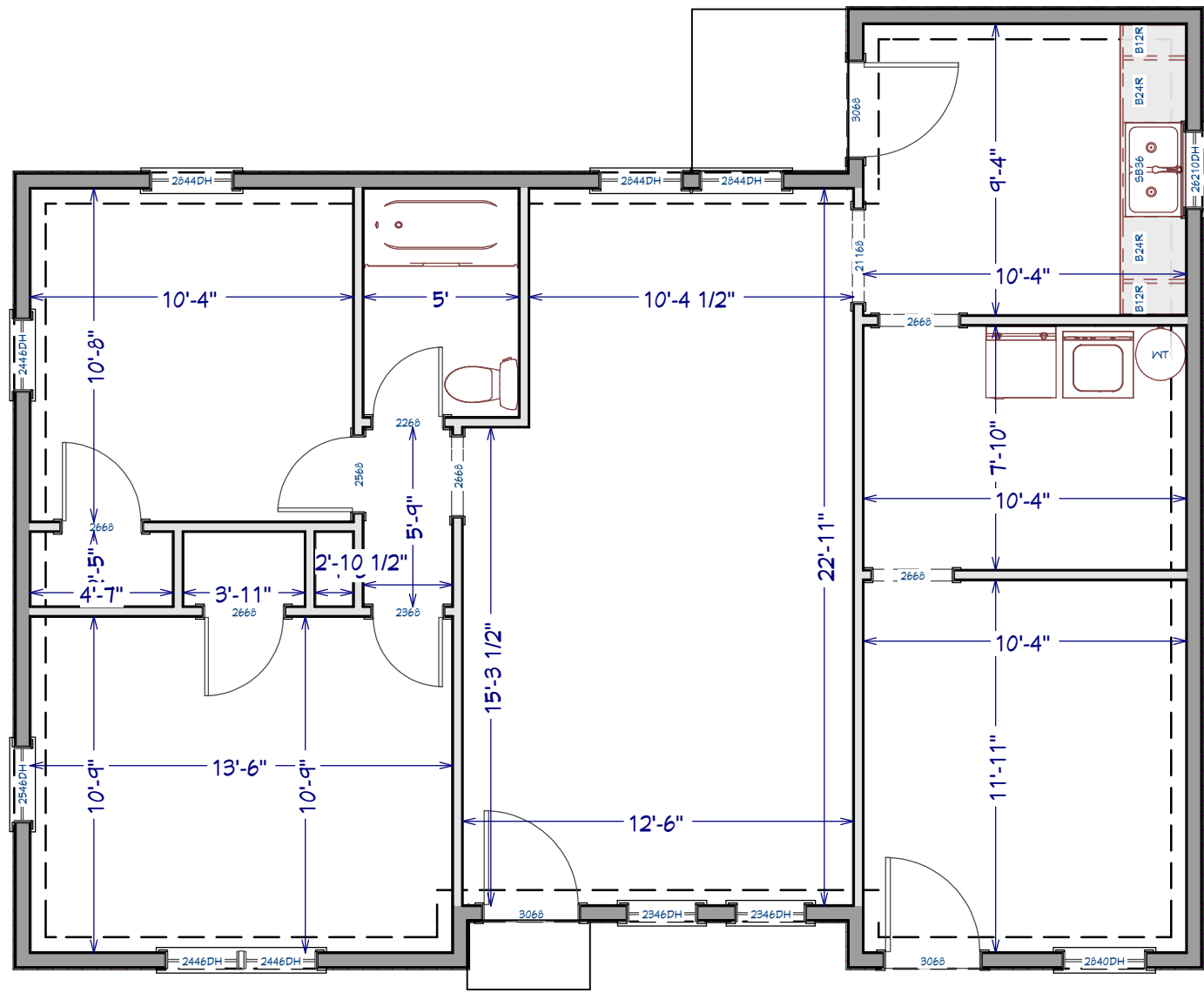
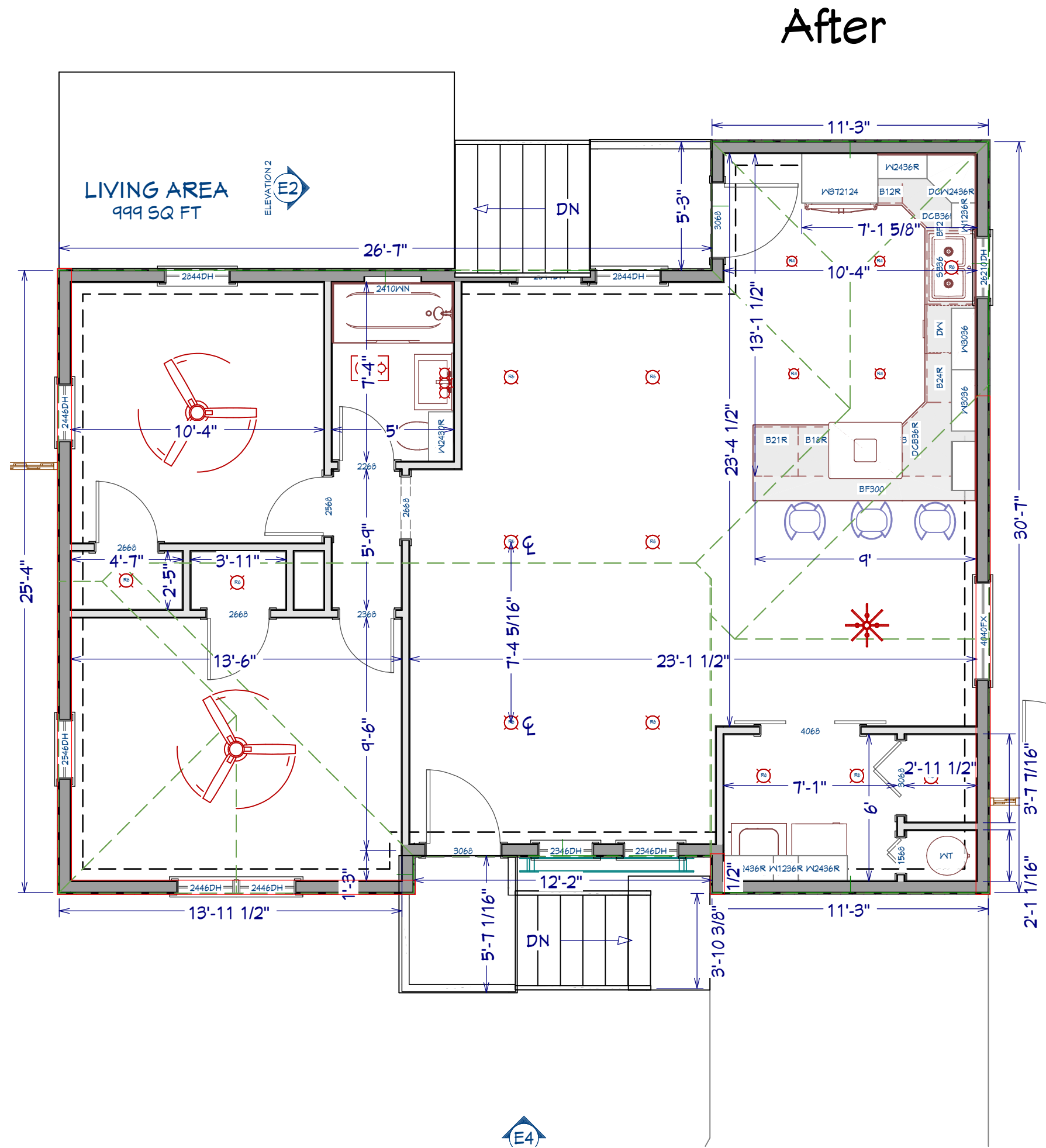


Alternative Plan Set

This set contains plans to install concrete steps instead of wooden patio at front and rear doors to residence.



Before



454 W. Tonhawa St. Norman, OK 73071
Contractor: SH Renovations
Owner: Swift Acquisition Partners
Contact: Hunter Thompson
hunter@shrenovations.org
(405)435-1002

NUMBER	DATE	REVISION TABLE	DESCRIPTION

Project Overview

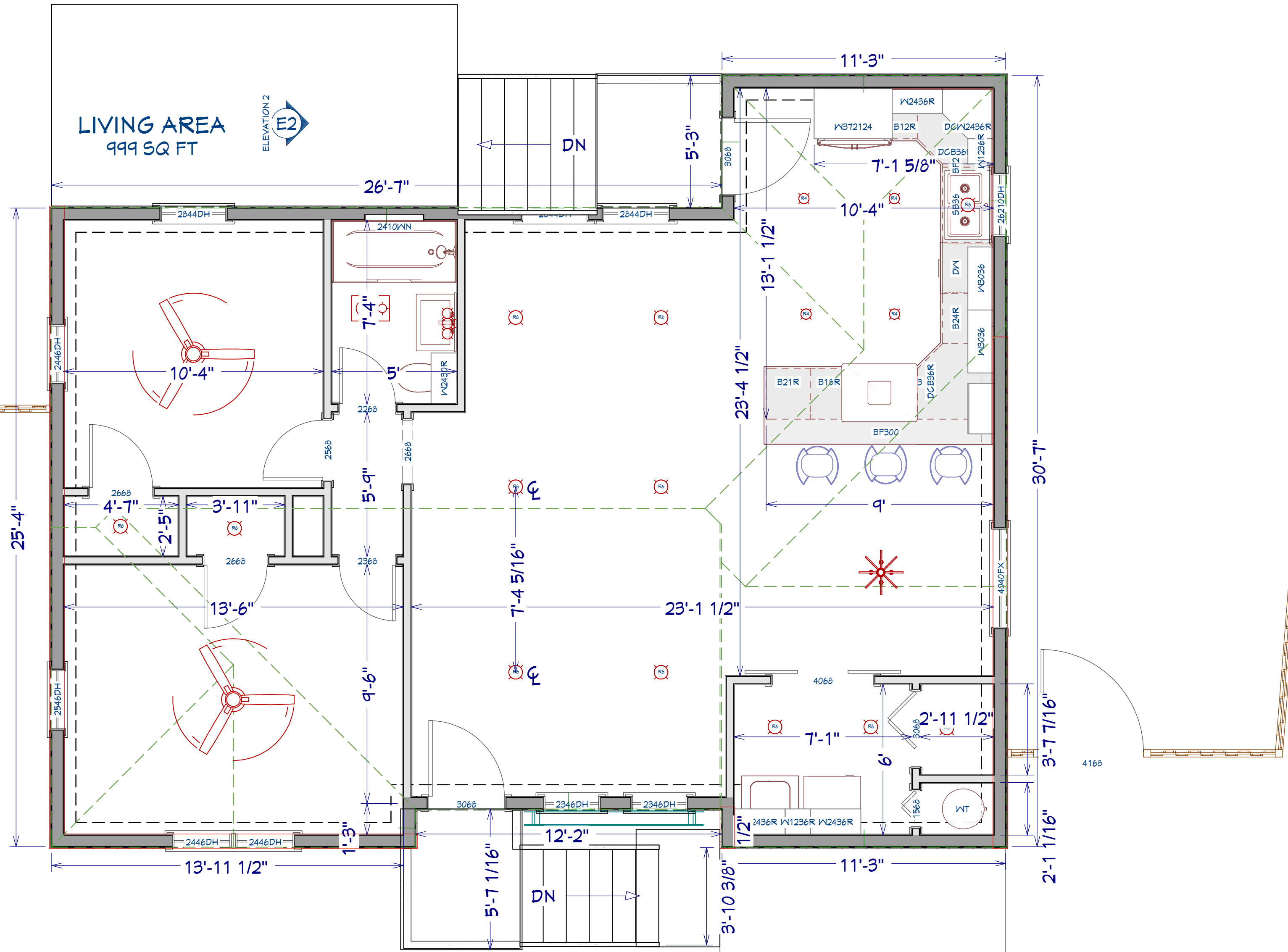
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 SH Renovations

DATE:
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SCALE:

SHEET:

LIVING AREA
999 SQ FT



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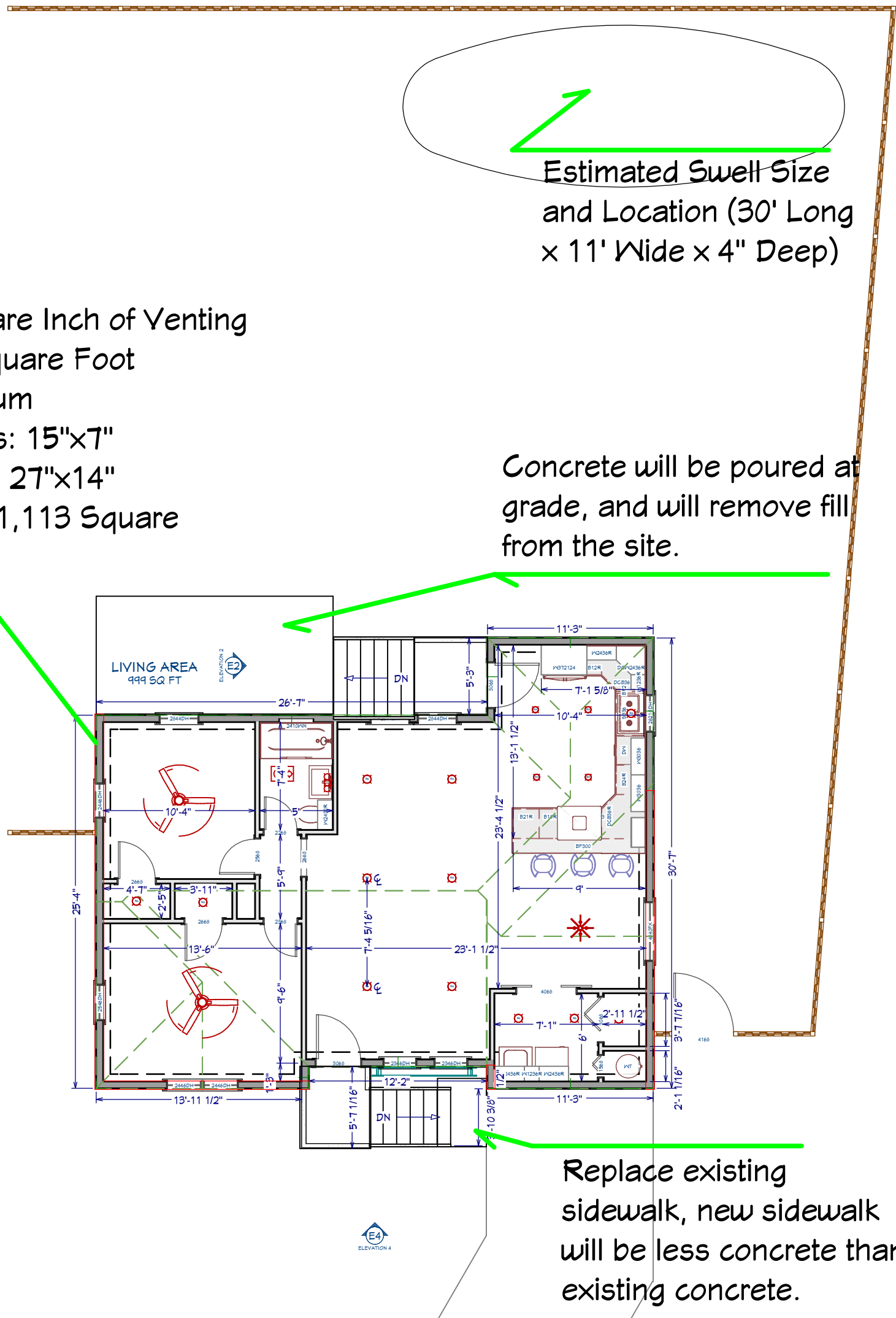
SHEET:

1 Square Inch of Venting
Per Square Foot
Minimum
7 vents: 15"x7"
1 vent: 27"x14"
Total: 1,113 Square
Inches

Estimated Swell Size
and Location (30' Long
x 11' Wide x 4" Deep)

Concrete will be poured at
grade, and will remove fill
from the site.

Replace existing
sidewalk, new sidewalk
will be less concrete than
existing concrete.



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Base Flood Elevation (BFE) Impact Summary

Project Information:

- Base Flood Elevation (BFE): 1158 feet
- Lowest Grade Level: 1155.5 feet
- Vertical Distance Impacted Below BFE: 2.5 feet (from lowest grade to BFE)
- Number of Decks: 2

Volume of Structures Below BFE:

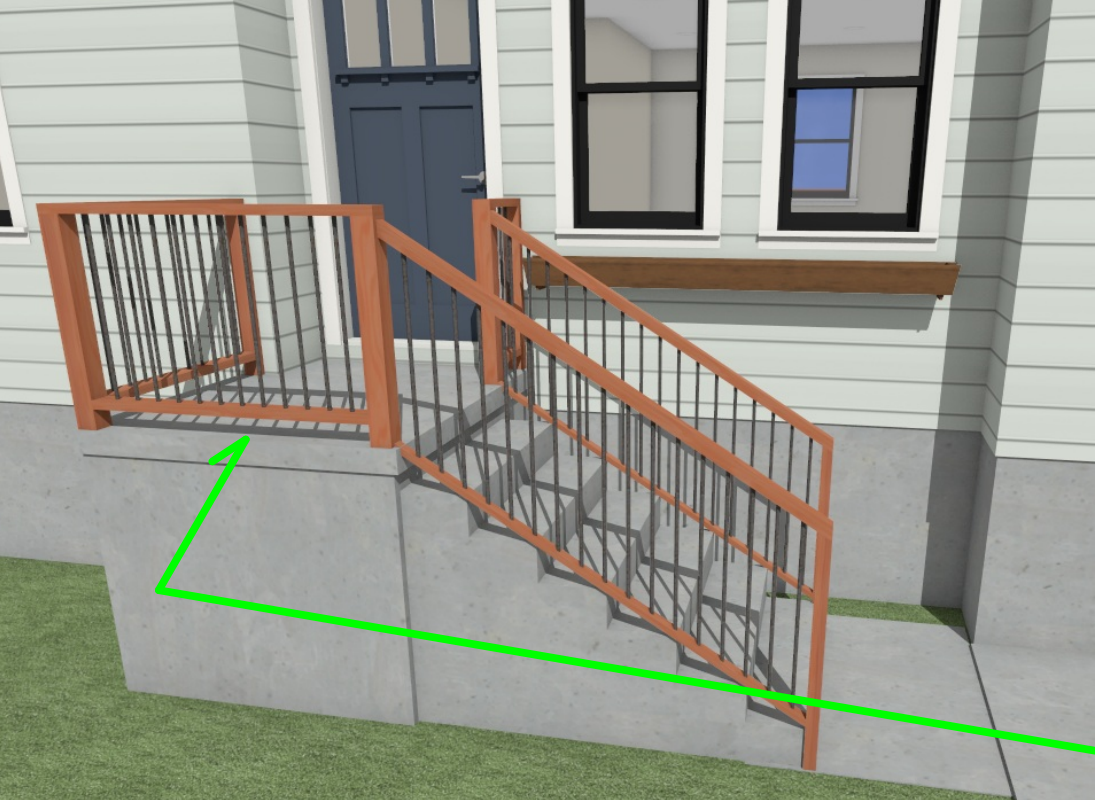
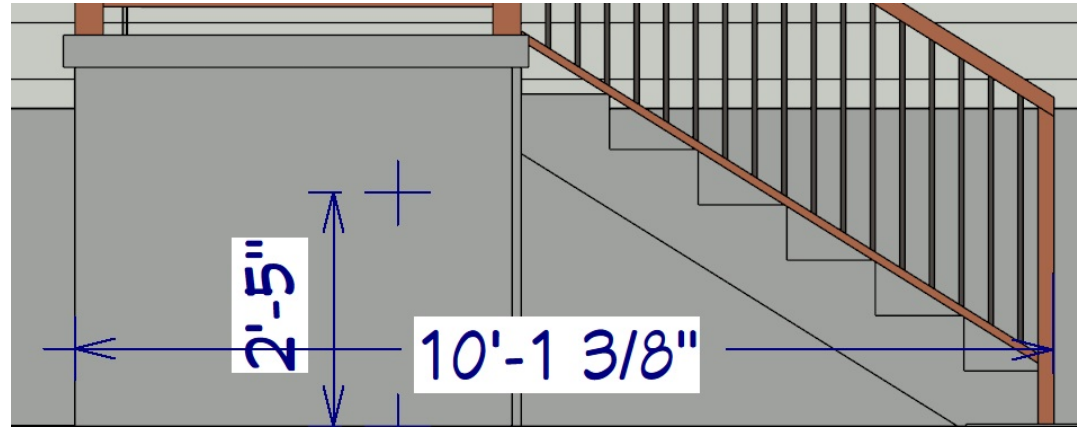
1. Fencing and Posts:
 - Fence Panels (5/8" thick):
Total Length: 171 linear feet
Volume Below BFE: 22.27 cubic feet
 - Metal Fence Posts (Schedule 40):
Number of Posts: 23
Volume Below BFE: 1.77 cubic feet
2. Stairs and Concrete Pads (Front Porch Only)
 - Additional 2' 6" of porch and stairs below BFE:
Stairs: 55 cubic feet
Additional Porch: 28.65 cubic feet

Grand Total Volume Below BFE:

- Total: 107.69 cubic feet cubic feet (approximately 3.99 cubic yards)

Notes:

- This total volume (3.99 cubic yards) represents the amount of fill created by the structural components below the Base Flood Elevation (BFE) across both decks and the fence.
- An equivalent amount of soil will need to be removed from the site to balance the fill volume, ensuring proper drainage and compliance with floodplain regulations.
- Lowest elevation used to ensure calculations account for the maximum amount of fill to be removed or the house to be raised higher than necessary. As a result, the front deck will either match or require less fill/removal than these calculations.



Front Porch

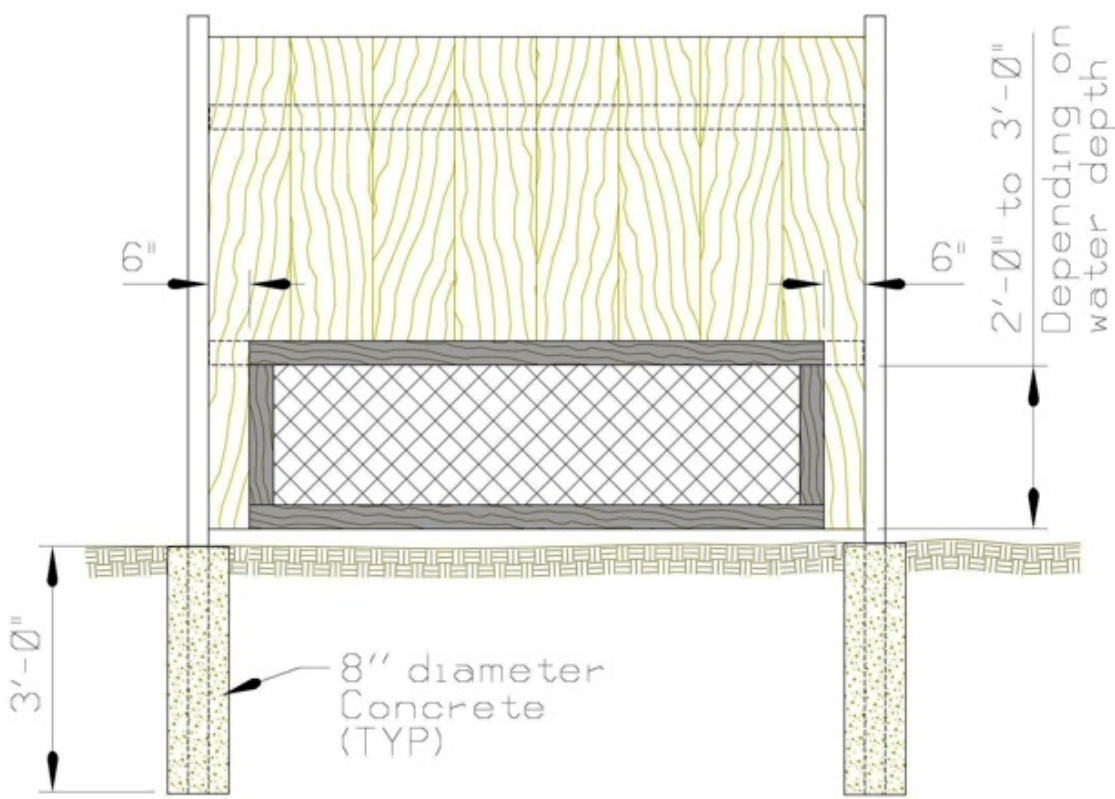
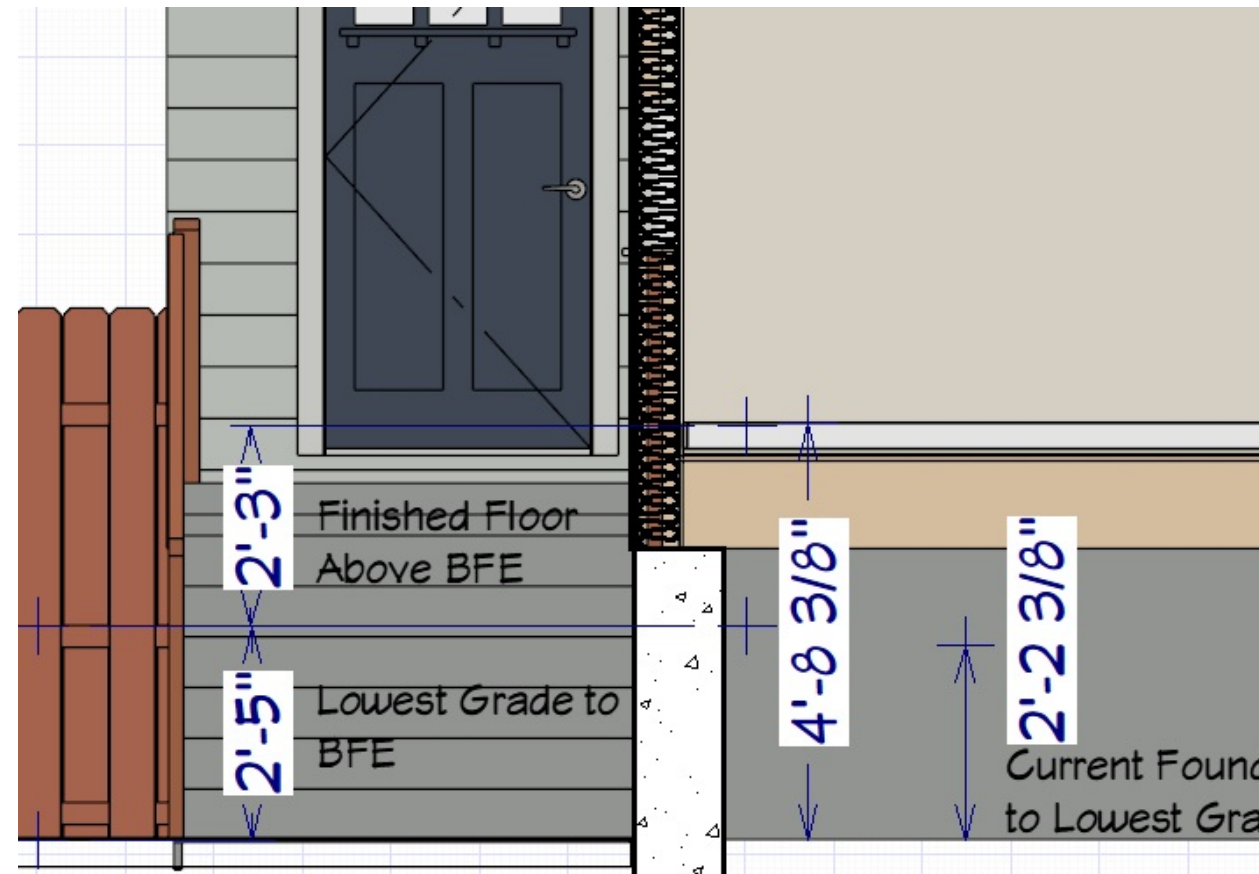


FIGURE A
WOOD PANEL WITH CHAIN LINK PICTURE FRAME
(For all water depths less than 3 feet)

BFE Calculations include an addition 2' 6" of patio depth, required to clear the front of the house with the stairs for an appropriate sized landing.

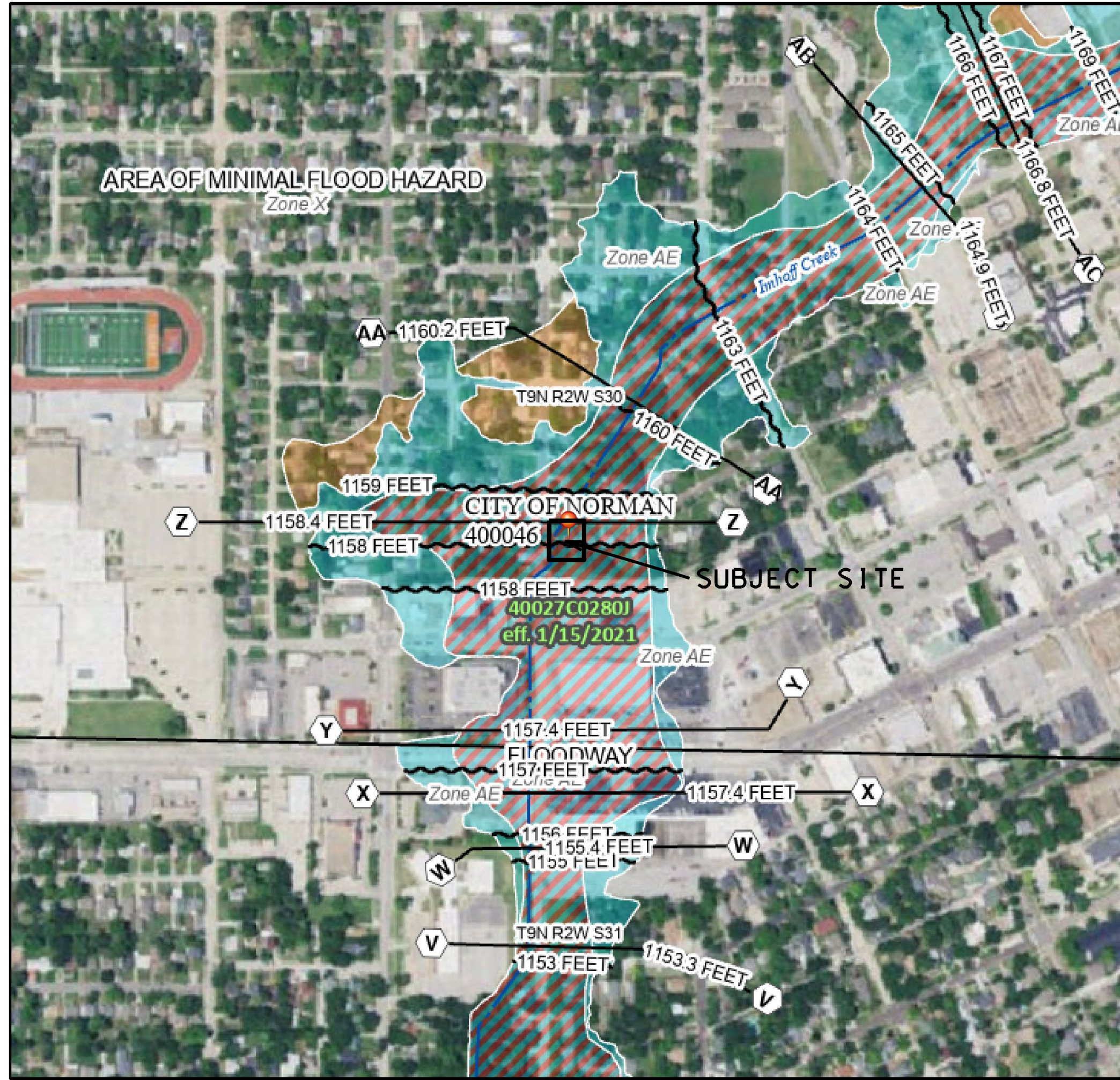


**Lowest elevation used to ensure calculations account for the maximum amount of fill to be removed or the house to be raised higher than necessary. As a result, the front deck will either match or require less fill/removal than these calculations. **

National Flood Hazard Layer FIRMette



97°27'23"W 35°13'27"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

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 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 9/30/2024 at 11:00 AM 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.

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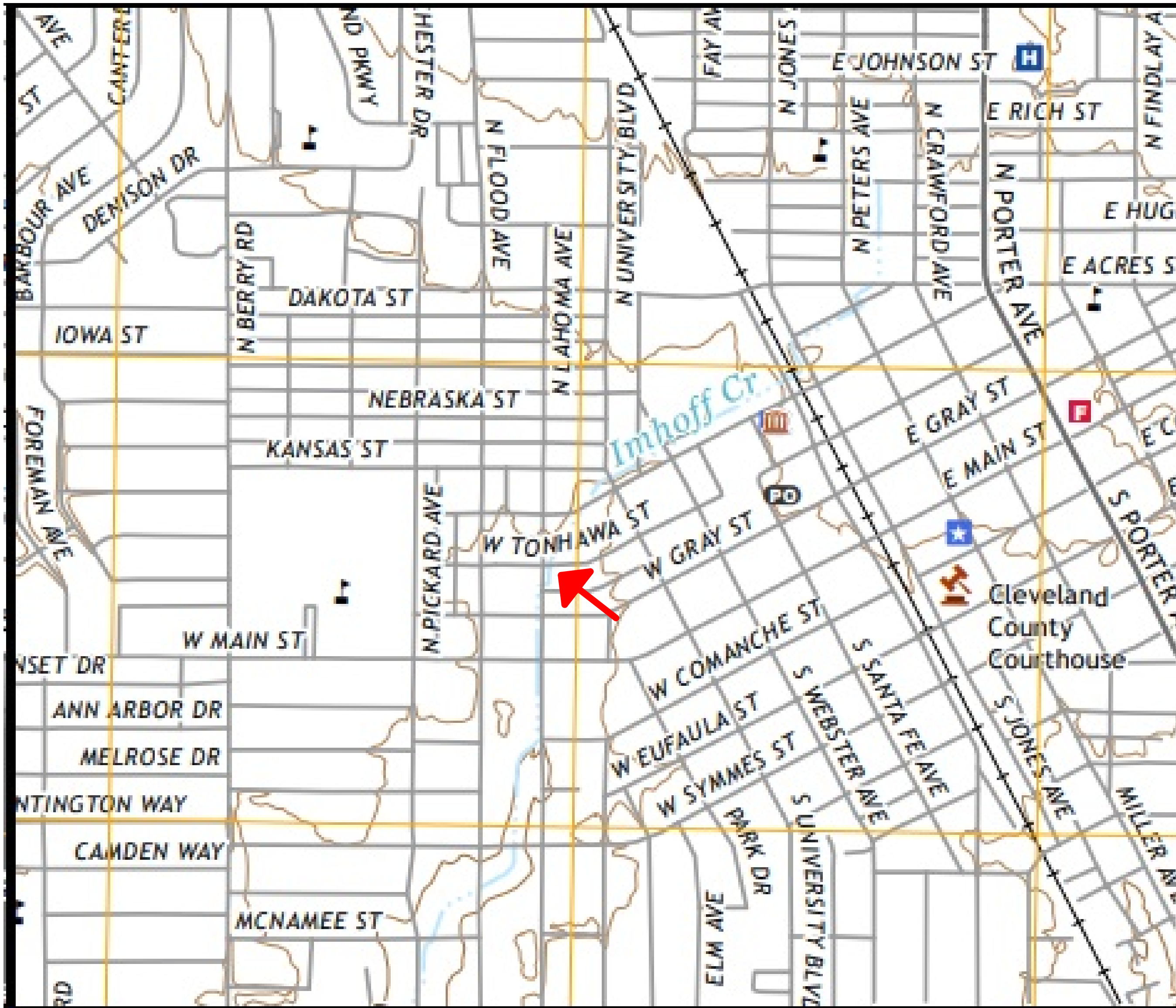
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SCALE:

SHEET:
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0 250 500 1,000 1,500 2,000 Feet 1:6,000

Basemap Imagery Source: USGS National Map 2023



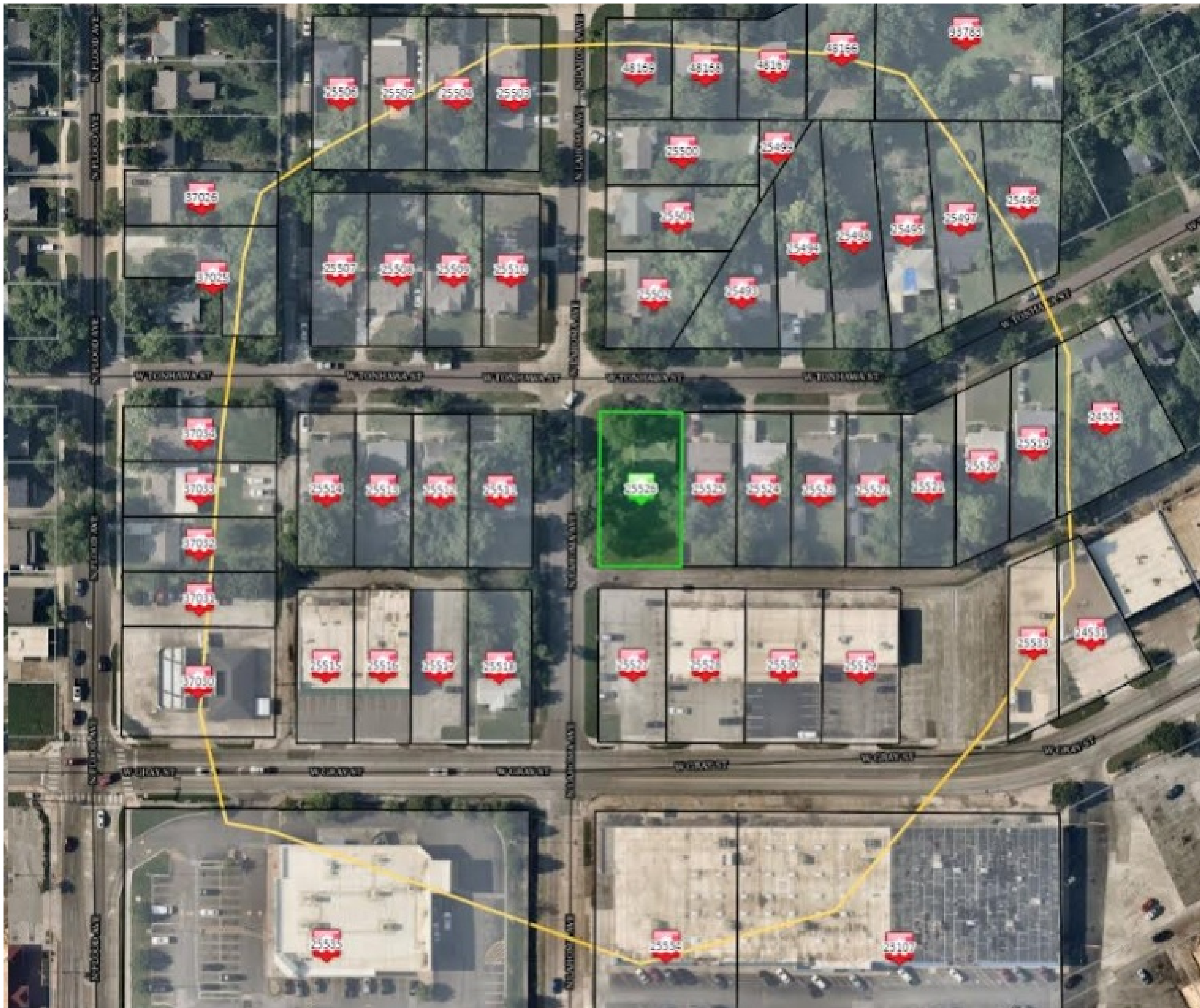
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**Address
Radius Map**

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EXTERIOR PHOTOS



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