



Site Specific Final Reclamation Completion Notice – Land Use Change Drone Imagery

Permit Closure Report – Land Use Change

Location ID: 327043

Location Name: LESSER PM J-65N66W/21NENE

Report Date:

11/26/2024

H2E has conducted a thorough review of the data provided in this report. This report was developed in accordance with ECMC Operator Guidance – Operator supplied land use change drone imagery and information for submitting a final reclamation completion notice.

Land Use Change Type

The land use for this location has been reclaimed and taken over for redevelopment.

Inspection:

Performed by	H2E, Inc.
Date	10/30/2024

All pertinent data, imagery, and materials are included at the end of this report.

Location Checklist



Operator / #	PDC ENERGY INC - 69175			
Name / Location ID	LESSER PM J-65N66W/21NENE - 327043			
County	Weld			
Well Information	Well Names: LESSER PM J #21-1			
	Well API #: 05-123-14053			
	Lat/Long As Drilled: 40.390090 / -104.777260			
	Plug date & Form 6S Doc. #: 01/21/2021 - 402600129			
Facility Entities		Tank Battery		Pits
	X	Wells		On-Location Flowlines (Form 42)
		Domestic Taps	X	Off-Location Flowlines (Form 44)
				Doc. # 402810801
Equipment on Site	X	None		Debris
		Pit mouse/rat holes, cellars backfilled		
Access Road	X	Regraded	X	Contoured
		Culverts removed		Gravel removed
		Pre-existing: must provide supporting documentation		
Reclamation Status	X	Location and associated disturbances reclaimed		
		Subsidence		
Spills or Releases (Form 19)		No	X	Yes
Remediation (Form 27/27A)		No	X	Yes
On-Location Flowlines	X	No		Yes
Off-Location Flowlines		No	X	Yes
Inspection Corrective Actions		No	X	Yes
Sundry Notice (Form 4)	No Sundry Notice pertaining to series 900-1200 rules was identified.			
Drone Information	Make & Model: DJI M350			
	Image Processing Software: Pix4Dmapper			
	Pilot Name & FAA Certificate #: Travis Bieber - 45677803			
	Date of FAA Certificate Issuance: 10/13/2021			



Designated Land Use Observations

Previous Land Use	Current Land Use
Reference Imagery for Infrastructure: NAIP 2015	Remotely Sensed Imagery: 10/30/2024
Designation: Cropland	Designation: Land Use Change Redevelopment

The following imagery sources were reviewed during this investigation:

NAIP Imagery 2015, 2023, and Google Imagery from 1985-2023.

Site Observation Notes

No Additional Information

Closure Information

This final reclamation completion notice is intended to close the LESSER PM J-65N66W/21NENE location which consists of the LESSER PM J #21-1 (API # 05-123-14053) wellhead. This wellhead does not share a disturbance with any other wells or tank batteries. The associated tank battery has its own location ID (471427) which will remain open until final reclamation has been achieved.

The LESSER PM J-65N66W/21NENE location is in Weld County, Colorado south of Highway 34 Byp and east of 65th Ave. There is one off location flowline associated with this well that transports produced fluids to its associated tank battery before being removed in January of 2021.

LESSER PM J #21-1 was reclaimed and the land use changed for redevelopment. The wellhead was accessed from an unpaved access road off of Highway 34 Byp. The access road was reclaimed and the land use changed to redevelopment in conjunction with the reclamation of the well location.

There was a spill/release (Form 19) documented during our records review. The spill (Initial Document #402616851; Supplemental Document #402626261) was a "Historical Release" and was discovered on 03/03/2021. It stated "Historic Release was discovered near the wellhead during wellhead & flowline abandonment activities. Release clean-up and delineation activities are underway." On 03/11/2021 the spill was closed by Nikki Graber.

A Remediation Workplan (Form 27-I) was documented and identified during our records review (Doc. #402577528) and filed on 01/27/2021 for "Wellhead Closure and Flowline Removal." On 06/01/2021 a Form 27-S (Doc. #402686052) was filed to close remediation project number 16398 for "Wellhead Closure and Flowline Removal." This remediation workplan was closed on 06/04/2021 by Candice (Nikki) Graber.

There were two corrective actions (CA's) identified during our records review. During the inspection conducted on 01/31/2019, the two corrective actions were reported stating "Post sign at well with contact information posted to comply with Rule 201.b. Post Emergency contact number at well to comply with



Rule 210.b.” During the following inspection conducted on 01/31/2024, the inspection stated “All previous Corrective Action items have been addressed.”

Drone imagery confirms that no equipment was left on site at this location after reclamation activities occurred.

Summary Acreage Table

Description	Acres
Historic Disturbance Extent	0.79
Access Road	0.69
Flowline	Not Included
Tank Battery	Not Included
Well Pad	0.10

Location Summary



Name:	LESSER PM J-65N66W/21NENE		
Type	Wellhead		
Location ID	327043		
Operator / #	PDC ENERGY INC / 69175		
Field	WATTENBERG		
County, State	Weld, Colorado		
Lat/Long	40.390090 / -104.777260		
	Planned Location	X	As Drilled
Location	NENE 21 5N66W		
Location Status - Date	CL - 3/11/2021		
Facility Entities		Tank Battery	Pits
	X	Wells	X Off-Location Flowlines
		Domestic Taps	On-Location Flowlines
		Electric Utilities	
Equipment on Site	X	No	Yes
	If yes, list:		
	Pit mouse/rat holes, cellars backfilled		
Access Road	X	Regraded	X Contoured
		Culverts Removed	Gravel Removed
	Pre-Existing (Must provide supporting documentation):		
Variance Requests	N/A		
Sundry Notice (Form 4)	No sundry notice pertaining to series 900-1200 rules was identified.		
Off-Location Flowlines (Form 44)	Form 44 Doc # & Date: 402810801 - 09/14/2021 Purpose: Flowline Removed Abandonment Date: 03/04/2021 ECMC Approval Date & Signee: Director of ECMC - 11/21/2024 Operator Comments: N/A Flowline Facility Information ECMC Flowline ID: 479253 Operator Flowline ID: PDC ENERGY INC Status & Date: AC - 11/21/2024 Flowline Type: Wellhead Line Type of Fluids Transported: Produced Fluids Start Point Location ID: 327043 Start Point Riser Lat/Long: 40.390090 / -104.777260 Equipment at Start Point: Wellhead End Point Location ID: 471427 End Point Riser Lat/Long: 40.390146 / -104.779908 Equipment at End Point: Separator		

Field Inspection Form (Form INSP)	Form INSP Doc # & Date: 673800841 - 5/2/2014 691201096 - 1/30/2019 696100054 - 2/4/2019 679602837 - 06/09/2020		
	Status Summary: 673800841 - SATISFACTORY 691201096 - FOLLOW UP INSPECTION REQUIRED 696100054 - THIS IS A FOLLOW UP INSPECTION NO FOLLOW UP INSPECTION REQUIRED 679602837 - NO FOLLOW UP INSPECTION REQUIRED		
	Inspected Facilities: 673800841 - Well 691201096 - Well & Tank Battery 696100054 - Well 679602837 - Well		
	Inspection Status: 673800841 - PR 691201096 - PR 696100054 - PR 679602837 - SI		
	Inspection Date & Inspector: 673800841 - 04/30/2014 - Gomez, Jason 691201096 - 01/30/2019 - Evins, Bret 696100054 - 01/31/2019 - Evins, Bret 679602837 - 06/09/2020 - Santistevan, Brittani		
	Comments: 673800841 - Passed Interim Reclamation 691201096 - This is a WELL & BATTERY inspection 696100054 - All previous Corrective Action items have been addressed. 679602837 - No corrective actions were observed at the time of inspection.		
Inspection Corrective Actions (CAs)	691201096 - Post sign at well with contact information posted to comply with Rule 201.b. Post Emergency contact number at well to comply with Rule 210.b.		
Environmental Incidents & Remediation	<input type="checkbox"/>	None	<input checked="" type="checkbox"/> Spill or Release (Form 19)
	<input checked="" type="checkbox"/>	Remediation (Form 27/27A)	
Spill or Release (Form 19)	Spill/Release Facility ID: 479538		
	Status & Date: Case Closed - 3/11/2021		
	Form 19 Initial/Supplemental Doc # & Date: Initial: 402616851 - 03/03/2021 Supplimental: 402626261 - 03/14/2021		
	Date Closed: 3/11/2021		
	Date of Discovery: 03/03/2021		
	Spill Type: Historical Release		
	Reference Location Facility ID & Type: 05-123-14053 - Well		
	Operator: PDC ENERGY INC - 69175		
	Operator Comments: Historic Release was discovered near the wellhead during wellhead & flowline abandonment activities. Release clean-up and delineation activities are underway.		
	Request for Closure: Nikki Graber - 3/11/2021		

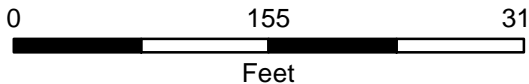
Site Investigation and Remediation Workplan (Form 27/27A)	Remediation Project #: 16398
	Form 27 Initial Doc # & Date: 402577528 - 01/27/2021
	Purpose: Wellhead Closure and Flowline Removal
	Notes: This Form 27 serves as notification for the abandonment of the Lesser PMJ 21-1 wellhead and removal of the associated flowline. Abandonment activities are planned to begin the week of January 21, 2021. This schedule may be adjusted due to unforeseen circumstances, delays, and/or changes in weather. Applicable Form 42/44 document number: 402583489.
	Form 27 Supplemental Docs # & Date: 402686052 - 06/01/2021
	Purpose: Wellhead Closure and Flowline Removal
	Operator Comments: Based on the analytical results and field observations recorded during source mass removal and supplemental site investigation activities at the Lesser PMJ 21-1 wellhead and associated flowline, PDC is submitting a closure request for this location.
	ECMC Comments: Based on the information presented, it appears that no further remedial action is necessary at this time and the COGCC approves the closure request. However, should future conditions at the site indicate contaminant concentrations in soils exceeding COGCC standards or if groundwater is found to be impacted, then further investigation and/or remediation activities may be required. This no further action determination is limited to environmental remediation. Operator is required to comply with COGCC 1100 Series Rules for Flowline Regulations for all Flowline Abandonment activities and COGCC 400 Series Rules for Wellhead Plugging and Abandonment. The surface area disturbed by the remediation activity shall be reclaimed in accordance with the 1000 Series Reclamation Rules. For locations with active ongoing oil and gas operations, comply with Rule 1003 interim reclamation requirements and for locations that will no longer have active oil and gas operations, comply with Rule 1004 Final Reclamation requirements.
	ECMC COAs: 1
	Closure Request Approved: Candice (Nikki) Graber - 06/04/2021
	Final Resolution: 06/04/2021
COGIS Tank Location Information (Scout Card)	Tank Battery Name: LESSER J/
	Location ID: 471427
	Status & Date: AC - 9/22/2023
	Lat/Long: 40.390146 / -104.779906
	Notes: N/A
	Form 4 Doc # & Date: N/A
COGIS Well Information (Scout Card)	Purpose: N/A
	Well Name: LESSER PM J #21-1
	Facility ID: 246256
	Status & Date: PA - 1/21/2021
	Lat/Long: 40.390090 / -104.777260
	Notes: N/A
	Form 4 Doc # & Date: N/A
	Purpose: N/A

Pre-Plugging Active Operations Location Overview



PDC Form 4 Final Reclamation - Pre Plugging Overview

LESSER PM J-65N66W/21NENE

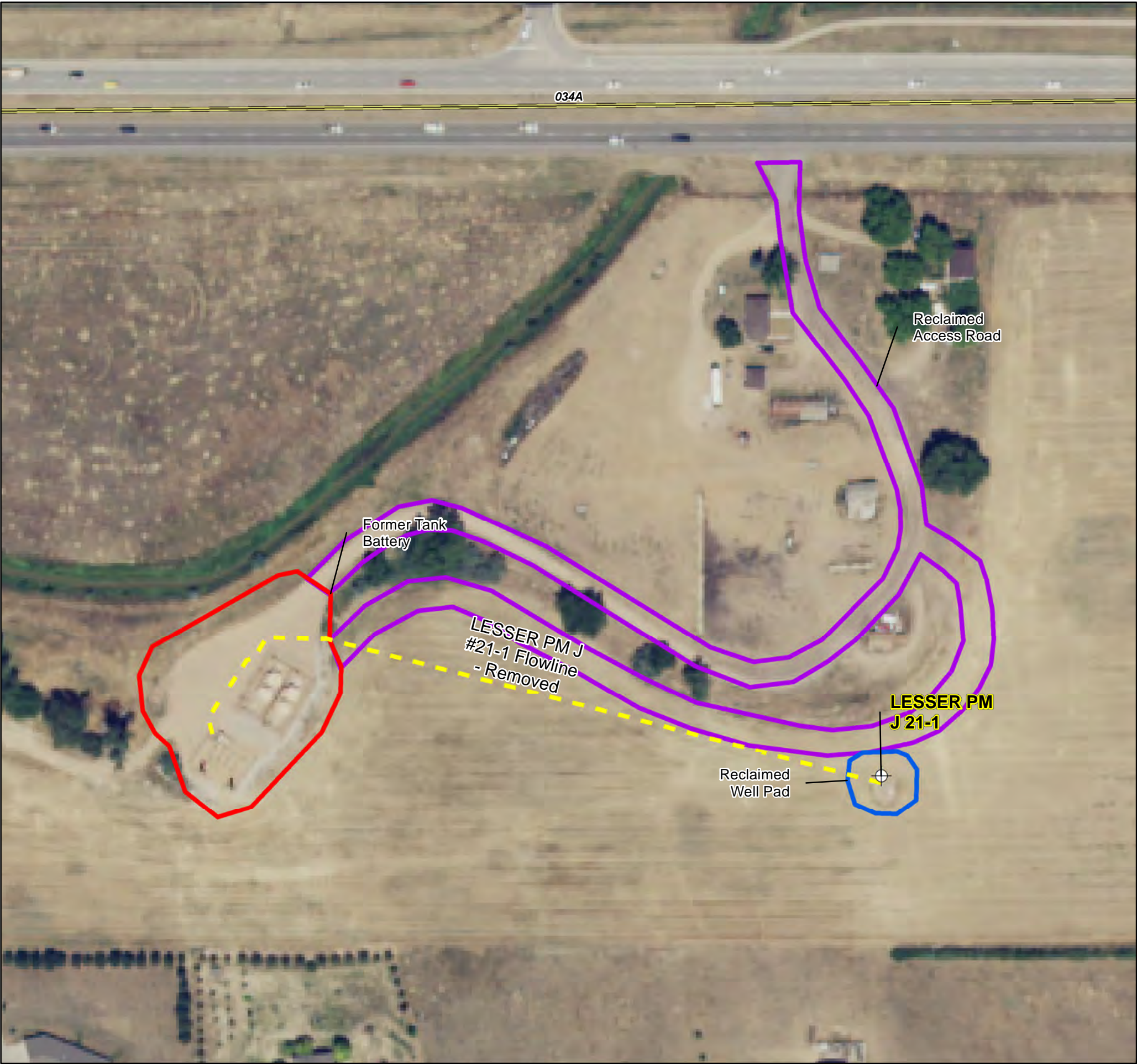
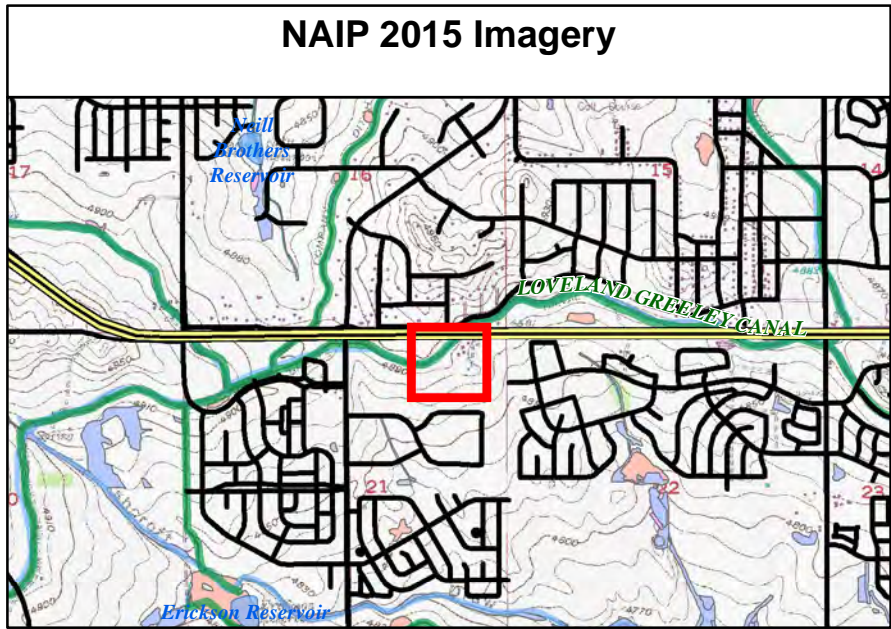


Editor: EJanak
File: PDC_Drone_Rec_PrePlugging_DDP

Scale:1:1,400
Date: 12/4/2024

- Well Head
- Former Tank Battery Disturbance
- Reclaimed Well Pad Disturbance
- Reclaimed Access Road Disturbance
- Flowline - Removed
- Highway

NAIP 2015 Imagery

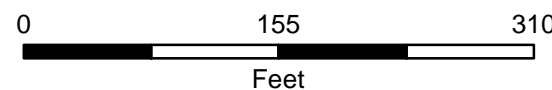
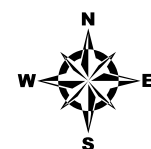


Post-Plugging and Abandonment Location Overview



PDC Form 4 Final Reclamation - Post Plugging Overview

LESSER PM J-65N66W/21NENE



Prepared by:



Editor: EJanak

File: PDC_Drone_Rec_PostPlugging_DDP

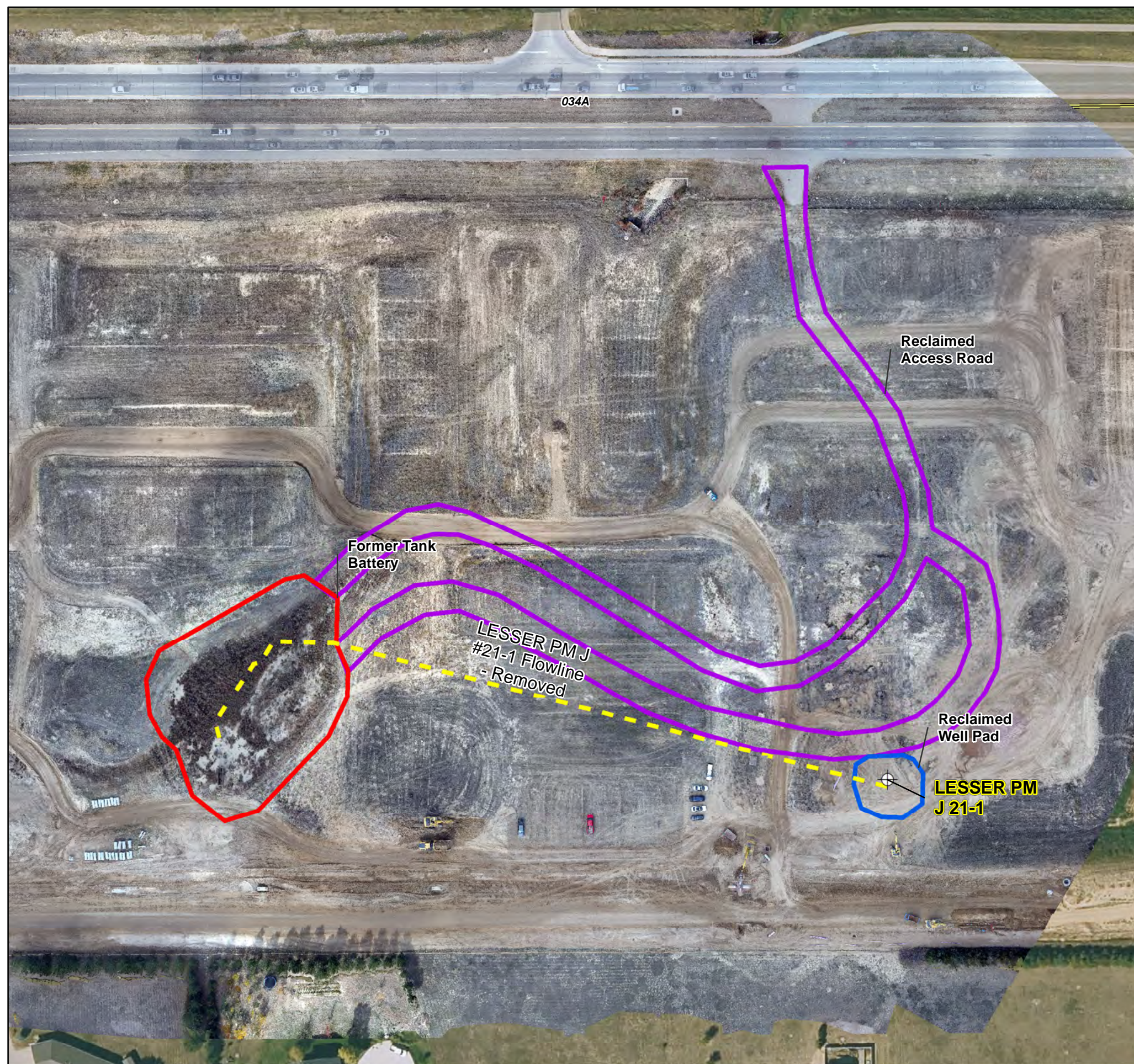
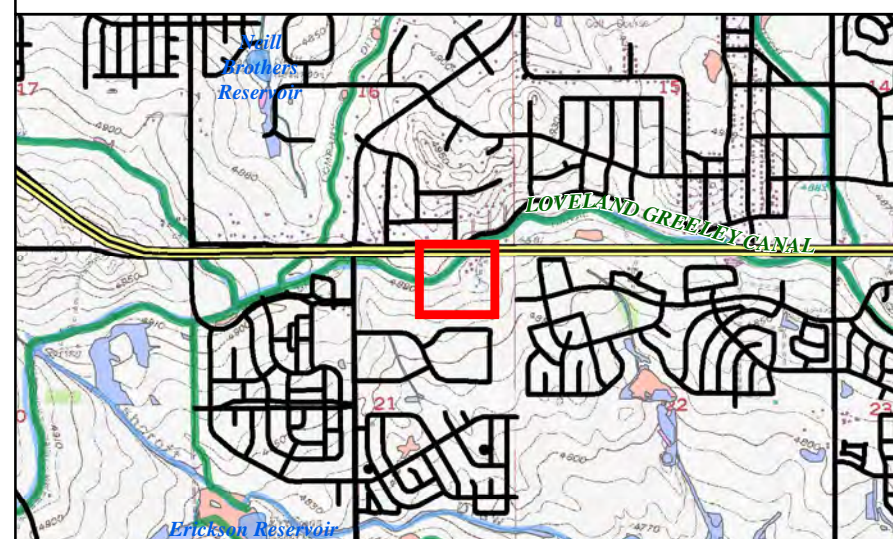
Scale: 1:1,400

Date: 12/4/2024

⊕ Well Head

- Reclaimed Tank Battery Disturbance
- Reclaimed Well Pad Disturbance
- Reclaimed Access Road Disturbance
- Flowline - Removed
- Highway

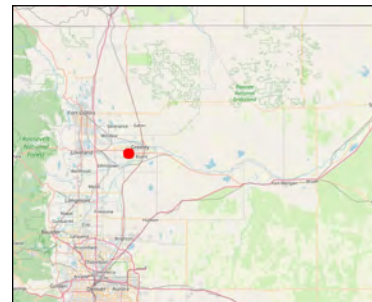
2024 Drone Imagery



City Planning and Land Use Documentation



Greeley Zoning



Legend

-  Parcels
- Highway
-  County Boundary

Notes

Green = Subdivision

1: 6,704



1,117.3	0	558.67	1,117.3	Feet
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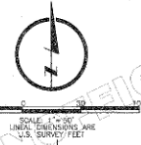
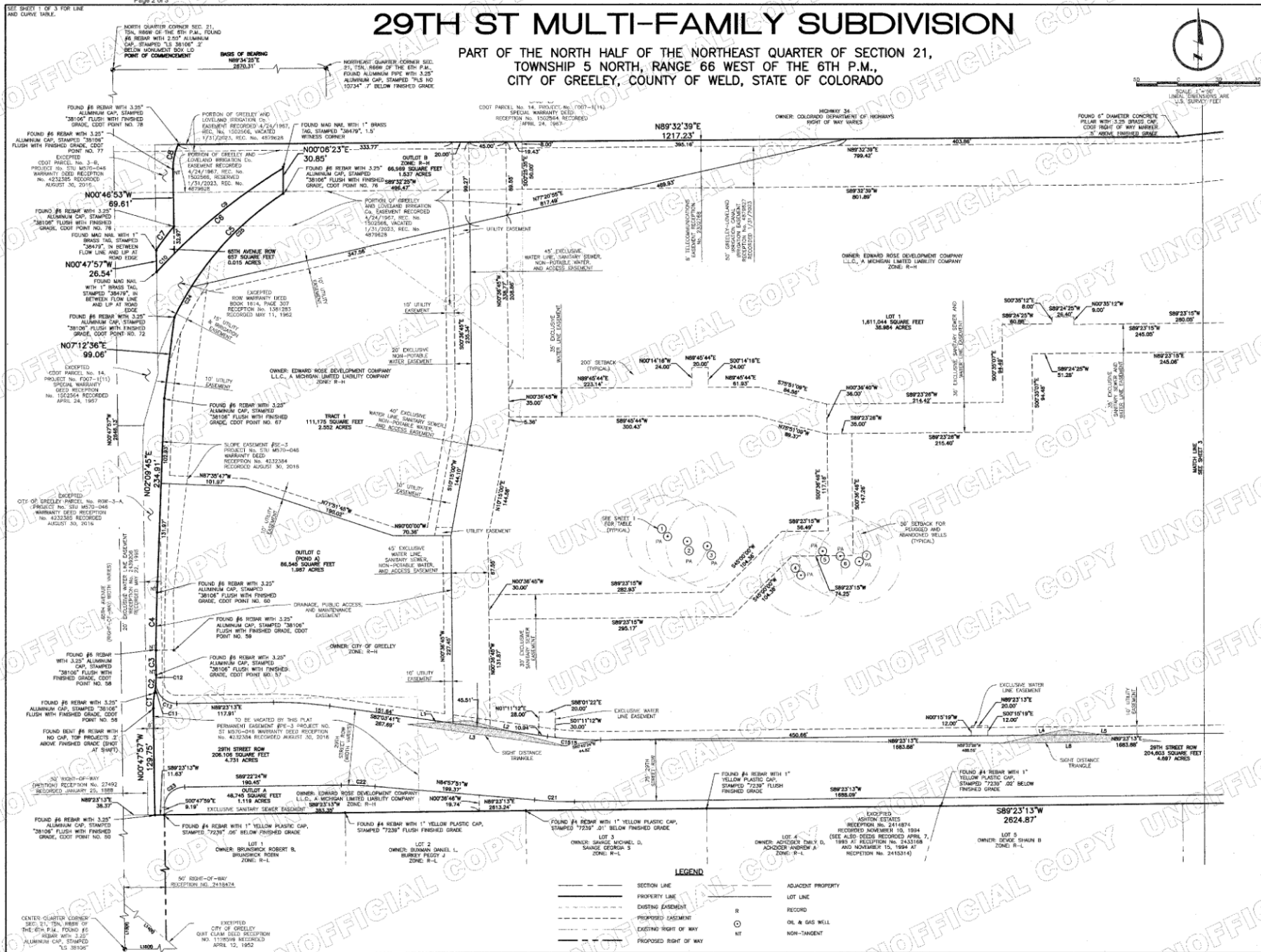
WGS_1984_Web_Mercator_Auxiliary_Sphere
© Weld County Colorado

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THIS MAP IS NOT TO BE USED FOR NAVIGATION

29TH ST MULTI-FAMILY SUBDIVISION

PART OF THE NORTH HALF OF THE NORTHEAST QUARTER OF SECTION 21,
TOWNSHIP 5 NORTH, RANGE 66 WEST OF THE 6TH P.M.,
CITY OF GREELEY, COUNTY OF WELD, STATE OF COLORADO



LAMP RYNEARSON

4715 INNOVATION DR., STE. 100
FORT COLLINS, CO 80525
970.526.0462
LampRynearson.com



SEE SHEET 1 FOR SUBDIVISION CERTIFICATION
RECORD (CONTINUED)
SUBMITAL #1 02/02/2023

29TH ST MULTI-FAMILY SUBDIVISION
PART OF THE N 1/2 OF THE NE 1/4 SECTION 21
T5N, R66W OF THE 6TH P.M.
WELD COUNTY, COLORADO



REVISIONS
SUBMITAL #1 04/23/2021
SUBMITAL #2 07/06/2021
SUBMITAL #3 08/22/2021
SUBMITAL #4 01/24/2022
SUBMITAL #5 05/23/2023
DRAWN / CHECKED / DATE
LAMP RYNEARSON / 06/01/2023
PROJECT NUMBER
021805
BOOK AND PAGE

SHEET

2 OF 3

29TH ST MULTI-FAMILY SUBDIVISION

PART OF THE NORTH HALF OF THE NORTHEAST QUARTER OF SECTION 21,
TOWNSHIP 5 NORTH, RANGE 66 WEST OF THE 6TH P.M.,
CITY OF GREELEY, COUNTY OF WELD, STATE OF COLORADO

SEE SHEET 1 OF 3 FOR LINE
AND CURVE TABLE.

**LAMP
RYNEARSON**

4715 INNOVATION DR., STE. 100
FORT COLLINS, CO 80525
970.228.0400
LampRynearson.com



SEE SHEET 1 FOR SURVEYOR'S CERTIFICATION
REVISIONS (CONTINUED)
SUBMITAL #6 07/06/2023

29TH ST MULTI-FAMILY SUBDIVISION
PART OF THE N 1/2 OF THE NE 1/4 SECTION 21
T5N, R66W OF THE 6TH P.M.
WELD COUNTY, COLORADO
29TH ST MULTI-FAMILY SUBDIVISION
GREELEY, COLORADO



Know what's below.
Call before you dig.

SUBMITAL #1 04/23/2021
SUBMITAL #1 07/09/2021
SUBMITAL #4 08/22/2021
SUBMITAL #4 01/24/2022
SUBMITAL #6 03/23/23

OWNER: EDWARD ROSE DEVELOPMENT COMPANY
L.L.C. A MICRON LIMITED LIABILITY COMPANY
ZONE: R-1

OWNER: EDWARD ROSE DEVELOPMENT COMPANY
L.L.C. A MICRON LIMITED LIABILITY COMPANY
ZONE: R-1

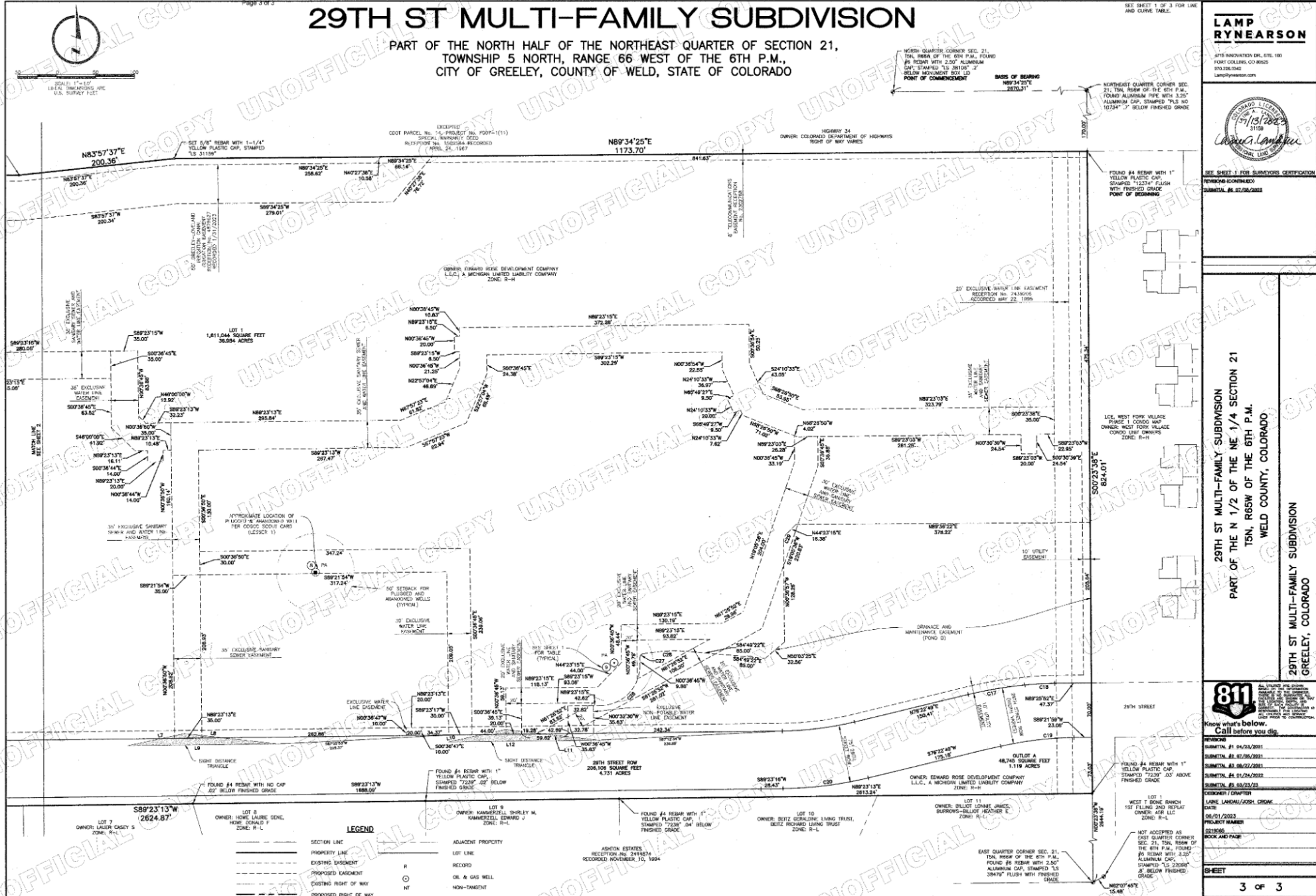
OWNER: EDWARD ROSE DEVELOPMENT COMPANY
L.L.C. A MICRON LIMITED LIABILITY COMPANY
ZONE: R-1

OWNER: EDWARD ROSE DEVELOPMENT COMPANY
L.L.C. A MICRON LIMITED LIABILITY COMPANY
ZONE: R-1

OWNER: EDWARD ROSE DEVELOPMENT COMPANY
L.L.C. A MICRON LIMITED LIABILITY COMPANY
ZONE: R-1

OWNER: EDWARD ROSE DEVELOPMENT COMPANY
L.L.C. A MICRON LIMITED LIABILITY COMPANY
ZONE: R-1

OWNER: EDWARD ROSE DEVELOPMENT COMPANY
L.L.C. A MICRON LIMITED LIABILITY COMPANY
ZONE: R-1



Cardinal Direction Drone Photos of the Land Use Change Area

Photo Dates:

10/30/2024

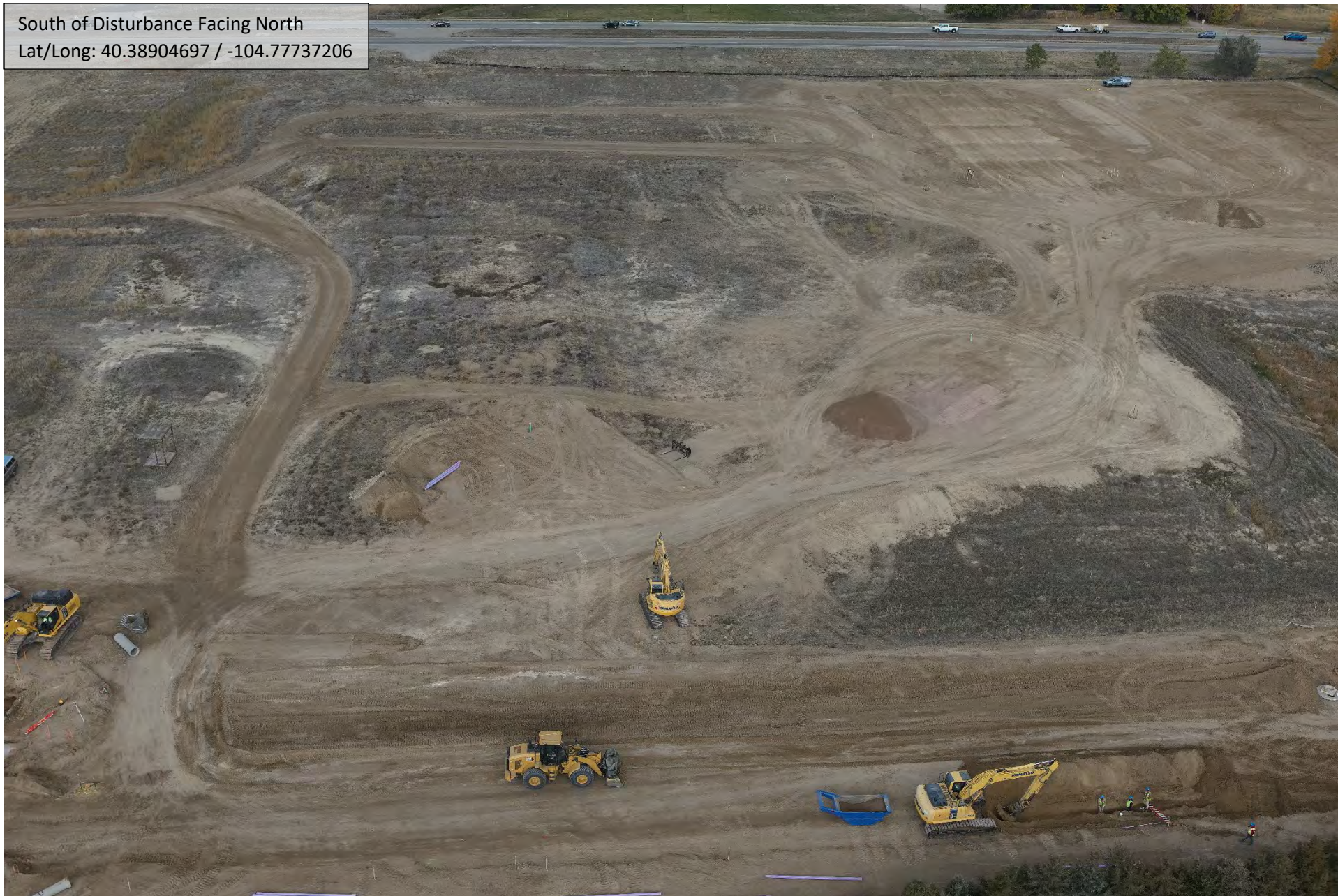
Drone Photo Height:

100'

North of Disturbance Facing South
Lat/Long: 40.39105914 / -104.77721922



South of Disturbance Facing North
Lat/Long: 40.38904697 / -104.77737206



East of Disturbance Facing West
Lat/Long: 40.39013642 / -104.77599611



West of Disturbance Facing East
Lat/Long: 40.39010717 / -104.77849153

