

FREMONT ENVIRONMENTAL INC.

June 20, 2024

Mr. Daniel Peterson
Noble Energy Inc.
2115 117th Avenue
Greeley, CO 80634

Subject: **Flowline Closure Data Submittal**
Lower Latham PC G 01-32D
API # 05-123-33909
SENE Sec. 2, T4N, R65W
Weld County, Colorado
Fremont Project No. C024-061
Remediation # 33461

Dear Mr. Peterson:

As you requested, Fremont Environmental Inc. (Fremont) personnel conducted flowline closure activities for the Noble Energy Inc. (Noble) Lower Latham PC G 01-32D. Impacted soil was not encountered during abandonment activities. Details of the Lower Latham PC G 01-32D flowline closure activities are documented in the attached Closure Report. Groundwater was not encountered during flowline abandonment activities.

Please contact me at (603) 477-6907 if you require any additional information. Fremont appreciates the opportunity to provide this service.

Sincerely,

FREMONT ENVIRONMENTAL INC.



Ethan D. Black, PG
Consultant

Attachments:

Flowline Closure Checklist
Tables
Figures
Photos

**1759 REDWING LANE, BROOMFIELD, CO 80020
(303) 956-8714 (DIRECT)**

Flowline Closure Checklist

COGCC Rule 911.a.(4) Environmental Site Closure Assessment Field Form

Additional Attachments:		Tank Battery Closure		Wellhead Closure		Pit Closure		Partially Buried Vault Closure
Site Name & COGCC Facility Number: LOWER LATHAM PC G 01-32D (API: 05- 123-33909)		Date: 3/19/2024					Remediation Project #: 33461	
Associated Wells:		Age of Site: 2012					Number of Photos Attached: See Attached	
Starting point: (GPS coordinates and descriptions) WH (40.3432118 -104.6232928)								
End point: (GPS coordinates and descriptions) SEP (40.3441163 -104.6213293)								
USCS Soil Type: SP					Estimated Depth to Groundwater: ~12 ft			
Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) None Observed								
Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth) None Observed								
Flowlines								
Flowline type	Multiphase							
Depth	3 feet							
Age	2012							
Length	~732 feet							
Construction Material	Carbon Steel							
Were flowlines pulled?	Yes							
Visual Integrity of lines	Good condition							
Visual impacts if trenched	Bellholes							
PID Readings if trenched	High @ 0.0ppm							
Sample taken? Location/Sample ID#	Yes, See Attached							
Photo Number(s)	See Attached							
Other observations regarding on location flowlines:								
Summary								
Was impacted soil identified? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes - less than 10 cubic yards <input type="checkbox"/> Yes - more than 10 cubic yards								
Total number of samples field screened: 7 (Initial Sample) & 5 (Re-Samples)					Total number of samples collected: 7 (Initial Sample) & 5 (Re-Samples)			
Highest PID Reading: High @ 0.0ppm (All Samples)					Total number of samples submitted to lab for analysis: 10			
If more than 10 cubic yards of impacted soil were observed:								
Vertical extent:					Estimated spill volume:			
Lateral extent:					Volume of soil removed:			
Is additional investigation required?								
Was groundwater encountered during the investigation? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes - not impacted or in contact with impacted soils <input type="checkbox"/> Yes - groundwater impacted and/or in contact with impacted soils								
Measured depth to groundwater:					Was remedial groundwater removal conducted? Yes <input type="checkbox"/> No <input type="checkbox"/>			
Date Groundwater was encountered:					Commencement date of removal:			
Sheen on groundwater? <input type="checkbox"/> Yes <input type="checkbox"/> No					Volume of groundwater removed prior to sampling:			
Free product observed? <input type="checkbox"/> Yes <input type="checkbox"/> No					Volume of groundwater removed post sampling:			
Total number of samples collected:					Total Volume of groundwater removed:			
Total number of samples submitted to lab for analysis:								

TABLE 1
FIELD DATA SUMMARY TABLE
NOBLE 100322
LOWER LATHAM PC G01-32D, WELD COUNTY, COLORADO
REM # 33461

Sample ID	Sample Date	Depth (ft)	GPS Data Latitude/Longitude		PDOP Value	VOC Concentration (ppm)
FL01 3 Ft	3/19/2024	3	40.3432145	-104.6231366	1.0	0.0
FL01 3Ft (2)	01/14/2025	3	40.3432145	-104.6231366	1.0	0.0
08G, 22D, 32D FL02 3 Ft	3/19/2024	3	40.3436175	-104.6230274	1.1	0.0
2-8G, 1-32D, 2-22D FL02 3Ft (2)	01/14/2025	3	40.3436175	-104.6230274	1.1	0.0
08G, 22D, 32D FL03 3 Ft	3/19/2024	3	40.3438158	-104.6226954	0.9	0.0
08G, 22D, 32D FL04 3 Ft	3/19/2024	3	40.3439215	-104.6224246	1.0	0.0
08G, 22D, 32D FL05 3 Ft	3/19/2024	3	40.3441670	-104.6218304	0.8	0.0
2-8G, 1-32D, 2-22D FL05 3Ft (2)	01/14/2025	3	40.3441670	-104.6218304	0.8	0.0
02-01G Combi Trench 3FT	3/19/2024	3	40.3442117	-104.6213271	0.8	0.0
02-01G Combi Trench 3Ft (2)/FL06	01/14/2025	3	40.3436175	-104.6230274	1.1	0.0
W FL Riser Combi Trench 3 Ft	3/18/2024	3	40.3441163	-104.6213293	0.7	0.0
W FL Riser Combi Trench 3Ft (2)	01/14/2025	3	40.3441163	-104.6213293	0.7	0.0
BKG 1	3/19/2024	1, 3, 4	40.3431522	-104.6221596	-	0.0
BKG 2	3/19/2024	1, 3, 4	40.3442071	-104.6230555	-	0.0
BKG 3	3/19/2024	1, 3, 4	40.3448081	-104.6227551	-	0.0
BKG 4	3/19/2024	1, 3, 4	40.3449512	-104.6212370	-	0.0
BKG 5	3/19/2024	1, 3, 4	40.3431031	-104.6211511	-	0.0
BKG 1	1/15/2025	1, 3, 4	40.3443096	-104.622232	0.80	0.0
BKG 2	1/15/2025	1, 3, 4	40.3441366	-104.622265	0.80	0.0
BKG 3	1/15/2025	1, 3, 4	40.3438852	-104.622292	0.70	0.0
BKG 4	1/15/2025	1, 3, 4	40.3436902	-104.62322	0.70	0.0
BKG 5	1/15/2025	1, 3, 4	40.343599	-104.623563	0.80	0.0

1. Global Positioning System (GPS) data is provided in decimal degrees using North American Datum (NAD) 83 UTMZone 13 North.

2. Volatile organic compound (VOC) concentrations are measured in the field using a photoionization detector (PID).

PDOP = Position Dilution of Precision

ppm = Parts per million

ft. = Feet

bgs = Below ground surface

Confirmation (Re-Sample)

TABLE 2
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE 100322
LOWER LATHAM PC G01-32D, WELD COUNTY, COLORADO
REM # 33461

Sample ID	Sample Date	Depth (ft)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Xylenes (mg/kg)	1,2,4- Trimethyl- Benzene (mg/kg)	1,3,5- Trimethyl- Benzene (mg/kg)	Naphthalene (mg/kg)	TPH (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			1.2	490	5.8	58	30	27	2	500	500**		
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038	500	500**		
FL01 3FT	03/19/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
FL01 3Ft (2)	01/14/2025	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
2-8G, 1-32D, 2-22D FL02 3FT	03/19/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
2-8G, 1-32D, 2-22D FL02 3Ft (2)	01/14/2025	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
2-8G, 1-32D, 2-22D FL05 3FT	03/19/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
2-8G, 1-32D, 2-22D FL05 3Ft (2)	01/14/2025	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
02-01G Combi Trench 3FT	03/19/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
02-01G Combi Trench 3Ft (2)/FL06	01/14/2025	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
W FL Riser Combi Trench 3FT	03/18/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
W FL Riser Combi Trench 3Ft (2)	01/14/2025	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50

1. Bold values exceed the ECMC Table 915-1 limit(s)
 2. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)
 3. * Indicates laboratory minimum detection limit in excess of SSL
 4. ** Summation of GRO+DRO+ORO must be less than 500 mg/kg
- (<) = Analytical result is less than the indicated laboratory reporting limit.
TPH-GRO = Total petroleum hydrocarbons - gasoline range organics
TPH-DRO = Total petroleum hydrocarbons - diesel range organics
TPH-ORO = Total petroleum hydrocarbons - oil range organics
mg/kg = Milligrams per kilogram
ft. = Feet
bgs = Below ground surface
NA - Not analyzed
Confirmation (Re-Sample)

TABLE 3
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE 100322
LOWER LATHAM PC G01-32D, WELD COUNTY, COLORADO
REM # 33461

Sample ID	Sample Date	Depth (ft)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo (a) Anthracene (mg/kg)	Benzo (a) Pyrene (mg/kg)	Benzo (b) Fluoranthene (mg/kg)	Benzo (k) Fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo (a,h) Anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno (1,2,3- cd) Pyrene (mg/kg)	Pyrene (mg/kg)	1-Methyl - Naphthalene (mg/kg)	2-Methyl- Naphthalene (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			360	1800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180	18	24
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	1.3	0.006	0.019
FL01 3FT	03/19/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
FL01 3Ft (2)	01/14/2025	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
2-8G, 1-32D, 2-22D FL02 3FT	03/19/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
2-8G, 1-32D, 2-22D FL02 3Ft (2)	01/14/2025	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
2-8G, 1-32D, 2-22D FL05 3FT	03/19/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
2-8G, 1-32D, 2-22D FL05 3Ft (2)	01/14/2025	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
02-01G Combi Trench 3FT	03/19/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
02-01G Combi Trench 3Ft (2)/FL06	01/14/2025	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
W FL Riser Combi Trench 3FT	03/18/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
W FL Riser Combi Trench 3Ft (2)	01/14/2025	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

1. Bold values exceed the ECMC Table 915-1 limit(s)

2. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)

3. * Indicates laboratory minimum detection limit in excess of SSL

4. ** Summation of GRO+DRO+ORO must be less than 500 mg/kg

(<) = Analytical result is less than the indicated laboratory reporting limit.

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

TPH-DRO = Total petroleum hydrocarbons - diesel range organics

TPH-ORO = Total petroleum hydrocarbons - oil range organics

mg/kg = Milligrams per kilogram

ft. = Feet

bgs = Below ground surface

NA - Not analyzed

Confirmation (Re-Sample)

TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE 100322
LOWER LATHAM PC G01-32D, WELD COUNTY, COLORADO
REM # 33461

Sample ID	Sample Date	Depth (ft)	pH (Standard Units)	EC (mmhos/cm)	SAR (Standard Units)	Boron (mg/L)
ECMC Table 915-1 Soil Suitability Limits			6 - 8.3	4	6	2
FL01 3FT	03/19/2024	3	6.92	0.501	0.0259	<2.00
FL01 3Ft (2)	01/14/2025	3	7.50	0.196	0.657	<2.00
2-8G, 1-32D, 2-22D FL02 3FT	03/19/2024	3	7.83	1.88	1.63	<2.00
2-8G, 1-32D, 2-22D FL02 3Ft (2)	01/14/2025	3	7.87	0.678	0.877	<2.00
2-8G, 1-32D, 2-22D FL05 3FT	03/19/2024	3	8.07	1.05	1.12	<2.00
2-8G, 1-32D, 2-22D FL05 3Ft (2)	01/14/2025	3	7.74	0.483	0.451	<2.00
02-01G Combi Trench 3FT	03/19/2024	3	8.39	0.219	0.062	<2.00
02-01G Combi Trench 3Ft (2)/FL06	01/14/2025	3	8.92	0.193	0.751	<2.00
W FL Riser Combi Trench 3FT	03/18/2024	3	8.31	0.225	0.112	<2.00
W FL Riser Combi Trench 3Ft (2)	01/14/2025	3	8.70	0.162	0.288	<2.00
BKG 1 1FT	03/19/2024	1	8.63	0.415	0.146	<2.00
BKG 2 1FT	03/19/2024	1	8.13	0.318	0.322	<2.00
BKG 3 1FT	03/19/2024	1	8.31	0.412	1.42	<2.00
BKG 4 1FT	03/19/2024	1	8.59	0.813	1.88	<2.00
BKG 5 1FT	03/19/2024	1	7.91	1.21	1.31	<2.00
BKG 1 3FT	03/19/2024	3	8.39	0.458	0.212	<2.00
BKG 2 3FT	03/19/2024	3	7.71	0.628	0.452	<2.00
BKG 3 3FT	03/19/2024	3	7.91	1.29	1.43	<2.00
BKG 4 3FT	03/19/2024	3	8.34	1.04	2.37	<2.00
BKG 5 3FT	03/19/2024	3	8.05	1.60	2.19	<2.00

TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE 100322
LOWER LATHAM PC G01-32D, WELD COUNTY, COLORADO
REM # 33461

Sample ID	Sample Date	Depth (ft)	pH (Standard Units)	EC (mmhos/cm)	SAR (Standard Units)	Boron (mg/L)
ECMC Table 915-1 Soil Suitability Limits			6 - 8.3	4	6	2
BKG 1 4FT	03/19/2024	4	8.99	0.286	0.244	<2.00
BKG 2 4FT	03/19/2024	4	7.99	0.753	0.538	<2.00
BKG 3 4FT	03/19/2024	4	8.13	0.760	1.11	<2.00
BKG 4 4FT	03/19/2024	4	8.44	0.970	2.11	<2.00
BKG 5 4FT	03/19/2024	4	8.26	1.33	2.56	<2.00
BKG01 4Ft	01/15/2025	4	8.81	0.0876	0.225	<2.00
BKG02 4Ft	01/15/2025	4	8.27	2.34	5.05	<2.00
BKG03 4Ft	01/15/2025	4	8.13	0.52	0.88	<2.00
BKG04 4Ft	01/15/2025	4	8.15	0.53	0.858	<2.00
BKG05 4Ft	01/15/2025	4	7.96	3.2	4.1	<2.00
Maximum Background Concentration			8.81	3.2	5.05	<2.00

1. **Bold** faced values exceed the ECMC Table 915-1 limit(s), but are within background concentrations.

2. **Bold** faced values exceed the ECMC Table 915-1 limit(s) and native background concentrations.

3. Brown highlighted soil analytical values indicate a regulatory exceedance.

4. Confirmation (Re-Sample)

NA - Not analyzed/Not applicable

TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE 100322
LOWER LATHAM PC G01-32D, WELD COUNTY, COLORADO
REM # 33461

Sample ID	Sample Date	Depth (ft)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			0.68	15000	71	0.3	3100	400	1500	390	390	23000
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
FL01 3FT	03/19/2024	3	3.19	420	1.12	<0.30	10.6	7.59	4.38	<0.260	0.0357	50.3
FL01 3Ft (2)	01/14/2025	3	6.08	158	0.372	<0.30	7.62	11.9	9.19	<0.260	0.0565	29.6
2-8G, 1-32D, 2-22D FL02 3FT	03/19/2024	3	2.30	81.2	0.218	<0.30	3.48	8.00	4.04	<0.260	<0.0200	20.8
2-8G, 1-32D, 2-22D FL02 3Ft (2)	01/14/2025	3	4.05	102	<0.200	<0.30	3.68	6.31	3.45	<0.260	0.0300	16.4
2-8G, 1-32D, 2-22D FL05 3FT	03/19/2024	3	4.23	126	<0.200	<0.30	3.43	7.01	3.31	<0.260	0.0365	15.6
2-8G, 1-32D, 2-22D FL05 3Ft (2)	01/14/2025	3	2.88	94.1	0.235	<0.30	5.2	8.86	5.06	<0.260	0.0253	24.1
02-01G Combi Trench 3FT	03/19/2024	3	2.45	121	0.23	<0.30	3.66	7.84	4.29	<0.260	<0.0200	19.1
02-01G Combi Trench 3Ft (2)/FL06	01/14/2025	3	2.46	161	<0.200	<0.30	4.71	7.04	4.49	<0.260	0.0234	20.2
W FL Riser Combi Trench 3FT	03/18/2024	3	2.55	185	0.234	<0.30	7.92	7.38	6.42	<0.260	0.0281	28.9
W FL Riser Combi Trench 3Ft (2)	01/14/2025	3	2.80	215	0.281	<0.30	6.18	8.36	4.94	<0.260	0.0448	25.6
BKG 1 1FT	03/19/2024	1	2.70	66.0	<0.200	<0.30	3.50	9.59	2.61	<0.260	0.0242	13.7
BKG 2 1FT	03/19/2024	1	4.96	111	0.428	<0.30	6.18	11.8	5.85	<0.260	0.0386	25.1
BKG 3 1FT	03/19/2024	1	5.66	110	<0.200	<0.30	3.74	6.88	3.83	<0.260	0.0379	17.0
BKG 4 1FT	03/19/2024	1	3.92	56.0	<0.200	<0.30	0.570	4.77	1.01	<0.260	0.0285	5.45
BKG 5 1FT	03/19/2024	1	4.73	109	<0.200	<0.30	4.13	6.85	3.96	<0.260	0.0351	16.5
BKG 1 3FT	03/19/2024	3	2.69	71.3	0.224	<0.30	6.81	13.9	3.62	<0.260	0.0259	19.7
BKG 2 3FT	03/19/2024	3	4.10	112	0.348	<0.30	5.88	11.3	5.70	<0.260	0.0355	25.8
BKG 3 3FT	03/19/2024	3	4.61	101	<0.200	<0.30	3.65	6.55	3.57	<0.260	0.0324	15.8
BKG 4 3FT	03/19/2024	3	3.34	52.8	<0.200	<0.30	0.566	5.01	1.04	<0.260	0.0271	5.62
BKG 5 3FT	03/19/2024	3	3.65	62.5	<0.200	<0.30	1.17	5.07	1.55	<0.260	0.0300	7.29
BKG 1 4FT	03/19/2024	4	3.58	81.6	<0.200	<0.30	4.83	10.6	3.11	<0.260	0.0288	16.7
BKG 2 4FT	03/19/2024	4	6.04	172	0.472	<0.30	8.74	15.8	8.25	<0.260	0.0486	38.8
BKG 3 4FT	03/19/2024	4	3.96	102	<0.200	<0.30	3.61	6.77	3.73	<0.260	0.0321	16.1
BKG 4 4FT	03/19/2024	4	4.08	57.1	<0.200	<0.30	0.580	5.18	1.05	<0.260	0.0299	5.27
BKG 5 4FT	03/19/2024	4	4.08	57.4	<0.200	<0.30	0.695	4.99	1.14	<0.260	0.0320	6.17

TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE 100322
LOWER LATHAM PC G01-32D, WELD COUNTY, COLORADO
REM # 33461

Sample ID	Sample Date	Depth (ft)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			0.68	15000	71	0.3	3100	400	1500	390	390	23000
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
BKG01 4Ft	01/15/2025	4	1.19	25.6	<0.200	<0.30	2.21	6.71	7.09	<0.260	<0.0200	31.6
BKG02 4Ft	01/15/2025	4	28.1	140	<0.200	<0.30	3.41	6	3.2	0.312	0.0285	15.3
BKG03 4Ft	01/15/2025	4	3.08	102	<0.200	<0.30	4.61	8.38	5.26	<0.260	0.0209	21.7
BKG04 4Ft	01/15/2025	4	2.64	97.1	<0.200	<0.30	4.17	6.46	4.5	<0.260	<0.0200	20
BKG05 4Ft	01/15/2025	4	2.39	101	0.22	<0.30	5.59	8.38	6	<0.260	0.0208	25.5
1.25x Maximum Background Concentration			35.125	175	0.275	<0.30	6.9875	10.475	8.8625	0.39	0.035625	39.5

1. **Bold** faced values exceed the ECMC Table 915-1 limit(s), but are within 1.25x background concentrations.
2. **Red** faced values exceed the ECMC Table 915-1 limit(s) and native background concentrations.
3. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL).
4. Non-detect background results accounted for in the highest background concentration by using the reporting limit.

ECMC = Energy & Carbon Management Commission

(<) = Analytical result is less than the indicated laboratory reporting limit.

mg/kg = Milligrams per kilogram

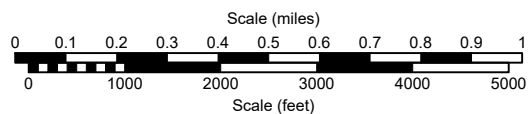
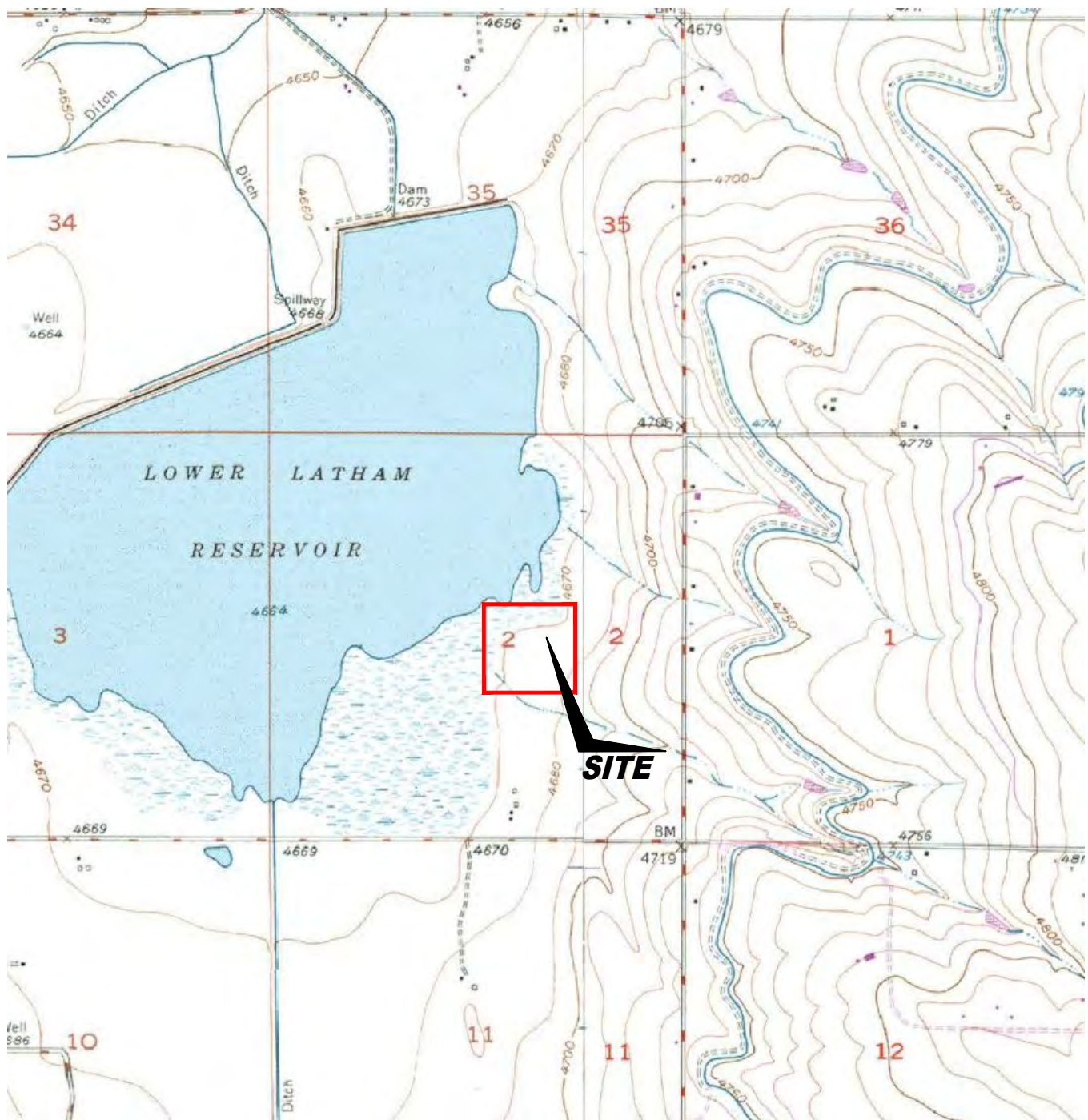
ft. = Feet

bgs = Below ground surface

* Indicates laboratory minimum detection limit in excess of SSL

NA - Not analyzed/Not applicable

Confirmation (Re-Sample)



USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1
SITE LOCATION MAP
NOBLE ~ LOWER LATHAM PC G 01-32D

SENE Sec. 2, T4N, R65W, 6th PM
 Weld County, Colorado
 40.343190°, -104.623060°

Project # C024-061	API # 05-123-33909	Facility #
Date 4/1/25	Remediation # 33461	Filename 24061T



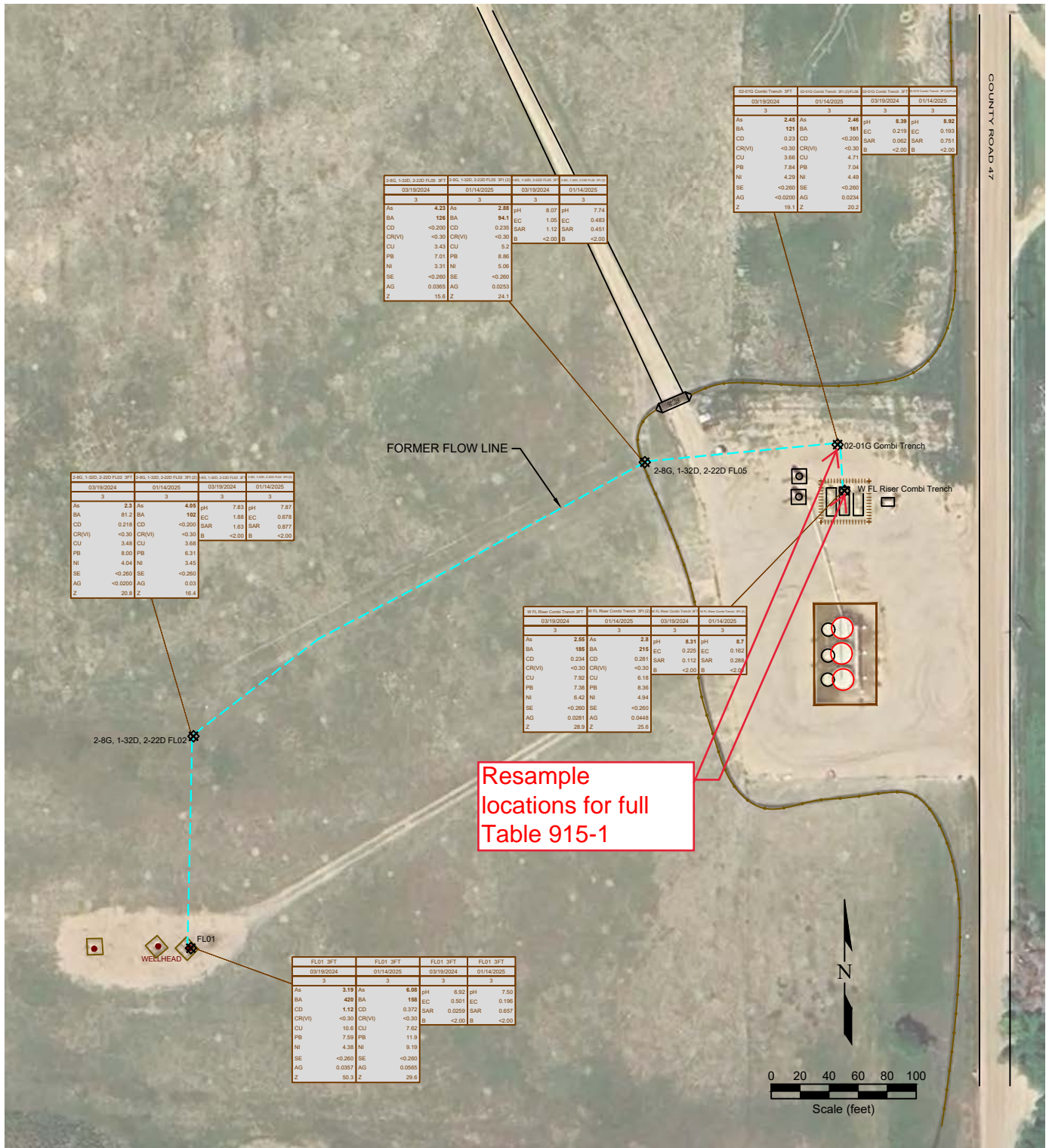


**Figure 2
SITE MAP**

NOBLE ~ LOWER LATHAM PC G 01-32D

SENE Sec. 2, T4N, R65W, 6th PM
Weld County, Colorado
40.343190°, -104.623060°

Project No. C024-061	API # 05-123-33909	Facility #	REMONT ENVIRONMENTAL
Date 4/1/25	Remediation # 33461	Filename 24061Q	



LEGEND			
● WELL HEAD LOCATION	○ ABOVE GROUND STORAGE TANK	FORMER FACILITY	FORMER FLOW LINE
⊗ SOIL SAMPLE LOCATION		BUILDING	FENCE LINE
			CONTAINMENT BERM
			CONTAINMENT WALL

SAMPLE	SAMPLE ID	SAMPLE	SAMPLE ID
DATE	DATE SAMPLED	DATE	DATE SAMPLED
DEPTH	DEPTH (ft)	DEPTH	DEPTH (ft)
As	<0.01	As	<0.01
BA	<0.01	BA	<0.01
CD	<0.01	CD	<0.01
CR(VI)	<0.05	CR(VI)	<0.05
CU	<0.01	CU	<0.01
PB	<0.05	PB	<0.05
NI	<0.05	NI	<0.05
SE	<0.5	SE	<0.5
AG	<0.05	AG	<0.05
Z	<0.05	Z	<0.05

Figure 4
METALS AND INORGANIC SOIL CHEMISTRY MAP
NOBLE ~ LOWER LATHAM PC G 01-32D

SENE Sec. 2, T4N, R65W, 6th PM
 Weld County, Colorado
 40.343190°, -104.623060°

Project No. C024-061	API # 05-123-33909	Facility #	REMONT ENVIRONMENTAL
Date 4/1/25	Remediation # 33461	Filename 24061Q	

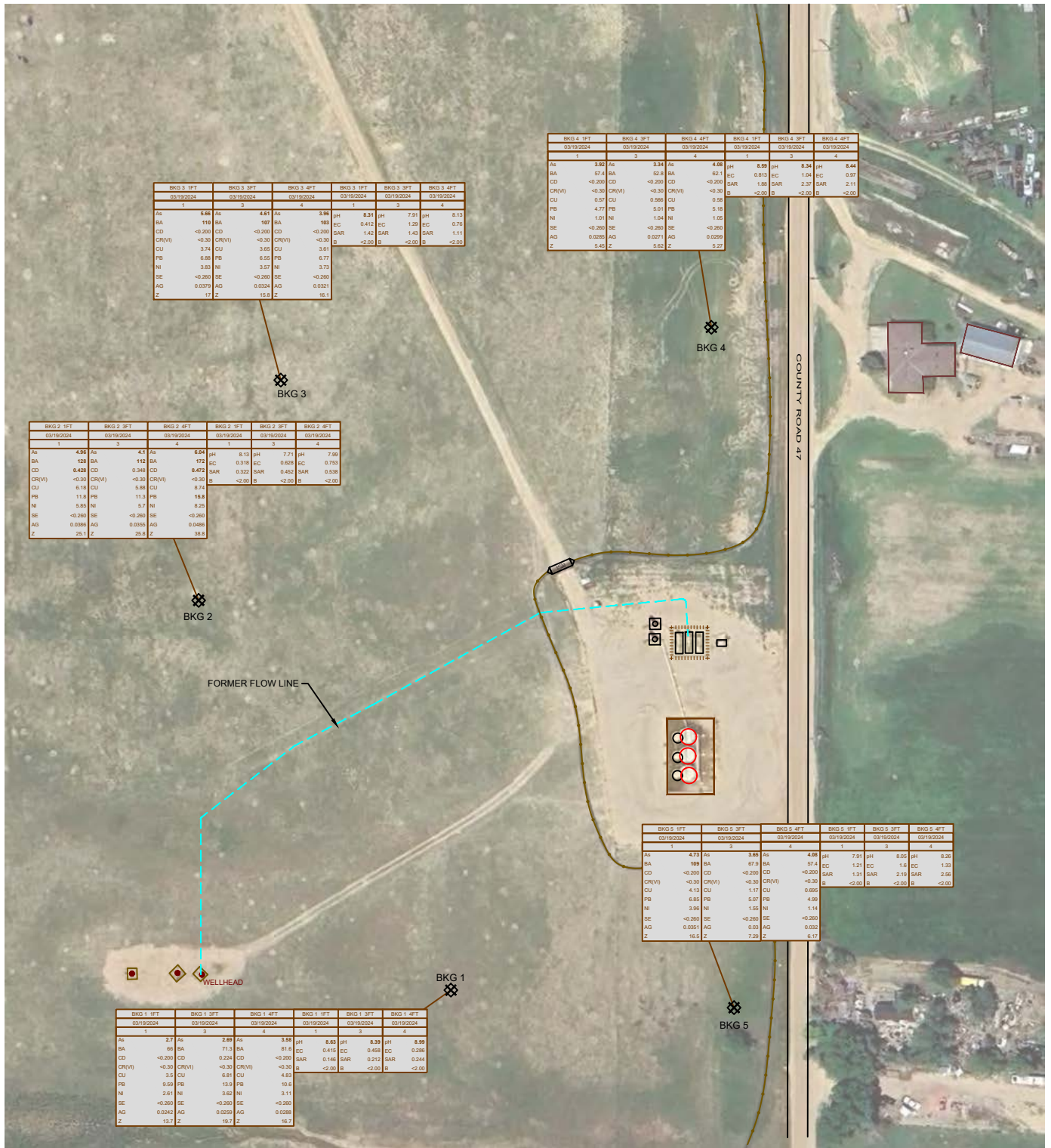


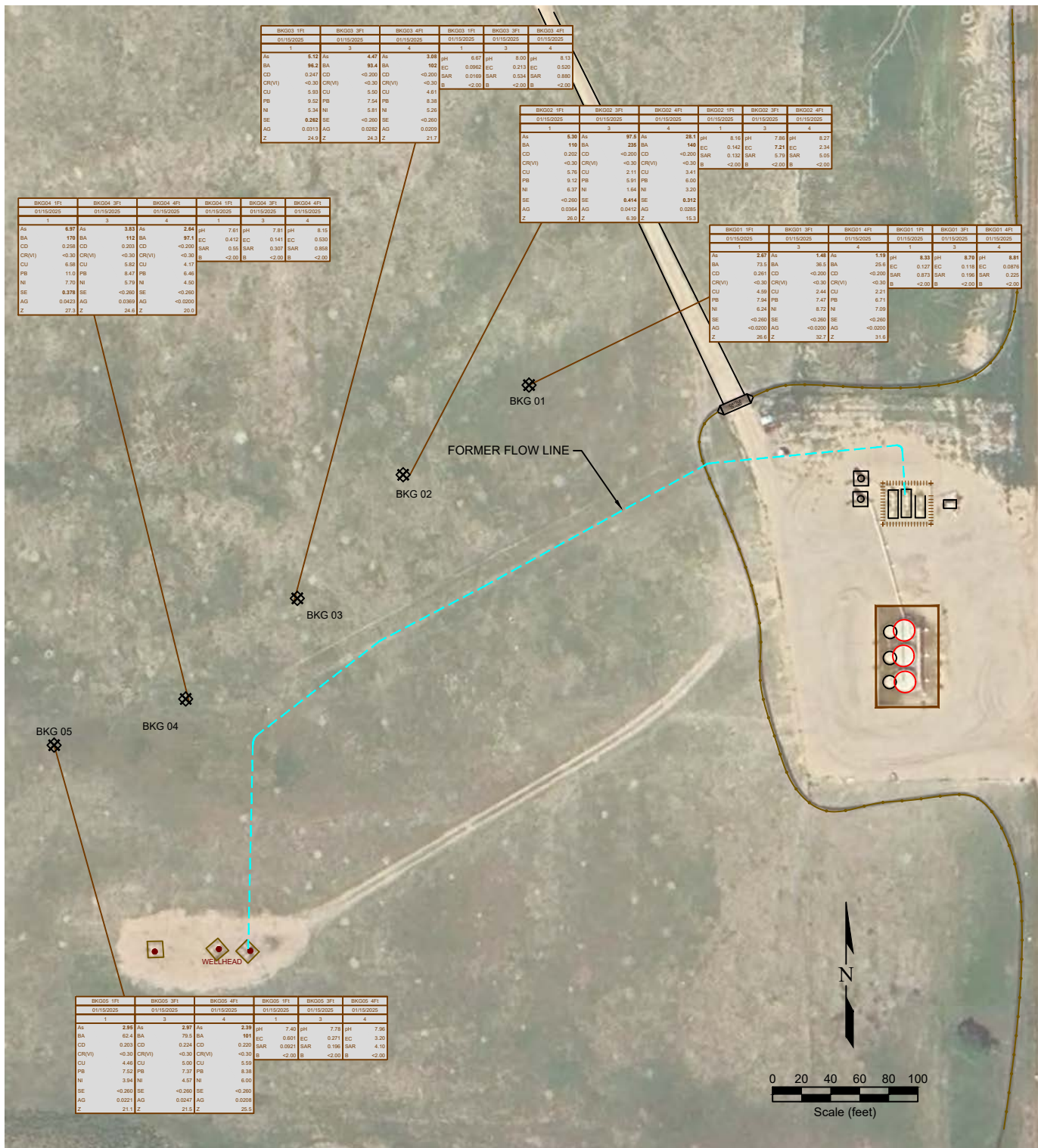
Figure 5
BACKGROUND SAMPLE SOIL CHEMISTRY MAP
NOBLE ~ LOWER LATHAM PC G 01-32D

SENE Sec. 2, T4N, R65W, 6th PM
 Weld County, Colorado
 40.343190°, -104.623060°

Project No. C024-061	API # 05-123-33909	Facility #	
Date 4/1/25	Remediation # 33461	Filename 24061Q1	

LEGEND			
● WELL HEAD LOCATION	○ ABOVE GROUND STORAGE TANK	FORMER FLOW LINE	FORMER FACILITY
⊗ SOIL SAMPLE LOCATION	■ BUILDING	— FENCE LINE	— CONTAINMENT BERM
		— CONTAINMENT WALL	

SAMPLE	SAMPLE ID	SAMPLE	SAMPLE ID
DATE	DATE SAMPLED	DATE	DATE SAMPLED
DEPTH	DEPTH (ft)	DEPTH	DEPTH (ft)
As	<0.01	As	<0.01
BA	<0.01	BA	<0.01
CD	<0.01	CD	<0.01
CR(V)	<0.01	CR(V)	<0.01
CU	<0.01	CU	<0.01
PB	<0.01	PB	<0.01
NI	<0.01	NI	<0.01
SE	<0.01	SE	<0.01
AG	<0.01	AG	<0.01
Z	<0.01	Z	<0.01



LEGEND

- WELL HEAD LOCATION
- ⊗ SOIL SAMPLE LOCATION
- ABOVE GROUND STORAGE TANK
- FORMER FACILITY
- BUILDING
- BUILDING
- FORMER FLOW LINE
- FENCE LINE
- CONTAINMENT BERM
- CONTAINMENT WALL

SAMPLE	SAMPLE ID	SAMPLE	SAMPLE ID
DATE	DATE SAMPLED	DATE	DATE SAMPLED
DEPTH	DEPTH (ft)	DEPTH	DEPTH (ft)
As	<0.01	As	<0.01
BA	<0.01	BA	<0.01
CD	<0.01	CD	<0.01
CR(VI)	<0.01	CR(VI)	<0.01
CU	<0.01	CU	<0.01
PB	<0.01	PB	<0.01
NI	<0.01	NI	<0.01
SE	<0.01	SE	<0.01
AG	<0.01	AG	<0.01
Z	<0.01	Z	<0.01

Figure 6
BACKGROUND SAMPLE SOIL CHEMISTRY MAP
NOBLE ~ LOWER LATHAM PC G 01-32D

SENE Sec. 2, T4N, R65W, 6th PM
Weld County, Colorado
40.343190°, -104.623060°

Project No. C024-061	API # 05-123-33909	Facility #
Date 5/9/25	Remediation # 33461	Filename 24061Q2



Photo Log



Description:

Lower Latham PC G01-32D - FL01 sample location with wellhead and FL riser in view, looking SW

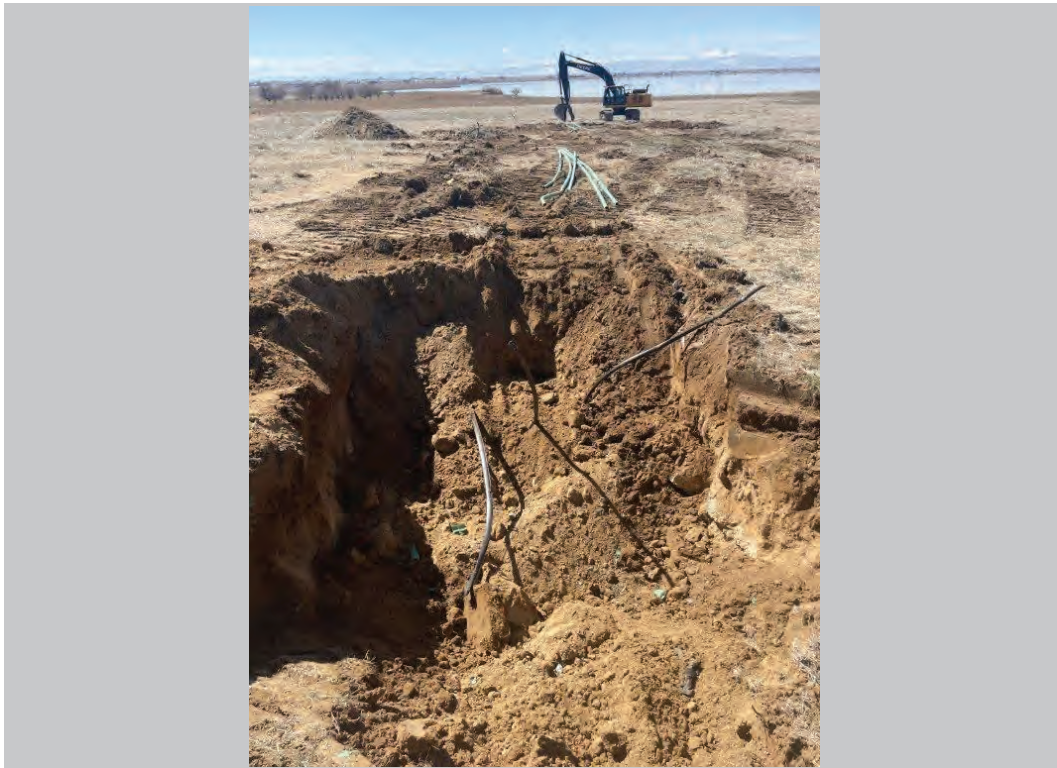
Photo Log



Description:

Lower Latham PC G01-32D - FL02 sample location, in trench with Lower Latham 02-08G, and Lower Latham PC G02-22D flowlines, looking SW

Photo Log



Description:

Lower Latham PC G01-32D - FL03 sample location, in trench with Lower Latham 02-08G, and Lower Latham PC G02-22D flowlines, looking SW

Photo Log



Description:

Lower Latham PC G01-32D - FL04 sample location, in trench with Lower Latham 02-08G, and Lower Latham PC G02-22D flowlines, looking SW

Photo Log



Description:

Lower Latham PC G01-32D - FL05 sample location, in trench with Lower Latham 02-08G, and Lower Latham PC G02-22D flowlines, looking E

Photo Log



Description:

Lower Latham PC G01-32D - FL06 sample location, in trench with Lower Latham 02-08G, and Lower Latham PC G02-22D flowlines, looking S

Photo Log



Description:

Lower Latham PC G01-32D - FL06 sample location, in trench with Lower Latham 02-08G, and Lower Latham PC G02-22D flowlines

Photo Log



Description:

Lower Latham PC G01-32D - E and W FL riser excavations, looking E

Photo Log



Description:

Lower Latham PC G01-32D - flowline following removal, green FBE coating, good condition