



City of Norman

Floodplain Permit Application

Floodplain Permit No. _____

Building Permit No. _____

Date January 18, 2023

FLOODPLAIN PERMIT APPLICATION (\$100.00 Application Fee Required)

SECTION 1: GENERAL PROVISIONS (APPLICANT to read and sign):

1. No work may start until a permit is issued.
2. The permit may be revoked if any false statements are made herein.
3. If revoked, all work must cease until permit is re-issued.
4. Development shall not be used or occupied until a Certificate of Occupancy is issued.
5. The permit will expire if no work is commenced within 2 years of issuance.
6. Applicant is hereby informed that other permits may be required to fulfill local, state and federal regulatory requirements and must be included with this floodplain permit application.
7. Applicant hereby gives consent to the City of Norman or his/her representative to access the property to make reasonable inspections required to verify compliance.
8. The following floodplain modifications require approval by the City Council:
 - (a) A modification of the floodplain that results in a change of ten percent (10%) or more in the width of the floodplain.
 - (b) The construction of a pond with a water surface area of 5 acres or more.
 - (c) Any modifications of the stream banks or flow line within the area that would be regulatory floodway whether or not that channel has a regulatory floodplain, unless the work is being done by the City of Norman staff as part of a routine maintenance activity.
9. All supporting documentation required by this application is required along with the permit fee by the submittal deadline. Late or incomplete applications will not be accepted.
10. I, THE APPLICANT, CERTIFY THAT ALL STATEMENTS HEREIN AND IN ATTACHMENTS TO THIS APPLICATION ARE, TO THE BEST OF MY KNOWLEDGE, TRUE AND ACCURATE.

SECTION 2: PROPOSED DEVELOPMENT (To be completed by APPLICANT.)

APPLICANT: Plains All American Pipeline, LP ADDRESS: 333 Gay Street, Suite 1900, Houston, Texas 77002

TELEPHONE: 832 368 5895 SIGNATURE: *Pasha Jara*

BUILDER: _____ ADDRESS: _____

TELEPHONE: _____ SIGNATURE: _____

ENGINEER: Environmental Solutions & Innovations, Inc. ADDRESS: 1158 Dutilh Road, Mars, Pennsylvania 16046

TELEPHONE: 513.451.1777 SIGNATURE: *[Signature]*

PROJECT LOCATION

To avoid delay in processing the application, please provide enough information to easily identify the project location. Provide the street address, subdivision addition, lot number or legal description (attach) and, outside urban areas, the distance to the nearest intersecting road or well known landmark. A sketch attached to this application showing the project location would be helpful.

This project proposed the excavation of a portion of the existing Cushing to Hewitt 16" gas pipeline in order to repair a defect with the pipeline. The dig site is located approximately 0.42 miles west of the South Dobbs Road.

The ground disturbance within the FEMA 100-yr floodplain will be temporary to repair the pipe, and the disturbed area will be returned to existing conditions.

DESCRIPTION OF WORK (Check all applicable boxes):

A. STRUCTURAL DEVELOPMENT

ACTIVITY

STRUCTURE TYPE

☐ New Structure

☐ Residential (1-4 Family)

* Pipeline Repair

☐ Addition

☐ Residential (More than 4 Family)

☒ Alteration

☐ Non-Residential (Flood proofing? ☐ Yes)

☐ Relocation

☐ Combined Use (Residential & Commercial)

☐ Demolition

☐ Manufactured (Mobile) Home

☐ Replacement

☐ In Manufactured Home Park? ☐ Yes

ESTIMATED COST OF PROJECT \$ N/A Work that involves substantial damage/substantial improvement requires detailed cost estimates and an appraisal of the structure that is being improved.

B. OTHER DEVELOPMENT ACTIVITIES:

☐ Fill ☐ Mining ☐ Drilling ☐ Grading

☒ Excavation (Beyond the minimum for Structural Development)

* Pipeline Repair

☐ Watercourse Alteration (Including Dredging and Channel Modifications)

☐ Drainage Improvements (Including Culvert Work) ☐ Road, Street or Bridge Construction

☐ Subdivision (New or Expansion)

☐ Individual Water or Sewer System

In addition to items A. and B. provide a complete and detailed description of proposed work (failure to provide this item will be cause for the application to be rejected by staff). Attach additional sheets if necessary.

This project proposed the excavation of a portion of the existing Cushing to Hewitt 16" gas pipeline in order to repair a defect with the pipeline. The dig site is located approximately 0.42 miles west of the South Dobbs Road.

The ground disturbance within the FEMA 100-yr Floodplain will be temporary to repair the pipe, and the disturbed area will be returned to existing conditions.

C. ATTACHMENTS WHICH ARE REQUIRED WITH EVERY APPLICATION:

The applicant must submit the documents listed below before the application can be processed. If the requested document is not relevant to the project scope, please check the Not Applicable box and provide explanation.

- A. Plans drawn to scale showing the nature, location, dimensions, and elevation of the lot, existing or proposed structures, fill, storage of materials, flood proofing measures, and the relationship of the above to the location of the channel, floodway, and the regulatory flood-protection elevation.
- B. A typical valley cross-section showing the channel of the stream, elevation of land areas adjoining each side of the channel, cross-sectional areas to be occupied by the proposed development, and high-water information.

☒ Not Applicable:
Gas Utility Repair

- C. Subdivision or other development plans (If the subdivision or other developments exceeds 50 lots or 5 acres, whichever is the lesser, the applicant **must** provide 100-year flood elevations if they are not otherwise available).

☒ Not Applicable:
Gas Utility Repair

- D. Plans (surface view) showing elevations or contours of the ground; pertinent structure, fill, or storage elevations; size, location, and spatial arrangement of all proposed and existing structures on the site; location and elevations of streets, water supply, sanitary facilities; photographs showing existing land uses and vegetation upstream and downstream, soil types and other pertinent information.

☒ Not Applicable:
Gas Utility Repair

- E. A profile showing the slope of the bottom of the channel or flow line of the stream.

☒ Not Applicable:
Gas Utility Repair

- F. Elevation (in relation to mean sea level) of the lowest floor (including basement) of all new and substantially improved structures.

☒ Not Applicable:
Gas Utility Repair

- G. Description of the extent to which any watercourse or natural drainage will be altered or relocated as a result of proposed development.

☒ Not Applicable:
Gas Utility Repair

- H. For proposed development within any flood hazard area (except for those areas designated as regulatory floodways), certification that a rise of no more than five hundredths of a foot (0.05') will occur on any adjacent property in the base flood elevation as a result of the proposed work. For proposed development within a designated regulatory floodway, certification of no increase in flood levels within the community during the occurrence of the base flood discharge as a result of the proposed work. All certifications shall be signed and sealed by a Registered Professional Engineer licensed to practice in the State of Oklahoma.
- I. A certified list of names and addresses of all record property owners within a three hundred fifty (350) foot radius of the exterior boundary of the subject property not to exceed 100 feet laterally from the Special Flood Hazard Area. The radius to be extended by increments of one hundred (100) linear feet until the list of property owners includes not less than fifteen (15) individual property owners of separate parcels or until a maximum radius of one thousand (1,000) feet has been reached.
- J. A copy of all other applicable local, state, and federal permits (i.e. U.S. Army Corps of Engineers 404 permit, etc). * NO PERMANENT LAND DISTURBANCE WITHIN THE FLOOD PLAIN OR FLOODWAY

After completing SECTION 2, APPLICANT should submit form to Permit Staff for review.

SECTION 3: FLOODPLAIN DETERMINATION (To be completed by Permit Staff.)

The proposed development is located on FIRM Panel No.: 0335, Dated: September 26, 2008

The Proposed Development:

- ☐ Is NOT located in a Special Flood Hazard Area
(Notify the applicant that the application review is complete and NO FLOODPLAIN PERMIT IS REQUIRED).
- ☒ Is located in a Special Flood Hazard Area.
- ☒ The proposed development is located in a floodway. * Pipeline Repair
- ☒ 100-Year flood elevation at the site is ~980 Ft. NGVD (MSL) ☐ Unavailable

See Section 4 for additional instructions.

SIGNED: _____ **DATE:** January 18, 2023

SECTION 4: ADDITIONAL INFORMATION REQUIRED (To be completed by Permit Staff.)

The applicant must also submit the documents checked below before the application can be processed.

- ☐ Flood proofing protection level (non-residential only) _____ Ft. NGVD (MSL). For flood proofed structures applicant must attach certification from registered engineer.
- ☐ Certification from a registered engineer that the proposed activity in a regulatory floodway will not result in any increase in the height of the 100-year flood (Base Flood Elevation). A copy of all data and calculations supporting this finding must also be submitted.
- ☐ Certification from a registered engineer that the proposed activity in a regulatory flood plain will result in an increase of no more than 0.05 feet in the height of the 100-year flood (Base Flood Elevation). A copy of all data and calculations supporting this finding must also be submitted.
- ☐ All other applicable federal, state, and local permits have been obtained.

Other: _____

SECTION 5: PERMIT DETERMINATION (To be completed by Floodplain Chairman.)

The proposed activity: (A) ☐ **Is**; (B) ☐ **Is Not** in conformance with provisions of Norman's City Code Chapter 22, Section 429.1. The permit is issued subject to the conditions attached to and made part of this permit.

SIGNED: _____ DATE: _____

If BOX A is checked, the Floodplain committee chairman may issue a Floodplain Permit.

If BOX B is checked, the Floodplain committee chairman will provide a written summary of deficiencies. Applicant may revise and resubmit an application to the Floodplain committee or may request a hearing from the Board of Adjustment.

APPEALS: Appealed to Board of Adjustment: ☐ Yes ☐ No
Hearing date: _____

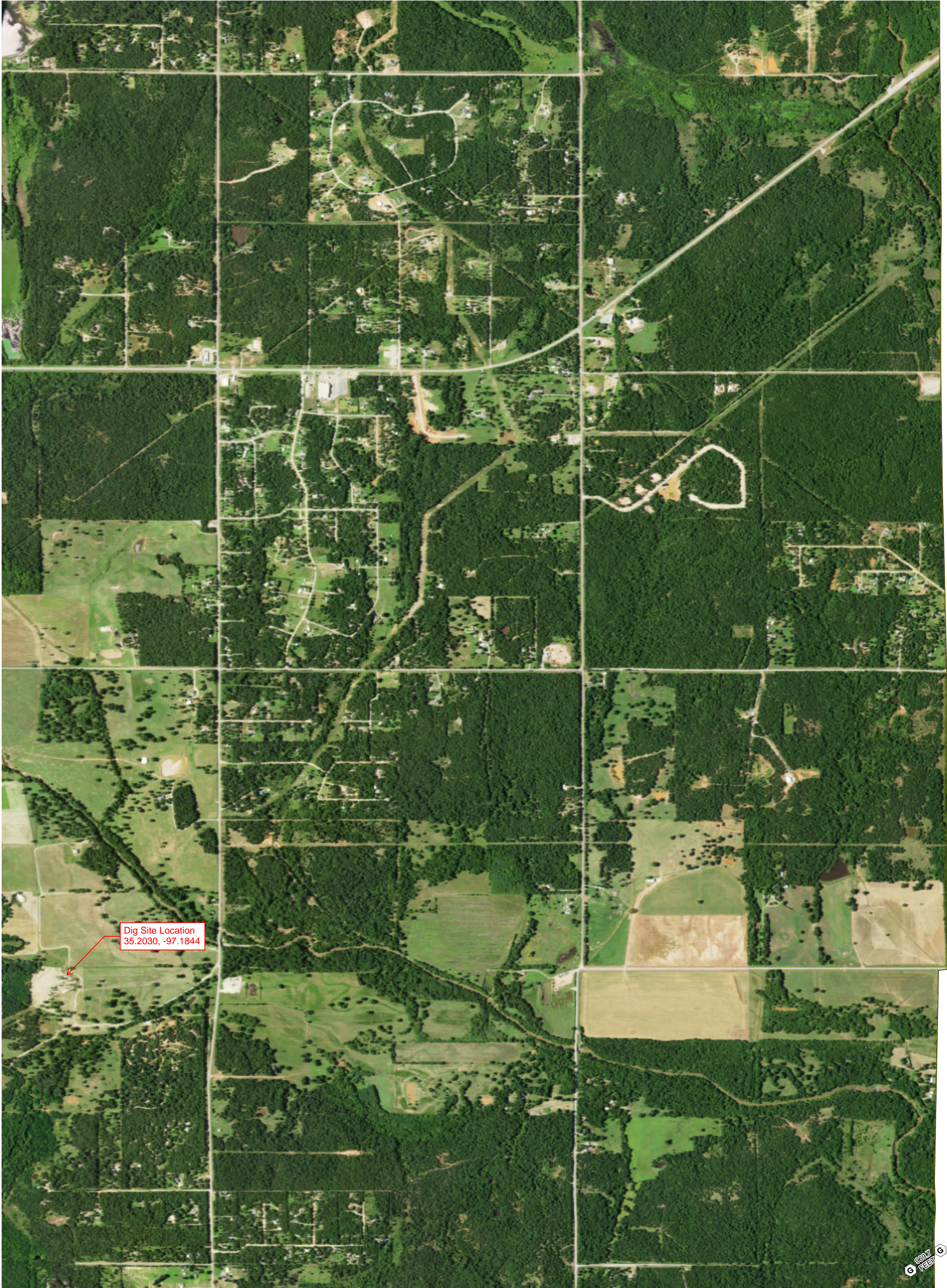
Board of Adjustment Decision - Approved: ☐ Yes ☐ No

Conditions:

SECTION 6: AS-BUILT ELEVATIONS (To be submitted by APPLICANT before Certificate of Occupancy is issued.)

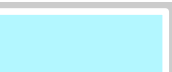
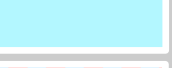





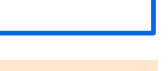


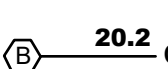
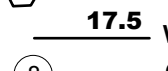
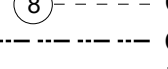







1. FEMA Elevation Certificate
and/or
2. FEMA Floodproofing Certificate

NOTE: The completed certificate will be reviewed by staff for completeness and accuracy. If any deficiencies are found it will be returned to the applicant for revision. A Certificate of Occupancy for the structure will not be issued until an Elevation and /or Floodproofing Certificate has been accepted by the City.



FLOOD HAZARD INFORMATION

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i> 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 <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee See Notes <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
OTHER AREAS		Effective LOMRs
		Area of Undetermined Flood Hazard <i>Zone D</i>
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		Cross Sections with 1% Annual Chance
		Water Surface Elevation
		Coastal Transect
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary

NOTES TO USERS

For information and questions about this Flood Insurance Rate Map (FIRM), available products associated with this FIRM, including historic versions, the current map date for each FIRM panel, how to order products, or the National Flood Insurance Program (NFIP) in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-6627) or visit the FEMA Flood Map Service Center website at <https://msc.fema.gov>. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Flood Map Service Center at the number listed above.

For community and countywide map dates, refer to the Flood Insurance Study Report for this jurisdiction.

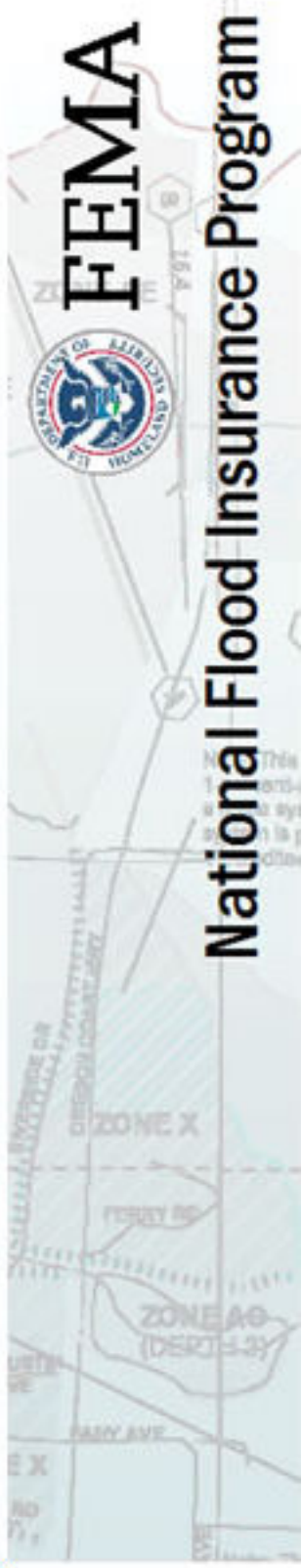
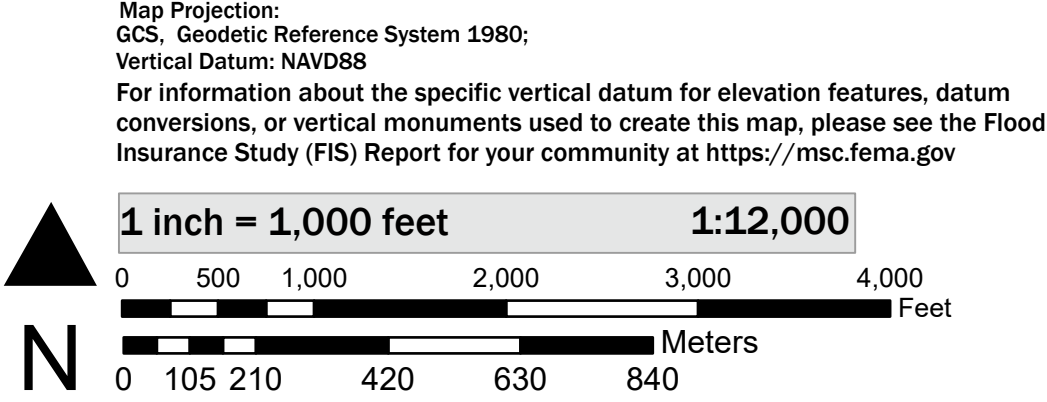
To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

Basemap information shown on this FIRM was provided in digital format by the United States Geological Survey (USGS). The basemap shown is the USGS National Map: Orthoimagery. Last refreshed October, 2020.

This map was exported from FEMA's National Flood Hazard Layer (NFHL) on **1/18/2023 1:12 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. For additional information, please see the Flood Hazard Mapping Updates Overview Fact Sheet at <https://www.fema.gov/media-library/assets/documents/118418>

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. 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.

SCALE



NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

PANEL 335 OF 475

Panel Contains:

COMMUNITY	NUMBER	PANEL
POTTAWATOMIE COUNTY	400496	0335
UNINCORPORATED AREAS		
TOWN OF PINK	400523	0335
ABSENTEE SHAWNEE TRIBE	400580	0335

National Flood Hazard Layer FIRMette



97°11'23"W 35°12'25"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

97°10'46"W 35°11'56"N

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

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 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

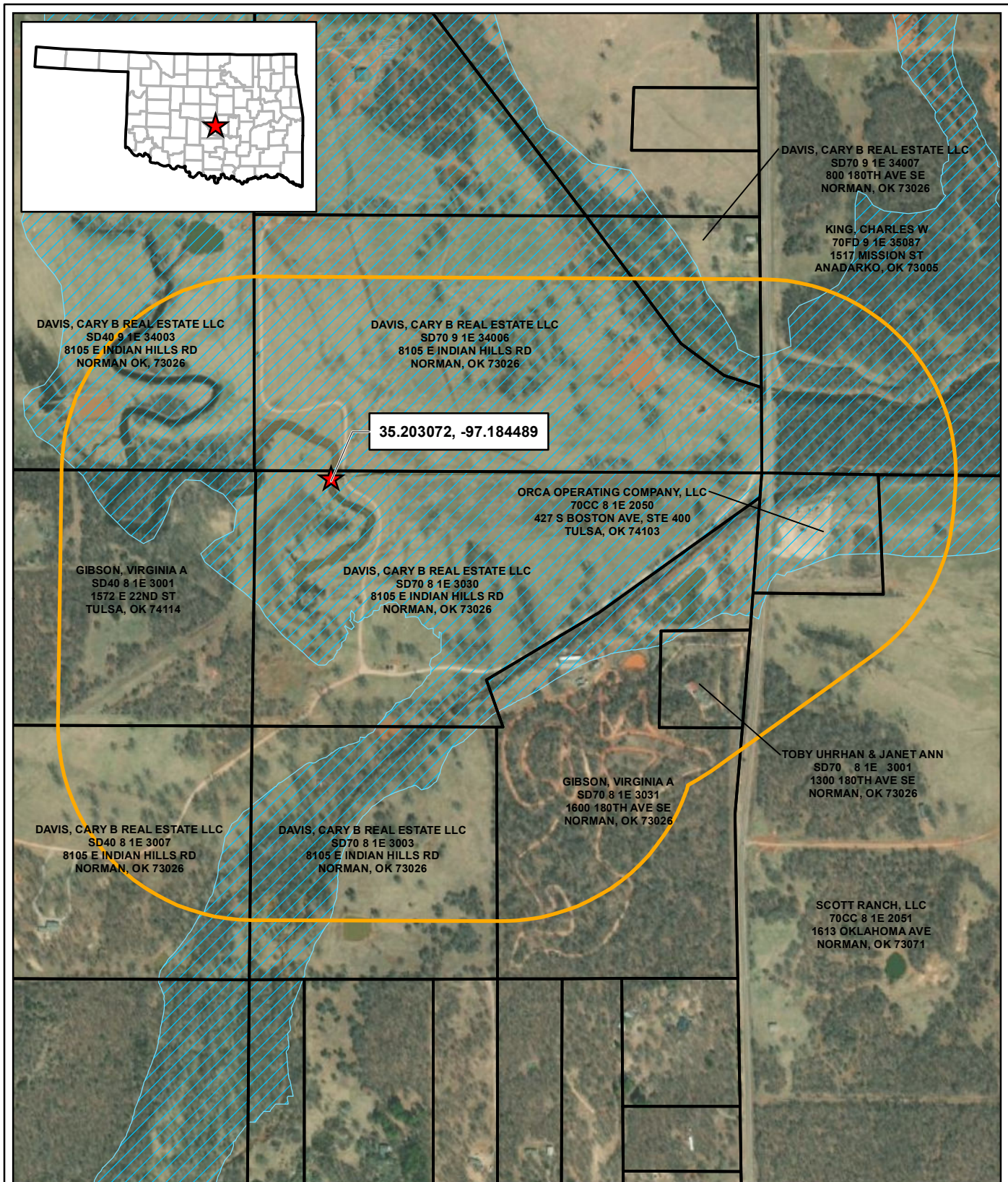


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

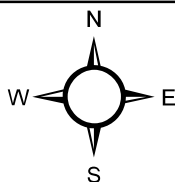
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **1/18/2023 at 12:56 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.



★ Project Location
 FEMA Floodplain
 Parcel Boundary
 1000-Foot Buffer



Cushing to Hewitt 16" Pipeline Dig Site #5 Location Map with Adjacent Parcel Owners.

Project No.
2026

0 500 1,000
 Feet
 Base Map: Esri World Imagery



**ENVIRONMENTAL SOLUTIONS
& INNOVATIONS, INC.**

Landowners within 1000-Foot Radius of Parcel SD70 8 1E 3030.

LANDOWNER NAME	PARCEL ID	ADDRESS
DAVIS, CARY B REAL ESTATE LLC	SD70 9 1E 34006	8105 E INDIAN HILLS RD, NORMAN, OK 73026 ¹
DAVIS, CARY B REAL ESTATE LLC	SD70 8 1E 3030	8105 E INDIAN HILLS RD, NORMAN, OK 73026 ¹
DAVIS, CARY B REAL ESTATE LLC	SD70 8 1E 3003	8105 E INDIAN HILLS RD, NORMAN, OK 73026 ¹
DAVIS, CARY B REAL ESTATE LLC	SD40 8 1E 3007	8105 E INDIAN HILLS RD, NORMAN, OK 73026 ¹
DAVIS, CARY B REAL ESTATE LLC	SD40 9 1E 34003	8105 E INDIAN HILLS RD, NORMAN, OK 73026 ¹
DAVIS, CARY B REAL ESTATE LLC	SD70 9 1E 34007	800 180TH AVE SE, NORMAN, OK 73026
ORCA OPERATING COMPANY, LLC	70CC 8 1E 2050	427 S BOSTON AVE, STE 400, TULSA, OK 74103 ¹
GIBSON, VIRGINIA A	SD40 8 1E 3001	2006 TRT-TRTEE, 1572 E 22ND ST, TULSA, OK 74114 ¹
SCOTT RANCH, LLC	70CC 8 1E 2051	1613 OKLAHOMA AVE, NORMAN, OK 73071 ¹
GIBSON, VIRGINIA A	SD70 8 1E 3031	1600 180TH AVE SE, NORMAN, OK 73026
KING, CHARLES W	70FD 9 1E 35087	1517 MISSION ST, ANADARKO, OK 73005 ¹
TOBY UHRHAN & JANET ANN	SD70 8 1E 3001	1300 180TH AVE SE, NORMAN, OK 73026

¹ Available mailing address for landowner. All other listed addresses are property addresses with no available mailing addresses.

FLOODWAY “NO-RISE / NO-IMPACT” CERTIFICATION

This document is to certify that I am duly qualified engineer licensed to practice in the State of Oklahoma. It is to further certify that the enclosed technical data supports the fact that the proposed Cushing to Hewitt 16” Pipeline Repair will not impact the 100-year flood elevations, floodway elevations and floodway widths on the UNT to Roulette Creek at published sections in the Flood Insurance Study (FIS) for Pottawatomie County and Unincorporated Areas of Town of Pink Absentee Shawnee Tribe (Community Numbers 400496, 400523, and 400580), Oklahoma, dated September 26, 2008 and will not impact the 100-year flood elevations, floodway elevations, and floodway widths at unpublished cross-sections in the vicinity of the proposed development.



01/18/2023

Seal, Signature, and Date

Shaun Kline

Printed Name

Vice President

Title

Environmental Solutions & Innovations, Inc.

Company

1158 Dutilh Road

Mars, PA 16046

Address