

FLOODPLAIN ANALYSIS  
FOR PROPOSED  
FRONT AND REAR DECKS  
CHAIN LINK FENCING

421 South Flood Avenue  
Norman, OK

The owner of 421 South Flood Avenue has replaced the deck structures on the front and rear of the property. Additionally, the owner has constructed a chain link fence surrounding the property.

The purpose of this report is to determine if the improvements to the property pose and impact to existing floodwater conditions.

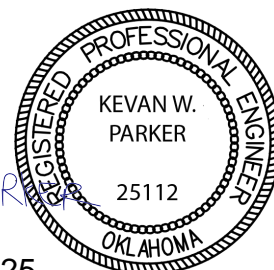
The decks are to be replaced as the existing decks pose a safety hazard to the property owners. The new front deck is of the same size and shape as the existing. The back deck is of the same size and shape as the existing with the addition of three additional columns for structural support. The impacts from the chain link fence are nominal.

The net additional material added to the property is the volume displaced by the three 4x4 posts added to the deck.

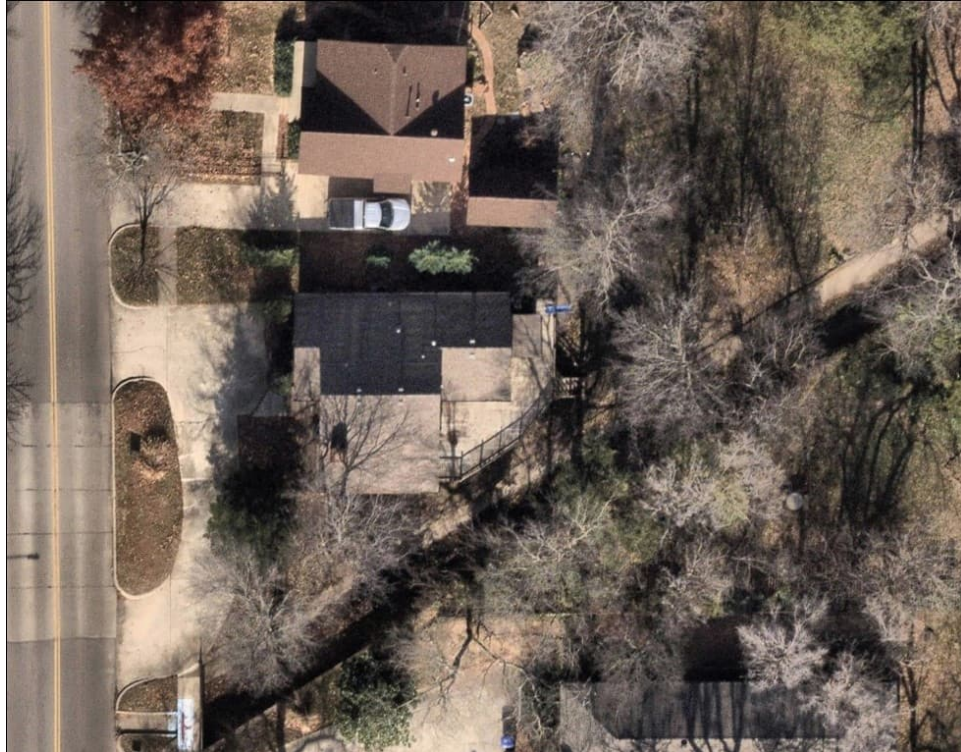
The area of construction is currently in the 0.1% Special Flood Hazard Area (SFHA). The BFE for the tributary to Imhoff Creek is 1151.0 ft as taken from section T-T as taken from FEMA Flood Map 40027C0280J effective 2021. The current finished floor of the house is assumed at El. 1148.0 ft taken from City of Norman elevation data. The deck is below the BFE but does not impact the area due to the replacement of the existing deck structure.

The volume of material added from the new deck is calculated as 1.67 CF. To offset this impact, 1.67 CF soil will be removed from SFHA adjacent to the deck to provide compensatory storage for the floodwaters. As a result, there will be no impact on floodwater or to the BFE due to this construction.

*KEVAN W. PARKER*



Fri, July 25, 2025



*Figure 1: Site Photo December 2024*



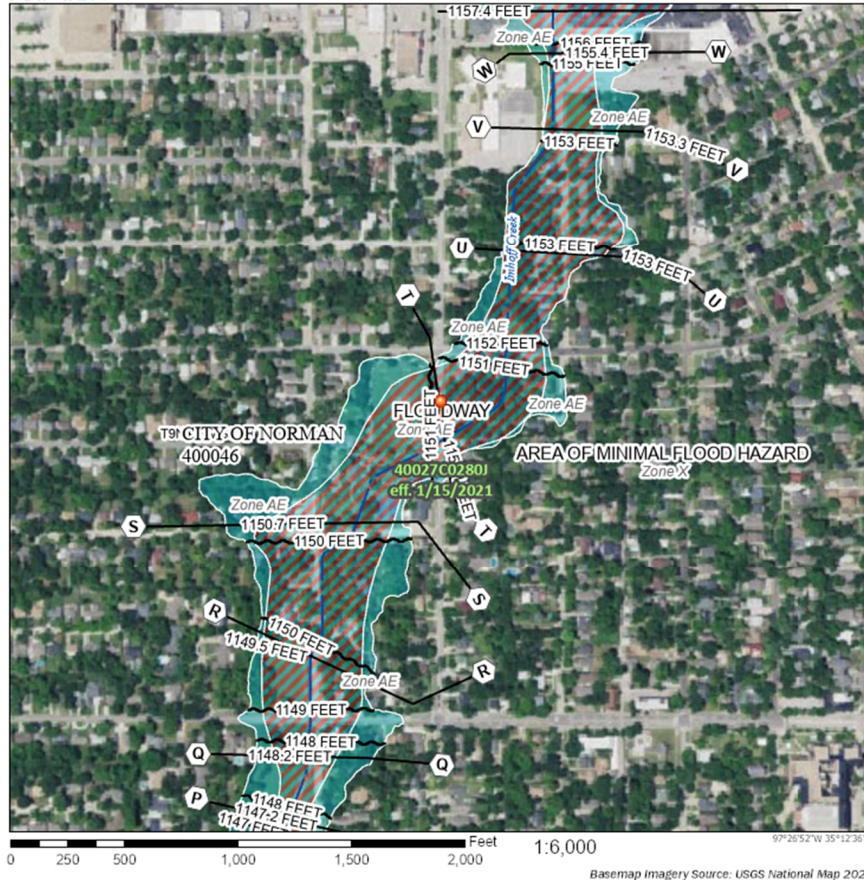
*Figure 2: Site Photo June 2025*



# National Flood Hazard Layer FIRMette



97°27'30"W 35°13'6"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, AE
	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
OTHER AREAS	Area with Flood Risk due to Levee. Zone D
	Area of Minimal Flood Hazard. Zone X
	Effective LOMRs
GENERAL STRUCTURES	Area of Undetermined Flood Hazard. Zone D
	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall
OTHER FEATURES	Cross Sections with 1% Annual Chance Water Surface Elevation
	Coastal Transsect
	Base Flood Elevation Line (BFE)
MAP PANELS	Limit of Study
	Jurisdiction Boundary
	Coastal Transsect Baseline
OTHER FEATURES	Profile Baseline
	Hydrographic Feature
	Digital Data Available
MAP PANELS	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 7/2/2025 at 6:50 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.

Basemap imagery Source: USGS National Map 2023

