


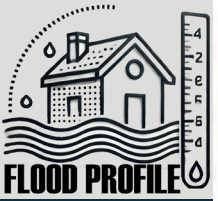
Building Flood Profile

 **Elevated Structures**

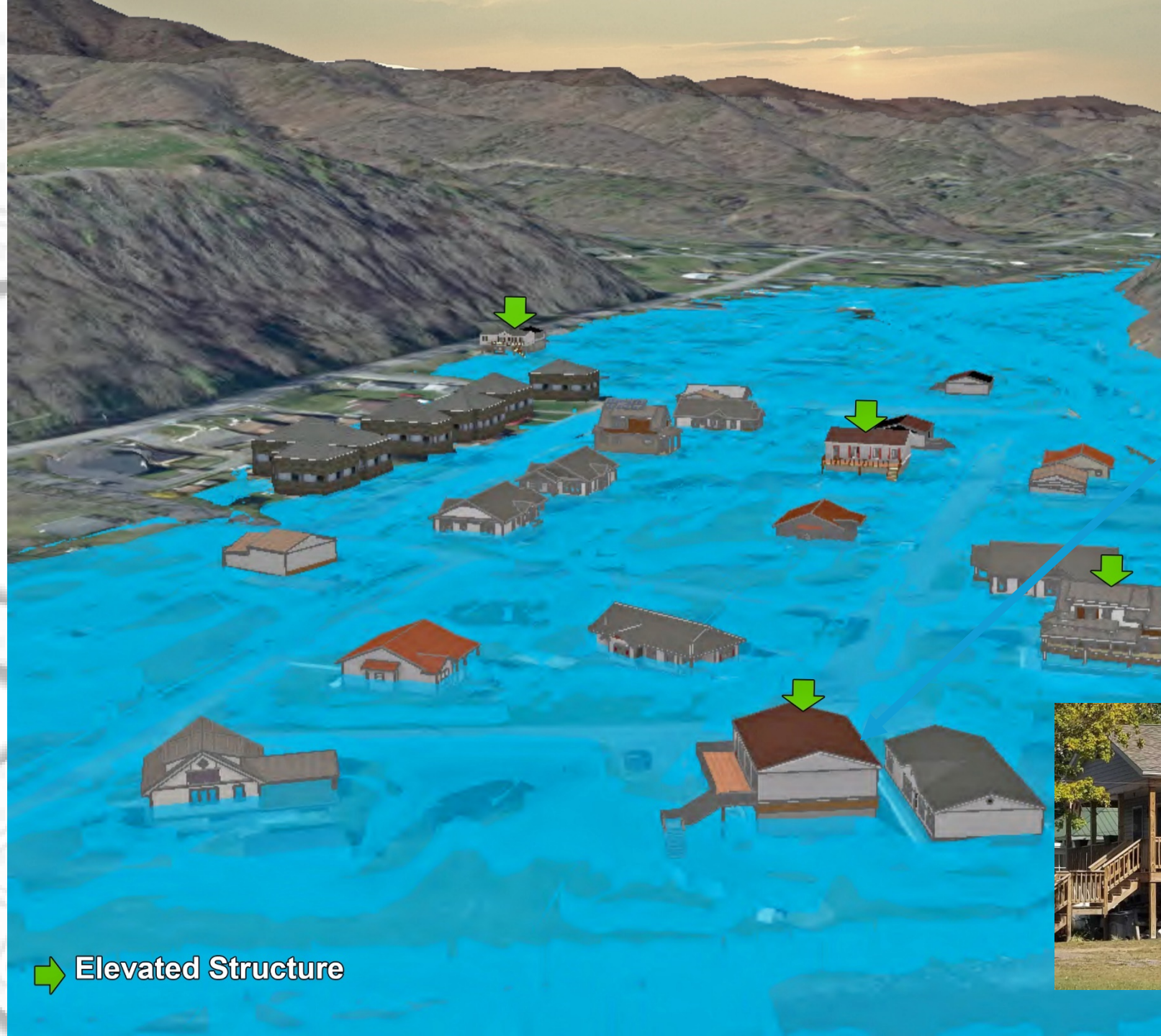


White Sulphur Springs

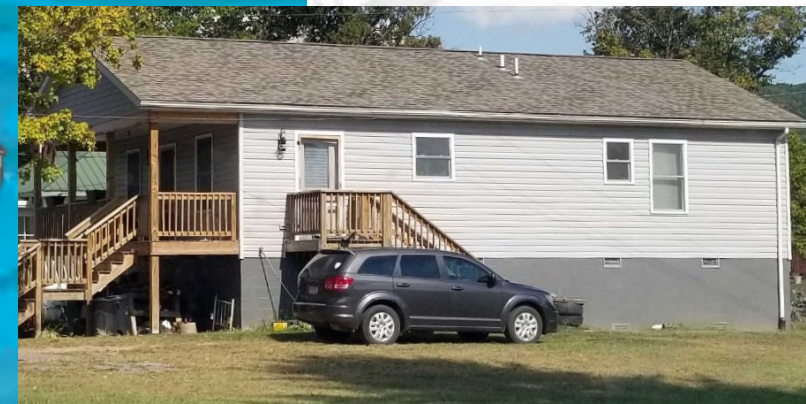


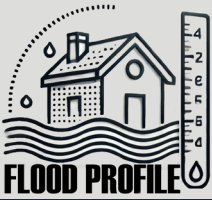


Building Flood Profile



➔ Elevated Structure



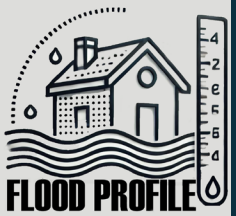


Building Flood Profile

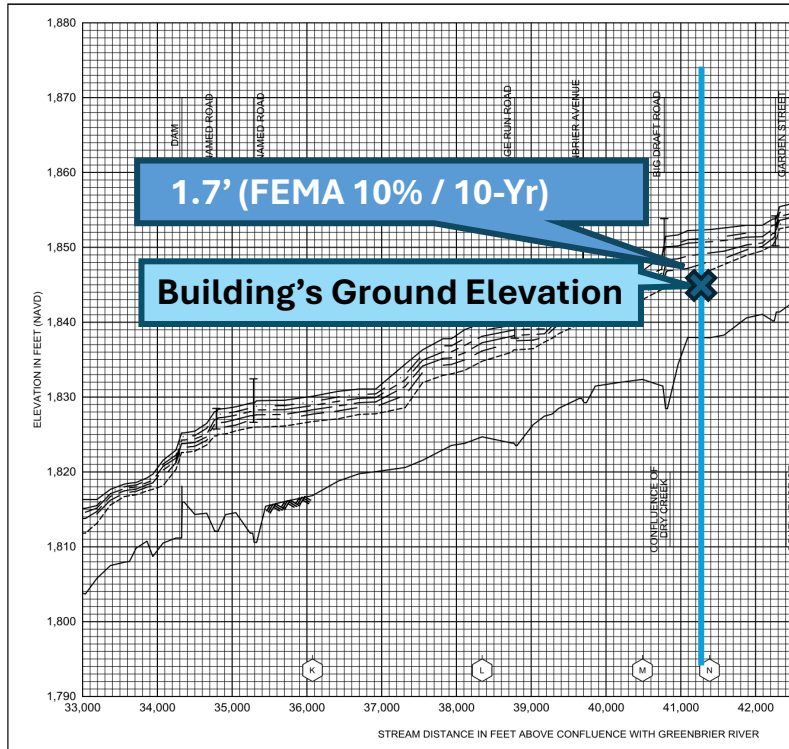


138 Mill Street, White Sulphur Springs, WV,
24986

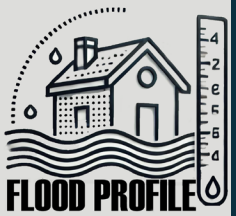
13-17-0009-0026-0000_138



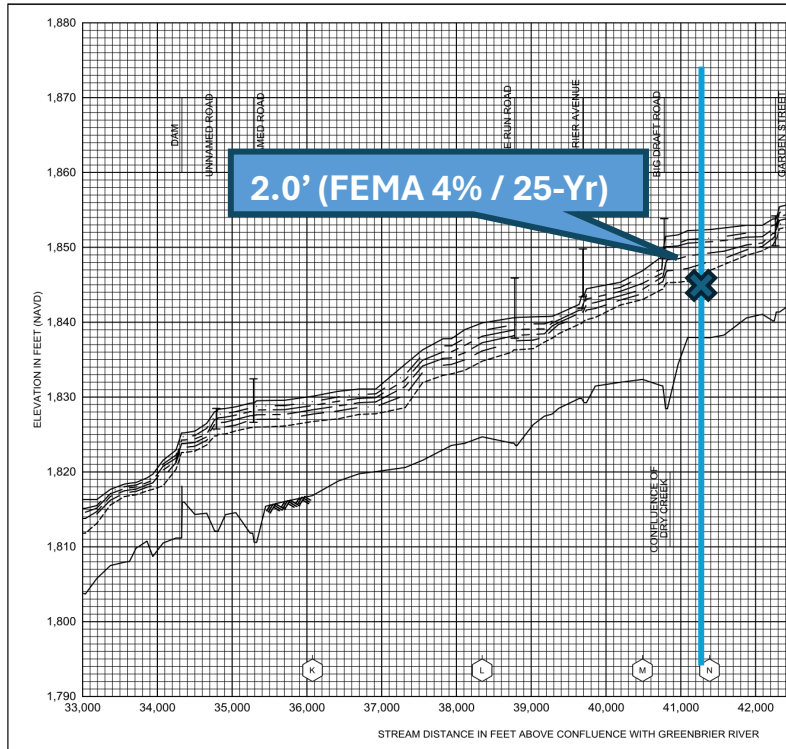
10% Probability of Flood in a year (10-year flood)



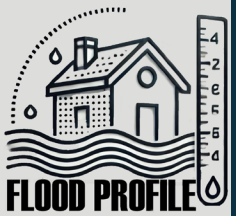
Villa-Ave



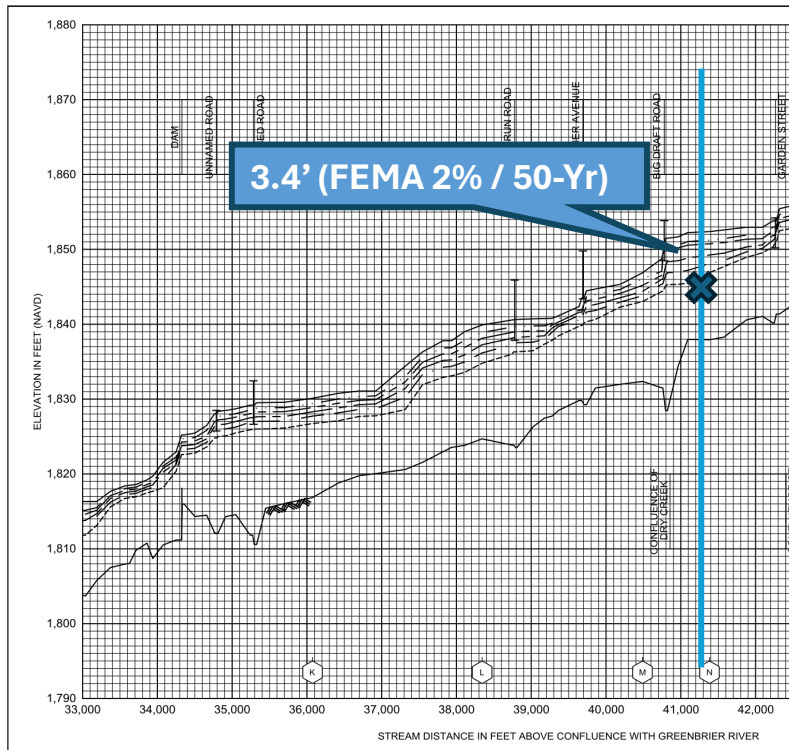
4% Probability of Flood in a year (25-year flood)

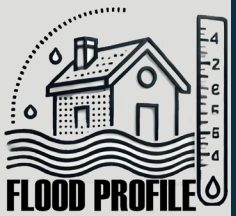


Villa-Ave

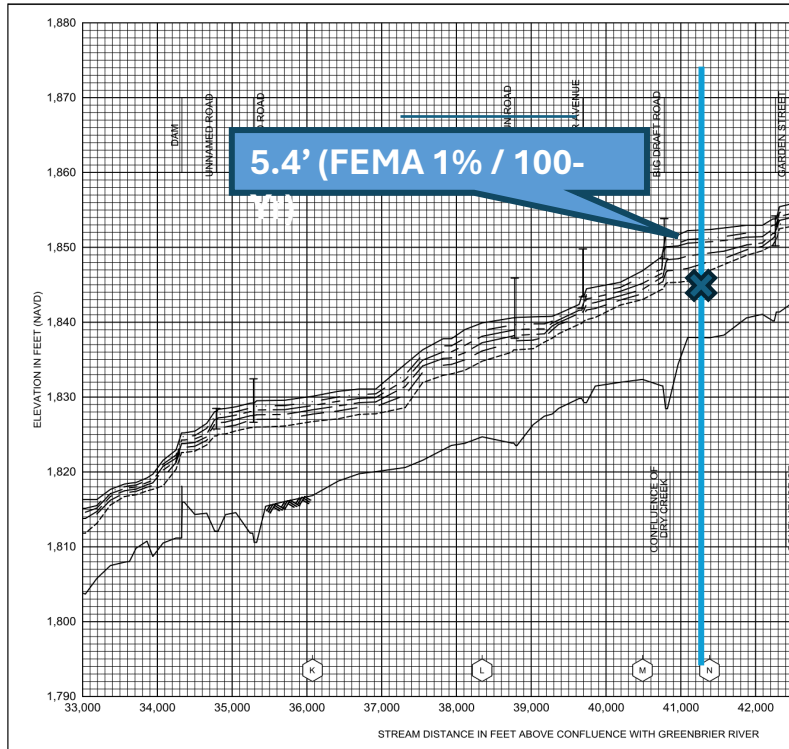


2% Probability of Flood in a year (50-year flood)

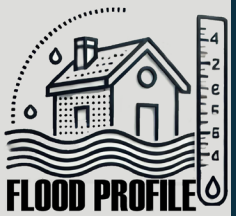




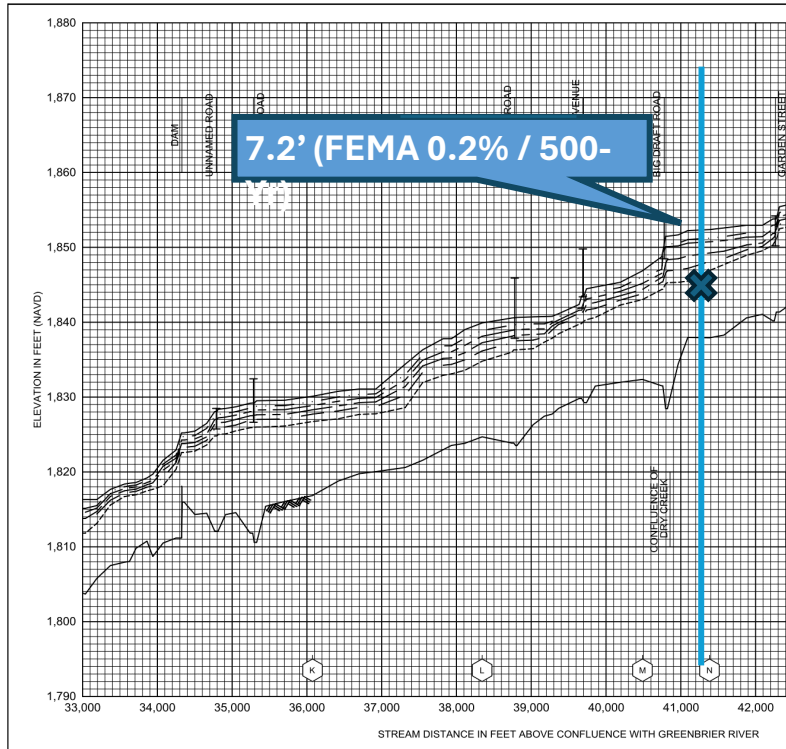
1% Probability of Flood in a year (100-year flood)



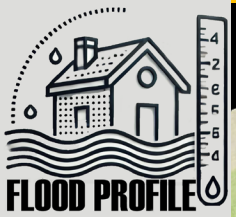
Villa-Ave



0.2% Probability of Flood in a year (500-year flood)

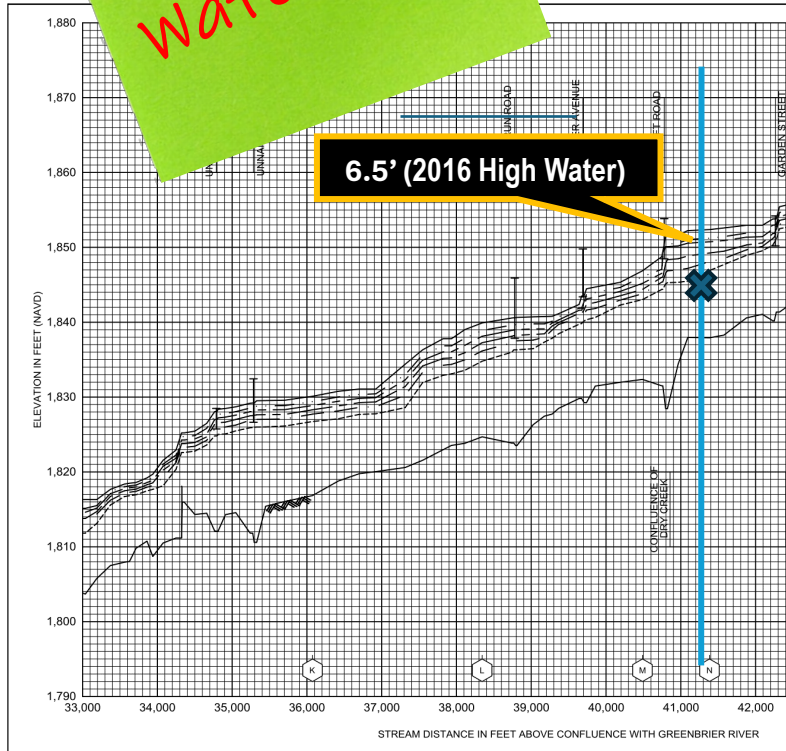


Villa Ave



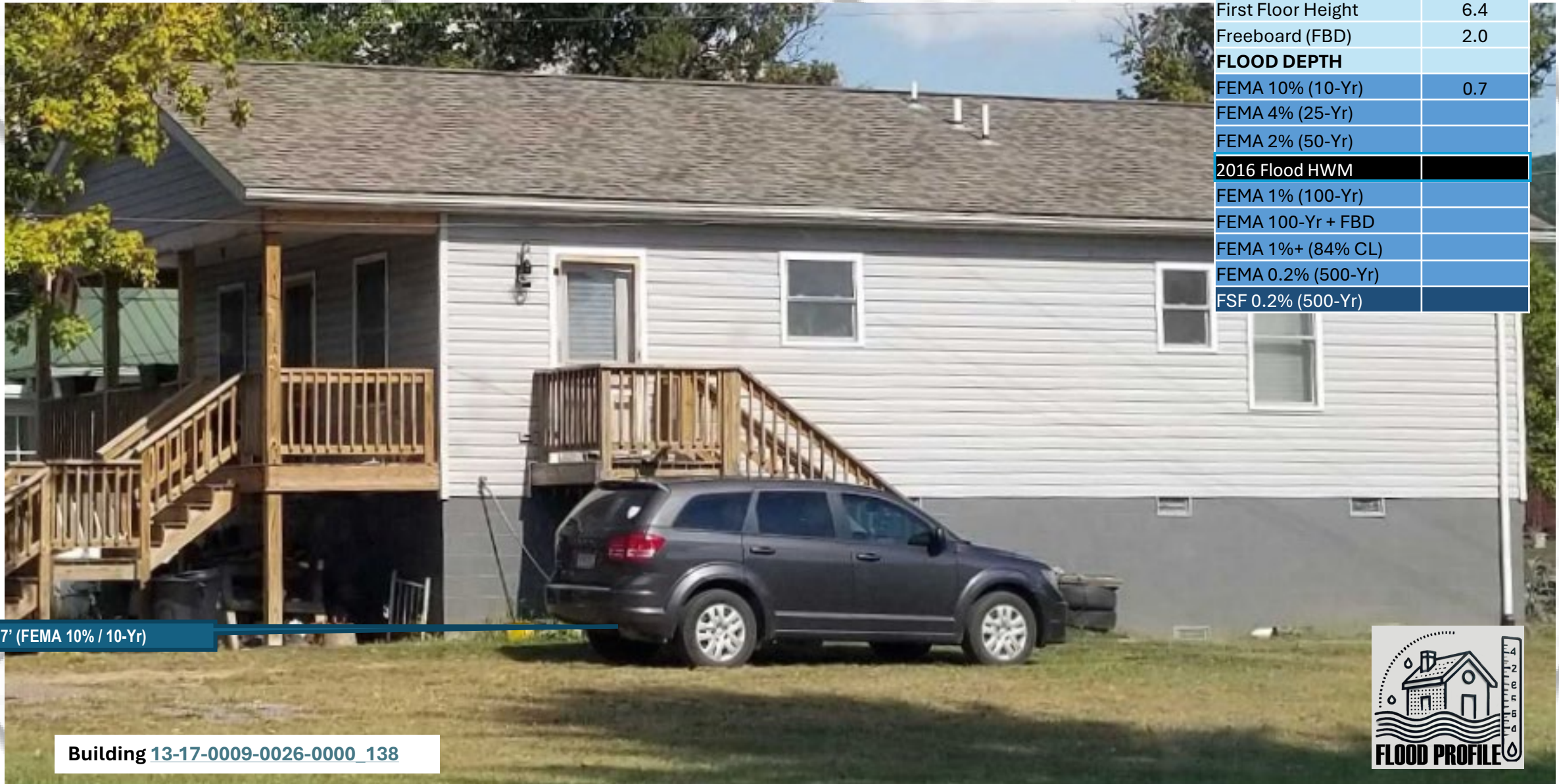
2016 High Watermark

High
Watermark



Villa-Ave

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.)
BUILDING	
First Floor Height	6.4
Freeboard (FBD)	2.0
FLOOD DEPTH	
FEMA 10% (10-Yr)	0.7
FEMA 4% (25-Yr)	
FEMA 2% (50-Yr)	
2016 Flood HWM	
FEMA 1% (100-Yr)	
FEMA 100-Yr + FBD	
FEMA 1%+ (84% CL)	
FEMA 0.2% (500-Yr)	
FSF 0.2% (500-Yr)	

0.7' (FEMA 10% / 10-Yr)

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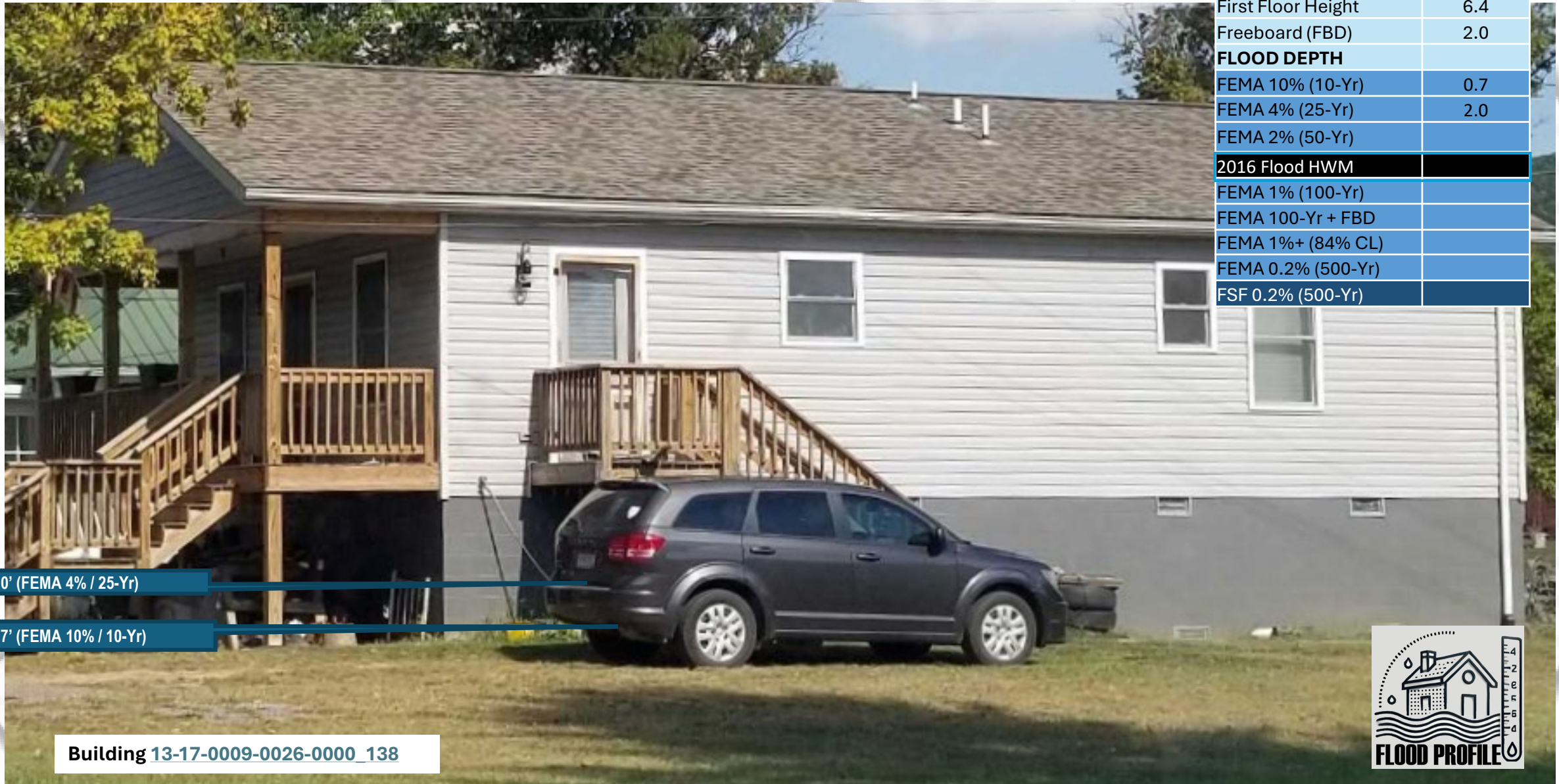
FLOOD DEPTHS:

FEMA, Effective 2023

First Street Foundation (FSF, 2022)

USGS 2016 Flood High Water Mark

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FEMA 2% (50-Yr)	
2016 Flood HWM	
FEMA 1% (100-Yr)	
FEMA 100-Yr + FBD	
FEMA 1%+ (84% CL)	
FEMA 0.2% (500-Yr)	
FSF 0.2% (500-Yr)	

2.0' (FEMA 4% / 25-Yr)

0.7' (FEMA 10% / 10-Yr)

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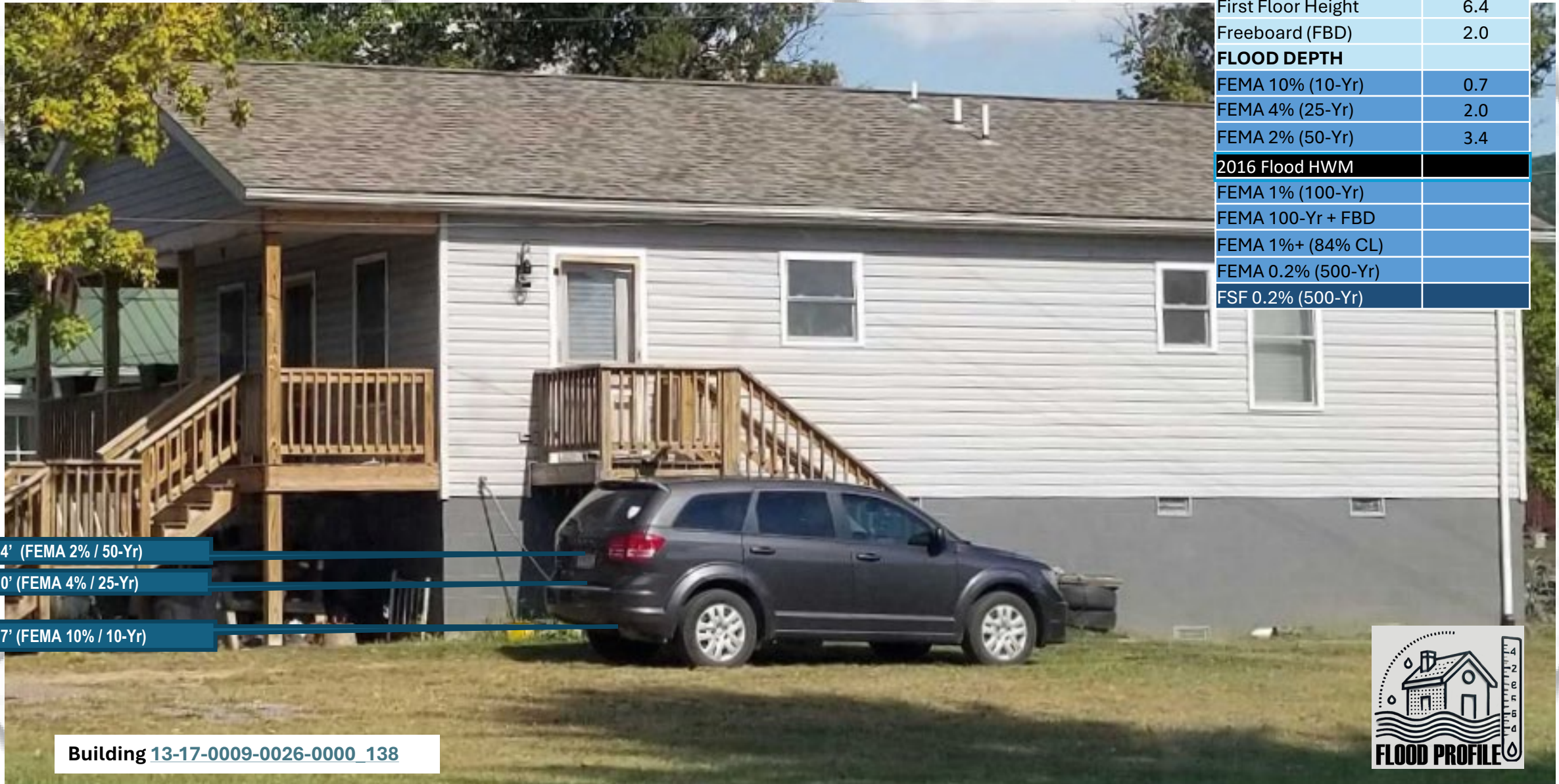
FLOOD DEPTHS:

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FEMA 2% (50-Yr)	3.4
2016 Flood HWM	
FEMA 1% (100-Yr)	
FEMA 100-Yr + FBD	
FEMA 1%+ (84% CL)	
FEMA 0.2% (500-Yr)	
FSF 0.2% (500-Yr)	

3.4' (FEMA 2% / 50-Yr)

2.0' (FEMA 4% / 25-Yr)

0.7' (FEMA 10% / 10-Yr)

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FEMA 2% (50-Yr)	3.4
2016 Flood HWM	
FEMA 1% (100-Yr)	5.4
FEMA 100-Yr + FBD	7.4
FEMA 1%+ (84% CL)	6.4
FEMA 0.2% (500-Yr)	
FSF 0.2% (500-Yr)	

6.4' FEMA 1%+ (84% CL)

5.4' (FEMA 1% / 100-Yr)

3.4' (FEMA 2% / 50-Yr)

2.0' (FEMA 4% / 25-Yr)

0.7' (FEMA 10% / 10-Yr)

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BUILDING	
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Freeboard (FBD)	2.0
FLOOD DEPTH	
FEMA 10% (10-Yr)	0.7
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)	
FSF 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)

0.7' (FEMA 10% / 10-Yr)

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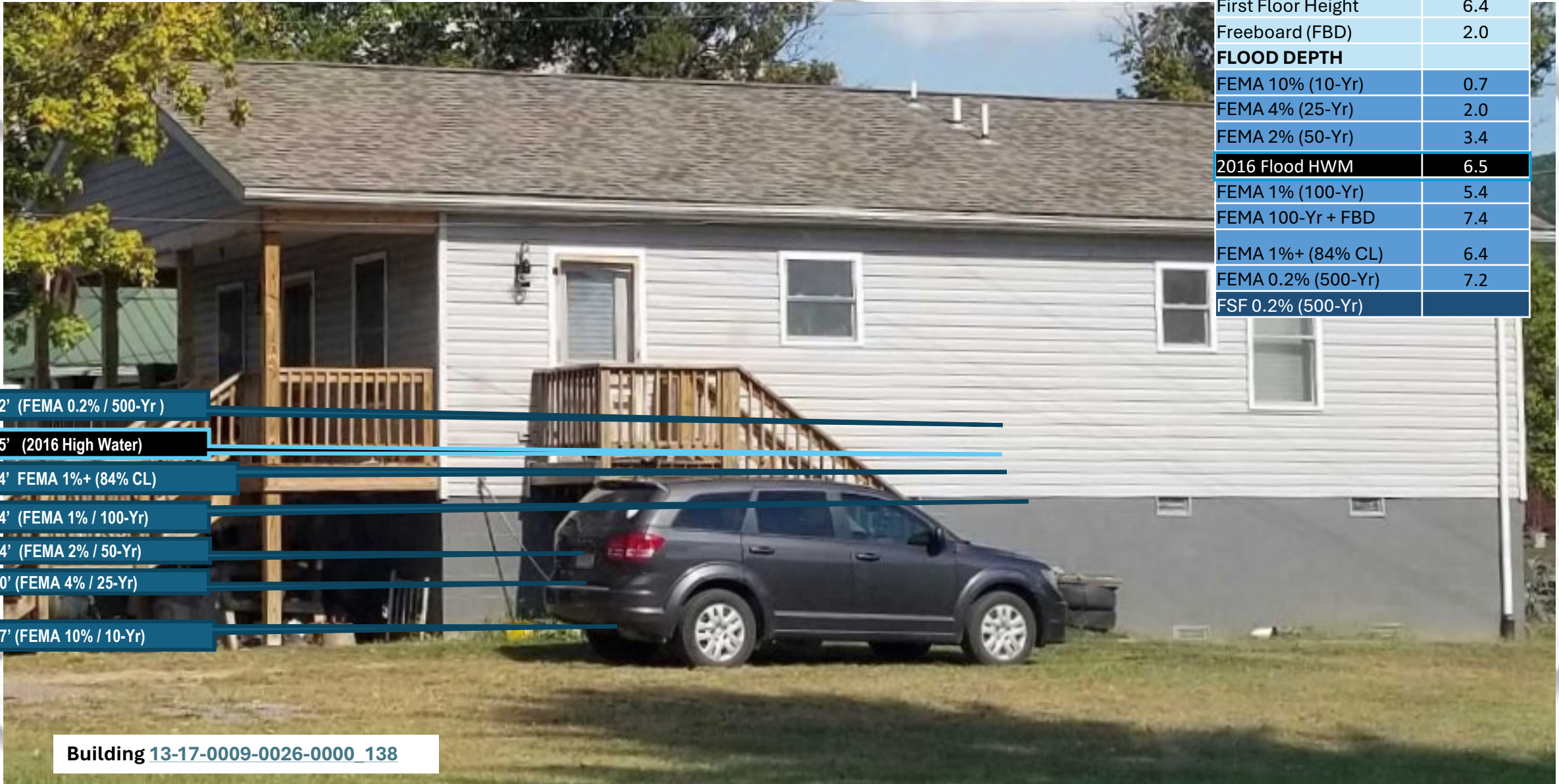
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FEMA, Effective 2023

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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)	

7.2' (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)

0.7' (FEMA 10% / 10-Yr)

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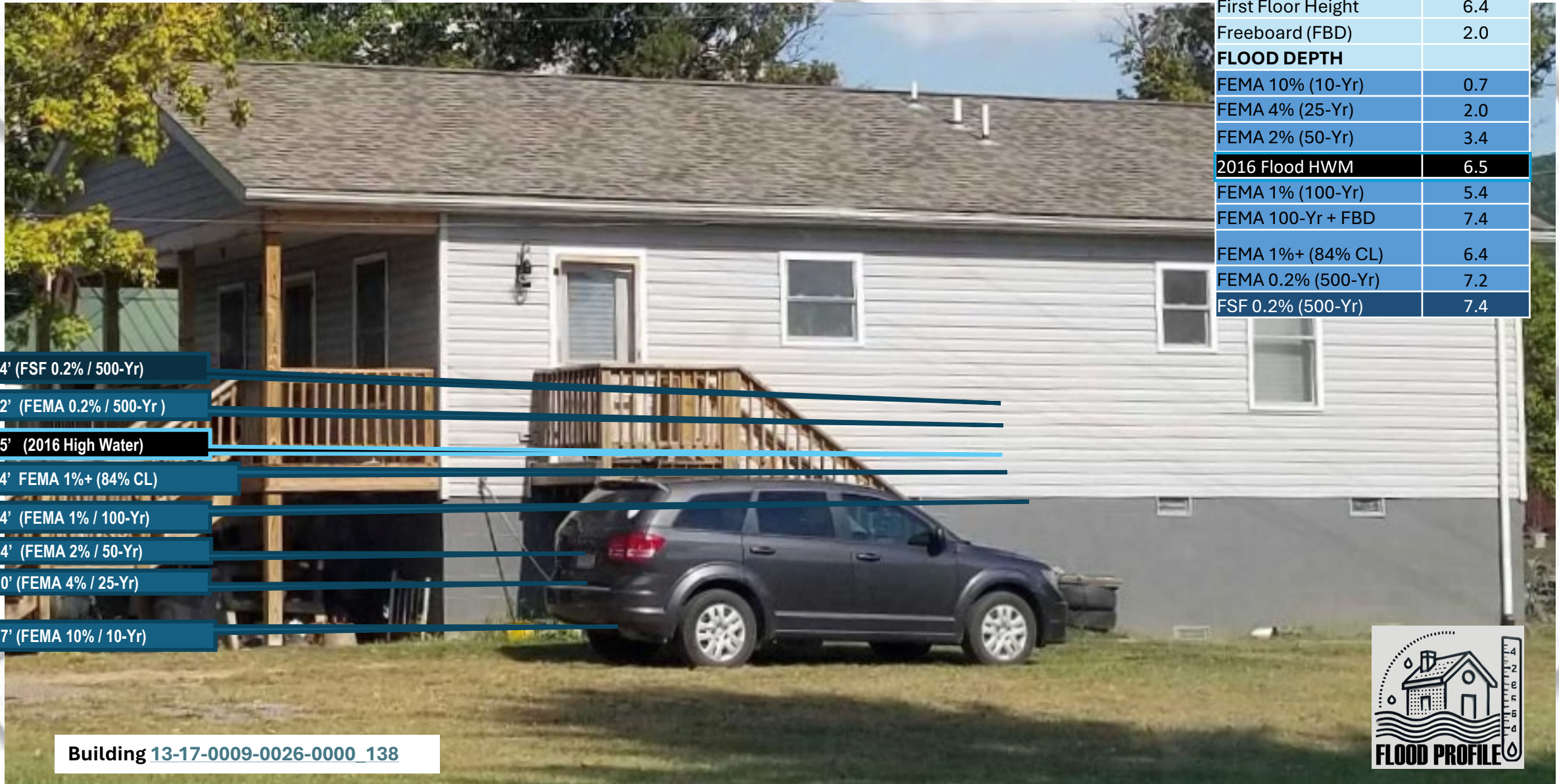
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FEMA 1% (100-Yr)	5.4
FEMA 100-Yr + FBD	7.4
FEMA 1%+ (84% CL)	6.4
FEMA 0.2% (500-Yr)	7.2
FSF 0.2% (500-Yr)	7.4

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)

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0.7' (FEMA 10% / 10-Yr)

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