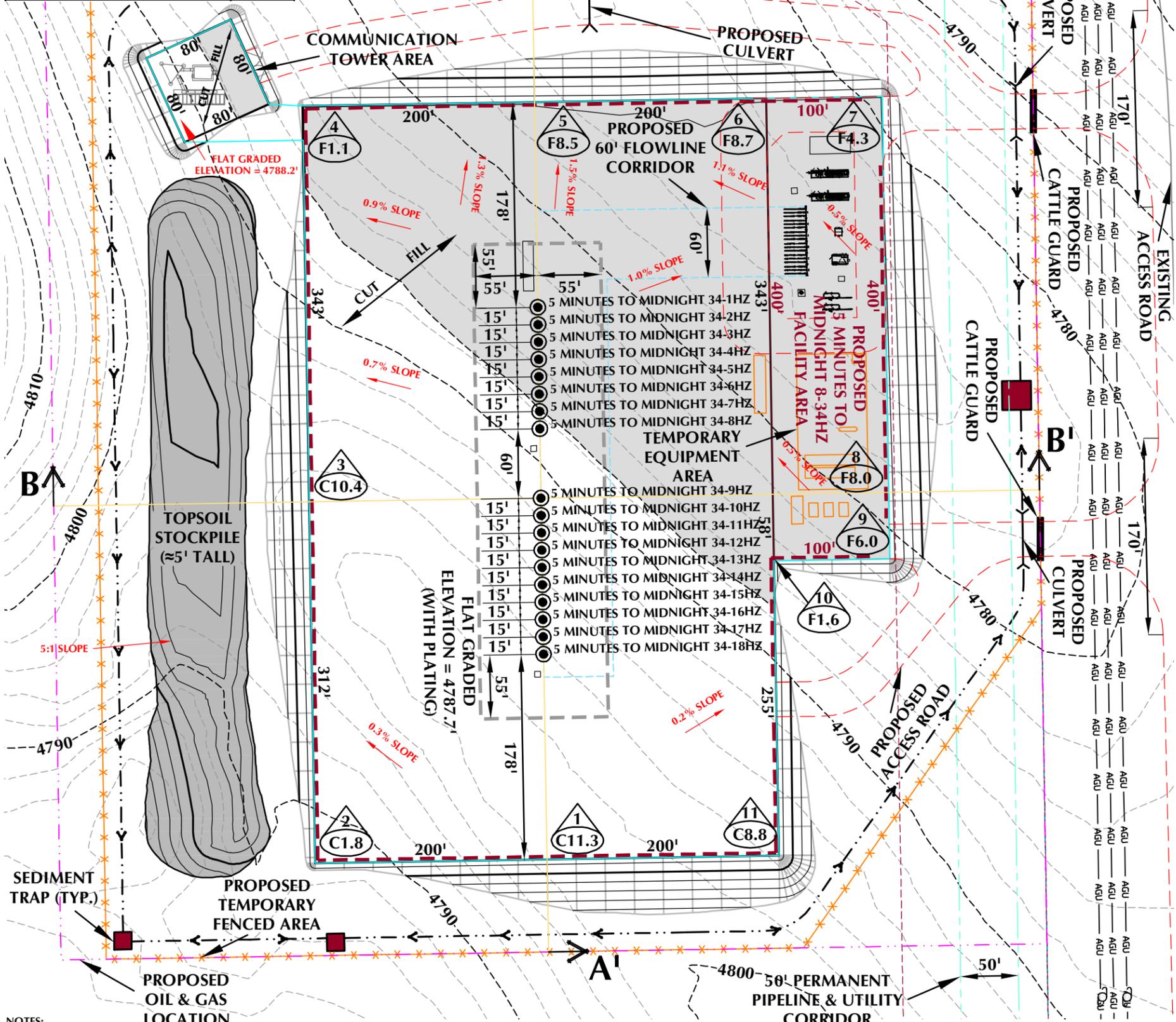


WELL NAME:	C/F
5 MINUTES TO MIDNIGHT 34-1HZ	F4.0
5 MINUTES TO MIDNIGHT 34-2HZ	F3.4
5 MINUTES TO MIDNIGHT 34-3HZ	F2.7
5 MINUTES TO MIDNIGHT 34-4HZ	F1.8
5 MINUTES TO MIDNIGHT 34-5HZ	F1.0
5 MINUTES TO MIDNIGHT 34-6HZ	F0.2
5 MINUTES TO MIDNIGHT 34-7HZ	C0.6
5 MINUTES TO MIDNIGHT 34-8HZ	C1.3
5 MINUTES TO MIDNIGHT 34-9HZ	C3.5
5 MINUTES TO MIDNIGHT 34-10HZ	C4.2
5 MINUTES TO MIDNIGHT 34-11HZ	C4.7
5 MINUTES TO MIDNIGHT 34-12HZ	C5.4
5 MINUTES TO MIDNIGHT 34-13HZ	C5.8
5 MINUTES TO MIDNIGHT 34-14HZ	C6.4
5 MINUTES TO MIDNIGHT 34-15HZ	C6.9
5 MINUTES TO MIDNIGHT 34-16HZ	C7.5
5 MINUTES TO MIDNIGHT 34-17HZ	C8.0
5 MINUTES TO MIDNIGHT 34-18HZ	C8.5

TOWER AREA - 5 MINUTES TO MIDNIGHT 8-34HZ
DESIGN SUMMARY
PAD QUANTITIES AND DESIGN PARAMETERS
 FINISHED GRADE ELEVATION = 4788.2'
 CUT/FILL SLOPES = 4:1
 SHRINKAGE FACTOR = 1.10
 SWELL FACTOR = 1.00
 GRADED TOWER AREA = 0.15 ACRES
 TOTAL TOWER AREA = 0.24 ACRES
 MAX CUT ON PAD = 3.5'
 MAX FILL ON PAD = 2.5'

TOWER AREA PAD QUANTITIES
 TOTAL CUT FOR TOWER AREA = 264 C.Y.
 TOTAL FILL FOR TOWER AREA = 264 C.Y.
 TOPSOIL @ 6" DEPTH = 195 C.Y.
 IMPORT MATERIAL = 0 C.Y.

NOTE:
 FLARE IS TO BE LOCATED
 A MINIMUM OF 100'
 FROM THE NEAREST
 PROPOSED WELL HEAD.



- NOTES:**
1. AT THE TIME OF FILING THIS APPLICATION, PIPELINE AND UTILITY CORRIDORS WILL DISTURB APPROXIMATELY 135.83 ACRES FOR DEVELOPMENT OF THE NINE LOCATIONS INCLUDED IN THIS PROPOSED FILLY OGDG AND COLT OGDG IN THE BRONCO CAP. THE ENTIRE PIPELINE AND UTILITY CORRIDORS MUST BE CONSTRUCTED TO SUPPORT PRODUCTION FROM THIS OGDG.
 2. AT THE TIME OF FILING THIS APPLICATION, THE IMPROVED EXISTING PERMANENT PRIVATE ACCESS ROAD WILL DISTURB APPROXIMATELY 31.22 ACRES AND BE UTILIZED FOR THE DEVELOPMENT OF THE NINE LOCATIONS INCLUDED IN THIS PROPOSED FILLY OGDG AND COLT OGDG IN THE BRONCO CAP. THE NEW ACCESS ROAD DISTURBANCE ACREAGE LISTED BELOW IS ONLY FOR THE 5 MINUTES TO MIDNIGHT 8-34HZ LOCATION.
 3. 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
 4. DIVERSION DITCH AND/OR BERM TO BE CONSTRUCTED AROUND THE ENTIRE PAD LOCATION. BERM SECTIONS TO BE COMPACTED IN ACCORDANCE WITH STANDARD CONSTRUCTION PRACTICES.
 5. CENTER OF WELL PAD REFERENCED BELOW CORRESPONDS TO THE SURFACE LOCATION OF THE 5 MINUTES TO MIDNIGHT 34-9HZ WELL.
 6. FLAT GRADED AREA TO BE RECLAIMED DURING INTERIM RECLAMATION.
 7. CONTOURS DISPLAYED ARE GENERATED USING SURFACE INCLUDING PLATING MATERIAL. PLATING TO BE PLACED FOR STRONGBACK MATERIAL AND ACROSS ENTIRE GRADED PAD AT 8" DEPTH.

5 MINUTES TO MIDNIGHT 8-34HZ CONSTRUCTION LAYOUT DRAWING - PLAN VIEW

QUANTITIES AND DESIGN PARAMETERS
 EXISTING GRADE @ CENTER OF PAD = 4791.2'
 FINISHED GRADE ELEVATION = 4787.7' (WITH PLATING)
 CUT/FILL SLOPES = 4:1
 SHRINKAGE FACTOR = 1.10
 SWELL FACTOR = 1.00
 GRADED PAD SURFACE AREA = 6.93 ACRES
 TOTAL PAD AREA = 8.37 ACRES
 TOTAL FENCED AREA = 15.14 ACRES
 PROPOSED OIL & GAS LOCATION = 16.60 ACRES

PAD QUANTITIES
 TOTAL CUT FOR PAD = 45,304 C.Y.
 TOTAL FILL FOR PAD = 45,304 C.Y.
 TOPSOIL @ 6" DEPTH = 6,752 C.Y.
 STRONGBACK PLATING MATERIAL = 3,189 C.Y.
 PLATING MATERIAL @ 8" DEPTH = 7,784 C.Y.
 TOTAL PLATING MATERIAL = 10,973 C.Y.
TOTAL DISTURBANCE AREA
 OIL & GAS LOCATION = 16.60 ACRES
 WORKING PAD SURFACE = 7.13 ACRES
 IMPROVED ACCESS ROAD = SEE NOTE 2
 NEW ACCESS ROAD = 1.05 ACRES
 PIPELINE/UTILITY CORRIDOR = SEE NOTE 1

LEGEND

- EXISTING WELL LOCATION
- PROPOSED WELL LOCATION
- - - EXISTING CONTOURS (2' INTERVAL)
- - - PROPOSED CONTOURS (2' INTERVAL)
- EPL - EXISTING PIPELINE
- - - WORKING PAD SURFACE
- - - PROPOSED SOUND MITIGATION
- - - EXISTING FENCE
- - - PROPOSED FENCE
- - - DIVERSION DITCH AND/OR BERM

SCALE: 1" = 100'
DATE: 11/20/23
SHEET NO: 1 OF 1

5 MINUTES TO MIDNIGHT 8-34HZ
 CONSTRUCTION LAYOUT DRAWING - PLAN VIEW
 5 MINUTES TO MIDNIGHT 34-1HZ, 5 MINUTES TO MIDNIGHT 34-2HZ,
 5 MINUTES TO MIDNIGHT 34-3HZ, 5 MINUTES TO MIDNIGHT 34-4HZ,
 5 MINUTES TO MIDNIGHT 34-5HZ, 5 MINUTES TO MIDNIGHT 34-6HZ,
 5 MINUTES TO MIDNIGHT 34-7HZ, 5 MINUTES TO MIDNIGHT 34-8HZ,
 5 MINUTES TO MIDNIGHT 34-9HZ, 5 MINUTES TO MIDNIGHT 34-10HZ,
 5 MINUTES TO MIDNIGHT 34-11HZ, 5 MINUTES TO MIDNIGHT 34-12HZ,
 5 MINUTES TO MIDNIGHT 34-13HZ, 5 MINUTES TO MIDNIGHT 34-14HZ,
 5 MINUTES TO MIDNIGHT 34-15HZ, 5 MINUTES TO MIDNIGHT 34-16HZ,
 5 MINUTES TO MIDNIGHT 34-17HZ & 5 MINUTES TO MIDNIGHT 34-18HZ
 LOCATED IN SECTION 34, T4N, R63W, 6TH P.M.
 WELD COUNTY, COLORADO

Kerr-McGee Oil & Gas Onshore LP
 1099 18th Street
 Denver, Colorado 80202

609 CONSULTING, LLC

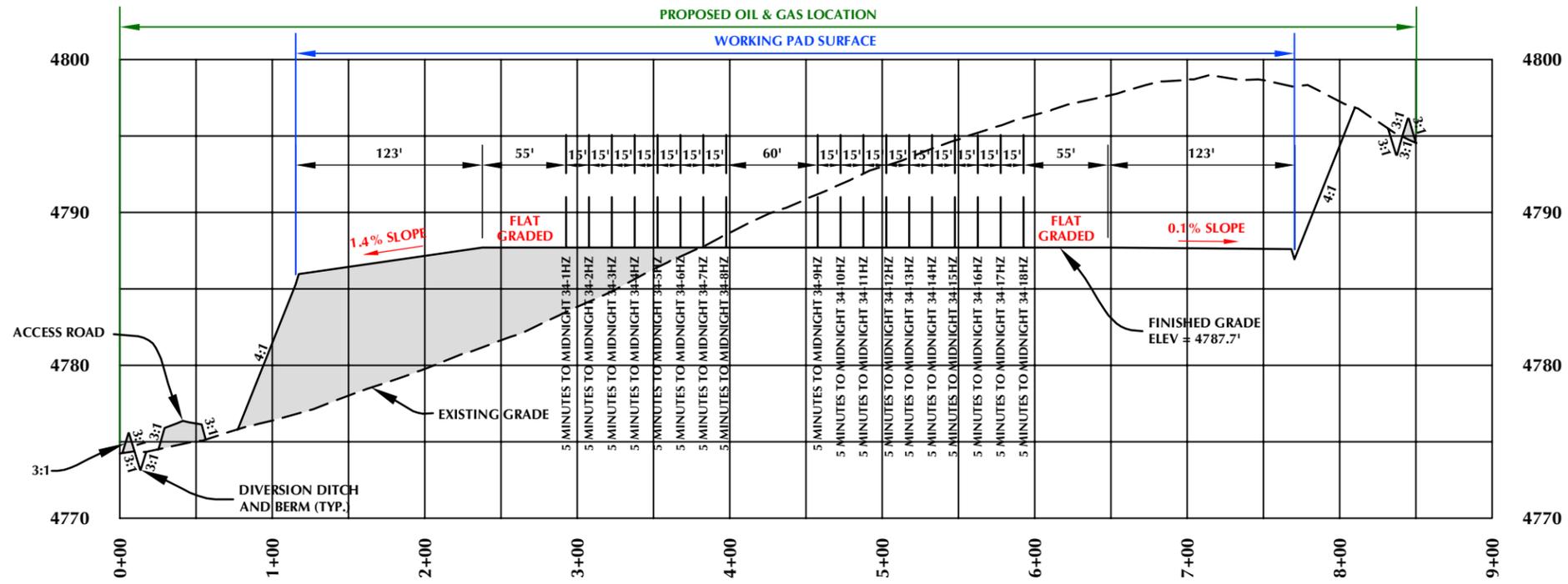
LOVELAND OFFICE
 6706 North Franklin Avenue
 Loveland, Colorado 80538
 Phone 970-776-4331

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

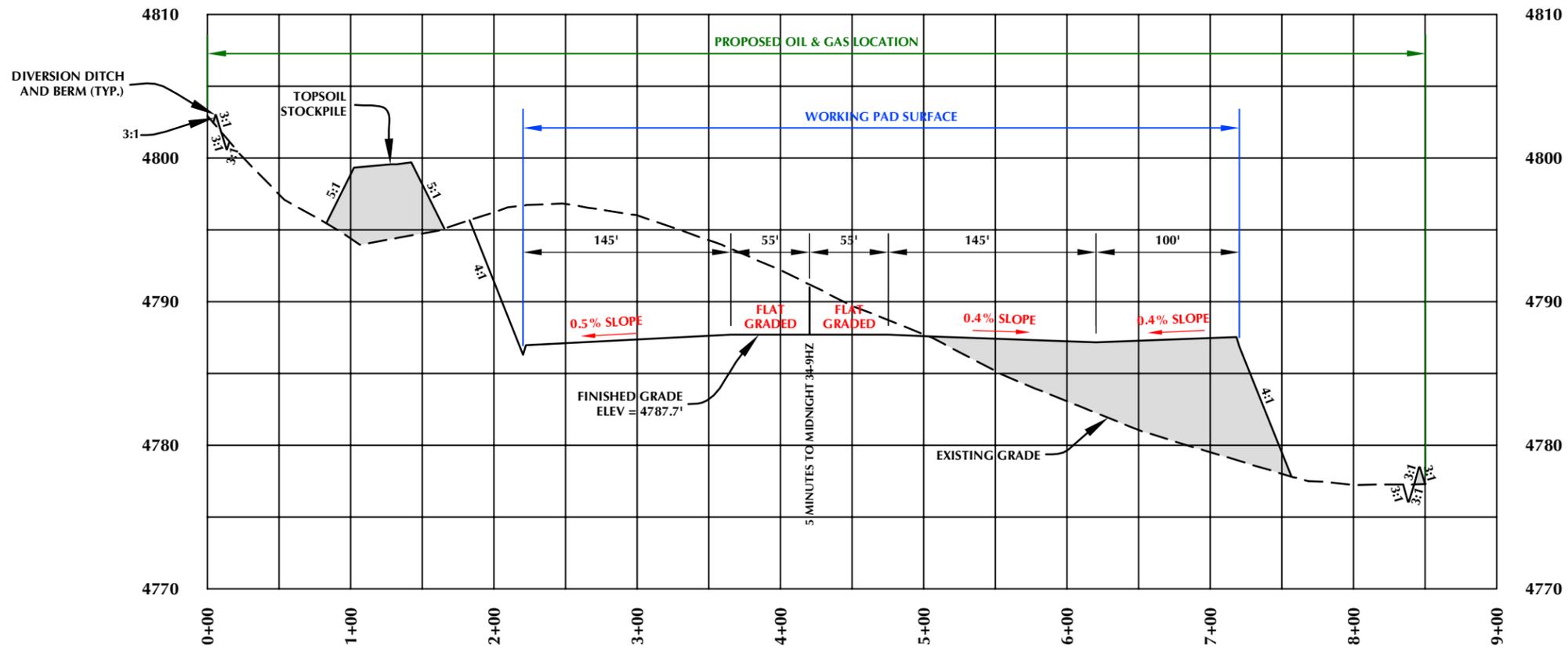
REVISIONS:

SRS
 12/13/23

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CROSS SECTION A-A'



CROSS SECTION B-B'

5 MINUTES TO MIDNIGHT 8-34HZ

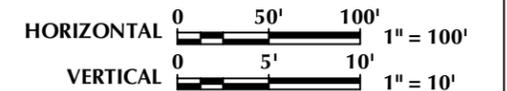
5 MINUTES TO MIDNIGHT 34-1HZ, 5 MINUTES TO MIDNIGHT 34-2HZ,
 5 MINUTES TO MIDNIGHT 34-3HZ, 5 MINUTES TO MIDNIGHT 34-4HZ,
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 5 MINUTES TO MIDNIGHT 34-7HZ, 5 MINUTES TO MIDNIGHT 34-8HZ,
 5 MINUTES TO MIDNIGHT 34-9HZ, 5 MINUTES TO MIDNIGHT 34-10HZ,
 5 MINUTES TO MIDNIGHT 34-11HZ, 5 MINUTES TO MIDNIGHT 34-12HZ,
 5 MINUTES TO MIDNIGHT 34-13HZ, 5 MINUTES TO MIDNIGHT 34-14HZ,
 5 MINUTES TO MIDNIGHT 34-15HZ & 5 MINUTES TO MIDNIGHT 34-16HZ,
 5 MINUTES TO MIDNIGHT 34-17HZ & 5 MINUTES TO MIDNIGHT 34-18HZ
 LOCATED IN SECTION 34, T4N, R63W, 6TH P.M.
 WELD COUNTY, COLORADO

CONSTRUCTION LAYOUT DRAWING - CROSS SECTIONS

**Kerr-McGee Oil &
 Gas Onshore LP**
 1099 18th Street
 Denver, Colorado 80202



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 6706 North Franklin Avenue
 Loveland, Colorado 80538
 Phone 970-776-4331
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SCALE: 1"=100' DATE: 11/20/23 SHEET NO:

REVISED:

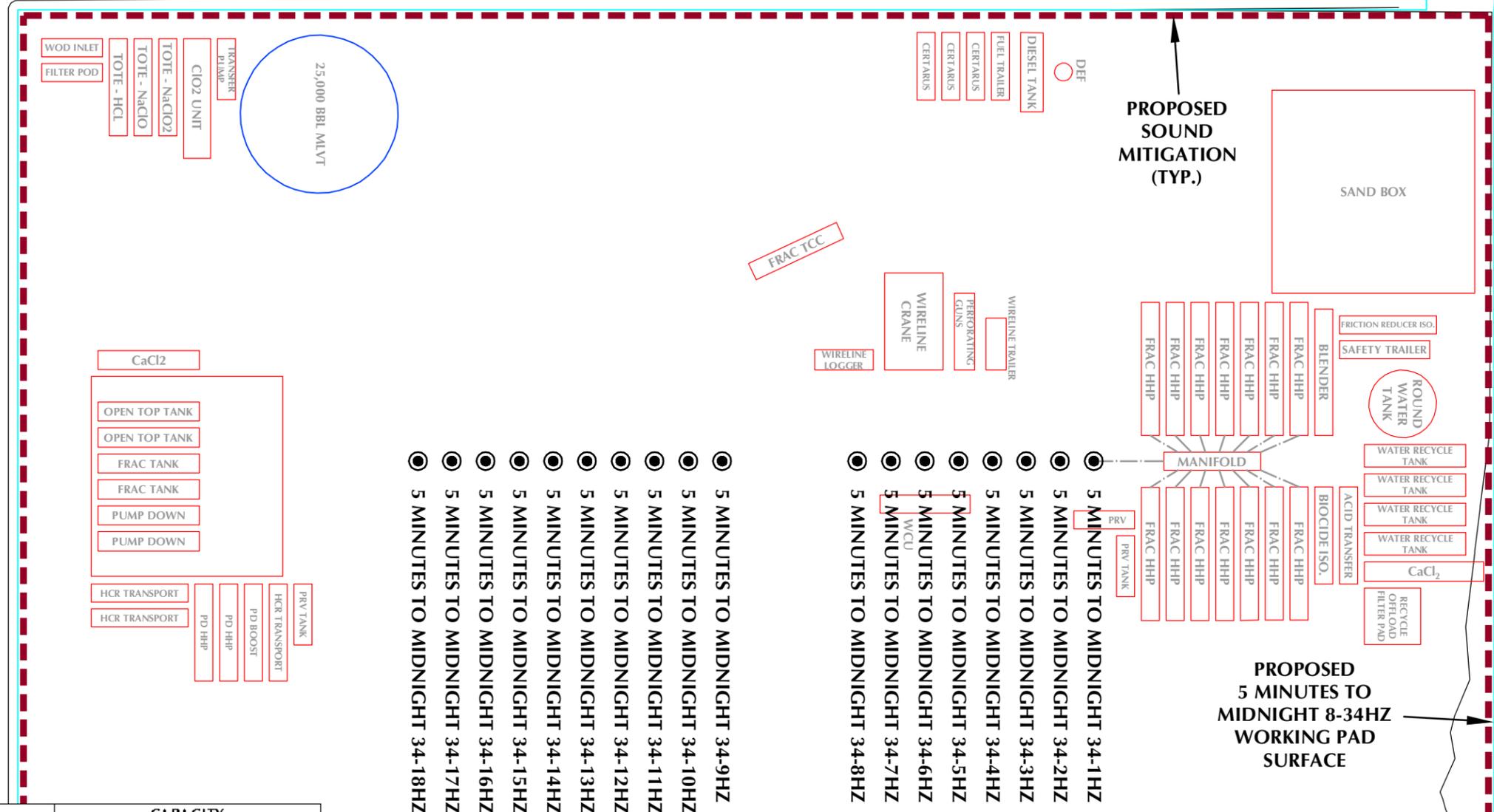
1

1 OF 1

PRELIMINARY WELL COMPLETION AND STIMULATION LAYOUT DRAWING

5 MINUTES TO MIDNIGHT 8-34HZ

NE1/4 SE1/4 & SE1/4 NE1/4 SECTION 34, TOWNSHIP 4 NORTH, RANGE 63 WEST, 6TH P.M., WELD COUNTY, COLORADO



PROPOSED OIL & GAS LOCATION

PROPOSED ACCESS ROAD

- 5 MINUTES TO MIDNIGHT 34-9HZ
- 5 MINUTES TO MIDNIGHT 34-10HZ
- 5 MINUTES TO MIDNIGHT 34-11HZ
- 5 MINUTES TO MIDNIGHT 34-12HZ
- 5 MINUTES TO MIDNIGHT 34-13HZ
- 5 MINUTES TO MIDNIGHT 34-14HZ
- 5 MINUTES TO MIDNIGHT 34-15HZ
- 5 MINUTES TO MIDNIGHT 34-16HZ
- 5 MINUTES TO MIDNIGHT 34-17HZ
- 5 MINUTES TO MIDNIGHT 34-18HZ
- 5 MINUTES TO MIDNIGHT 34-19HZ
- 5 MINUTES TO MIDNIGHT 34-20HZ
- 5 MINUTES TO MIDNIGHT 34-21HZ
- 5 MINUTES TO MIDNIGHT 34-22HZ
- 5 MINUTES TO MIDNIGHT 34-23HZ
- 5 MINUTES TO MIDNIGHT 34-24HZ
- 5 MINUTES TO MIDNIGHT 34-25HZ
- 5 MINUTES TO MIDNIGHT 34-26HZ
- 5 MINUTES TO MIDNIGHT 34-27HZ
- 5 MINUTES TO MIDNIGHT 34-28HZ
- 5 MINUTES TO MIDNIGHT 34-29HZ
- 5 MINUTES TO MIDNIGHT 34-30HZ
- 5 MINUTES TO MIDNIGHT 34-31HZ
- 5 MINUTES TO MIDNIGHT 34-32HZ
- 5 MINUTES TO MIDNIGHT 34-33HZ
- 5 MINUTES TO MIDNIGHT 34-34HZ
- 5 MINUTES TO MIDNIGHT 34-35HZ
- 5 MINUTES TO MIDNIGHT 34-36HZ
- 5 MINUTES TO MIDNIGHT 34-37HZ
- 5 MINUTES TO MIDNIGHT 34-38HZ

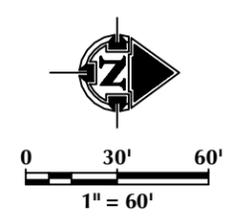
EQUIPMENT	CAPACITY
ACID TRANSPORT	4,000 GAL CAPACITY
HCR SYNTHETIC ACID TRANSPORT	4,000 GAL CAPACITY
FRICTION REDUCER ISO	4,500 GAL CAPACITY
BIOCIDE ISO	6,000 GAL CAPACITY
DEF TANK	2,200 GAL DEF TANK
DIESEL TANK	16,000 GAL DIESEL TANK
ROUND WATER TANK	3,600 BBL CAPACITY
STORAGE TANK (OPEN TOP, CLOSED TOP, WATER)	500 BBL CAPACITY
WATER RECYCLE TANK	500 BBL CAPACITY

SECURITY

OFFICE TRAILER

SECURITY

PROPOSED ACCESS ROAD



LEGEND

- PROPOSED WELL
- EXISTING WELL
- PROPOSED OIL & GAS LOCATION
- PROPOSED WORKING PAD SURFACE
- PROPOSED 2' CONTOUR

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LOVELAND OFFICE
6706 North Franklin Avenue
Loveland, Colorado 80538
Phone 970-776-4331

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

Kerr-McGee Oil & Gas Onshore LP

1099 18th Street
Denver, Colorado 80202

SCALE: 1" = 60'

DATE SURVEYED: 9/27/23

DATE: 11/20/23

DRAFTER: SRS

REVISED:

NOTE:

1. COMPLETION AND STIMULATION LAYOUT IS APPROXIMATE AND SUBJECT TO MODIFICATION DUE TO SPECIFIC CIRCUMSTANCES.

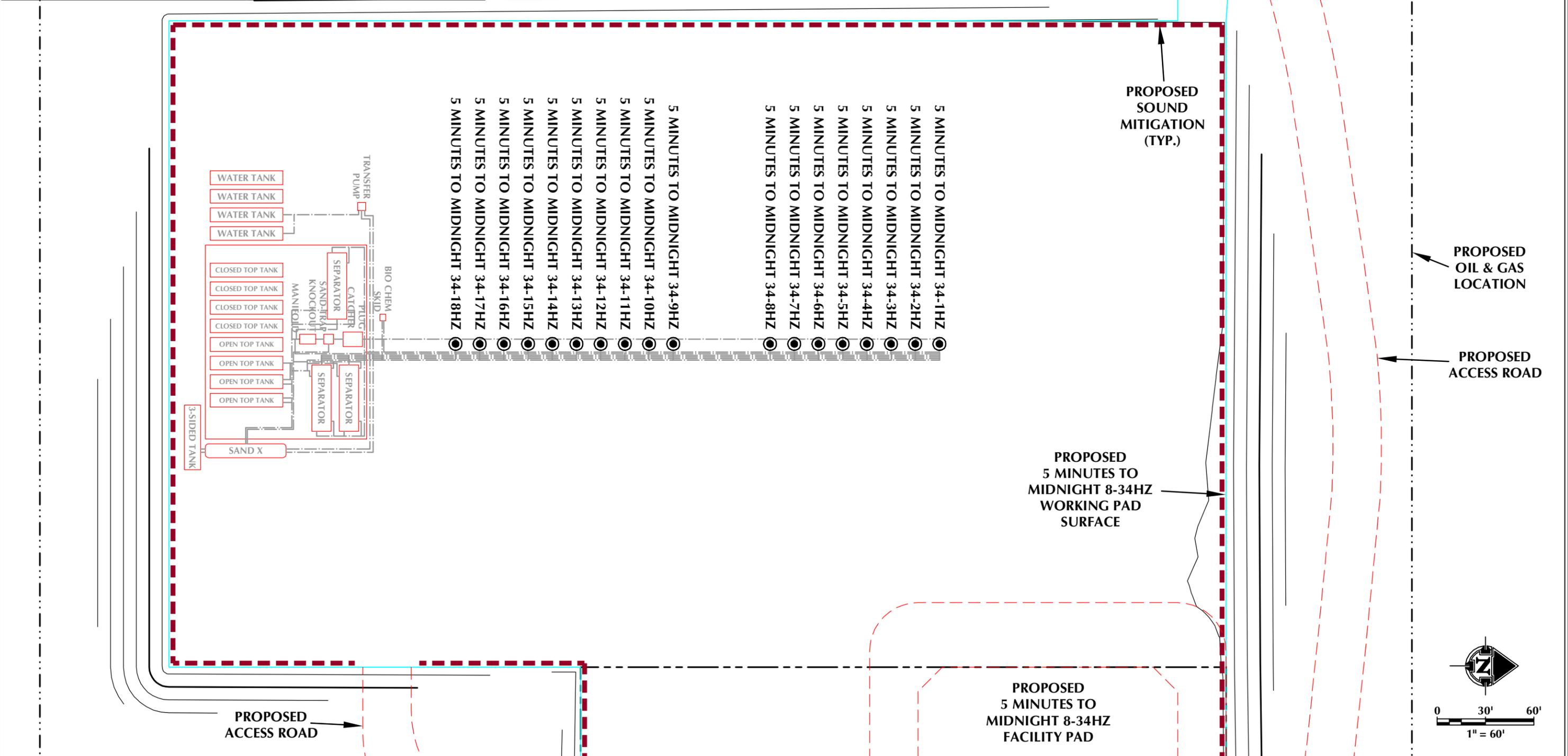
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PRELIMINARY FLOWBACK EQUIPMENT LAYOUT DRAWING

5 MINUTES TO MIDNIGHT 8-34HZ

NE1/4 SE1/4 & SE1/4 NE1/4 SECTION 34, TOWNSHIP 4 NORTH, RANGE 63 WEST, 6TH P.M., WELD COUNTY, COLORADO

EQUIPMENT	CAPACITY
STORAGE TANK (OPEN TOP, CLOSED TOP, WATER)	500 BBL CAPACITY



K:\ANADARKO\2017\197_CERVO_BRANCH_TN_R63W\DWG\4_5 MINUTES TO MIDNIGHT\04_5 MINUTES TO MIDNIGHT.dwg, 11/19/2023 1:54:55 PM, saundberg

LEGEND

- PROPOSED WELL
- EXISTING WELL
- PROPOSED OIL & GAS LOCATION
- PROPOSED WORKING PAD SURFACE
- PROPOSED 2' CONTOUR
- PROPOSED PIPELINE

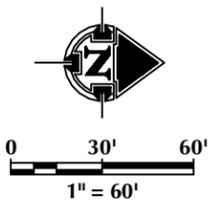
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Phone 970-776-4331

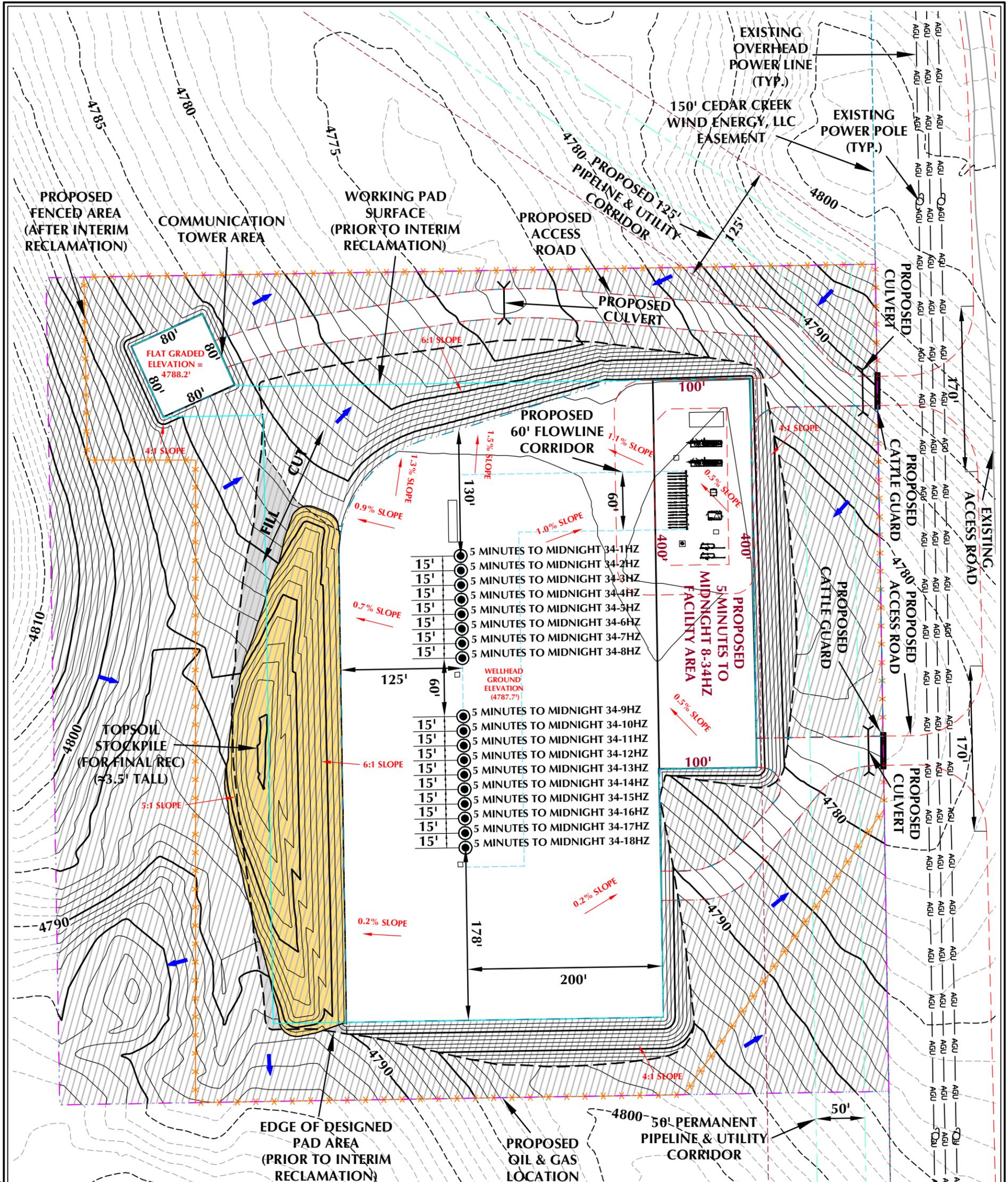
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Denver, Colorado 80202

SCALE:	1" = 60'
DATE SURVEYED:	9/27/23
DATE:	11/20/23
DRAFTER:	SRS
REVISED:	

NOTE:
-WELLHEADS WILL REMAIN PERMANENTLY AFTER FLOWBACK IS COMPLETE. ALL OTHER EQUIPMENT DISPLAYED IS TEMPORARY AND WILL BE REMOVED FOLLOWING FLOWBACK OPERATIONS.





- NOTES:**
1. AT THE TIME OF FILING THIS APPLICATION, PIPELINE AND UTILITY CORRIDORS WILL DISTURB APPROXIMATELY 135.83 ACRES FOR DEVELOPMENT OF THE NINE LOCATIONS INCLUDED IN THIS PROPOSED FILLY OGD AND COLT OGD IN THE BRONCO CAP. THE ENTIRE PIPELINE AND UTILITY CORRIDORS MUST BE CONSTRUCTED TO SUPPORT PRODUCTION FROM THIS OGD.
 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. RECLAIMED AREA WILL BE RE-SEEDED AND RE-VEGETATED DURING INTERIM RECLAMATION.

5 MINUTES TO MIDNIGHT 8-34HZ FACILITY LAYOUT DRAWING

QUANTITIES AND DESIGN PARAMETERS

SHRINKAGE FACTOR = 1.00
 SWELL FACTOR = 1.00
 PROPOSED OIL & GAS LOCATION = 16.60 ACRES
 AREA RECLAIMED DURING INTERIM RECLAMATION = 10.15 ACRES
 TOTAL PAD AREA AFTER INTERIM RECLAMATION = 6.45 ACRES
 TOTAL FENCED AREA AFTER INTERIM RECLAMATION = 13.53 ACRES

PAD QUANTITIES

TOTAL CUT = 10,585 C.Y.
 TOTAL FILL = 10,585 C.Y.
 TOTAL TOPSOIL @ 6" DEPTH FROM CONSTRUCTION PHASE = 6,947 C.Y.
 TOPSOIL USED FOR INTERIM REC = 1,748 C.Y.
 TOPSOIL STORED FOR FINAL REC = 5,199 C.Y.

LAND USE: RANGELAND

LEGEND

- EXISTING WELL LOCATION
- PROPOSED WELL LOCATION
- - - EXISTING CONTOURS (1' INTERVAL)
- - - PROPOSED CONTOURS (1' INTERVAL)
- EPL - EXISTING PIPELINE
- - - PROPOSED FLOWLINE
- * * * EXISTING FENCE
- RECLAMATION AREA
- ▶ PLANNED FLOW DIRECTION
- WORKING PAD SURFACE (WPS)

SCALE: 1"=100'

DATE: 11/20/23

SHEET NO: 1 OF 2

REVISIONS: SRS 12/13/23

K:\AMDRK02017\2017_197_CERVL_BRANCH_1963WDOG\5_MINUTES TO MIDNIGHT\5_MINUTES TO MIDNIGHT\5_MINUTES TO MIDNIGHT.dwg, 12/13/2023 10:56:52 AM, srsrbg

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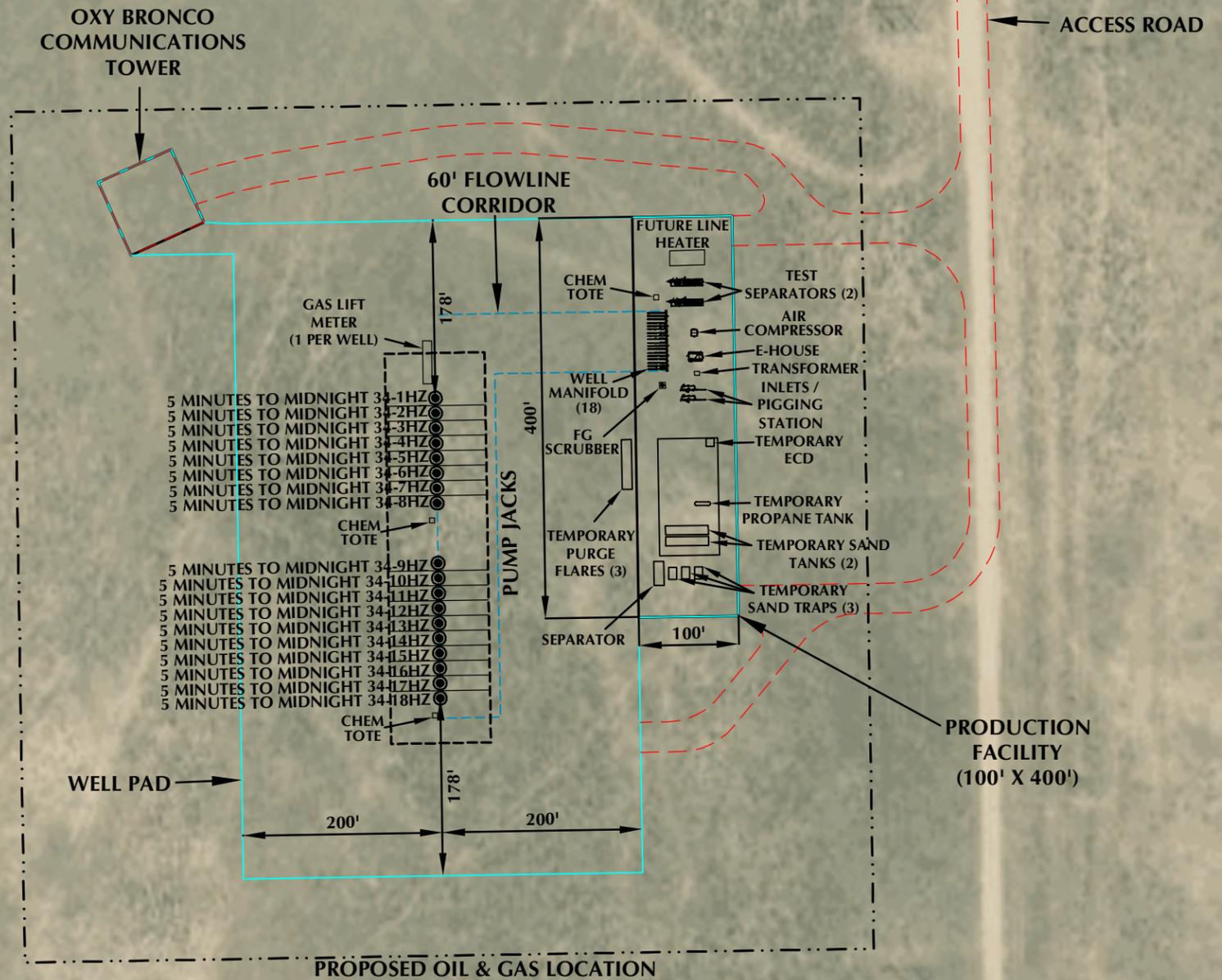
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DISTANCE FROM WORKING PAD SURFACE TO:

BUILDING	±2096' N
RESIDENTIAL BUILDING UNIT (RBU)	5280'+ NE
HIGH OCCUPANCY BUILDING UNIT (HOBU)	5280'+ SE
DESIGNATED OUTSIDE ACTIVITY AREA	5280'+ SW
PUBLIC ROAD	5280'+ N
ABOVE GROUND UTILITY	±187' E
RAILROAD	5280'+ N
PROPERTY LINE	±378' E
SCHOOL FACILITY	5280'+ NW
CHILD CARE CENTER	5280'+ NW
DISPROPORTIONATELY IMPACTED (DI) COMMUNITY	±0'
RBU, HOBU, OR SCHOOL FACILITY WITHIN A DI COMMUNITY	5280'+ NE

DISTANCE FROM NEAREST WELL TO:

TEST SEPARATOR	±253' NE
TEMPORARY SAND TANK	±229' E
TEMPORARY ECD	±270' E
TEMPORARY PURGE FLARE	±185' E
WORKING PAD SURFACE	±178' N



LEGEND:

	PROPOSED WELL		PROPOSED OIL & GAS LOCATION
	ROAD PROPOSED		PROPOSED FLOWLINE CORRIDOR
	WORKING PAD SURFACE		



NOTES:

- EQUIPMENT PLACEMENT IS APPROXIMATE AND SUBJECT TO MINOR MODIFICATION DUE TO SPECIFIC CIRCUMSTANCES.
- FLOWLINE CORRIDOR IS APPROXIMATE AND SUBJECT TO MINOR MODIFICATION DUE TO SPECIFIC CIRCUMSTANCES.

FACILITY COORDINATES:
 LAT: 40.269049° LONG: -104.416128° (NAD83)

DATA SOURCES:
 - AERIAL COURTESY OF NAIP.

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 LOVELAND OFFICE
 6706 North Franklin Avenue
 Loveland, Colorado 80538
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 1095 Saberton Avenue
 Sheridan, Wyoming 82801
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 Denver, Colorado 80202

SCALE: 1" = 150'
DATE SURVEYED: 9/27/23
DATE: 11/20/23
DRAFTER: AMPZ
REVISED: 12/13/23

FACILITY LAYOUT DRAWING
 5 MINUTES TO MIDNIGHT 8-34HZ
 LOCATED IN SECTION 34, T4N, R63W, 6TH P.M.
 WELD COUNTY, COLORADO

K:\AMARCO\2017\197_CERVL_RANCH_T4N_R63W\DWG\4_5 MINUTES TO MIDNIGHT\4_5 MINUTES TO MIDNIGHT.dwg, 12/13/2023 11:36:23 AM, ssundberg