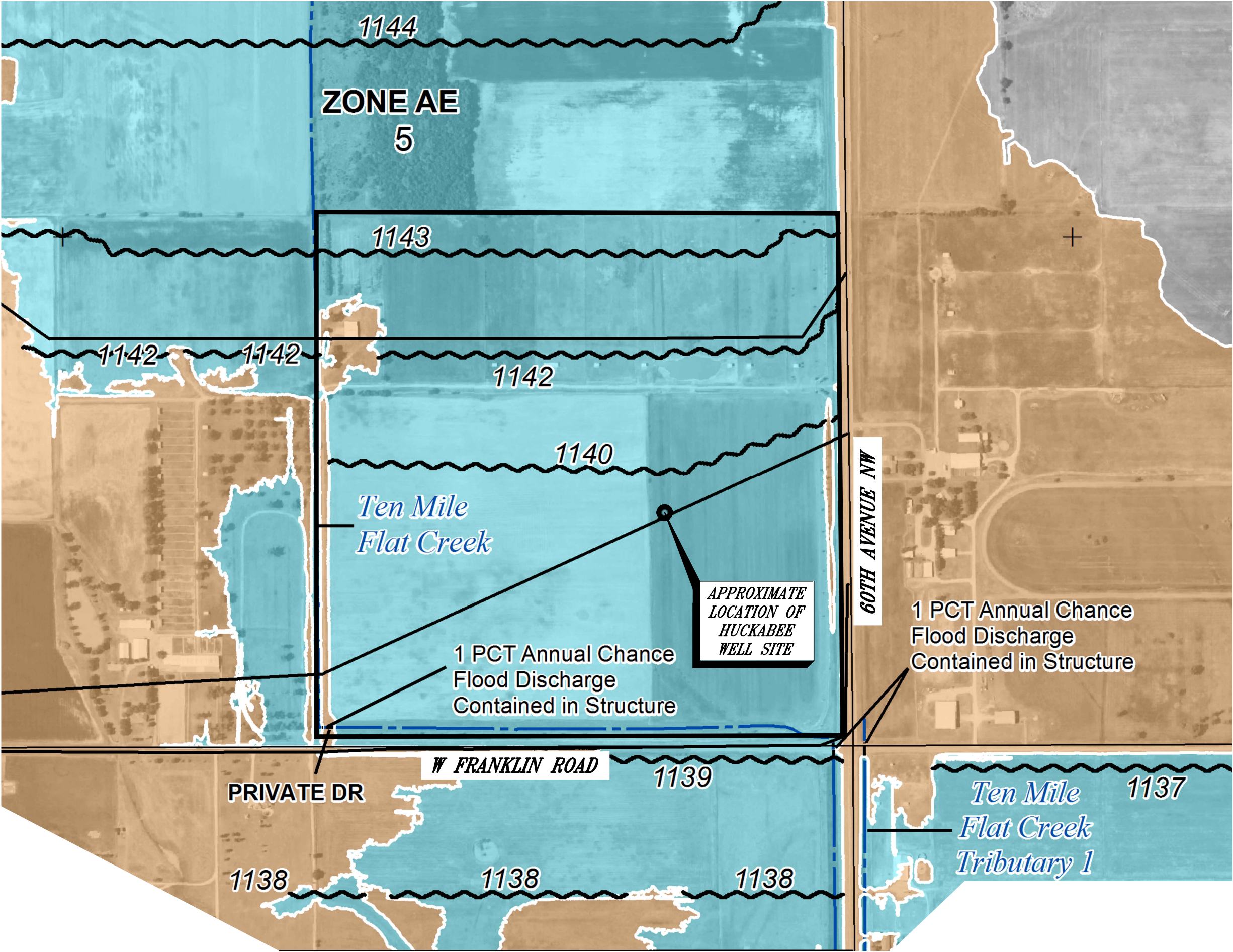


National Flood Hazard Layer FIRMette



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS

Without Base Flood Elevation (BFE)
Zone A, V, A99

With BFE or Depth *Zone AE, AO, AH, VE, AR*

Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*

Future Conditions 1% Annual Chance Flood Hazard *Zone X*

Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*

Area with Flood Risk due to Levee *Zone D*

OTHER AREAS

NO SCREEN

Area of Minimal Flood Hazard *Zone X*

Effective LOMRs

Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES

Channel, Culvert, or Storm Sewer

Levee, Dike, or Floodwall

OTHER FEATURES

20.2

17.5

8

513

Cross Sections with 1% Annual Chance Water Surface Elevation

Coastal Transect

Base Flood Elevation Line (BFE)

Limit of Study

Jurisdiction Boundary

Coastal Transect Baseline

Profile Baseline

Hydrographic Feature

MAP PANELS

Digital Data Available

No Digital Data Available

Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/12/2024 at 12:28 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



Your Civil Engineering Solution

Consulting Engineers, P.C.
815 West Main
Oklahoma City, OK 73106
405-232-7715
FAX 405-232-7859
www.smcokc.com

*Civil Engineering
Land Development
Storm Water Management*

Terence L. Haynes
Christopher D. Anderson
Muhammad A. Khan

February 5, 2025

Mr. Scott Sturtz, P.E., CFM
Floodplain Administrator
City of Norman

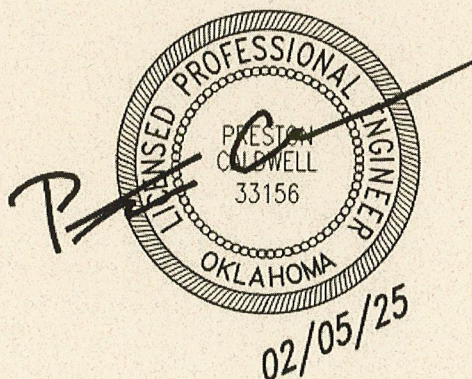
RE: No Rise Certification for
Huckabee Oil Well Project
Norman, Oklahoma
SMC #6598.00

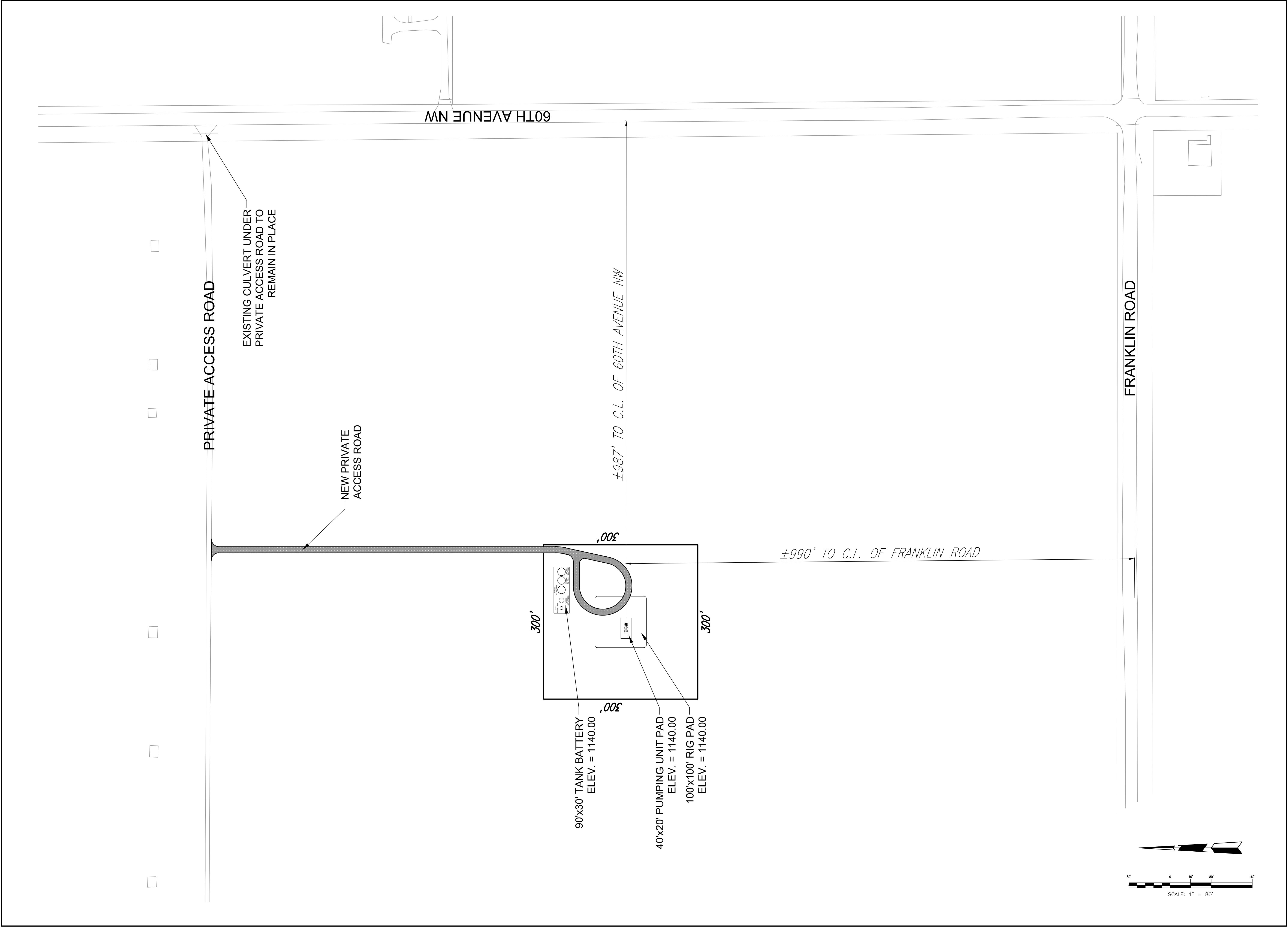
Dear Mr. Sturtz,

The proposed construction of the Huckabee Oil Well Project will be conducted in a way to where any select fill or crushed rock roadway material placed within the FEMA Effective Floodplain will be "mitigated" or "offset" by disposing and hauling off the excess material in accordance with local, state, and federal regulations. It is estimated that the project will require 550 cubic yards of crushed rock material; in turn, it is estimated that 824 cubic yards will be exported from the project site to provide adequate compensatory storage. For additional information, please refer to the attached Exhibit 1: Site Plan and Exhibit 2: Grading Plan & Earthwork Analysis. Furthermore, there will be no rise in the base flood elevation (BFE) or adverse impact will occur on the property or any adjacent properties, upstream or downstream.

Sincerely,
SMC Consulting Engineers, P.C.

Preston Caldwell, P.E.





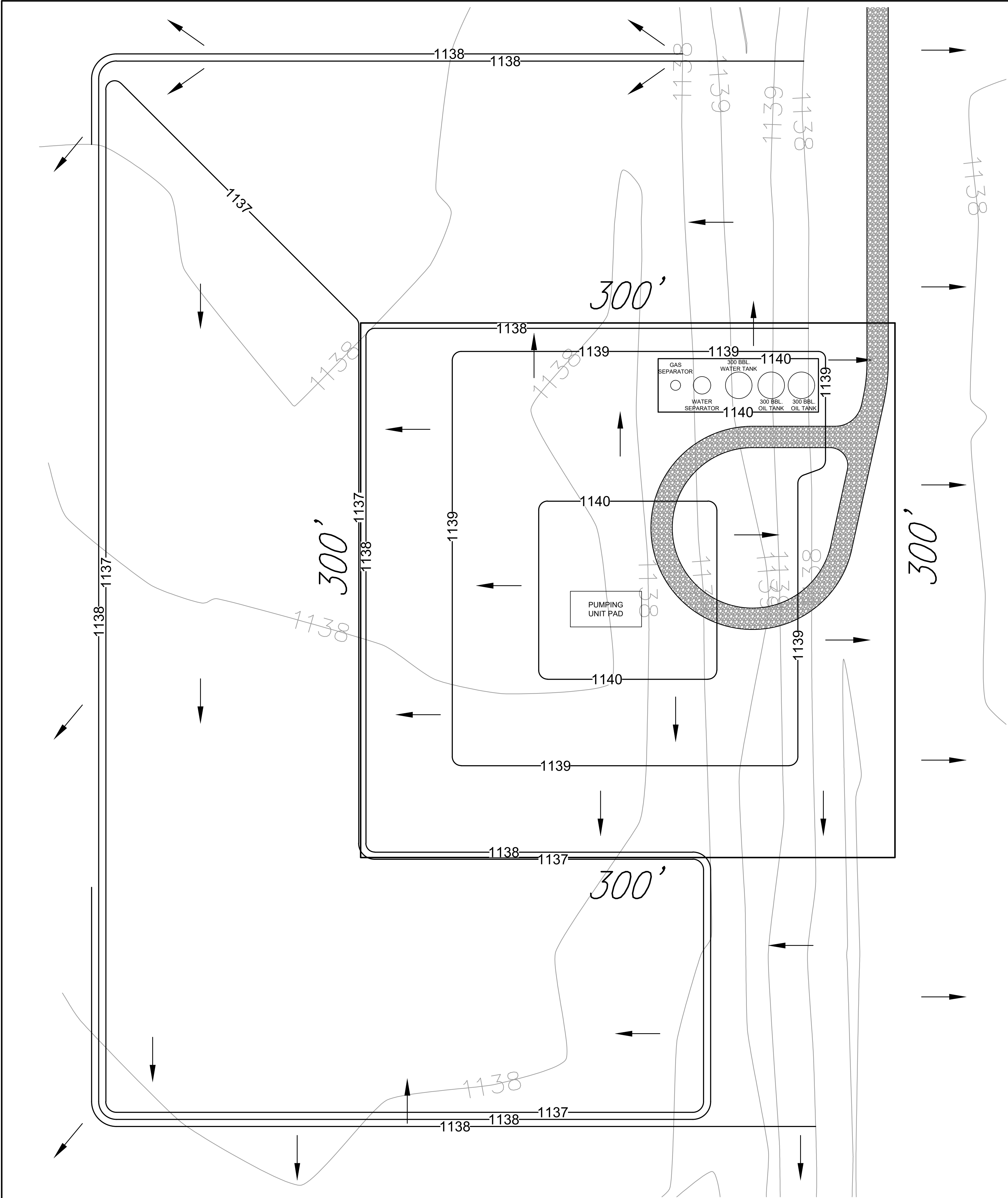
HUCKABEE PROJECT

FRANKLIN ROAD & 60TH AVE. NW
NORMAN, OKLAHOMA

SMC
SMC Consulting Engineers, P.C.
815 North Lincoln Street, Suite 200
Norman, Oklahoma 73069
PH: 405-252-7715 Fax: 405-232-7589
Website: www.smcokc.com

No.	Revision	By	Date

PROJECT NO.: 6598.00
DATE: 01/27/25
SCALE: 1"=80'
DRAWN BY: PMC
ENGINEER: PRESTON CALDWELL, P.E.
P.E. NUMBER: 33156



EARTHWORK ANALYSIS REPORT

Volumes by Triangulation (Prisms) Mon Jan 27 14:49:06 2025
Existing Surface: N:\DWGS\6598 - Huckabee Project - Floodplain App\EXISTING GRAD
Final Surface: N:\DWGS\6598 - Huckabee Project - Floodplain App\PROPOSED GRADE

Cut volume: 4,542.42 C.Y.
Fill volume: 3,718.35 C.Y.
Bank Fill Volume: 3,233.34 C.Y.

Area in Cut : 140,706.1 S.F.
Area in Fill: 73,691.9 S.F.
Area exactly in daylight: 12,937.3 S.F.
Total inclusion area: 227,335.2 S.F.

Average Cut Depth: 0.87 feet
Average Fill Depth: 1.18 feet
Cut to Fill ratio: 1.22
Export Volume: 824.1 C.Y.
Elevation Change To Reach Balance: 0.098
Volume Change Per .1 ft: 842.0 C.Y.

Cut Swell Factor : 1.000
Fill Shrink Factor: 1.150
Cut (C.Y.) / Area (acres): 870.38
Fill (C.Y.) / Area (acres): 712.48

Max Cut: 1.000 at 2117935.444,708256.587
Max Fill: 2.000 at 2117948.189,708437.800

Page 1 of 1

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HUCKABEE PROJECT

FRANKLIN ROAD & 60TH AVE. NW
NORMAN, OKLAHOMA

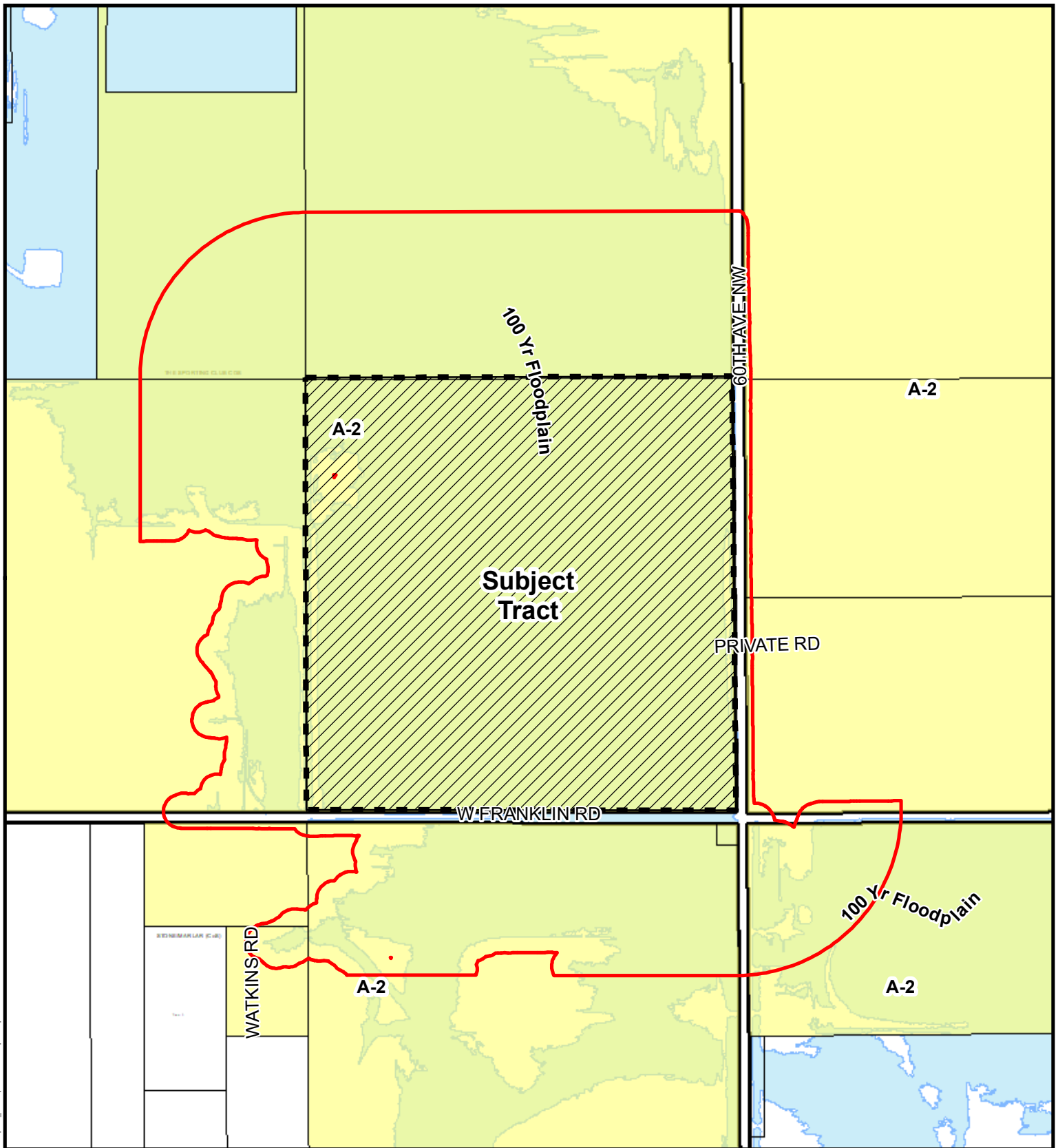
SMC
SMC Consulting Engineers, P.C.
615 North Lincoln Street, Suite 200
Norman, Oklahoma 73069
PH: 405-232-7718 Fax: 405-232-7689
Website: www.smcc.com
OKMMA CERTIFICATE OF AUTHORIZATION NO. 464 EPR 06/20/2025

No.	Revision	By	Date

PROJECT NO.: 6598.00
DATE: 01/27/25
SCALE: 1"=30'
DRAWN BY: PMC
ENGINEER: PRESTON CALDWELL, P.E.
P.E. NUMBER: 33156

GRADING PLAN &
EARTHWORK ANALYSIS

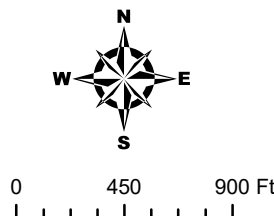
SHEET NO.
EXHIBIT 2



Floodplain Permit Notification Map

Map Produced by the City of Norman
Geographic Information System.
The City of Norman assumes no
responsibility for errors or omissions
in the information presented.

1000ft. Radius
September 19, 2024



-  Subject Tract
-  Radius
-  Zoning
-  Parcels
-  Notification Area

HUCKABEE, G O & ANNA J-LIV TRT
CO-TRTEES
1616 SW 113TH PL
OKLAHOMA CITY OK 73170

D & D PROPERTIES, LLC
2601 Pioneer LN
Moore OK 73160-4117

ROSTAM VALLEY FARM, LLC
PO Box 3025
Oklahoma City OK 73101-3025

ROSTAM VALLEY FARM, LLC
PO Box 3025
Oklahoma City OK 73101-3025

CITY OF NORMAN
PO Box 370
Norman OK 73070-0370

CITY OF NORMAN
330 W Gray ST
Norman OK 73069-7129

RAVEN INVESTMENTS, LLC
PO Box 7187
Moore OK 73153-1187

RAVEN INVESTMENTS, LLC
PO Box 7187
Moore OK 73153-1187

RAVEN INVESTMENTS, LLC
PO Box 7187
Moore OK 73153-1187

FARLEY FAM-REV-TRT
1814 Saddleback BLVD
Norman OK 73072-2842

JORDAN, BRENT R & TERI R
6600 W Franklin RD
Norman OK 73072-1202

6804 W INDIAN HILLS RD, LLC
5501 W TECUMSEH
NORMAN OK 73072

HUCKABEE, GLENN D & NORMA JO-LIV
TRT
1616 SW 113th PL
Oklahoma City OK 73170-4474

HUCKABEE, G O & ANNA J-LIV TRT
CO-TRTEES
1616 SW 113TH PL
OKLAHOMA CITY OK 73170

WESTERMIER, GREGORY
20501 E Waterloo RD
Luther OK 73054-8160



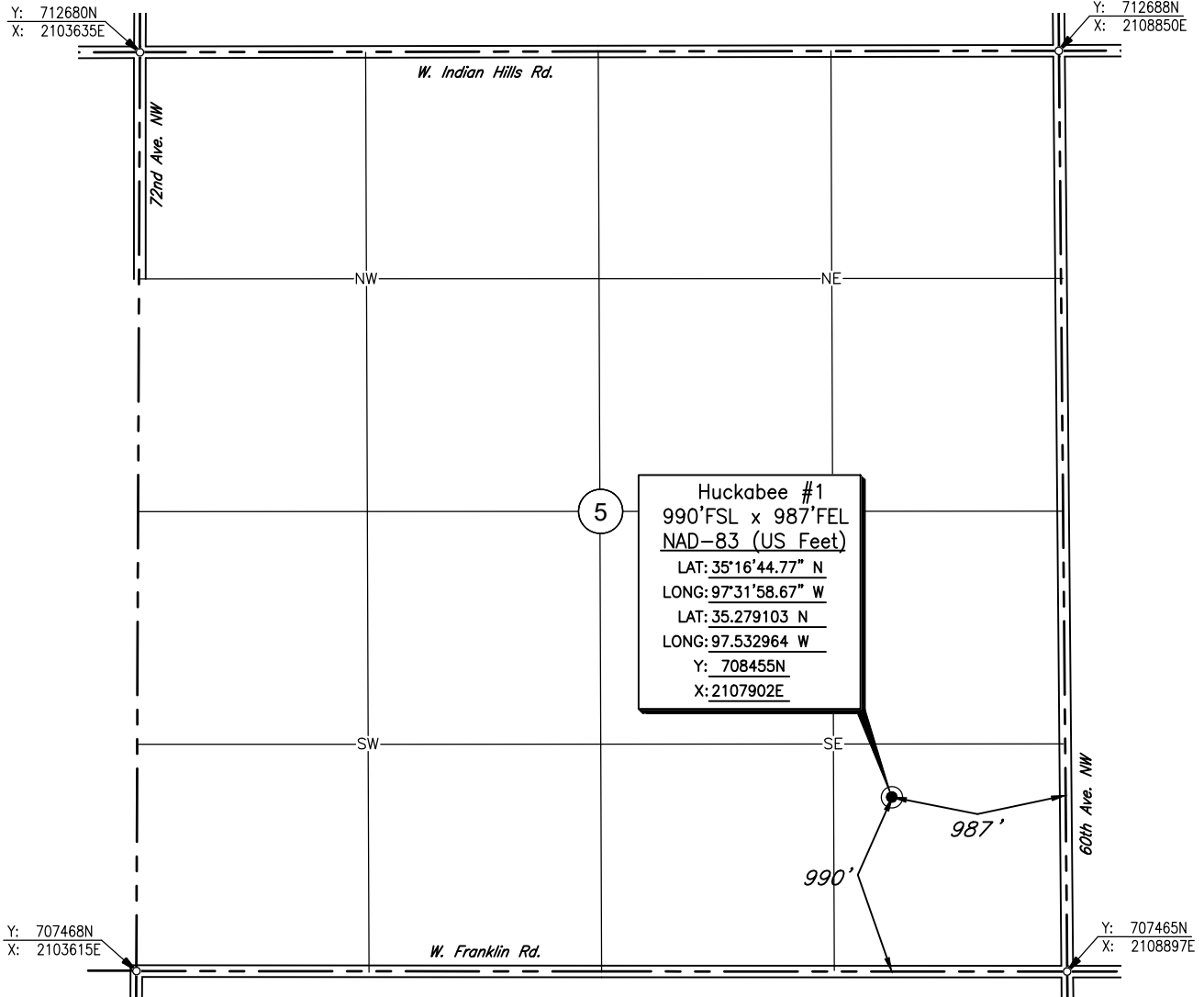
CIMARRON[®]
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C.A. No. 1780 Expires June 30, 2026

1530 SW 89th STREET, Bldg. C3
OKLAHOMA City, OK
(405) 692-7348
cimsurvey.com

CLEVELAND

County, Oklahoma

990'FSL – 987'FEL Section 5 Township 9N Range 3W I.M.



Scale: 1"= 1000'

Date Staked: September 24, 2024

GPS Observation: Latitude 35°16'44.77" N
Longitude 97°31'58.67" W
Latitude 35.279103 N
Longitude 97.532964 W

State Plane NAD83 Y: 708455N
Oklahoma South Zone: X:2107902E

Operator: Encore Operating

Elevation: 1138'

Lease Name: Huckabee

Well No.: #1

Topography & Vegetation: Pasture

Alternate Location Stakes Set: No

Good Drill Site? Yes

Best Accessibility to Location: From the East Line

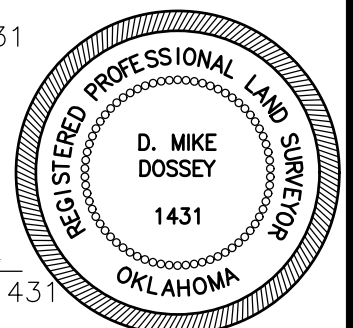
Distance & Direction

from Hwy Jct or Town: From the Intersection of I-35 and W Tecumseh Rd.; Thence

West approx. 2.5 miles; Thence North approx. 1 mile to the SE corner of Section 5.

SURVEYOR'S CERTIFICATE:

I, D. MIKE DOSSEY, Registered Professional Land Surveyor, No. 1431 do hereby certify that the above described well location was carefully staked on the ground as shown and that all ties and distances shown are from existing lines of occupation.



JOB NO.: 2414200				
DATE: 10/02/24				
DRAWN BY: B.M.J.	NO.	REVISION	DATE	BY

D. MIKE DOSSEY R.P.L.S. # 1431
Date Signed: 10/02/2024



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CIMSURVEY.COM

CLEVELAND

County, Oklahoma

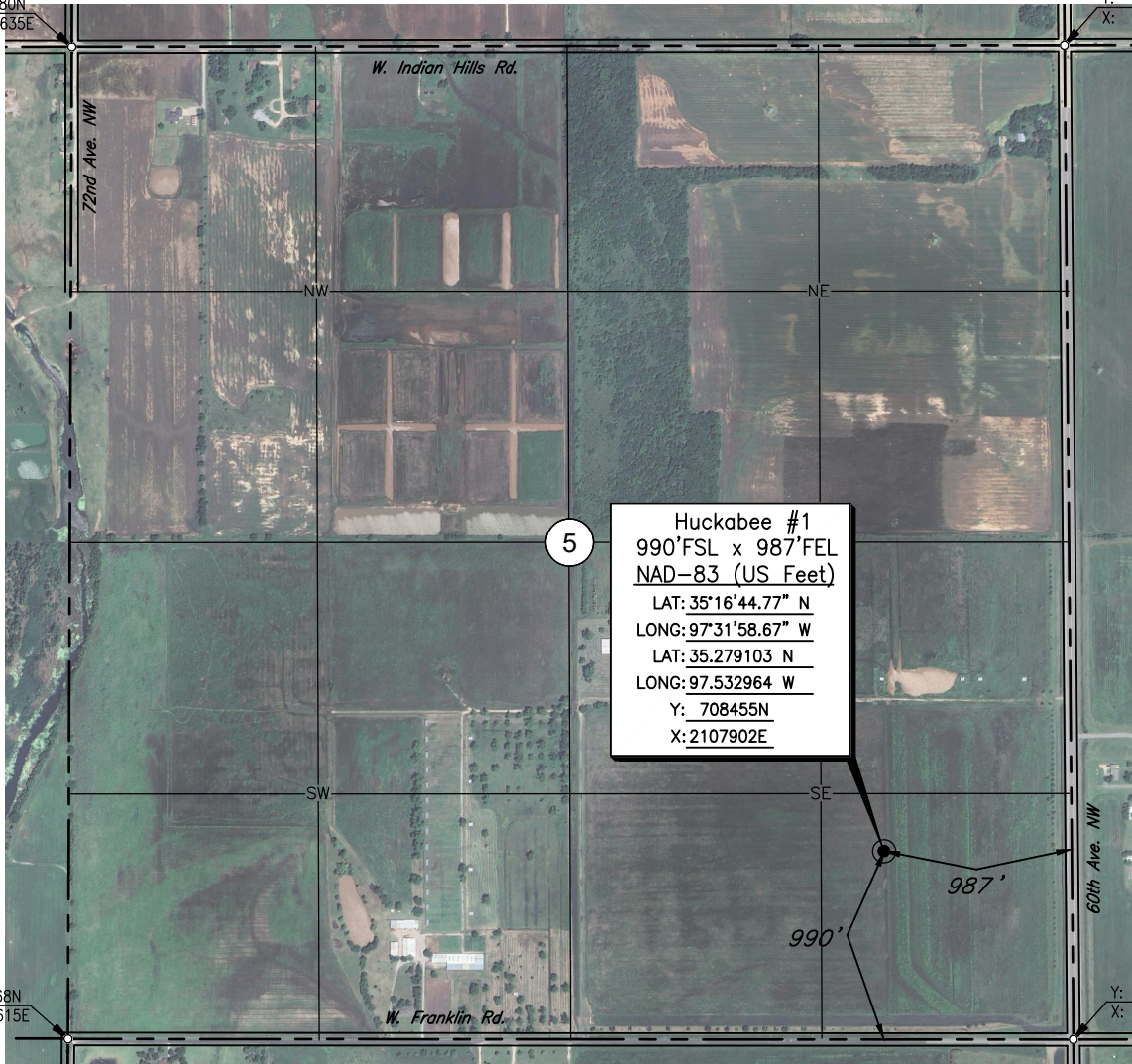
990'FSL – 987'FEL Section 5 Township 9N Range 3W I.M.

Y: 712680N
X: 2103635E

Y: 712688N
X: 2108850E

Y: 707468N
X: 2103615E

Y: 707465N
X: 2108897E



Scale: 1"= 1000'

Date Staked: September 24, 2024

GPS Observation: Latitude 35°16'44.77" N
Longitude 97°31'58.67" W
Latitude 35.279103 N
Longitude 97.532964 W

State Plane NAD83 Y: 708455N
Oklahoma South Zone: X:2107902E

Operator: Encore Operating

Elevation: 1138'

Lease Name: Huckabee

Well No.: #1

Topography & Vegetation: Pasture

Alternate Location Stakes Set: No

Good Drill Site? Yes

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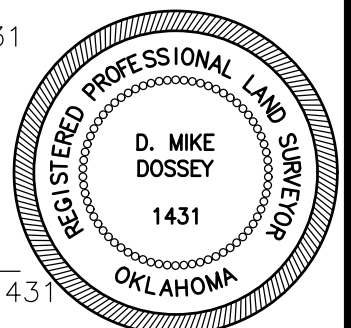
Distance & Direction

from Hwy Jct or Town: From the Intersection of I-35 and W Tecumseh Rd.; Thence

West approx. 2.5 miles; Thence North approx. 1 mile to the SE corner of Section 5.

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DATE: 10/02/24				
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D. MIKE DOSSEY R.P.L.S. # 1431
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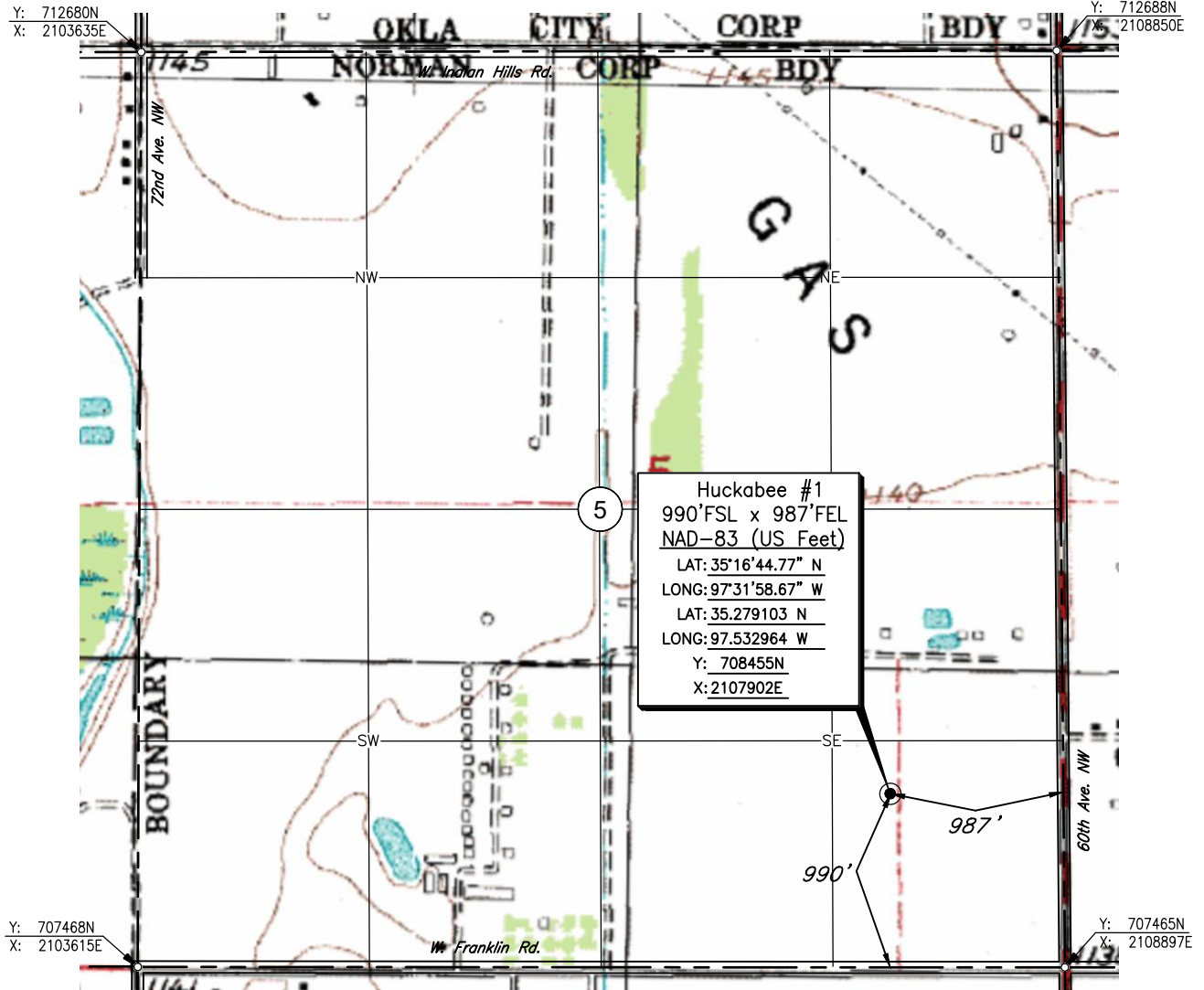
CLEVELAND

County, Oklahoma

990'FSL - 987'FEL Section 5 Township 9N Range 3W I.M.

Y: 712680N
X: 2103635E

Y: 712688N
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Elevation: 1138'

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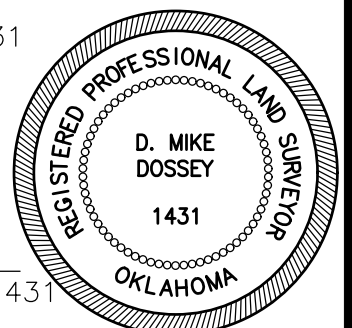
Alternate Location Stakes Set: No Good Drill Site? Yes

Best Accessibility to Location: From the East Line

Distance & Direction
from Hwy Jct or Town: From the Intersection of I-35 and W Tecumseh Rd.; Thence
West approx. 2.5 miles; Thence North approx. 1 mile to the SE corner of Section 5.

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distances shown are from existing lines of occupation.



JOB NO.: 2414200				
DATE: 10/02/24				
DRAWN BY: B.M.J.	NO.	REVISION	DATE	BY

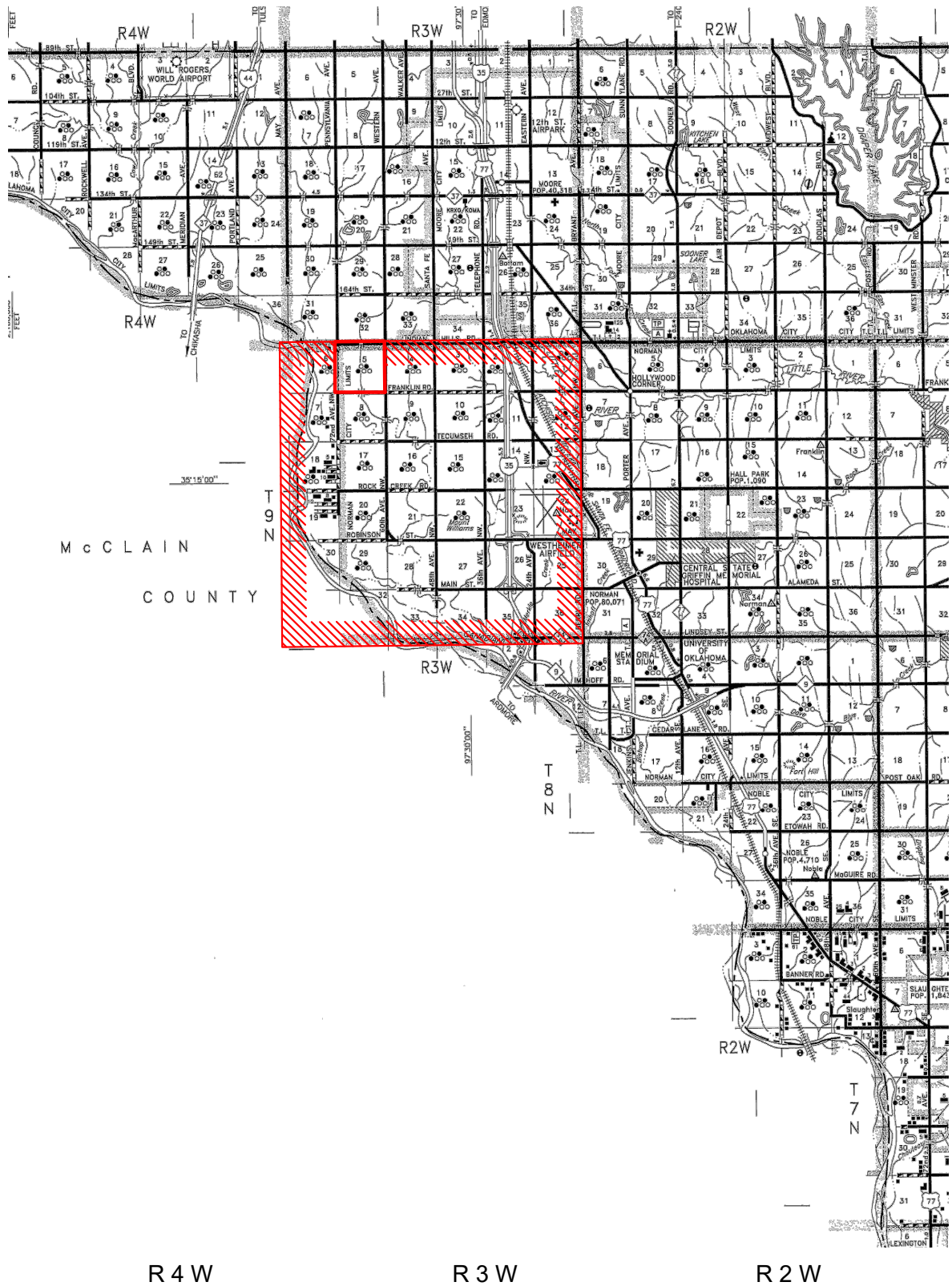
D. MIKE DOSSEY R.P.L.S. # 1431
Date Signed: 10/02/2024

T
10
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N



VICINITY MAP FOR
SECTION 5, T9N - R3W
CLEVELAND COUNTY, OKLAHOMA

NO.	REVISION	DATE	BY
SURVEYED BY:		D.D.	
DRAWN BY:		B.M.J.	
APPROVED BY:		D.M.D.	



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CA No. 1780 Expires June 30, 2026

1530 SW 89th STREET, Bldg. C3
Oklahoma City, OK
(405) 692-7348
WWW.CIMSURVEY.COM

SCALE: 1" = 3 Miles

DATE: 10/02/24

JOB NO.: 2414200

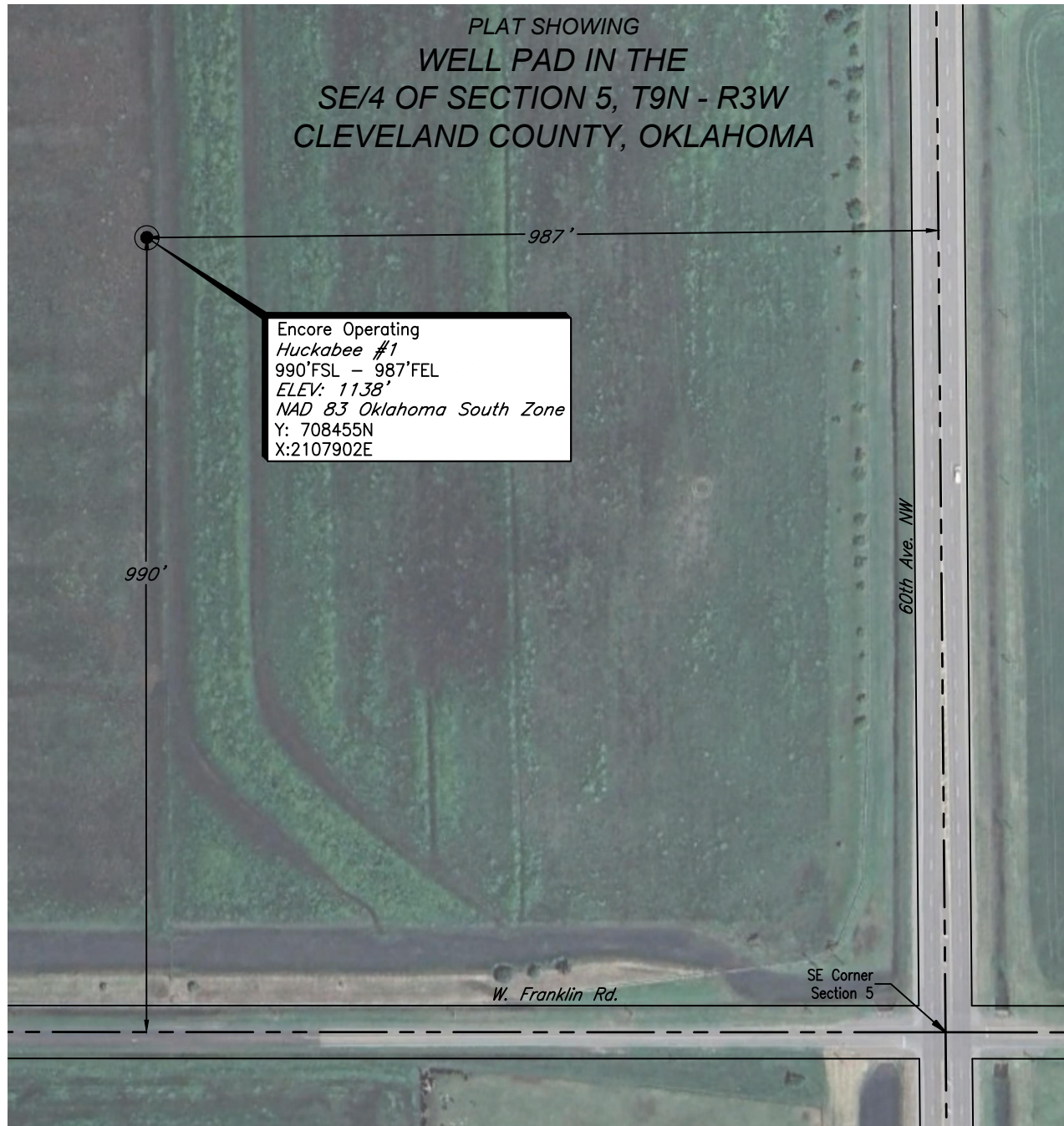
DWG. NO.: 2414.200_VMAP

AFE. NO:

SHEET 1 OF 1

T 9 N - R 3 W

PLAT SHOWING
WELL PAD IN THE
SE/4 OF SECTION 5, T9N - R3W
CLEVELAND COUNTY, OKLAHOMA



NOTES:

- This drawing is for the purpose of depicting a pad area and does not represent a boundary survey.

				ENCORE OPERATING	SCALE:	1"=200'
					DATE:	10/02/24
NO.	REVISION	DATE	BY		JOB NO.:	2414200
SURVEYED BY: D.D.					DWG. NO.:	2414.200_PAD
DRAWN BY: B.M.J.					AFE. NO:	
APPROVED BY: D.M.D.				 CIMARRON. SURVEYING & MAPPING CO. C.A. No. 1780 Expires June 30, 2026	1530 SW 89th STREET, Bldg. C3 OKLAHOMA City, OK (405) 692-7348 www.CIVISURVEY.COM	SHEET 1 OF 1