

R. 97 W.

2 1/4" AC
ON 3/8" REBAR
3" ABOVE
GROUND
PLS 17492



GRID NORTH

SCALE' 1" = 1000'
500' 0 1000'

T. 12 N.

SHL

LATITUDE (NAD 83)

NORTH 40.981498 DEG.

LONGITUDE (NAD 83)

WEST 108.330040 DEG.

NORTHING (NAD 83)

1612883.95

EASTING (NAD 83)

2218698.63

LATITUDE (NAD 27)

NORTH 40.981534 DEG.

LONGITUDE (NAD 27)

WEST 108.329387 DEG.

NORTHING (NAD 27)

612881.20

EASTING (NAD 27)

1218858.09

BASIS OF BEARING/DATUM

SPCS COLORADO NORTH ZONE NAD 27
BASED ON GPS OBSERVATIONS ON DRG
CONTROL POINT CP 25-12-98 HAVING A
POSITION OF:
NAD83

LAT 40° 58' 03.81" NORTH
LONG 108° 21' 11.24" WEST

THE SOUTH LINE OF SECTION 19,
MONUMENTED BY STONES AND BEARING
S 88° 30' 59" E.

**POWDER
WASH 19-1**

**UNGRADED ELEVATION:
6781.3'**

BASIS OF ELEVATION: USGS SPOT ELEVATION
LOCATED AT THE SE CORNER OF SECTION 19,
T12N, R97W
ELEVATION: 6604'

19

BHL

LATITUDE (NAD 83)

NORTH 40.981934 DEG.

LONGITUDE (NAD 83)

WEST 108.328479 DEG.

NORTHING (NAD 83)

1613029

EASTING (NAD 83)

2219134

LATITUDE (NAD 27)

NORTH 40.981970 DEG.

LONGITUDE (NAD 27)

WEST 108.327827 DEG.

NORTHING (NAD 27)

613026

EASTING (NAD 27)

1219294

LOT 5

LOT 6

LOT 7

LOT 8

12"x12"x2" STONE
4 NOTCHES IN
EAST FACE

S88°30'59"E 4981.50'

9"x9"x1 1/2"
STONE

NOTES

1. GPS OPERATOR LITTLE OBSERVED A PDOP OF 2.7.
2. ALL GPS OBSERVATIONS ARE IN COMPLIANCE WITH COGCC RULE No.215.
3. NO EXISTING IMPROVEMENTS WITHIN 500' OF LOCATION. SEE EXHIBIT 2D.
4. SURROUNDING SURFACE USE IS NATIVE BRUSH, NON CROP RANGELAND.

LEGEND

- ◆ WELL LOCATION
- APPROX. BHL
- └ DENOTES 90° TIE
- FOUND MONUMENT

SURVEYOR'S STATEMENT

I, DAVID E. HENDERHAN, AN EMPLOYEE AND AGENT ON BEHALF OF D.R. GRIFFIN & ASSOCIATES, INC. STATE THE PLAT HEREON IS A CORRECT REPRESENTATION OF A SURVEY MADE UNDER MY SUPERVISION ON THE 3rd DAY OF DECEMBER, 2015 OF THE SHOWN POWDER WASH 19-1 AND THAT THE LOCATION HAS BEEN STAKED ON THE GROUND.

Notice: In accordance with Colorado State Law, any legal action based upon any defect in this survey plat must commence within three (3) years after first discovery of such defect. In no event, may any action based upon any defect in this survey plat be commenced more than ten (10) years from the date of certification shown hereon.

POWDER WASH 19-1



COLORADO PLS No. 38109



DAVID E. HENDERHAN & ASSOCIATES, INC.
1414 ELK ST., ROCK SPRINGS, WY 82901

(307) 362-5028

DRAWN: 10/30/2015 - TCM

SCALE: 1" = 1000'

REVISED: 12/2/2015 - TCM

DRG JOB No. 20958

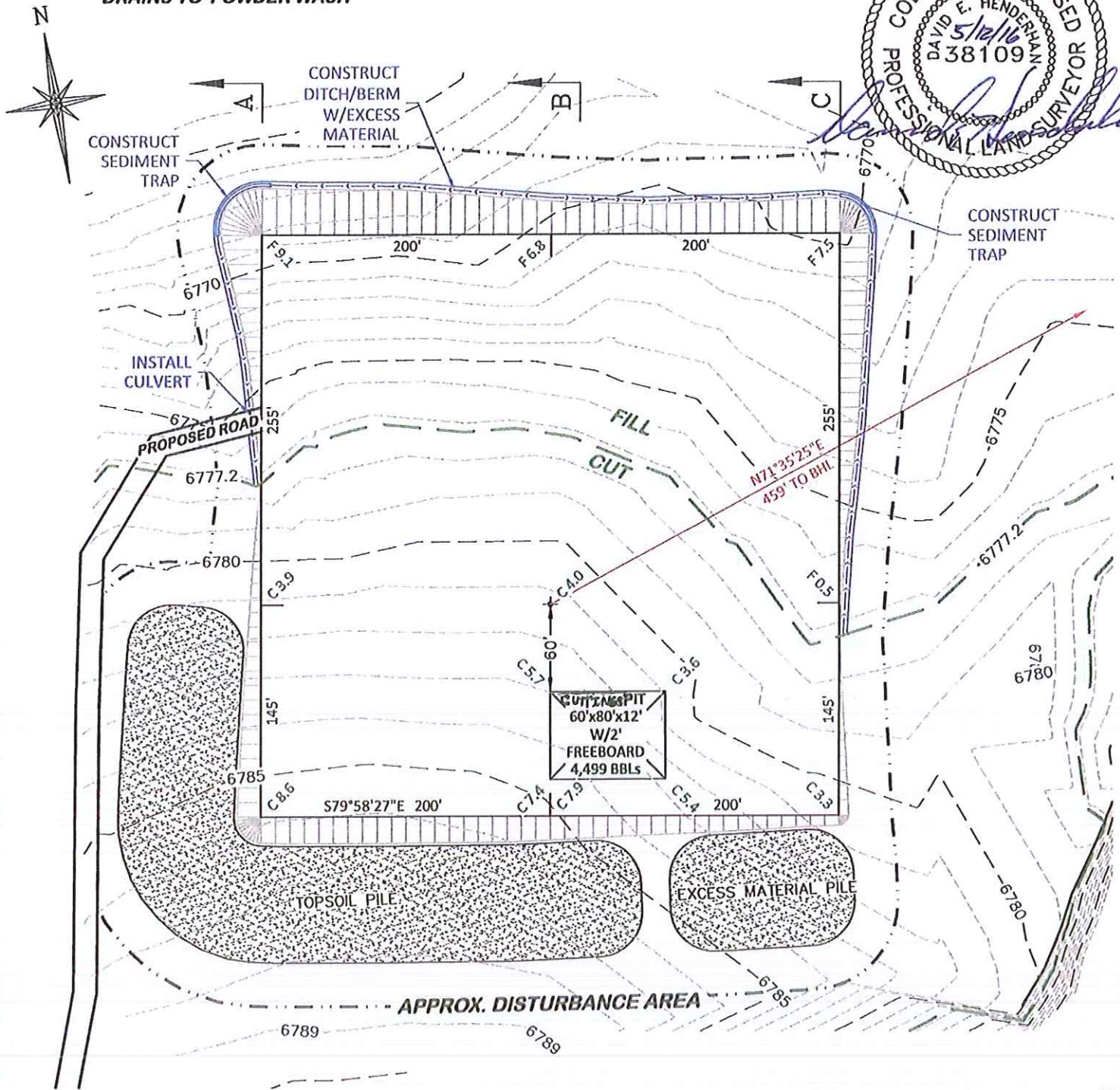
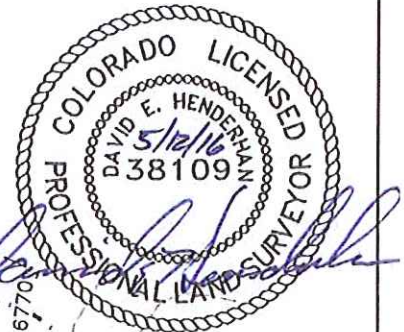
MOVED SHL & PIT

EXHIBIT 1

**PLAT OF DRILLING LOCATION IN
SESE, SECTION 19, FOR
QEP ENERGY COMPANY**

**1094' F/SL, & 1261' F/EL, SECTION 19,
T. 12 N., R. 97 W., 6TH P.M.,
MOFFAT COUNTY, COLORADO**

UNGRADED ELEVATION: 6781.3'
 FINAL ELEVATION: 6777.2'
 PROPOSED AREA OF DISTURBANCE: 6.8± ACRES
 DRAINS TO POWDER WASH



**BEFORE DIGGING
 CALL FOR
 UTILITY LINE LOCATION**
 NOTE: THE EARTH QUANTITIES ON
 THIS DRAWING ARE ESTIMATED AND
 THE USE OF SAID QUANTITIES IS
 AT THE RESPONSIBILITY OF THE
 USER.

POWDER WASH 19-1

CONSTRUCTION LAYOUT DRAWING 1 OF 5

**QEP ENERGY COMPANY
 POWDER WASH 19-1
 SESE, SECTION 19, T. 12 N., R. 97 W., 6th P.M.,
 MOFFAT COUNTY, COLORADO**

ESTIMATED EARTHWORK

DRG RIFFIN & ASSOCIATES, INC.
 (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 10/30/2015 - TCM	SCALE: 1" = 100'
REVISED: 5/9/2016 - TCM	DRG JOB No. 20958
ONSITE REVISIONS	EXHIBIT 2

ITEM	CUT	FILL	TOPSOIL	EXCESS
PAD	14,169 CY	10,731 CY	3,427 CY	11 CY
PIT	1,301 CY			1,301 CY
TOTALS	15,470 CY	9,216 CY	3,427 CY	1,312 CY

RIG LAYOUT



<i>DRAWN: 10/30/2015 - TCM</i>	<i>SCALE: 1" = 100'</i>
<i>REVISED: 5/9/2016 - TCM</i>	<i>DRG JOB No. 20958</i>
<i>ONSITE REVISIONS</i>	<i>EXHIBIT 2A</i>

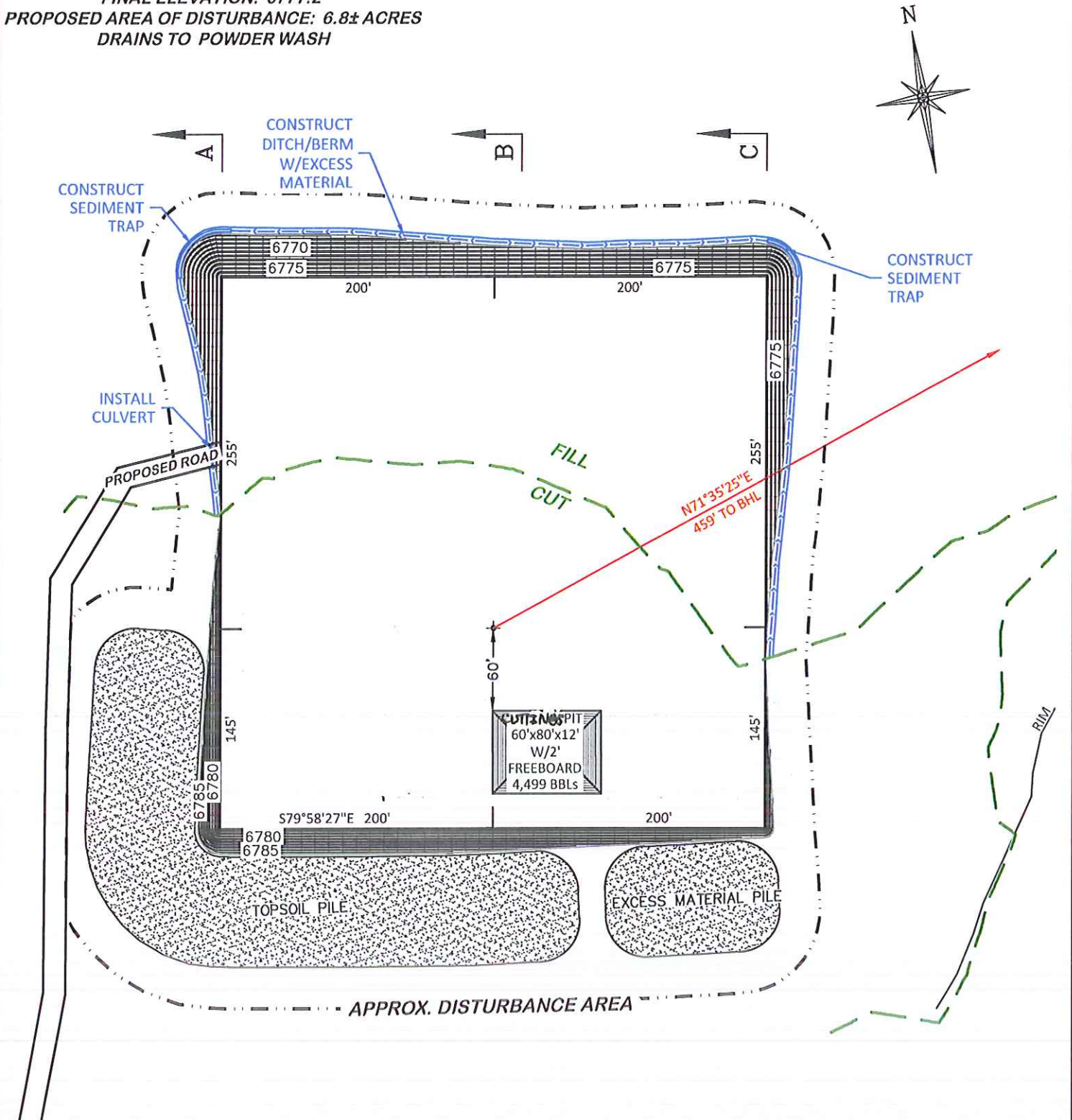
POWDER WASH 19-1

CONSTRUCTION LAYOUT DRAWING 2 OF 5

RIG LAYOUT
QEP ENERGY COMPANY
POWDER WASH 19-1
SESE, SECTION 19, T. 12 N., R. 97 W., 6th P.M.,
MOFFAT COUNTY, COLORADO

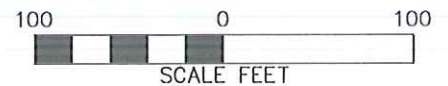
UNGRADED ELEVATION: 6781.3'
FINAL ELEVATION: 6777.2'
PROPOSED AREA OF DISTURBANCE: 6.8± ACRES
DRAINS TO POWDER WASH

DESIGN CONTOURS



BEFORE DIGGING
CALL FOR
UTILITY LINE LOCATION

POWDER WASH 19-1



CONSTRUCTION LAYOUT DRAWING 3 OF 5

DRG RIFFIN & ASSOCIATES, INC.
(307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 10/30/2015 - TCM

SCALE: 1" = 100'

REVISED: 5/9/2016 - TCM

DRG JOB No. 20958

ONSITE REVISIONS

EXHIBIT 2B

DESIGN CONTOURS
QEP ENERGY COMPANY
POWDER WASH 19-1
SESE, SECTION 19, T. 12 N., R. 97 W., 6th P.M.,
MOFFAT COUNTY, COLORADO

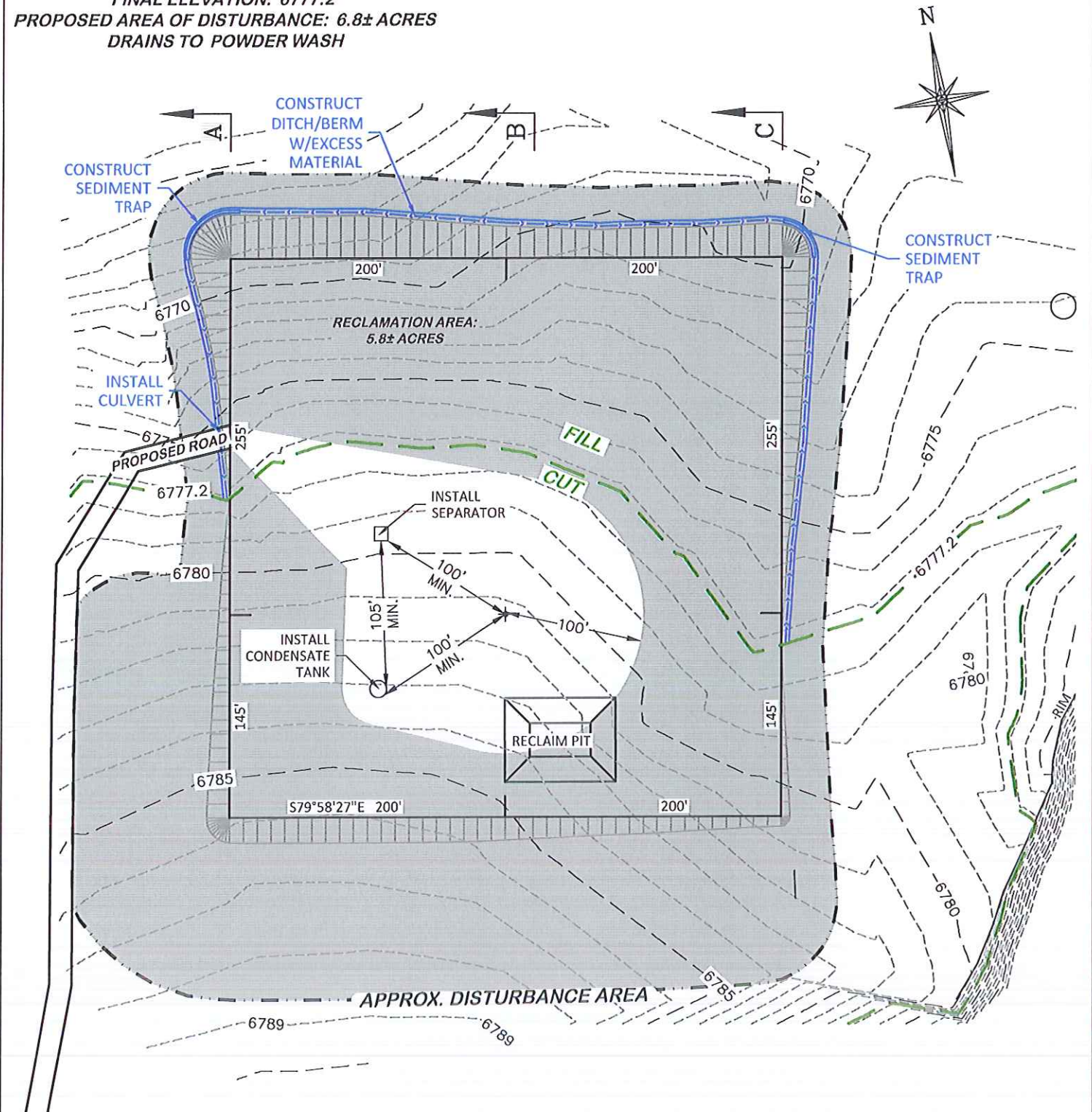
UNGRADED ELEVATION: 6781.3'

FINAL ELEVATION: 6777.2'

PROPOSED AREA OF DISTURBANCE: 6.8± ACRES

DRAINS TO POWDER WASH

PROPOSED RECLAMATION



**BEFORE DIGGING
CALL FOR
UTILITY LINE LOCATION**

POWDER WASH 19-1

CONSTRUCTION LAYOUT DRAWING 4 OF 5



(307) 362-5028

RIFFIN & ASSOCIATES, INC.
1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 10/30/2015 - TCM

SCALE: 1" = 100'

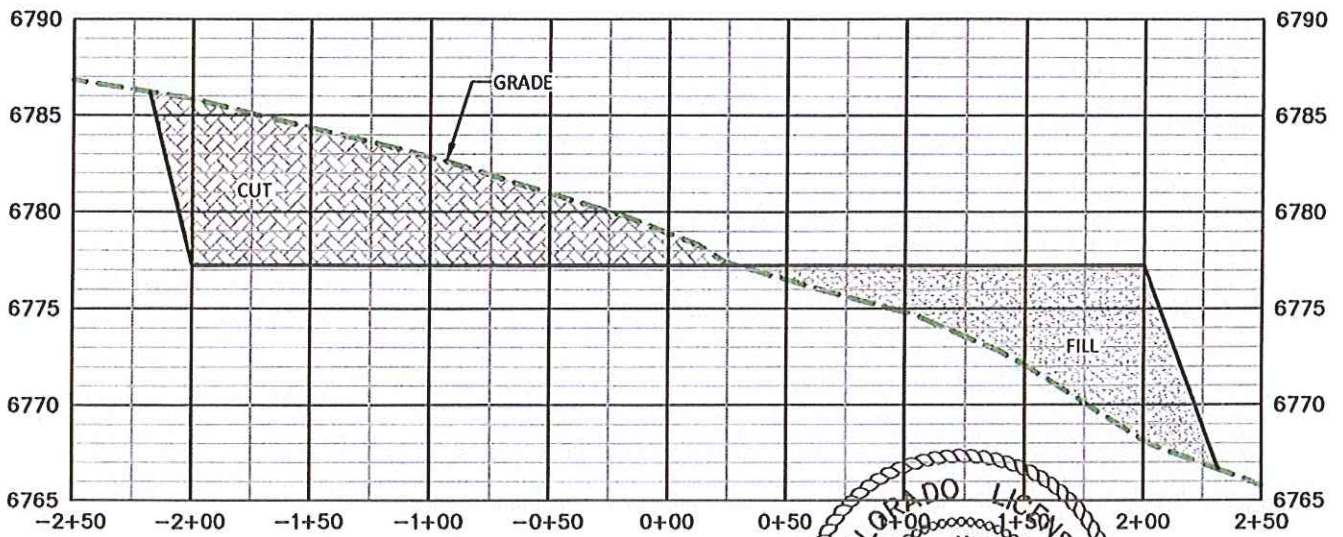
REVISED: 5/9/2016 - TCM

DRG JOB No. 20958

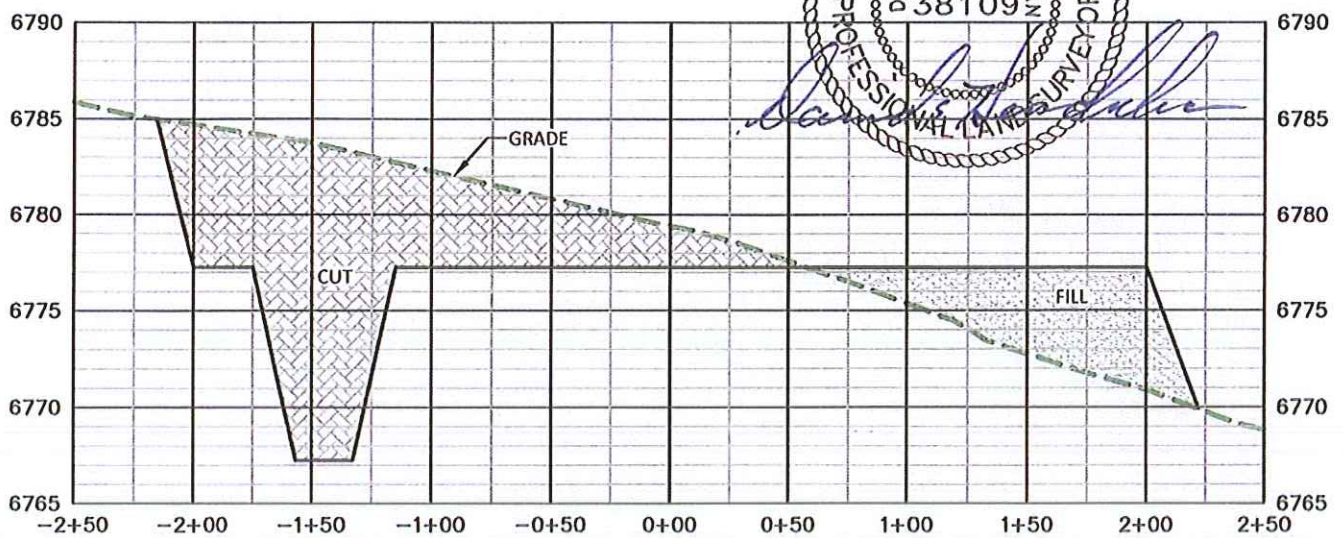
ONSITE REVISIONS

EXHIBIT 2C

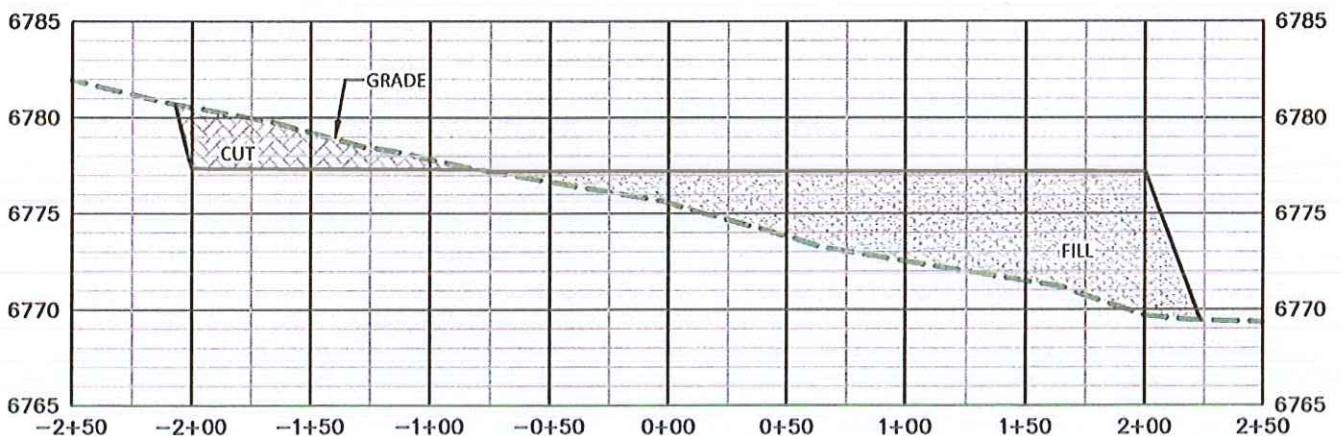
**PROPOSED RECLAMATION
QEP ENERGY COMPANY
POWDER WASH 19-1
SESE, SECTION 19, T. 12 N., R. 97 W., 6th P.M.,
MOFFAT COUNTY, COLORADO**



A



B



C

POWDER WASH 19-1



DRG RIFFIN & ASSOCIATES, INC.
1414 ELK ST., ROCK SPRINGS, WY 82901

(307) 362-5028

DRAWN: 10/30/2015 - TCM

SCALE: 1" = 80' HORZ. 1" = 10' VERT.

REVISED: 5/9/2016 - TCM

DRG JOB No. 20958

ONSITE REVISIONS

EXHIBIT 3

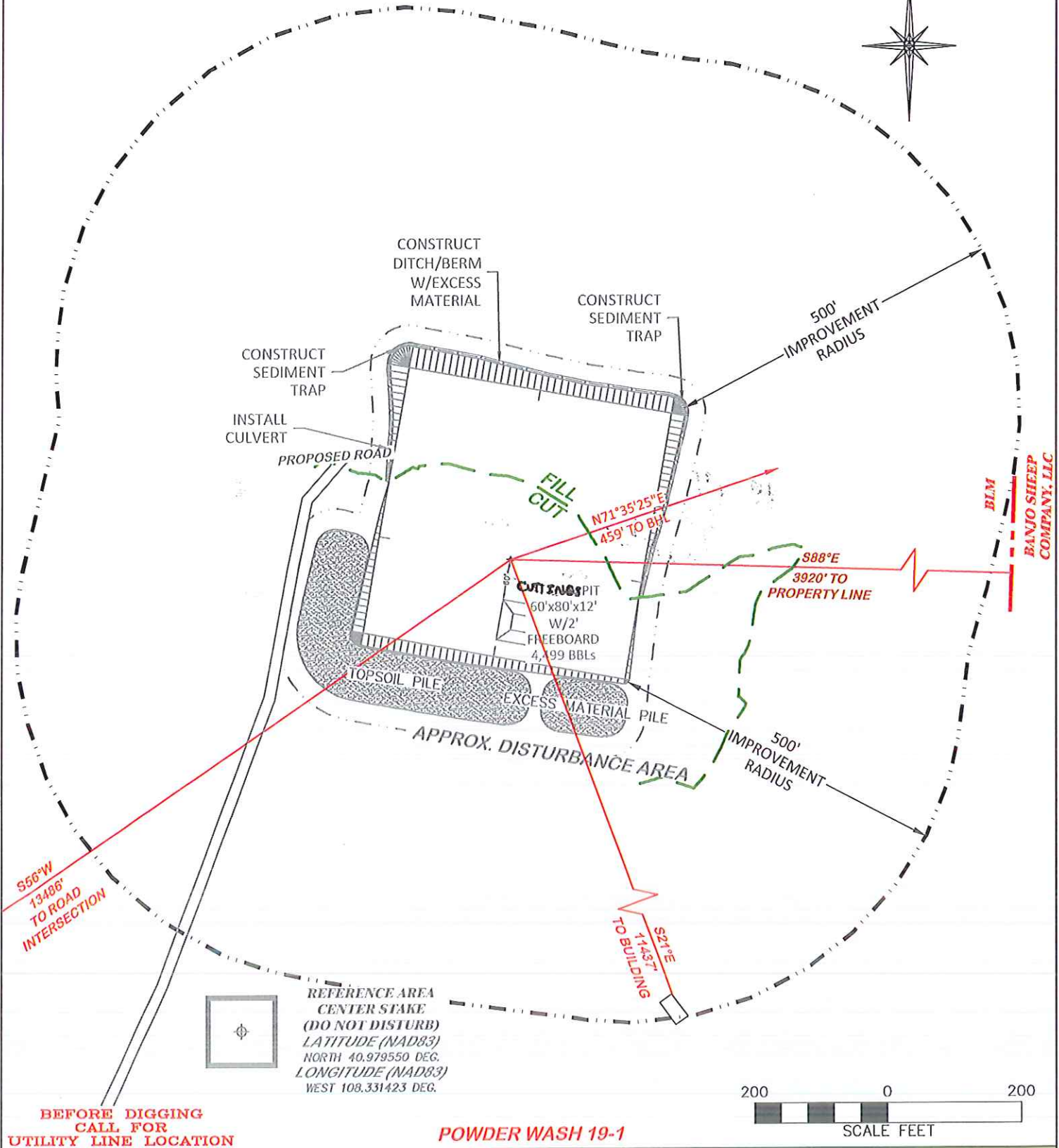
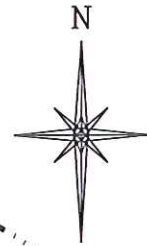
CONSTRUCTION LAYOUT DRAWING 5 OF 5

QEP ENERGY COMPANY
POWDER WASH 19-1

SESE, SECTION 19, T. 12 N., R. 97 W., 6th P.M.,
MOFFAT COUNTY, COLORADO

UNGRADED ELEVATION: 6781.3'
 FINAL ELEVATION: 6777.2'
 PROPOSED AREA OF DISTURBANCE: 6.8± ACRES
 DRAINS TO POWDER WASH

LOCATION DRAWING



DRIFFIN & ASSOCIATES, INC.
 1414 ELK ST., ROCK SPRINGS, WY 82901

(307) 362-5028

DRAWN: 10/30/2015 - TCM

SCALE: 1" = 200'

REVISED: 5/9/2016 - TCM

DRG JOB No. 20958

ONSITE REVISIONS

EXHIBIT 2D

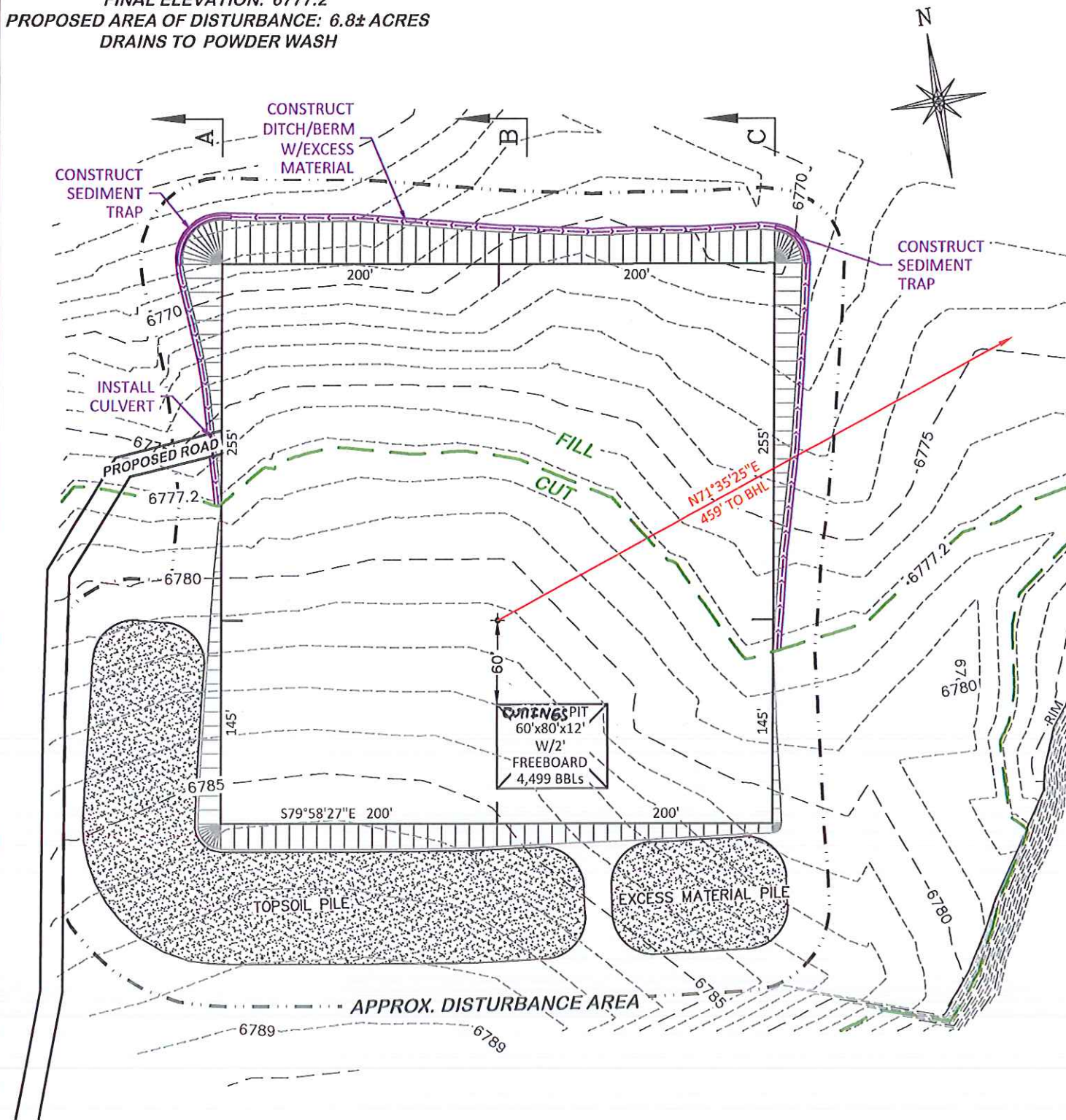
LOCATION DRAWING

QEP ENERGY COMPANY
POWDER WASH 19-1

**SESE, SECTION 19, T. 12 N., R. 97 W., 6th P.M.,
 MOFFAT COUNTY, COLORADO**

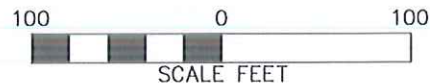
UNGRADED ELEVATION: 6781.3'
 FINAL ELEVATION: 6777.2'
 PROPOSED AREA OF DISTURBANCE: 6.8± ACRES
 DRAINS TO POWDER WASH

STORMWATER BMP's



BEFORE DIGGING
 CALL FOR
 UTILITY LINE LOCATION

POWDER WASH 19-1



RIFFIN & ASSOCIATES, INC.
 1414 ELK ST., ROCK SPRINGS, WY 82901

(307) 362-5028

DRAWN: 10/30/2015 - TCM

SCALE: 1" = 100'

REVISED: 5/9/2016 - TCM

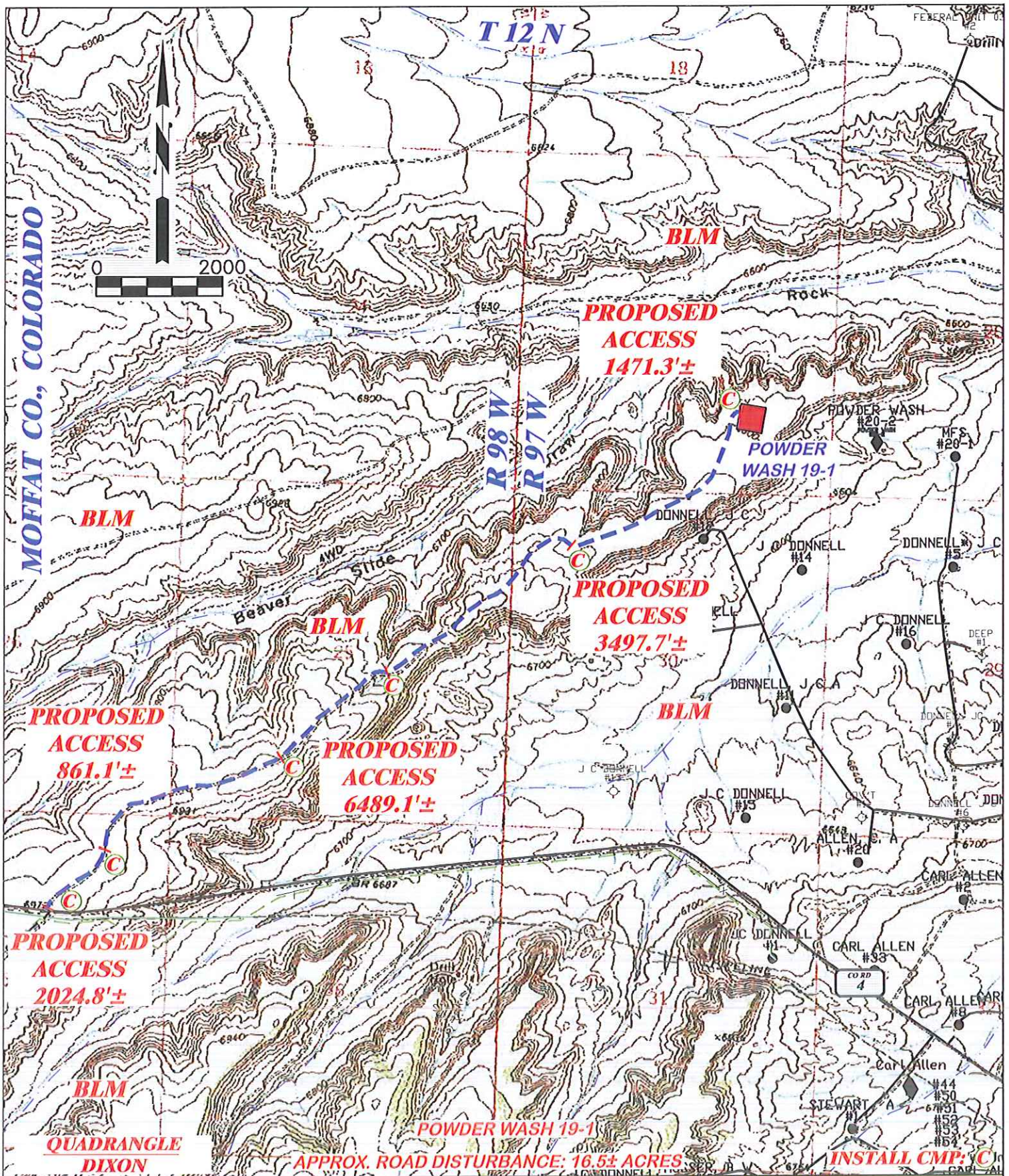
DRG JOB No. 20958

ONSITE REVISIONS

EXHIBIT 2E

STORMWATER BMP's

QEP ENERGY COMPANY
POWDER WASH 19-1
SESE, SECTION 19, T. 12 N., R. 97 W., 6th P.M.,
MOFFAT COUNTY, COLORADO



RIFFIN & ASSOCIATES, INC.
1414 ELK ST., ROCK SPRINGS, WY 82901

(307) 362-5028

DRAWN: 10/30/2015 - TCM

SCALE: 1" = 2000'

REVISED: 5/9/2016 - TCM

DRG JOB No. 20958

ONSITE REVISIONS

EXHIBIT 4

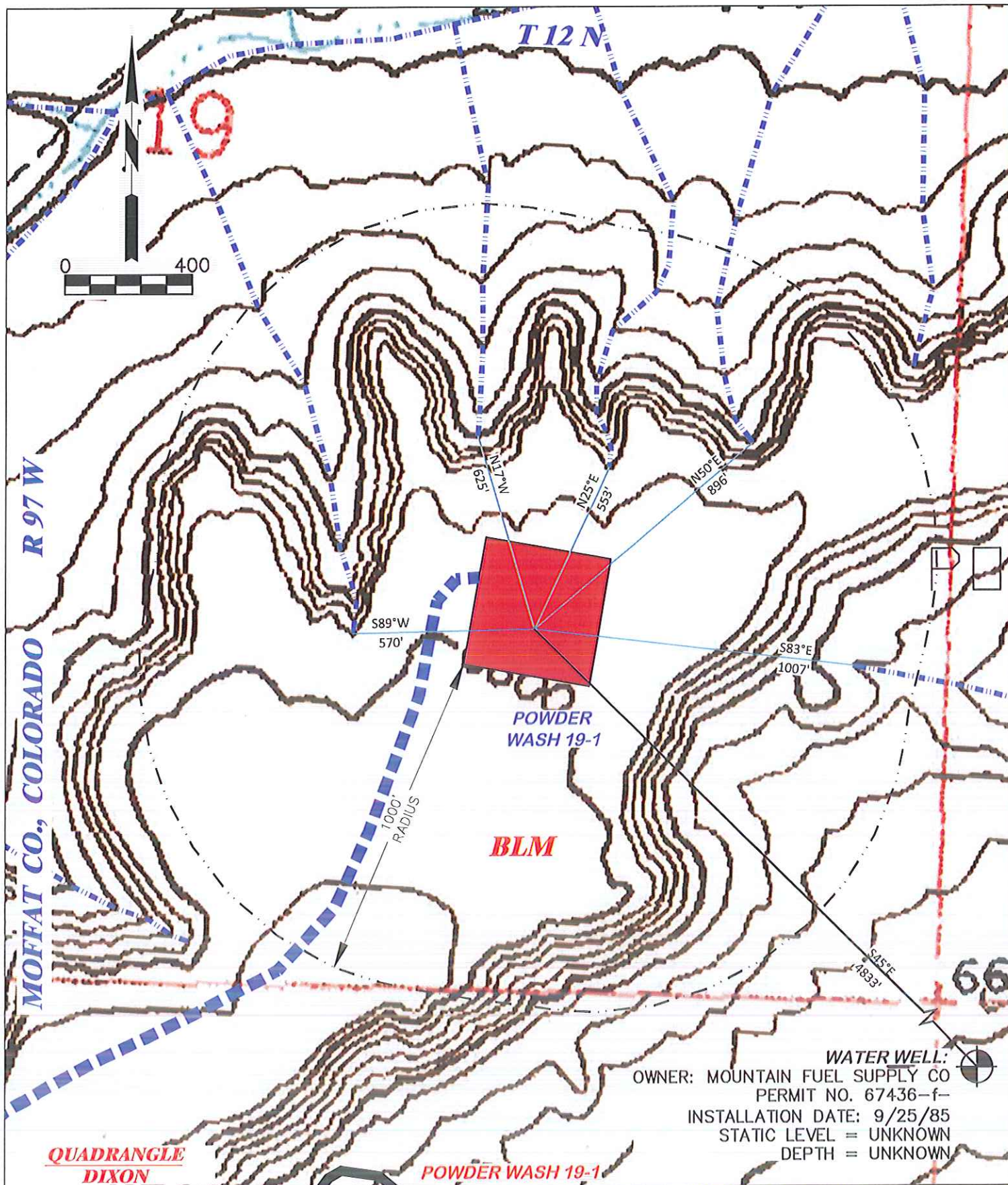
QEP ENERGY COMPANY
POWDER WASH 19-1

SESE, SECTION 19, T. 12 N., R. 97 W., 6th P.M.,
MOFFAT COUNTY, COLORADO

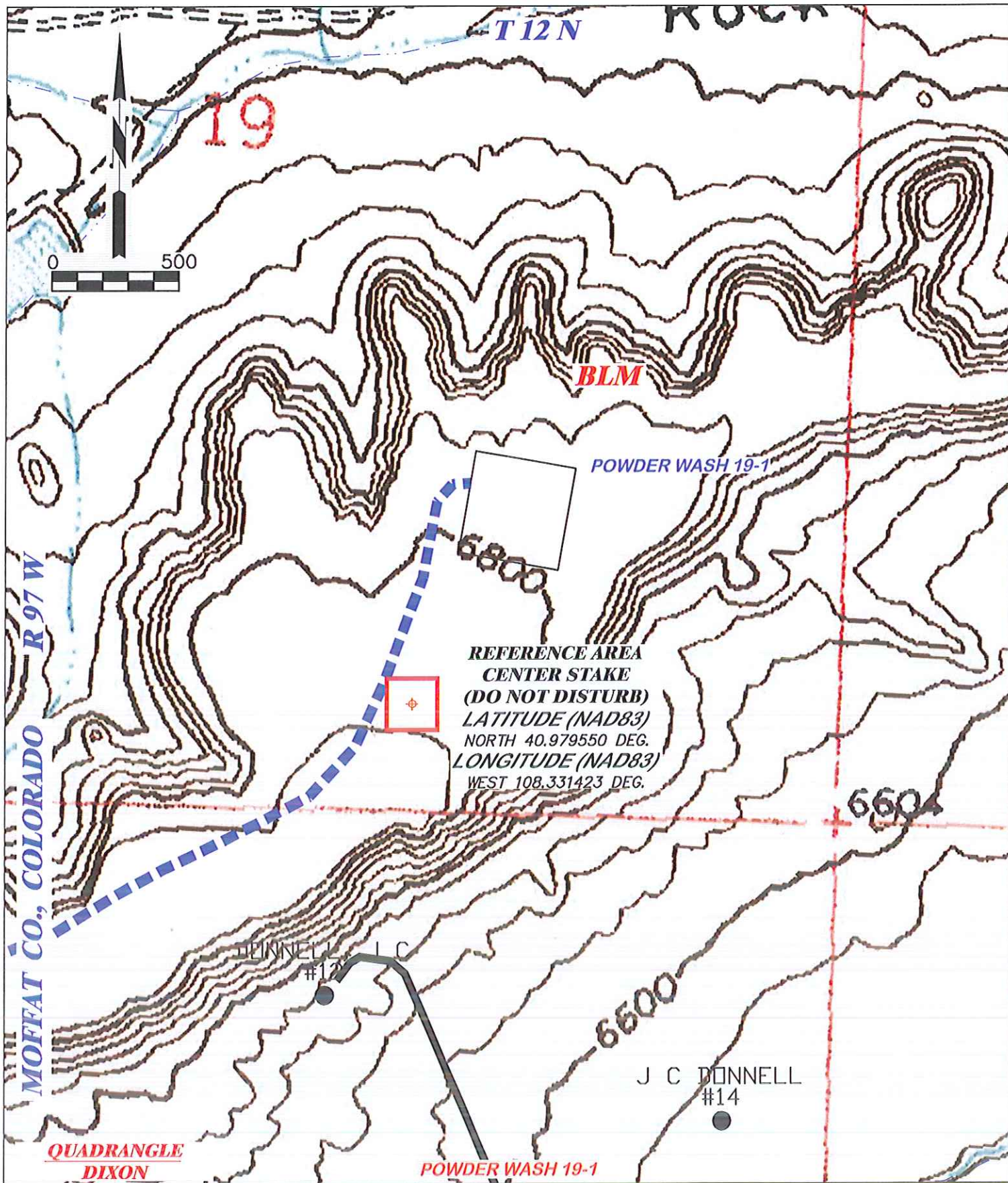
PROPOSED ACCESS LENGTH: 14,344.0'±

PROPOSED ACCESS

EXISTING ROAD



DRG RIFFIN & ASSOCIATES, INC. (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901		HYDROLOGY MAP	
QEP ENERGY COMPANY POWDER WASH 19-1 SESE, SECTION 19, T. 12 N., R. 97 W., 6th P.M., MOFFAT COUNTY, COLORADO		NATURAL CREEK/DRAW EXISTING ROAD	
DRAWN: 10/30/2015 - TCM REVISED: 12/2/2015 - TCM MOVED SHL & PIT	SCALE: 1" = 400' DRG JOB No. 20958 EXHIBIT 4A		



DRG RIFFIN & ASSOCIATES, INC.
 1414 ELK ST., ROCK SPRINGS, WY 82901

(307) 362-5028

DRAWN: 10/30/2015 - TCM

REVISED: 5/9/2016 - TCM

ONSITE REVISIONS

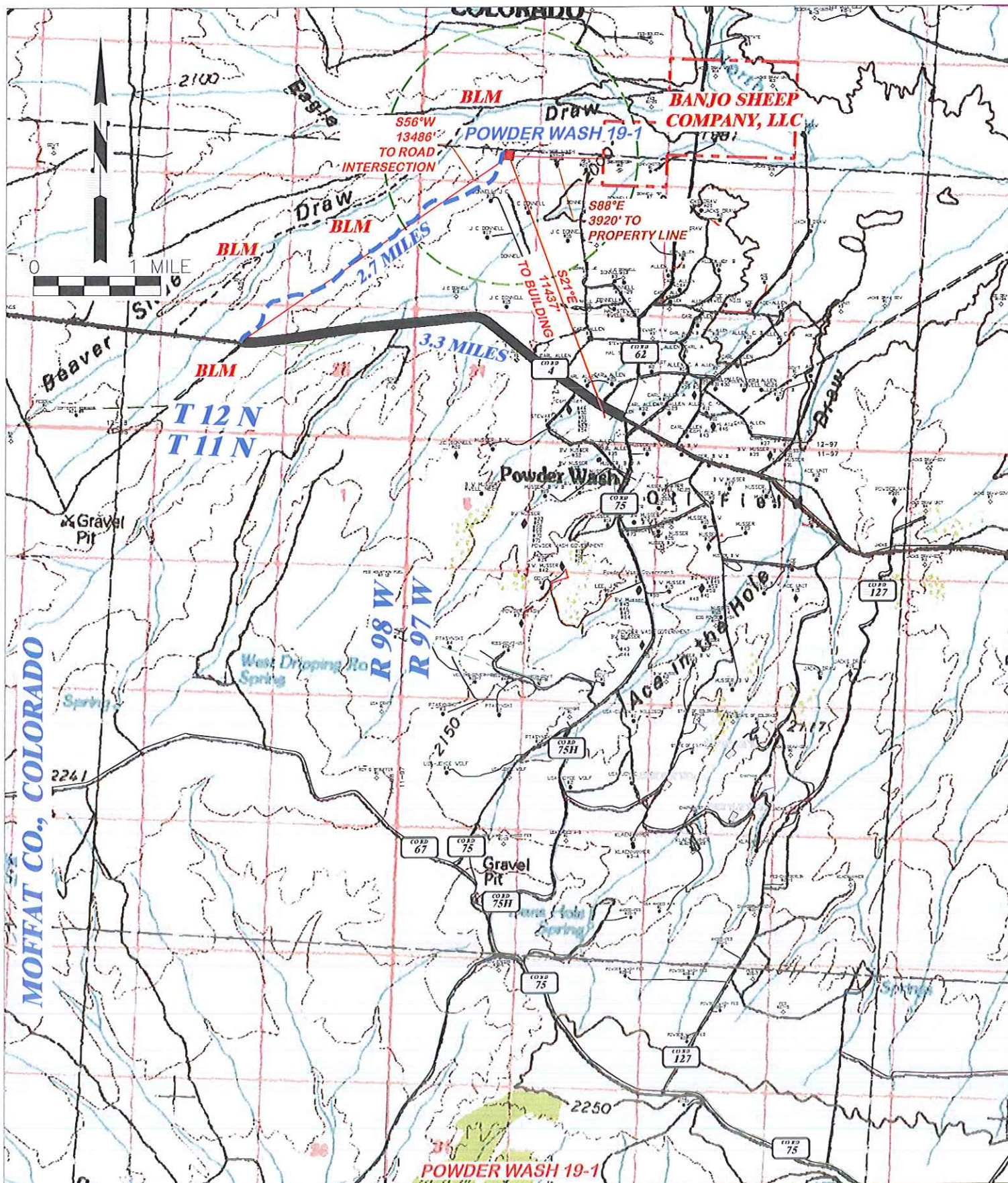
SCALE: 1" = 500'

DRG JOB No. 20958

EXHIBIT 4B

REFERENCE AREA MAP

**QEP ENERGY COMPANY
 POWDER WASH 19-1
 SESE, SECTION 19, T. 12 N., R. 97 W., 6th P.M.,
 MOFFAT COUNTY, COLORADO**



RIFFIN & ASSOCIATES, INC.

(307) 362-5028

1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 10/30/2015 - TCM

SCALE: 1" = MILE

REVISED: 5/9/2016 - TCM

DRG JOB No. 20958

ONSITE REVISIONS

EXHIBIT 5

ACCESS ROAD MAP

QEP ENERGY COMPANY POWDER WASH 19-1

**SESE, SECTION 19, T. 12 N., R. 97 W., 6th P.M.,
MOFFAT COUNTY, COLORADO**

PROPOSED ACCESS



EXISTING ROAD



LOCATION PHOTOS



WELL LOCATION LOOKING NORTH
10/28/2015



WELL LOCATION LOOKING SOUTH
10/28/2015



WELL LOCATION LOOKING EAST
10/28/2015



WELL LOCATION LOOKING WEST
10/28/2015

POWDER WASH 19-1



(307) 362-5028

RIFFIN & ASSOCIATES, INC.
1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 10/30/2015 - TCM

SCALE: NONE

REVISED: N/A -

DRG JOB No. 20958

EXHIBIT 6

LOCATION PHOTOS

QEP ENERGY COMPANY
POWDER WASH 19-1
SESE, SECTION 19, T. 12 N., R. 97 W., 6th P.M.,
MOFFAT COUNTY, COLORADO

REFERENCE AREA PHOTOS



REFERENCE AREA LOOKING NORTH
10/28/2015



REFERENCE AREA LOOKING SOUTH
10/28/2015



REFERENCE AREA LOOKING EAST
10/28/2015



REFERENCE AREA LOOKING WEST
10/28/2015

**REFERENCE AREA
CENTER STAKE
(DO NOT DISTURB)**
LATITUDE (NAD83)
NORTH 40.979550 DEG.
LONGITUDE (NAD83)
WEST 108.331423 DEG.

POWDER WASH 19-1



(307) 362-5028

RIFFIN & ASSOCIATES, INC.
1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 10/30/2015 - TCM

SCALE: NONE

REVISED: N/A - .

DRG JOB No. 20958

EXHIBIT 6A

REFERENCE AREA PHOTOS

QEP ENERGY COMPANY
POWDER WASH 19-1
SESE, SECTION 19, T. 12 N., R. 97 W., 6th P.M.,
MOFFAT COUNTY, COLORADO

DRIVING DIRECTIONS

QEP ENERGY COMPANY

POWDER WASH 19-1

SESE, SECTION 19, T. 12 N., R. 97 W., 6TH P.M.,

MOFFAT COUNTY, COLORADO

Beginning at the intersection of County Road 4 and County Road 62, Moffat County, Colorado, travel northwesterly and southwesterly on County Road 4 for 3.3 miles. Turn right onto the staked access for the POWDER WASH 19-1 and travel northeasterly for 2.7 miles to reach the proposed site.

QEP ENERGY COMPANY

POWDER WASH 19-1

SESE, SECTION 19, T12N, R97W, 6th PM

DATE: 12/2/2015

[illegible]