

**FACILITY PAD - VISTA 13-16HZ  
FACILITY DESIGN SUMMARY**

**PAD QUANTITIES AND DESIGN PARAMETERS**

CUT SLOPES = 5:1  
 FILL SLOPES = 5:1  
 SHRINKAGE FACTOR = 1.10  
 SWELL FACTOR = 1.00  
 GRADED FACILITY PAD AREA = 1.74 ACRES  
 TOTAL FACILITY PAD AREA = 2.70 ACRES

**FACILITY PAD QUANTITIES**

TOTAL CUT FOR FACILITY PAD = 6,363 C.Y.  
 TOTAL FILL FOR FACILITY PAD = 7,986 C.Y.  
 TOPSOIL @ 8" DEPTH = 2,898 C.Y.  
 IMPORT MATERIAL = 1,623 C.Y.

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

**TEMPORARY EQUIPMENT PAD -  
VISTA 13-16HZ DESIGN SUMMARY**

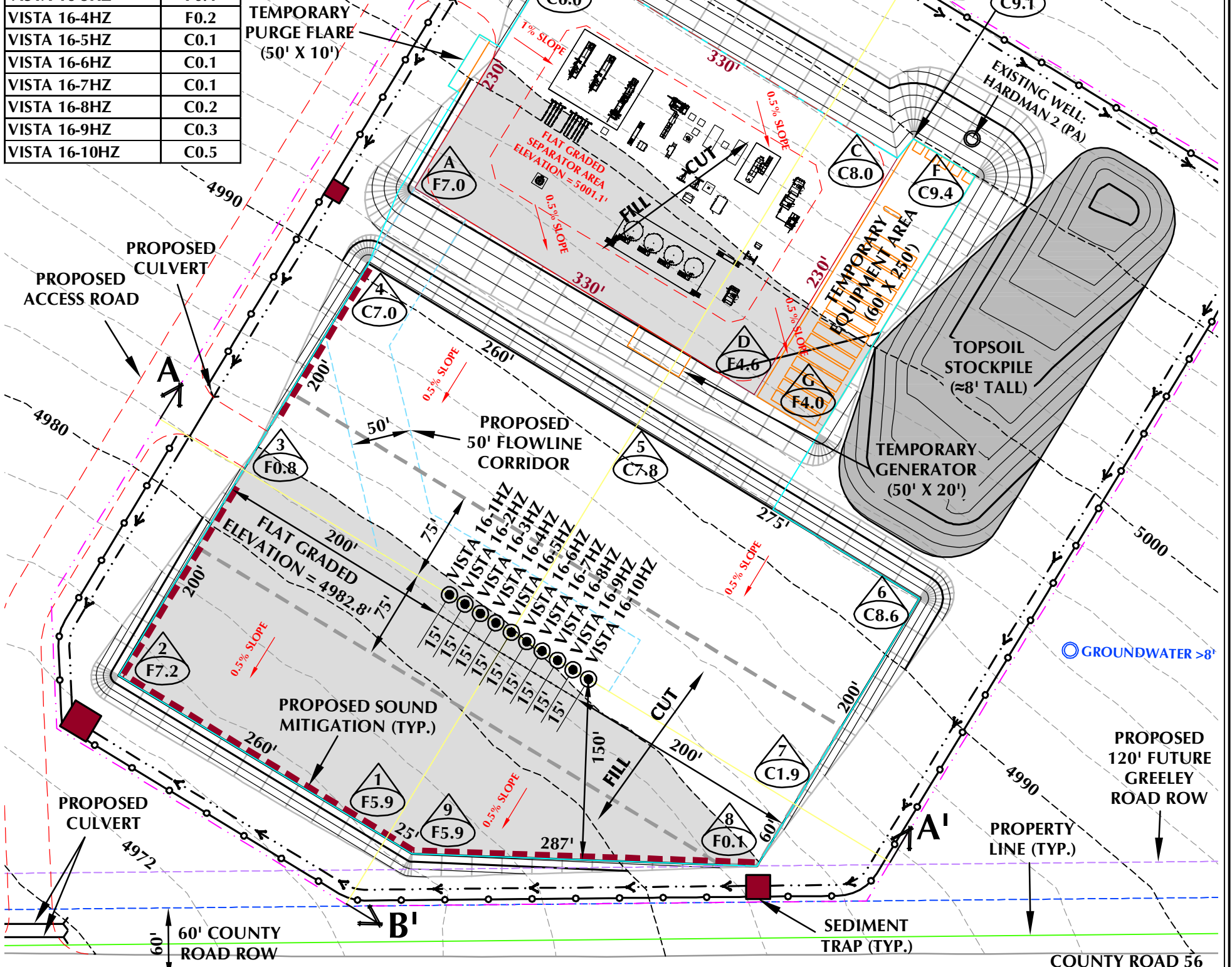
**PAD QUANTITIES AND DESIGN PARAMETERS**

CUT SLOPES = 5:1  
 FILL SLOPES = 5:1  
 SHRINKAGE FACTOR = 1.10  
 SWELL FACTOR = 1.00  
 GRADED PAD AREA = 0.34 ACRES  
 TOTAL PAD AREA = 0.55 ACRES

**TEMPORARY EQUIPMENT PAD QUANTITIES**

TOTAL CUT FOR PAD = 2,438 C.Y.  
 TOTAL FILL FOR PAD = 815 C.Y.  
 TOPSOIL @ 8" DEPTH = 594 C.Y.  
 EXCESS MATERIAL = 1,623 C.Y.

WELL NAME:	C/F
VISTA 16-1HZ	F0.3
VISTA 16-2HZ	F0.2
VISTA 16-3HZ	F0.4
VISTA 16-4HZ	F0.2
VISTA 16-5HZ	C0.1
VISTA 16-6HZ	C0.1
VISTA 16-7HZ	C0.1
VISTA 16-8HZ	C0.2
VISTA 16-9HZ	C0.3
VISTA 16-10HZ	C0.5



- NOTES:
1. PIPELINE AND UTILITY CORRIDORS ARE PLANNED AND DETERMINED BY THIRD PARTY COMPANIES. SPECIFIC PIPELINE AND UTILITY CORRIDOR LOCATIONS WILL BE DECIDED BY THOSE THIRD PARTY COMPANIES CLOSER TO THE START DATE OF OPERATIONS BASED ON CONTRACT AND RIGHT-OF-WAY NEGOTIATIONS.
  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 ENTIRE 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 VISTA 16-5HZ WELL.
  5. FLAT GRADED AREA TO BE RECLAIMED DURING INTERIM RECLAMATION.

**VISTA 13-16HZ CONSTRUCTION LAYOUT DRAWING - PLAN VIEW**

**WELL PAD QUANTITIES AND DESIGN PARAMETERS**

EXISTING GRADE @ CENTER OF WELL PAD = 4982.7'  
 FINISHED GRADE ELEVATION = 4982.8'  
 CUT SLOPES = 3:1  
 FILL SLOPES = 3:1  
 SHRINKAGE FACTOR = 1.10  
 SWELL FACTOR = 1.00  
 GRADED WELL PAD SURFACE AREA = 4.51 ACRES  
 TOTAL WELL PAD AREA = 5.28 ACRES  
 PROPOSED OIL & GAS LOCATION = 13.67 ACRES

**WELL PAD QUANTITIES**

TOTAL CUT FOR WELL PAD = 15,528 C.Y.  
 TOTAL FILL FOR WELL PAD = 15,528 C.Y.  
 TOPSOIL @ 8" DEPTH = 5,676 C.Y.  
 IMPORT MATERIAL = 0 C.Y.  
 TOTAL DISTURBANCE AREA  
 OIL & GAS LOCATION = 13.67 ACRES  
 WORKING PAD SURFACE = 7.33 ACRES  
 ACCESS ROAD = 0.90 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
- - - PROPOSED FLOWLINE
- - - EXISTING FENCE
- - - WORKING PAD SURFACE (WPS)
- - - PROPOSED SOUND MITIGATION
- - - DIVERSION DITCH
- - - BERM

**SCALE:** 1"=100'  
**DATE:** 12/7/22  
**SHEET NO:** 1 OF 1

VISTA 13-16HZ  
 CONSTRUCTION LAYOUT DRAWING - PLAN VIEW  
 VISTA 16-1HZ, VISTA 16-2HZ, VISTA 16-3HZ, VISTA 16-4HZ, VISTA 16-5HZ, VISTA 16-6HZ, VISTA 16-7HZ, VISTA 16-8HZ, VISTA 16-9HZ & VISTA 16-10HZ  
 LOCATED IN SECTION 16, T5N, R67W, 6TH P.M. GREELEY, COLORADO

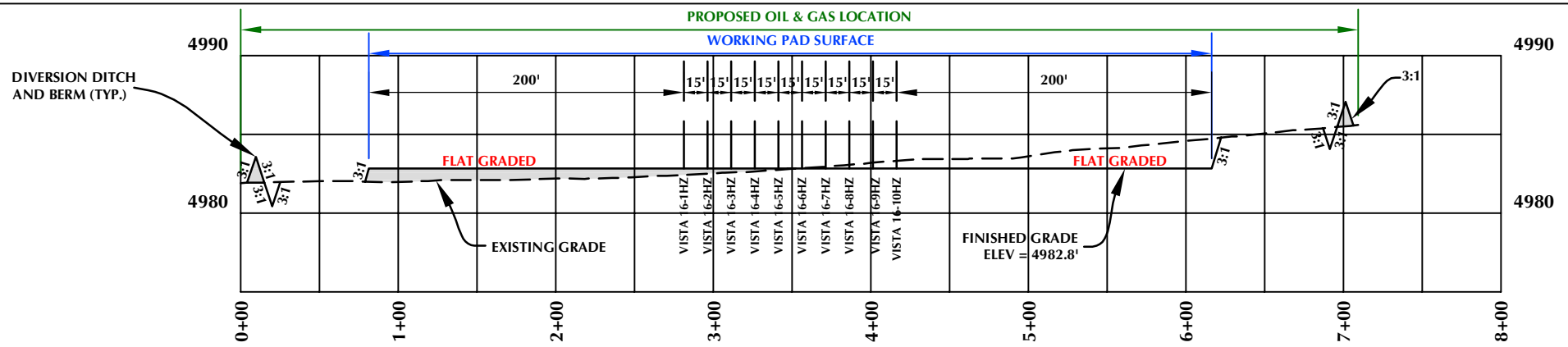
**Kerr-McGee Oil & Gas Onshore LP**  
 1099 18th Street  
 Denver, Colorado 80202

**609 CONSULTING, LLC**  
 LOVELAND OFFICE  
 6706 North Franklin Avenue  
 Loveland, Colorado 80538  
 Phone 970-776-4331  
 SHERIDAN OFFICE  
 1095 Saberton Avenue  
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 Phone 307-674-0609

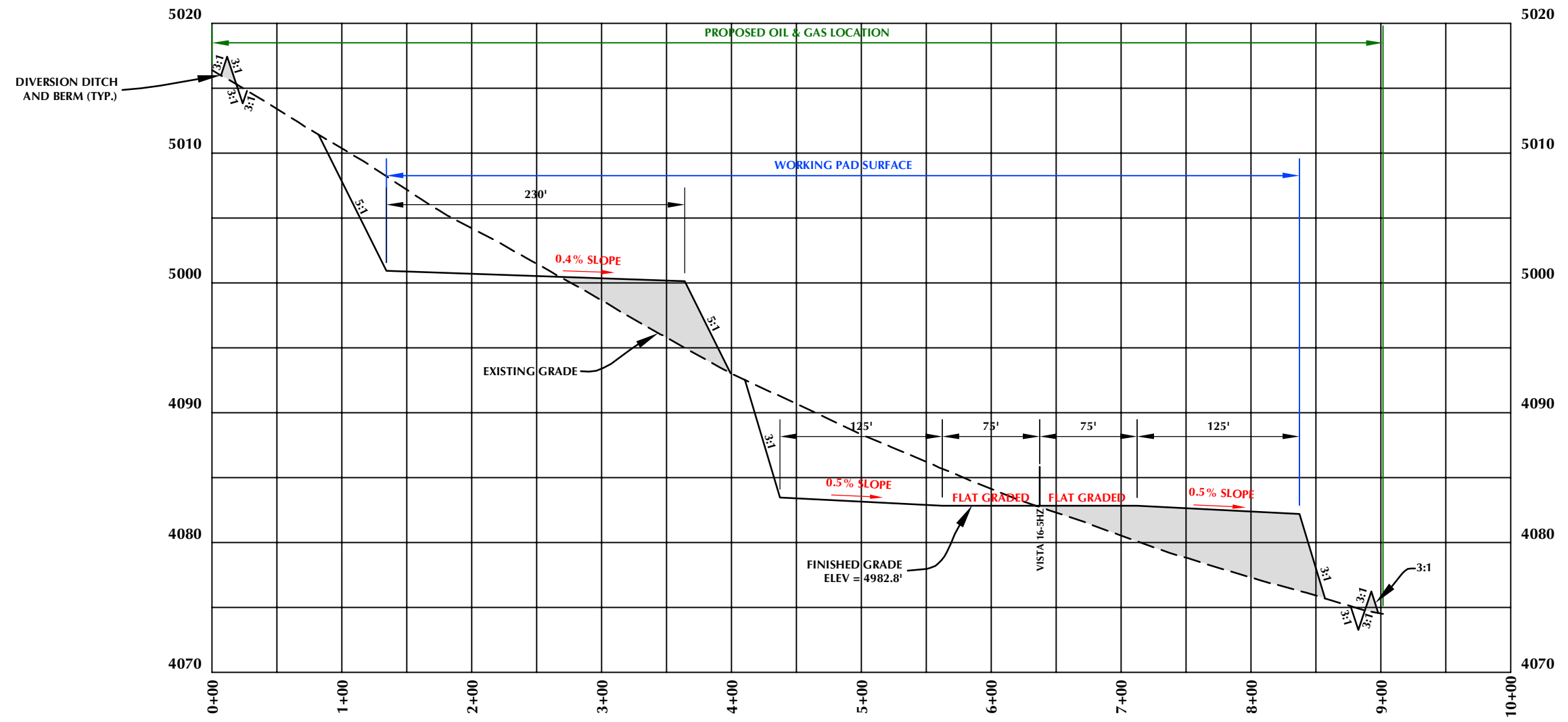
FACILITY REVISION: VISTA-PP-2020 REV E

SCALE: 1"=100' DATE: 12/7/22 SHEET NO: 1 OF 1  
 REVISED: SRS 1/16/23

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**CROSS SECTION A-A'**



**CROSS SECTION B-B'**

**VISTA 13-16HZ**

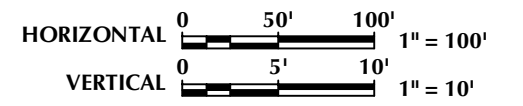
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VISTA 16-2HZ, VISTA 16-3HZ, VISTA 16-4HZ,  
VISTA 16-5HZ, VISTA 16-6HZ, VISTA 16-7HZ,  
VISTA 16-8HZ, VISTA 16-9HZ & VISTA 16-10HZ  
LOCATED IN SECTION 16, T5N, R67W, 6TH P.M.  
GREELEY, COLORADO

**CONSTRUCTION LAYOUT DRAWING - CROSS SECTIONS**

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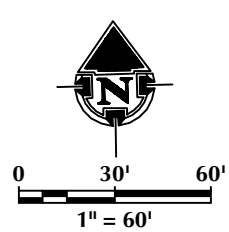
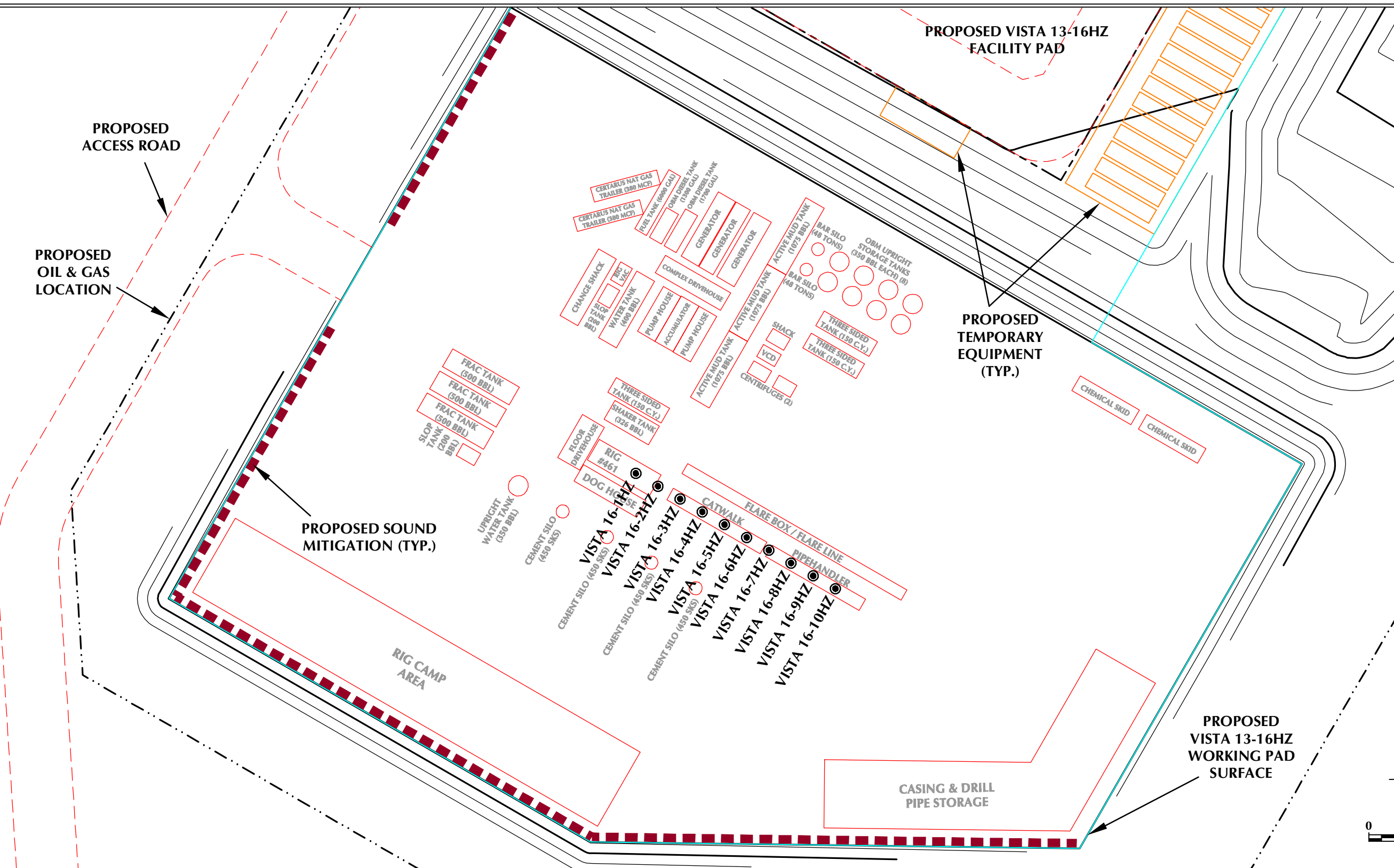
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PRELIMINARY RIG LAYOUT DRAWING

VISTA 13-16HZ

S1/2 SW1/4 SECTION 16, TOWNSHIP 5 NORTH, RANGE 67 WEST, 6TH P.M., GREELEY, COLORADO



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**LEGEND**

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



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DATE SURVEYED:	11/21/22
DATE:	12/7/22
DRAFTER:	HJL
REVISED:	1/16/23

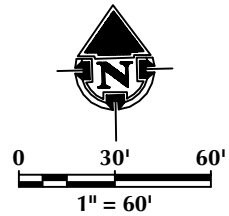
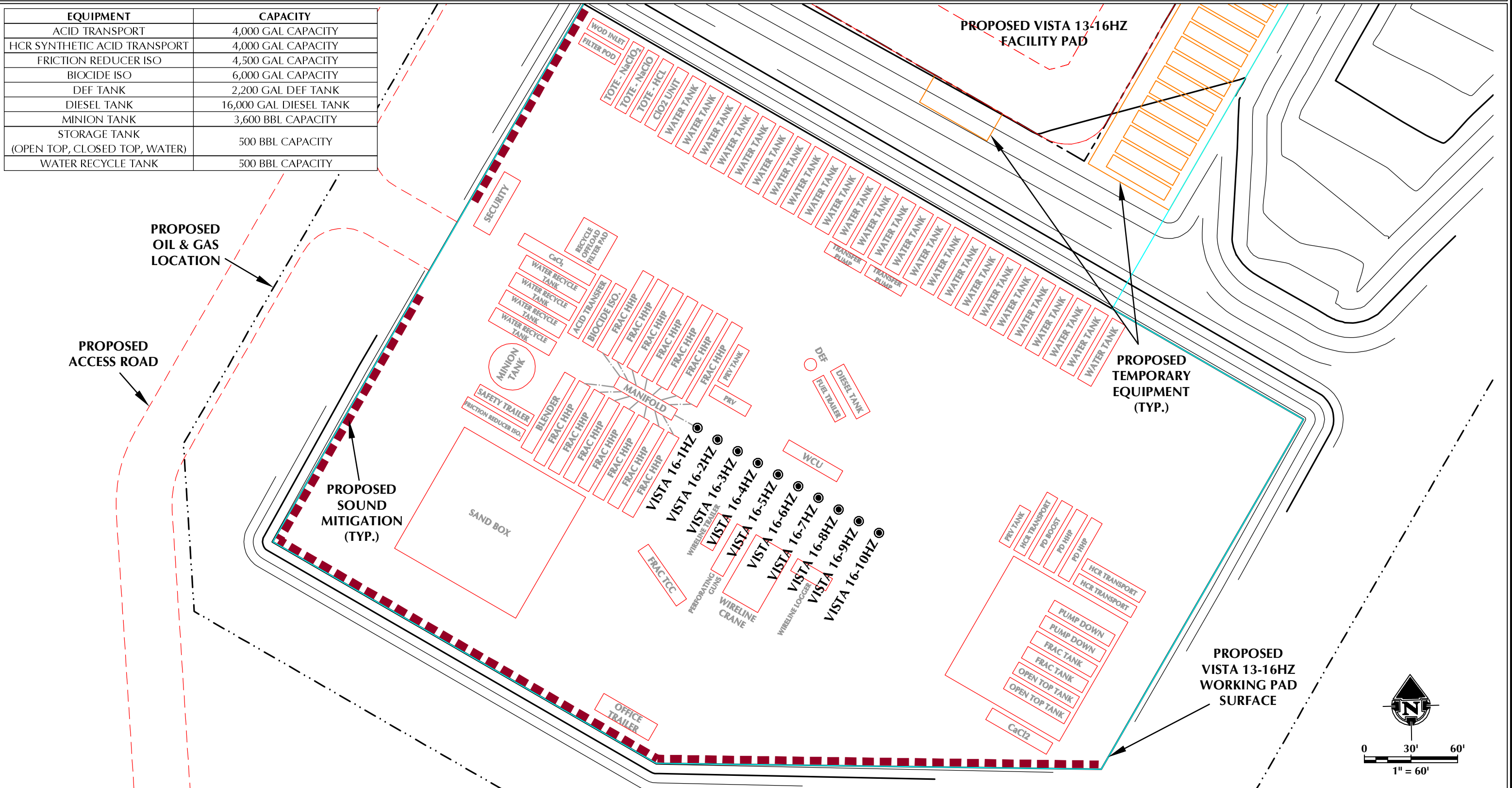
**NOTE:**  
1. RIG PROFILE IS APPROXIMATE AND SUBJECT TO MODIFICATION DUE TO SPECIFIC CIRCUMSTANCES.

PRELIMINARY WELL COMPLETION AND STIMULATION LAYOUT DRAWING

VISTA 13-16HZ

S1/2 SW1/4 SECTION 16, TOWNSHIP 5 NORTH, RANGE 67 WEST, 6TH P.M., GREELEY, COLORADO

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
MINION TANK	3,600 BBL CAPACITY
STORAGE TANK (OPEN TOP, CLOSED TOP, WATER)	500 BBL CAPACITY
WATER RECYCLE TANK	500 BBL CAPACITY



**LEGEND**

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

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DATE SURVEYED:	11/21/22
DATE:	12/7/22
DRAFTER:	HJL
REVISED:	1/16/23

**NOTE:**

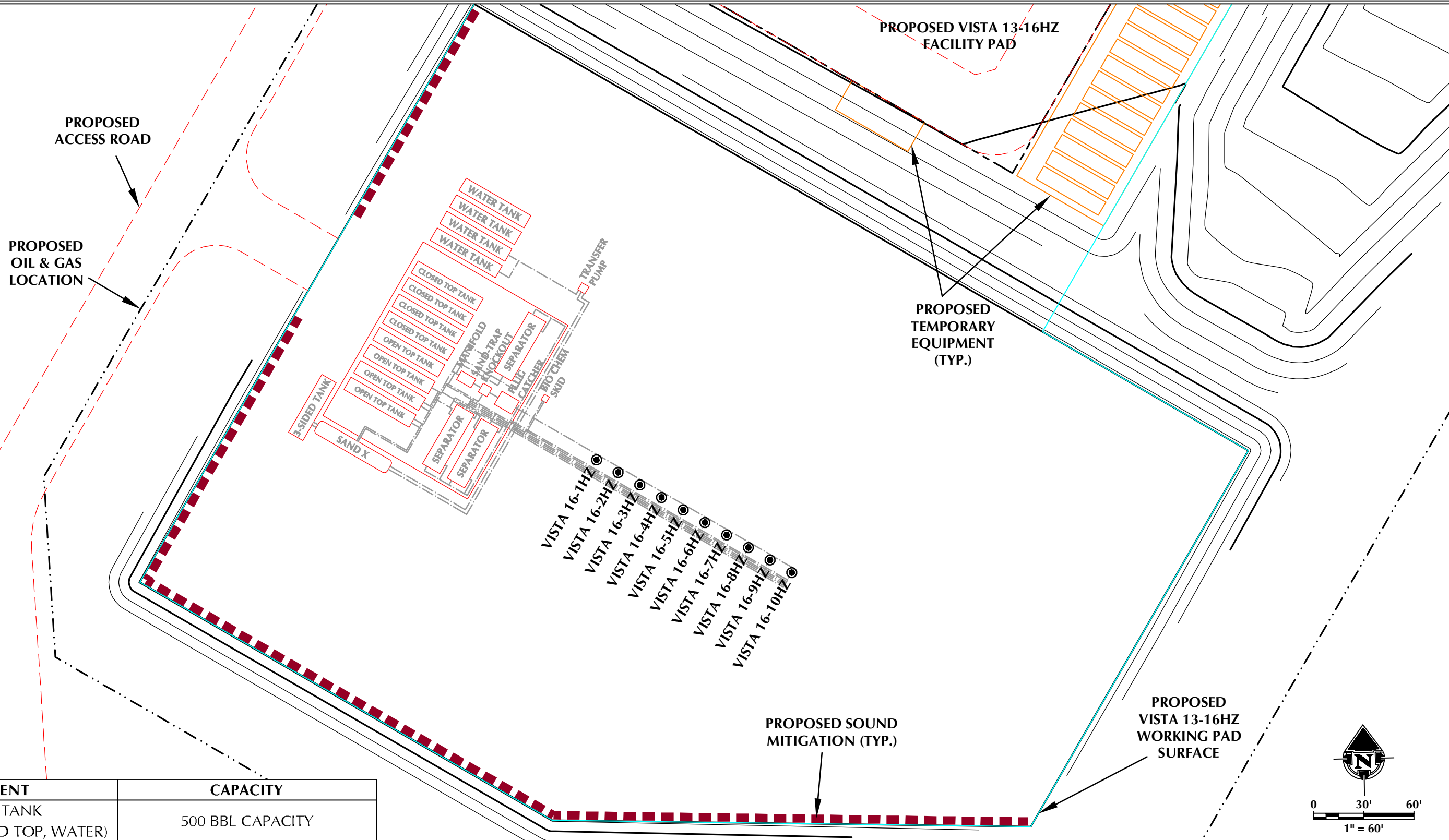
1. COMPLETION AND STIMULATION LAYOUT IS APPROXIMATE AND SUBJECT TO MODIFICATION DUE TO SPECIFIC CIRCUMSTANCES.

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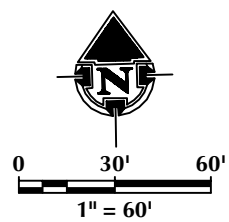
PRELIMINARY FLOWBACK EQUIPMENT LAYOUT DRAWING

VISTA 13-16HZ

S1/2 SW1/4 SECTION 16, TOWNSHIP 5 NORTH, RANGE 67 WEST, 6TH P.M., GREELEY, COLORADO



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



**LEGEND**

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

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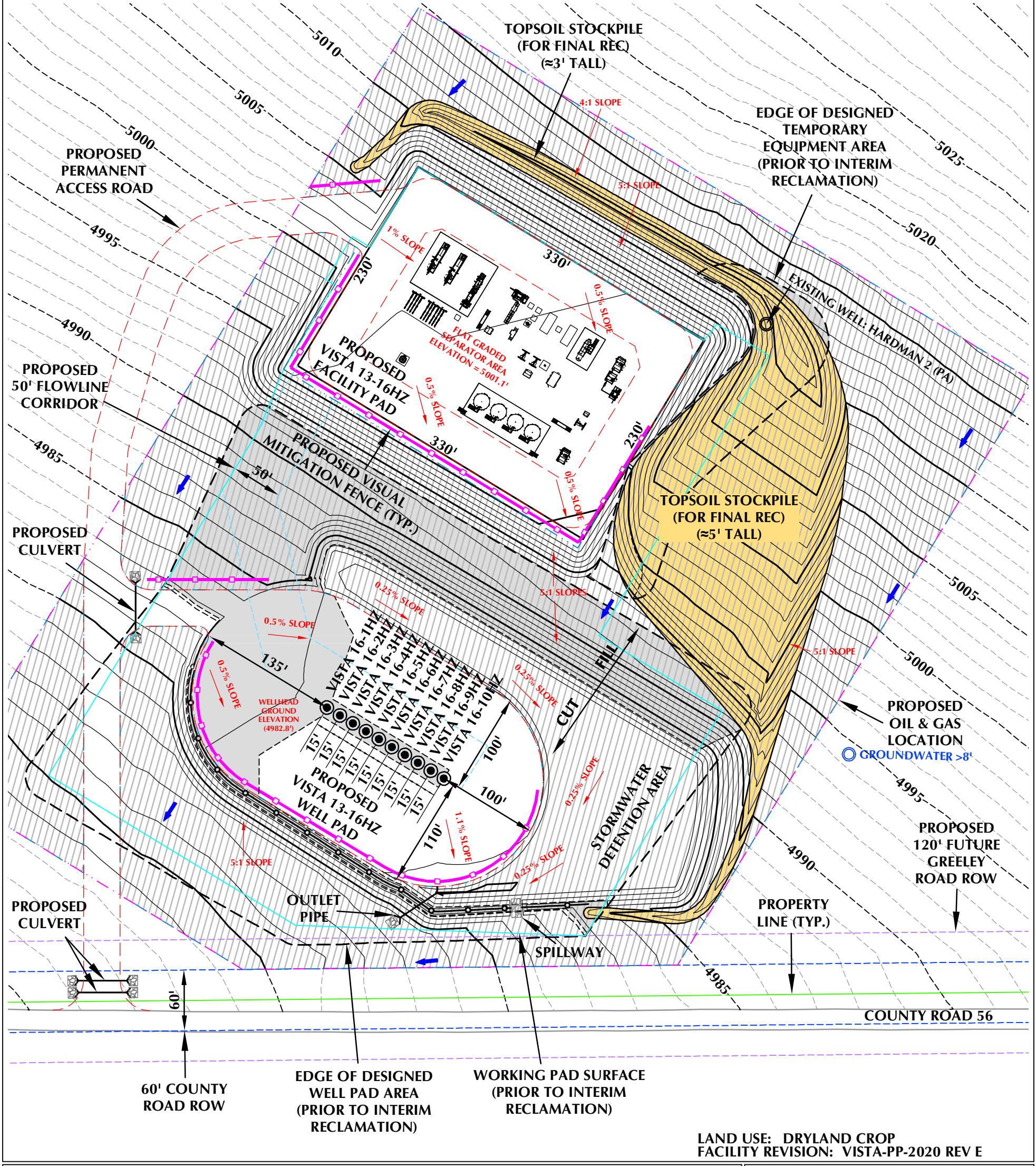
DATE SURVEYED:	11/21/22
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REVISED:	1/16/23

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

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**NOTES:**

1. PIPELINE AND UTILITY CORRIDORS ARE PLANNED AND DETERMINED BY THIRD PARTY COMPANIES. SPECIFIC PIPELINE AND UTILITY CORRIDOR LOCATIONS WILL BE DECIDED BY THOSE THIRD PARTY COMPANIES CLOSER TO THE START DATE OF OPERATIONS BASED ON CONTRACT AND RIGHT-OF-WAY NEGOTIATIONS.
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. THE 5' TALL TOPSOIL BERM IS TO BE CONSTRUCTED UTILIZING ±6,200 C.Y. OF BASE MATERIAL AT APPROXIMATELY 3' OF HEIGHT AND COVERED WITH ±4,103 C.Y. OF TOPSOIL TO REACH THE EFFECTIVE 5' TALL TOPSOIL STOCKPILE HEIGHT.
4. RECLAIMED AREA WILL BE RE-SEEDING AND RE-VEGETATED DURING INTERIM RECLAMATION.



LAND USE: DRYLAND CROP  
 FACILITY REVISION: VISTA-PP-2020 REV E

**VISTA 13-16HZ FACILITY LAYOUT DRAWING**

**QUANTITIES AND DESIGN PARAMETERS**

SHRINKAGE FACTOR = 1.00  
 SWELL FACTOR = 1.00  
 PROPOSED OIL & GAS LOCATION = 13.67 ACRES  
 AREA RECLAIMED DURING INTERIM RECLAMATION = 9.86 ACRES  
 TOTAL WELL PAD AREA AFTER INTERIM RECLAMATION = 1.90 ACRES  
 TOTAL FACILITY PAD AREA AFTER INTERIM RECLAMATION = 1.91 ACRES

**PAD QUANTITIES**

TOTAL CUT = 13,764 C.Y.  
 TOTAL FILL = 13,764 C.Y.  
 TOPSOIL @ 8" DEPTH FROM WELL PAD = 5,676 C.Y.  
 TOPSOIL @ 8" DEPTH FROM FACILITY/TEMP TANK PAD = 3,492 C.Y.  
 TOTAL TOPSOIL = 9,168 C.Y.  
 TOPSOIL USED FOR INTERIM REC = 5,065 C.Y.  
 TOPSOIL STORED FOR FINAL REC = 4,103 C.Y.  
 TOTAL EXPORT = 0 C.Y.

**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)
- - - BERM

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**HORIZONTAL SCALE: 1" = 100'**

**1' CONTOURS**

SCALE: 1"=100' DATE: 12/7/22 SHEET NO: 1 OF 2

REVISED: SRS 1/16/23

**VISTA 13-16HZ**

FACILITY LAYOUT DRAWING  
 VISTA 16-1HZ,  
 VISTA 16-2HZ, VISTA 16-3HZ, VISTA 16-4HZ,  
 VISTA 16-5HZ, VISTA 16-6HZ, VISTA 16-7HZ,  
 VISTA 16-8HZ, VISTA 16-9HZ & VISTA 16-10HZ  
 LOCATED IN SECTION 16, T5N, R67W, 6TH P.M.  
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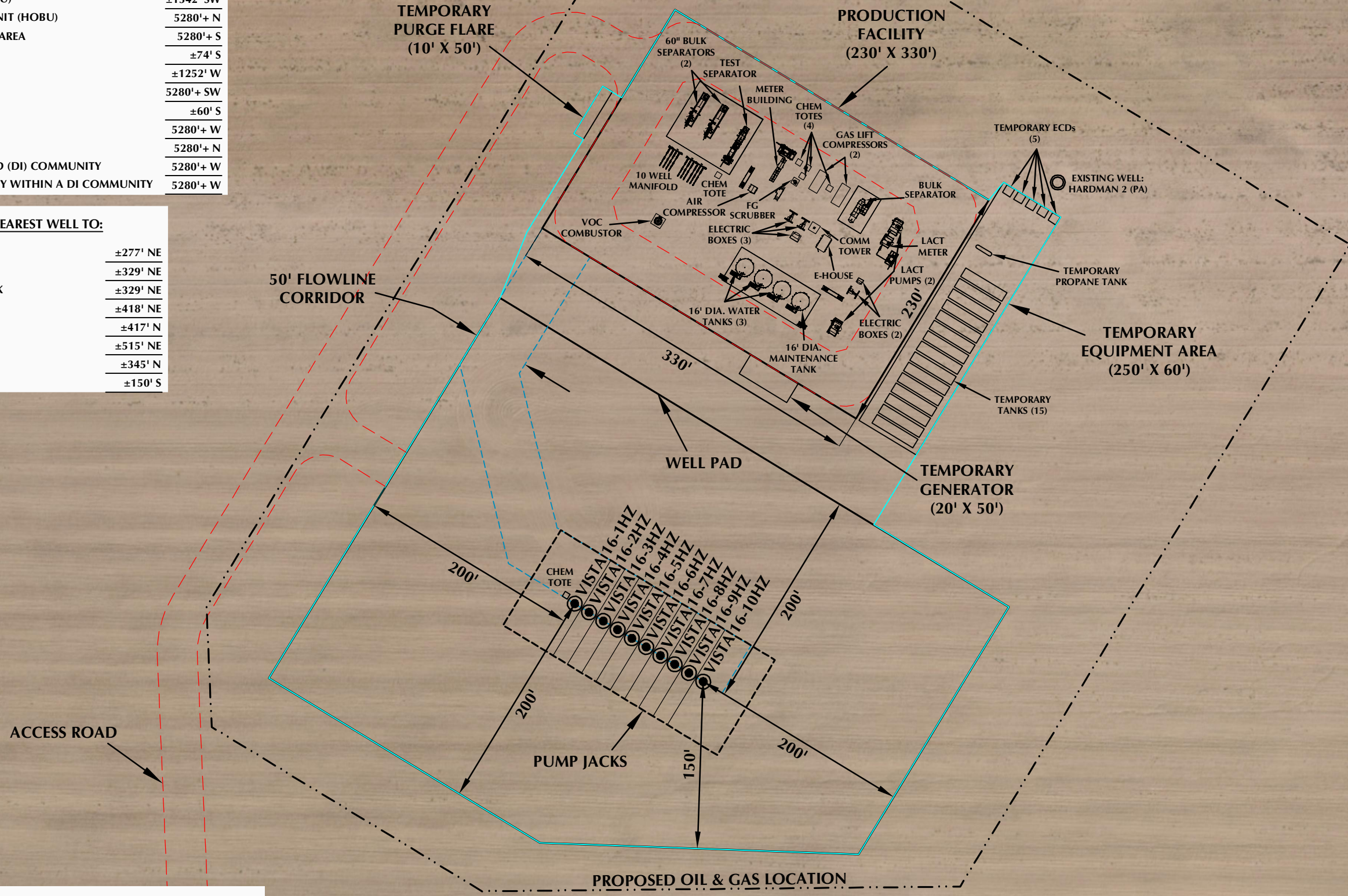
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**DISTANCE FROM WORKING PAD SURFACE TO:**

BUILDING	±1426' SW
RESIDENTIAL BUILDING UNIT (RBU)	±1542' SW
HIGH OCCUPANCY BUILDING UNIT (HOBU)	5280'+ N
DESIGNATED OUTSIDE ACTIVITY AREA	5280'+ S
PUBLIC ROAD	±74' S
ABOVE GROUND UTILITY	±1252' W
RAILROAD	5280'+ SW
PROPERTY LINE	±60' S
SCHOOL FACILITY	5280'+ W
CHILD CARE CENTER	5280'+ N
DISPROPORTIONATELY IMPACTED (DI) COMMUNITY	5280'+ W
RBU, HOBU, OR SCHOOL FACILITY WITHIN A DI COMMUNITY	5280'+ W

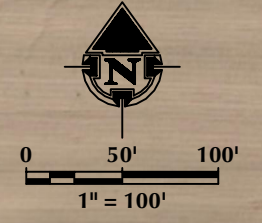
**DISTANCE FROM NEAREST WELL TO:**

TEMPORARY WATER TANK	±277' NE
PERMANENT WATER TANK	±329' NE
PERMANENT MAINTENANCE TANK	±329' NE
SEPARATOR	±418' NE
TEMPORARY PURGE FLARE	±417' N
TEMPORARY ECD	±515' NE
VOC COMBUSTOR	±345' N
WORKING PAD SURFACE	±150' S



**LEGEND:**

	EXISTING WELL		PROPOSED OIL & GAS LOCATION
	PROPOSED WELL		PROPOSED FLOWLINE CORRIDOR
	ROAD PROPOSED		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: 40.394146° LONG: -104.901269° (NAD83)

**DATA SOURCES:**  
 - AERIAL COURTESY OF NEARMAP

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**REVISED:** 1/16/23

**FACILITY LAYOUT DRAWING**  
 VISTA 13-16HZ  
 LOCATED IN SECTION 16, T5N, R67W, 6TH P.M.  
 GREELEY, COLORADO

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