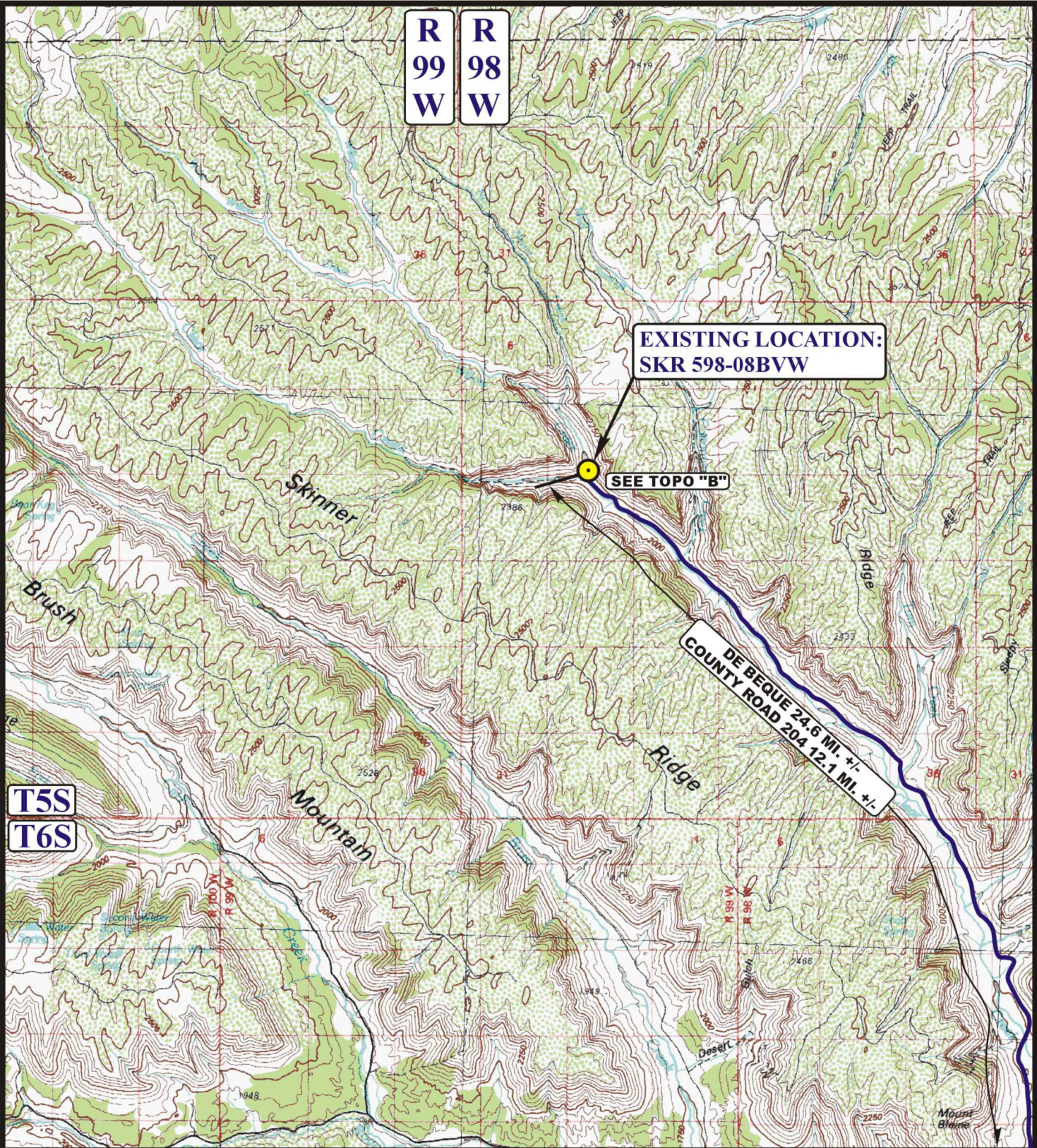
CHEVRON U.S.A., INC.
SKR 598-08BVW
SECTION 8, T5S, R98W, 6th P.M.

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

T5S T6S



LEGEND:

● PROPOSED LOCATION



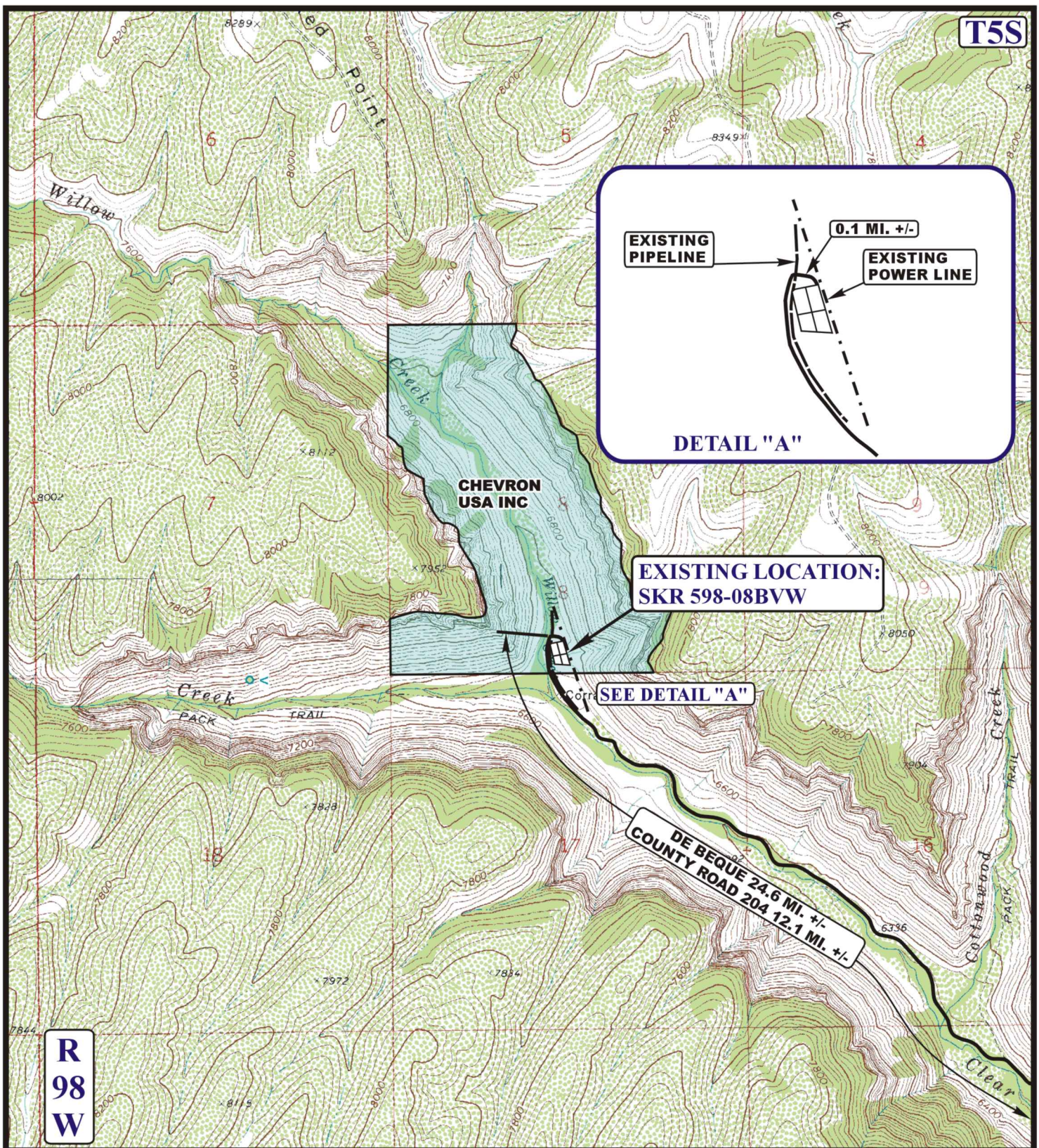
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SKR 598-08BVW
SECTION 8, T5S, R98W, 6th P.M.
SE 1/4 SW 1/4



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

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



LEGEND:

- EXISTING ROAD
- EXISTING PIPELINE
- EXISTING POWER LINE



CHEVRON U.S.A., INC.

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



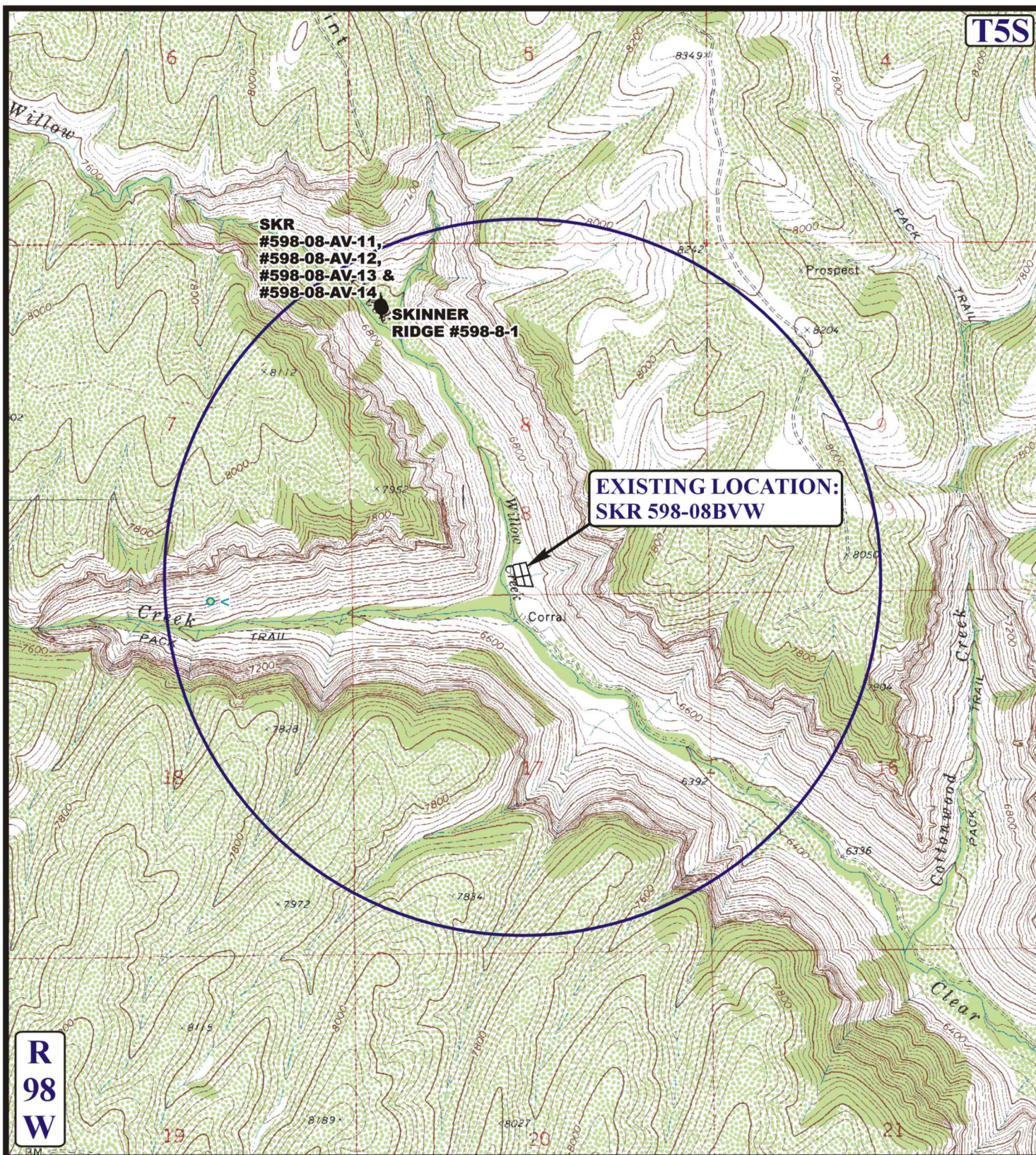
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 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD
MAP

05 15 13
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.L. REVISED: 05-17-13





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



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TOPOGRAPHIC
MAP

05	15	13
MONTH	DAY	YEAR

SCALE: 1" = 2000' DRAWN BY: C.L. REVISED: 05-17-13

