

# Clendenin Mitigation Reconstruction

24.6' (FSF 0.2% / 500-Yr)

20.5' (FEMA 0.2% / 500-Yr)

16.5' FEMA1%+ (84% CL)

12.3' (FEMA 1% / 100-Yr)

10.5' (2016 High Water)

9.5' (FEMA 2% / 50-Yr)

6.0' (FEMA 4% / 25-Yr)

2.0' (FEMA 10% / 10-Yr)

	HEIGHT (ft.)
<b>BUILDING</b>	
First Floor Height	12.0
Freeboard (FBD)	2.0
<b>FLOOD DEPTH</b>	
FEMA 10% (10-Yr)	2.0
FEMA 4% (25-Yr)	6.0
FEMA 2% (50-Yr)	9.5
2016 Flood HWM	10.5
FEMA 1% (100-Yr)	12.3
FEMA 100-Yr + FBD	14.3
FEMA 1%+ (84% CL)	16.5
FEMA 0.2% (500-Yr)	20.5
FSF 0.2% (500-Yr)	24.6

The Design Flood Elevation (DFE) should be the BFE plus 2 feet of freeboard. The DFE should also be above the high-water marks of the 2016 flood plus freeboard.

Building [20-02-0006-0044-0000](#) 306

306 Maywood Ave., Clendenin, WV, 25045

FLOOD DEPTHS:



FEMA



First Street Foundation (FSF)



USGS 2016 Flood High Water Mark



# Richwood Mitigation Reconstruction



	HEIGHT (ft.)
<b>BUILDING</b>	
First Floor Height	8
Freeboard (FBD)	2
<b>FLOOD DEPTH</b>	
FEMA 10% (10-Yr)	0
FEMA 4% (25-Yr)	0
FEMA 2% (50-Yr)	3.1
2016 Flood HWM	2.8
FEMA 1% (100-Yr)	3.5
FEMA 100-Yr + FBD	5.5
FEMA 1%+ (84% CL)	6.7
FEMA 0.2% (500-Yr)	8.3
FSF 0.2% (500-Yr)	6.7

8.3' (FSF 0.2% / 500-Yr)

6.7' (FEMA 0.2% / 500-Yr)

6.7' FEMA1%+ (84% CL)

3.5' (FEMA 1% / 100-Yr)

3.1' (FEMA 2% / 50-Yr)

2.8' (2016 High Water)

113 VALLEY AVE, RICHWOOD, WV

The Design Flood Elevation (DFE) should be the BFE plus 2 feet of freeboard. The DFE should also be above the high-water marks of the 2016 flood plus freeboard.

Building ID: [34-06-0011-0090-0000\\_113](#)

FLOOD DEPTHS:

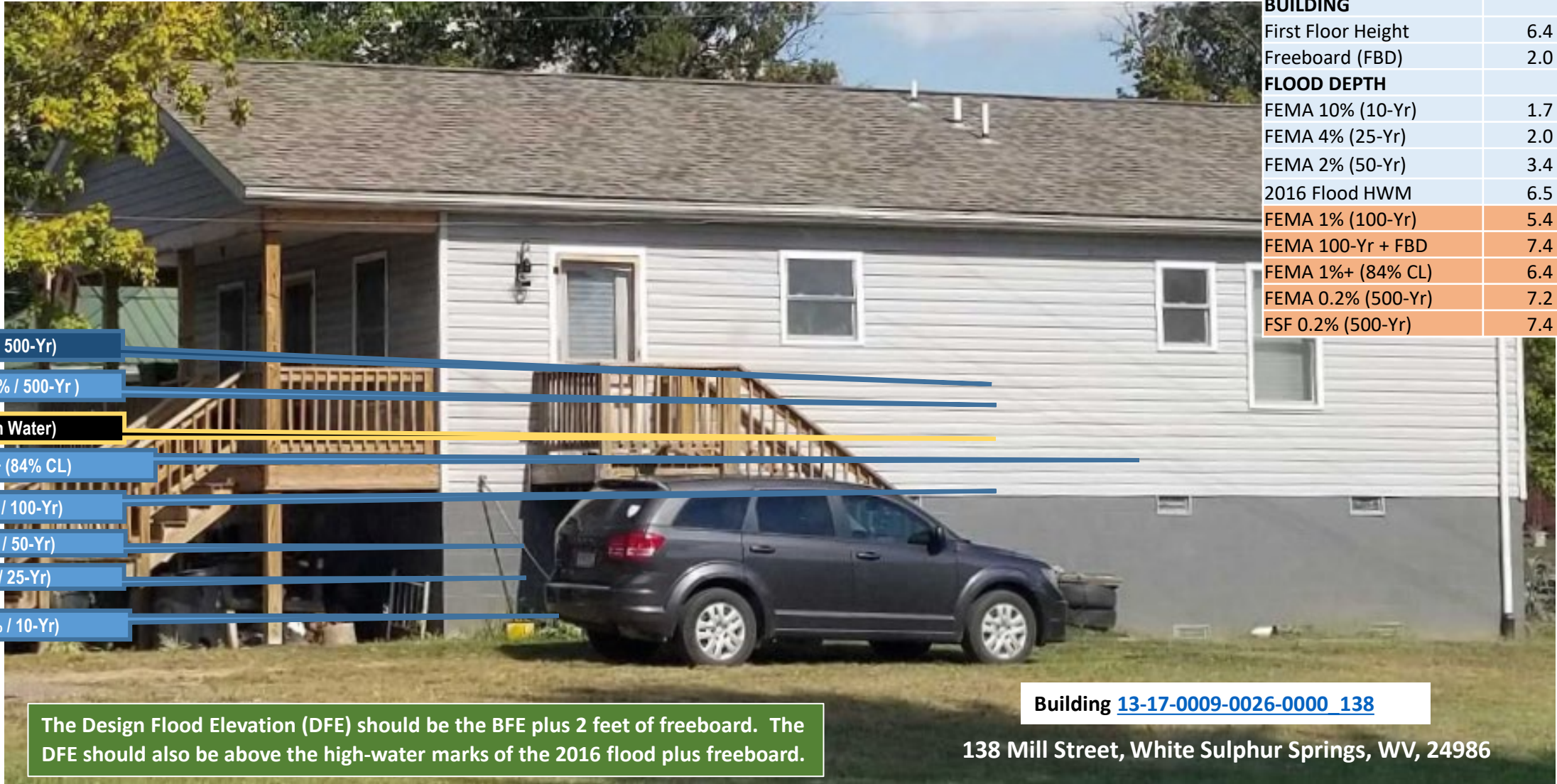
FEMA

First Street Foundation (FSF)

USGS 2016 Flood High Water Mark



# WSS New Reconstruction



	HEIGHT (ft.)
<b>BUILDING</b>	
First Floor Height	6.4
Freeboard (FBD)	2.0
<b>FLOOD DEPTH</b>	
FEMA 10% (10-Yr)	1.7
FEMA 4% (25-Yr)	2.0
FEMA 2% (50-Yr)	3.4
2016 Flood HWM	6.5
FEMA 1% (100-Yr)	5.4
FEMA 100-Yr + FBD	7.4
FEMA 1%+ (84% CL)	6.4
FEMA 0.2% (500-Yr)	7.2
FSF 0.2% (500-Yr)	7.4

- 7.4' (FSF 0.2% / 500-Yr)
- 7.2' (FEMA 0.2% / 500-Yr)
- 6.5' (2016 High Water)
- 6.4' FEMA 1%+ (84% CL)
- 5.4' (FEMA 1% / 100-Yr)
- 3.4' (FEMA 2% / 50-Yr)
- 2.0' (FEMA 4% / 25-Yr)
- 1.7' (FEMA 10% / 10-Yr)

The Design Flood Elevation (DFE) should be the BFE plus 2 feet of freeboard. The DFE should also be above the high-water marks of the 2016 flood plus freeboard.

Building [13-17-0009-0026-0000\\_138](#)

138 Mill Street, White Sulphur Springs, WV, 24986

FLOOD DEPTHS: ■ FEMA ■ First Street Foundation (FSF) ■ USGS 2016 Flood High Water Mark

# Rainelle Mitigation Reconstruction

The Design Flood Elevation (DFE) should be the BFE plus 2 feet of freeboard. The DFE should also be above the high-water marks of the 2016 flood plus freeboard.



	HEIGHT (ft.)
<b>BUILDING</b>	
First Floor Height	9
Freeboard (FBD)	2
<b>FLOOD DEPTH</b>	
FEMA 10% (10-Yr)	3.1
FEMA 4% (25-Yr)	0.1
FEMA 2% (50-Yr)	1.9
2016 Flood HWM	7.5
FEMA 1% (100-Yr)	3.9
FEMA 100-Yr + FBD	5.9
FEMA 1%+ (84% CL)	9.9
FEMA 0.2% (500-Yr)	9.9
FSF 0.2% (500-Yr) Climate	12.2

12.2' (FSF 0.2% / 500-Yr)

9.9' (FEMA 0.2% / 500-Yr)

7.5' (2016 High Water)

5.9' FEMA 1%+ (84% CL)

3.9' (FEMA 1% / 100-Yr)

1.9' (FEMA 2% / 50-Yr)

0' (FEMA 4% / 25-Yr)

Building: [13-13-0001-0054-0000](#) 182

182 Seventh Street, Rainelle, WV, 25962

FLOOD DEPTHS:

FEMA

First Street Foundation (FSF)

USGS 2016 Flood High Water Mark



# Camden Mitigation Reconstruction

The Design Flood Elevation (DFE) should be the BFE plus 2 feet of freeboard. The DFE should also be above the high-water marks of the 2016 flood plus freeboard.



	HEIGHT (ft.)
<b>BUILDING</b>	
First Floor Height	4.0
Freeboard (FBD)	2.0
<b>FLOOD DEPTH</b>	
FEMA 10% (10-Yr)	NA
FEMA 4% (25-Yr)	NA
FEMA 2% (50-Yr)	1.3
2016 Flood HWM	3.4
FEMA 1% (100-Yr)	2.2
FEMA 100-Yr + FBD	4.1
FEMA 1%+ (84% CL)	3.2
FEMA 0.2% (500-Yr)	6.3
FSF 0.2% (500-Yr) Climate	8.7

8.7' (FSF 0.2% / 500-Yr)

6.3' (FEMA 0.2% / 500-Yr)

3.1' (2016 High Water)

3.2' FEMA 1%+ (84% CL)

2.2' (FEMA 1% / 100-Yr)

1.3' (FEMA 2% / 50-Yr)

Building: [51-01-0003-0054-0000 9762](#)

9762 WEBSTER RD, Camden On Gauley, WV, 26208

FLOOD DEPTHS:

FEMA

First Street Foundation (FSF)

USGS 2016 Flood High Water Mark



# Camden Mitigation Reconstruction



14.8' (FSF 0.2% / 500-Yr)

12.7' (FEMA 0.2% / 500-Yr)

10.7' FEMA 1%+ (84% CL)

9.1' (2016 High Water)

8.3' (FEMA 1% / 100-Yr)

6.7' (FEMA 2% / 50-Yr)

	HEIGHT (ft.)
<b>BUILDING</b>	
First Floor Height	4
Freeboard (FBD)	2
<b>FLOOD DEPTH</b>	
FEMA 10% (10-Yr)	1.9
FEMA 4% (25-Yr)	4.4
FEMA 2% (50-Yr)	6.7
2016 Flood HWM	9.1
FEMA 1% (100-Yr)	8.3
FEMA 100-Yr + FBD	10.3
FEMA 1%+ (84% CL)	10.7
FEMA 0.2% (500-Yr)	12.7
FSF 0.2% (500-Yr) Climate	14.8

Building: [51-04-0003-0006-0000\\_91](#)

91 RIVERSIDE DR, Camden On Gauley, WV, 26208

FLOOD DEPTHS:

FEMA

First Street Foundation (FSF)

USGS 2016 Flood High Water Mark



# Marlinton, WV (Building Flood Profile)

Building: [38-08-0003-0023-0000](#)

1900 Commercial Structure



309 8th St, Marlinton, WV, 24954



- 9.4' (FSF 0.2% / 500-Yr)
- 8.8' (FEMA DRAFT NFHL 0.2% / 500-Yr)
- 7' (1985 High Water Mark)
- 4.8' (FEMA DRAFT NFHL 1% / 100-Yr)
- 3.6' (FEMA 1% / 100-Yr)
- 2.7' (FEMA 2% / 50-Yr)
- 0.4' (FEMA 10% / 10-Yr)

Ideally, the Design Flood Elevation (DFE) should be the BFE plus 2 feet of freeboard. The DFE should also be above the high-water marks of the 1985 flood plus freeboard.

Flood Intervals	Height (ft.)	Source
FEMA 10% / 10-Yr	0.4	Flood Profile (Effective 2010)
FEMA 2% / 50-yr	2.7	Flood Profile (Effective 2010)
FEMA 1% / 100-yr	3.6	Flood Profile (Effective 2010)
FEMA 100-yr + 2.0 Ft. Freeboard (DFE)	5.6	Design flood elevation (DFE)
High Water Mark (1985 Flood)	7.0	Picture
FEMA Draft NFHL 100-yr	4.8	WV Flood Tool (Draft 2023)
FEMA 500-yr	8.8	WV Flood Tool (Draft 2023)
FSF 500-yr	9.4	FSF Flood Depth (2022)



1985 Flood High Water Mark

FLOOD DEPTHS:   FEMA Effective (2010)   FEMA Draft NFHL (2023)   First Street Foundation (FSF)   1985 Flood High Water Mark