

# Building Flood Profile

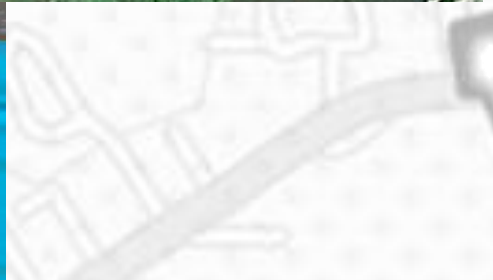
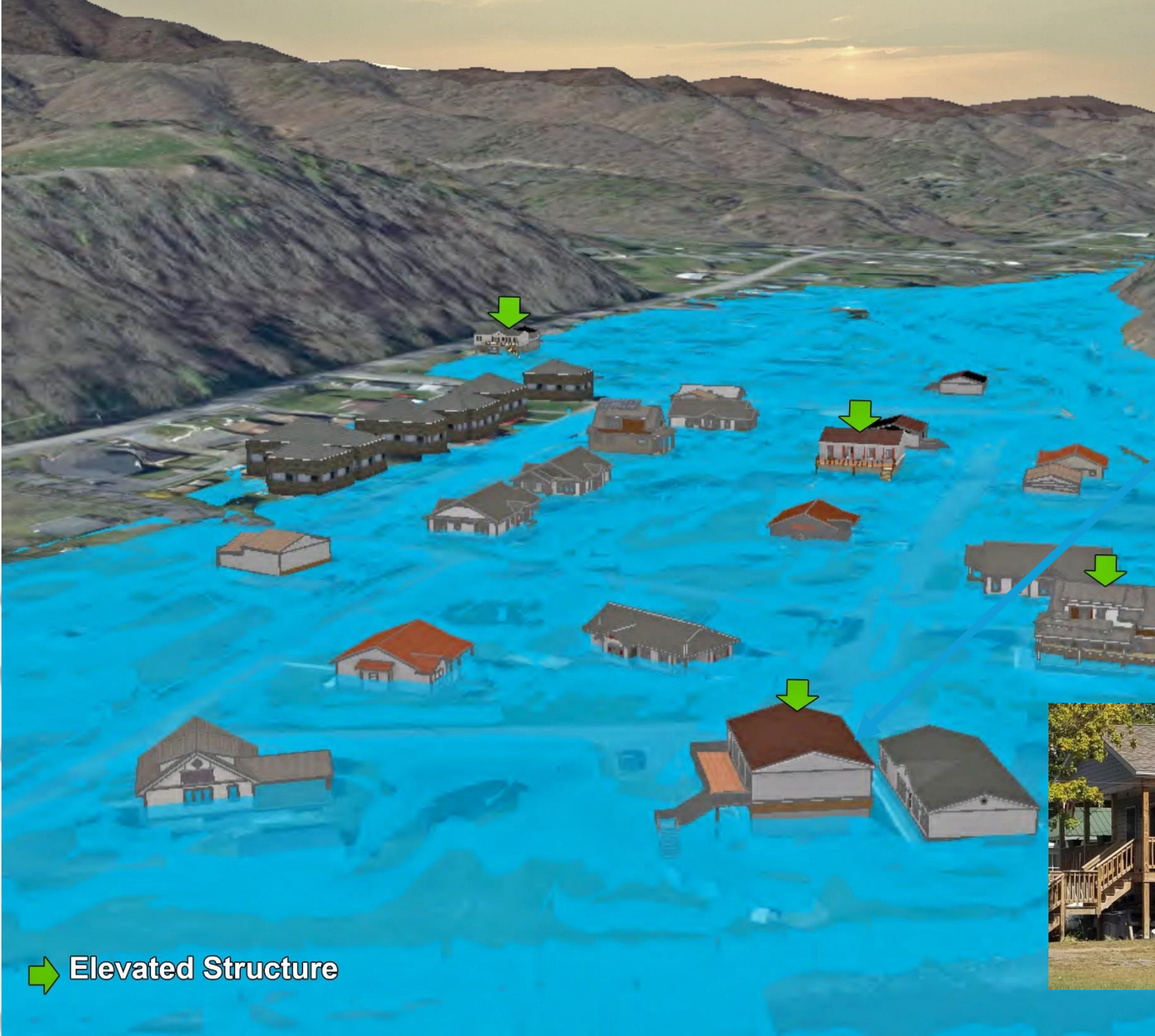
 Elevated Structures



## White Sulphur Springs



# Building Flood Profile



➡ Elevated Structure

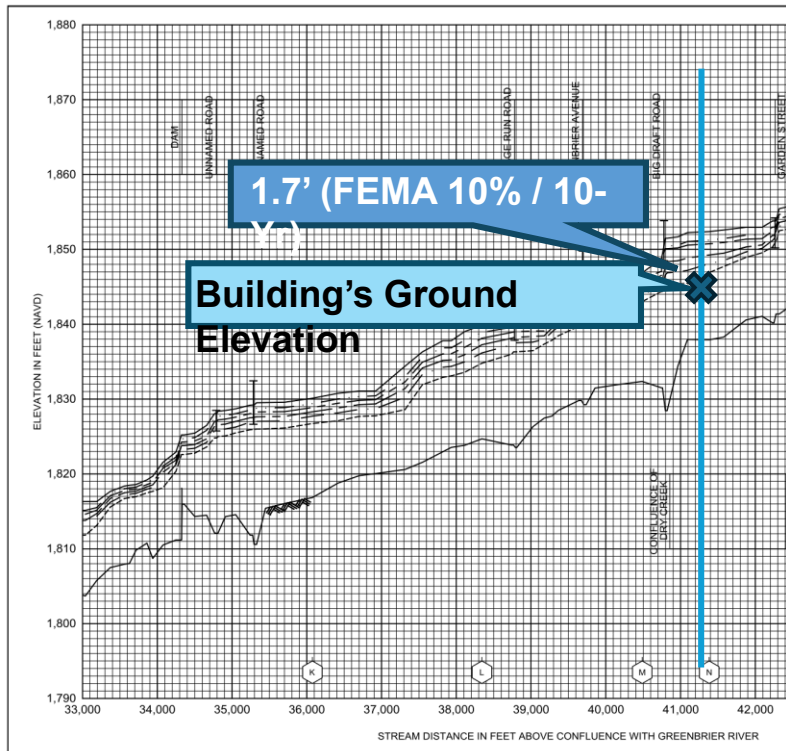
# Building Flood Profile



138 Mill Street, White Sulphur Springs, WV,  
24986

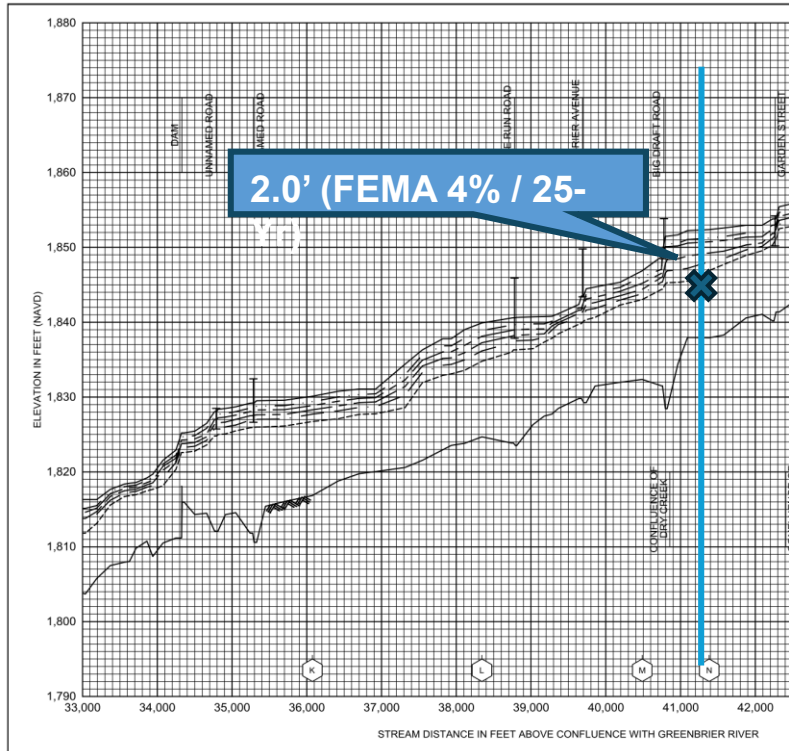
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# 10% Probability of Flood in a year (10-year flood)



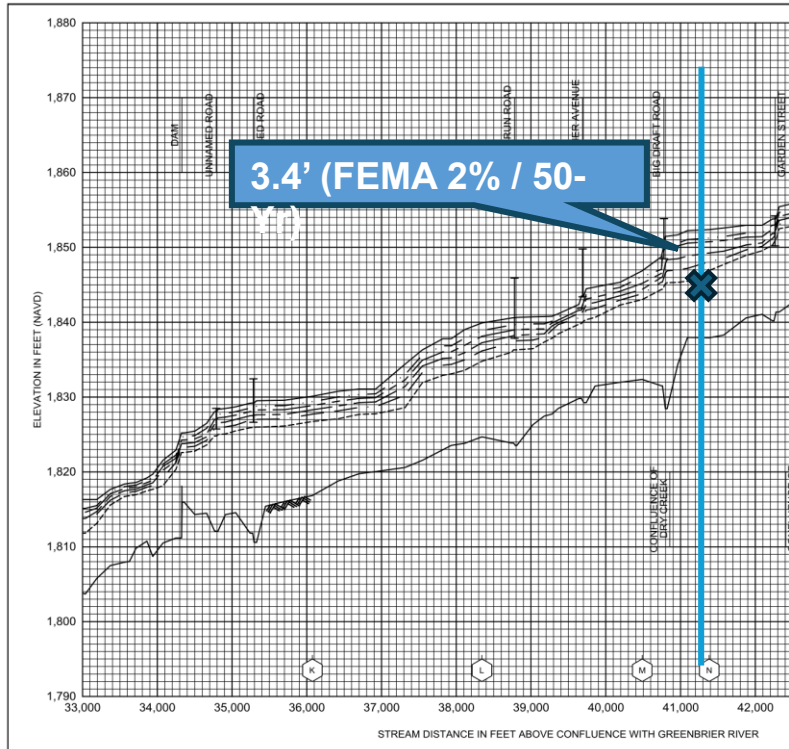
Villa Ave

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



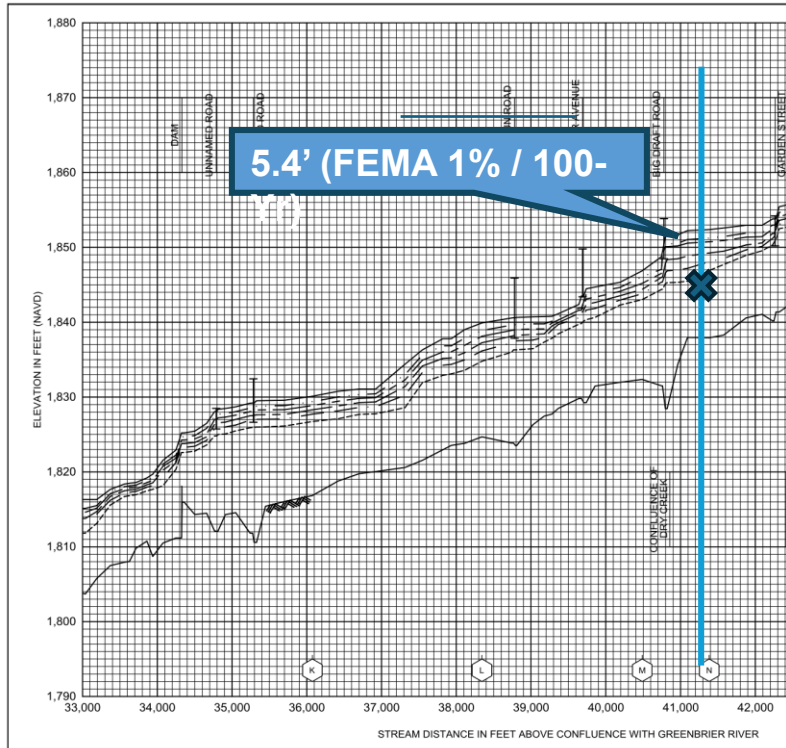
Villa Ave

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



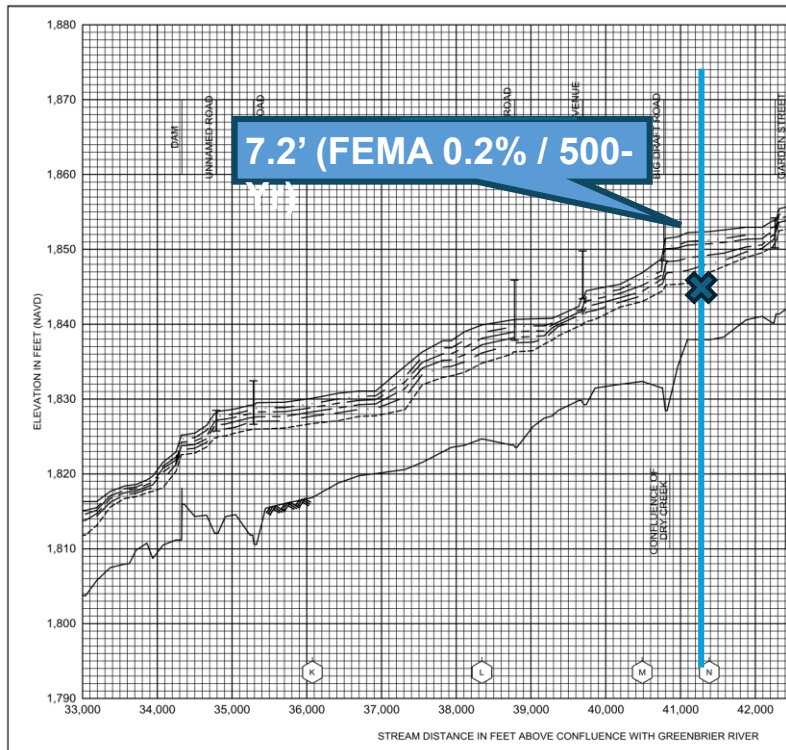
Villa Ave

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



Villa Ave

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

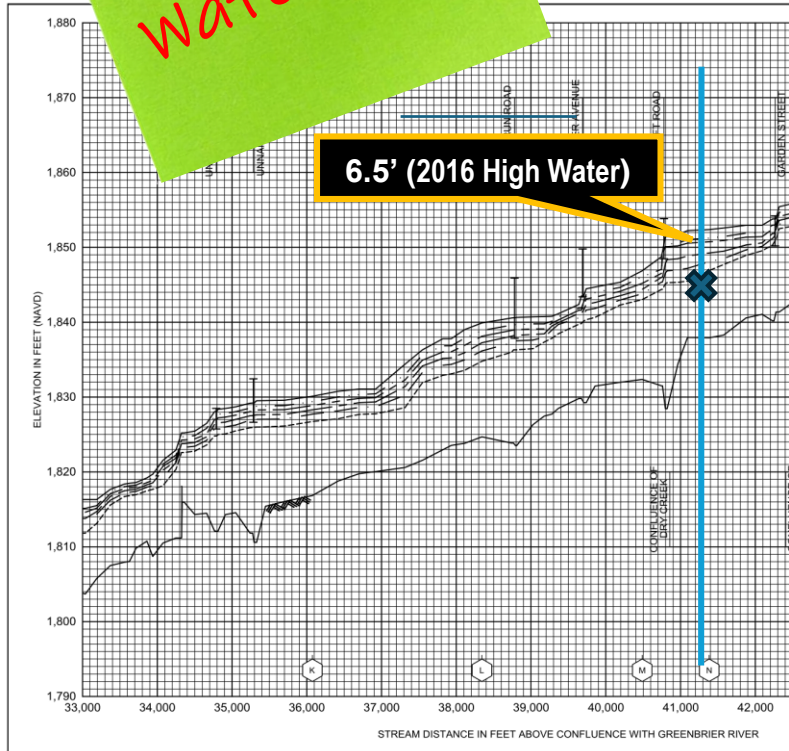


Villa Ave



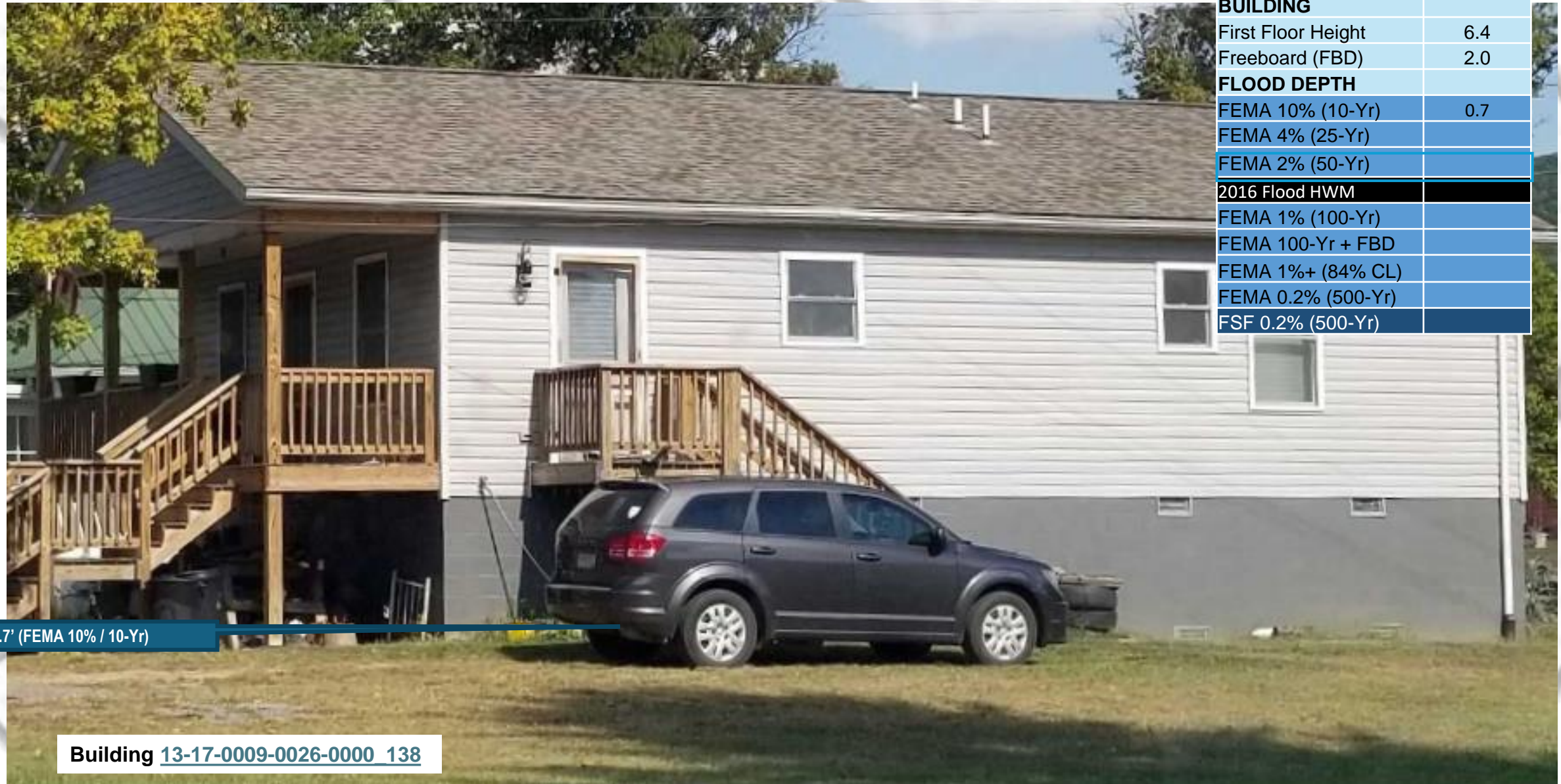
# 2016 High Watermark

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.



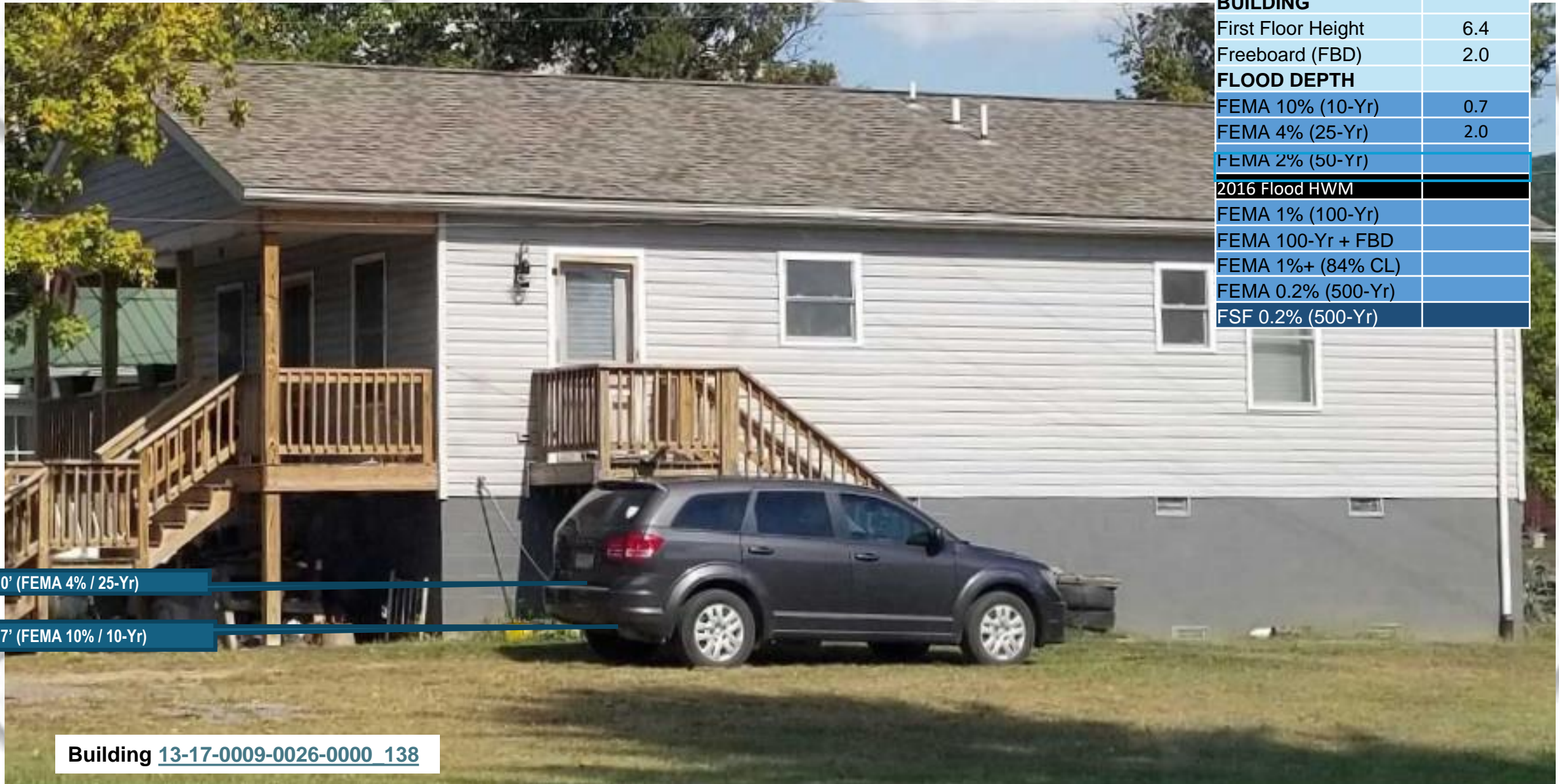
	HEIGHT (ft.)
<b>BUILDING</b>	
First Floor Height	6.4
Freeboard (FBD)	2.0
<b>FLOOD DEPTH</b>	
FEMA 10% (10-Yr)	0.7
FEMA 4% (25-Yr)	
FEMA 2% (50-Yr)	
<b>2016 Flood HWM</b>	
FEMA 1% (100-Yr)	
FEMA 100-Yr + FBD	
FEMA 1%+ (84% CL)	
FEMA 0.2% (500-Yr)	
FSF 0.2% (500-Yr)	

0.7' (FEMA 10% / 10-Yr)

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FLOOD DEPTHS:  FEMA  First Street Foundation (FSF)  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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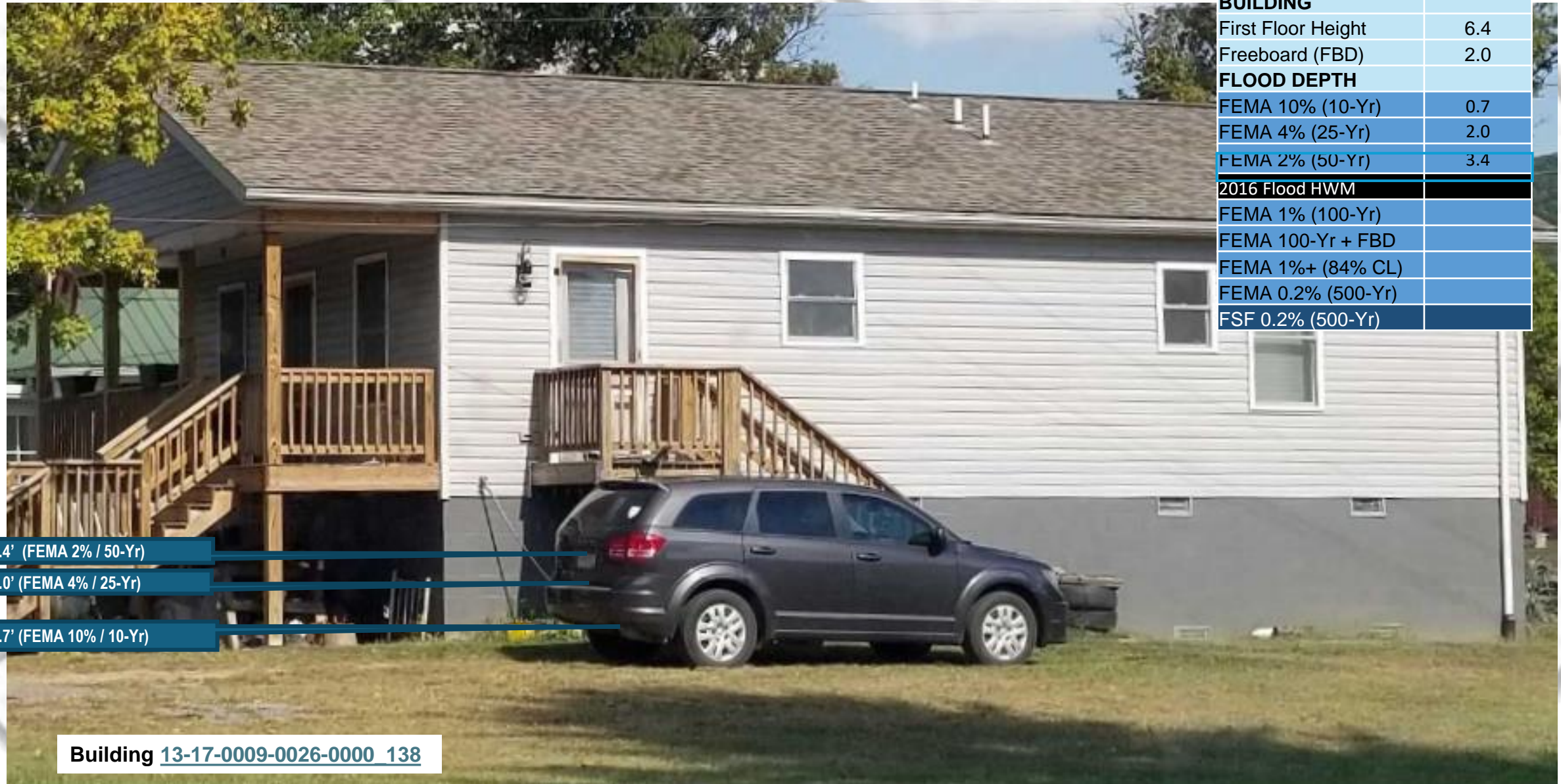
FLOOD DEPTHS:

FEMA

First Street Foundation (FSF)

USGS 2016 Flood High Water Mark

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<b>2016 Flood HWM</b>	
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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FLOOD DEPTHS:

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FEMA 2% (50-Yr)	3.4
<b>2016 Flood HWM</b>	
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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<b>FLOOD DEPTH</b>	
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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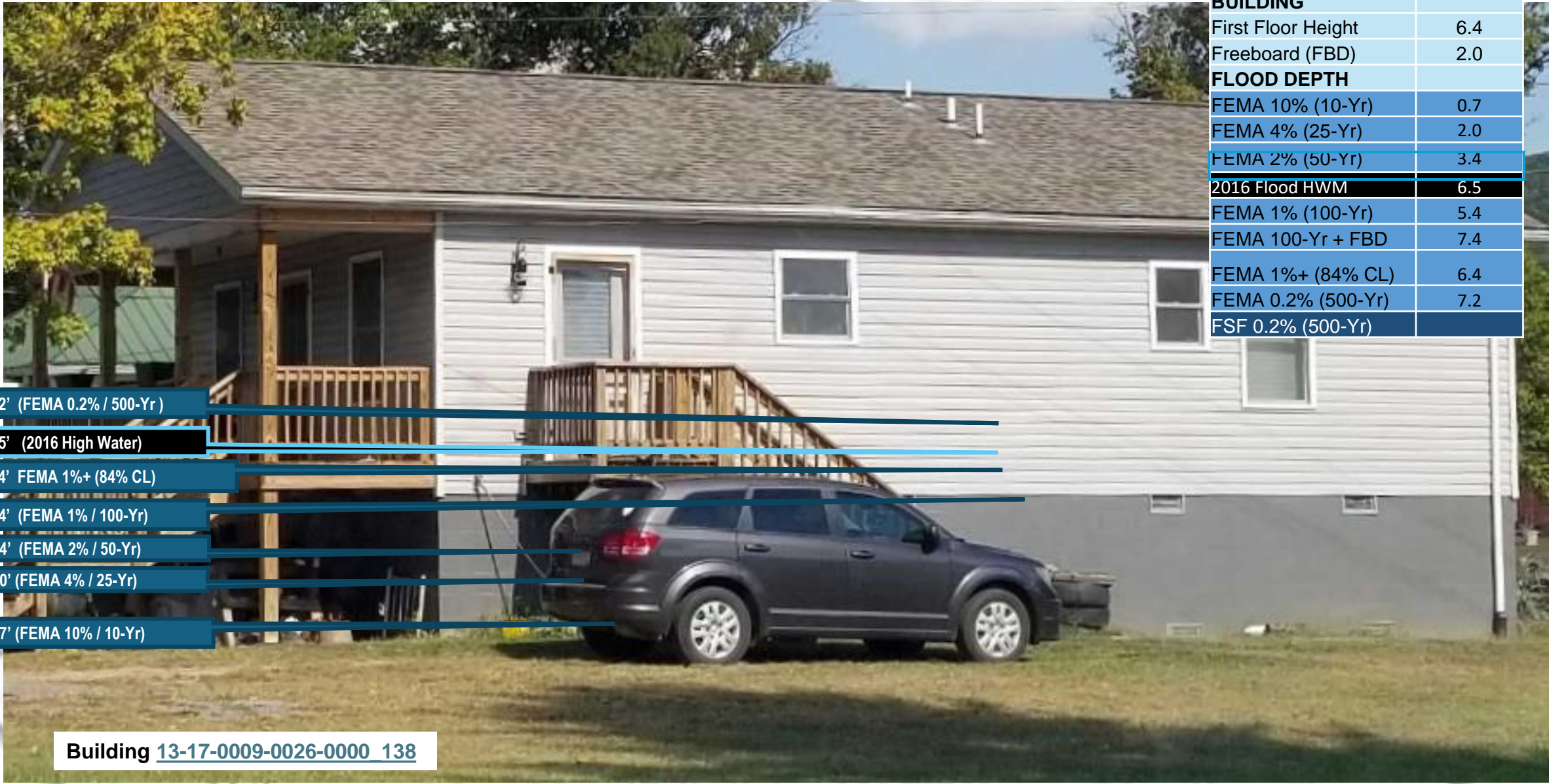
FLOOD DEPTHS:

 FEMA

 First Street Foundation (FSF)

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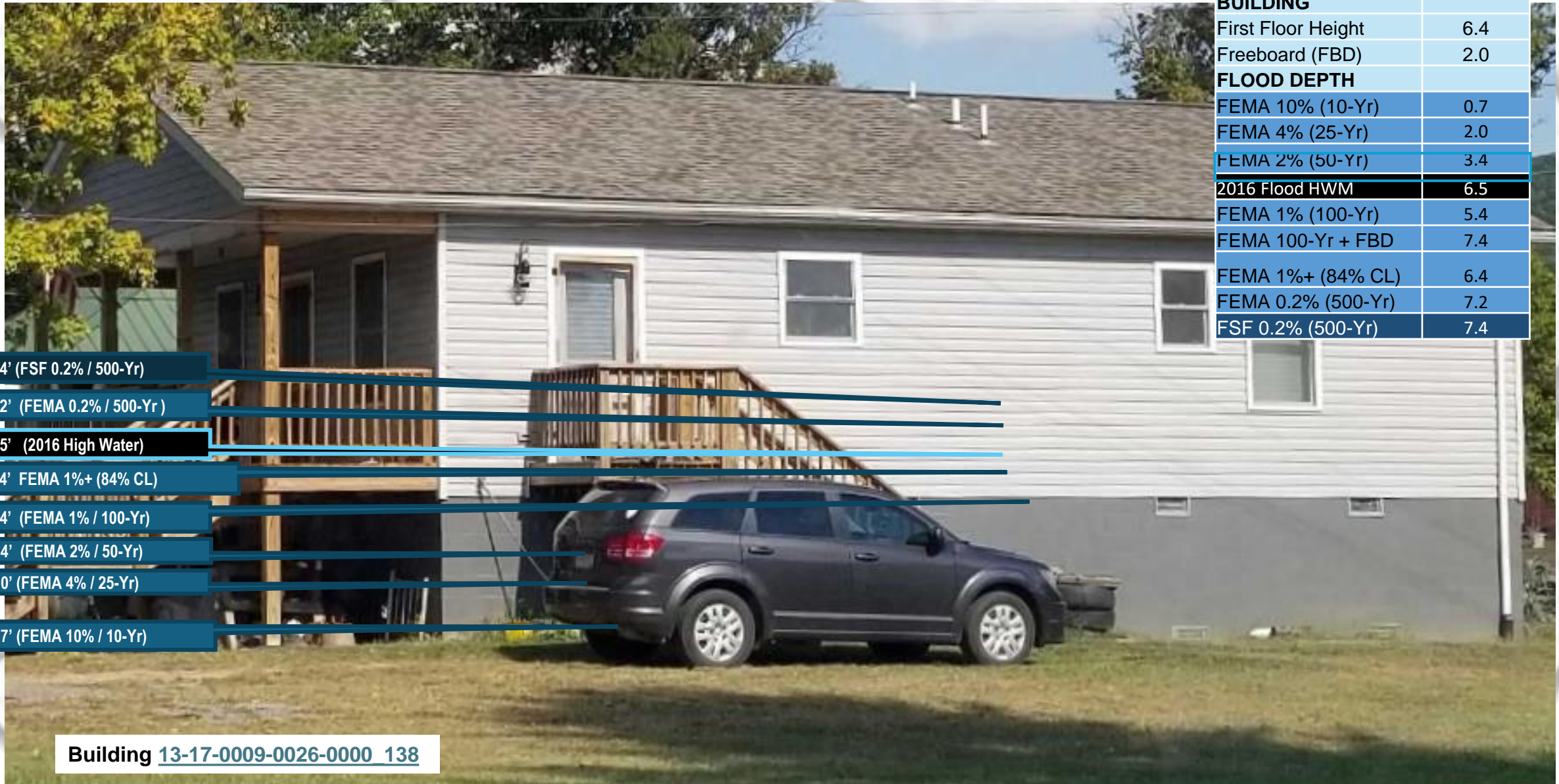


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FEMA 2% (50-Yr)	3.4
<b>2016 Flood HWM</b>	<b>6.5</b>
FEMA 1% (100-Yr)	5.4
FEMA 100-Yr + FBD	7.4
FEMA 1%+ (84% CL)	6.4
FEMA 0.2% (500-Yr)	7.2
FSF 0.2% (500-Yr)	

- 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)
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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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FLOOD DEPTHS:

 FEMA

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 USGS 2016 Flood High Water Mark