

Site: State Elbert-Massive
Location ID: 436514

 Gravel Pad
 Disturbed Area **ConocoPhillips**
 Wells

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

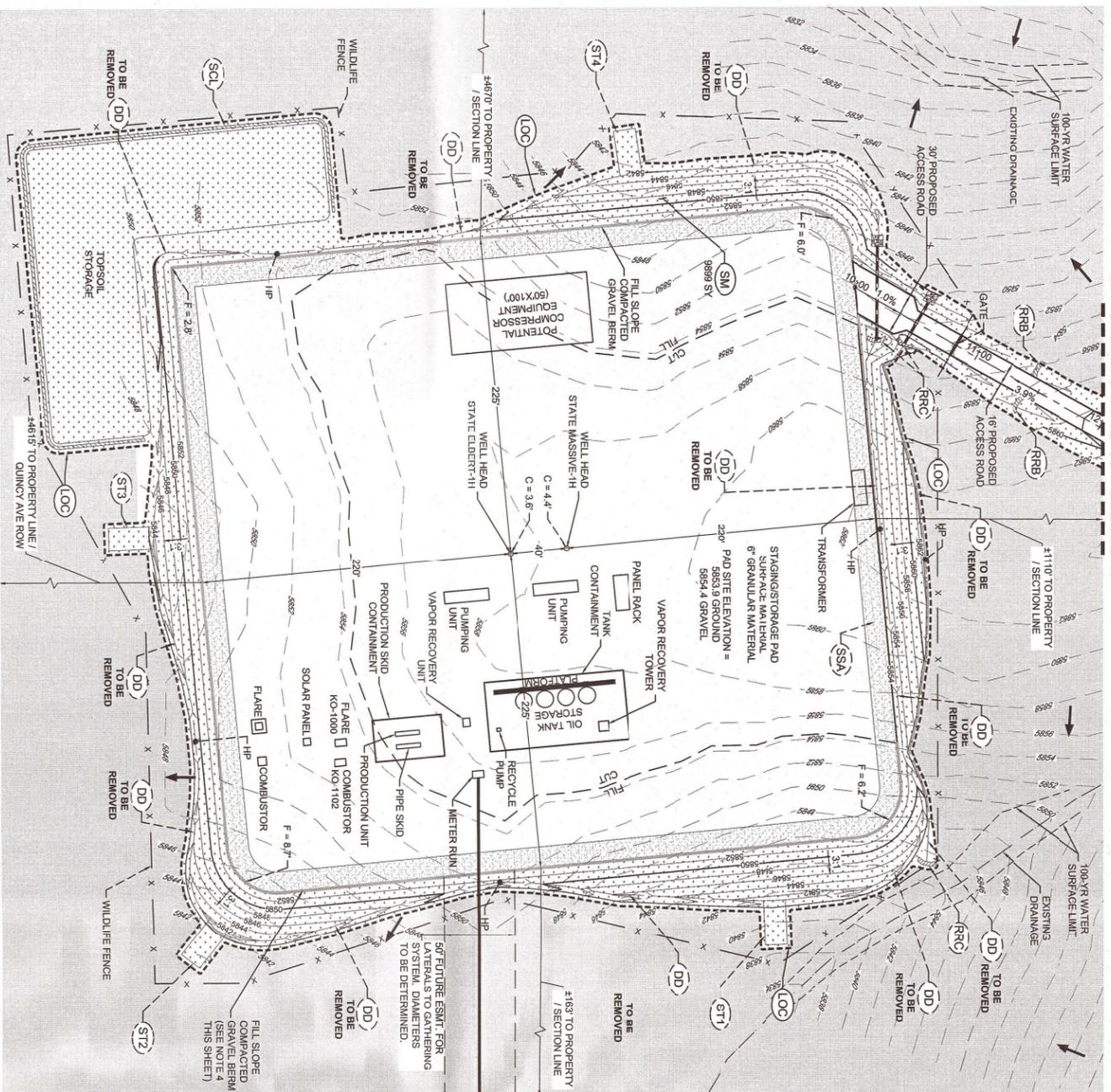
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S:\ARC_GIS_DATA\COGCC Surveys -06-07-19\06-10-19_COGCC_Surveyed_Sites.mxd

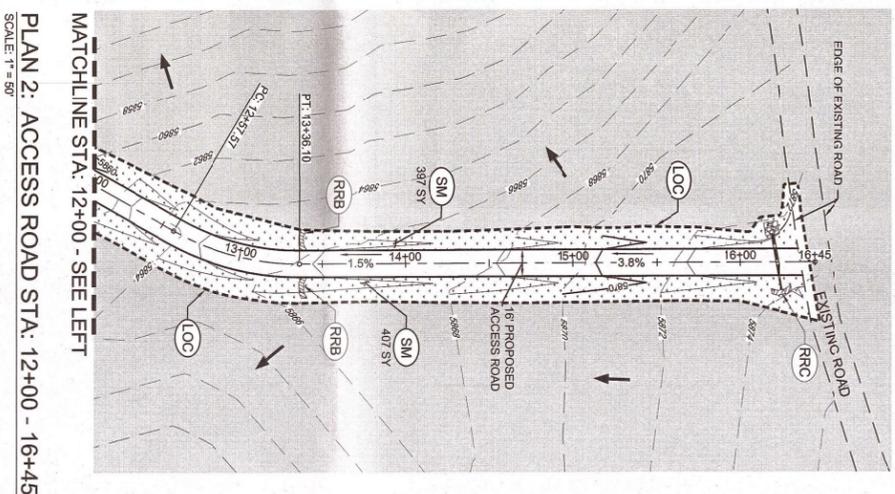
Location: State Challenger 5-65 2-3
Size: 4.56 acres



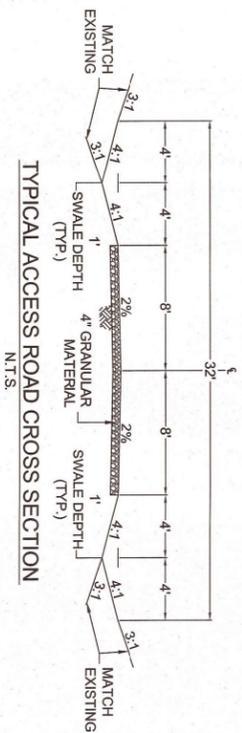
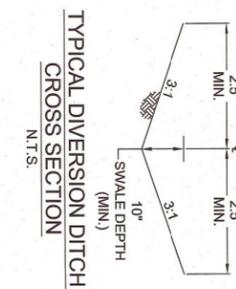
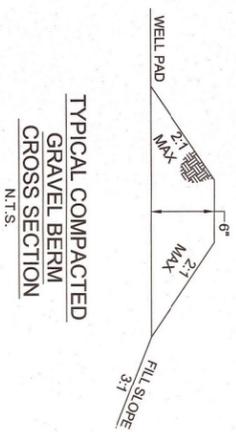
Location: State Elbert-Massive
Size: 2.84 acres



PLAN 1: WELL PAD SITE
SCALE: 1" = 50'



PLAN 2: ACCESS ROAD STA: 12+00 - 16+45
SCALE: 1" = 50'



NOTES:

- SEE THE ARAPAHOE COUNTY GESC PLAN STANDARD NOTES AND DETAILS, REVISED JANUARY 2010 (3 SHEETS) FOR ALL STANDARD DETAILS, NOTES AND LEGENDS OF DIMENSIONS AND SYMBOLS.
- EXISTING GRADE AT WELL HEAD MASSIVE: 5950.33
- EXISTING GRADE AT WEL HEAD ELBERT: 5957.54
- PAD SITE ELEVATION = 5953.9 (GROUND), 5954.4 (GRAVEL)
- FILL SLOPES = 3:1
- TOPSOIL = 4.877 CY
- TOTAL CUT = 18,689 CY (DOES NOT INCLUDE TOPSOIL)
- TOTAL FILL = 18,689 CY (DOES NOT INCLUDE TOPSOIL)
- TOTAL DISTURBED AREA = 7.40 ACRES (INCLUDING ACCESS ROADWAY)
- ALL DIVERSION DITCHES ARE ANTICIPATED TO BE UNLINED
- PIPE IS LARGER THAN THE HOLE DIAMETER
- ALL BMPs ARE INTERIM UNLESS LABELED OTHERWISE
- IF THE SIDE SLOPE OF 2:1 DOES NOT WORK WELL ON SITE FOR GRAVEL BERMS, A 3:1 OR FLATTER SLOPE SHOULD BE USED.

SOILS:

USING THE US DEPARTMENT OF AGRICULTURE'S WEB SOIL SURVEY, TWO SOIL TYPES EXIST WITHIN THE PROJECT BOUNDARY. BRESSER-TRUCKTON SANDY LOAMS (BE) AND BRICK LOAM (BK). BRESSER-TRUCKTON SANDY LOAMS FALL INTO THE HYDROLOGIC CLASSIFICATION GROUP B WHICH HAS A MODERATE INFILTRATION RATE. BRICK LOAM FALLS INTO THE HYDROLOGIC CLASSIFICATION GROUP C WHICH HAS A SLOW INFILTRATION RATE. THE HYDROLOGIC CLASSIFICATION GROUP C WHICH HAS A SLOW INFILTRATION RATE IS MORE SUSCEPTIBLE TO EROSION. THE HIGHER THE VALUE THE MORE SUSCEPTIBLE THE SOIL IS TO EROSION. THIS PROJECT'S AREAS SOIL HAS AN AVERAGE K OF 0.27.

SEDIMENT TRAP BASIN:

SEDIMENT TRAP 1: TRIBUTARY AREA IS 0.34 ACRES
 SEDIMENT TRAP 2: TRIBUTARY AREA IS 0.48 ACRES
 SEDIMENT TRAP 3: TRIBUTARY AREA IS 0.48 ACRES
 SEDIMENT TRAP 4: TRIBUTARY AREA IS 0.41 ACRES
 ALL SEDIMENT TRAP DIMENSIONS ARE: 16'W X 32'L X 1.5'D.

DIVERSION DITCH CAPACITY:

4.12 CFS @ 0.25%

NO.	NO.	BMP	LEGEND
1	1	DD	CHECK DAM
2	2	CB	COMPOST BLANKET
3	3	CFB	COMPOST FILTER BERM
4	4	CWA	CONCRETE WASHOUT AREA
5	5	CF	CONSTRUCTION FENCE
6	6	CM	CONSTRUCTION MARKERS
7	7	CS	CURB SOCK - INLET PROTECTION
8	8	DW	DEWATERING
9	9	DD	DIVERSION DITCH
10	10	EDB	EROSION CONTROL BLANKET
11	11	ERM	FLEXIBLE GROWTH MEDIUM
12	12	IP	INLET PROTECTION
13	13	RCD	REINFORCED CHECK DAM
14	14	RFB	REINFORCED ROCK BERM
15	15	RFB	RIG FOR QUARRY PROTECTION
16	16	SB	SEDIMENT BASIN
17	17	SSL	SEDIMENT CONTROL LOOP
18	18	ST	SEEDING AND MULCHING
19	19	SM	SEEDING AND MULCHING
20	20	SF	SILT FENCE
21	21	SSA	STABILIZED STRONG AREA
22	22	SR	SURFACE ROUGHENING
23	23	TD	TEMPORARY SLOPE DRAIN
24	24	TS	TEMPORARY STREAM CROSSING
25	25	TER	TERACING
26	26	VTC	VEHICLE TRACKING CONTROL
27	27	VM	WICK WITH WHEEL WASH ROCK AND GRAVEL GRANULATIONS

CVL CONSULTANTS
CIVIL ENGINEERING LAND SURVEYING

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3450 E. QUINCY AVE.
WATKINS, CO 80137
PHONE: (303) 268-3711

STATE ELBERT-1H & STATE MASSIVE-1H WELLS GESC PLANS FINAL PHASE

SCALE: AS SHOWN

FILE NO: 8.13.0201627

DATE: 10-17-13

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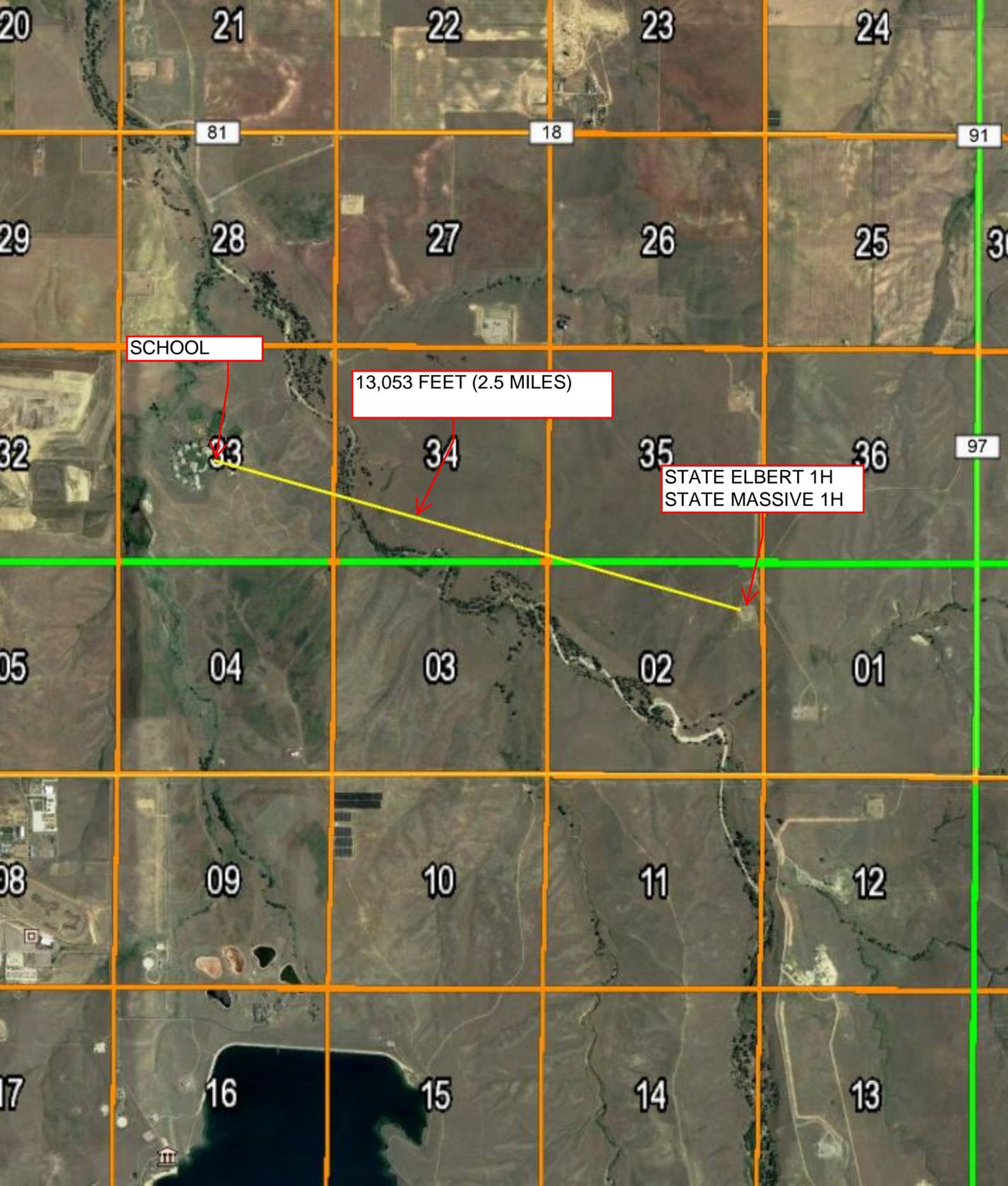
SHEET NUMBER

UNCC
BEFORE YOU DIG
CALL 811
TWO WORKING DAYS
BEFORE YOU DIG
1-800-922-1987

STATE ELBERT 1H
STATE MASSIVE 1H
Well Site Photos







SCHOOL

13,053 FEET (2.5 MILES)

STATE ELBERT 1H
STATE MASSIVE 1H