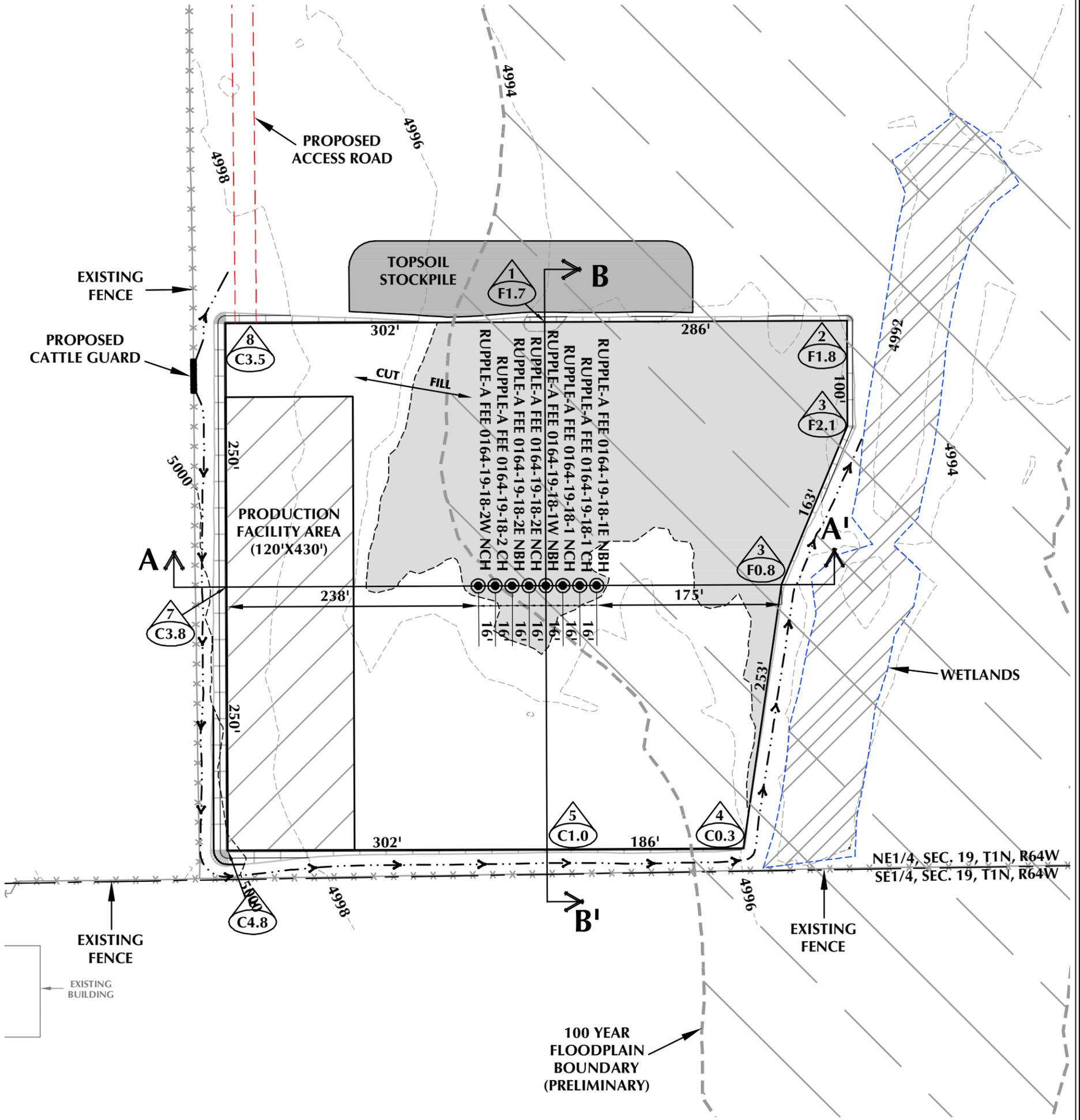


NOTE:

1. AFTER WELL PAD CONSTRUCTION IS COMPLETED, WELL PAD AREA WILL BE FENCED AND A CATTLE GUARD WILL BE INSTALLED AT THE ENTRANCE TO THE WELL PAD.
2. EXISTING UTILITIES DISPLAYED ON THE GRADING PLAN ARE FOR REFERENCE PURPOSES ONLY. PRIOR TO CONSTRUCTION OR EARTHWORK, CONTRACTOR WILL BE RESPONSIBLE TO CALL FOR LOCATES: (800) 922-1987
3. DIVERSION DITCH AND/OR BERM TO BE CONSTRUCTED AROUND THE PAD LOCATION. BERM SECTIONS TO BE COMPACTED IN ACCORDANCE WITH STANDARD CONSTRUCTION PRACTICES.
4. CENTER OF WELL PAD REFERENCED BELOW CORRESPONDS TO THE SURFACE LOCATION OF THE RUPPLE-A FEE 0164-19-18-1W NBH WELL.

WELL NAME:	C/F
RUPPLE-A FEE 0164-19-18-1E NBH	F0.0
RUPPLE-A FEE 0164-19-18-1 CH	F0.2
RUPPLE-A FEE 0164-19-18-1 NCH	F0.2
RUPPLE-A FEE 0164-19-18-1W NBH	F0.3
RUPPLE-A FEE 0164-19-18-2E NCH	F0.3
RUPPLE-A FEE 0164-19-18-2E NBH	F0.4
RUPPLE-A FEE 0164-19-18-2 CH	F0.2
RUPPLE-A FEE 0164-19-18-2W NCH	F0.3



WELL PAD - RUPPLE-A DESIGN SUMMARY

WELL PAD QUANTITIES AND DESIGN PARAMETERS

EXISTING GRADE @ CENTER OF WELL PAD = 4995.3'
 FINISHED GRADE ELEVATION = 4995.6'
 CUT/FILL SLOPES = 3:1
 SHRINKAGE FACTOR = 1.15
 SWELL FACTOR = 1.00
 TOTAL CUT FOR WELL PAD = 5,064 C.Y.
 TOTAL FILL FOR WELL PAD = 5,064 C.Y.
 TOPSOIL @ 6" DEPTH = 5,228 C.Y.
 EXCESS MATERIAL = 0 C.Y.

WELL PAD QUANTITIES

GRADED WELL PAD SURFACE AREA = 6.17 ACRES
 TOTAL WELL PAD AREA = 6.48 ACRES
 TOTAL DISTURBANCE AREA = 7.89 ACRES

WELL PAD LEGEND

- EXISTING WELL LOCATION
- PROPOSED WELL LOCATION
- EXISTING CONTOURS (2' INTERVAL)
- PROPOSED CONTOURS (2' INTERVAL)
- EPL - EXISTING PIPELINE
- PPL - PROPOSED PIPELINE
- EXISTING FENCE
- PUE - PROPOSED UNDERGROUND ELECTRIC LINE
- DIVERSION DITCH AND/OR BERM



HORIZONTAL 0 50' 100' 1" = 100'
 2' CONTOURS

SCALE: 1"=100'	DATE: 2/15/17	SHEET NO:
REVISED:	SRS 8/8/17	1 1 OF 2

WELL PAD - RUPPLE-A

RUPPLE-A FEE 0164-19-18-1E NBH, RUPPLE-A FEE 0164-19-18-1 CH,
 RUPPLE-A FEE 0164-19-18-1 NCH, RUPPLE-A FEE 0164-19-18-1W NBH
 RUPPLE-A FEE 0164-19-18-2E NCH, RUPPLE-A FEE 0164-19-18-2E NBH
 RUPPLE-A FEE 0164-19-18-2 CH & RUPPLE-A FEE 0164-19-18-2W NCH
 LOCATED IN SECTION 19, T1N, R64W, 6TH P.M.
 WELD COUNTY, COLORADO

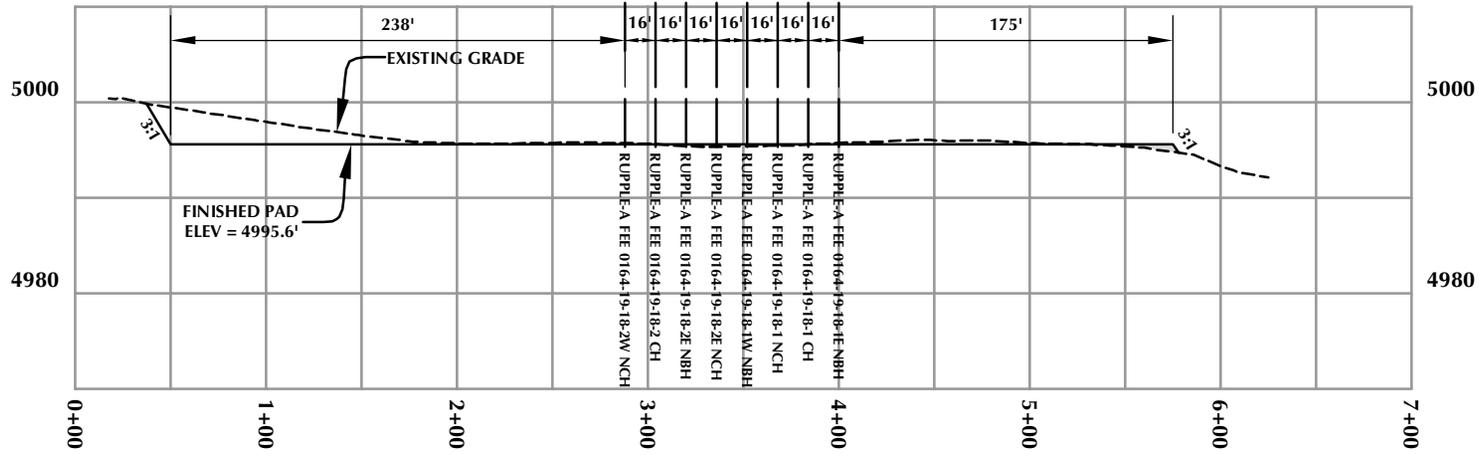
Anschutz Oil Company
 555 17th Street, Suite 2400
 Denver, Colorado 80202



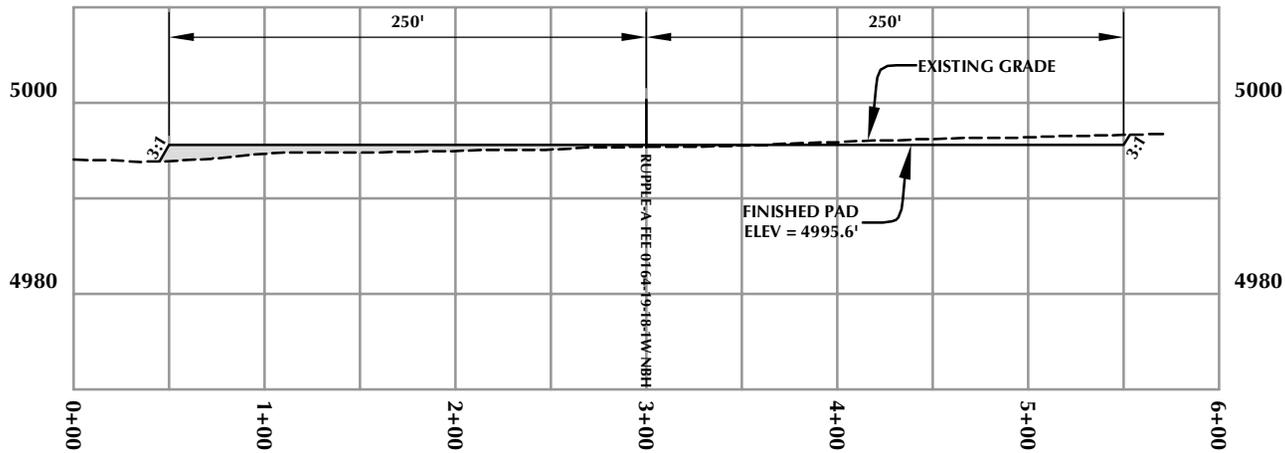
LOVELAND OFFICE
 1635 Foxtrail Drive, Suite 204
 Loveland, Colorado 80538
 Phone 970-776-4331

SHERIDAN OFFICE
 1095 Saberton Avenue
 Sheridan, Wyoming 82801
 Phone 307-674-0609

CONSULTING, LLC



CROSS SECTION A-A'



CROSS SECTION B-B'

WELL PAD - RUPPLE-A

RUPPLE-A FEE 0164-19-18-1E NBH, RUPPLE-A FEE 0164-19-18-1 CH,
 RUPPLE-A FEE 0164-19-18-1 NCH, RUPPLE-A FEE 0164-19-18-1W NBH
 RUPPLE-A FEE 0164-19-18-2E NCH, RUPPLE-A FEE 0164-19-18-2E NBH
 RUPPLE-A FEE 0164-19-18-2 CH & RUPPLE-A FEE 0164-19-18-2W NCH
 WELL PAD - CROSS SECTIONS
 LOCATED IN SECTION 19, T1N, R64W, 6TH P.M.
 WELD COUNTY, COLORADO

**Anschutz Oil
 Company**

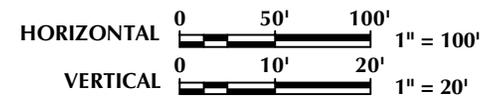
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SCALE: 1"=100'

DATE: 3/7/17

SHEET NO:

REVISED:

SRS
 8/8/17

2

2 OF 2