

Appendix I -

PCSWMM Modeling Results (per Area of Interest)

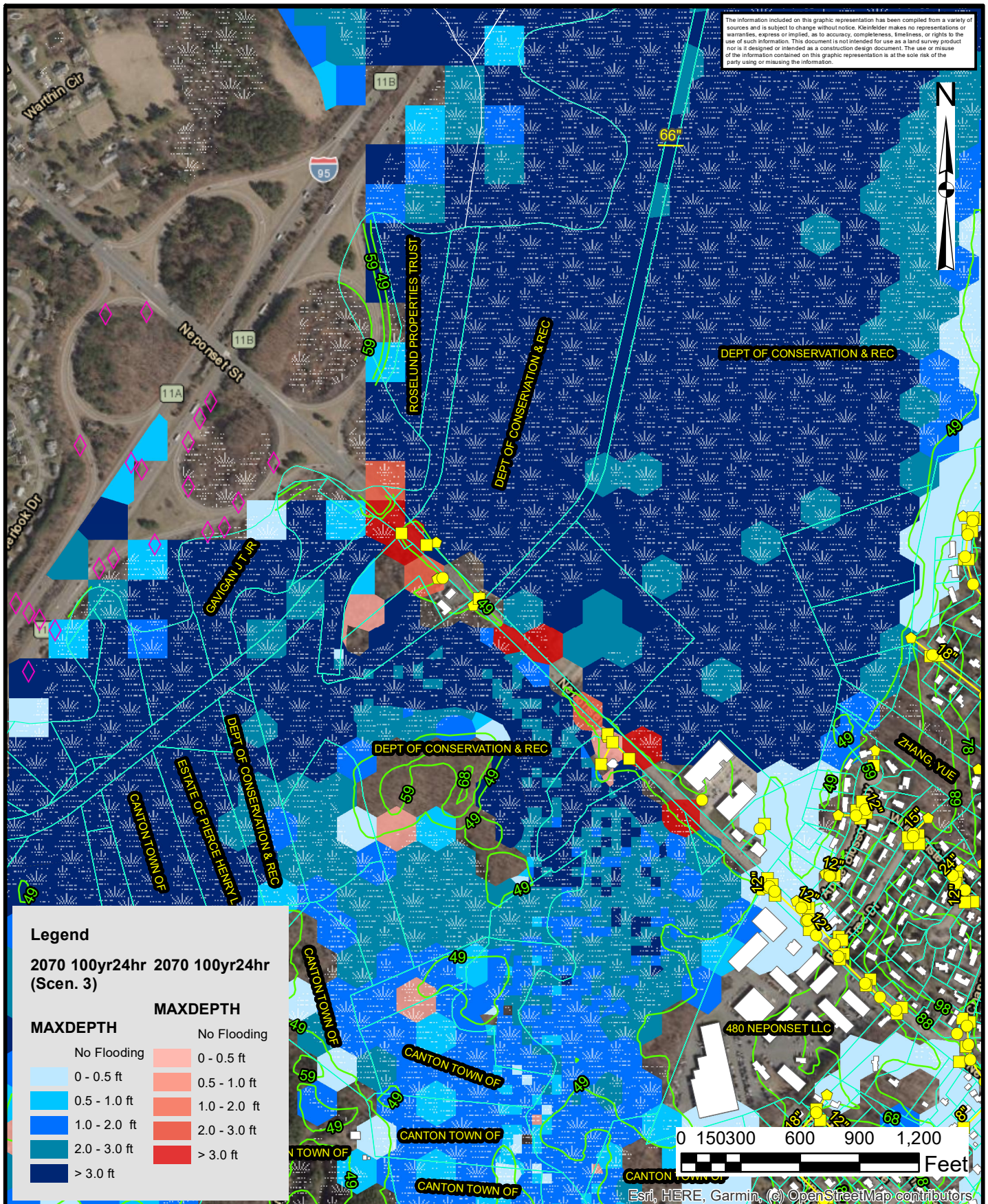
Mitigation Scenario #3

Mitigation Scenario #3

Flood Extents & Depth after mitigation strategies
for 2070 100-year, 24 hour event (Blue)

vs.

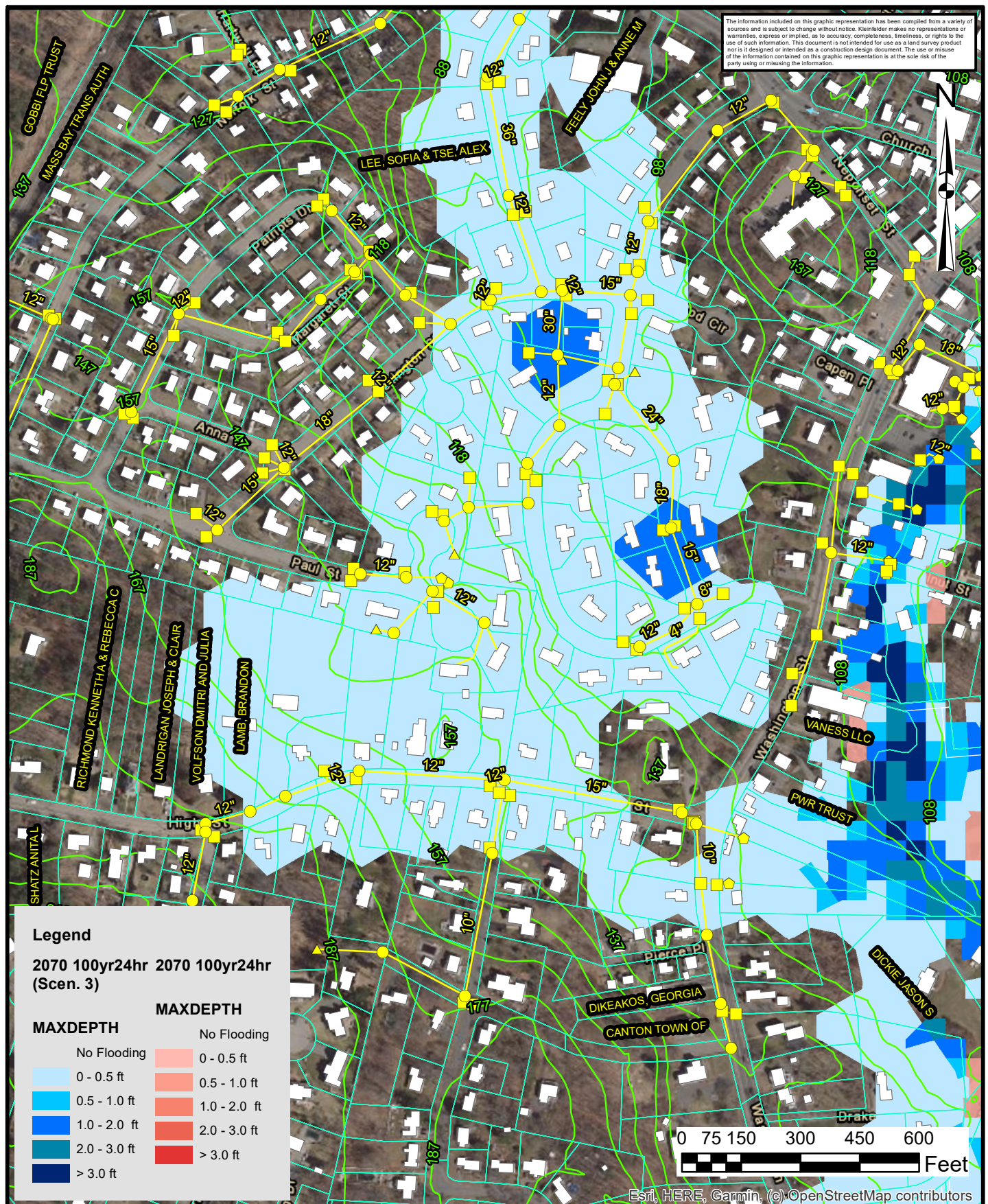
Flood Extents & Depth (Red) without mitigation
for 2070 100-year, 24 hour event



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**Neponset St.
 at Neponset River (zoomed out)**
 Town of Canton, MA
 Municipal Vulnerability Preparedness FY20 Action Grant
 Flooding - Areas of Interest

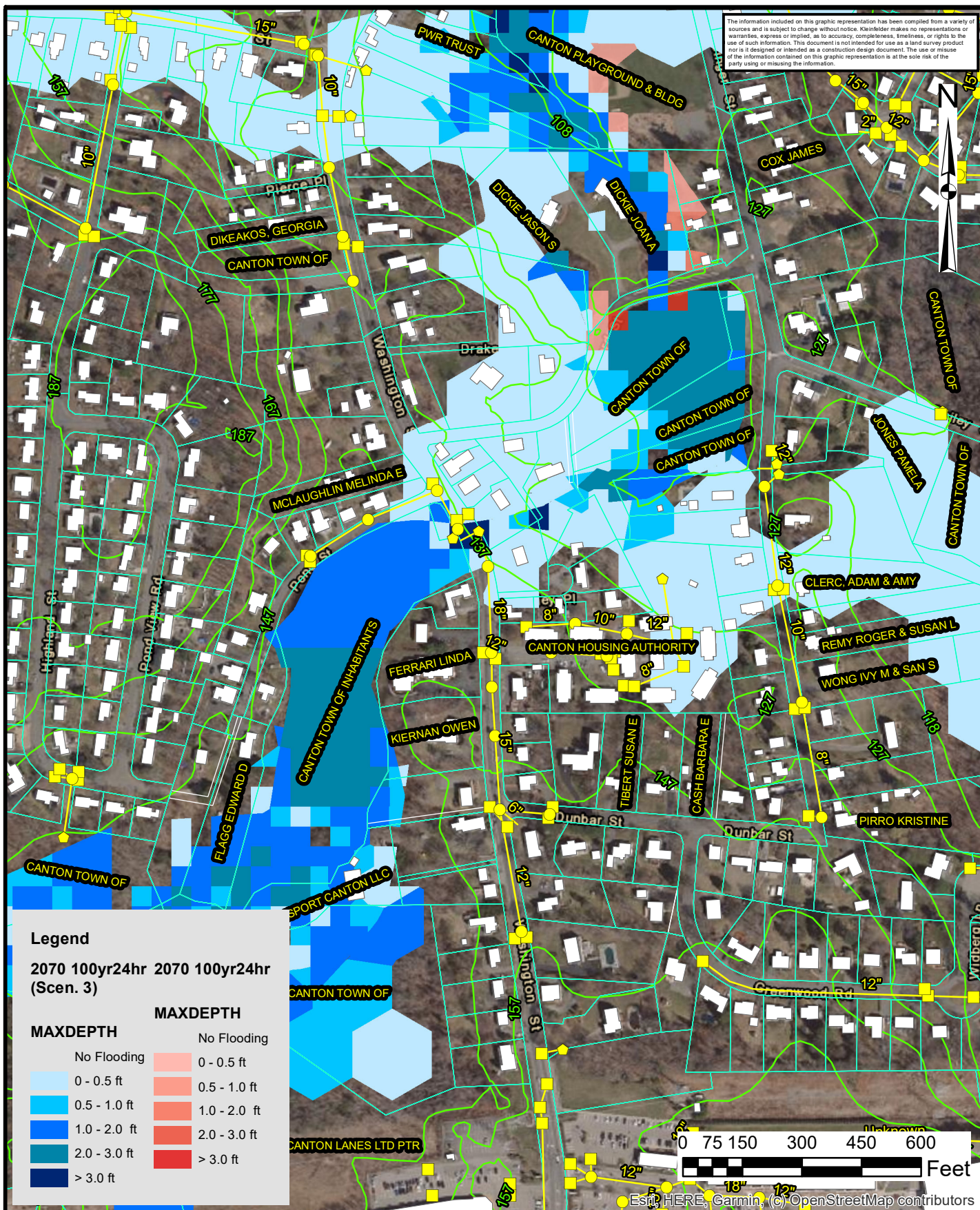
FIGURE
1



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**Washington St.
 & High St.**
 Town of Canton, MA
 Municipal Vulnerability Preparedness FY20 Action Grant
 Flooding - Areas of Interest

FIGURE
2a



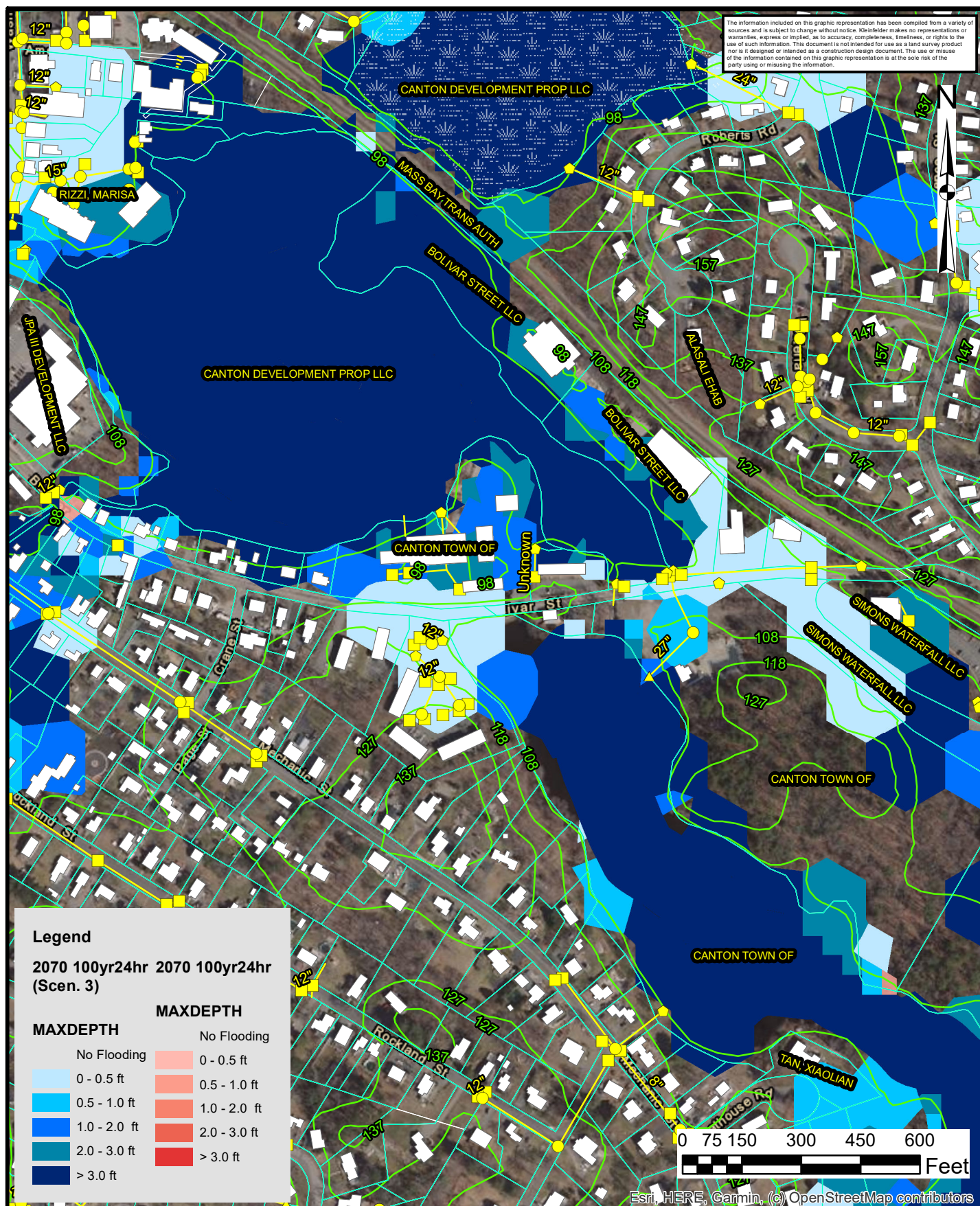
PROJECT NO.	20203163.001A
CREATED:	6/17/2021
CREATED BY:	LHowe
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FILE NAME:	Field Maps_KLF_revJune2021.mxd

**Washington St.
at Shepard Pond**

Town of Canton, MA
Municipal Vulnerability Preparedness FY20 Action Grant
Flooding - Areas of Interest

FIGURE

2b



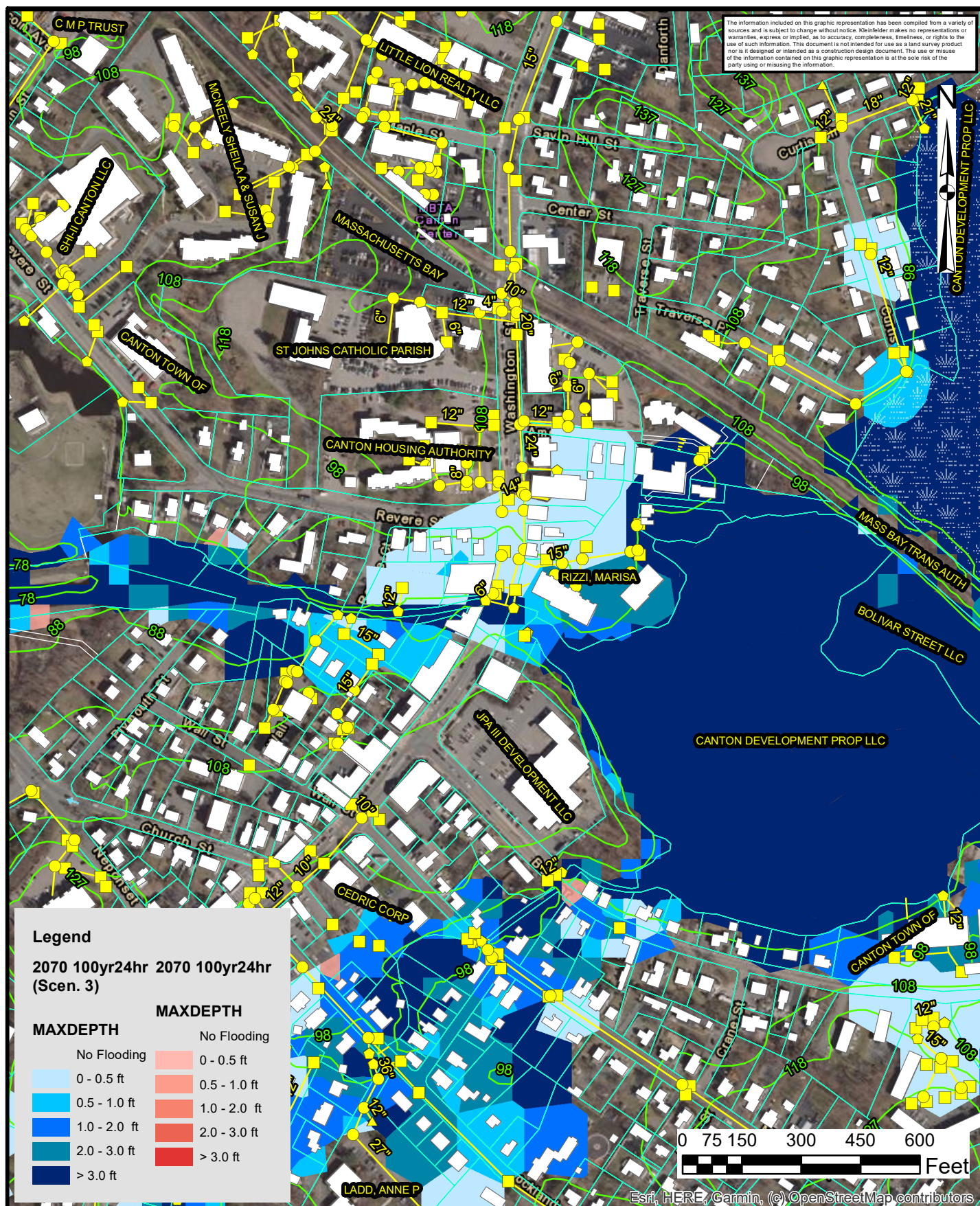
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**Bolivar St.
 at Bolivar Pond**

Town of Canton, MA
 Municipal Vulnerability Preparedness FY20 Action Grant
 Flooding - Areas of Interest

FIGURE

3a



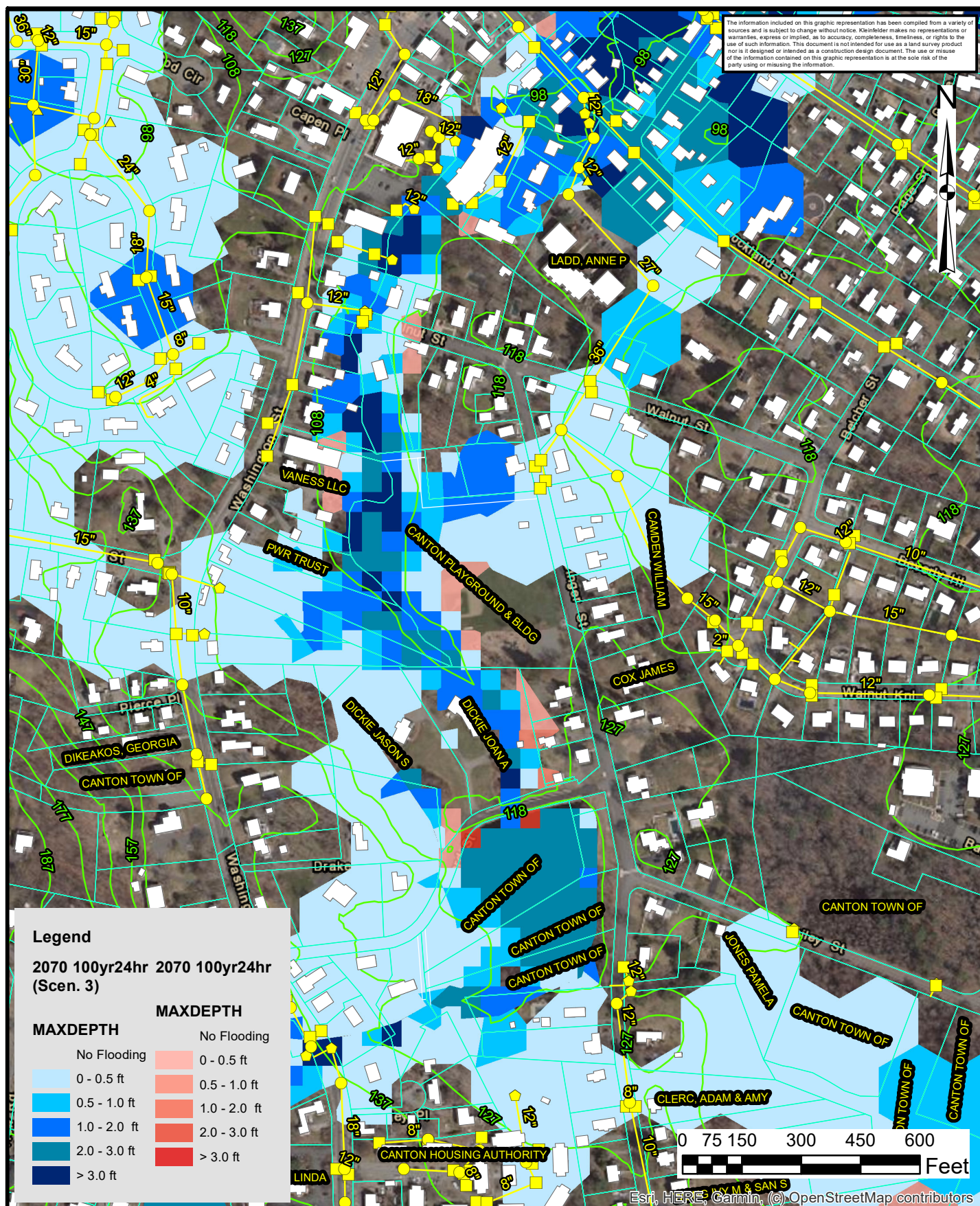
PROJECT NO. 20203163.001A
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CREATED BY: LHowe
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**Washington St.
at Forge Pond Dam**

Town of Canton, MA
Municipal Vulnerability Preparedness FY20 Action Grant
Flooding - Areas of Interest

FIGURE

3b



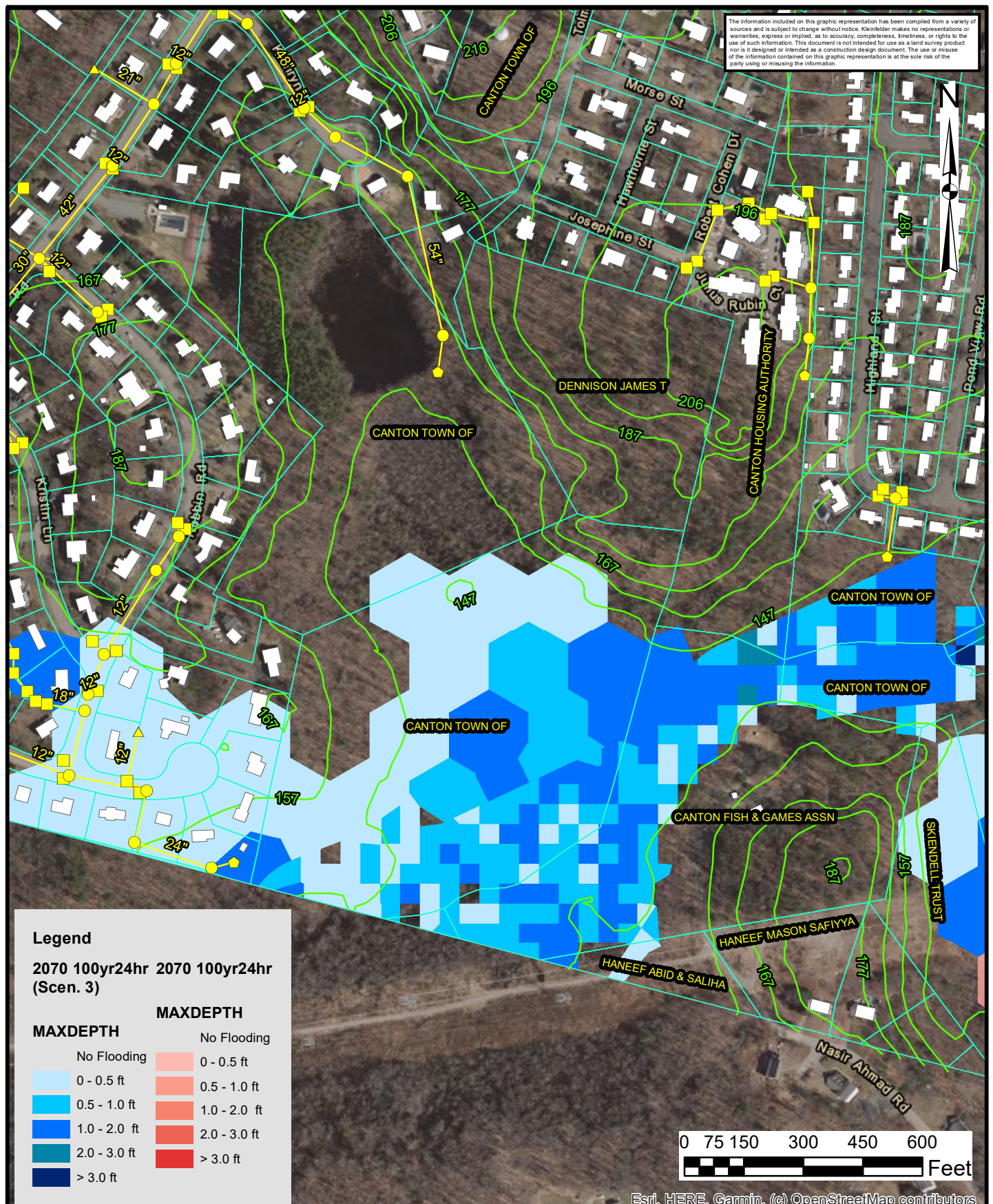
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**Messinger Park
 Massapoag Brook**

Town of Canton, MA
 Municipal Vulnerability Preparedness FY20 Action Grant
 Flooding - Areas of Interest

FIGURE

4

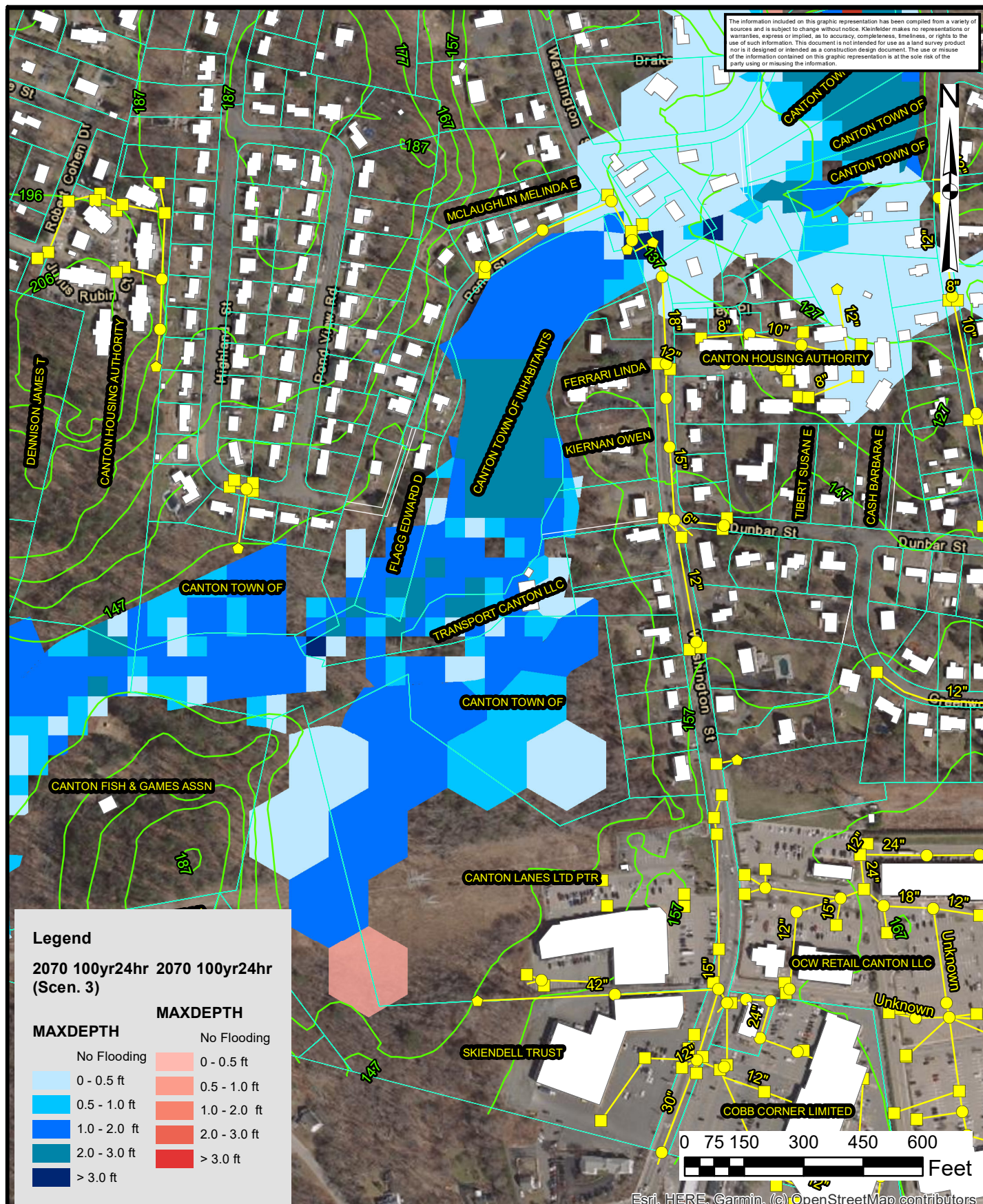


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**Tolman S. Conservation Area
Massapoag Brook**

Town of Canton, MA
Municipal Vulnerability Preparedness FY20 Action Grant
Flooding - Areas of Interest

FIGURE
5a



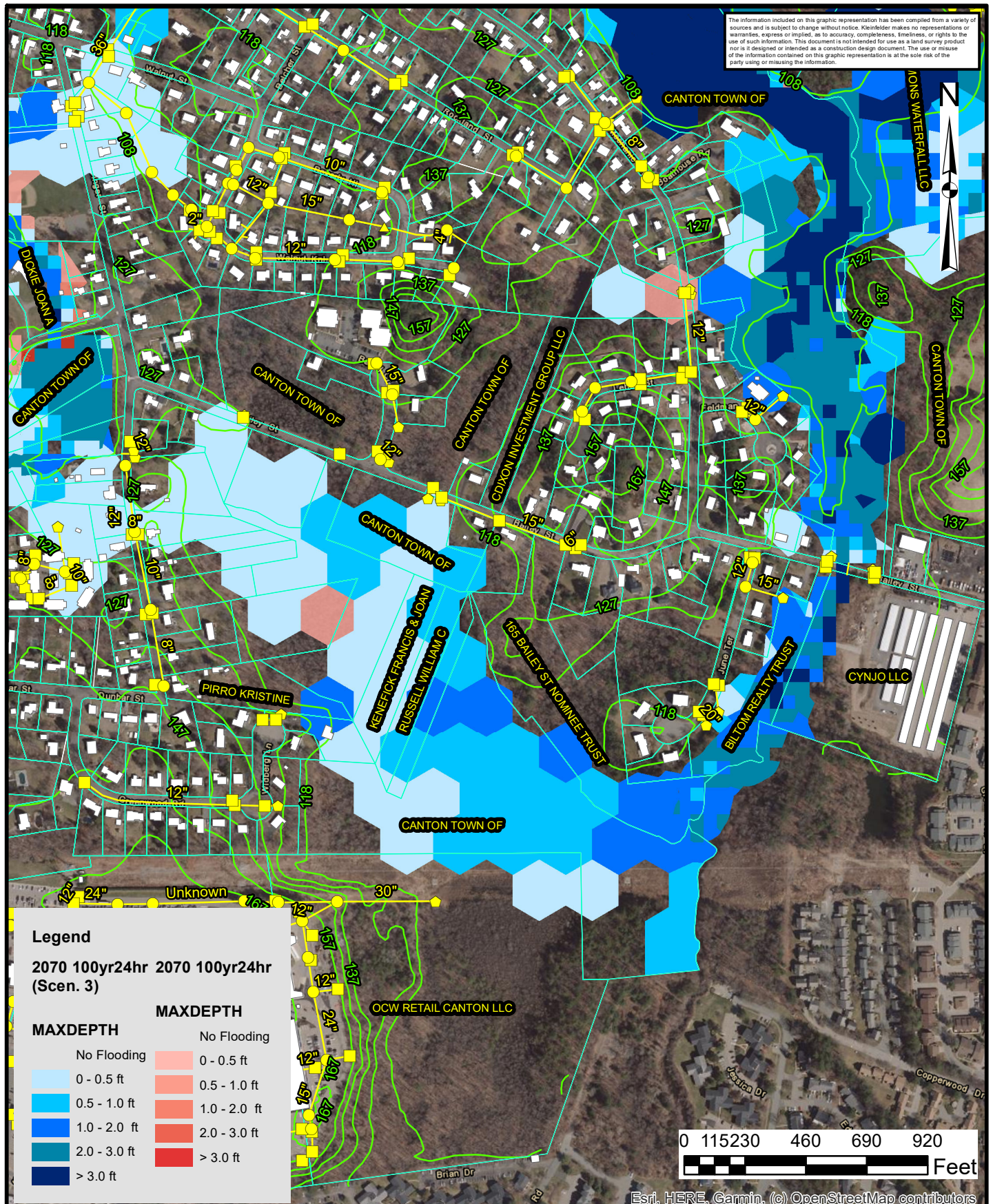
PROJECT NO. 20203163.001A
CREATED: 6/17/2021
CREATED BY: LHowe
CHECKED BY: KJohnson
FILE NAME: Field Maps_KLF_revJune2021.mxd

**Shepard Pond
Massapoag Brook**

Town of Canton, MA
Municipal Vulnerability Preparedness FY20 Action Grant
Flooding - Areas of Interest

FIGURE

5b

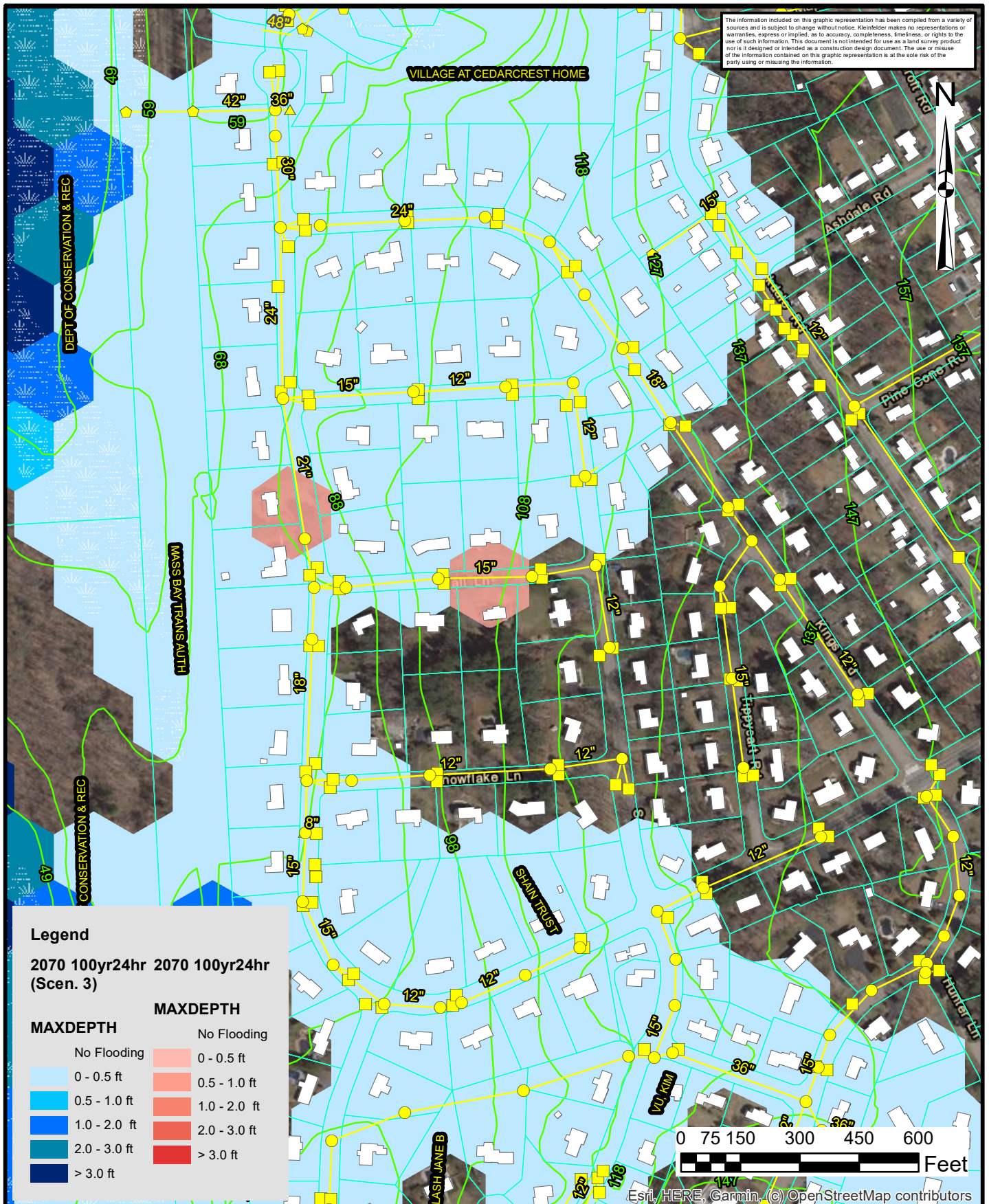


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**Bailey Ct. Conservation Area
 Massapoag Brook**

Town of Canton, MA
 Municipal Vulnerability Preparedness FY20 Action Grant
 Flooding - Areas of Interest

FIGURE
5c

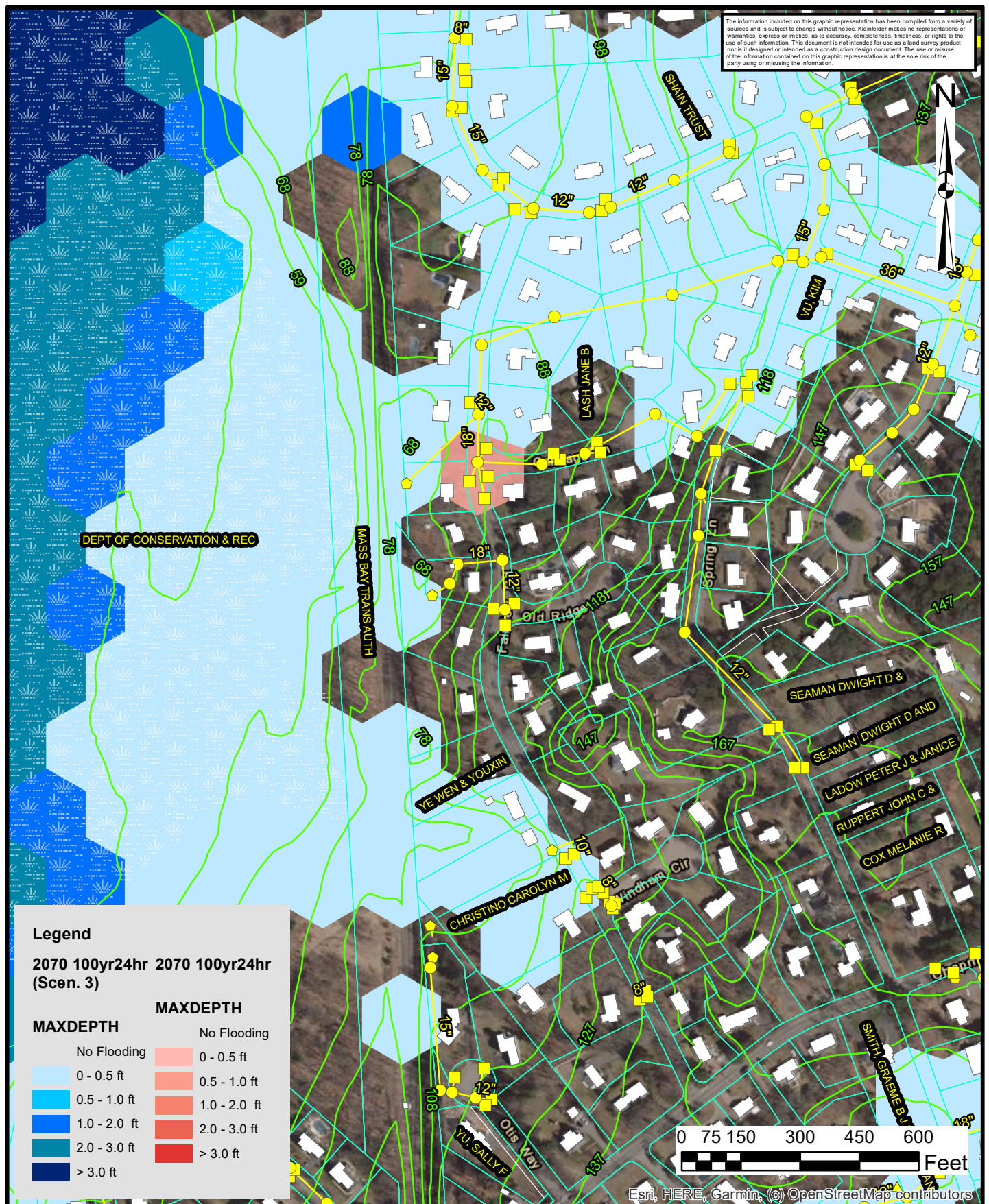


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**Cedarcrest and Kings Rd.
West of JFK School**

Town of Canton, MA
Municipal Vulnerability Preparedness FY20 Action Grant
Flooding - Areas of Interest

FIGURE
6a

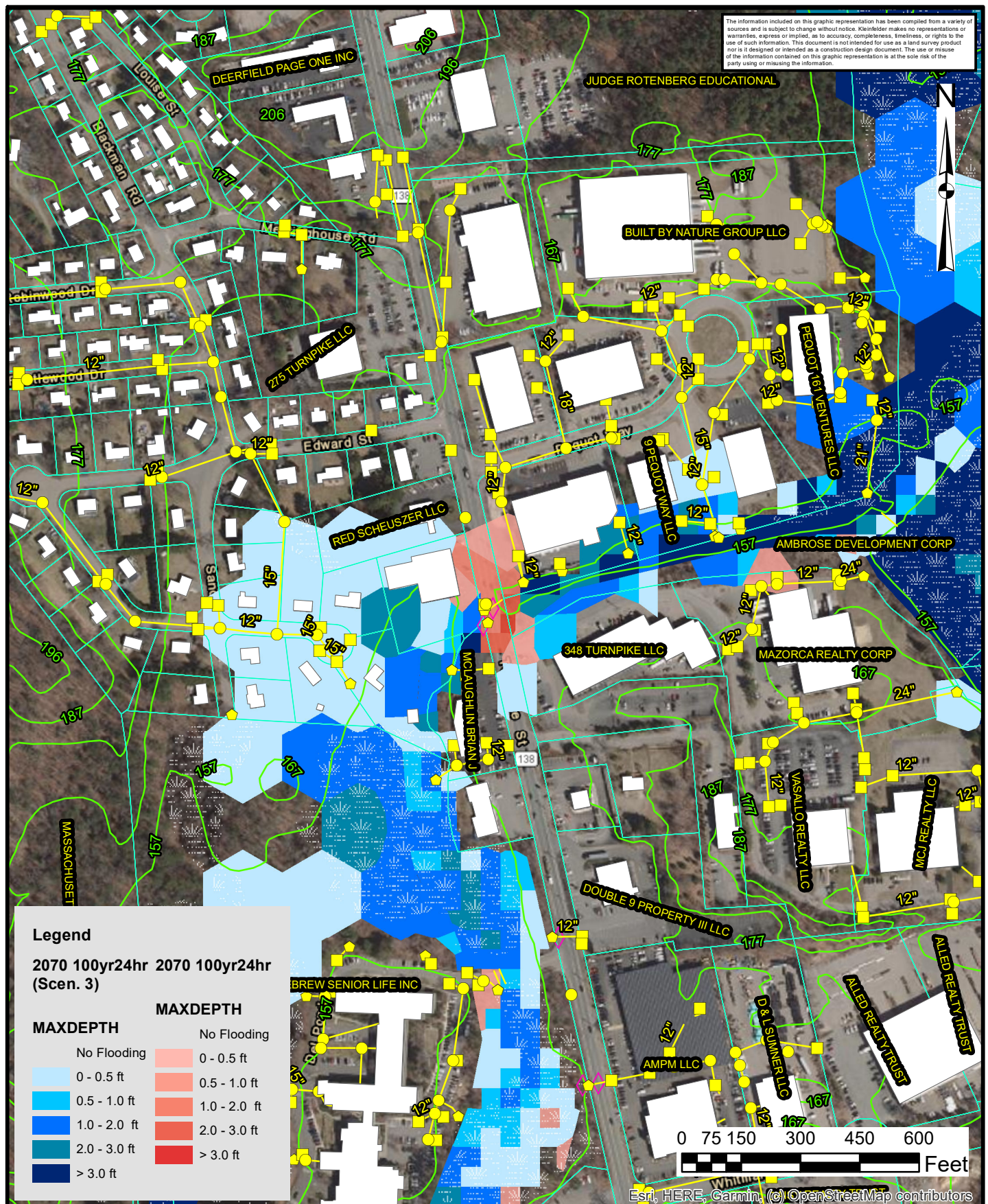


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CREATED: 6/17/2021
CREATED BY: LHowe
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**Fairview Rd.
West of JFK School**

Town of Canton, MA
Municipal Vulnerability Preparedness FY20 Action Grant
Flooding - Areas of Interest

FIGURE
6b



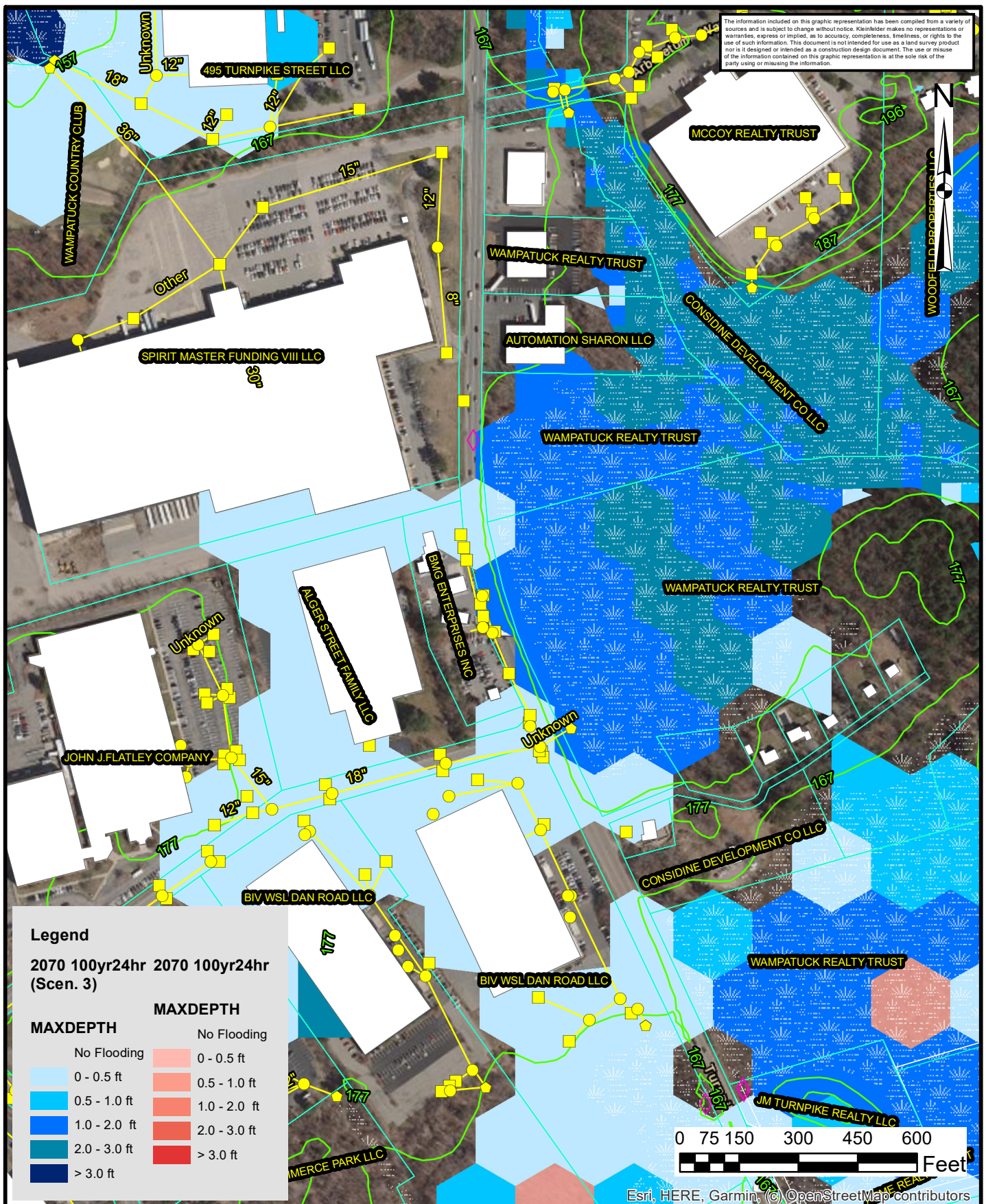
PROJECT NO. 20203163.001A
CREATED: 6/17/2021
CREATED BY: LHowe
CHECKED BY: KJohnson
FILE NAME: Field Maps_KLF_revJune2021.mxd

**Rte 138 / Del Pond Dr.
Pequit Brook**

Town of Canton, MA
Municipal Vulnerability Preparedness FY20 Action Grant
Flooding - Areas of Interest

FIGURE

7



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 FILE NAME:
 Field Maps_KLF_revJune2021.mxd

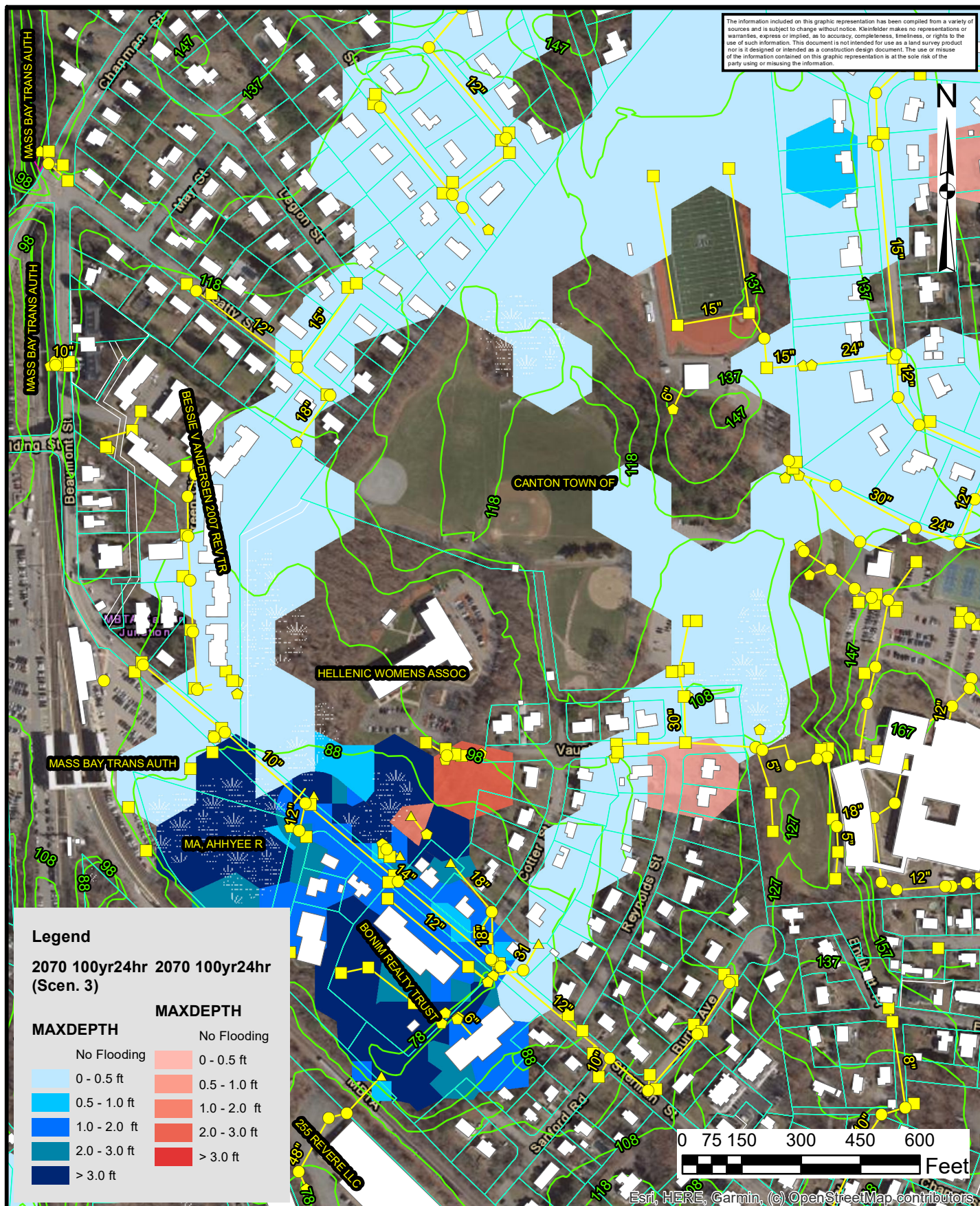
**Rte 138 / Dan Rd.
 York Brook**

Town of Canton, MA
 Municipal Vulnerability Preparedness FY20 Action Grant
 Flooding - Areas of Interest

FIGURE

8





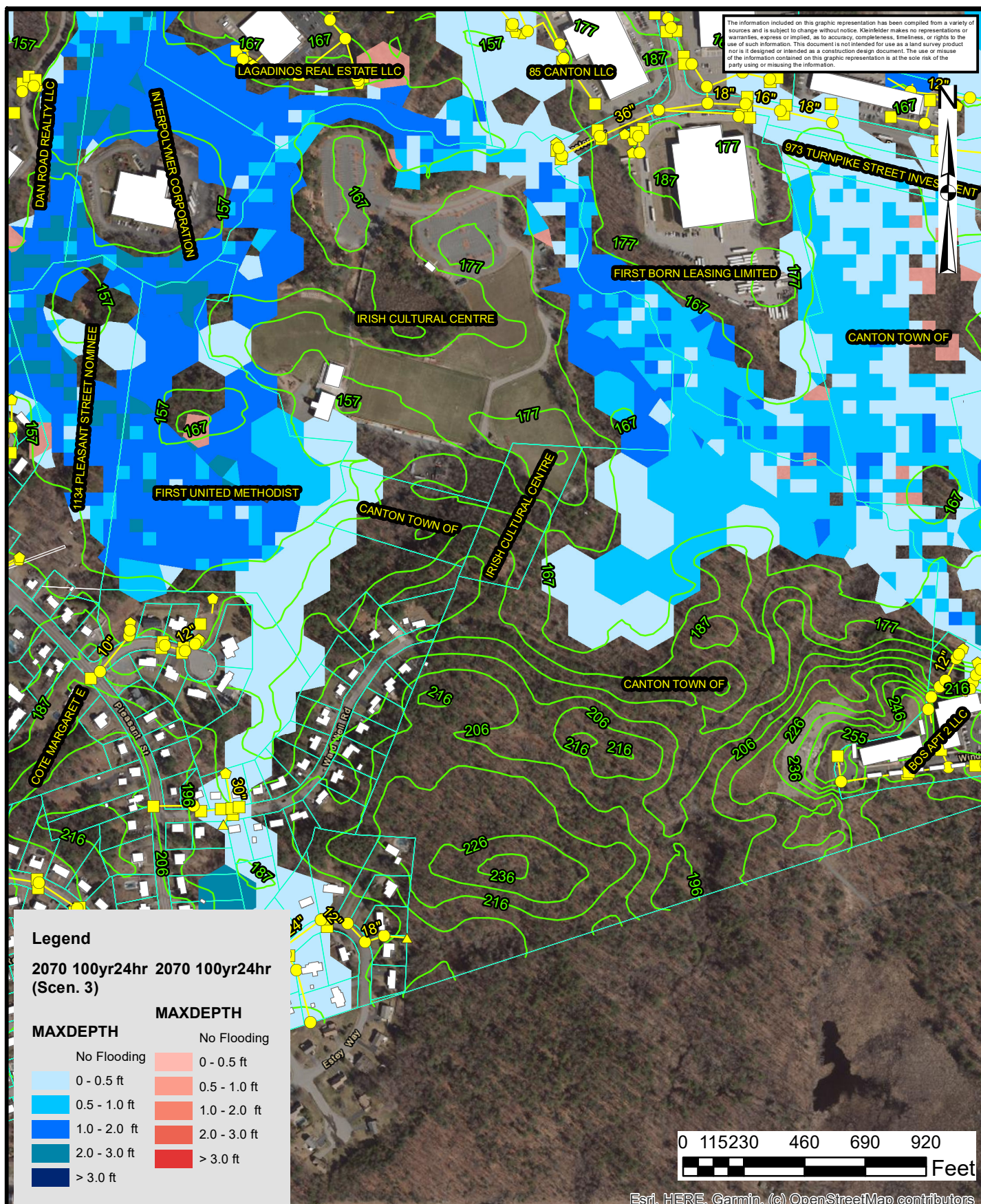
PROJECT NO. 20203163.001A
 CREATED: 6/17/2021
 CREATED BY: LHowe
 CHECKED BY: KJohnson
 FILE NAME:
 Field Maps_KLF_revJune2021.mxd

**Sherman St.
 south of Memorial Field**

Town of Canton, MA
 Municipal Vulnerability Preparedness FY20 Action Grant
 Flooding - Areas of Interest

FIGURE

10

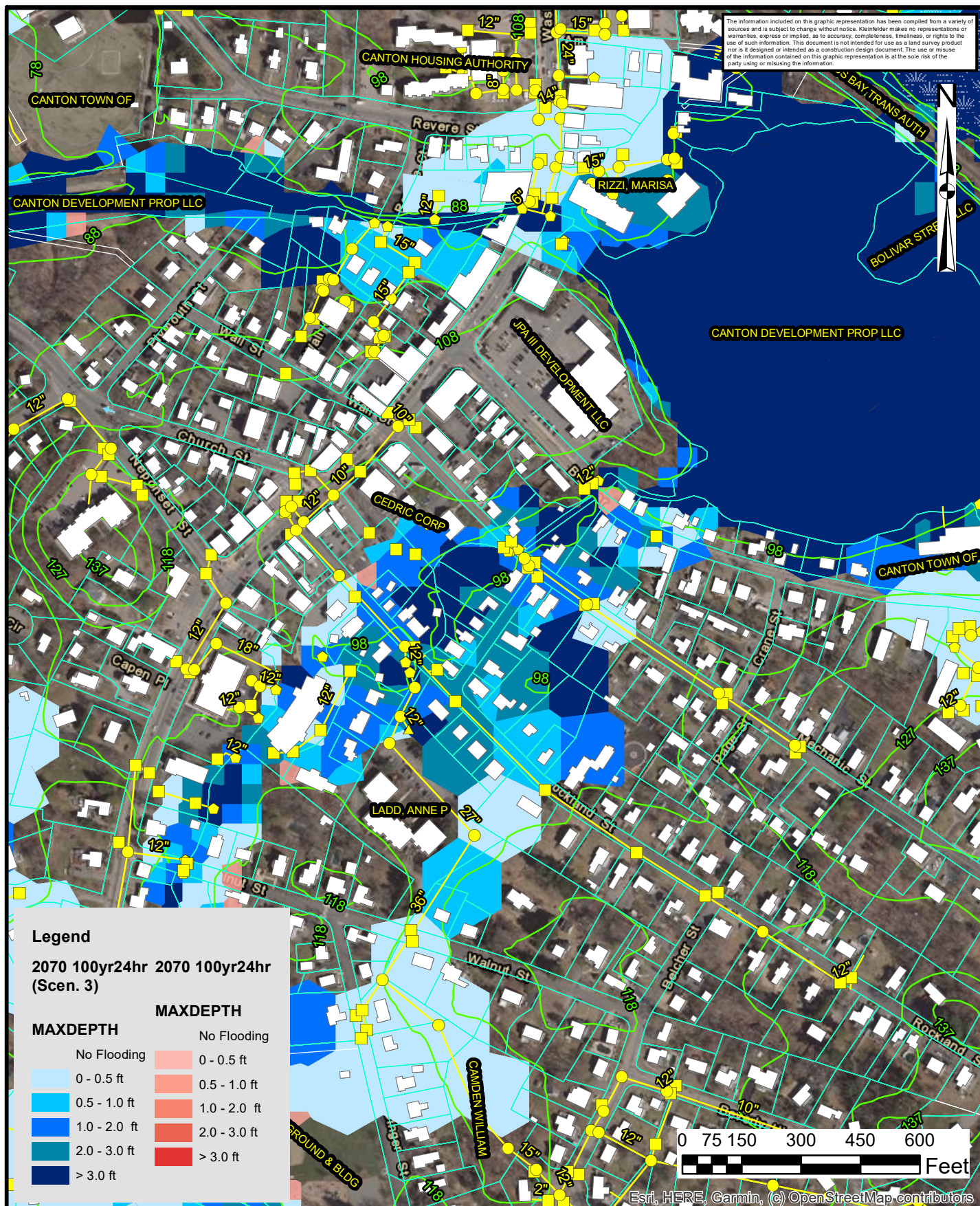


PROJECT NO. 20203163.001A
 CREATED: 6/17/2021
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 CHECKED BY: KJohnson
 FILE NAME: Field Maps_KLF_revJune2021.mxd

**Town Conservation Land
 Along Red Wing Brook**
 Town of Canton, MA
 Municipal Vulnerability Preparedness FY20 Action Grant
 Flooding - Areas of Interest

FIGURE

11



PROJECT NO. 20203163.001A
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CREATED BY: LHowe
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FILE NAME:
Field Maps_KLF_revJune2021.mxd

**Bolivar St., Rockland St., and Howard St.
Massapoag Brook**

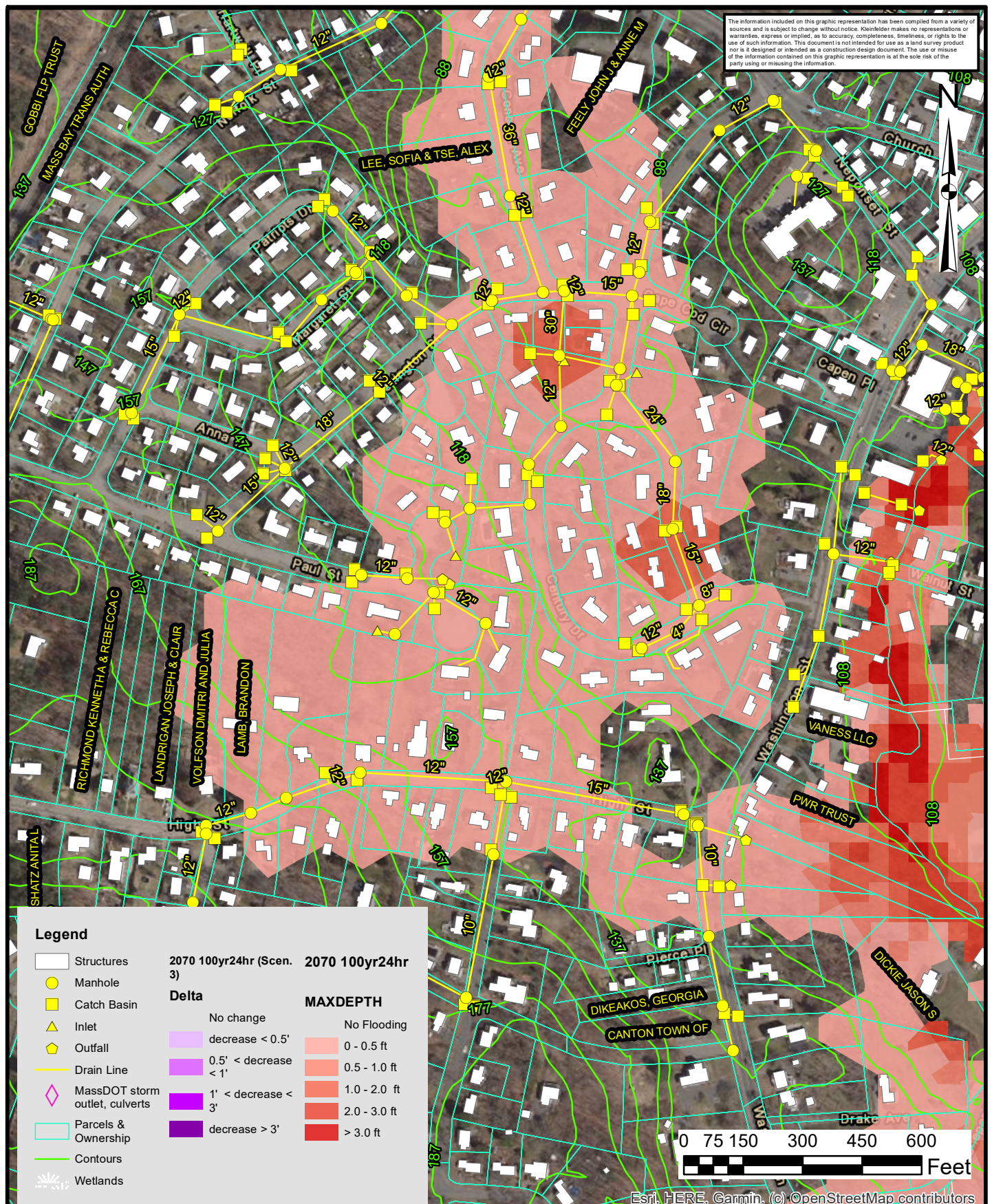
Town of Canton, MA
Municipal Vulnerability Preparedness FY20 Action Grant
Flooding - Areas of Interest


FIGURE

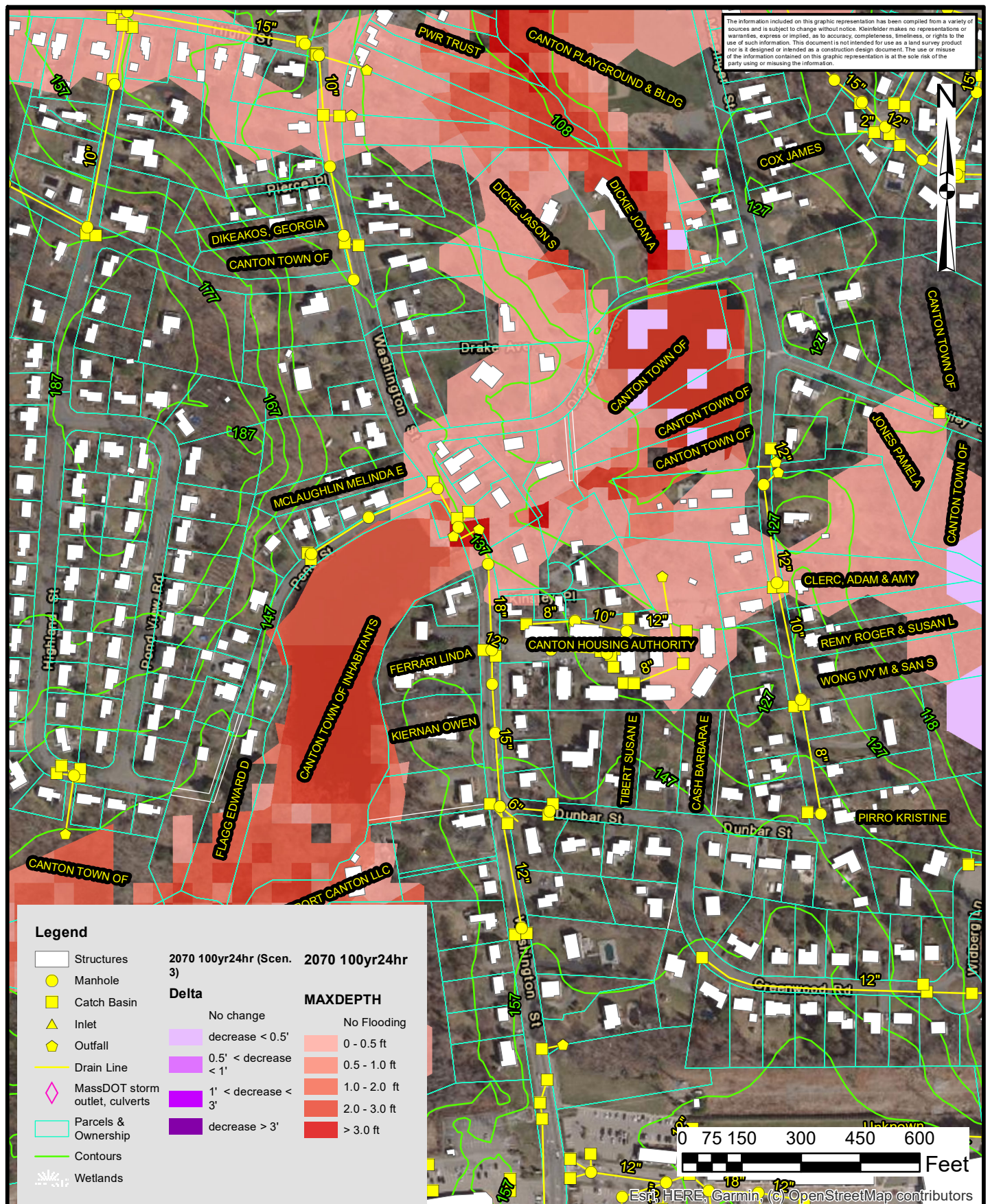
12

Mitigation Scenario #3

Max. Flood Depth change resulting from mitigation strategies (purple = delta) for 2070 100-year, 24 hour event



 KLEINFELDER <i>Bright People. Right Solutions.</i> www.kleinfielder.com Field Maps_KL	PROJECT NO. 20203163.001A	Washington St. & High St.	FIGURE 2a
	CREATED: 6/21/2021		
	CREATED BY: LHowe	Town of Canton, MA Municipal Vulnerability Preparedness FY20 Action Grant Flooding - Areas of Interest	
	CHECKED BY: KJohnson		
	FILE NAME: F_revJune2021_pre and post.mxd		



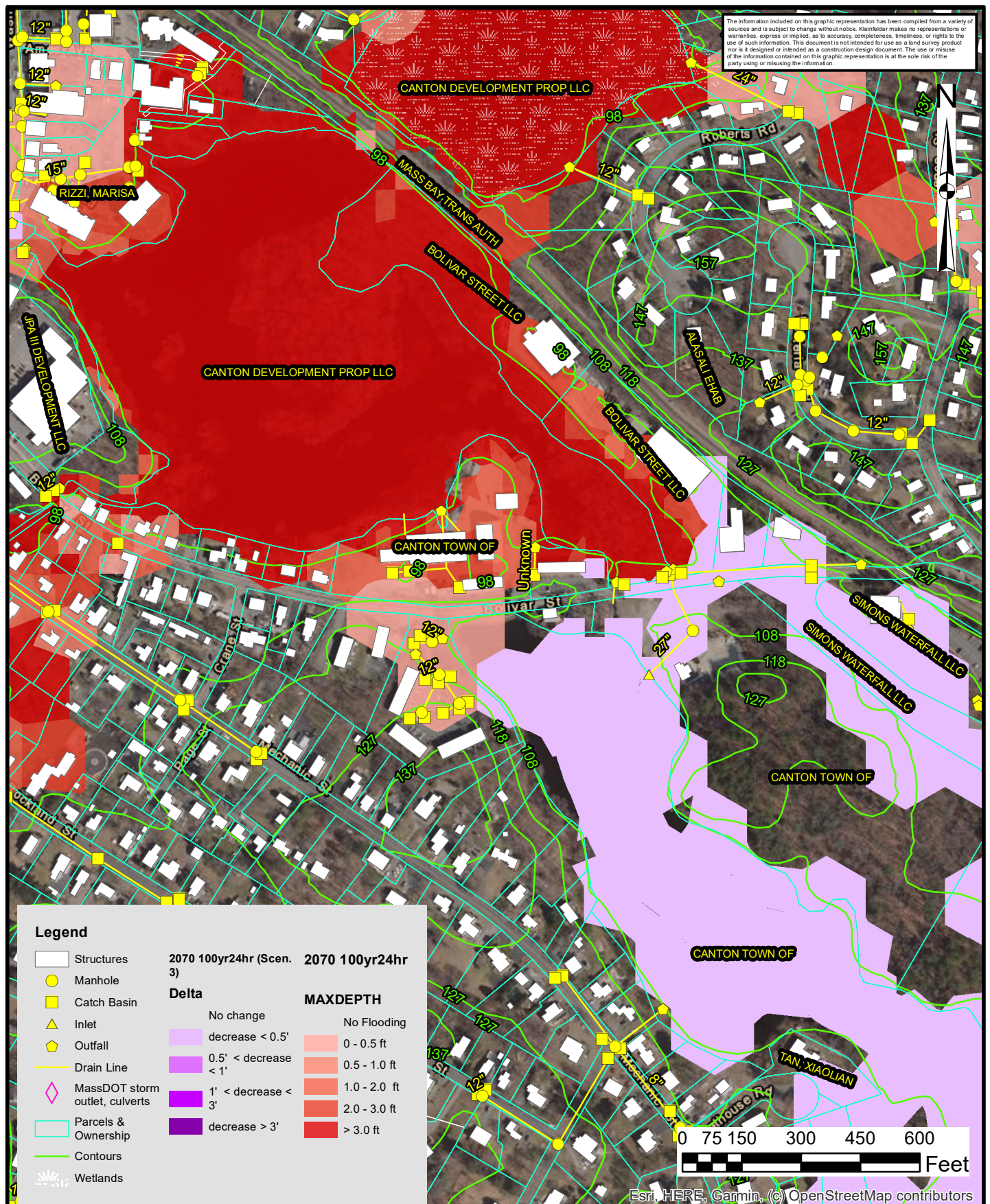
PROJECT NO. 20203163.001A
CREATED: 6/21/2021
CREATED BY: LHowe
CHECKED BY: KJohnson
FILE NAME: Field Maps_KLF_revJune2021_pre and post.mxd

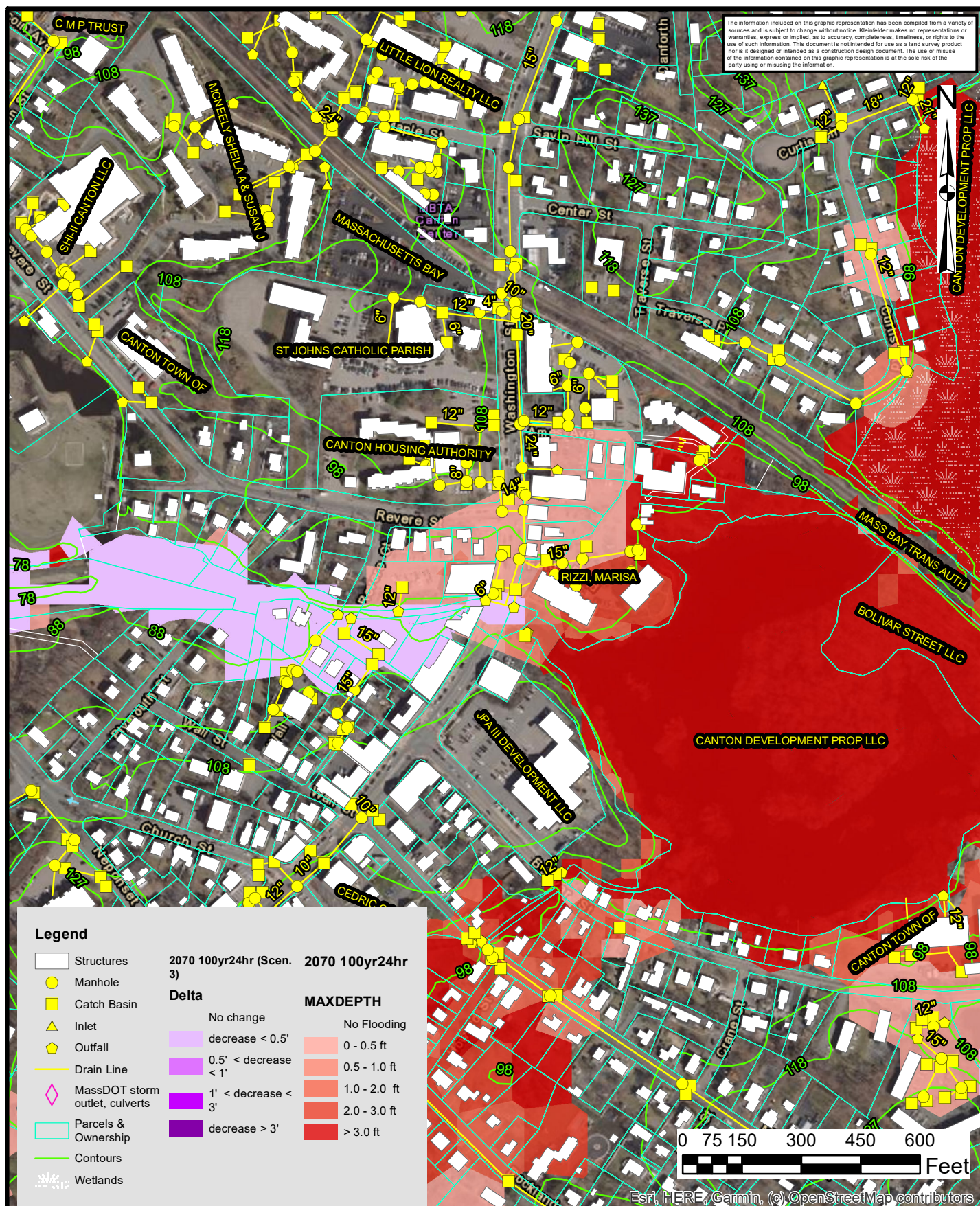
**Washington St.
at Shepard Pond**


Town of Canton, MA
Municipal Vulnerability Preparedness FY20 Action Grant
Flooding - Areas of Interest

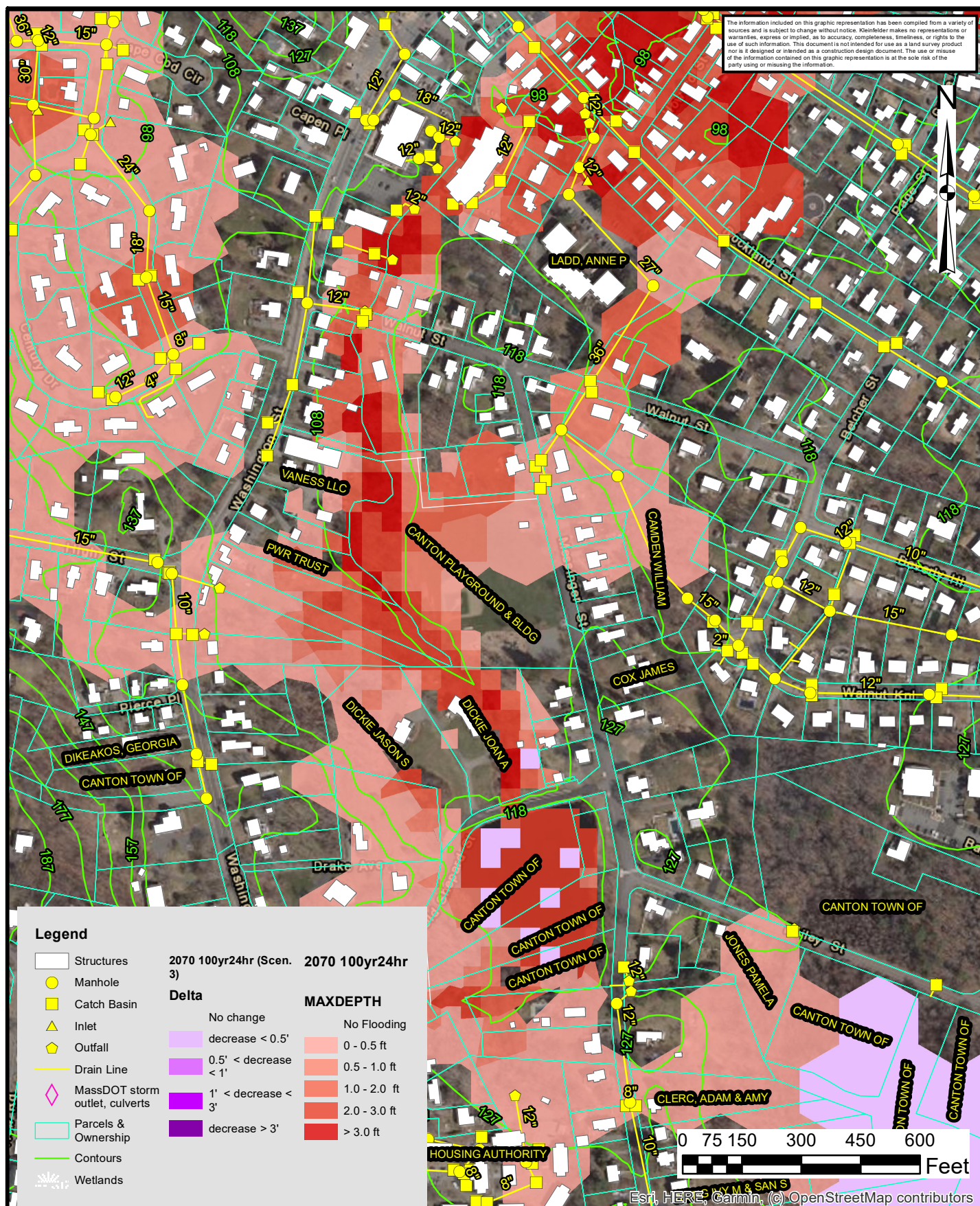
FIGURE


2b

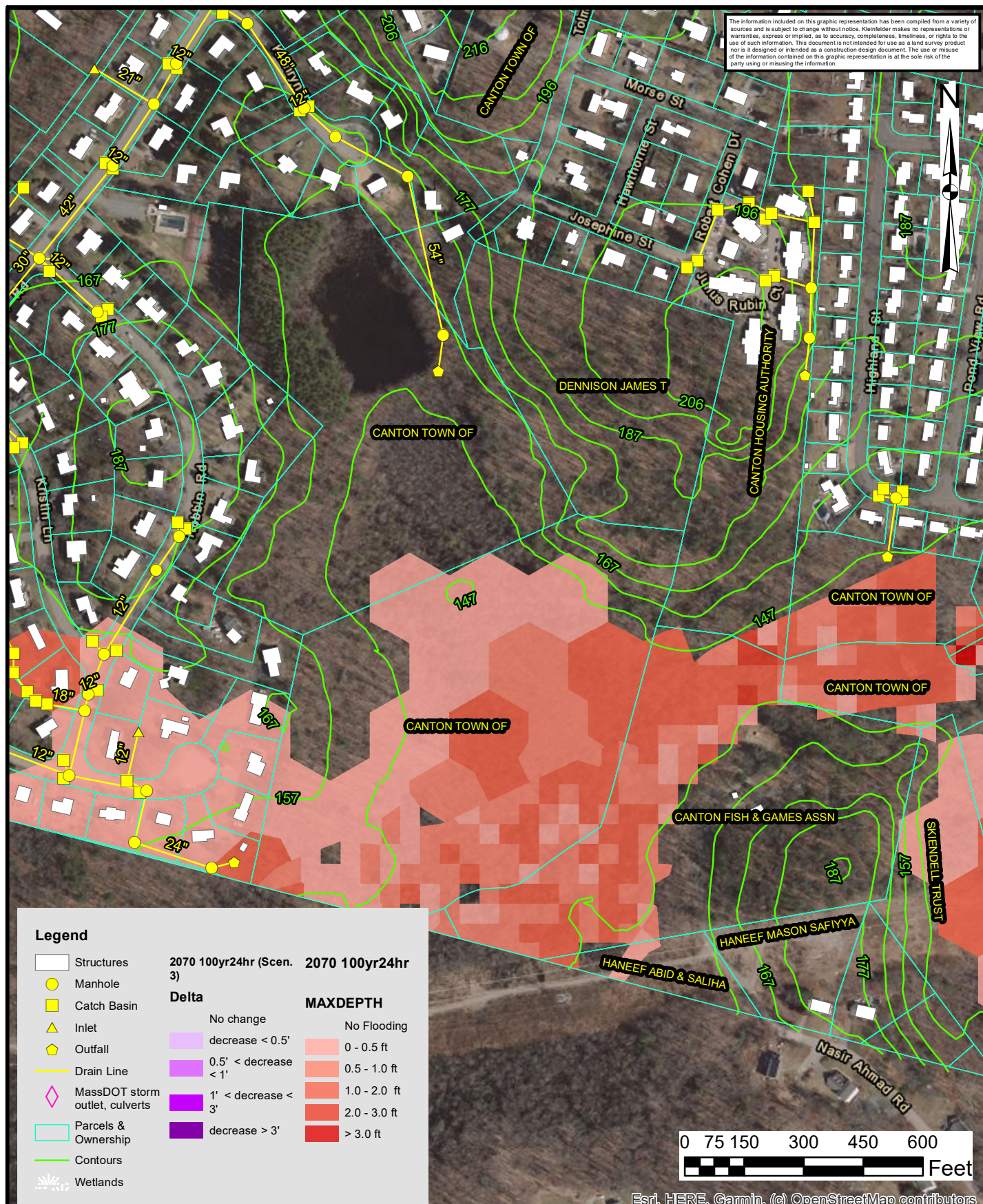





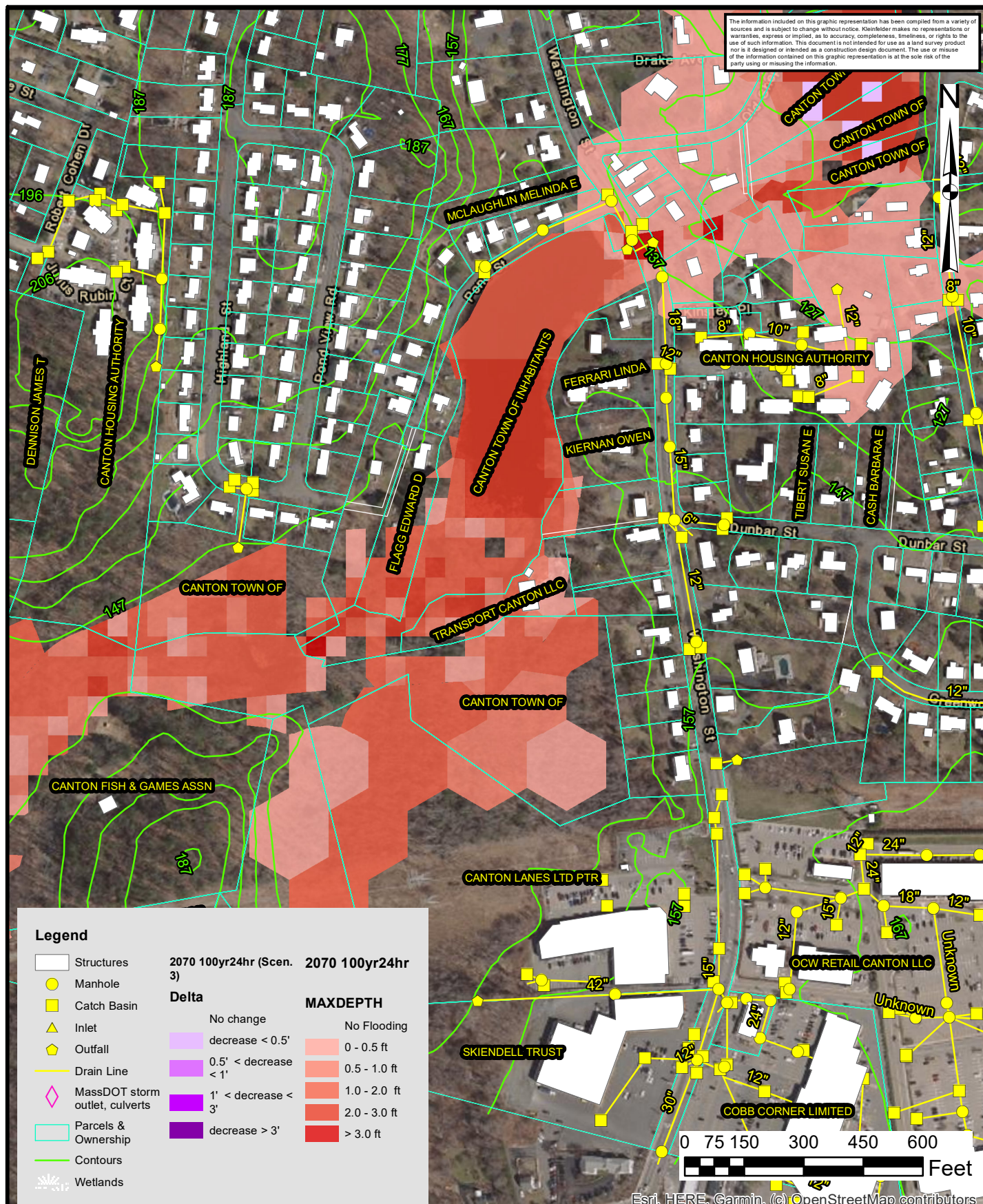
 <p>KLEINFELDER <i>Bright People. Right Solutions.</i></p> <p>www.kleinfielder.com Field Maps_KL</p>	PROJECT NO. 20203163.001A	Washington St. at Forge Pond Dam	FIGURE 3b
	CREATED: 6/21/2021		
	CREATED BY: LHowe	Town of Canton, MA Municipal Vulnerability Preparedness FY20 Action Grant Flooding - Areas of Interest	
	CHECKED BY: KJohnson		
	FILE NAME: F_revJune2021_pre and post.mxd		




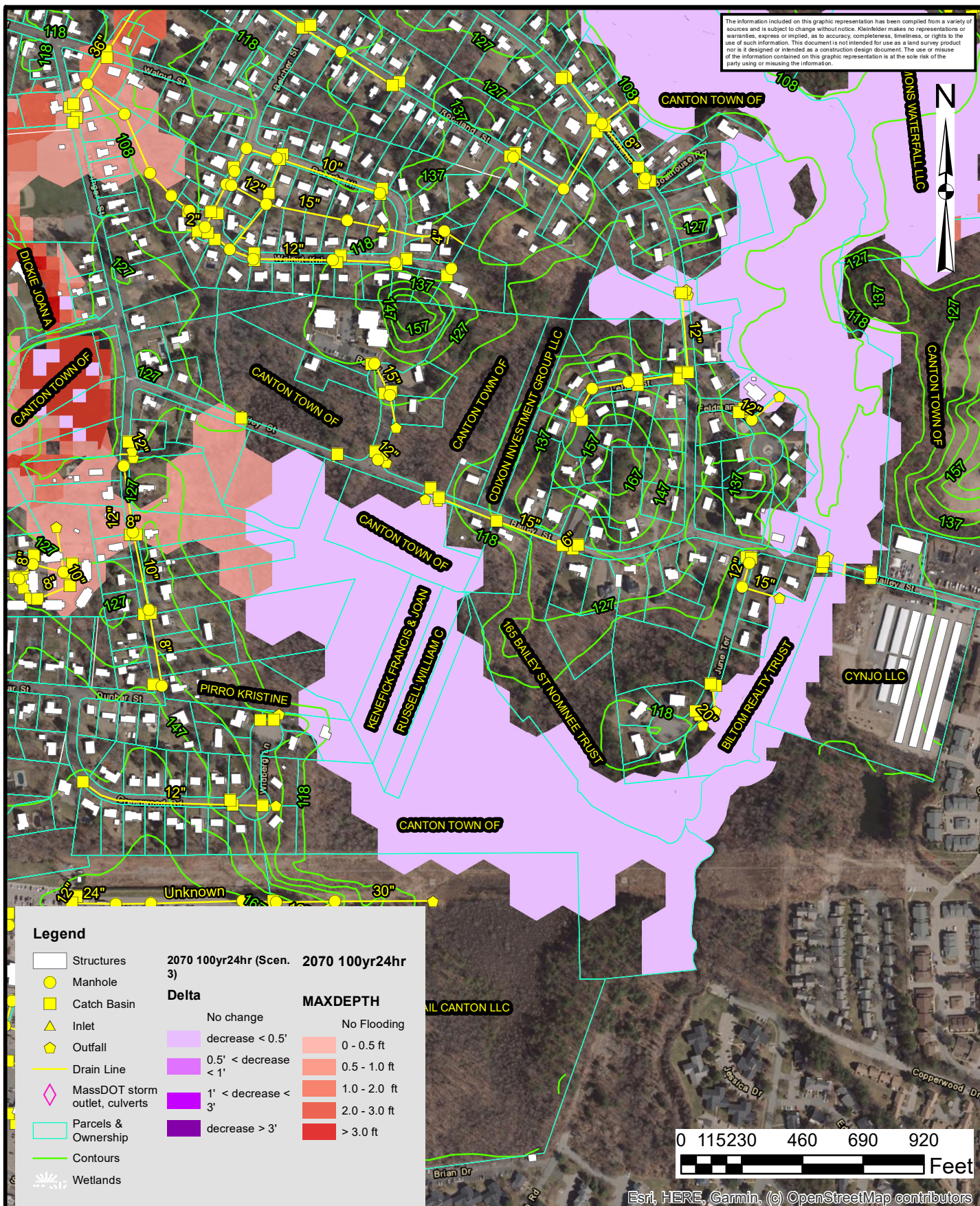
 KLEINFELDER <i>Bright People. Right Solutions.</i> www.kleinfielder.com Field Maps_KLF_revJune2021_pre and post.mxd	PROJECT NO. 20203163.001A	Messinger Park Massapoag Brook	FIGURE 4
	CREATED: 6/21/2021		
	CREATED BY: LHowe	Town of Canton, MA Municipal Vulnerability Preparedness FY20 Action Grant Flooding - Areas of Interest	
	CHECKED BY: KJohnson		
	FILE NAME:		

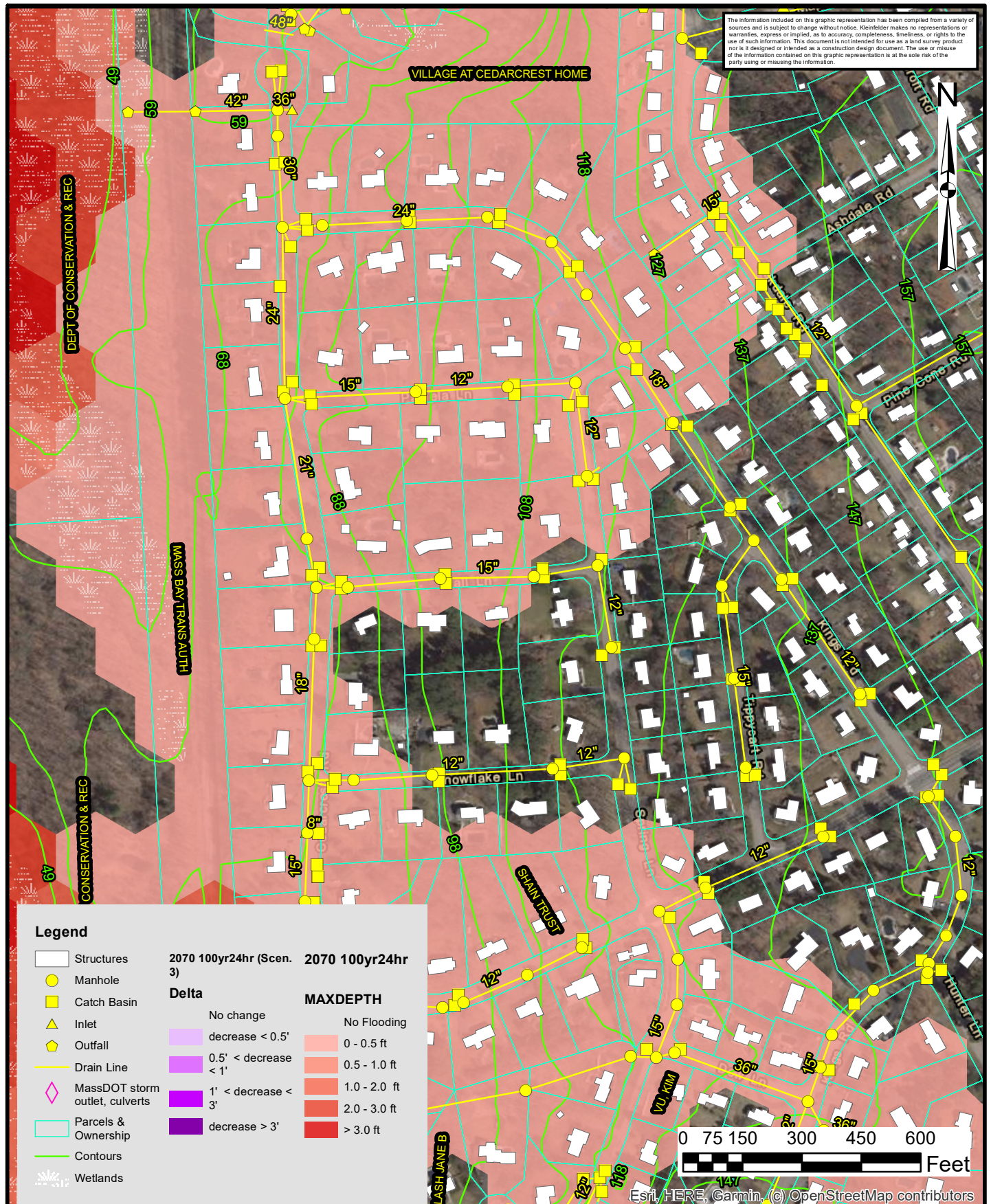


 <p>KLEINFELDER <i>Bright People. Right Solutions.</i> www.kleinfielder.com Field Maps_KLF_revJune2021_pre and post.mxd</p>	PROJECT NO. 20203163.001A	Tolman S. Conservation Area Massapoag Brook	FIGURE 5a
	CREATED: 6/21/2021		
	CREATED BY: LHowe	Town of Canton, MA Municipal Vulnerability Preparedness FY20 Action Grant Flooding - Areas of Interest	
	CHECKED BY: KJohnson		
	FILE NAME:		



 <p>KLEINFELDER <i>Bright People. Right Solutions.</i></p> <p>www.kleinfielder.com Field Maps_KLF_revJune2021_pre and post.mxd</p>	PROJECT NO. 20203163.001A	Shepard Pond Massapoag Brook	FIGURE 5b
	CREATED: 6/21/2021		
	CREATED BY: LHowe	Town of Canton, MA Municipal Vulnerability Preparedness FY20 Action Grant Flooding - Areas of Interest	
	CHECKED BY: KJohnson		
	FILE NAME:		



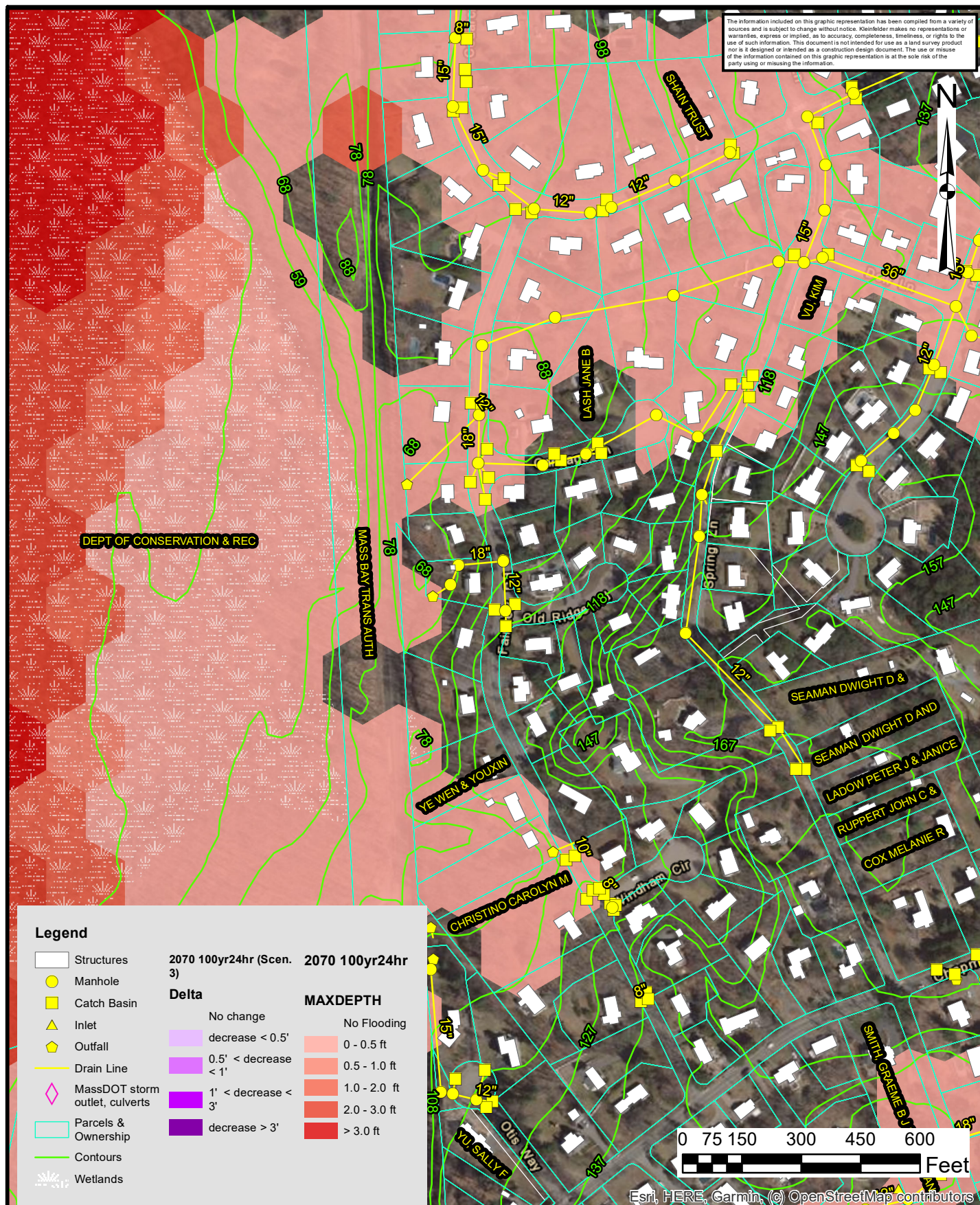



PROJECT NO. 20203163.001A
CREATED: 6/21/2021
CREATED BY: LHowe
CHECKED BY: KJohnson
FILE NAME: Field Maps_KLF_revJune2021_pre and post.mxd

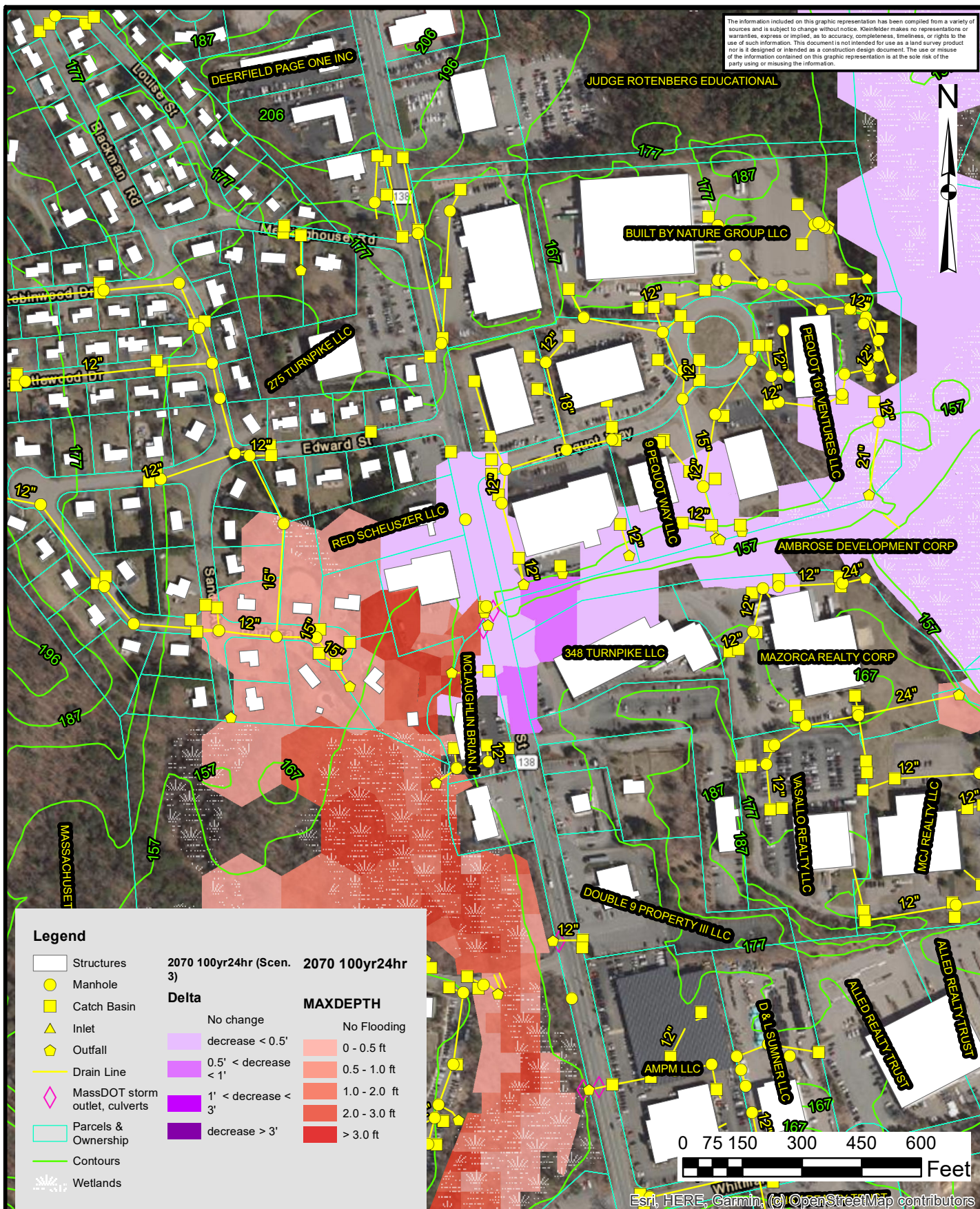
**Cedarcrest and Kings Rd.
West of JFK School**

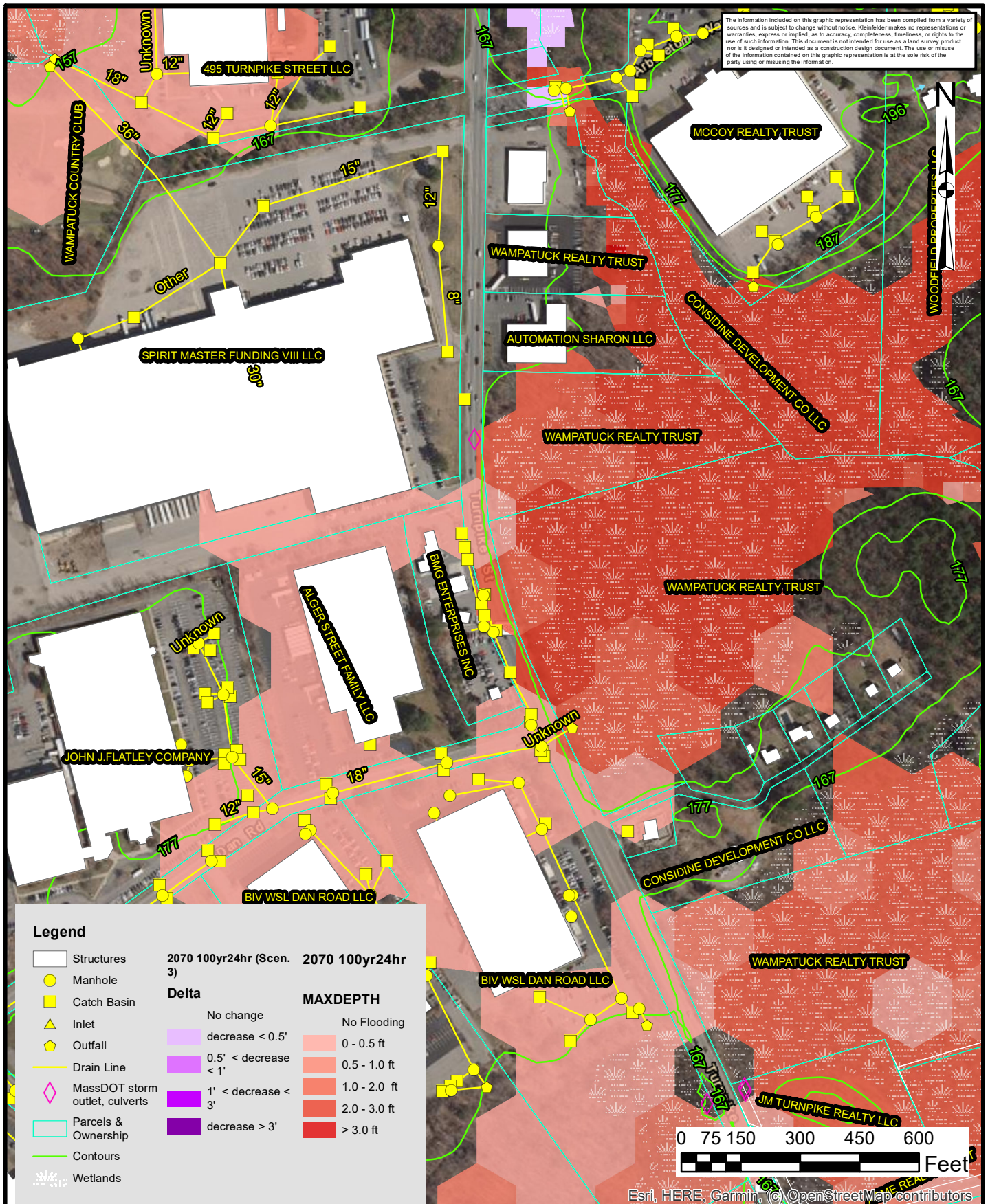
Town of Canton, MA
Municipal Vulnerability Preparedness FY20 Action Grant
Flooding - Areas of Interest

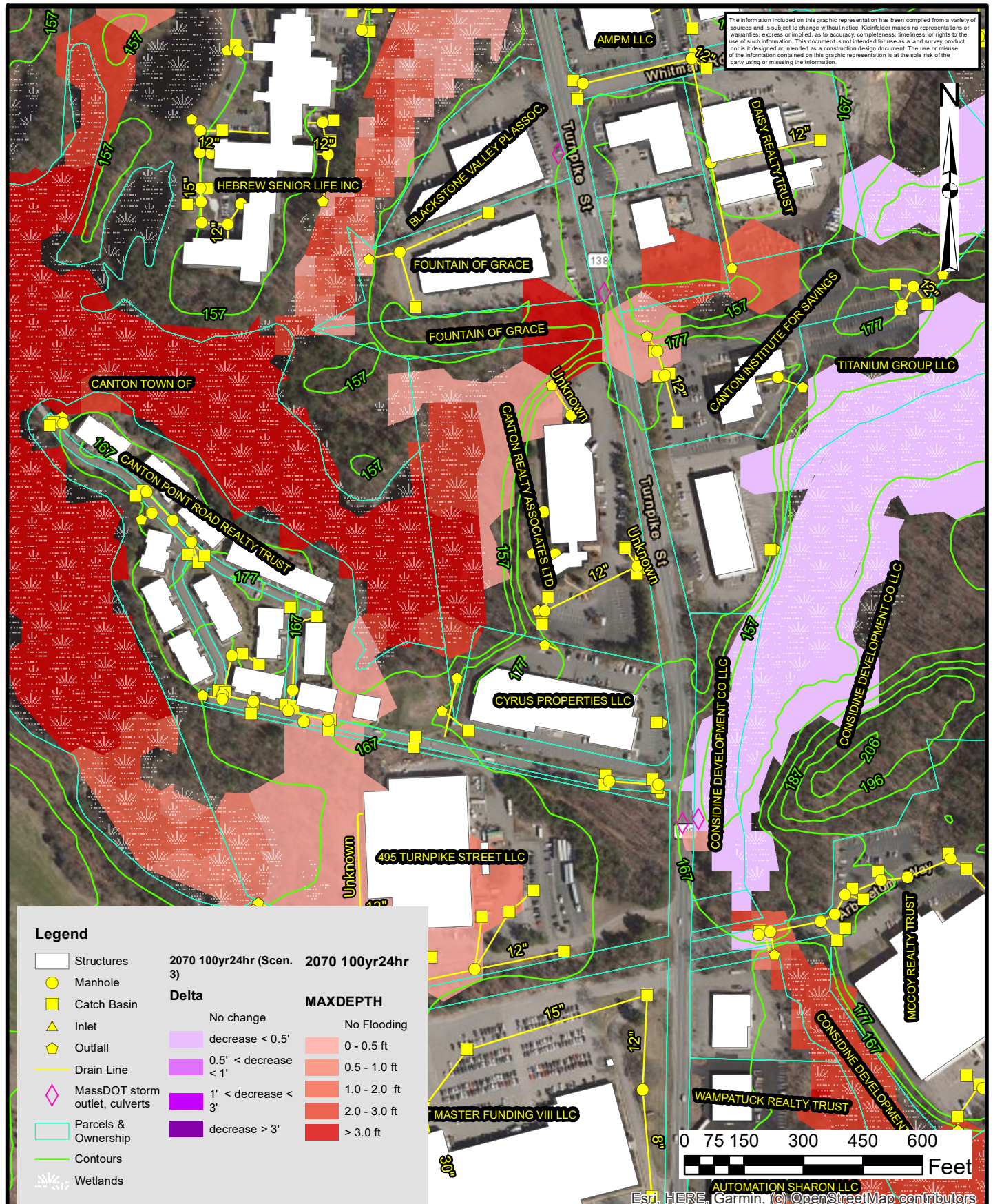
FIGURE
6a



 <div>KLEINFELDER <i>Bright People. Right Solutions.</i> www.kleinfielder.com Field Maps_KLF_revJune2021_pre and post.mxd</div>	PROJECT NO. 20203163.001A	Fairview Rd. West of JFK School	FIGURE 6b
	CREATED: 6/21/2021		
	CREATED BY: LHowe	Town of Canton, MA Municipal Vulnerability Preparedness FY20 Action Grant Flooding - Areas of Interest	
	CHECKED BY: KJohnson		
	FILE NAME:		







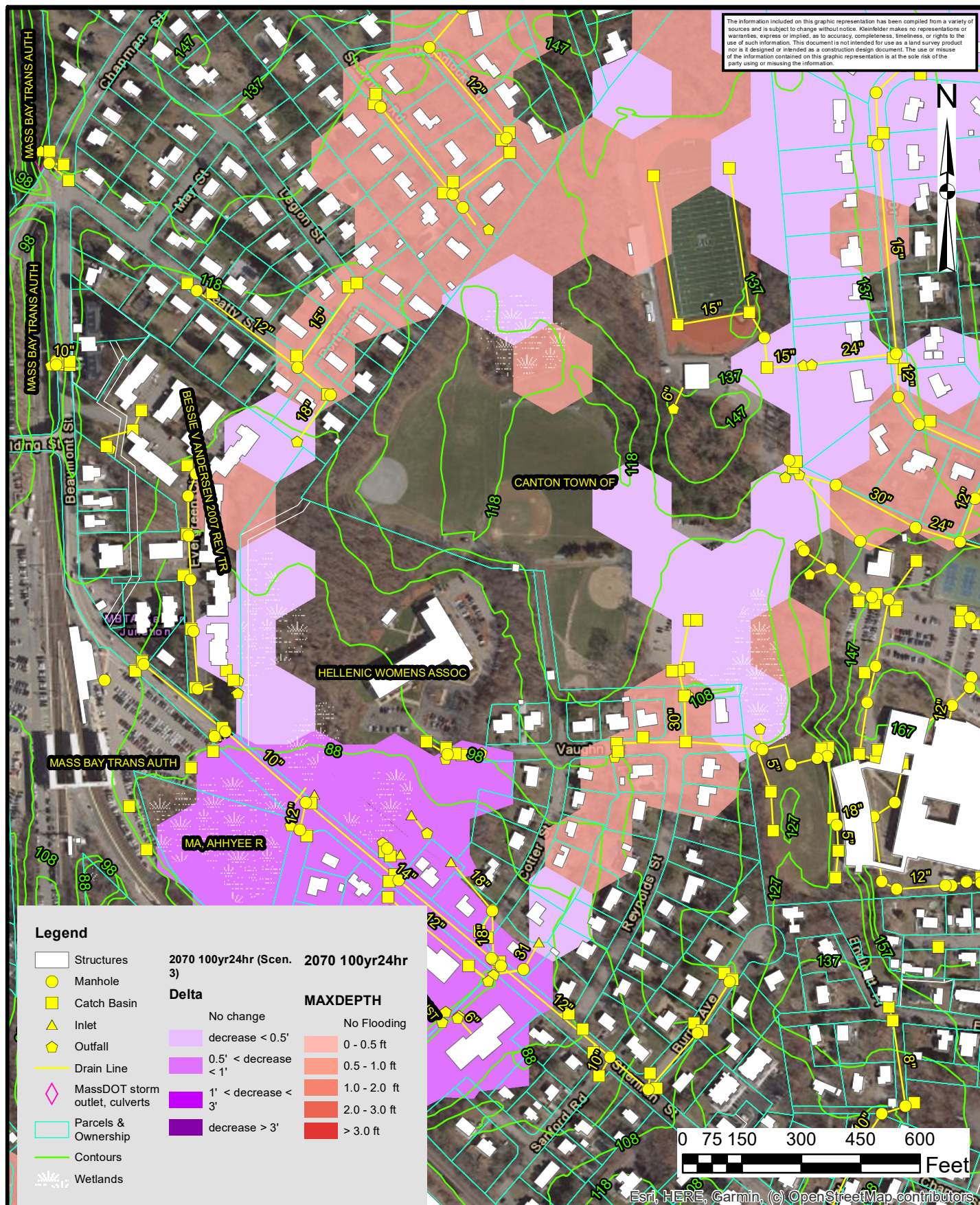
PROJECT NO. 20203163.001A
CREATED: 6/21/2021
CREATED BY: LHowe
CHECKED BY: KJohnson
FILE NAME: Field Maps_KLF_revJune2021_pre and post.mxd


**Rte 138 / Canton Point Rd.
Pequit Brook**

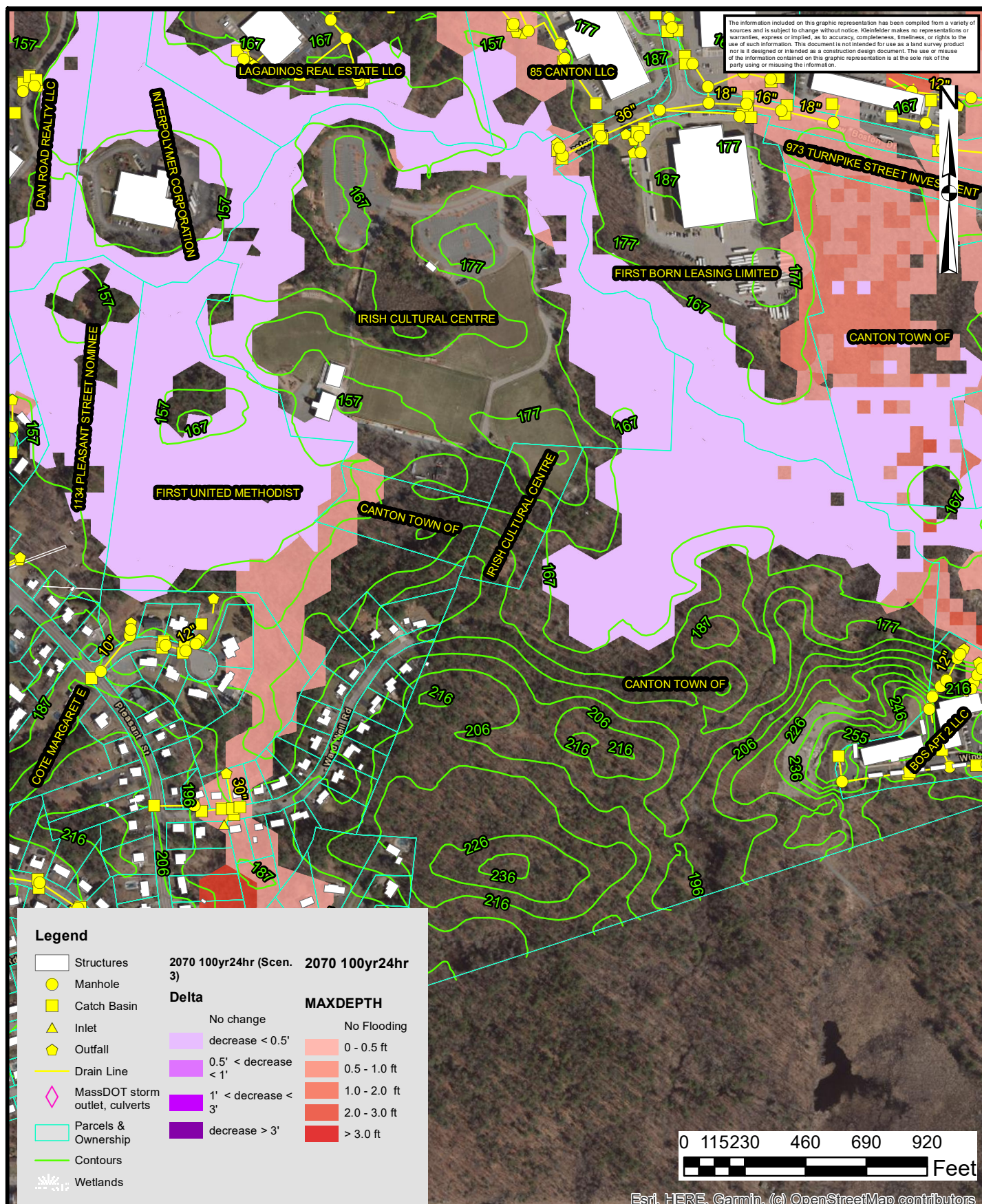
Town of Canton, MA
Municipal Vulnerability Preparedness FY20 Action Grant
Flooding - Areas of Interest

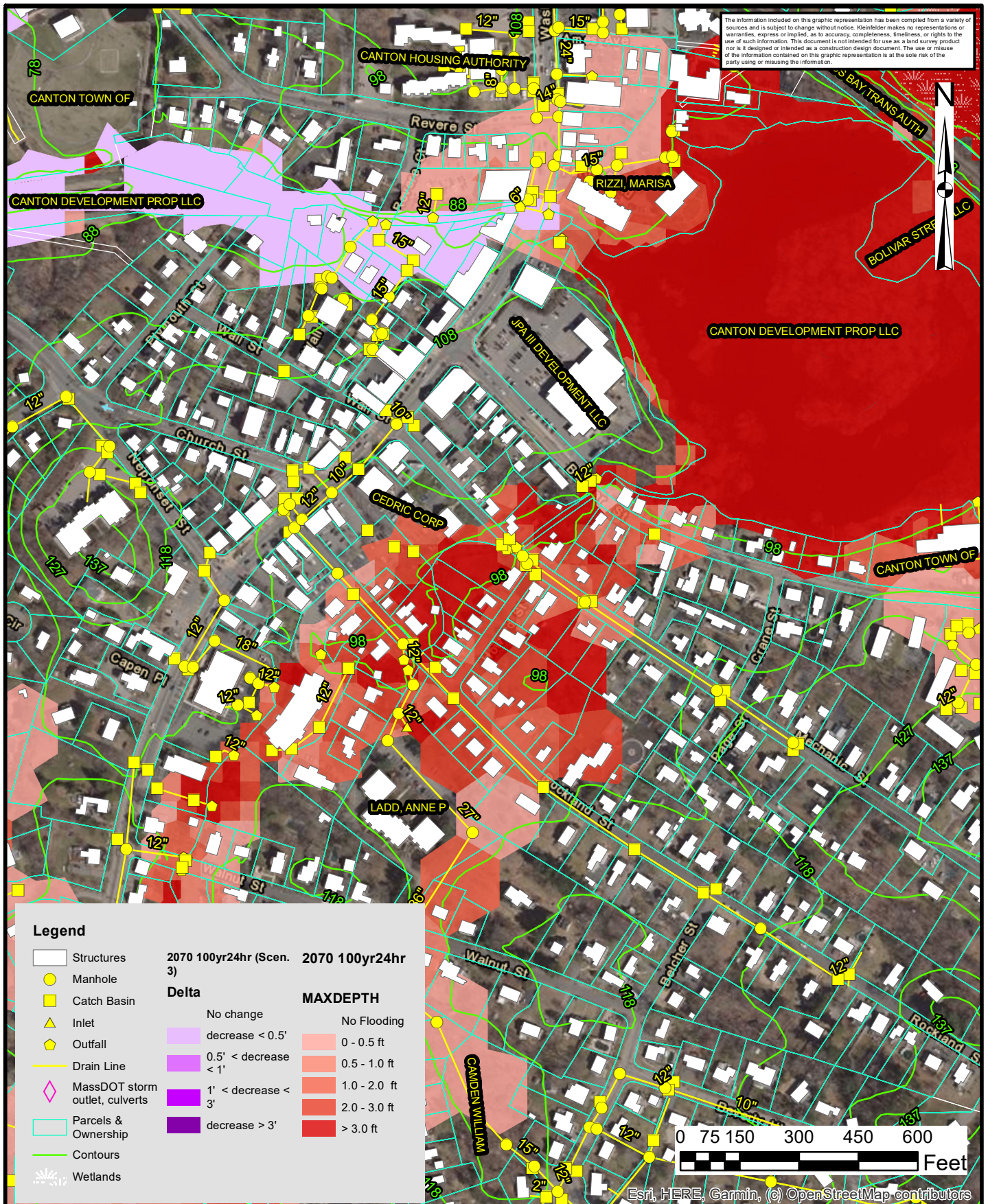
FIGURE

9



 KLEINFELDER <i>Bright People. Right Solutions.</i> www.kleinfielder.com Field Maps_KLF_revJune2021_pre and post.mxd	PROJECT NO. 20203163.001A	Sherman St. south of Memorial Field	FIGURE 10
	CREATED: 6/21/2021		
	CREATED BY: LHowe	Town of Canton, MA Municipal Vulnerability Preparedness FY20 Action Grant Flooding - Areas of Interest	
	CHECKED BY: KJohnson		
	FILE NAME:		





PROJECT NO. 20203163.001A
CREATED: 6/21/2021
CREATED BY: LHowe
CHECKED BY: KJohnson
FILE NAME: Field Maps_KLF_revJune2021_pre and post.mxd

**Bolivar St., Rockland St., and Howard St.
Massapoag Brook**

Town of Canton, MA
Municipal Vulnerability Preparedness FY20 Action Grant
Flooding - Areas of Interest

FIGURE

12