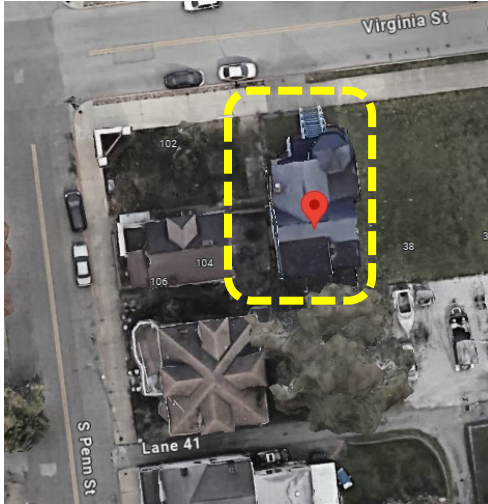




Wheeling

40 VIRGINIA ST, Wheeling, WV, 26003

Building: 35-10-0W43-0134-0000 40



Flood Intervals	HEIGHT (ft.)	Source
FEMA 10% / 10-Yr	NA	Not in by FEMA 10yr flood boundary
FEMA 4% / 25 yr	NA	Not in by FEMA 25yr flood boundary
FEMA 2% / 50 yr	4.1	Flood Profile
FEMA 1% / 100 yr (2023 BFE)	7.1	Flood Profile
FEMA 100 yr + 2.0 Ft. Freeboard (DFE)	9.1	Design flood elevation (DFE)
FEMA 0.2% / 500 yr	10.1	Flood Profile
FSF 500 yr	35.7	

35.7' (FSF 2% / 500 yr)



10.1' (FEMA 0.2% / 500 yr)

7.1' (FEMA 1% / 100 yr)

4.1' (FEMA 2% / 50 yr)

Flood Depth (ft)									
FEMA								FSF	
Flood Depth in Ft (Current Study)				Flood Depth in Ft (Previous Study)					
Draft/Effective Date	50 year (2%)	100 year (1%)	100 year Plus(1%+)	500 year (0.2%)	Effective Date	100 year (1%)	500 year (0.2%)	100 year (1%)	500 year (0.2%)
2006	4.1	7.1	-	10.1	1992	BFE: 659 (5.9 ft)		22.3	35.7

FLOOD DEPTHS:

FEMA, Effective 2006

First Street Foundation (FSF, 2022)



Wheeling



High Water Mark from 1936 Flood

- **Lowest Adjacent Grade (LAG)** = 649.5 feet (estimate from WV Flood Tool). Estimate first floor height to be about 9 feet based on steps and blocks.
- **1936 HWM** = 607.3 ft (gauge height = 0) + 55.2 ft = 662.5 ft.
- **1936 Flood Depth** = LAG 662.5 feet – 649.5 = 13 feet. Estimate four feet of water in structure for 1936 flood.