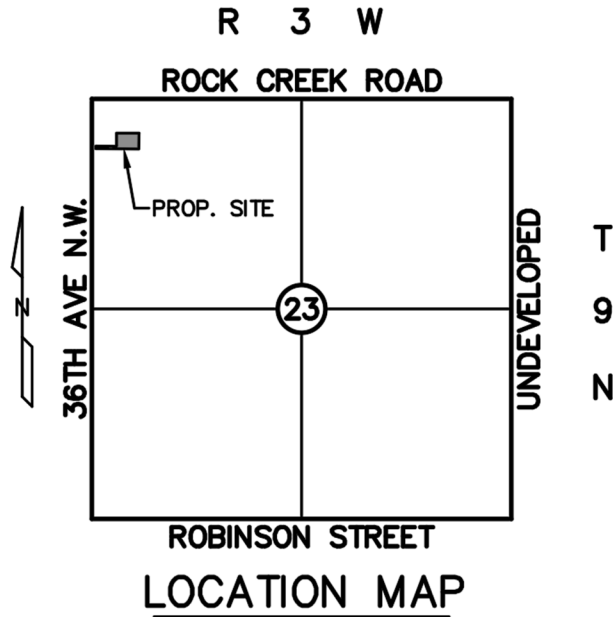


2281 Hampton Homes

No-Rise Certification



2281 36th Avenue NW
Norman, Oklahoma

March 6, 2025



TABLE OF CONTENTS

REPORT SUMMARY

NO-RISE CERTIFICATION.....1

APPENDIX

SITE MAPS

- *FEMA FLOODWAY MAP*
- *FEMA FLOODWAY TABLE*
- *FEMA FLOODWAY PROFILE*
- *GRADING PLAN*



RUBBS CONSULTING, LLC

CIVIL ENGINEERING & LAND PLANNING

1800 S. Sara Road
Yukon, OK 73099
Phone: (405) 265-0641
Fax: (405) 265-0649

NO-RISE CERTIFICATION

I, Mark Grubbs, a licensed Professional Engineer in the State of Oklahoma, hereby certify that the work being performed at the location of 2281 36th Avenue NW, Norman, OK 73072, within the FEMA-designated 100-year floodplain, will not result in any adverse impacts or cause a rise of no greater than 0.05 feet in the base flood elevation (BFE).

The work being conducted in the floodplain is minimal in nature and consists of grading, the installation of a private storm sewer outlet structure, and the construction of 2 (two) proposed flumes to properly drain the parking lot. In addition, erosion protection will be installed around the outlet structure and flumes to prevent any erosion. All site grading and newly constructed improvements will be installed west of the existing channel with no grading improvements (cut or fill) being made existing channel/floodplain.

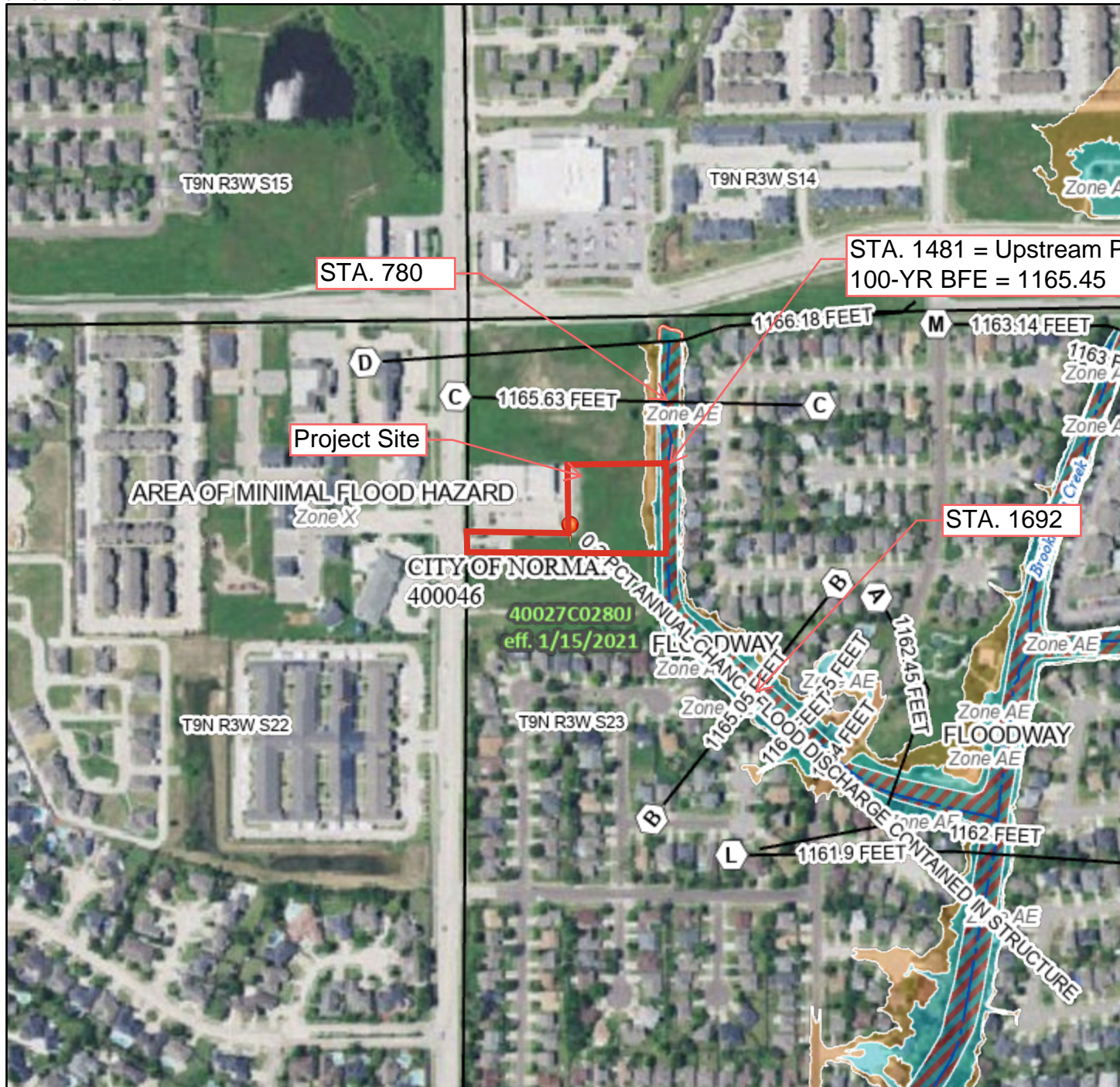
Interpolation was used to determine the base flood elevation (BFE) at the upstream property line. The finished floor elevation for the project is proposed to be 1171.75 feet, which is well above the interpolated 100-year BFE of 1165.45 feet. Based on the analysis of the minimal grading and drainage improvements, we conclude that the proposed work will not cause any increase in water surface elevation during a 100-year flood event.

This certification is based on the information available to us, and we affirm that no fill or other significant modifications are proposed that would alter the existing hydrology of the floodplain. The proposed drainage infrastructure, along with erosion protection measures, will ensure that no adverse impact occurs on floodplain conveyance or surrounding properties.

National Flood Hazard Layer FIRMette



97°29'54"W 35°14'59"N



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

	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

	NO SCREEN Area of Minimal Flood Hazard Zone X
	Effective LOMRs
	Area of Undetermined Flood Hazard Zone D

OTHER AREAS	GENERAL STRUCTURES
	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall

	20.2 Cross Sections with 1% Annual Chance
	17.5 Water Surface Elevation
	Coastal Transect
	Base Flood Elevation Line (BFE)
	Limit of Study
	Jurisdiction Boundary
	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature

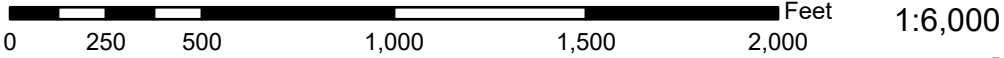
OTHER FEATURES	MAP PANELS
	Digital Data Available
	No Digital Data Available
	Unmapped

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 12/3/2024 at 3:35 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.



FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD 88)	WITHOUT FLOODWAY (FEET NAVD 88)	WITH FLOODWAY (FEET NAVD 88)	INCREASE
Brookhaven Creek Tributary A								
A	301	60	397	3.9	1,162.5	1,162.5	1,163.0	0.5
B	780	78	628	2.3	1,165.1	1,165.1	1,165.9	0.8
C	1,692	56	300	4.8	1,165.6	1,165.6	1,166.3	0.7
D	1,858	54	252	5.7	1,166.2	1,166.2	1,166.7	0.5
Brookhaven Creek Tributary B								
A	321	76	339	1.1	1,162.7	1,162.7	1,163.2	0.5
B	587	44	125	3.1	1,162.7	1,162.7	1,163.2	0.5
C	575	22	46	8.3	1,165.8	1,165.8	1,165.8	0.0

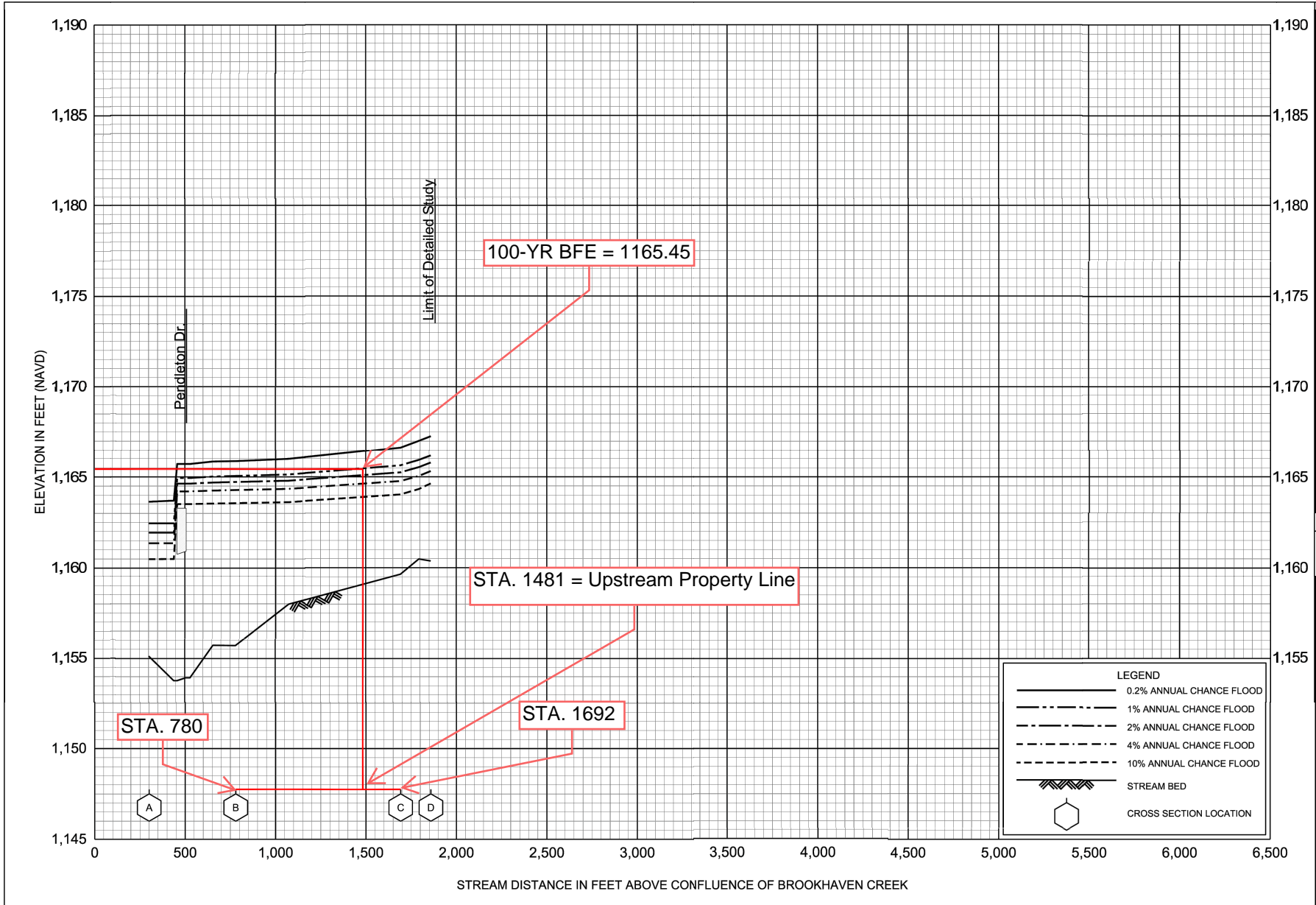
¹ Feet above confluence with Brookhaven Creek

TABLE 7

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLEVELAND COUNTY, OK
 AND INCORPORATED AREAS

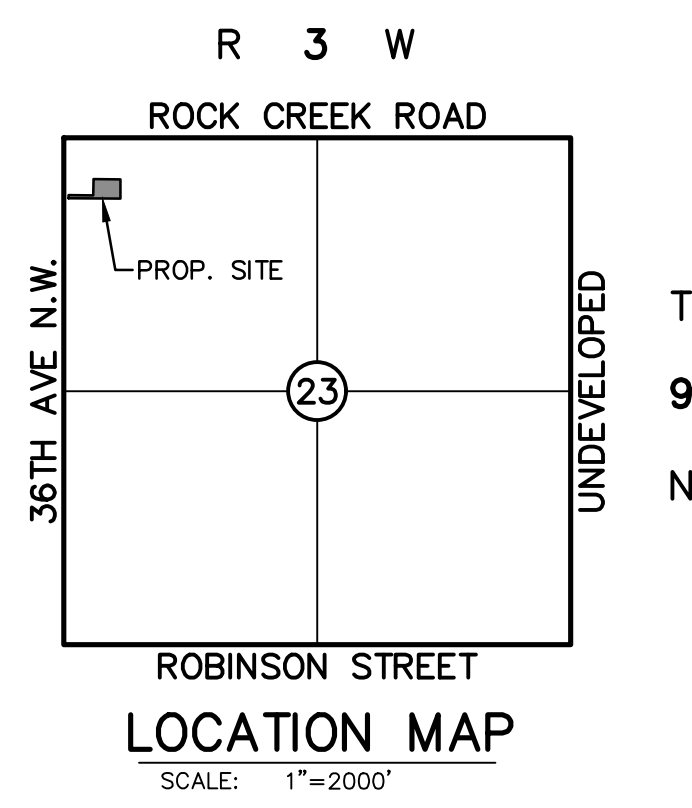
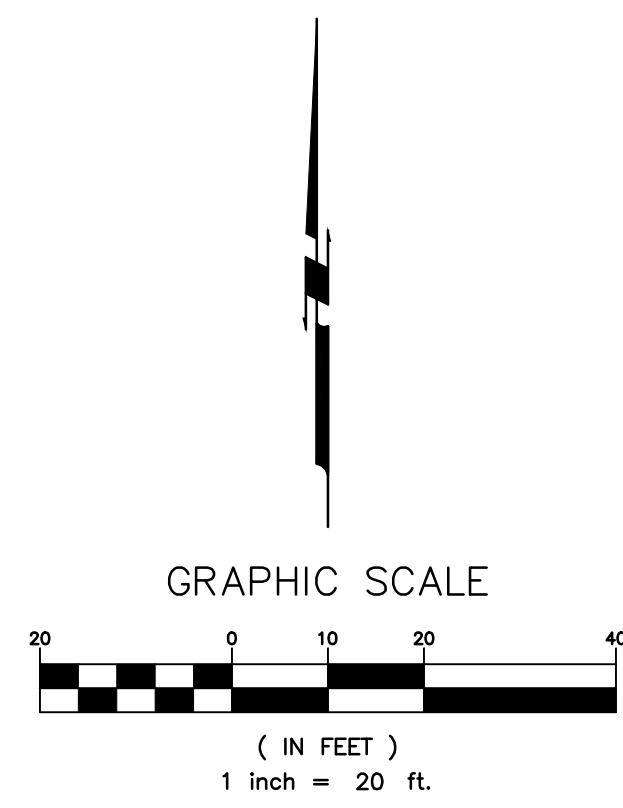
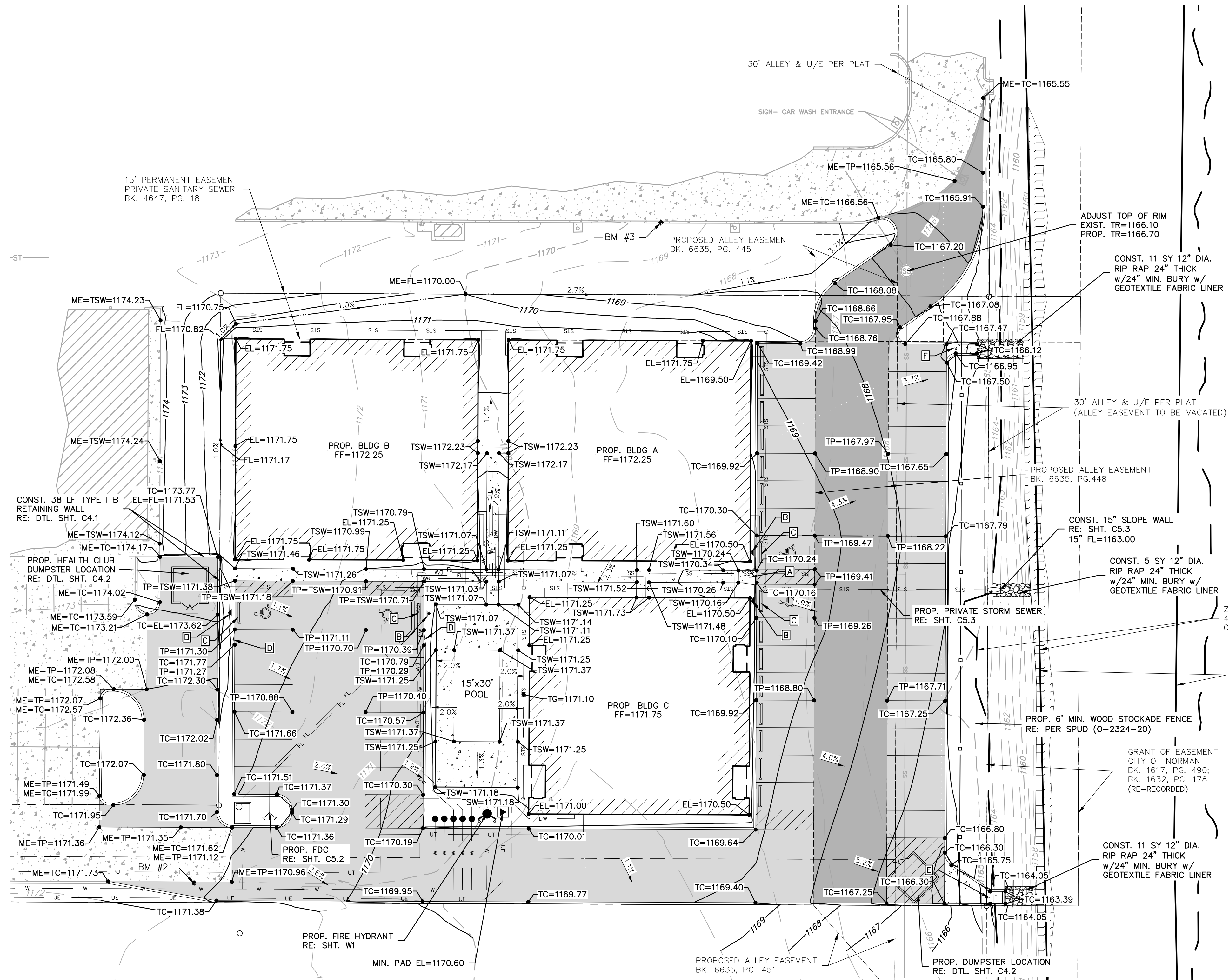
FLOODWAY DATA

**BROOKHAVEN CREEK TRIBUTARY A /
 BROOKHAVEN CREEK TRIBUTARY B**



FLOOD PROFILES
BROOKHAVEN TRIBUTARY A

FEDERAL EMERGENCY MANAGEMENT AGENCY
CLEVELAND COUNTY, OK
 AND INCORPORATED AREAS



GRADING LEGEND

TC	TOP OF CURB ELEVATION
TP	TOP OF PAVING ELEVATION
ME	MATCH EXISTING ELEVATION
TG	TOP OF GRATE ELEVATION
TR	MANHOLE TOP RIM ELEVATION
FL	FLOWLINE ELEVATION
TW	TOP OF WALL ELEVATION
TSW	TOP OF SIDEWALK ELEVATION
TB	TOP OF BANK ELEVATION
EL	TOP OF GROUND ELEVATION
TS	TOP OF STOOD ELEVATION
---	FLOW LINE
---	RIDGELINE
---	DIRECTIONAL FLOW ARROW
---	EXISTING CONTOUR
---	PROPOSED CONTOUR
---	STANDARD DUTY PAVING (SEE PAVEMENT SECTION)
---	ALLEY STANDARD PAVING (SEE PAVEMENT SECTION)
---	CONCRETE PAVING OR SIDEWALK

NOTE: NOT ALL SYMBOLS MAY BE SHOWN ON THIS PLAN.

- KEY NOTE**
- A PROP. HC CURB RAMP RE: DTL. SHT. C4.1
 - B PROP. HC SIGN RE: DTL. SHT. C4.1
 - C PROP. WHEEL STOP RE: DTL. SHT. C4.1
 - D TAPER CURB 0-6" OVER 5'
 - E CONST. 4'-WIDE FLUME RE: DTL. SHT. C4.1
 - F CONST. 3'-WIDE FLUME RE: DTL. SHT. C4.1

NOTE: CONTRACTOR TO REMOVE ANY SPOILS EXCAVATED FROM THE FLOODPLAIN.



ORIGINAL BENCHMARK #
 THE CITY OF NORMAN GPS REFERENCE STATION NO. 331, LOCATED ±25.6' NORTH AND ±70.5' EAST OF THE INTERSECTION OF THE C OF ROCK CREEK ROAD AND THE C OF GRANDVIEW AVENUE.
 ELEVATION = 1192.92 FEET (NAVD-88 DATUM)

ONSITE BENCHMARK #1
 TOP NUT OF FIRE HYDRANT ON THE EAST SIDE OF 36TH AVENUE N.W., LOCATED ±577 FEET SOUTH & ±42 FEET EAST OF THE INTERSECTION OF THE C OF 36TH AVENUE N.W. & THE C OF WEST ROCK CREEK ROAD.
 ELEVATION = 1178.53 FEET (NAVD-88 DATUM)

ONSITE BENCHMARK #2
 SET CUT "X" IN TOP OF CURB ON THE SOUTH SIDE OF THE PROJECT AREA, LOCATED ±624 FEET SOUTH & ±298 FEET EAST OF THE INTERSECTION OF THE C OF 36TH AVENUE N.W. & THE C OF WEST ROCK CREEK ROAD.
 ELEVATION = 1171.48 FEET (NAVD-88 DATUM)

ONSITE BENCHMARK #3
 SET CUT "X" IN TOP OF CURB ON THE NORTH SIDE OF THE PROJECT AREA, LOCATED ±451 FEET SOUTH & ±407 FEET EAST OF THE INTERSECTION OF THE C OF 36TH AVENUE N.W. & THE C OF WEST ROCK CREEK ROAD.
 ELEVATION = 1178.66 FEET (NAVD-88 DATUM)

RUBBS CONSULTING, LLC
 CIVIL ENGINEERING & LAND PLANNING
 1800 N. W. 73RD ST.
 YUKON, OK 73099
 Phone: (405) 265-0641
 Fax: (405) 265-0649
 GRUBBS CONSULTING, LLC CERTIFICATE OF AUTHORIZATION NO. CA 5115 EXPI. 09/30/26



2281 HAMPTON HOMES
 2281 36TH AVE NW
 NORMAN, OK
PAVING & GRADING PLAN

NO.	REVISIONS	DESCRIPTION	DATE

Proj. No.: 23-042
 Date: 3/2/2025
 Scale: (Horiz.) 1"=20'
 (Vert.) N/A
 Drawn By: [Signature]
 Checked By: [Signature]
 Approved By: [Signature]

SHEET NUMBER
C4.0

