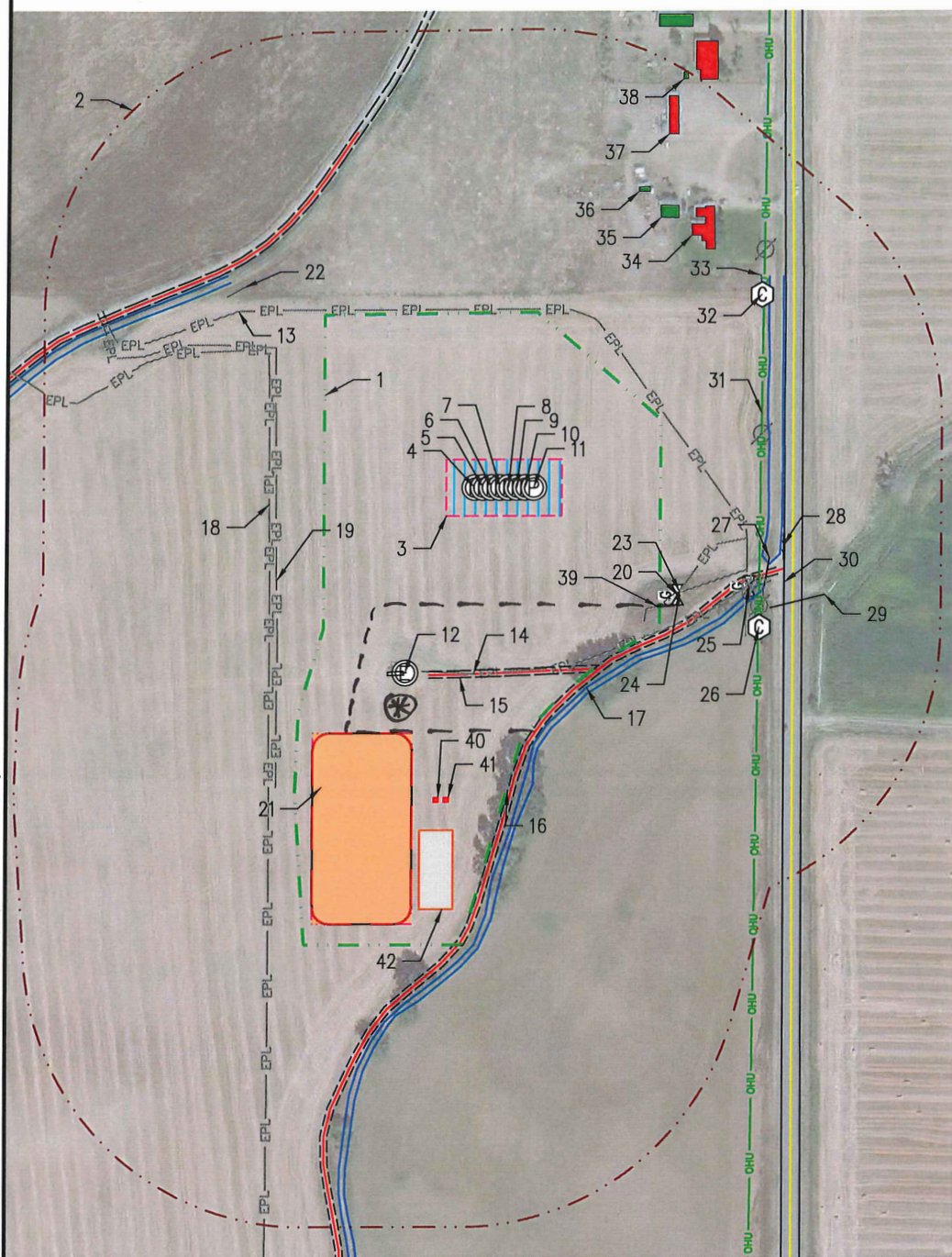
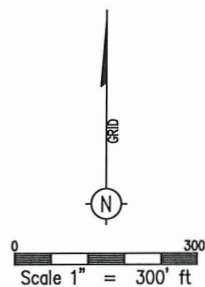












HORIZONTAL MULTI-WELL PAD  
NE 1/4 SE1/4 SECTION 12, TOWNSHIP 1 NORTH, RANGE 68 WEST, 6TH P.M.



1. OPERATION DISTURBANCE AREA
2. 500' BUFFER
3. PUMP JACK OPERATIONS AREA
4. PROPOSED WELL TULA 12-9HZ
5. PROPOSED WELL TULA 12-10HZ
6. PROPOSED WELL TULA 12-11HZ
7. PROPOSED WELL TULA 12-12HZ
8. PROPOSED WELL TULA 12-13HZ
9. PROPOSED WELL TULA 12-14HZ
10. PROPOSED WELL TULA 12-15HZ
11. PROPOSED WELL TULA 12-16HZ
12. EXISTING WELL FOREMAN UNIT #2  $\pm 350'$  SW
13. EXISTING PIPELINE  $\pm 315'$  N
14. EXISTING PIPELINE  $\pm 338'$  S
15. EXISTING ACCESS ROAD  $\pm 324'$  S
16. EXISTING ACCESS ROAD  $\pm 385'$  S
17. EXISTING DITCH  $\pm 407'$  SE
18. EXISTING PIPELINE  $\pm 368'$  W
19. EXISTING PIPELINE  $\pm 355'$  W
20. GAS VALVE  $\pm 395'$  SE
21. PROPOSED FACILITY  $\pm 457'$  SW
22. FENCE  $\pm 546'$  NW
23. EXISTING PIPELINE  $\pm 410'$  SE
24. EXISTING PIPELINE  $\pm 411'$  SE
25. GAS VALVE  $\pm 520'$  SE
26. COMMUNICATIONS PEDESTAL  $\pm 565'$  SE
27. 18" CONCRETE PIPE  $\pm 540'$  SE
28. REFLECTOR POST  $\pm 559'$  SE
29. 18" CONCRETE PIPE  $\pm 569'$  SE
30. WCR 13  $\pm 551'$  E
31. OVERHEAD UTILITY  $\pm 509'$  E
32. COMMUNICATIONS PEDESTAL  $\pm 613'$  NE
33. FENCE  $\pm 611'$  NE
34. BUILDING UNIT  $\pm 586'$  NE
35. BUILDING  $\pm 580'$  NE
36. BUILDING  $\pm 598'$  NE
37. BUILDING UNIT  $\pm 713'$  NE
38. BUILDING  $\pm 811'$  NE
39. EXISTING PIPELINE  $\pm 374'$  SE
40. PROPOSED TEMPORARY ECD  $\pm 552'$  S
41. PROPOSED TEMPORARY ECD  $\pm 551'$  S
42. PROPOSED TEMPORARY EQUIPMENT  $\pm 608'$  S



	EXISTING WELL		PRIVATE ROAD		DITCH/CANAL/DRAINAGE		POND
	PROPOSED WELL		500' BUFFER		OHU		OVERHEAD UTILITY LINE
	WATER WELL		DISTURBANCE AREA				EXISTING FACILITY
	EXISTING FENCE		PUMP JACK AREA				EXISTING BUILDINGS
	PUBLIC ROAD		PROPOSED FACILITY				RESIDENCE/BUILDING UNIT

DATA SOURCES:  
-AERIAL COURTESY OF BING  
-WATER WELLS COURTESY OF  
DIVISION OF WATER RESOURCES

SURFACE USE: IRRIGATED CROP  
NEAREST BUILDING UNIT: ±586' NE

WELL PAD - TULA 9-12HZ PAD

1099 18th Street  
Denver, Colorado 80202

CHECKED BY  
AAD

INITIAL SUBMITTAL	3/13/2018
REVISED	3/22/2018
DRAWING SIZE	8.5" X 11"
JOB NO.	ANADIN68W12-01
SHEET	1 OF 1

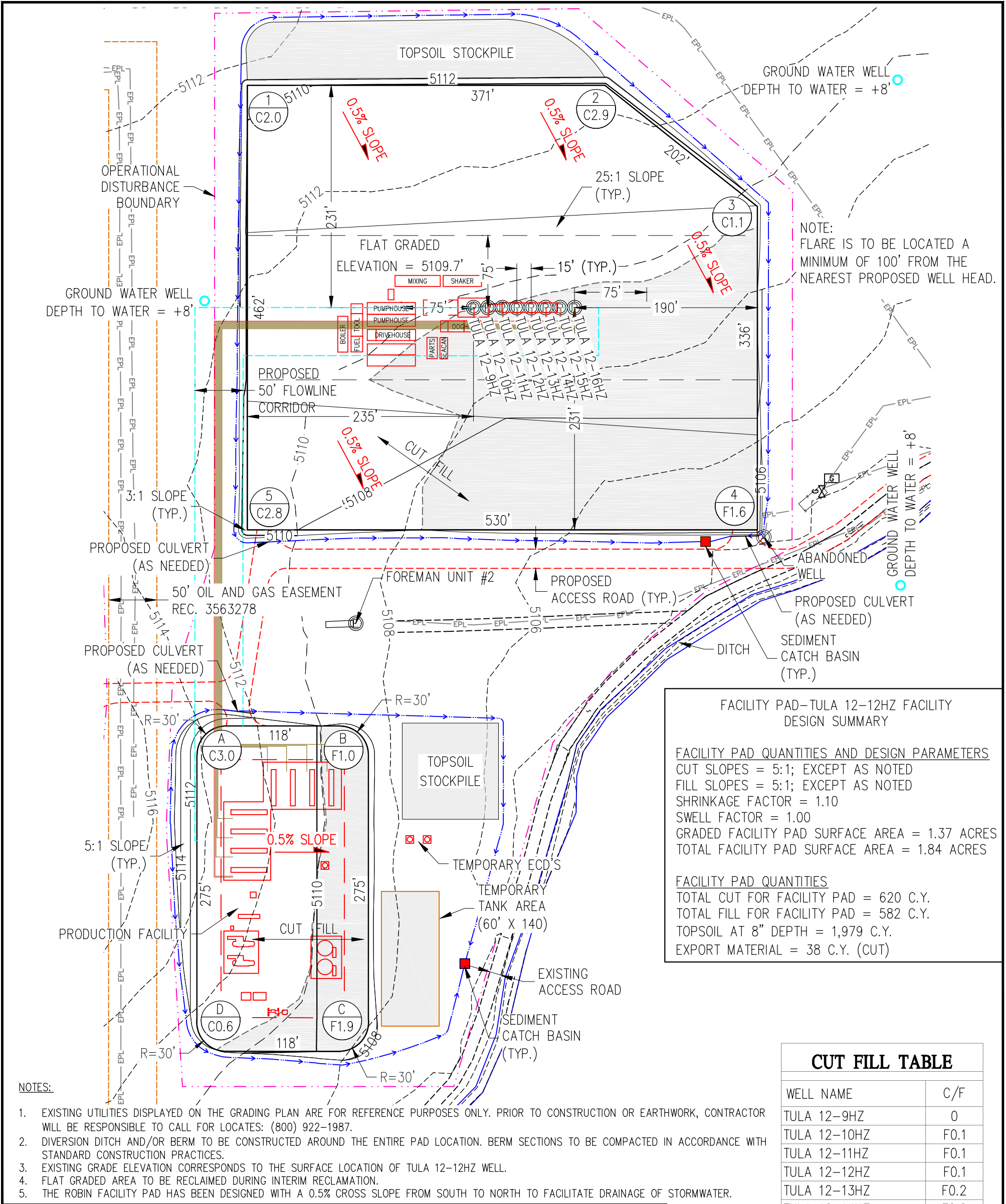


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\*REFERENCE LOCATION\*  
ALL MEASUREMENTS ARE MADE FROM  
REFERENCE WELL: TULA 12-9HZ  
LAT: 40.064867° LONG: -104.944308°  
EXISTING GROUND ELEVATION=5109.7'  
WELL FOOTAGES: 2292' FSL & 537' FEL

② Area around Foreman Unit #2 well will not be disturbed  
(shown with dashed line ---)





FACILITY PAD-TULA 12-12HZ FACILITY DESIGN SUMMARY	
FACILITY PAD QUANTITIES AND DESIGN PARAMETERS	
CUT SLOPES = 5:1; EXCEPT AS NOTED	
FILL SLOPES = 5:1; EXCEPT AS NOTED	
SHRINKAGE FACTOR = 1.10	
SWELL FACTOR = 1.00	
GRADED FACILITY PAD SURFACE AREA = 1.37 ACRES	
TOTAL FACILITY PAD SURFACE AREA = 1.84 ACRES	
FACILITY PAD QUANTITIES	
TOTAL CUT FOR FACILITY PAD = 620 C.Y.	
TOTAL FILL FOR FACILITY PAD = 582 C.Y.	
TOPSOIL AT 8" DEPTH = 1,979 C.Y.	
EXPORT MATERIAL = 38 C.Y. (CUT)	

CUT FILL TABLE	
WELL NAME	C/F
TULA 12-9HZ	0
TULA 12-10HZ	F0.1
TULA 12-11HZ	F0.1
TULA 12-12HZ	F0.1
TULA 12-13HZ	F0.2
TULA 12-14HZ	F0.2
TULA 12-15HZ	F0.3
TULA 12-16HZ	F0.4

WELL PAD TULA 12-13HZ DESIGN SUMMARY	
WELL PAD QUANTITIES AND DESIGN PARAMETERS	WELL PAD QUANTITIES
EXISTING GRADE ELEVATION = 5109.5'	TOTAL CUT FOR WELL PAD = 4,297 C.Y.
FINISHED GRADE ELEVATION = 5109.6'	TOTAL FILL FOR WELL PAD = 4,012 C.Y.
CUT SLOPES = 3:1; EXCEPT AS NOTED	TOPSOIL AT 8" DEPTH = 6,101 C.Y.
FILL SLOPES = 3:1; EXCEPT AS NOTED	EXPORT MATERIAL = 285 C.Y. (CUT)
SHRINKAGE FACTOR = 1.10	
SWELL FACTOR = 1.00	
GRADED WELL PAD SURFACE AREA = 5.39 ACRES	
TOTAL WELL PAD SURFACE AREA = 5.67 ACRES	
OPERATIONAL DISTURBANCE AREA = 12.28 ACRES	

LEGEND:	
OHU	OVERHEAD UTILITY
ROW	ROW
EPL	EXISTING PIPELINE
EDGE OF PAD/FACILITY	EDGE OF PAD/FACILITY
DIVERSION DITCH AND/OR BERM	DIVERSION DITCH AND/OR BERM
EXISTING CONTOUR (2' INTERVAL)	EXISTING CONTOUR (2' INTERVAL)
PROPOSED CONTOUR (2' INTERVAL)	PROPOSED CONTOUR (2' INTERVAL)
EXISTING WELL	EXISTING WELL
PROPOSED WELL	PROPOSED WELL
GAS VALVE	GAS VALVE
GROUND WATER WELL	GROUND WATER WELL
POWERPOLE	POWERPOLE
SECTION CORNER AS DESCRIBED	SECTION CORNER AS DESCRIBED

DRAFT