

**Site: State Bierstadt
4-65 35-34
Location ID: 451301**

 Disturbed Area
 Gravel Pad
 Wells

 **ConocoPhillips**

Author: Maxwell Blair

User Name: farkas

Scale: 1:2,000

Date: 6/11/2019

0 80 160 320 Feet

0 0.01 0.02 0.04 Miles

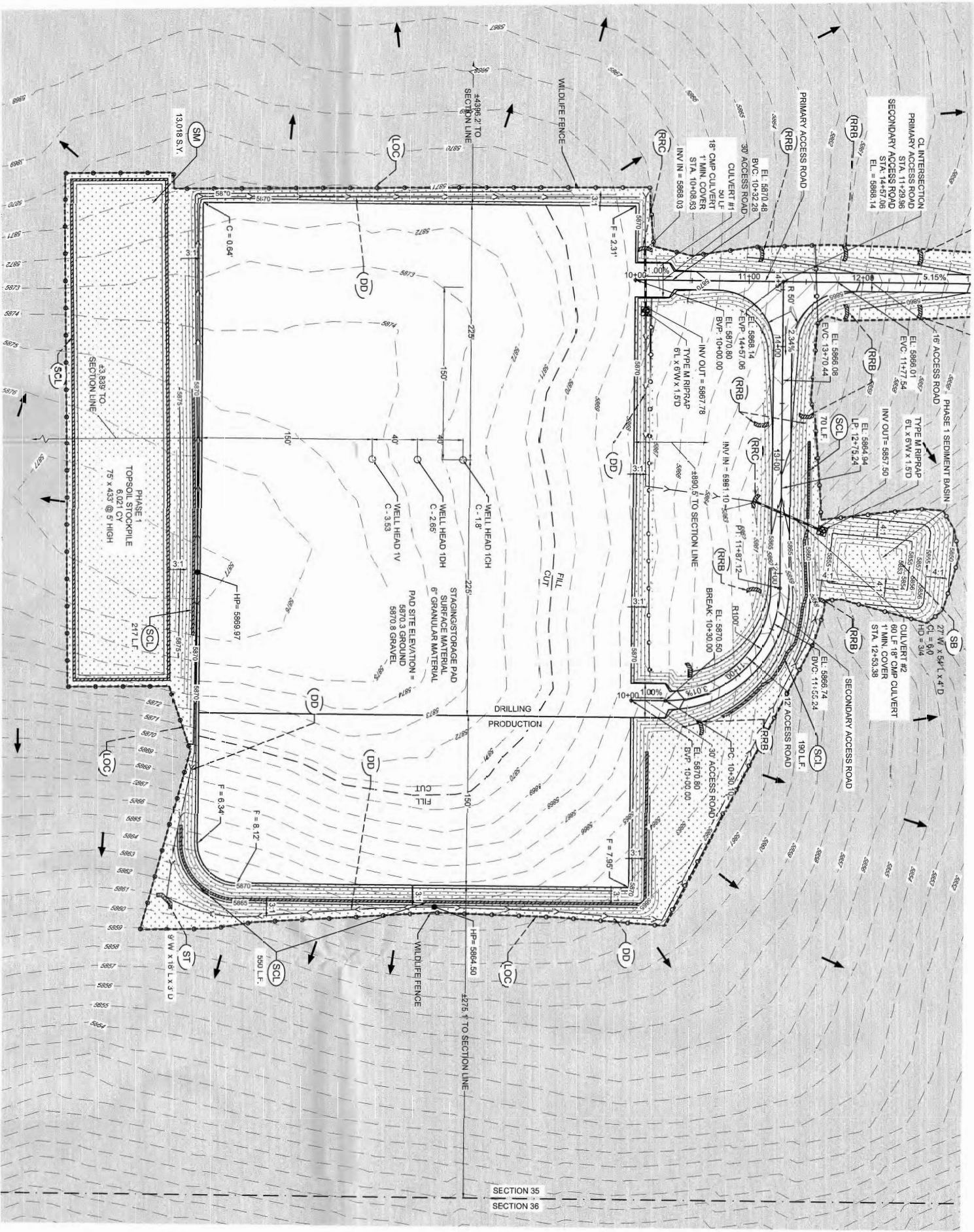
Coordinate System: NAD 1927 StatePlane Colorado Central FIPS 0502
Units: US Feet

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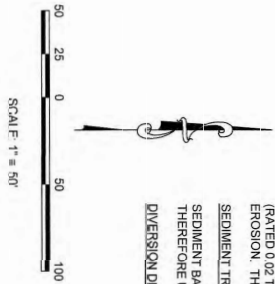
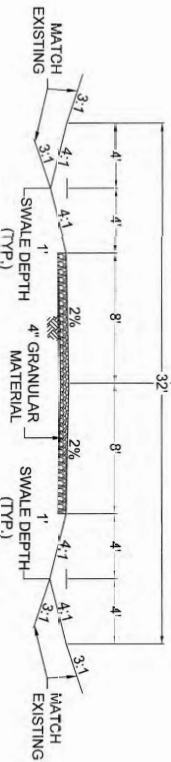
S:\ARC_GIS_DATA\COGCC Surveys -06-07-19\06-10-19_COGCC_Surveyed_Sites.mxd

**Location: State Bierstadt 4-65 35-34
Size: 4.55 acres**

**Location: State Bierstadt 4-65 35-34
Size: 3.02 acres**



PLAN 3: PHASE 1 FINAL WELL PAD SITE



- NOTES
1. SEE THE ARAPAHOE COUNTY GESC PLAN STANDARD NOTES AND DETAILS, REVISED JANUARY 2010 (3 SHEETS) FOR ALL STANDARD DETAILS, NOTES AND LEGENDS FOR BMP NAMES AND SYMBOLS. PART OF FIELD WORK REPORT.
 2. QUANTITIES FOR WELL HEAD = 5872.6' (10H), 5873.43' (1V) PAD SITE ELEVATION = 5870.3' (GROUND), 5870.8' (GRAVEL).
 3. ALL DIMENSIONS ARE FINAL UNLESS DASHED LINE TYPE. DASHED LINE TYPE BMPs ARE INTERIM.
 4. THE DIMENSION OF THE CRUSHED ROCK AROUND THE SEDIMENT BASIN RIGOR IS LARGER THAN THE HOLE DIAMETER.
 5. ALL BMPs ARE FINAL UNLESS DASHED LINE TYPE. DASHED LINE TYPE BMPs ARE INTERIM.

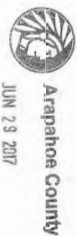
SOILS:

USING THE US DEPARTMENT OF AGRICULTURE'S WEB SOIL SURVEY, A SOIL TYPES EXIST WITHIN THE PROJECT BOUNDARY. FONDIS SILT LOAM, 1 TO 3 PERCENT SLOPES (F0B), MINNEAPOLIS-ASCALON COMPLEX, 0 TO 3 PERCENT SLOPES (F0B), AND THE REYNOLDS-BUCKLE COMPLEX, 3 TO 9 PERCENT SLOPES (F0B). THE REYNOLDS-BUCKLE COMPLEX IS A SILTY CLAY LOAM WITH A VERY SLOW INFILTRATION RATE (HIGH RUNOFF POTENTIAL) WHEN THOROUGHLY WET. THE K FACTOR DESCRIBES A SOIL'S SUSCEPTIBILITY FOR RILL AND SHEET EROSION POTENTIAL (RATED 0.02 TO 0.09). THE HIGHER THE VALUE THE MORE SUSCEPTIBLE THE SOIL IS TO EROSION. THIS PROJECT'S AREAS SOIL HAS AN AVERAGE K OF 0.33.

SEDIMENT TRAPBASIN:

SEDIMENT BASIN: TRIBUTARY AREA IS 2.23 ACRES, WHICH IS LESS THAN 3 ACRES. THEREFORE USE 27W X 54L X 4D, CL = 6.0', HD = 3'4".

DIVERSION DITCH CAPACITY: 0.83 CFS @ 0.25%



VALID ONLY IF FIRST PLACE IS SIGNED

DETAIL SHEET		BMP LEGEND	
NO.	NO.	NO.	NO.
1	1	(CD)	CHECK DAM
2	1	(CB)	COMPOST BLANKET
3	1	(CF)	COMPOST FILTER BERM
4	1	(CN)	CONCRETE WASHOUT AREA
5	1	(CM)	CONSTRUCTION MARKERS
6	1	(CS)	CURB SOCK-INLET PROTECTION
7	1	(CW)	DEWATERING
8	1	(DD)	DIVERSION DITCH
9	1	(ED)	EROSION CONTROL BLANKET
10	2	(F0)	FLORIDA GROWTH MEDIUM
11	2	(IP)	INLET PROTECTION
12	2	(RC)	REINFORCED CHECK DAM
13	2	(RR)	REINFORCED ROCK BERM
14	2	(R0)	RIB FOR CULVERT PROTECTION
15	2	(SB)	SEDIMENT BASIN
16	2	(SC)	SEDIMENT CONTROL LOG
17	2	(ST)	STABILIZED STAGING AREA
18	2	(SM)	SEEDING AND MULCHING
19	2	(SF)	SILT FENCE
20	2	(SS)	STABILIZED STAGING AREA
21	2	(SR)	SURFACE ROUGHENING
22	2	(TD)	TEMPORARY SLOPE DRAIN
23	2	(TS)	TEMPORARY STREAM CROSSING
24	2	(TR)	TRAPBASIN
25	2	(VC)	VEHICLE TRACKING CONTROL
26	2	(VW)	VIC WITH WHEEL WASH
27	2	(WW)	WATER WASH
		(LOC)	LIMITS OF CONSTRUCTION

AREA OUTSIDE OF LIMITS OF CONSTRUCTION, LOC

BENCHMARK 314 LOCATED ON THE SECTION LINE. BENCHMARK 314 IS A 1/4" DIA. IRON PIPE SET IN THE GROUND. THE BENCHMARK IS THE PROPERTY OF THE ARAPAHOE COUNTY. THE BENCHMARK SURVEY WAS BEING 8004.81 FEET.

CALL 811
BEFORE YOU DIG
UNCC 1-800-922-1987

No.	Revisions	Date	Init.	Appr.	Date

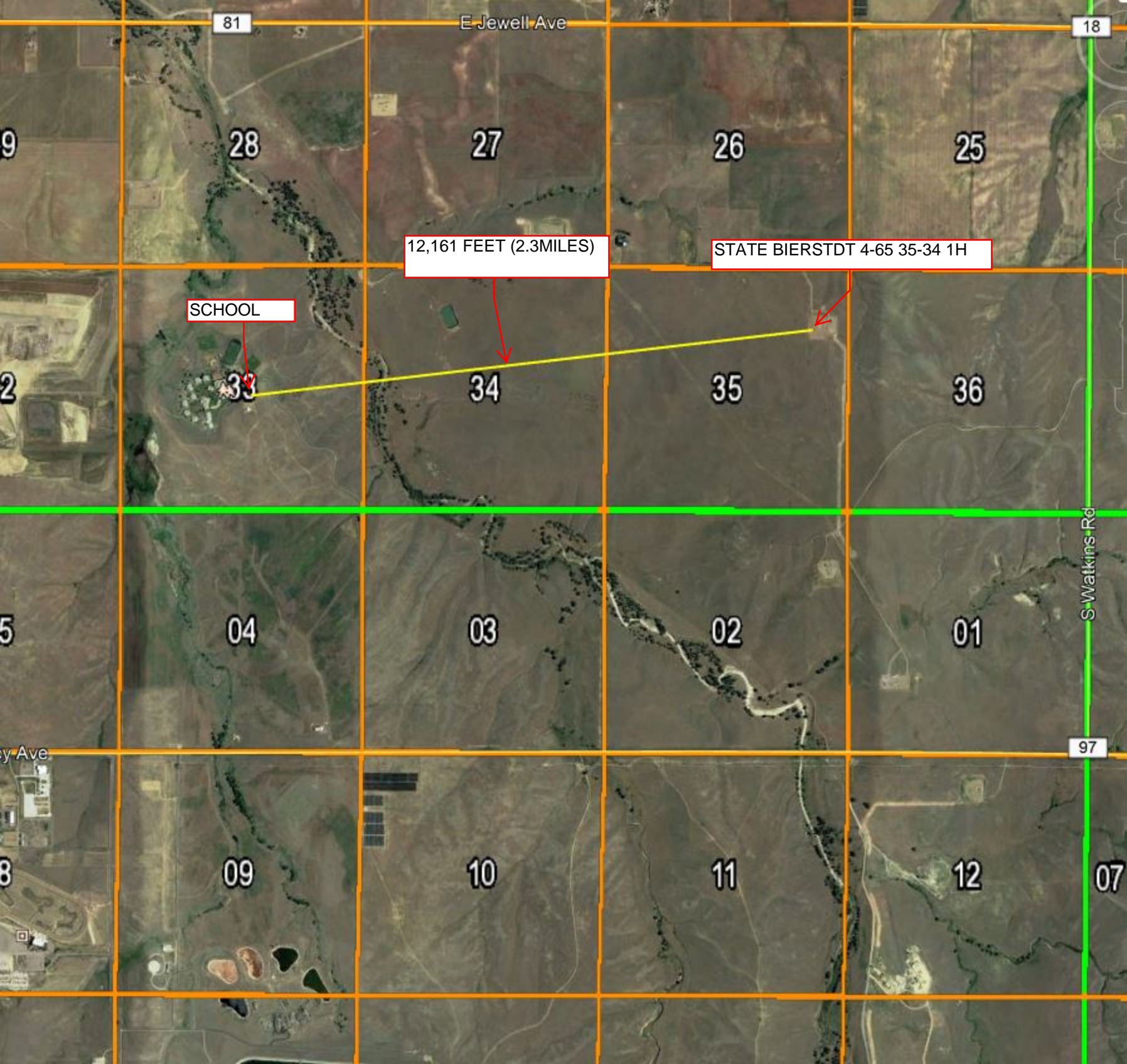
SHEET NUMBER	5	DRAWN BY:	JRG	SCALE:	AS SHOWN	STATE BIERSTADT 4-65 35-34 & LITTLE STATE BIERSTADT 4-65 35 GESC PLANS PHASE 1 FINAL GESC	CONOCOPHILLIPS COMPANY ATTN: KATHY DEBER 4501 E. QUINCY AVE. WATKINS, CO 80137 PHONE: (303) 268-3773	CIVIL ENGINEERING LAND SURVEYING	10333 E. Dry Creek Rd. Suite 240 Englewood, CO 80112 Tel: (720) 482-9526 Fax: (720) 482-9546
CHECKED BY:	MEL	FILE NO:	8.13.201695	DATE:	04/18/2017				

STATE BIERSTADT 4-65 35-34

Well Site Photos







81

E Jewell Ave

18

28

27

26

25

12,161 FEET (2.3MILES)

STATE BIERSTDT 4-65 35-34 1H

SCHOOL

33

34

35

36

04

03

02

01

S. Watkins Rd

97

y Ave

09

10

11

12

07