

Appendix G -

PCSWMM Modeling Results (per Area of Interest)

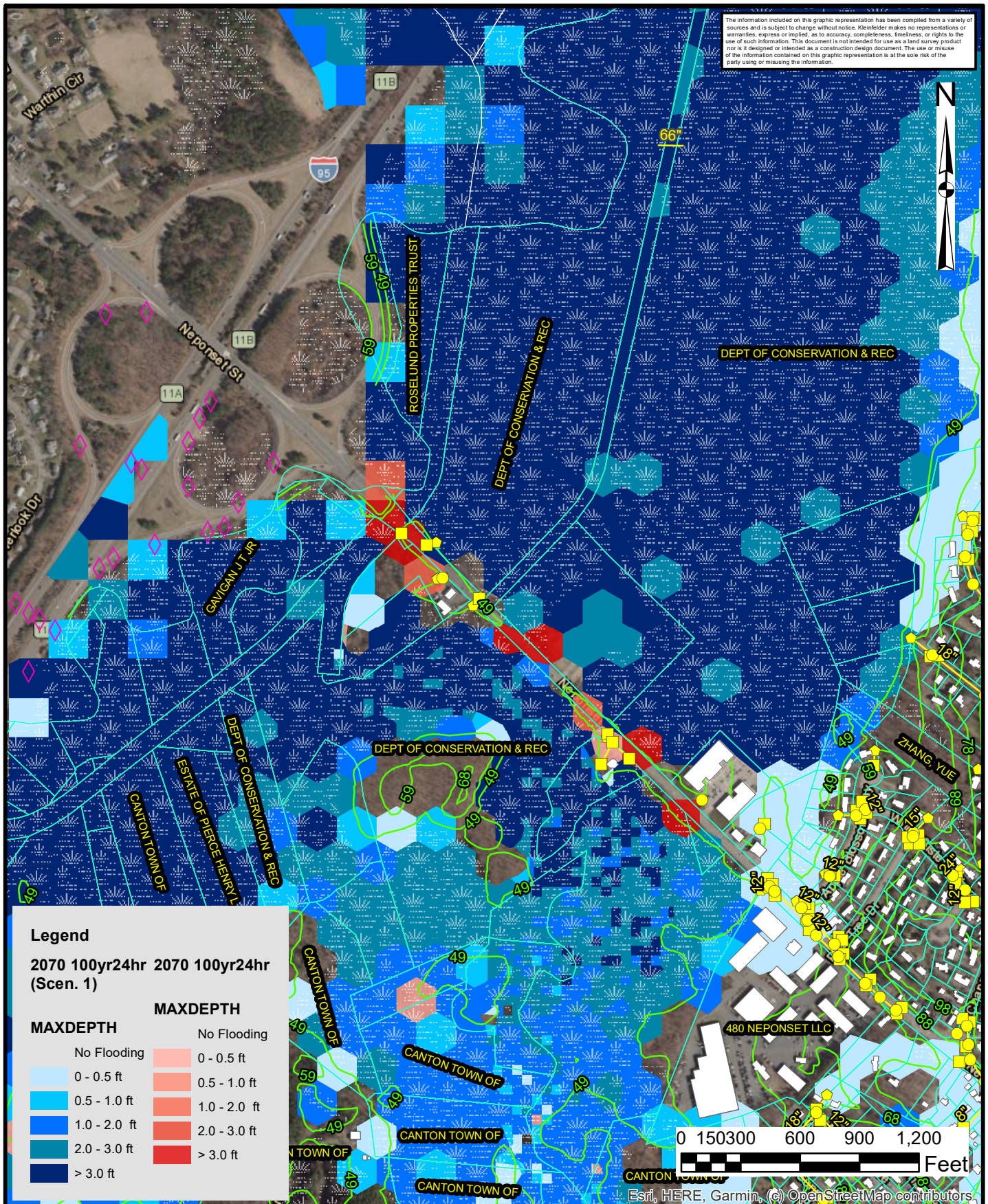
Mitigation Scenario #1

Mitigation Scenario #1

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

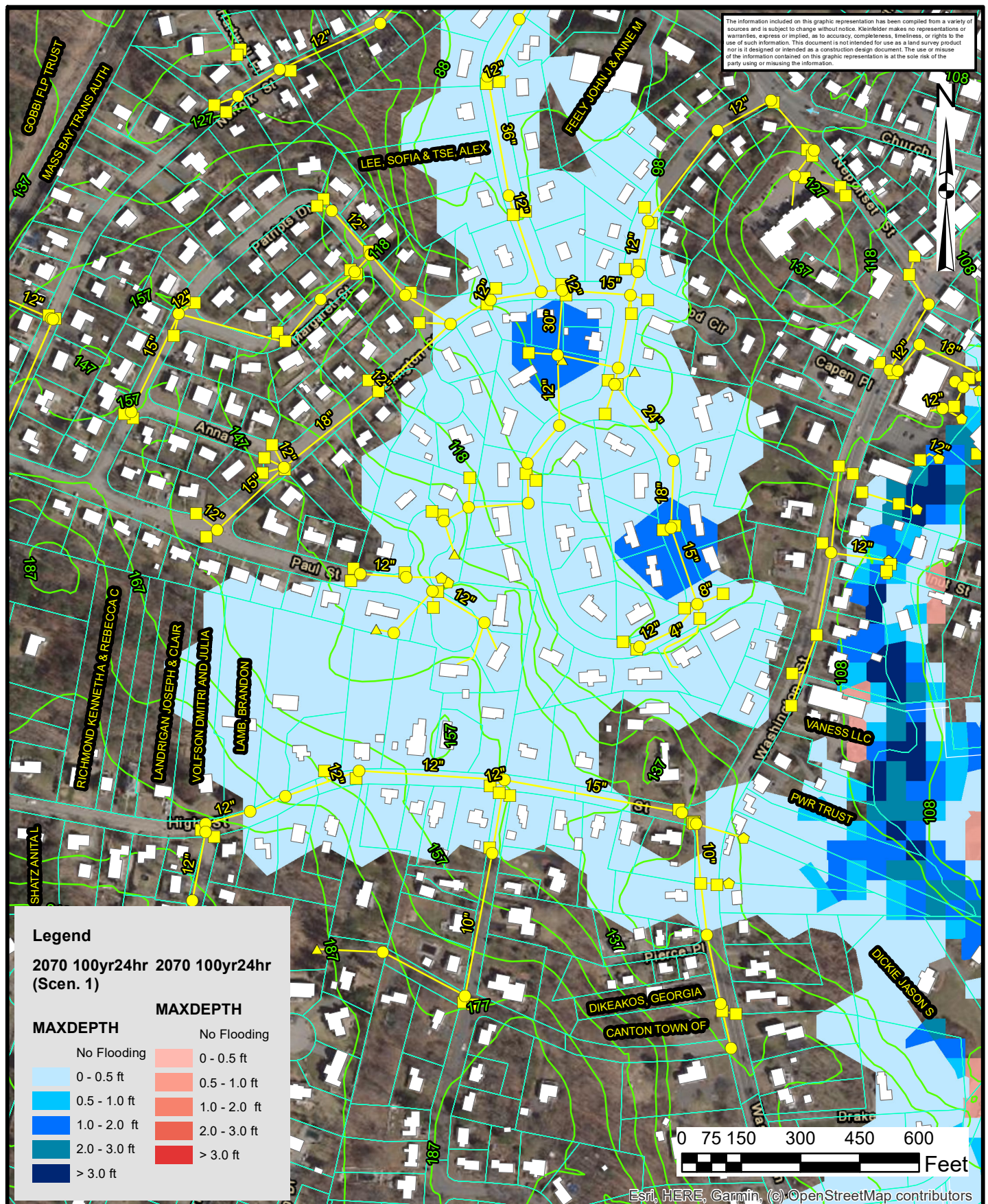


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 CREATED BY: LHowe
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 FILE NAME:
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**Neponset St.
 at Neponset River (zoomed out)**

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

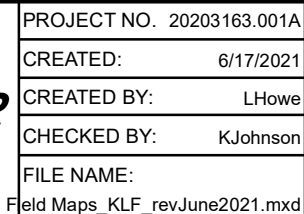
FIGURE
1



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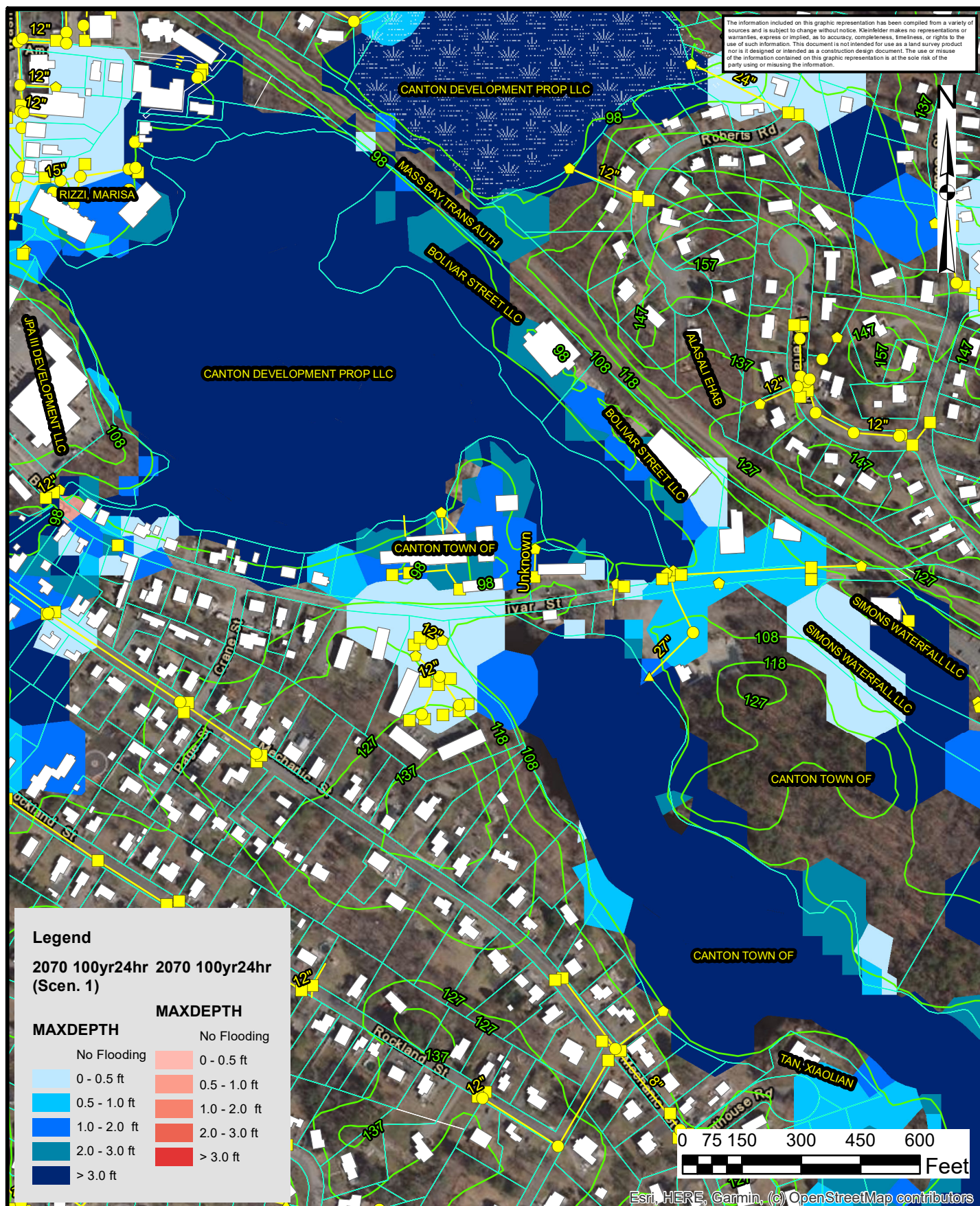
**Washington St.
 & High St.**
 Town of Canton, MA
 Municipal Vulnerability Preparedness FY20 Action Grant
 Flooding - Areas of Interest

FIGURE
2a



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

2b



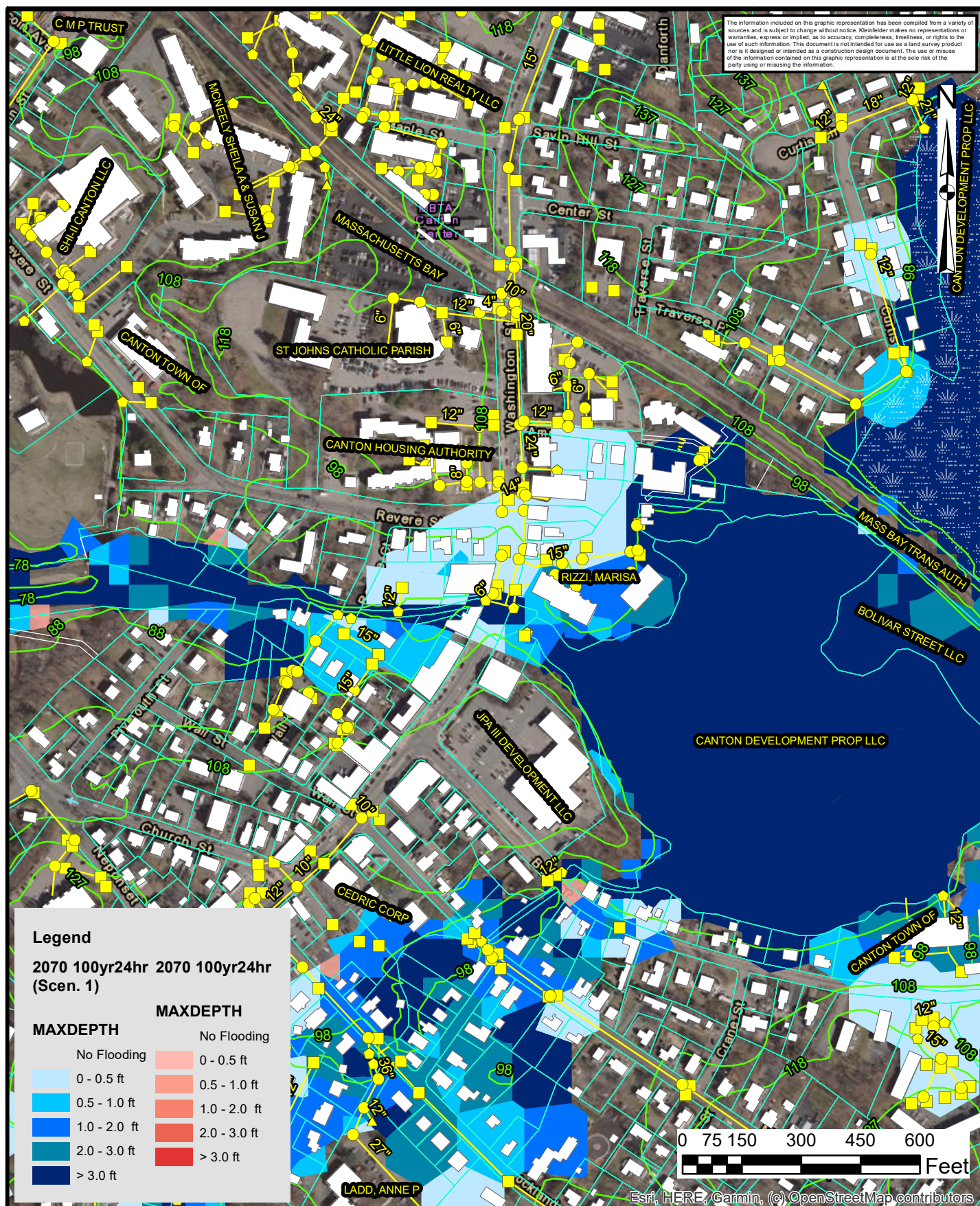
PROJECT NO. 20203163.001A
 CREATED: 6/17/2021
 CREATED BY: LHowe
 CHECKED BY: KJohnson
 FILE NAME:
 Field Maps_KLF_revJune2021.mxd

**Bolivar St.
 at Bolivar Pond**

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

FIGURE

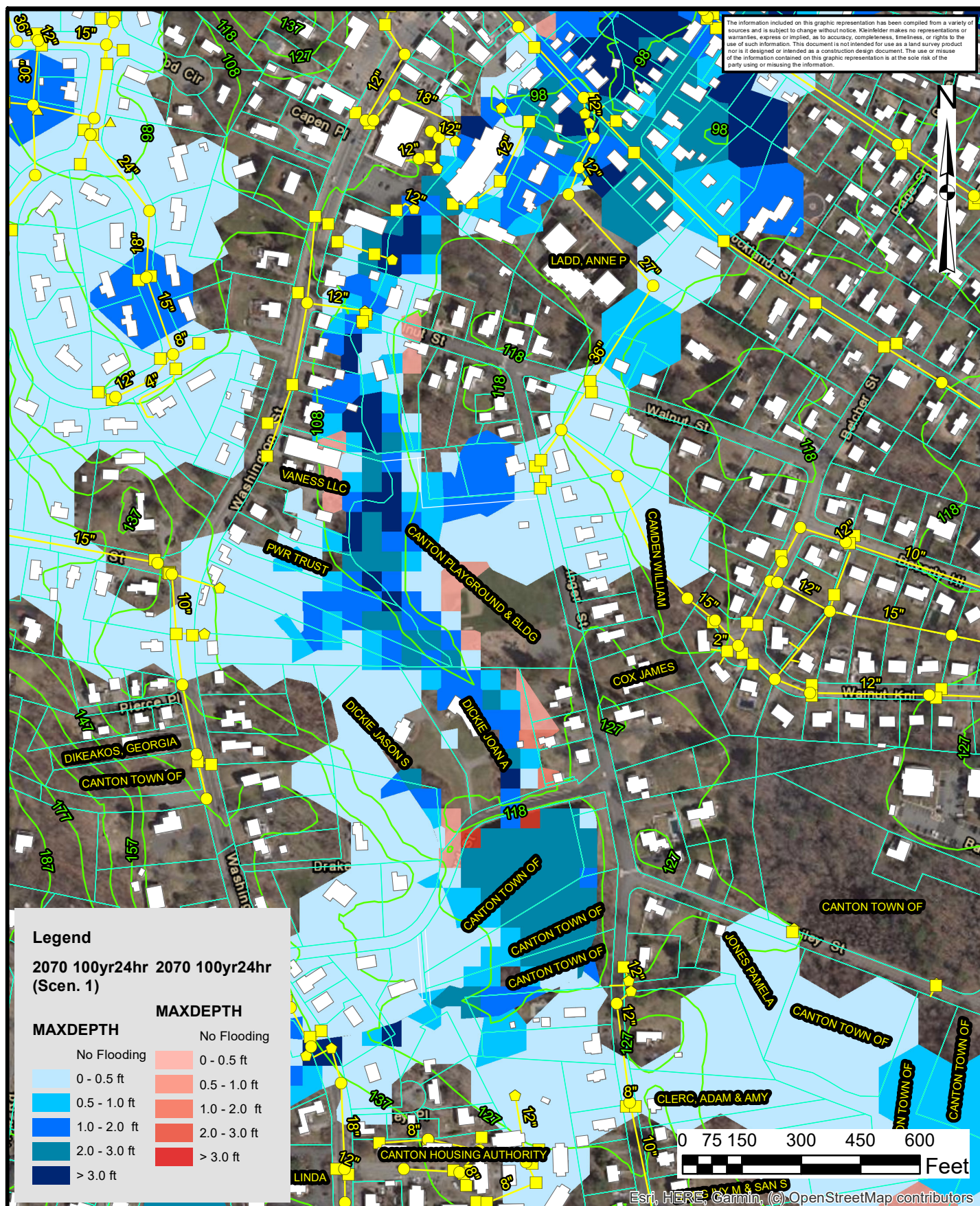
3a




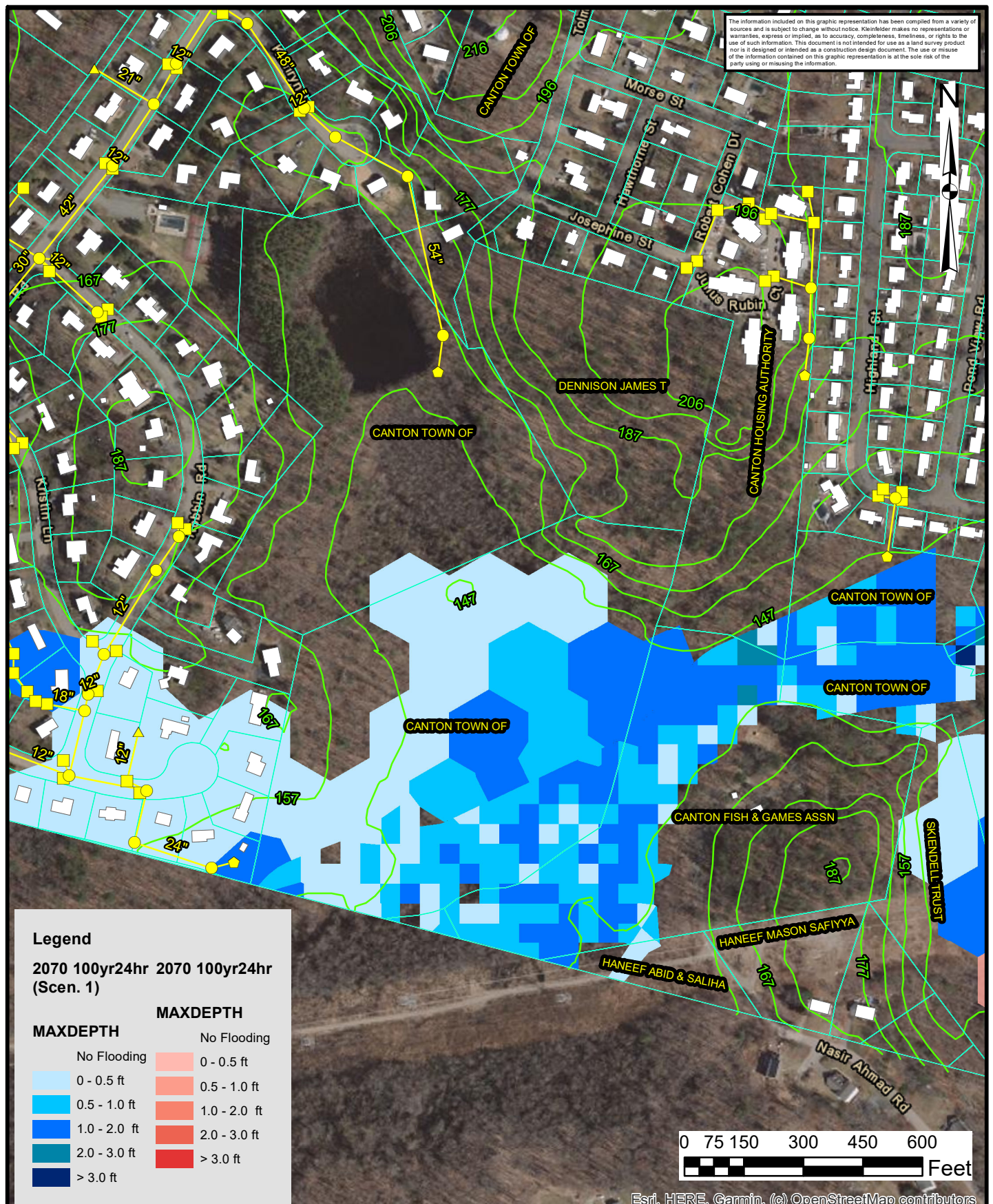
PROJECT NO. 20203163.001A
 CREATED: 6/17/2021
 CREATED BY: LHowe
 CHECKED BY: KJohnson
 FILE NAME:
 Field Maps_KLF_revJune2021.mxd

**Washington St.
 at Forge Pond Dam**
 Town of Canton, MA
 Municipal Vulnerability Preparedness FY20 Action Grant
 Flooding - Areas of Interest

FIGURE
3b



 KLEINFELDER <i>Bright People. Right Solutions.</i> www.kleinfielder.com	PROJECT NO. 20203163.001A	Messinger Park Massapoag Brook	FIGURE 4
	CREATED: 6/17/2021		
	CREATED BY: LHowe	Town of Canton, MA Municipal Vulnerability Preparedness FY20 Action Grant Flooding - Areas of Interest	
	CHECKED BY: KJohnson		
	FILE NAME: Field Maps_KLF_revJune2021.mxd		

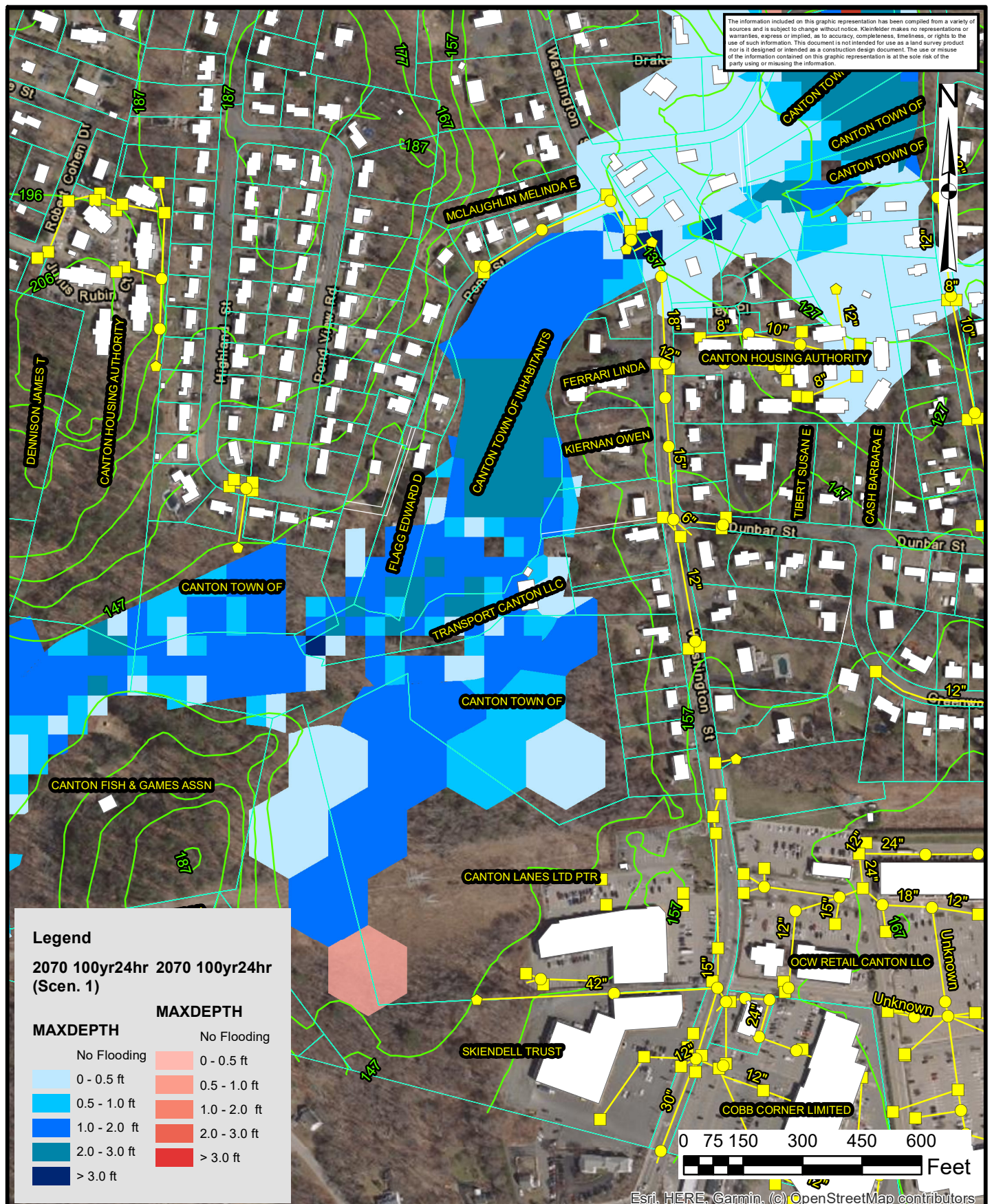


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 CREATED: 6/17/2021
 CREATED BY: LHowe
 CHECKED BY: KJohnson
 FILE NAME:
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**Tolman S. Conservation Area
 Massapoag Brook**

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

FIGURE
5a



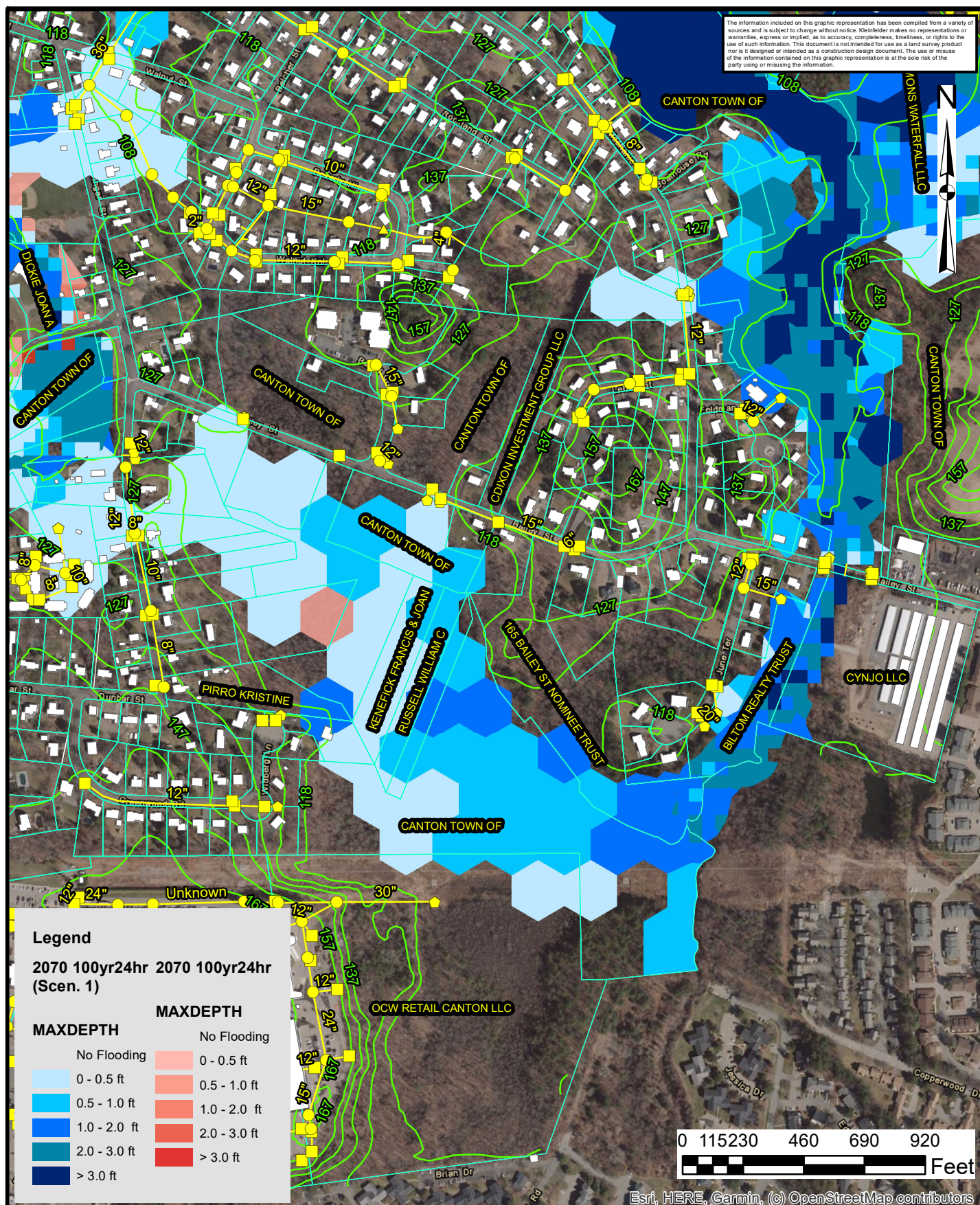
PROJECT NO. 20203163.001A
CREATED: 6/17/2021
CREATED BY: LHowe
CHECKED BY: KJohnson
FILE NAME: Field Maps_KLF_revJune2021.mxd

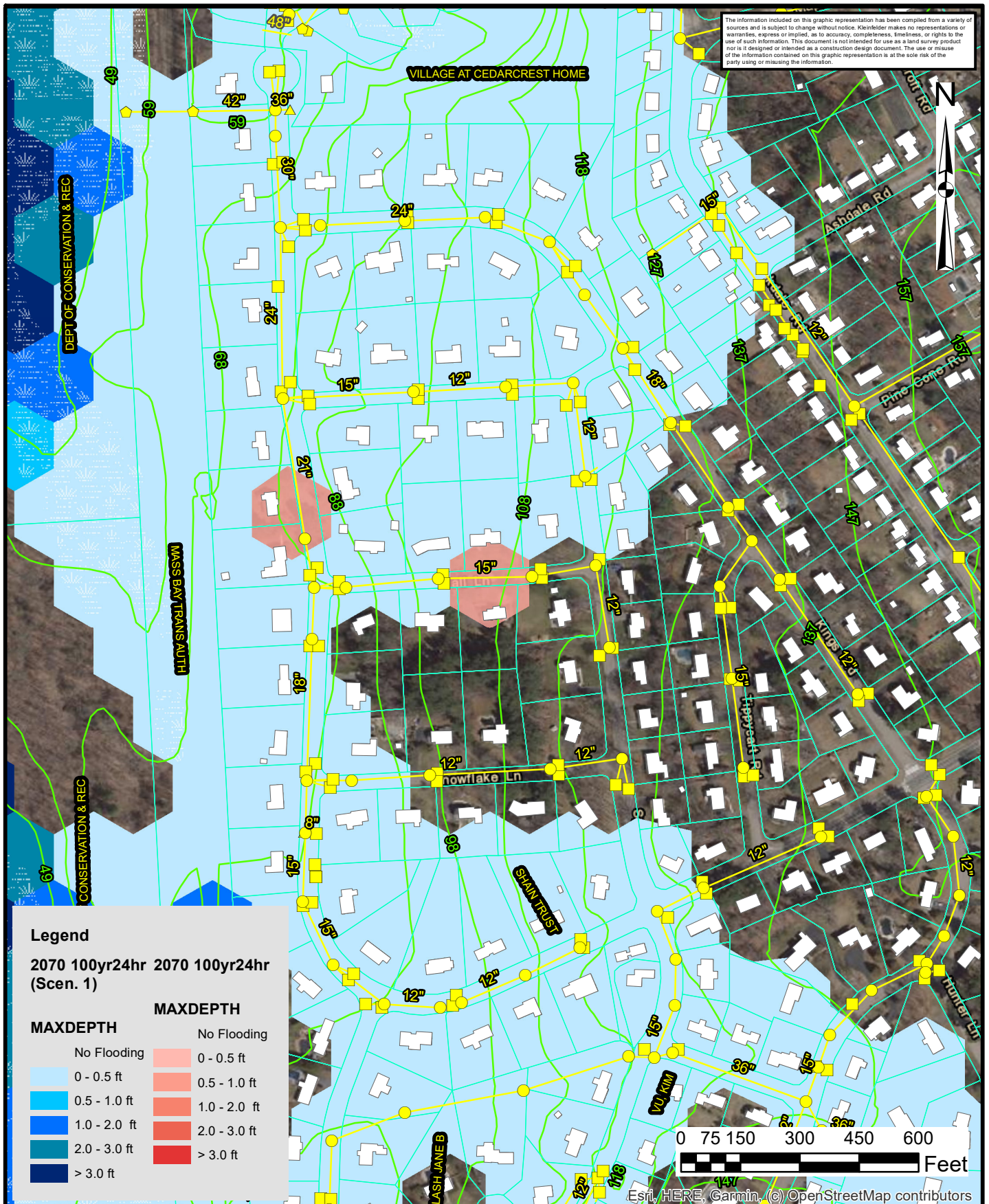
**Shepard Pond
Massapoag Brook**

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

FIGURE

5b



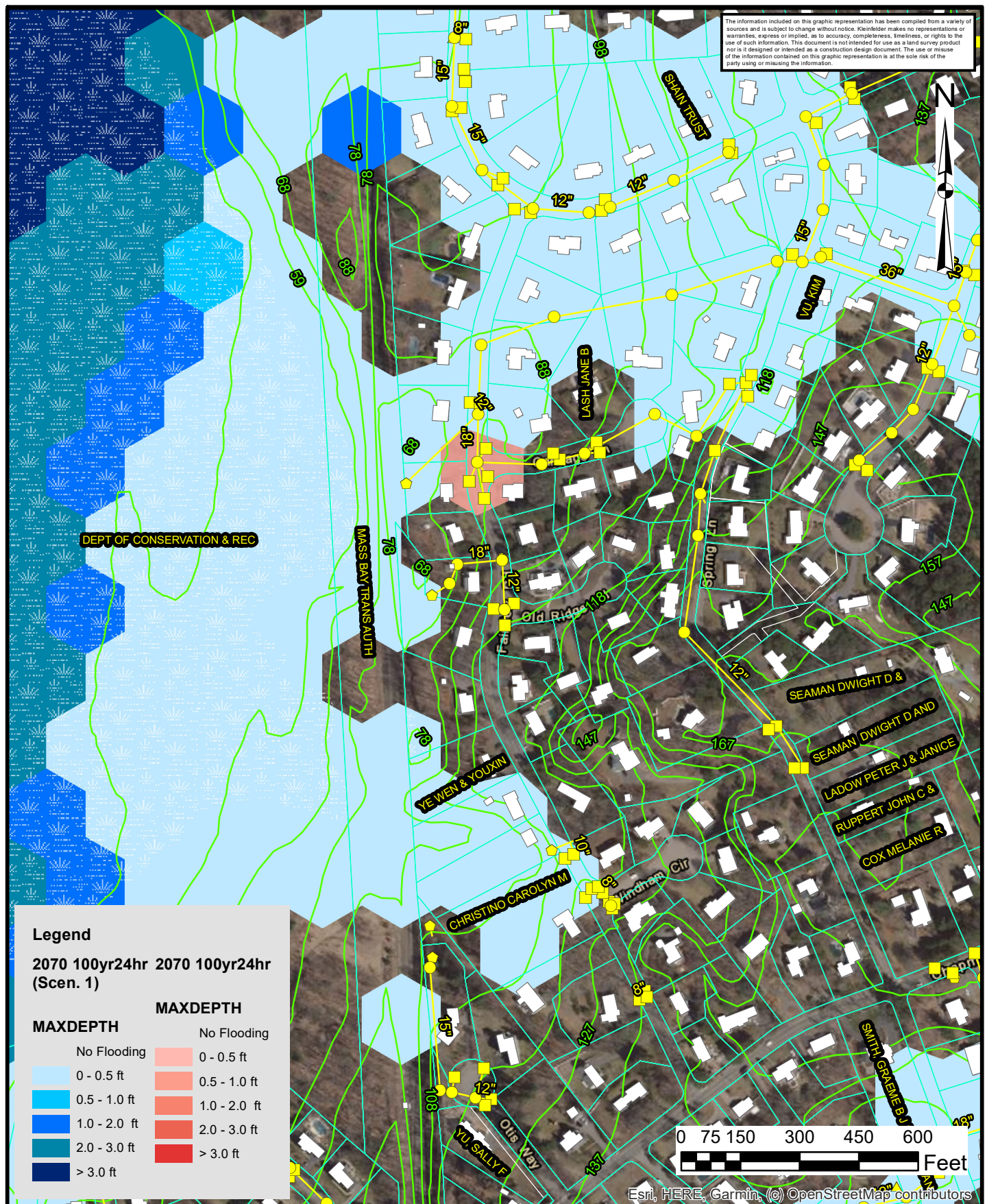


PROJECT NO. 20203163.001A
CREATED: 6/17/2021
CREATED BY: LHowe
CHECKED BY: KJohnson
FILE NAME: Field Maps_KLF_revJune2021.mxd

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

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

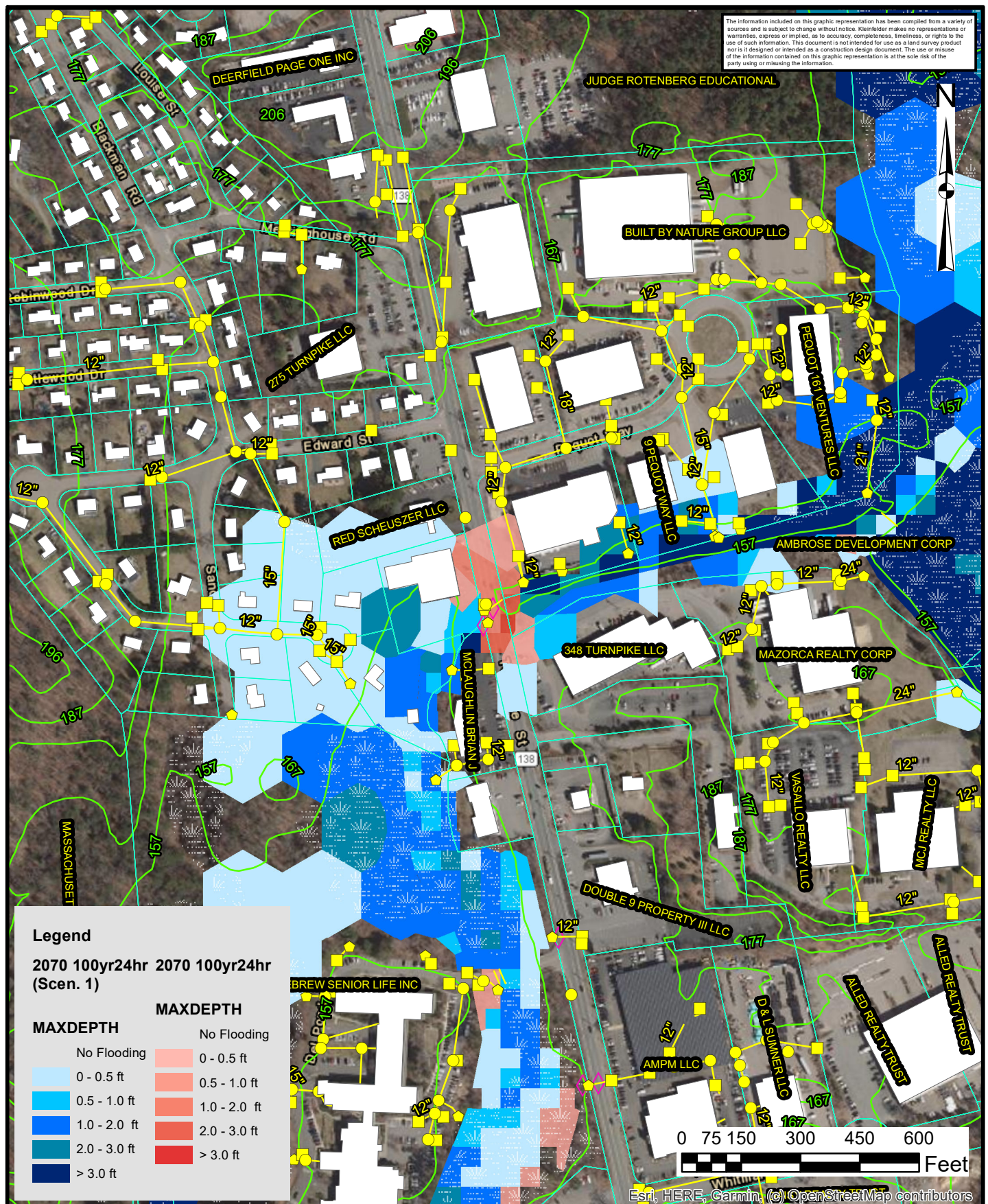
FIGURE
6a



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

**Fairview Rd.
 West of JFK School**
 Town of Canton, MA
 Municipal Vulnerability Preparedness FY20 Action Grant
 Flooding - Areas of Interest

FIGURE
6b



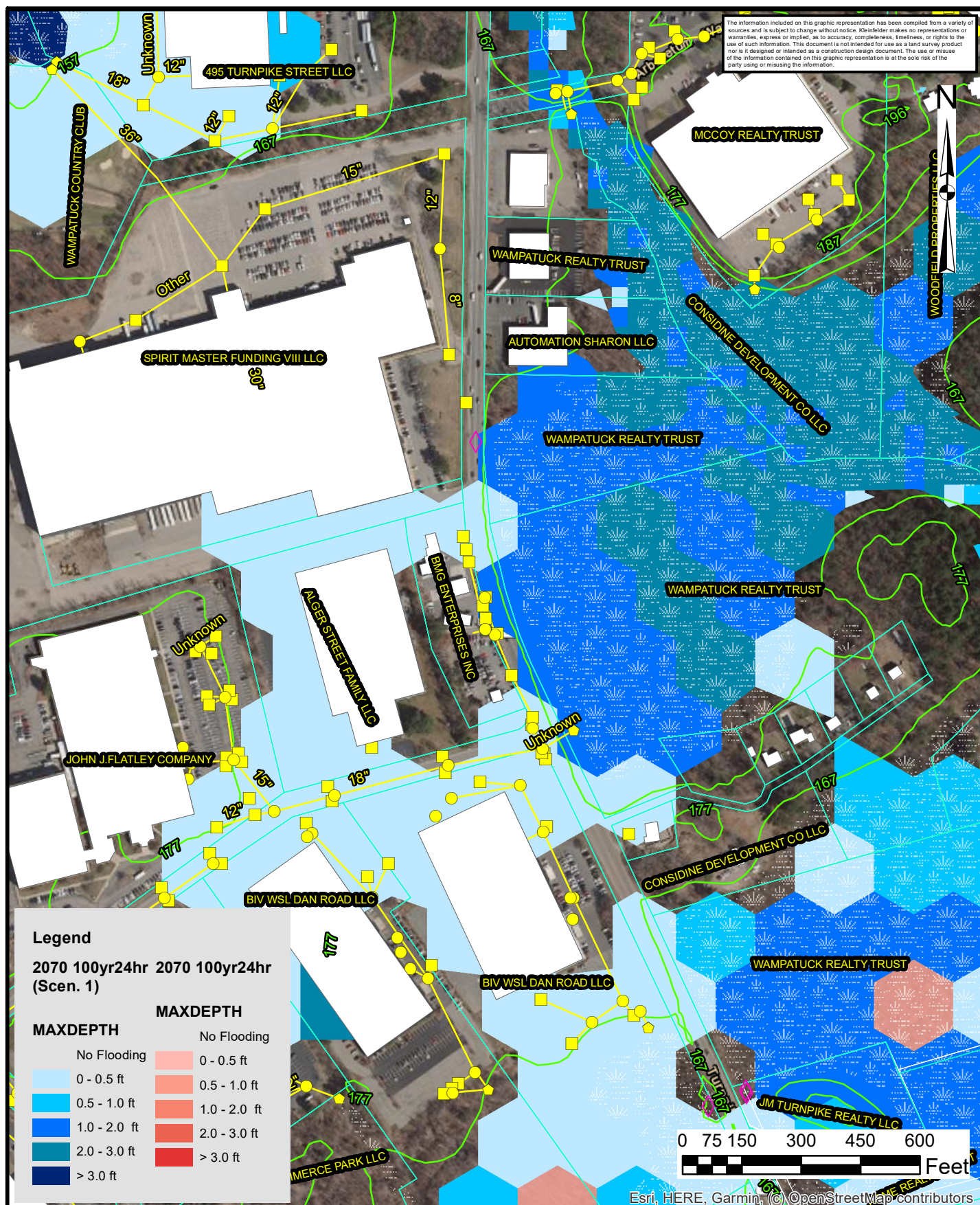
PROJECT NO. 20203163.001A
 CREATED: 6/17/2021
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 CHECKED BY: KJohnson
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**Rte 138 / Del Pond Dr.
 Pequit Brook**

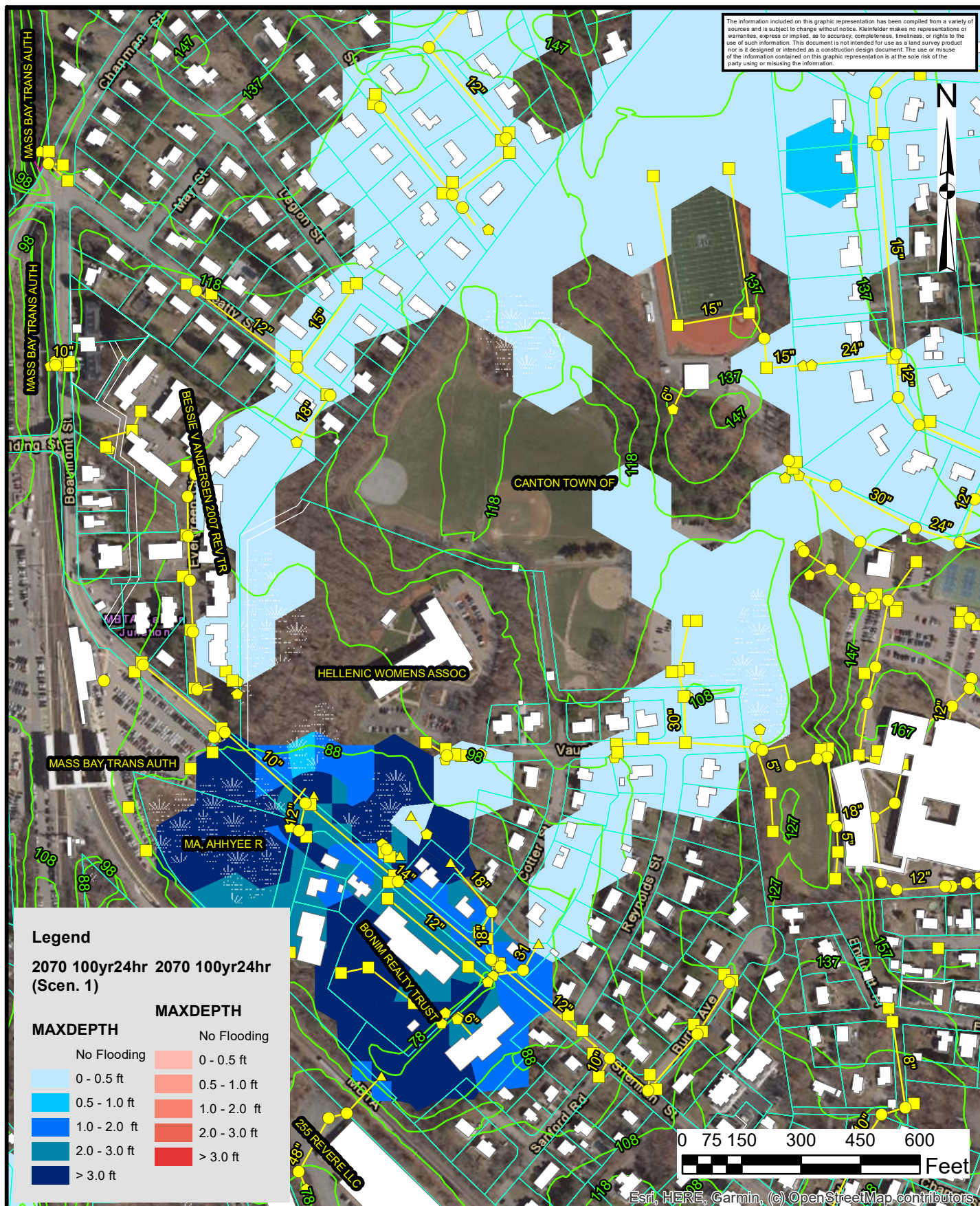
Town of Canton, MA
 Municipal Vulnerability Preparedness FY20 Action Grant
 Flooding - Areas of Interest

FIGURE

7



 KLEINFELDER <i>Bright People. Right Solutions.</i> www.kleinfielder.com	PROJECT NO. 20203163.001A	Rte 138 / Dan Rd. York Brook	FIGURE 8
	CREATED: 6/17/2021		
	CREATED BY: LHowe	Town of Canton, MA Municipal Vulnerability Preparedness FY20 Action Grant Flooding - Areas of Interest	
	CHECKED BY: KJohnson		
	FILE NAME: Field Maps_KLF_revJune2021.mxd		



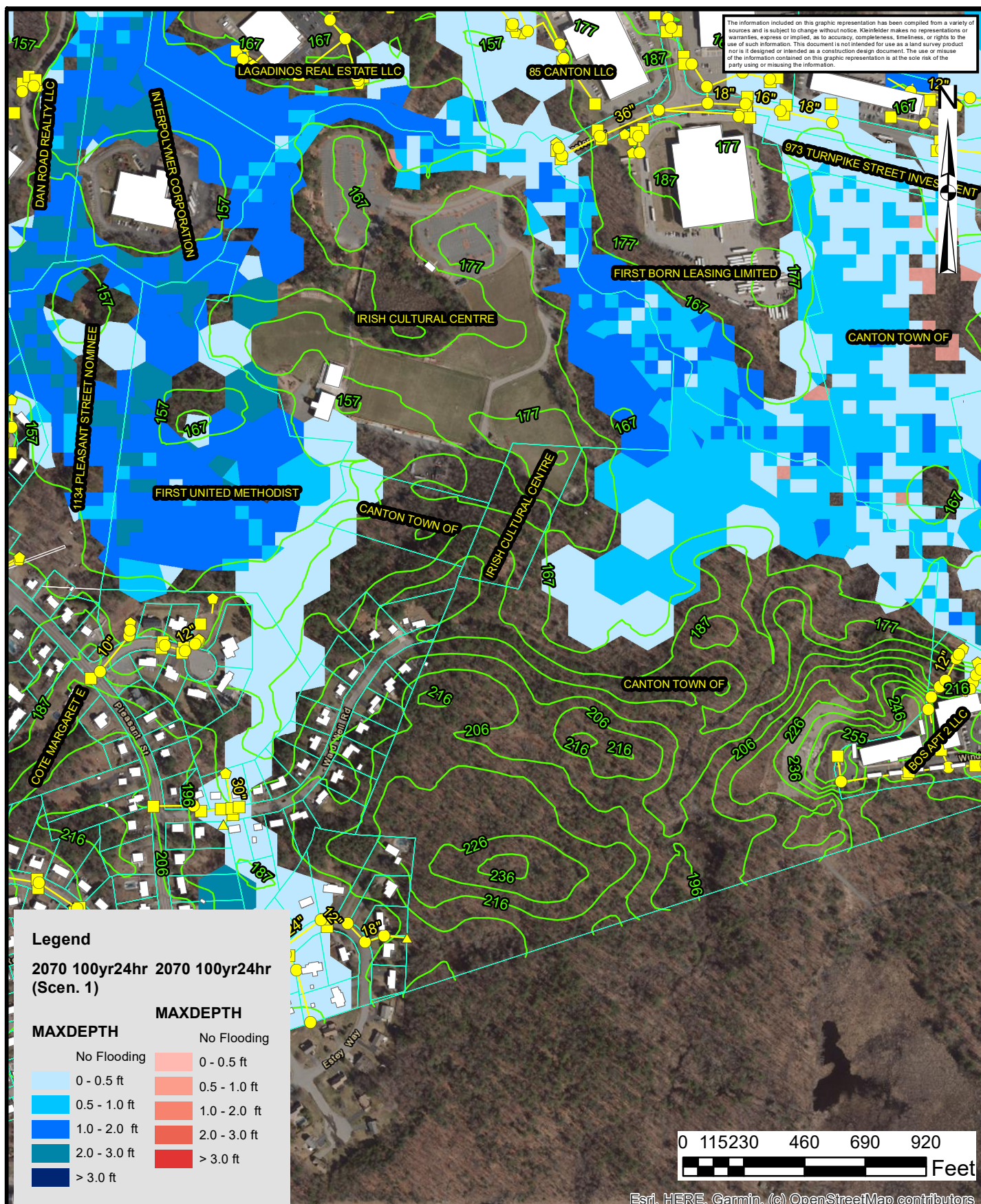
PROJECT NO. 20203163.001A
 CREATED: 6/17/2021
 CREATED BY: LHowe
 CHECKED BY: KJohnson
 FILE NAME:
 Field Maps_KLF_revJune2021.mxd

**Sherman St.
 south of Memorial Field**

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

FIGURE

10



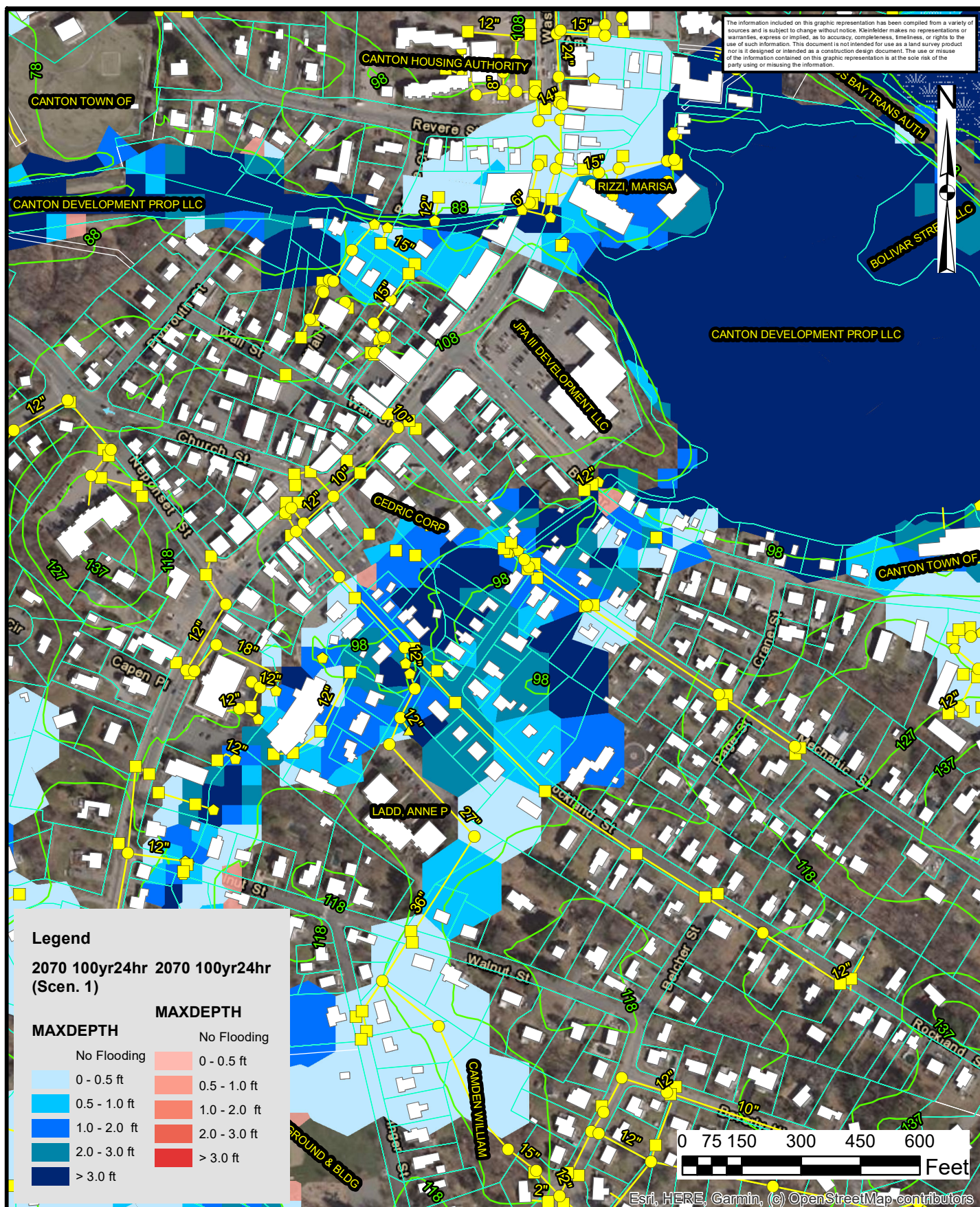
PROJECT NO. 20203163.001A
 CREATED: 6/17/2021
 CREATED BY: LHowe
 CHECKED BY: KJohnson
 FILE NAME:
 Field Maps_KLF_revJune2021.mxd

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

FIGURE

11

Date: 6/17/2021 User: KJohnson Path: \\azgjsstorp01\GIS_Projects\Client\MA_Canton\202003163.001A - 2020 MVP Action Grant\Field Maps_KLF_revJune2021.mxd



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

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

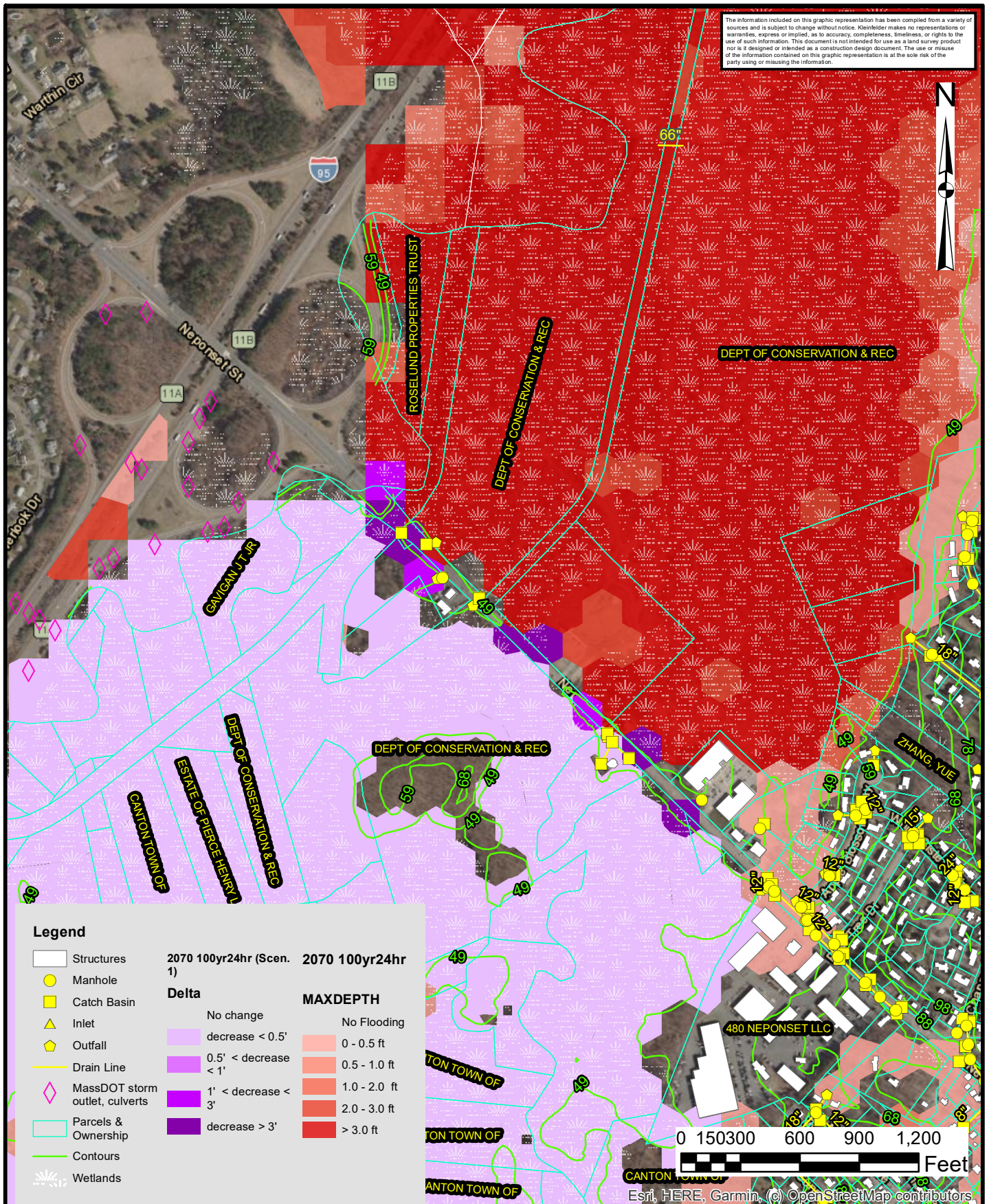
Town of Canton, MA
Municipal Vulnerability Preparedness FY20 Action Grant
Flooding - Areas of Interest

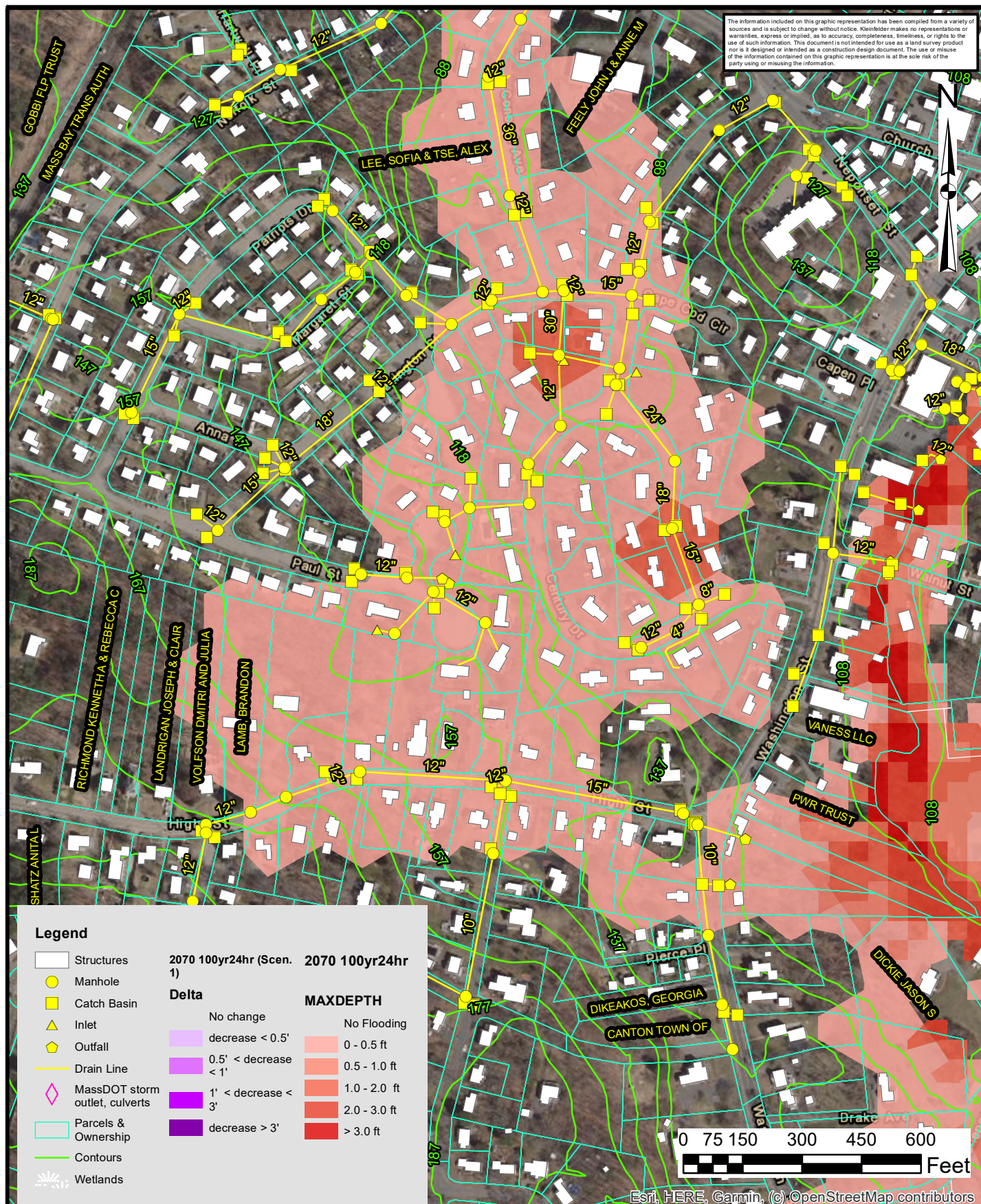
FIGURE


12

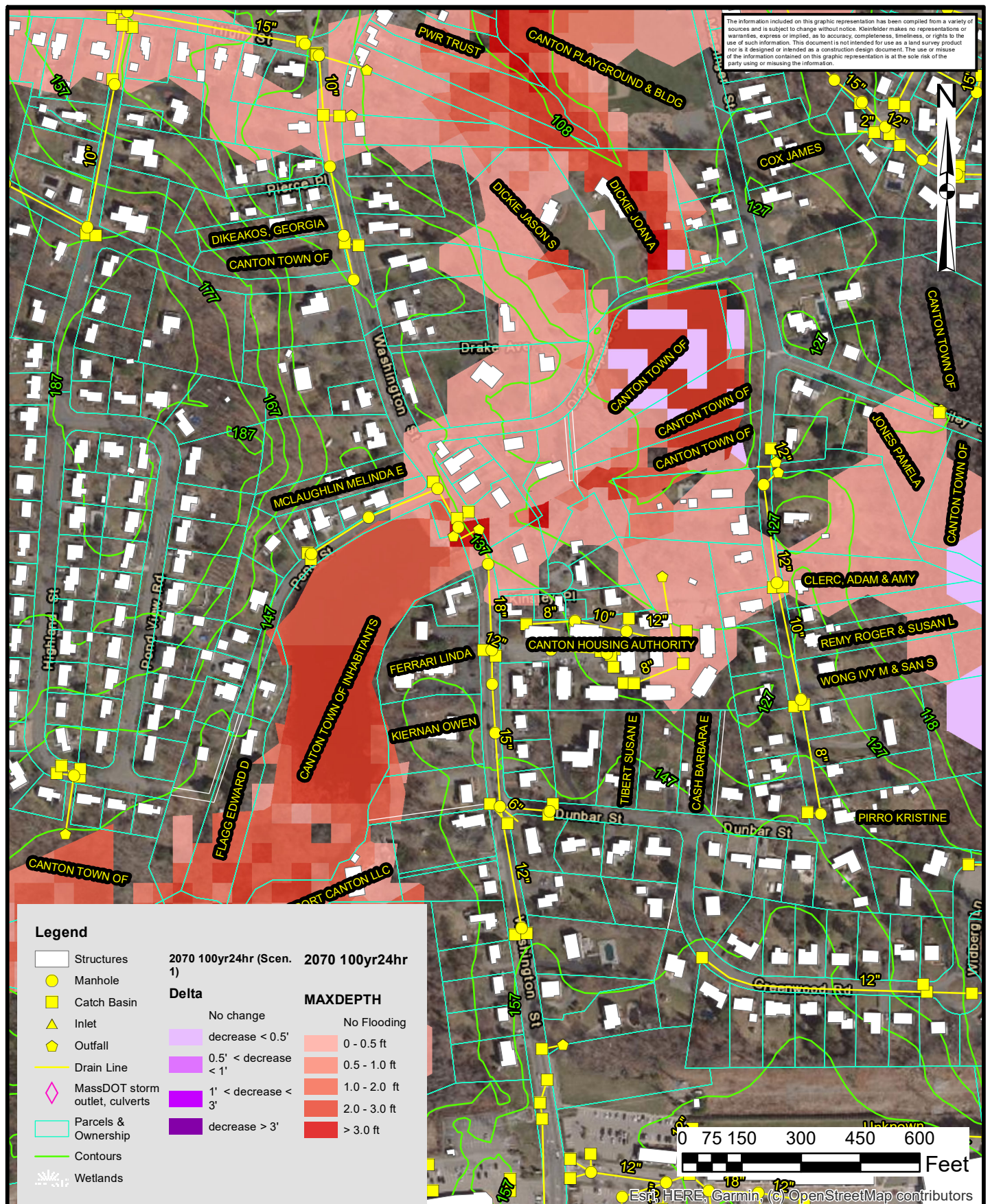
Mitigation Scenario #1

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_KLF_revJune2021_pre and post.mxd	PROJECT NO. 20203163.001A	Washington St. & High St.	FIGURE 2a
	CREATED: 6/21/2021		
	CREATED BY: LHowe		
	CHECKED BY: KJohnson	Town of Canton, MA Municipal Vunerability Preparedness FY20 Action Grant Flooding - Areas of Interest	
	FILE NAME: Field Maps_KLF_revJune2021_pre and post.mxd		



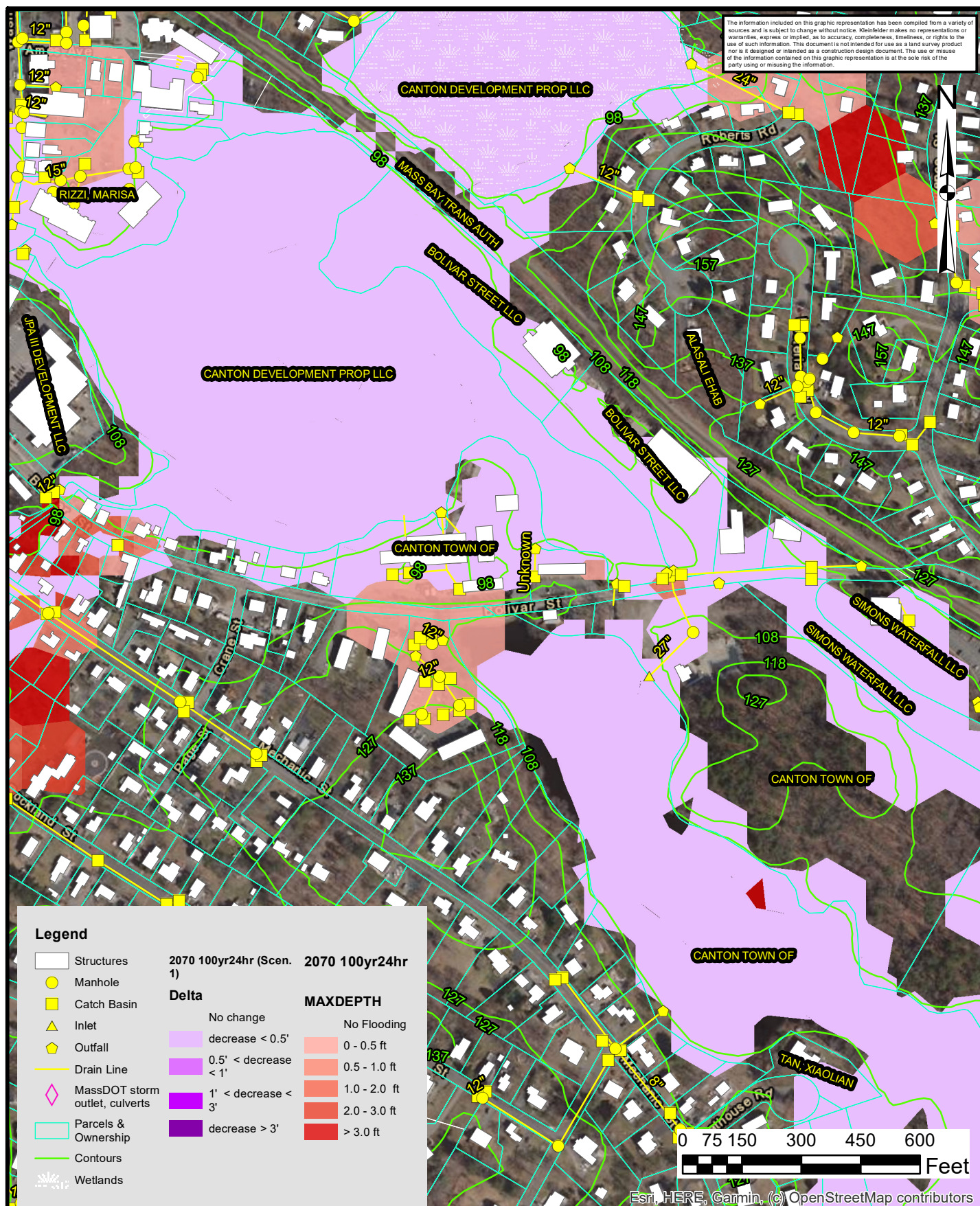
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CREATED: 6/21/2021
CREATED BY: LHowe
CHECKED BY: KJohnson
FILE NAME: Field Maps_KLF_revJune2021_pre and post.mxd


**Washington St.
at Shepard Pond**

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


FIGURE

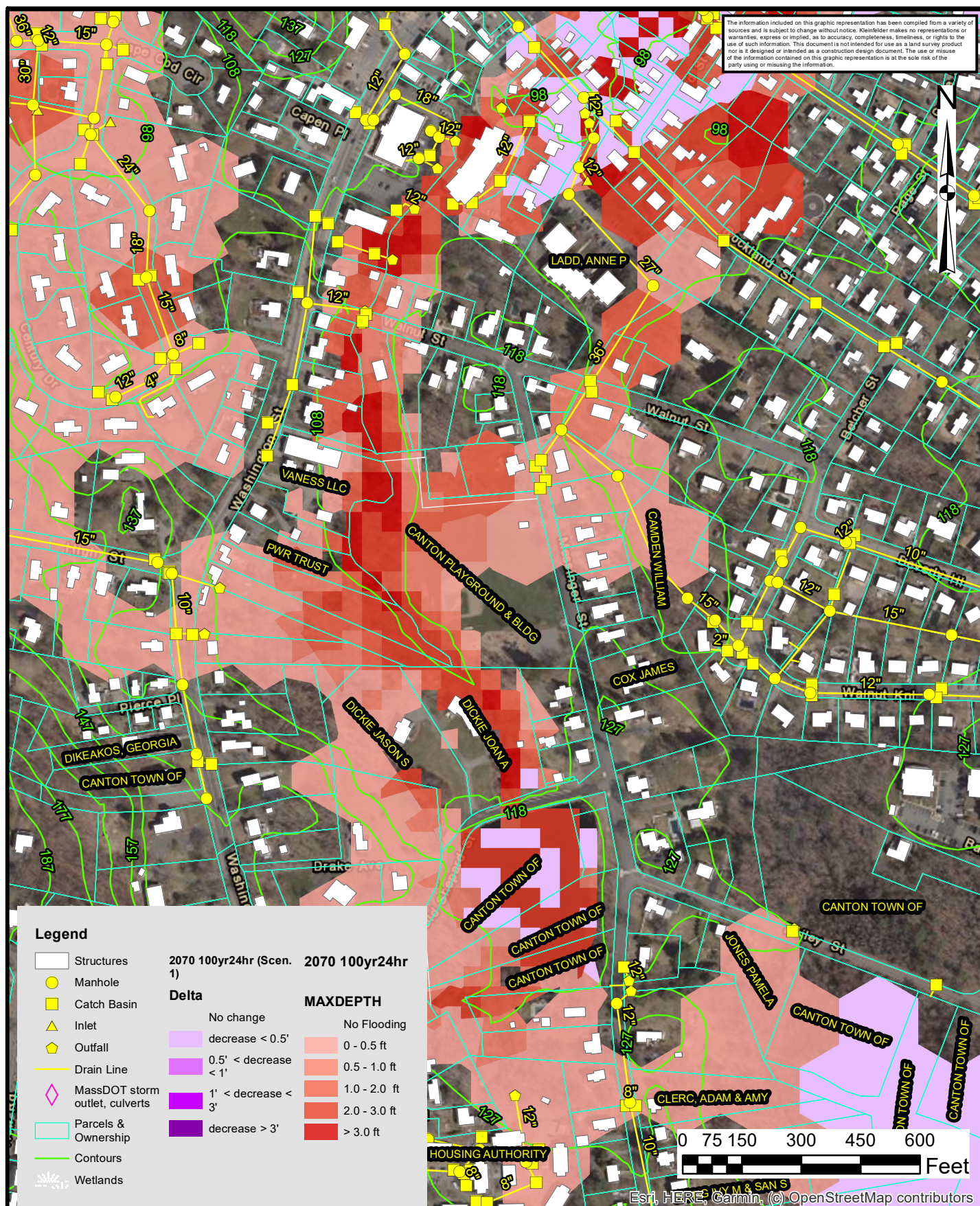
2b




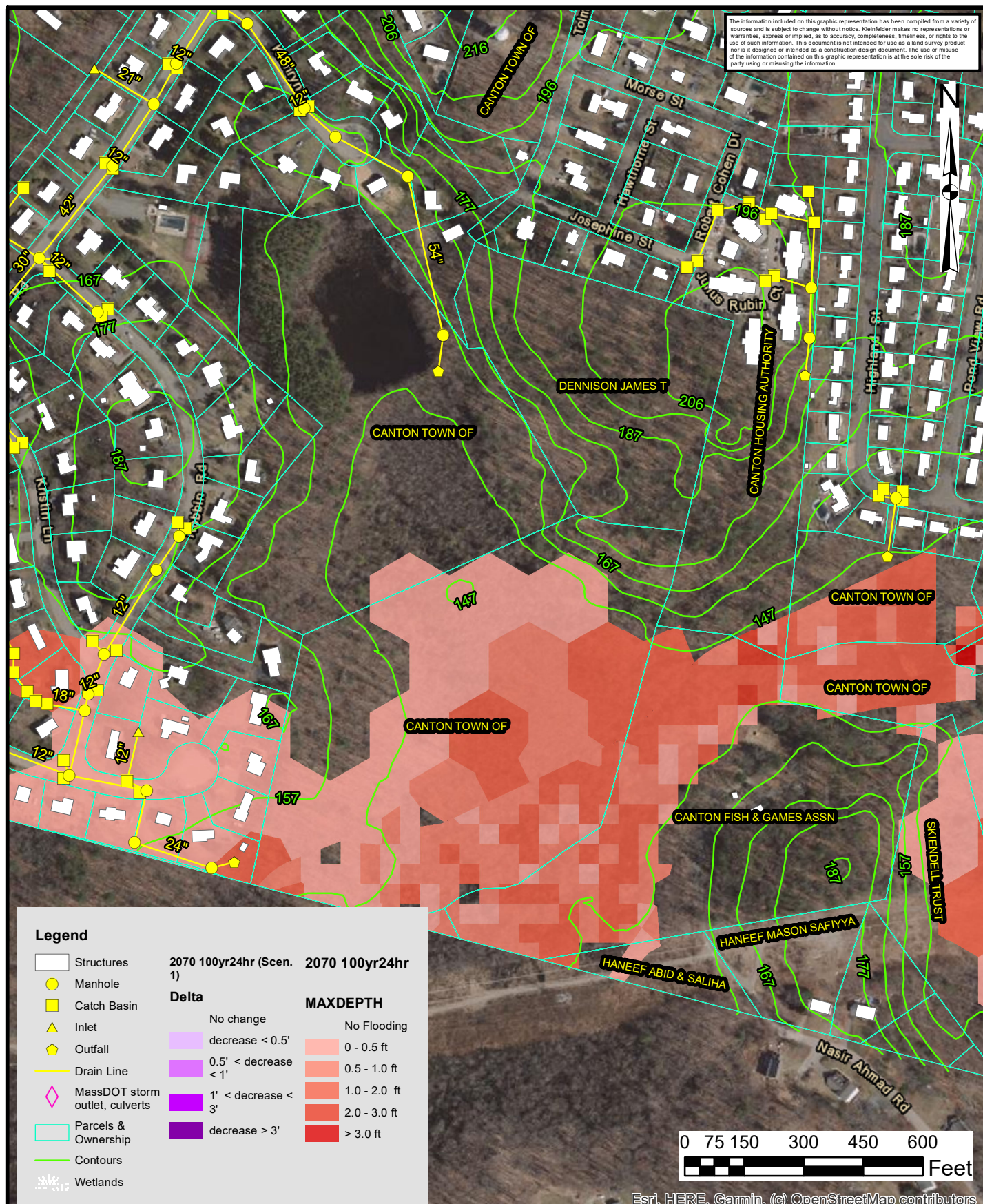
 <p>KLEINFELDER <i>Bright People. Right Solutions.</i></p> <p>www.kleinfielder.com Field Maps_KLF_revJune2021_pre and post.mxd</p>	PROJECT NO. 20203163.001A	Bolivar St. at Bolivar Pond	FIGURE 3a
	CREATED: 6/21/2021		
	CREATED BY: LHowe	Town of Canton, MA Municipal Vulnerability Preparedness FY20 Action Grant Flooding - Areas of Interest	
	CHECKED BY: KJohnson		
	FILE NAME:		




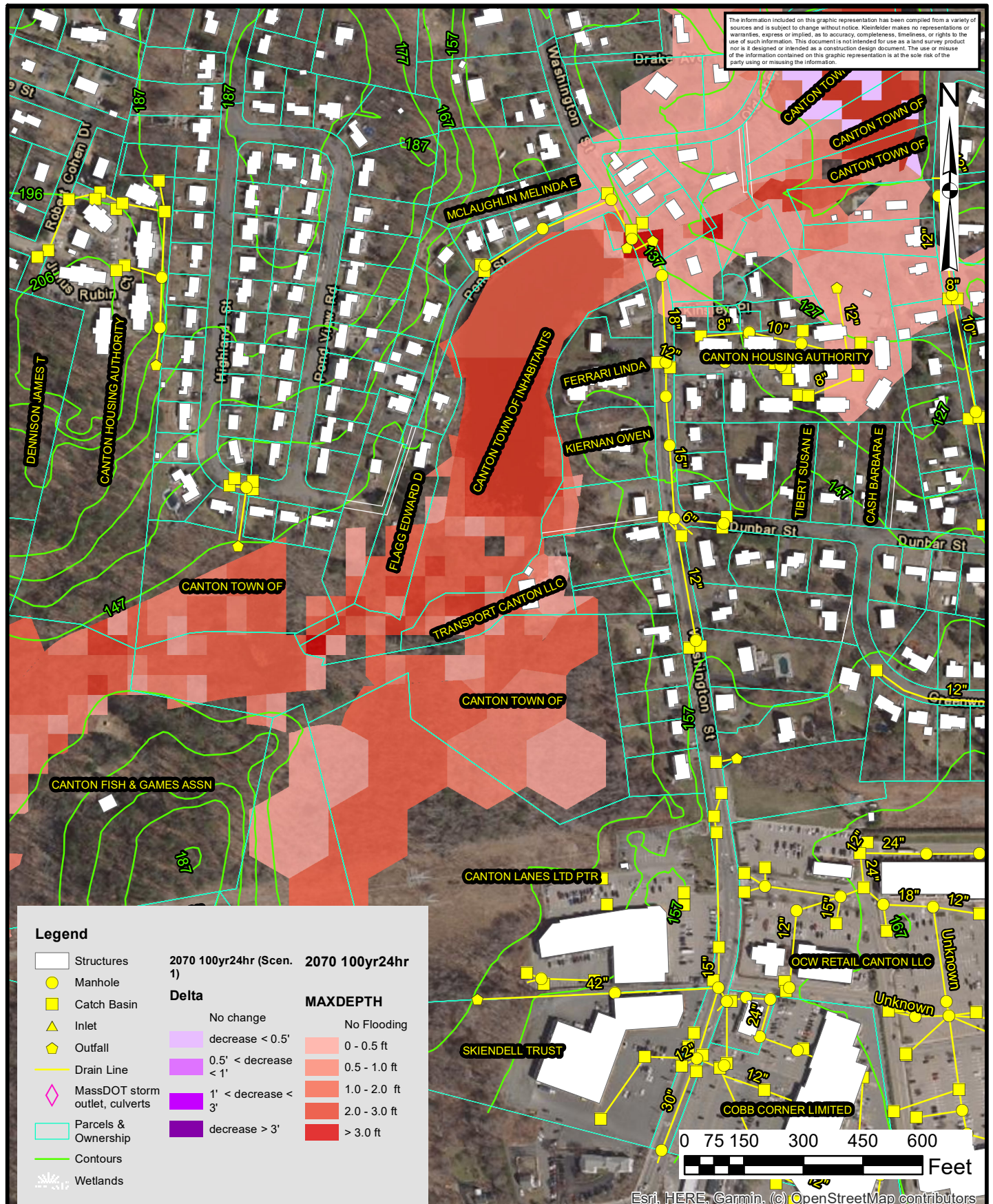
 KLEINFELDER <i>Bright People. Right Solutions.</i> www.kleinfielder.com Field Maps_KLF_revJune2021_pre and post.mxd	PROJECT NO. 20203163.001A	Washington St. at Forge Pond Dam	FIGURE 3b
	CREATED: 6/21/2021		
	CREATED BY: LHowe	Town of Canton, MA Municipal Vulnerability Preparedness FY20 Action Grant Flooding - Areas of Interest	
	CHECKED BY: KJohnson		
	FILE NAME:		

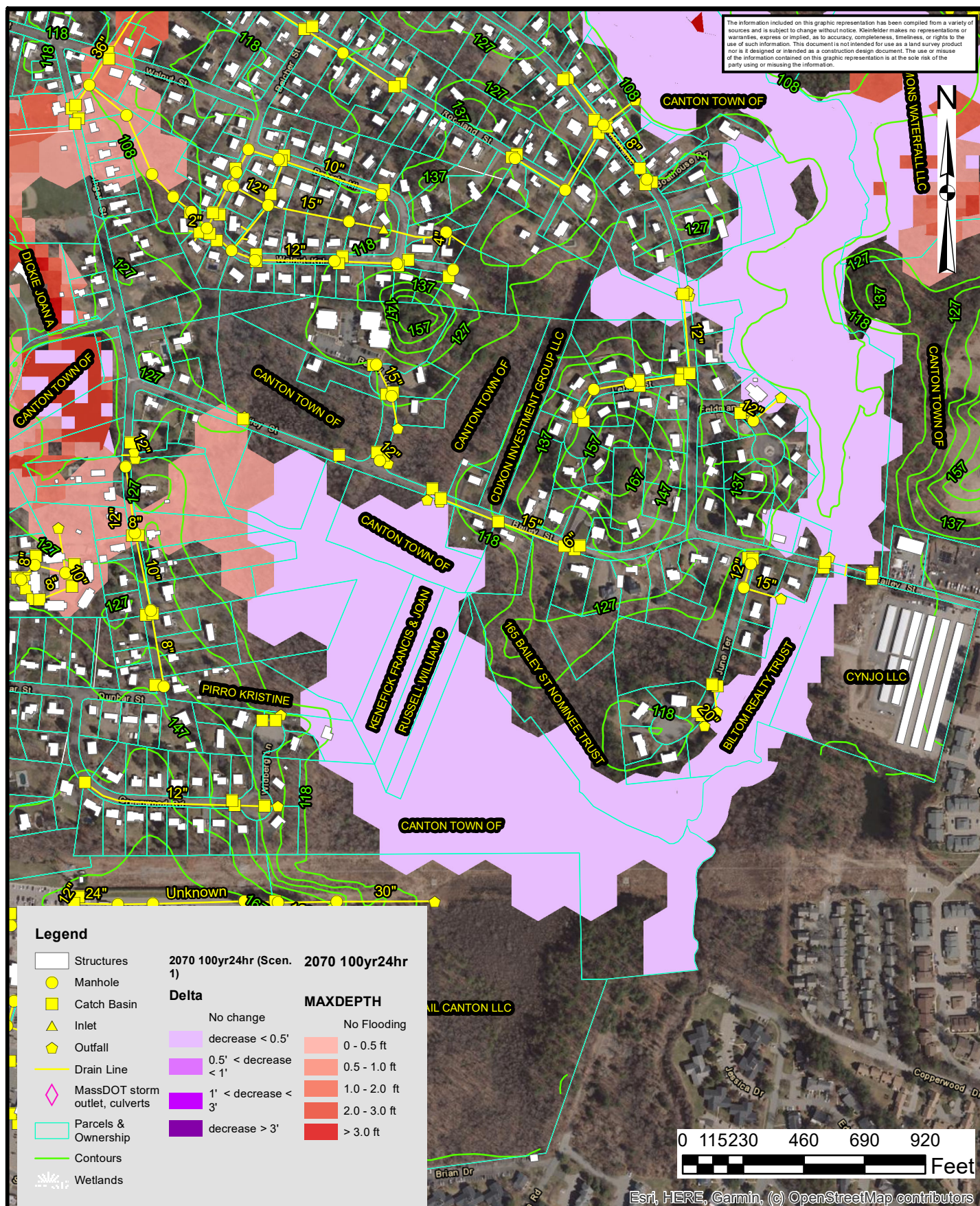



 KLEINFELDER <i>Bright People. Right Solutions.</i> www.kleinfielder.com Field Maps_KLF_revJune2021_pre and post.mxd	PROJECT NO. 20203163.001A	Messinger Park Massapoag Brook	FIGURE 4
	CREATED: 6/21/2021		
	CREATED BY: LHowe	Town of Canton, MA Municipal Vulnerability Preparedness FY20 Action Grant Flooding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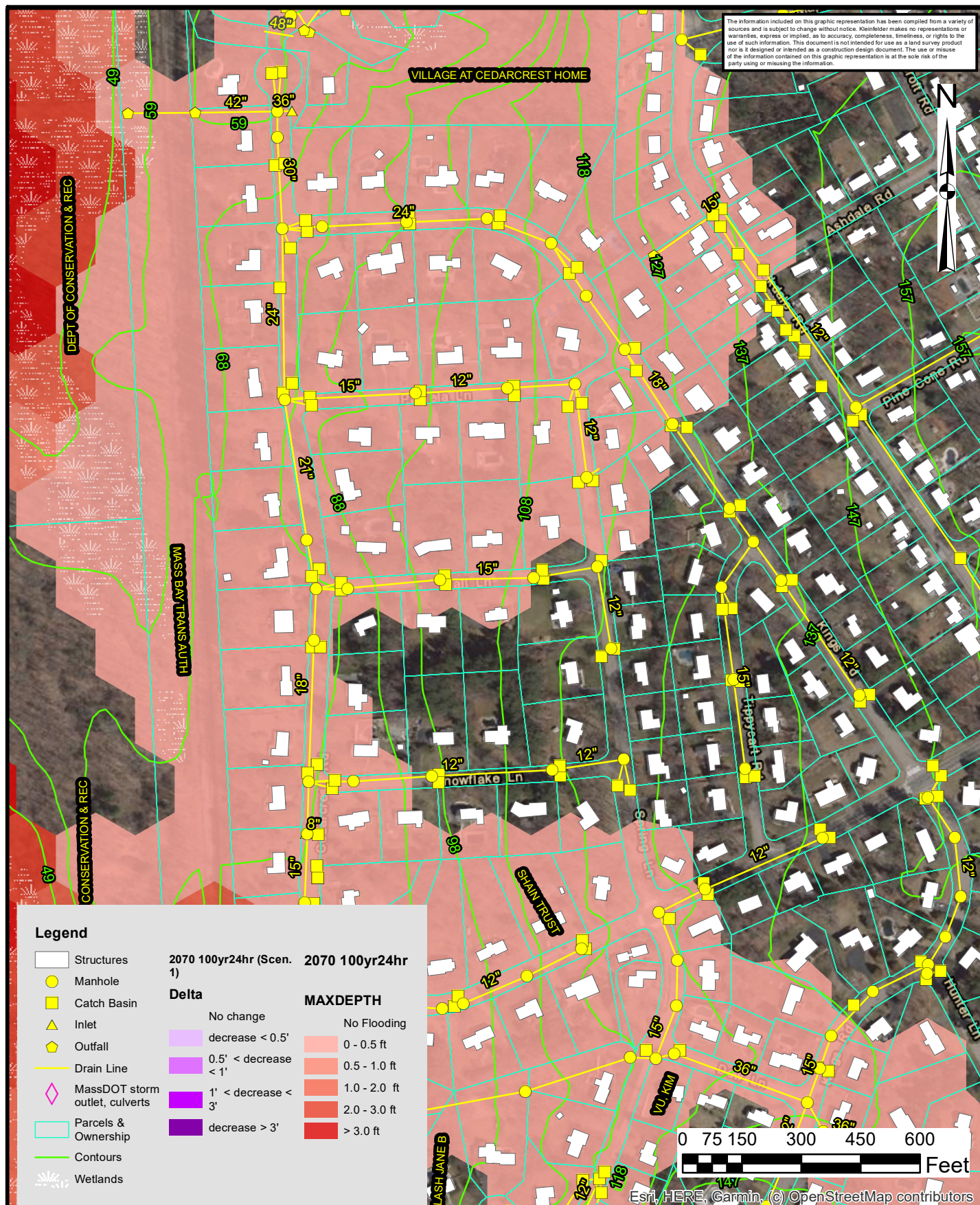


 <p>KLEINFELDER <i>Bright People. Right Solutions.</i> www.kleinfielder.com Field Maps_KLF_revJune2021_pre and post.mxd</p>	PROJECT NO. 20203163.001A	Tolman S. Conservation Area Massapoag Brook	FIGURE 5a
	CREATED: 6/21/2021		
	CREATED BY: LHowe	Town of Canton, MA Municipal Vulnerability Preparedness FY20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





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	CREATED: 6/21/2021		
	CREATED BY: LHowe	Town of Canton, MA Municipal Vulnerability Preparedness FY20 Action Grant Flooding - Areas of Interest	
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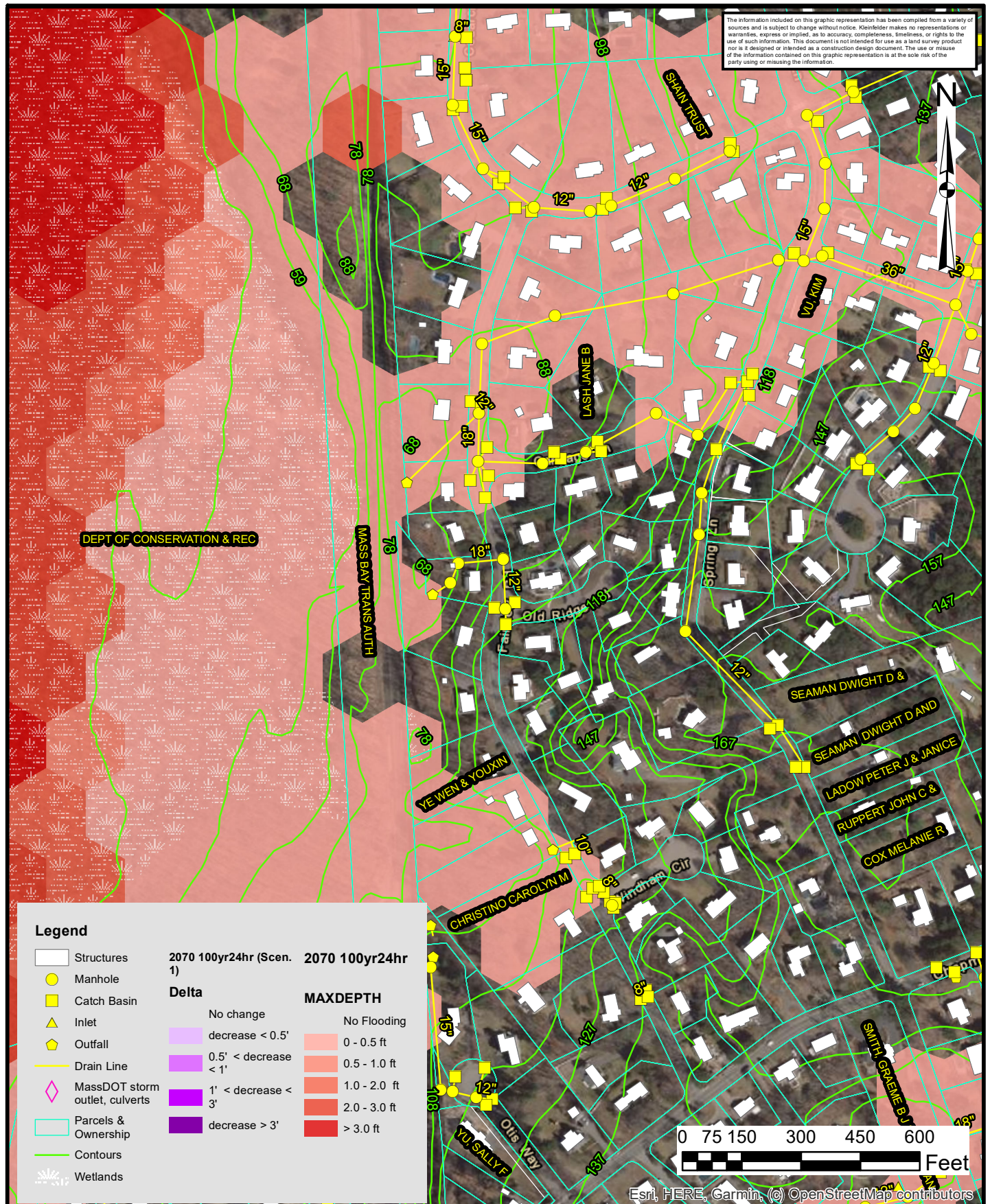
PROJECT NO. 20203163.001A
CREATED: 6/21/2021
CREATED BY: LHowe
CHECKED BY: KJohnson
FILE NAME: Field Maps_KLF_revJune2021_pre and post.mxd

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

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

FIGURE

6a

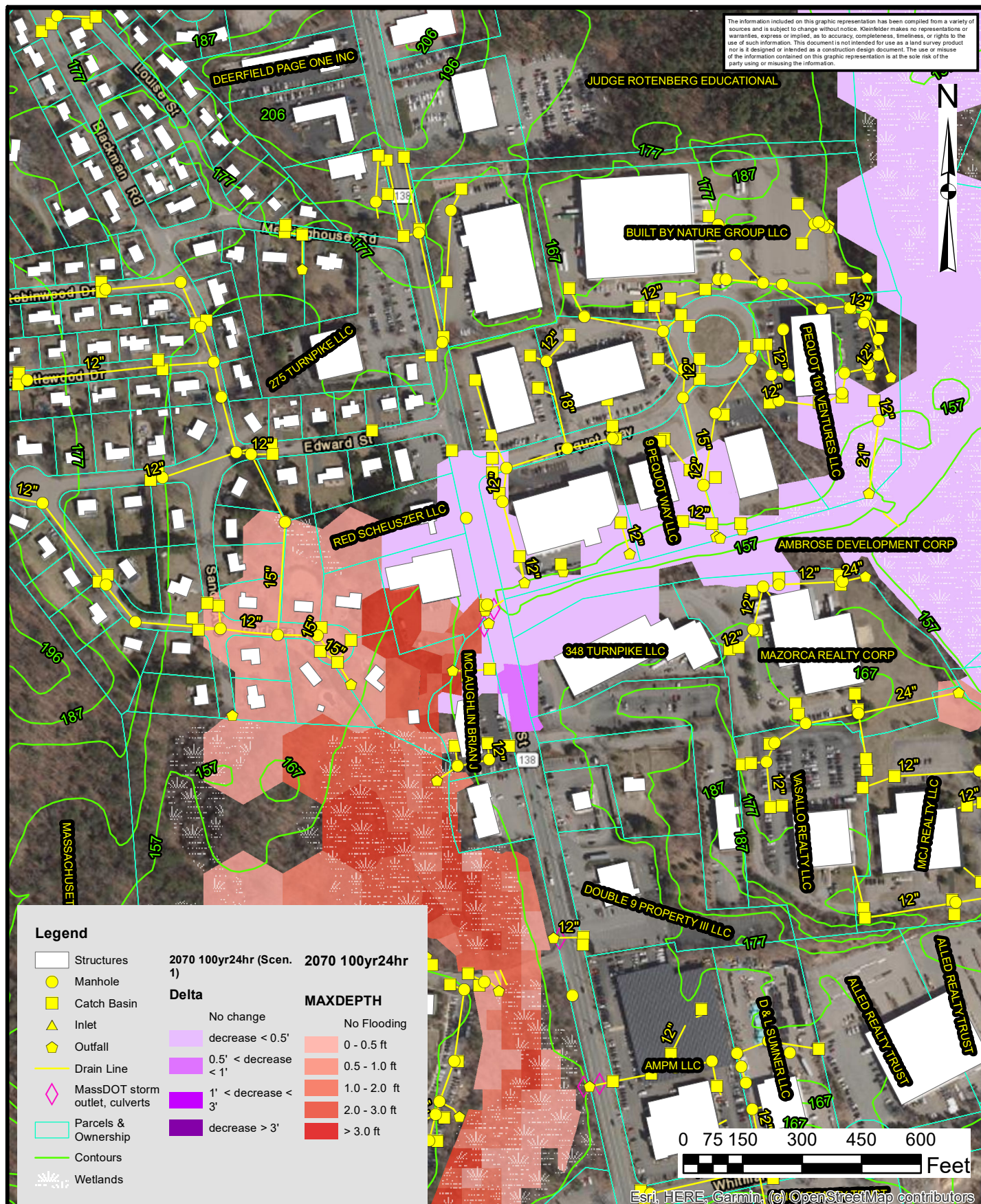



PROJECT NO. 20203163.001A
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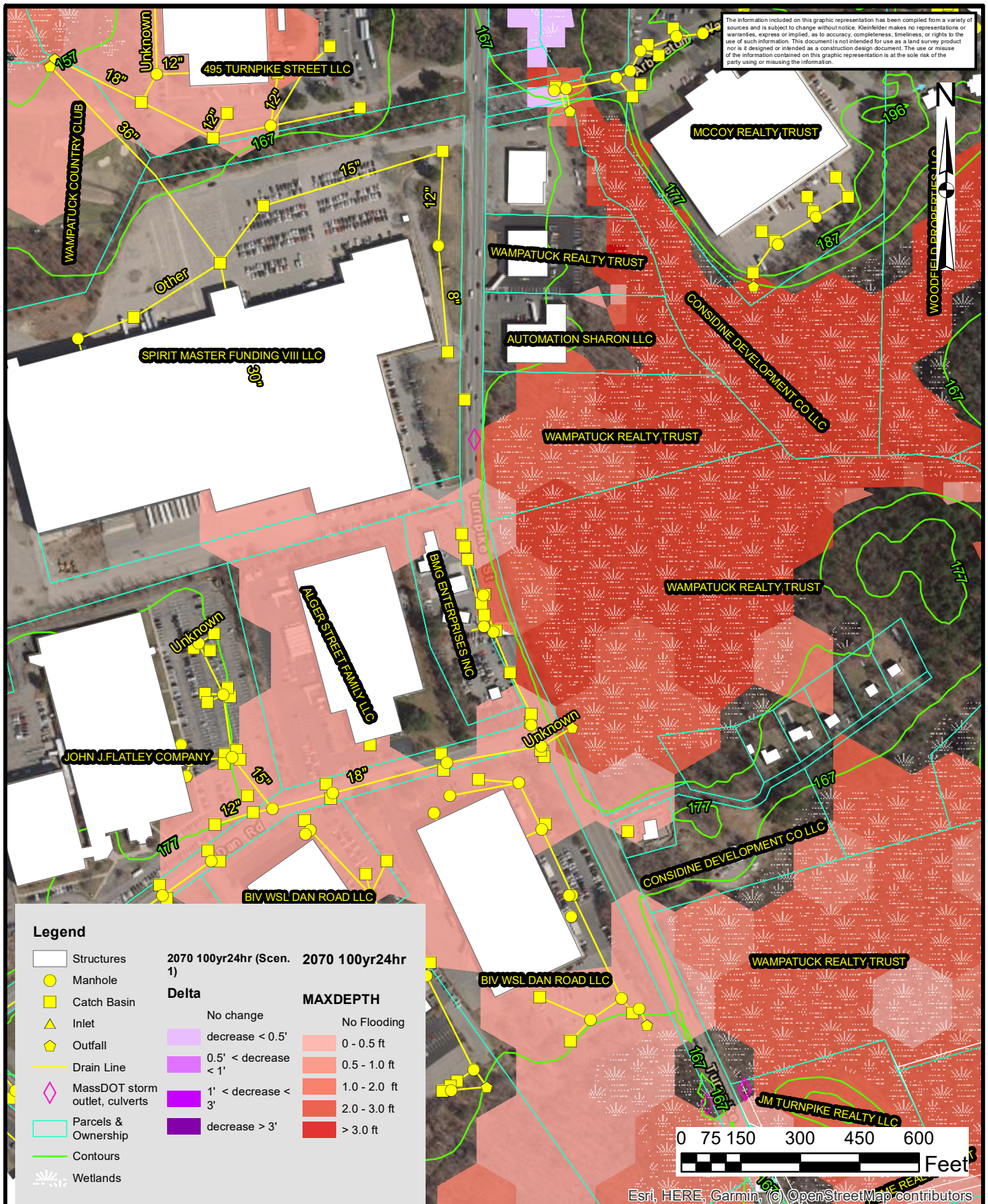
**Fairview Rd.
 West of JFK School**

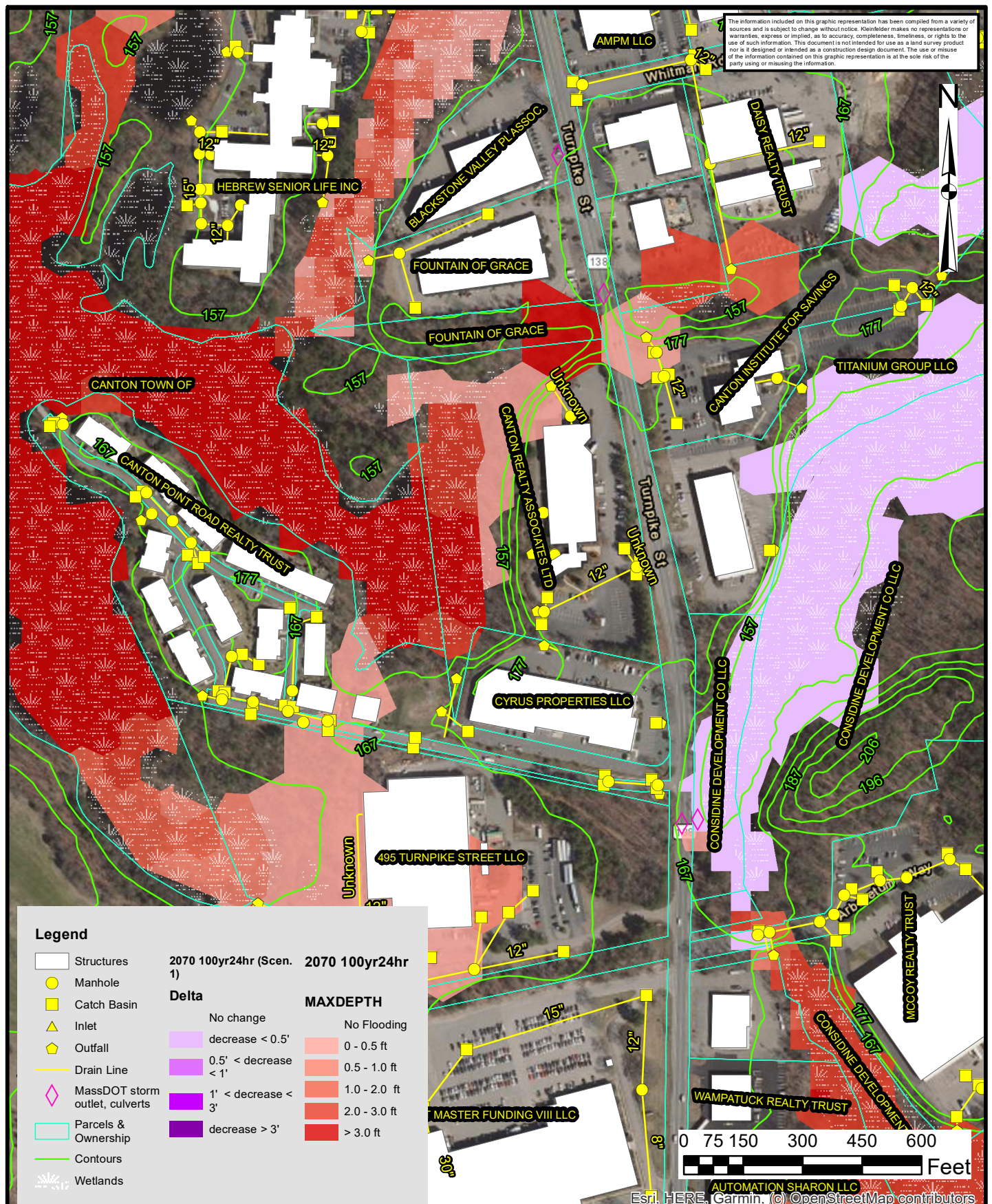
Town of Canton, MA
 Municipal Vulnerability Preparedness FY20 Action Grant
 Flooding - Areas of Interest

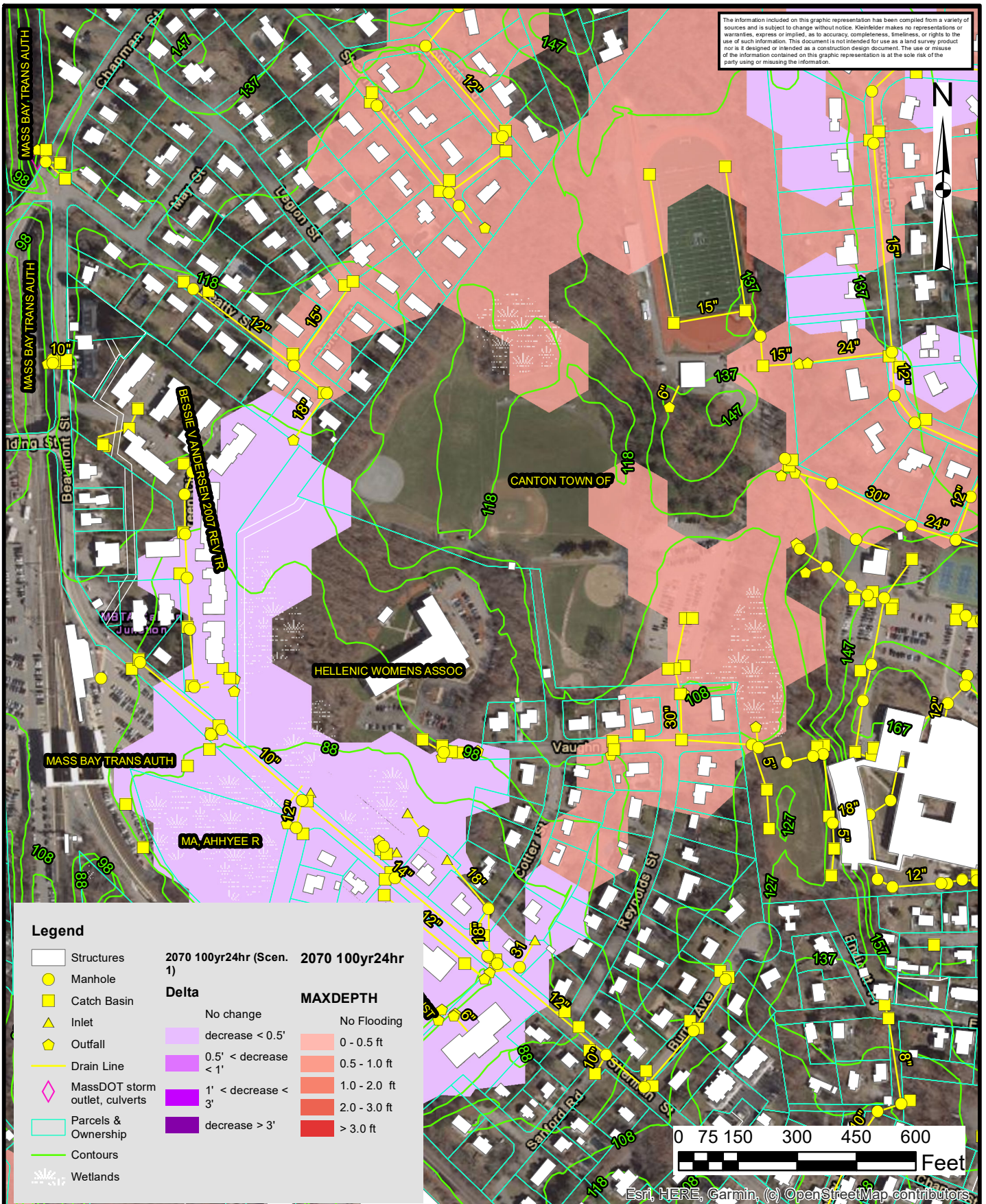
FIGURE
6b

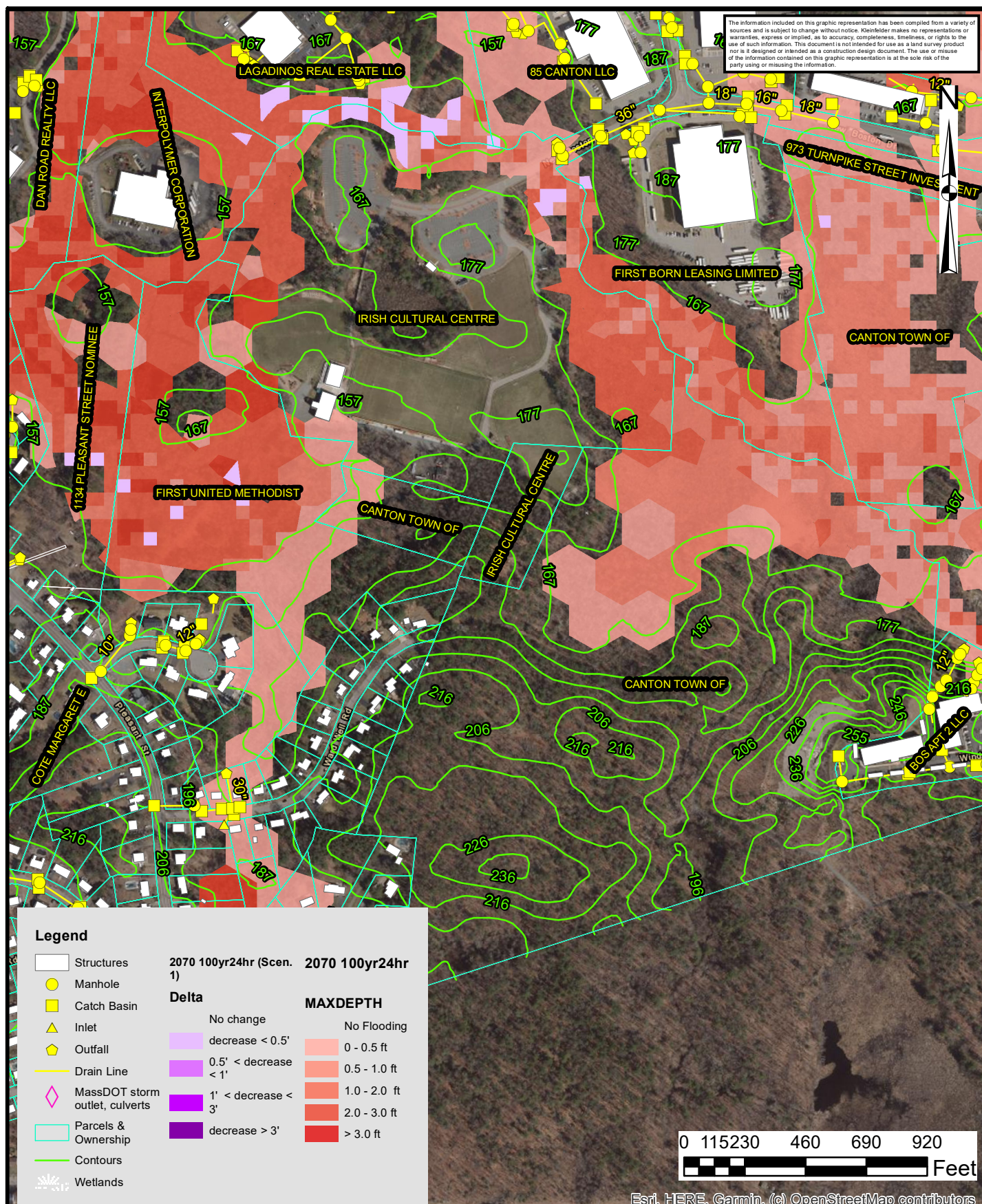



 KLEINFELDER <i>Bright People. Right Solutions.</i> www.kleinfielder.com Field Maps_KLF_revJune2021_pre and post.mxd	PROJECT NO. 20203163.001A	Rte 138 / Del Pond Dr. Pequit Brook	FIGURE 7
	CREATED: 6/21/2021		
	CREATED BY: LHowe	Town of Canton, MA Municipal Vulnerability Preparedness FY20 Action Grant Flooding - Areas of Interest	
	CHECKED BY: KJohnson		
	FILE NAME:		









 <p>KLEINFELDER <i>Bright People. Right Solutions.</i> www.kleinfelder.com Field Maps_KLF_revJune2021_pre and post.mxd</p>	PROJECT NO. 20203163.001A	Town Conservation Land Along Red Wing Brook	FIGURE 11
	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		

