

Appendix H -

PCSWMM Modeling Results (per Area of Interest)

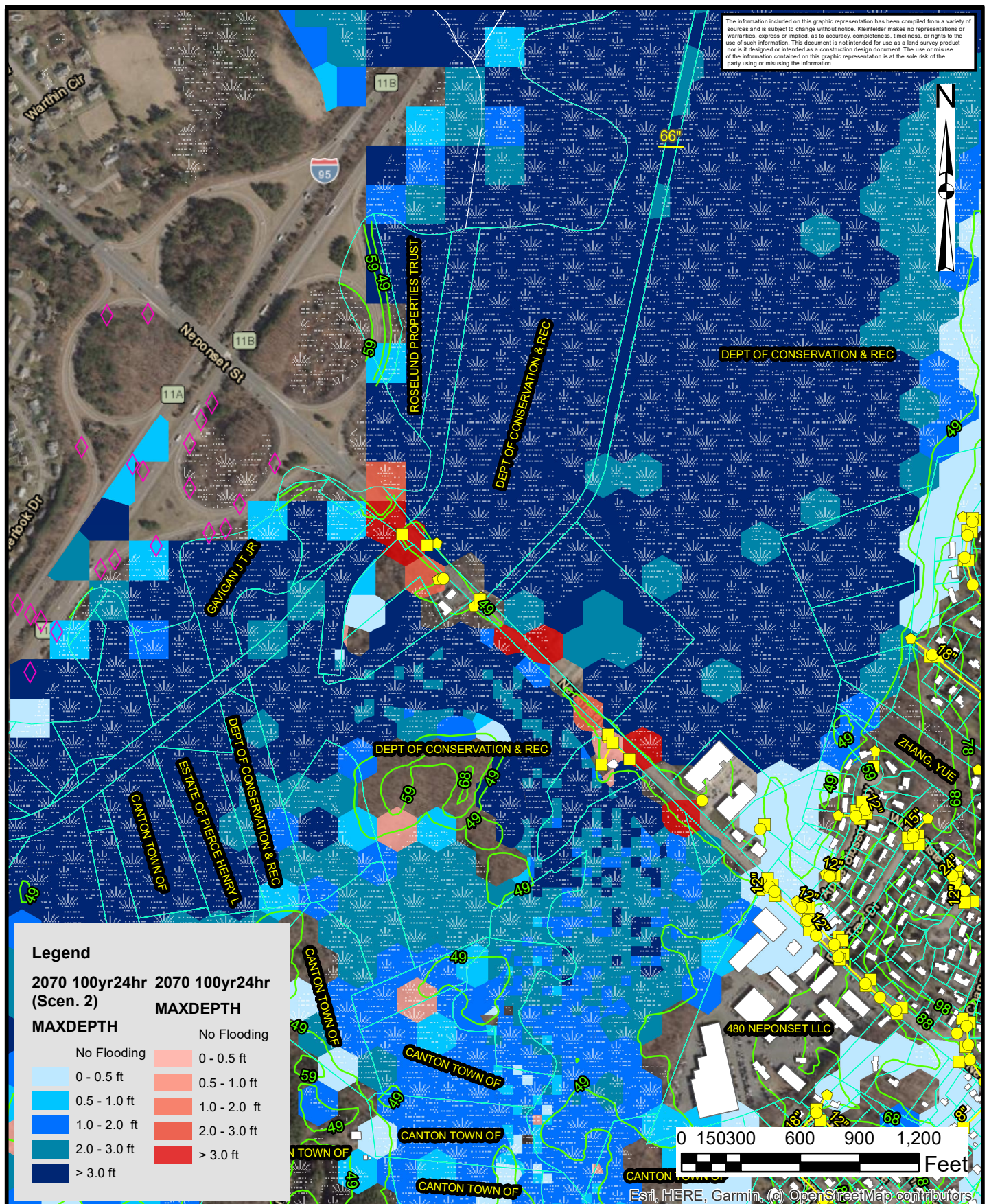
Mitigation Scenario #2

Mitigation Scenario #2

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

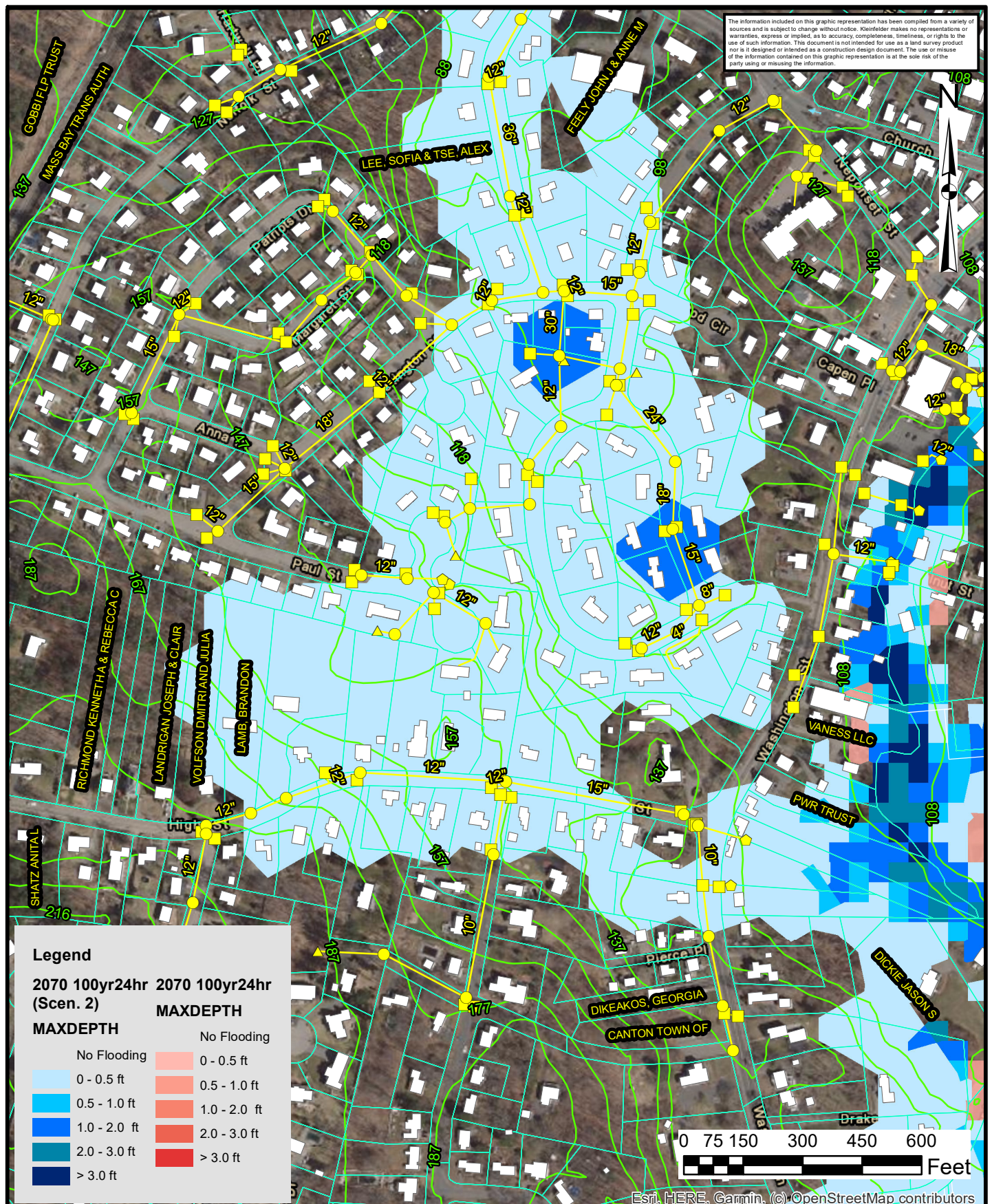



PROJECT NO. 20203163.001A
 CREATED: 6/28/2021
 CREATED BY: LHowe
 CHECKED BY: KJohnson
 FILE NAME: Field Maps_KLF_revJune2021_pre and post.mxd

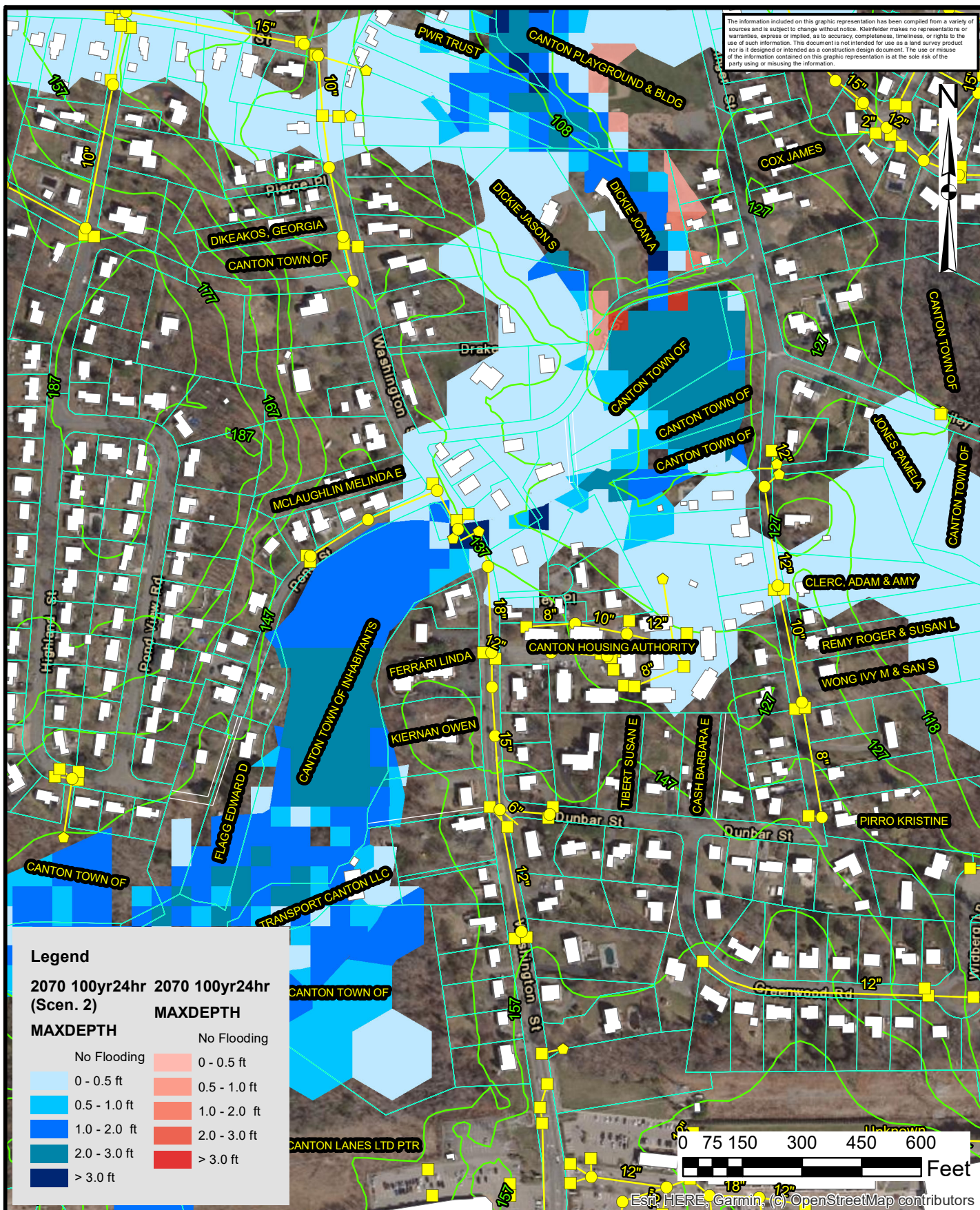
**Neponset St.
 at Neponset River (zoomed out)**

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

FIGURE
1



 <p>KLEINFELDER Bright People. Right Solutions. www.kleinfelder.com Field Maps_KLF_revJune2021_pre and post.mxd</p>	PROJECT NO. 20203163.001A	Washington St. & High St.	FIGURE
	CREATED: 6/28/2021		
	CREATED BY: LHowe	Town of Canton, MA Municipal Vulnerability Preparedness FY20 Action Grant Flooding - Areas of Interest	2a
	CHECKED BY: KJohnson		
	FILE NAME:		



PROJECT NO. 20203163.001A

CREATED: 6/28/2021

CREATED BY: LHowe

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FILE NAME:

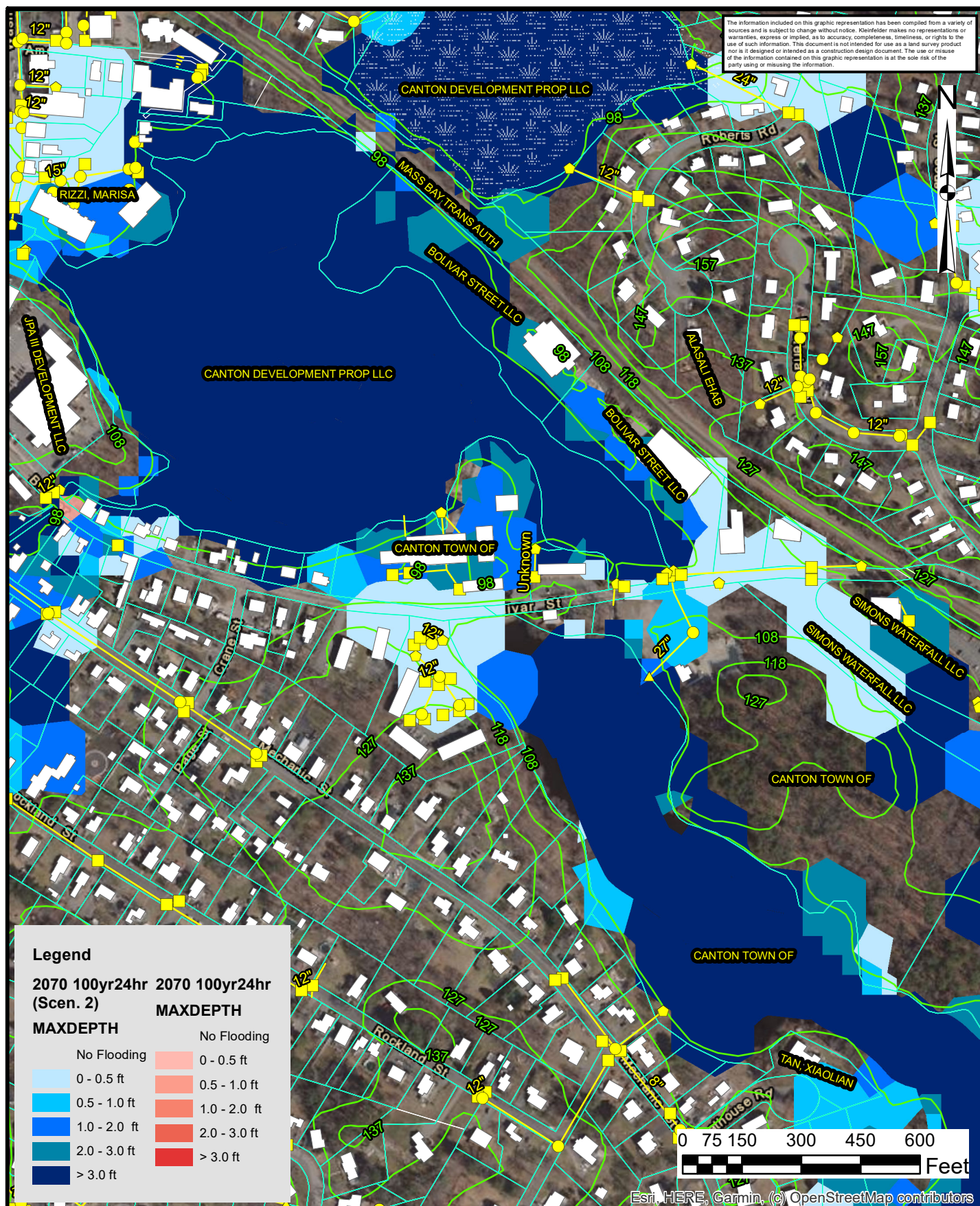
F_revJune2021_pre and post.mxd


**Washington St.
at Shepard Pond**

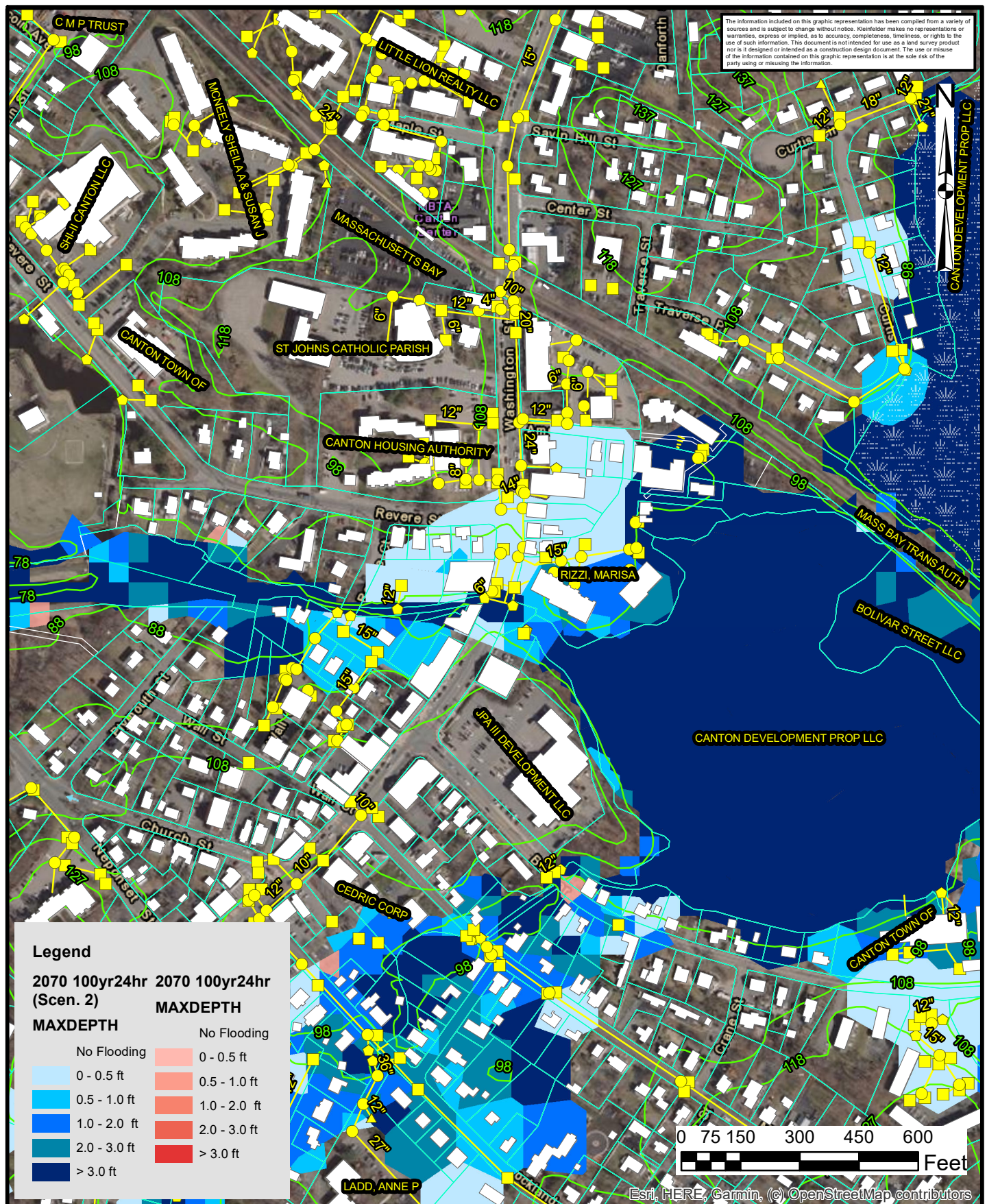
Town of Canton, MA
Municipal Vulnerability Preparedness FY20 Action Grant
Flooding - Areas of Interest

FIGURE

2b



 KLEINFELDER <i>Bright People. Right Solutions.</i> www.kleinfelder.com Field Maps_KLF_revJune2021_pre and post.mxd	PROJECT NO. 20203163.001A	Bolivar St. at Bolivar Pond	FIGURE 3a
	CREATED: 6/28/2021		
	CREATED BY: LHowe	Town of Canton, MA Municipal Vunerability Preparedness FY20 Action Grant Flooding - Areas of Interest	
	CHECKED BY: KJohnson		
	FILE NAME:		

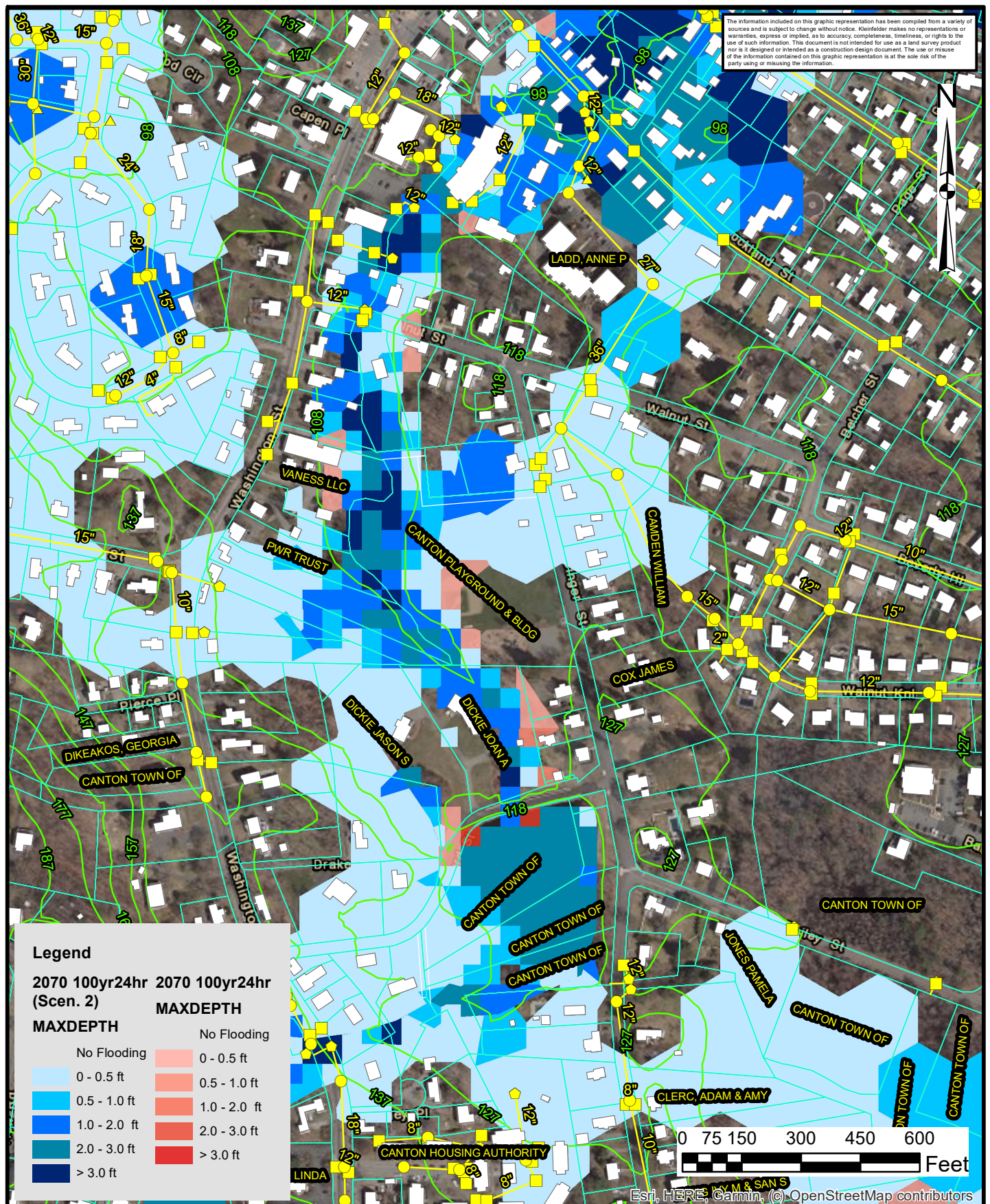


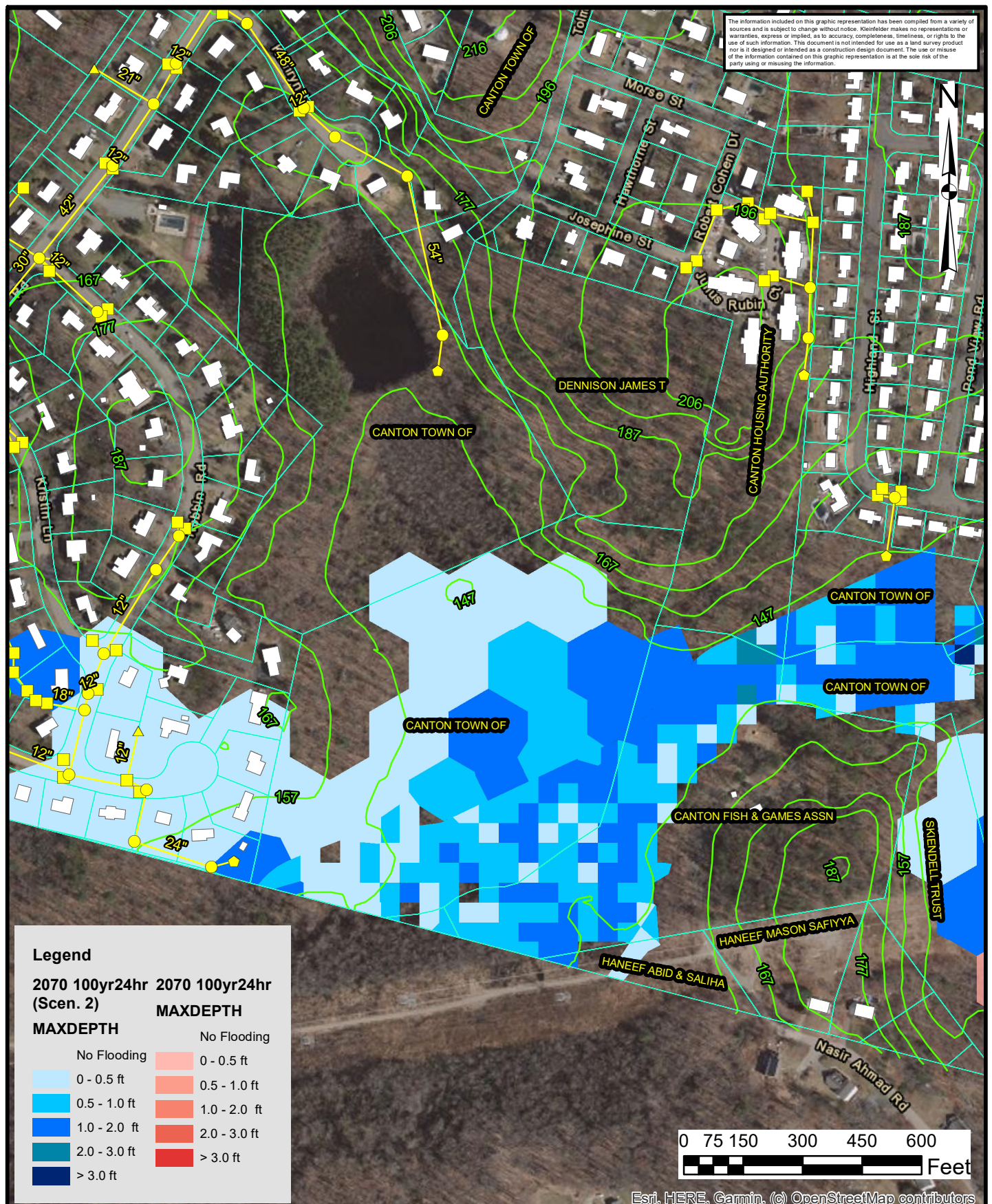
PROJECT NO. 20203163.001A
CREATED: 6/28/2021
CREATED BY: LHowe
CHECKED BY: KJohnson
FILE NAME: Field Maps_KLF_revJune2021_pre and post.mxd

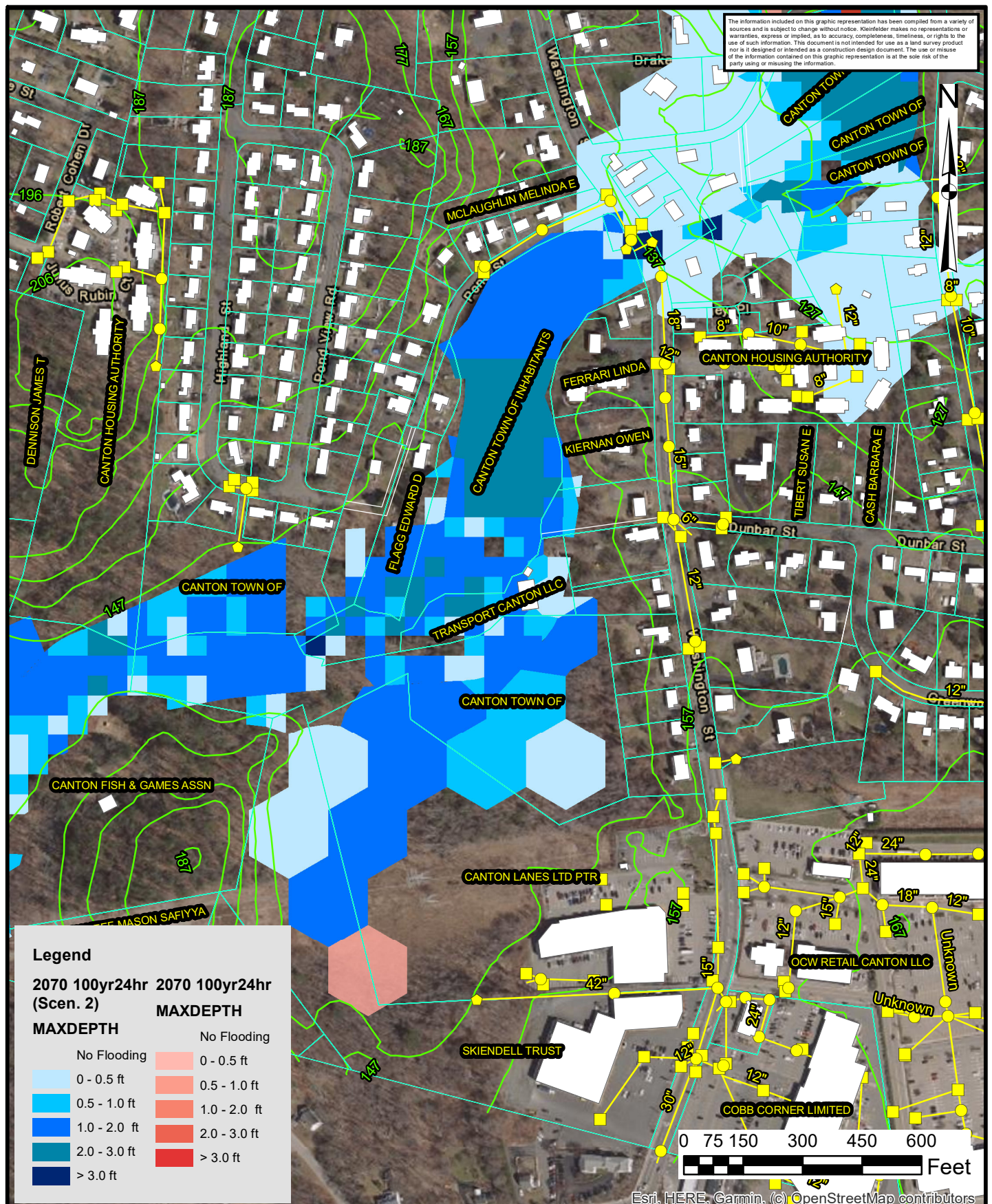
**Washington St.
at Forge Pond Dam**


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

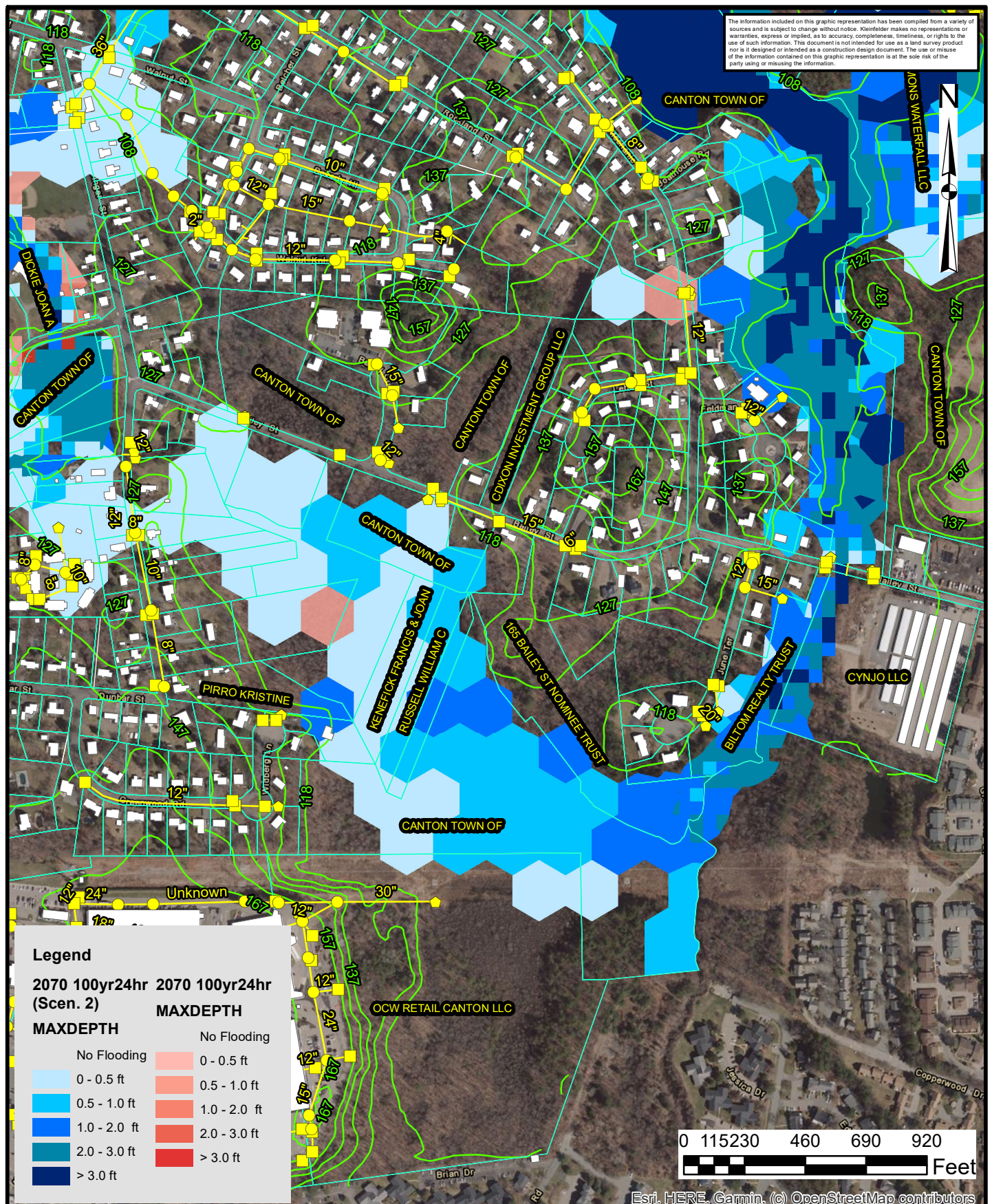
FIGURE
3b




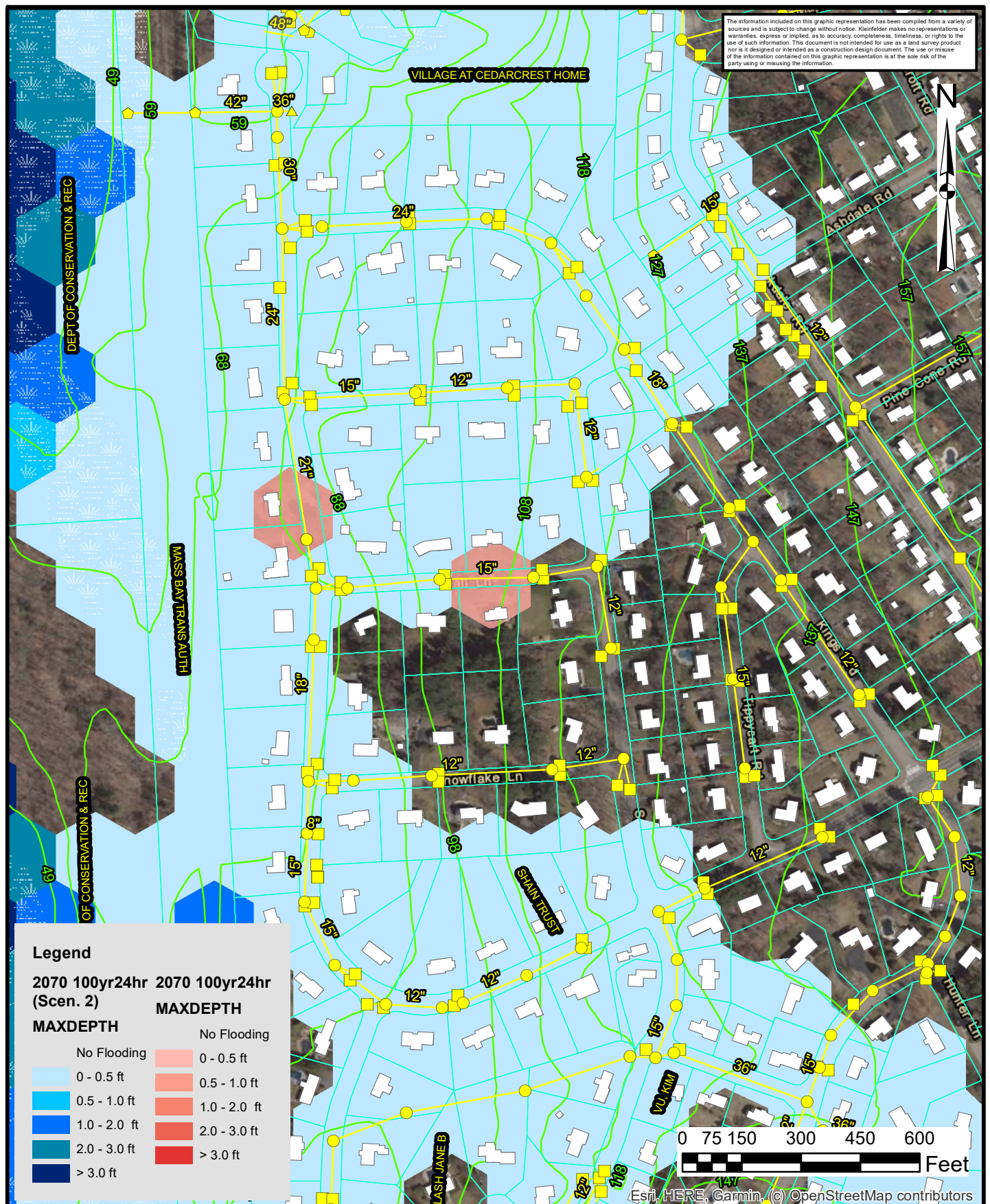




 <p>KLEINFELDER <i>Bright People. Right Solutions.</i></p> <p>www.kleinfelder.com Field Maps_KL</p>	PROJECT NO. 20203163.001A	Shepard Pond Massapoag Brook	FIGURE 5b
	CREATED: 6/28/2021		
	CREATED BY: LHowe	Town of Canton, MA Municipal Vulnerability Preparedness FY20 Action Grant Flooding - Areas of Interest	
	CHECKED BY: KJohnson		
	FILE NAME: F_revJune2021_pre and post.mxd		



 <p>KLEINFELDER <i>Bright People. Right Solutions.</i></p> <p>www.kleinfelder.com Field Maps_KL</p>	PROJECT NO. 20203163.001A	Bailey Ct. Conservation Area Massapoag Brook	FIGURE 5c
	CREATED: 6/28/2021		
	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		



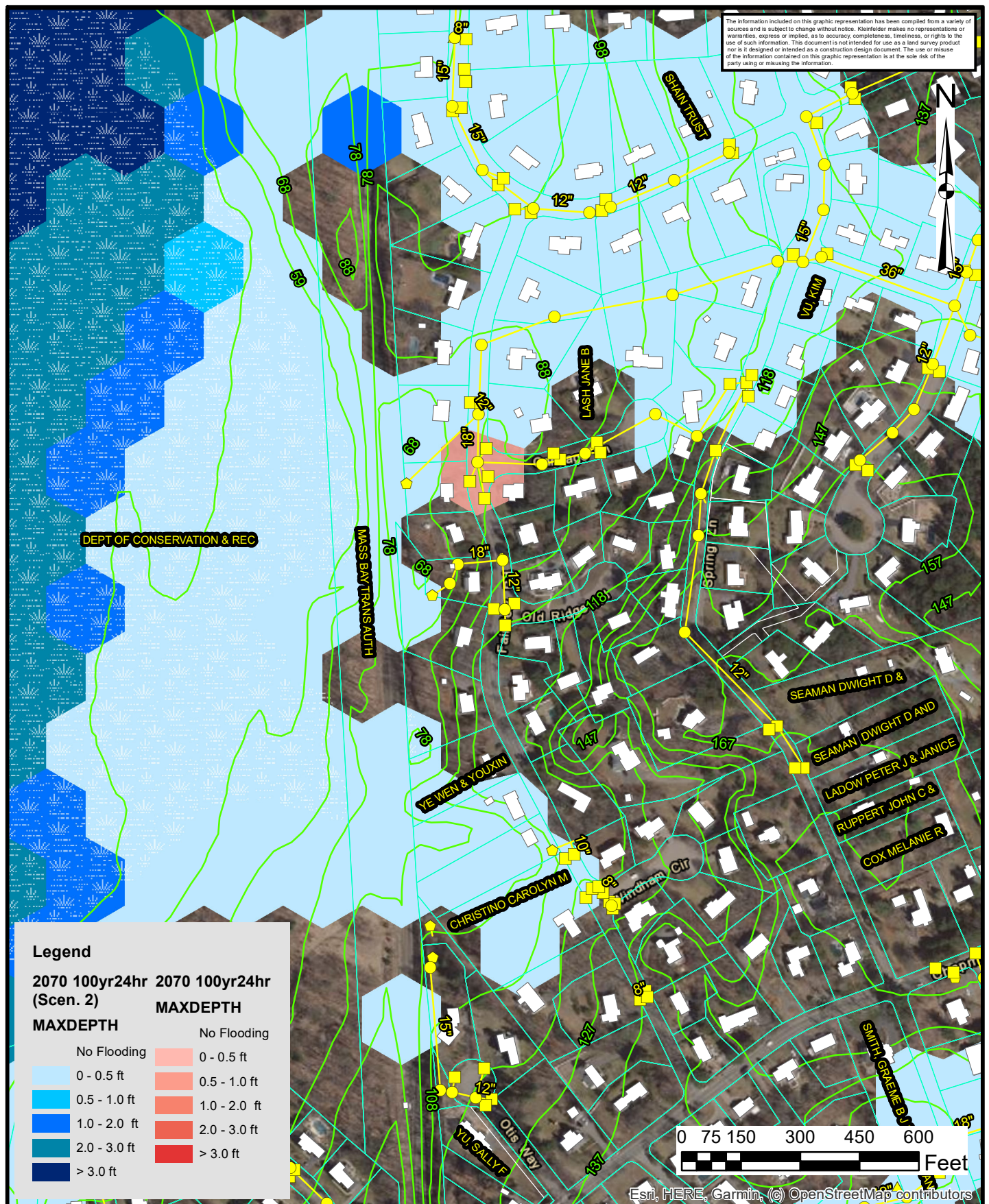
PROJECT NO. 20203163.001A
CREATED: 6/28/2021
CREATED BY: LHowe
CHECKED BY: KJohnson
FILE NAME: Field Maps_KLF_revJune2021_pre and post.mxd


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

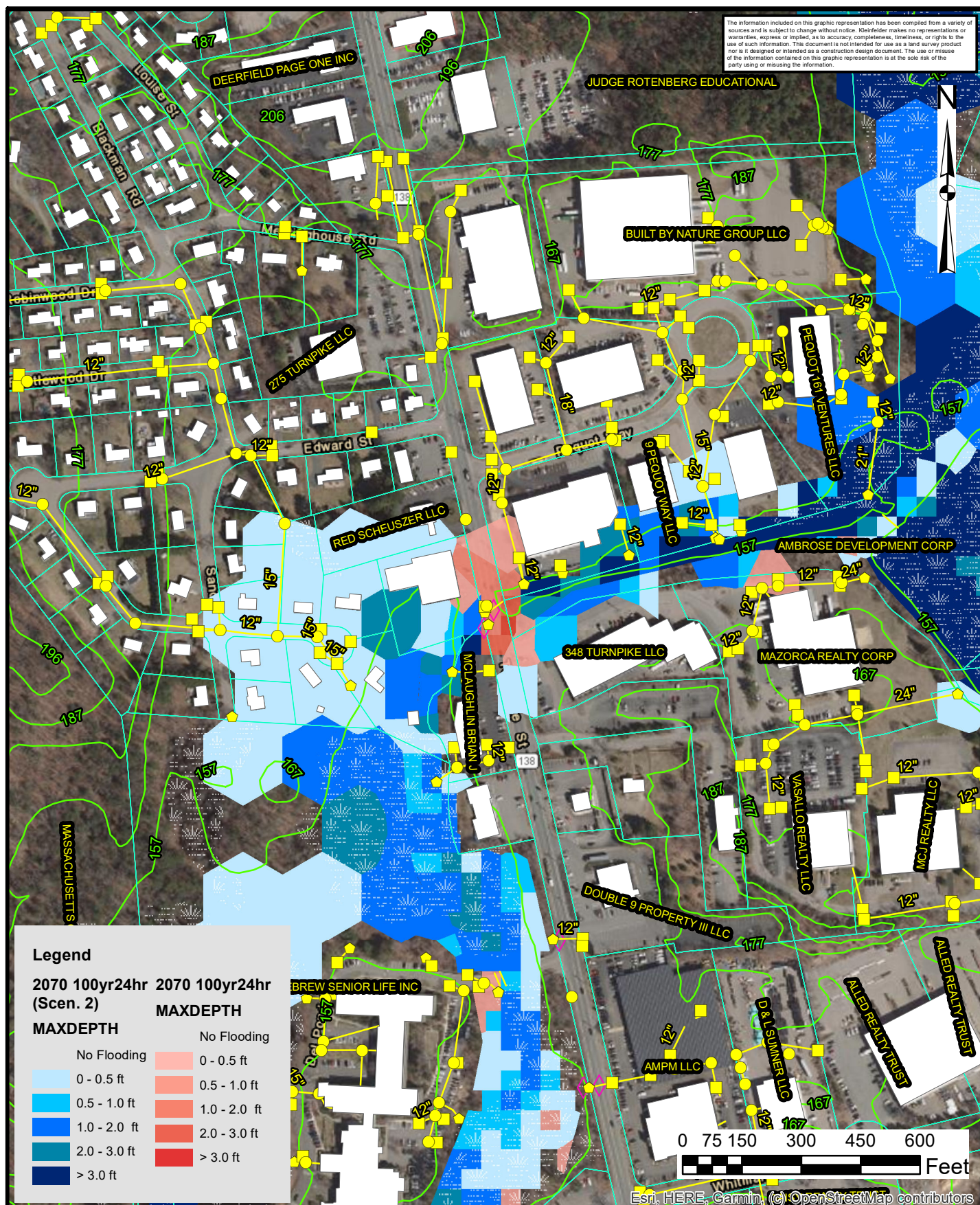
Town of Canton, MA
Municipal Vulnerability Preparedness FY20 Action Grant
Flooding - Areas of Interest


FIGURE

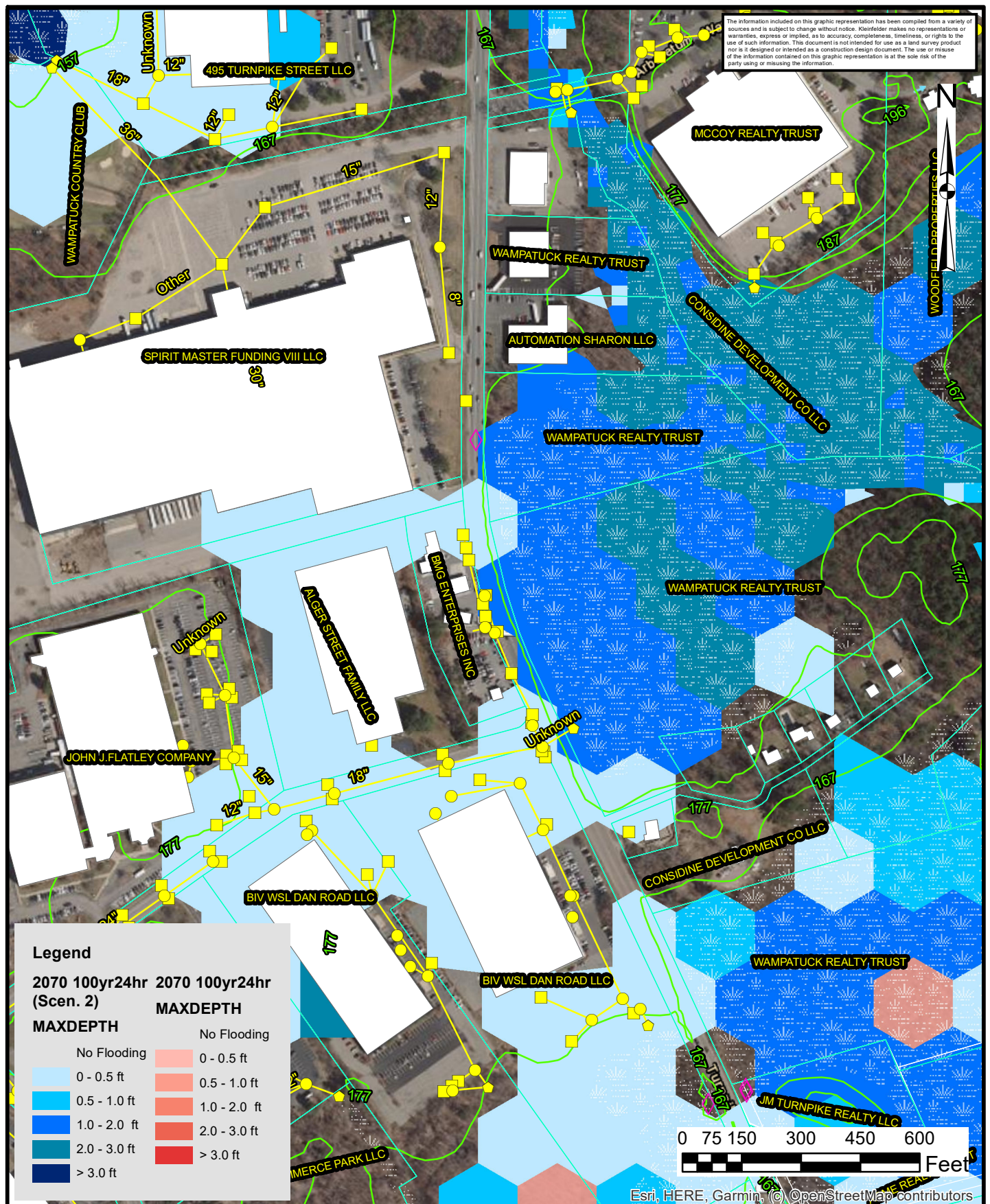
6a




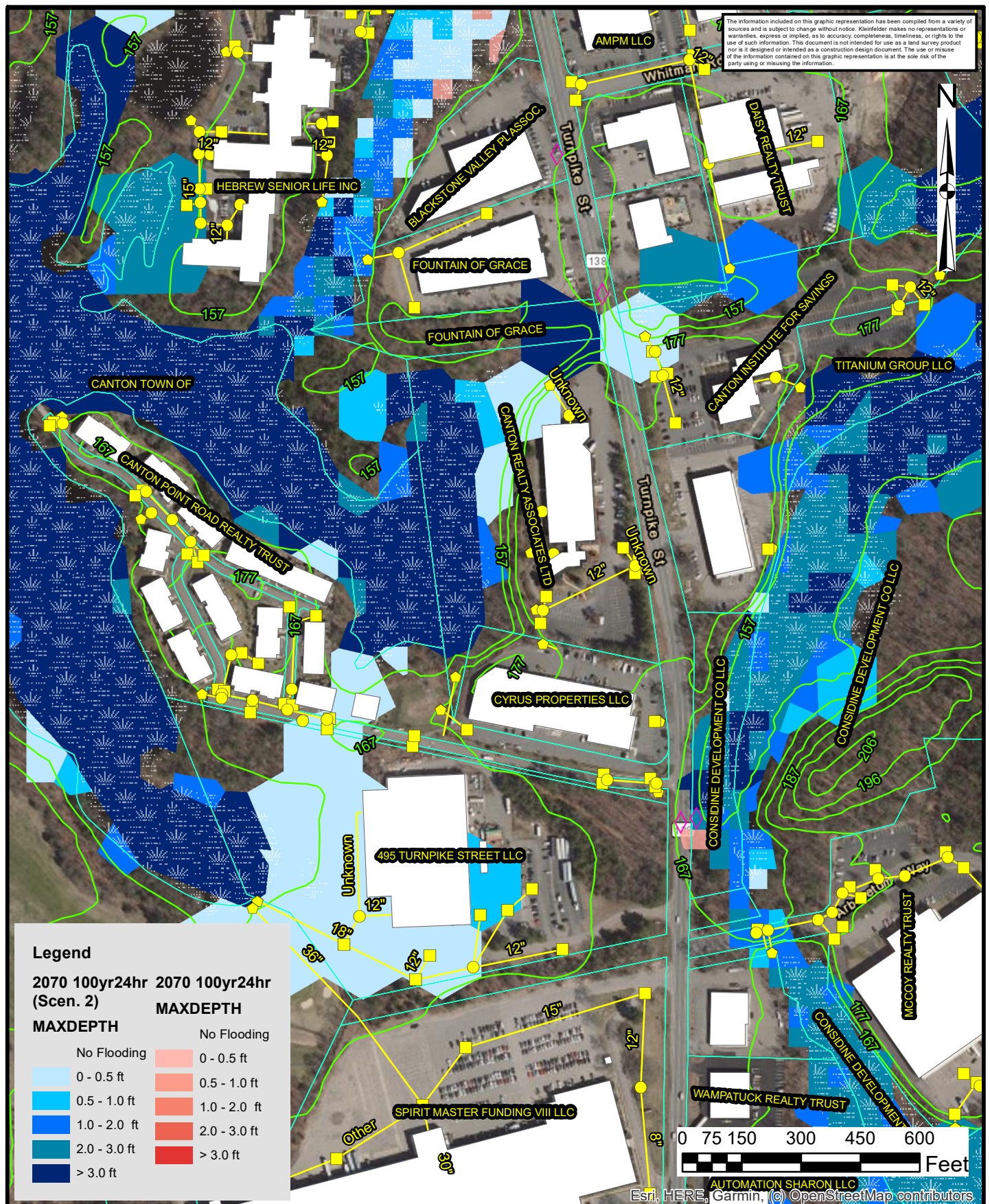
 <p>KLEINFELDER <i>Bright People. Right Solutions.</i></p> <p>www.kleinfelder.com Field Maps_KL</p>	PROJECT NO. 20203163.001A	Fairview Rd. West of JFK School	FIGURE 6b
	CREATED: 6/28/2021		
	CREATED BY: LHowe	Town of Canton, MA Municipal Vulnerability Preparedness FY20 Action Grant Flooding - Areas of Interest	
	CHECKED BY: KJohnson		
	FILE NAME: F_revJune2021_pre and post.mxd		

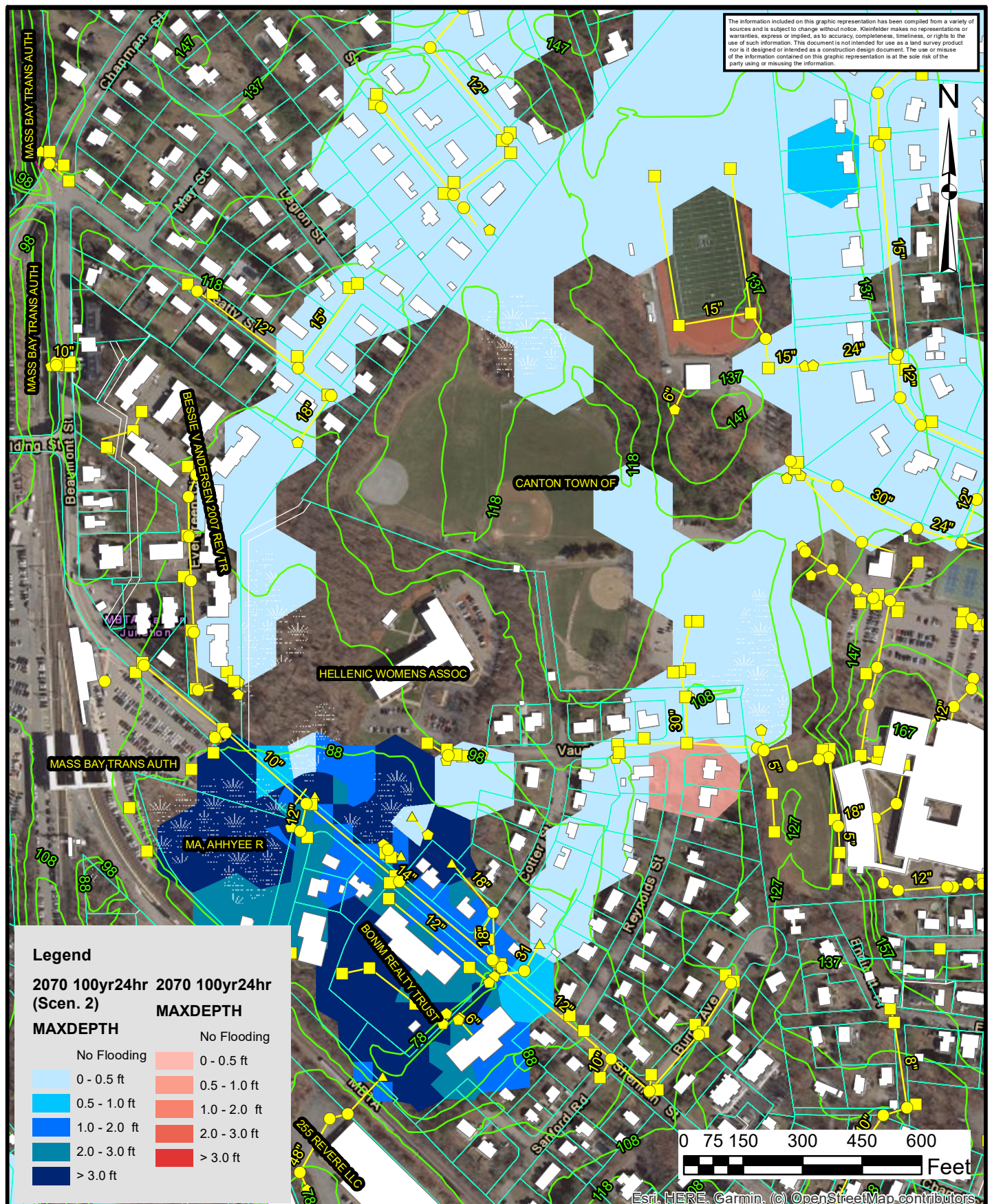



 KLEINFELDER <i>Bright People. Right Solutions.</i> www.kleinfelder.com Field Maps_KLF_revJune2021_pre and post.mxd	PROJECT NO. 20203163.001A	Rte 138 / Del Pond Dr. Pequit Brook	FIGURE 7
	CREATED: 6/28/2021		
	CREATED BY: LHowe	Town of Canton, MA Municipal Vunerability Preparedness FY20 Action Grant Flooding - Areas of Interest	
	CHECKED BY: KJohnson		
	FILE NAME:		

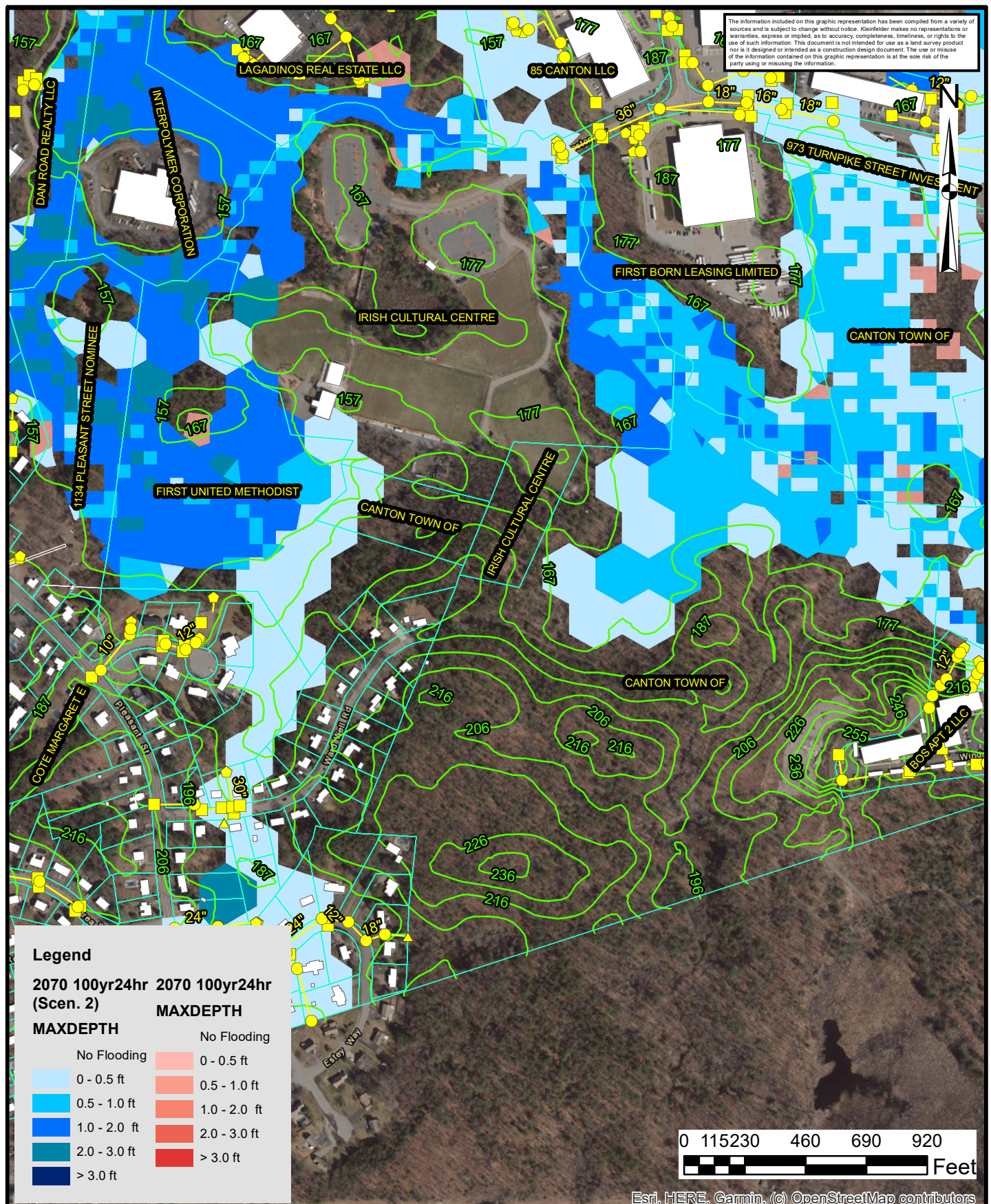



 KLEINFELDER <i>Bright People. Right Solutions.</i> www.kleinfelder.com Field Maps_KL	PROJECT NO. 20203163.001A	Rte 138 / Dan Rd. York Brook	FIGURE 8
	CREATED: 6/28/2021		
	CREATED BY: LHowe	Town of Canton, MA Municipal Vulnerability Preparedness FY20 Action Grant Flooding - Areas of Interest	
	CHECKED BY: KJohnson		
	FILE NAME: F_revJune2021_pre and post.mxd		

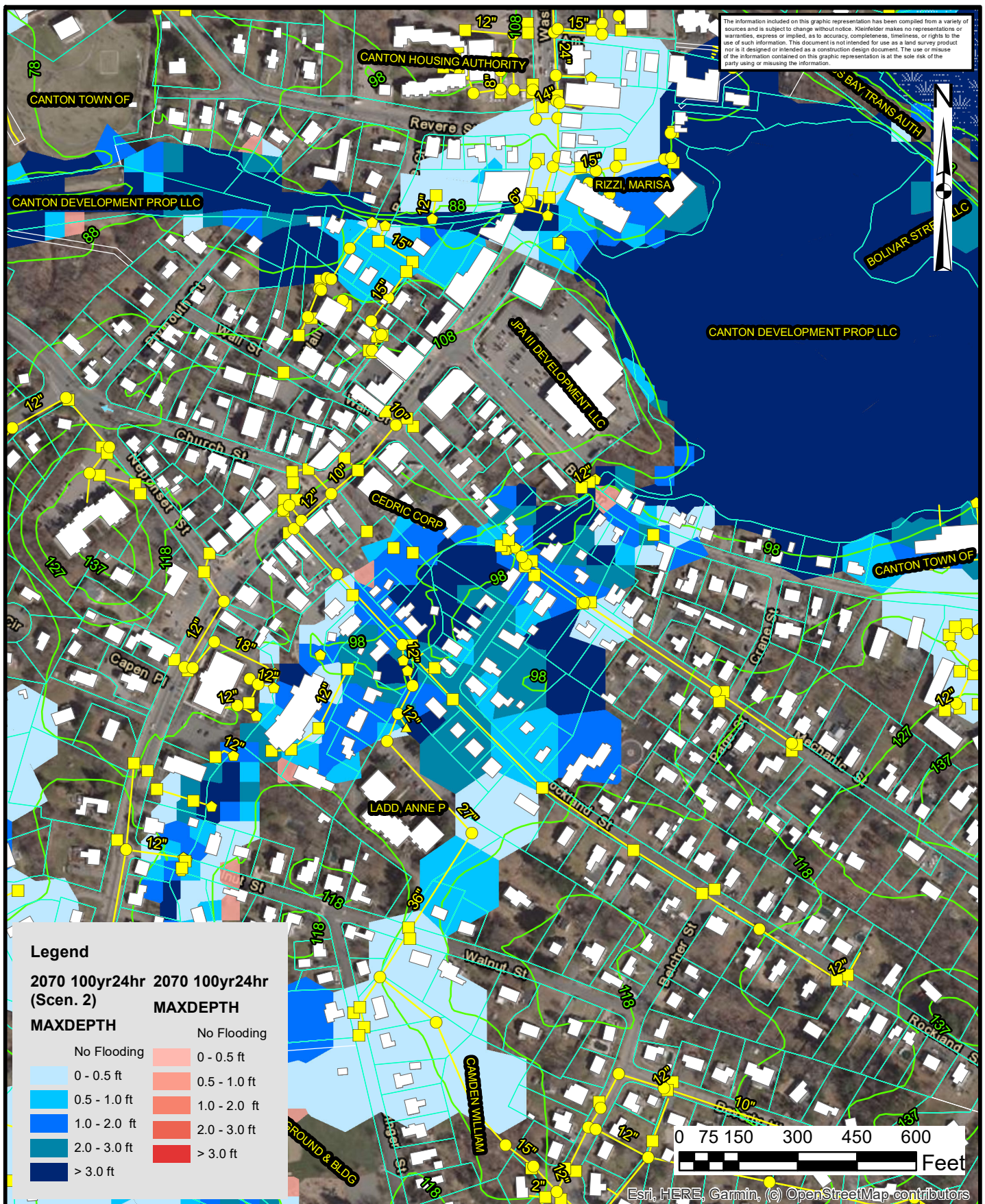




 <p>KLEINFELDER <i>Bright People. Right Solutions.</i></p> <p>www.kleinfelder.com Field Maps_KL</p>	PROJECT NO. 20203163.001A	Sherman St. south of Memorial Field	FIGURE 10
	CREATED: 6/28/2021		
	CREATED BY: LHowe	Town of Canton, MA Municipal Vulnerability Preparedness FY20 Action Grant Flooding - Areas of Interest	
	CHECKED BY: KJohnson		
	FILE NAME: F_revJune2021_pre and post.mxd		



 <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	Town Conservation Land Along Red Wing Brook	FIGURE 11
	CREATED: 6/28/2021		
	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: 6/28/2021
 CREATED BY: LHowe
 CHECKED BY: KJohnson
 FILE NAME: Field Maps_KLF_revJune2021_pre and post.mxd

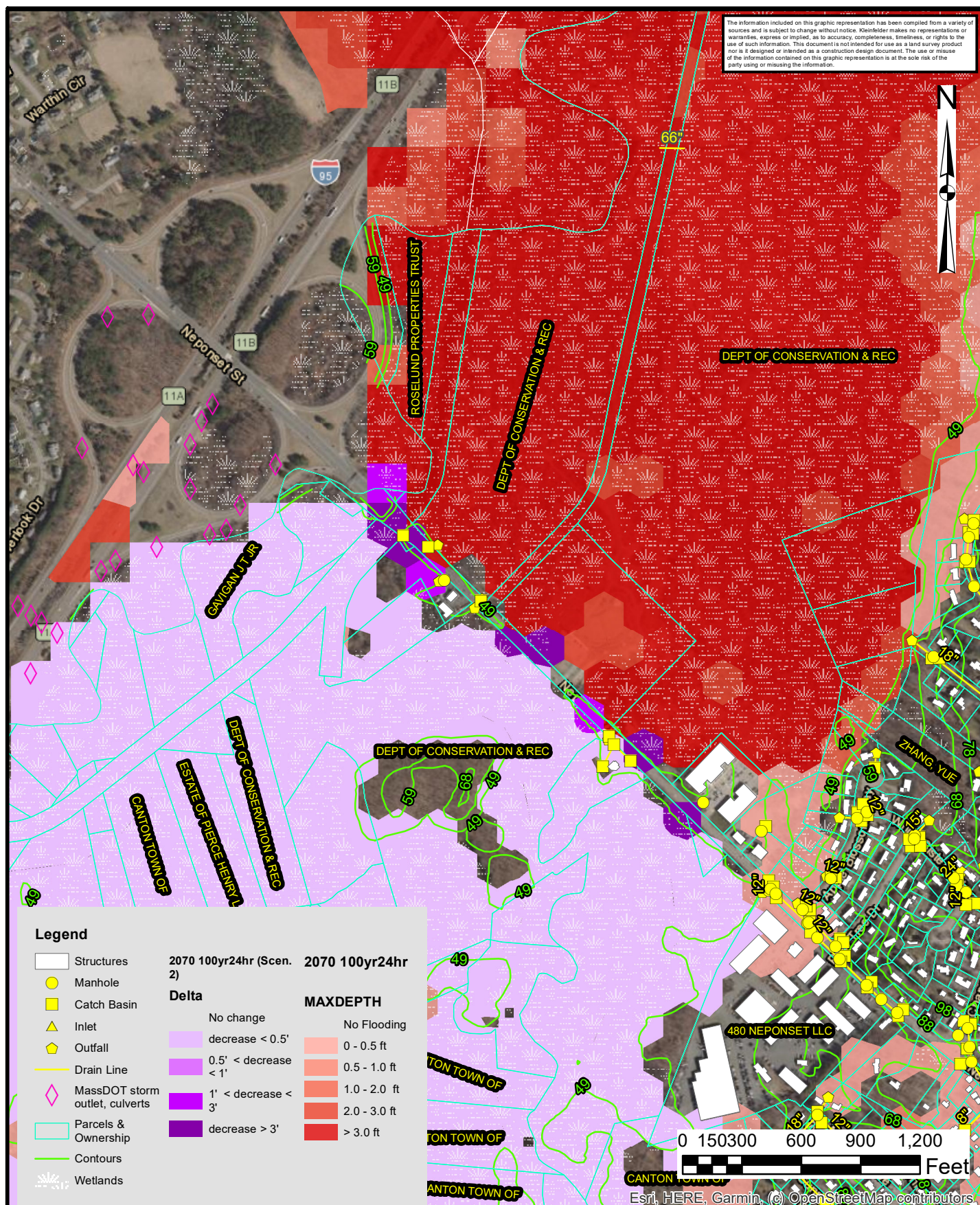
**Bolivar St., Rockland St., and Howard St.
 Massapoag Brook**

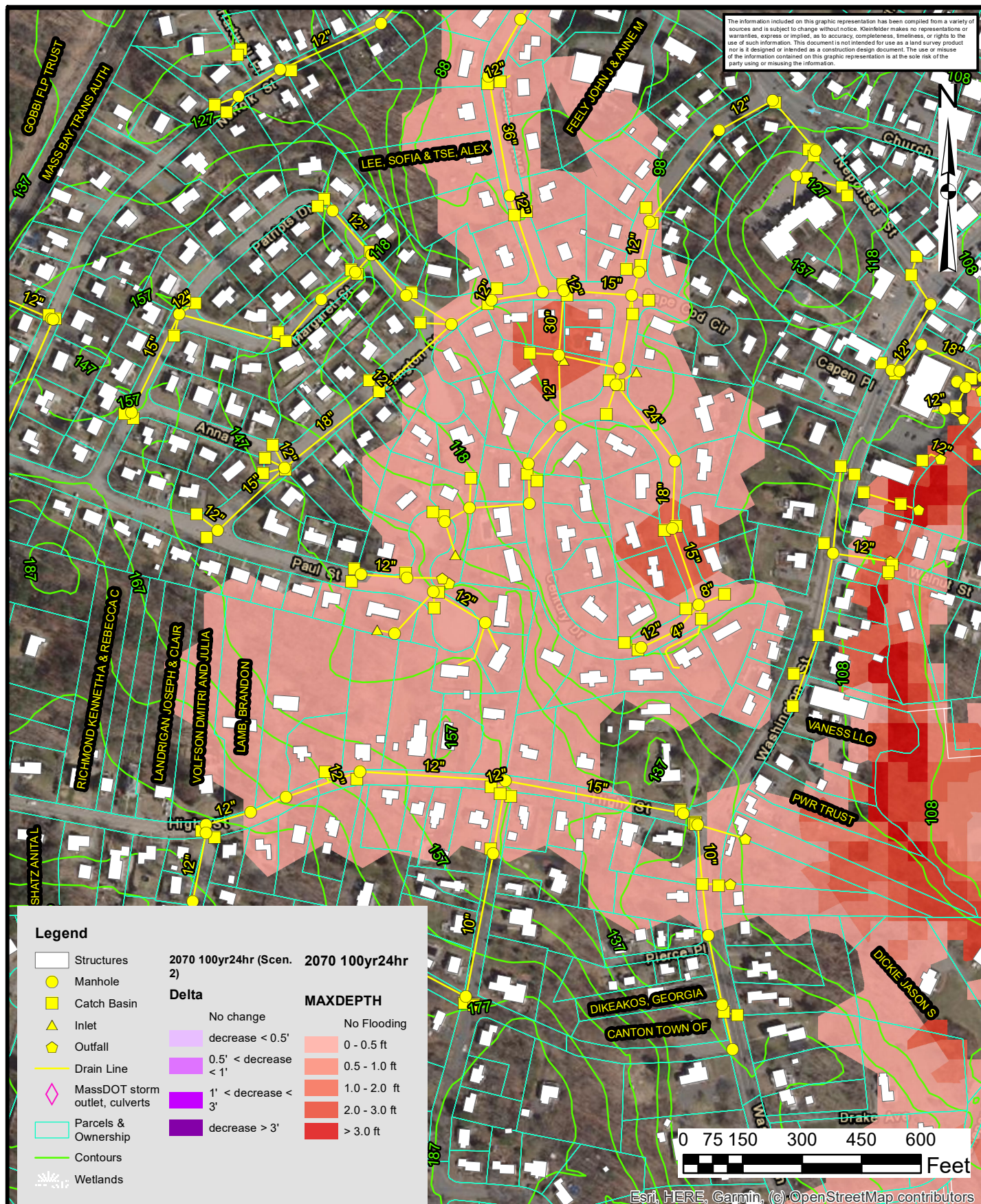
Town of Canton, MA
 Municipal Vulnerability Preparedness FY20 Action Grant
 Flooding - Areas of Interest


FIGURE
12

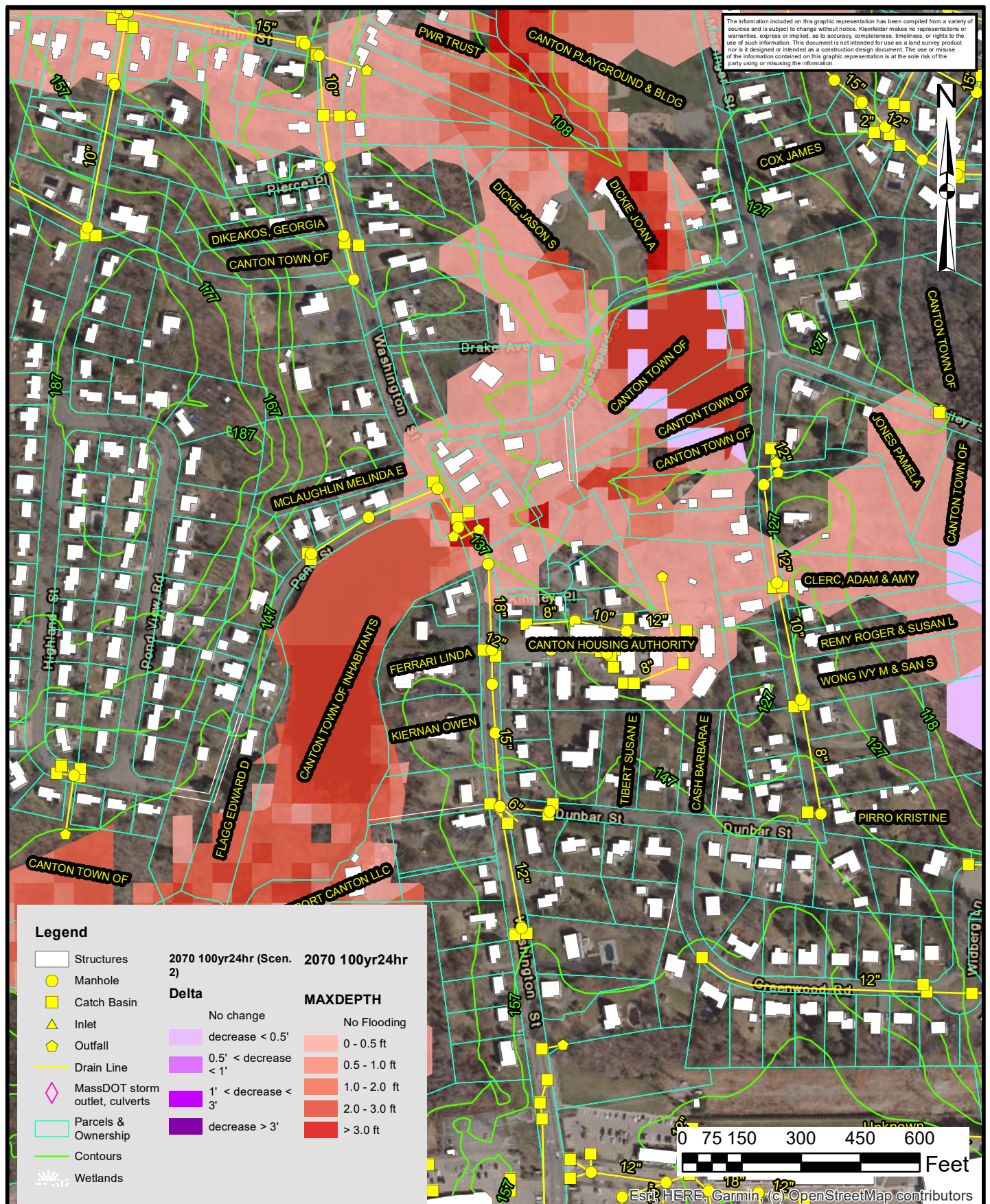
Mitigation Scenario #2

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





 <p>KLEINFELDER Bright People. Right Solutions. www.kleinfielder.com Field Maps_KLF_revJune2021_pre and post.mxd</p>	PROJECT NO. 20203163.001A	Washington St. & High St.	FIGURE
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	CHECKED BY: KJohnson		
	FILE NAME: Field Maps_KLF_revJune2021_pre and post.mxd		
		Town of Canton, MA Municipal Vulnerability Preparedness FY20 Action Grant Flooding - Areas of Interest	2a

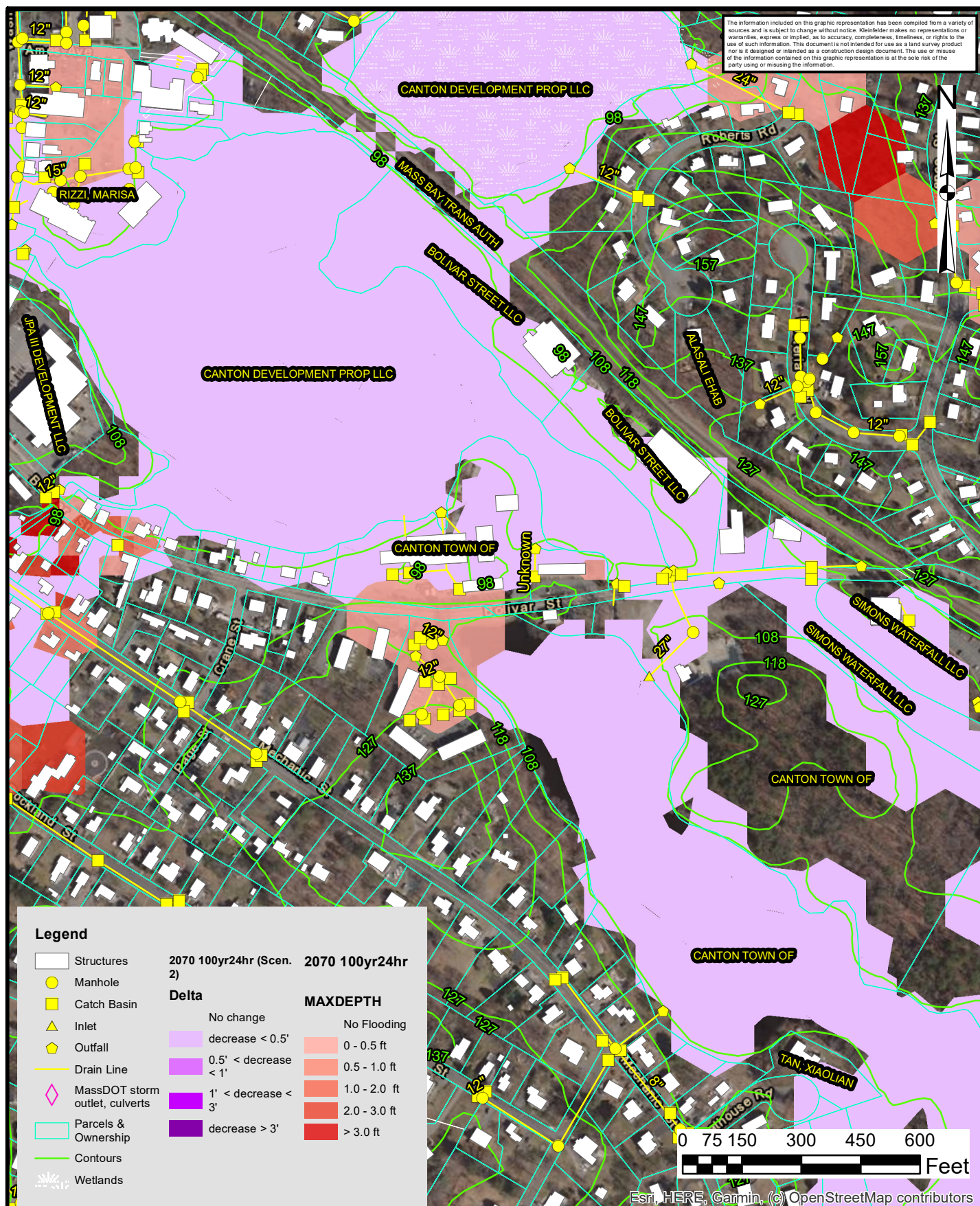



PROJECT NO. 20203163.001A
CREATED: 6/21/2021
CREATED BY: LHowe
CHECKED BY: KJohnson
FILE NAME: Field Maps_KLF_revJune2021_pre and post.mxd

**Washington St.
at Shepard Pond**


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

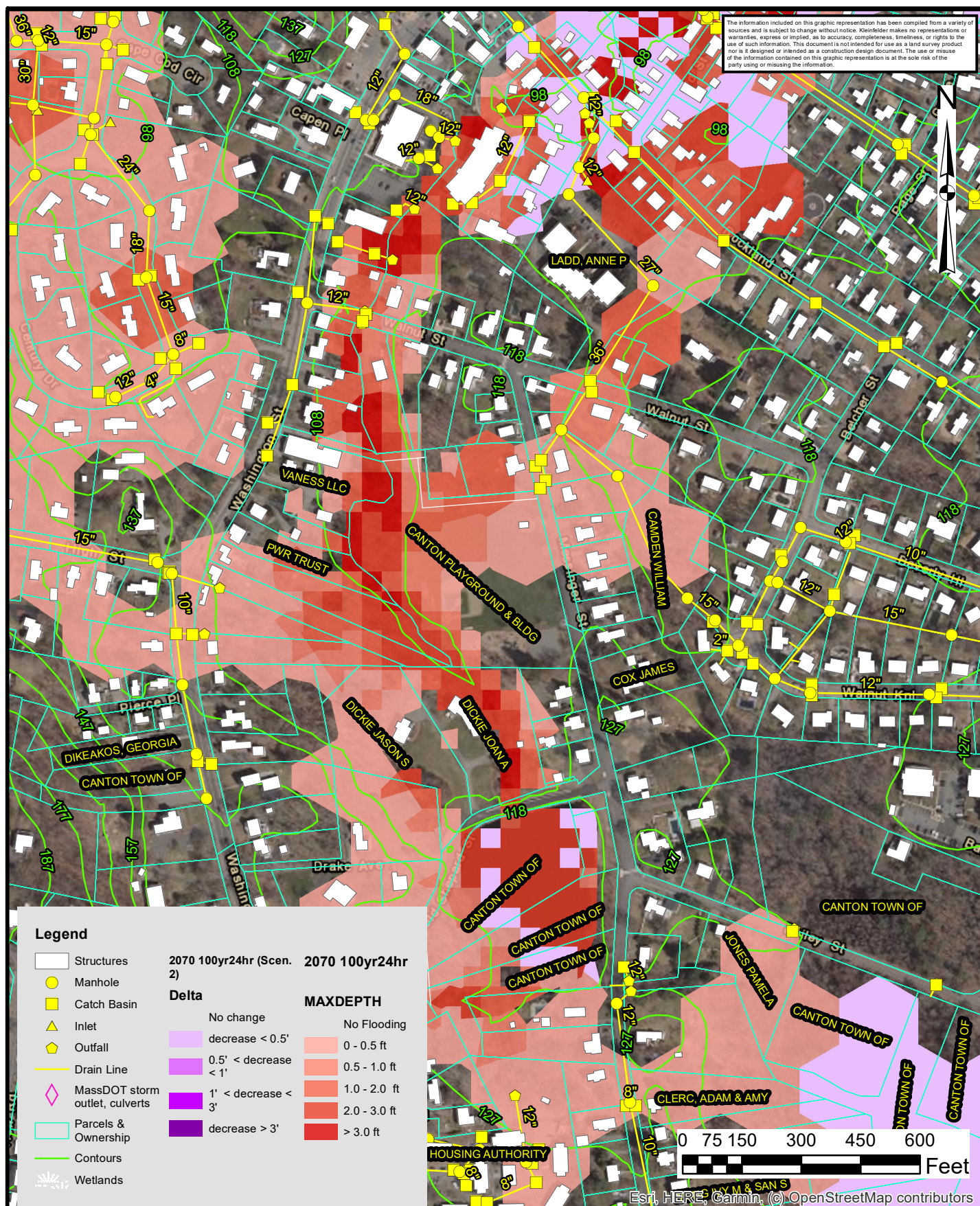
FIGURE
2b




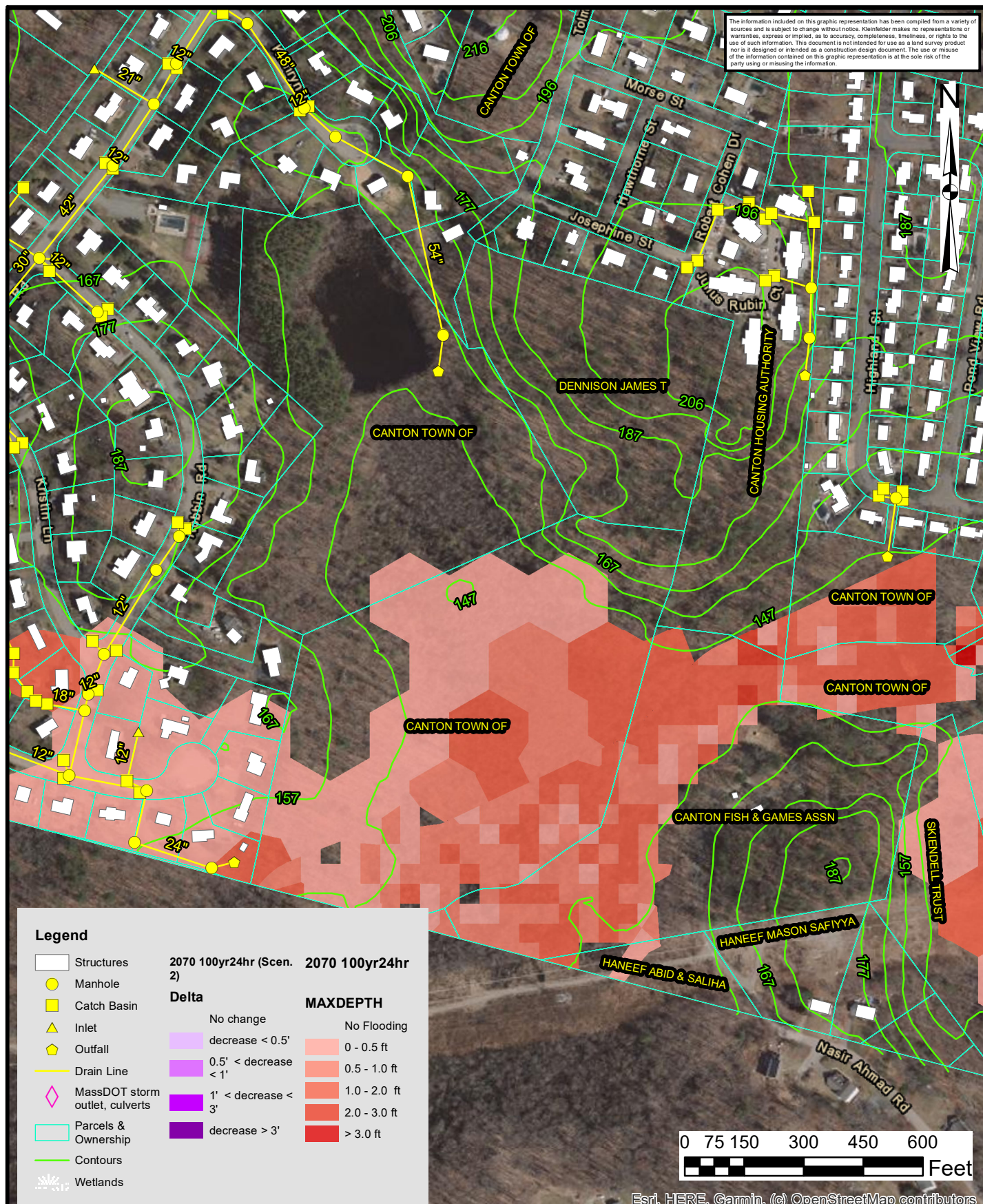
 KLEINFELDER <i>Bright People. Right Solutions.</i> www.kleinfielder.com Field Maps_KLF_revJune2021_pre and post.mxd	PROJECT NO. 20203163.001A	Bolivar St. at Bolivar Pond	FIGURE 3a
	CREATED: 6/21/2021		
	CREATED BY: LHowe	Town of Canton, MA Municipal Vulnerability Preparedness FY20 Action Grant Flooding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




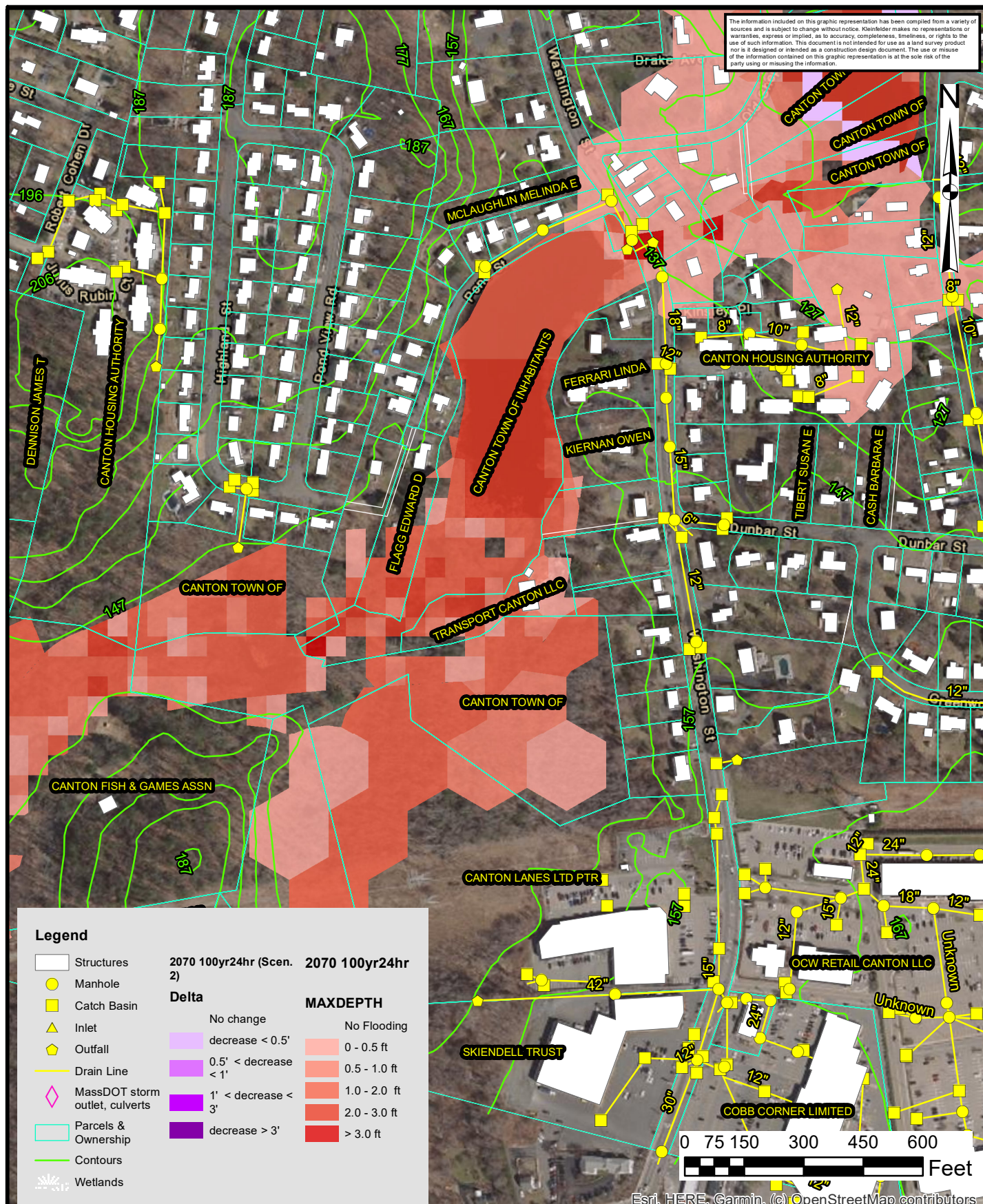
 KLEINFELDER <i>Bright People. Right Solutions.</i> www.kleinfielder.com Field Maps_KLF_revJune2021_pre and post.mxd	PROJECT NO. 20203163.001A	Washington St. at Forge Pond Dam	FIGURE 3b
	CREATED: 6/21/2021		
	CREATED BY: LHowe	Town of Canton, MA Municipal Vulnerability Preparedness FY20 Action Grant Flooding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

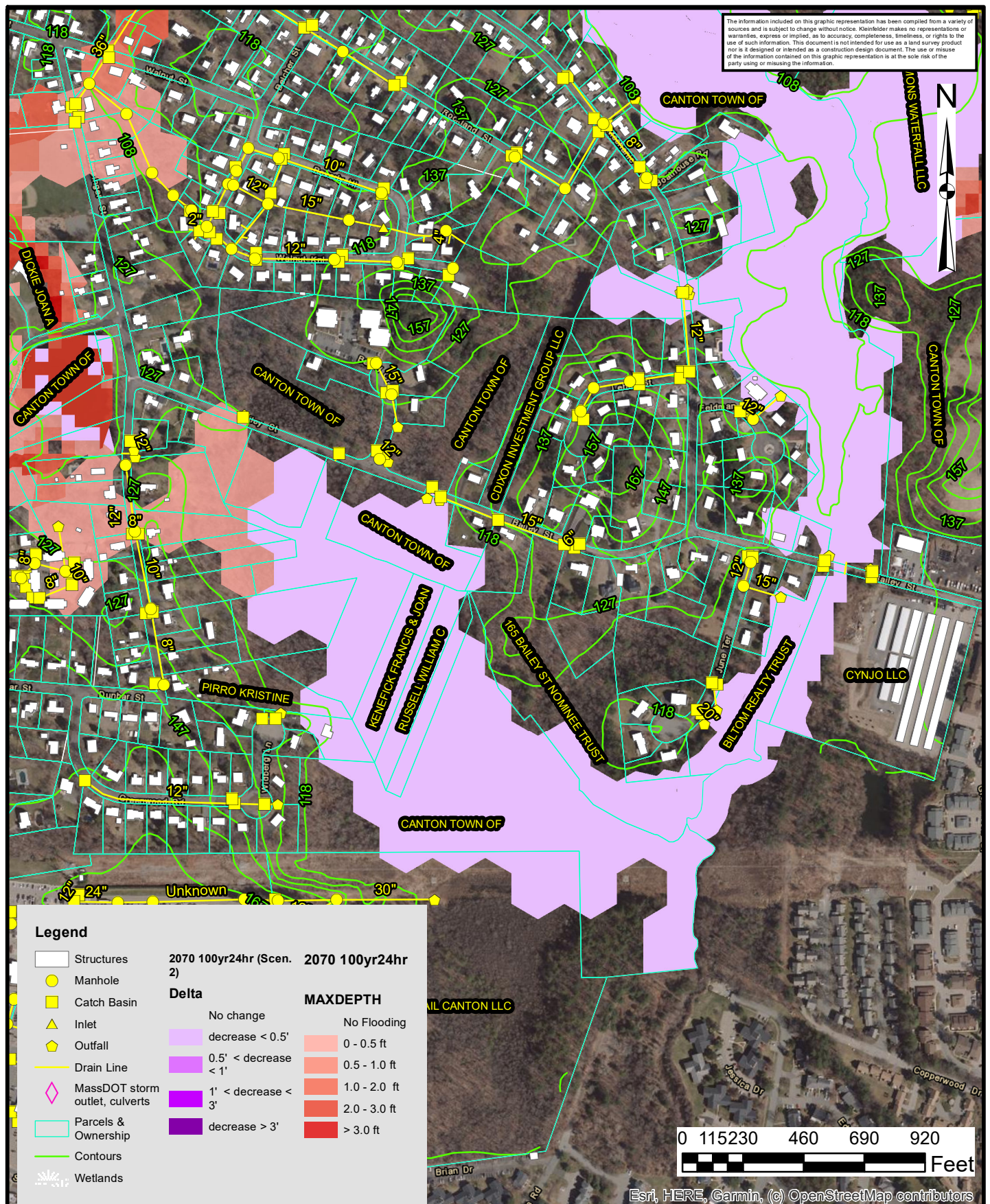


 KLEINFELDER <i>Bright People. Right Solutions.</i> www.kleinfielder.com Field Maps_KLF_revJune2021_pre and post.mxd	PROJECT NO. 20203163.001A	Messinger Park Massapoag Brook	FIGURE 4
	CREATED: 6/21/2021		
	CREATED BY: LHowe	Town of Canton, MA Municipal Vulnerability Preparedness FY20 Action Grant Flooding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



 KLEINFELDER <i>Bright People. Right Solutions.</i> www.kleinfielder.com Field Maps_KLF_revJune2021_pre and post.mxd	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:		



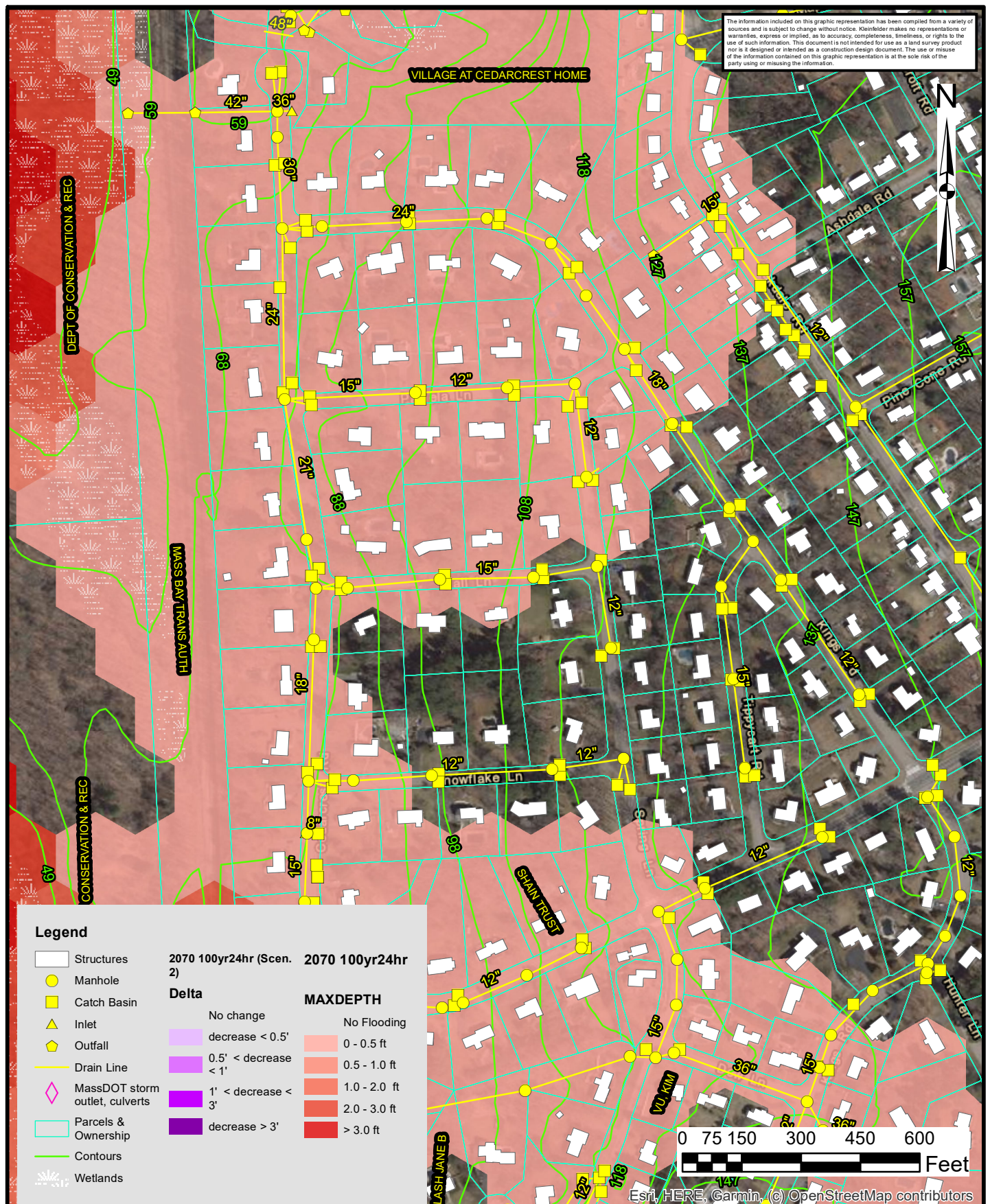



PROJECT NO. 20203163.001A
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CREATED BY: LHowe
CHECKED BY: KJohnson
FILE NAME: Field Maps_KLF_revJune2021_pre and post.mxd

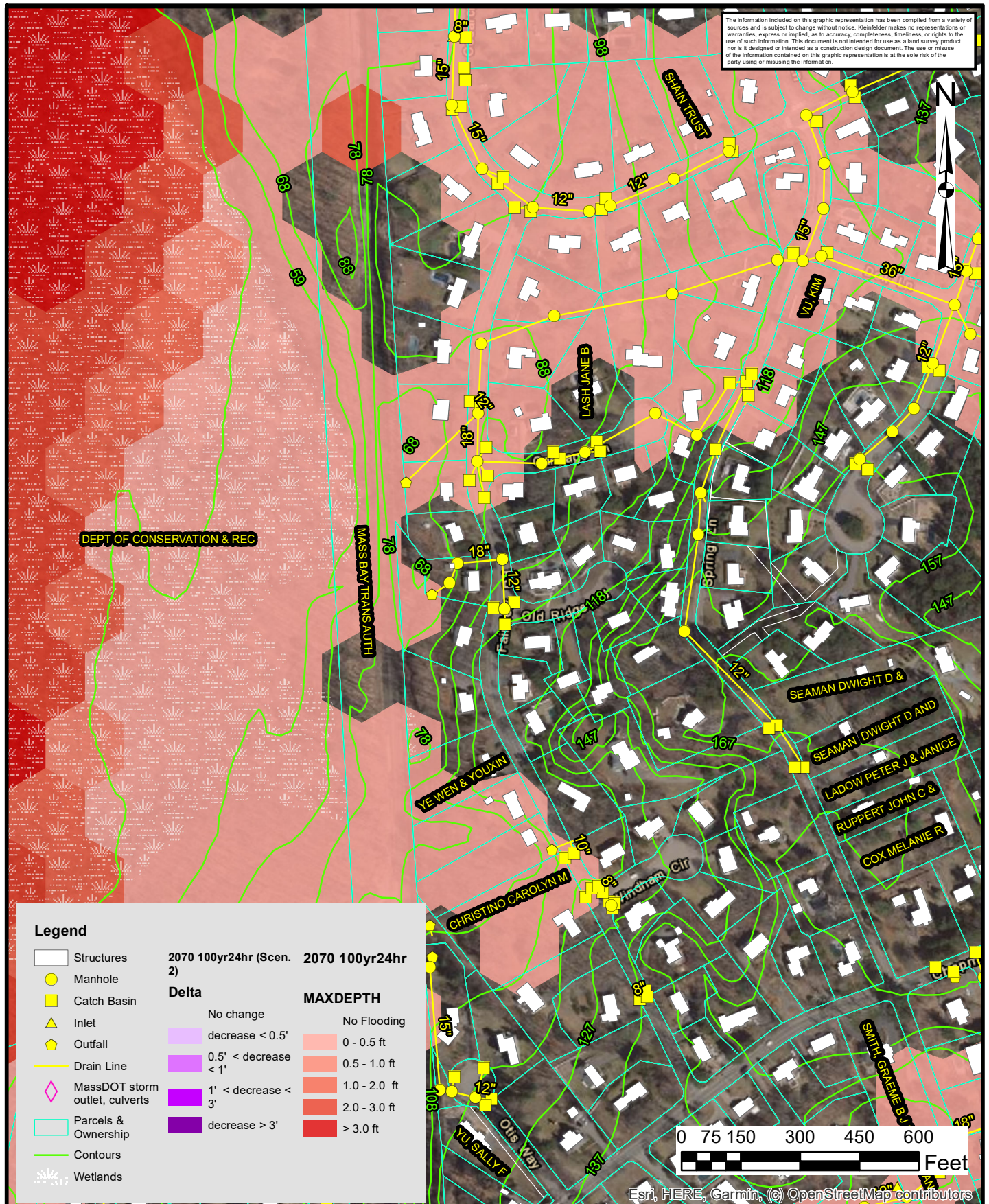
**Bailey Ct. Conservation Area
Massapoag Brook**

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

FIGURE
5c



 KLEINFELDER <i>Bright People. Right Solutions.</i> www.kleinfielder.com Field Maps_KL	PROJECT NO. 20203163.001A	Cedarcrest and Kings Rd. West of JFK School	FIGURE 6a
	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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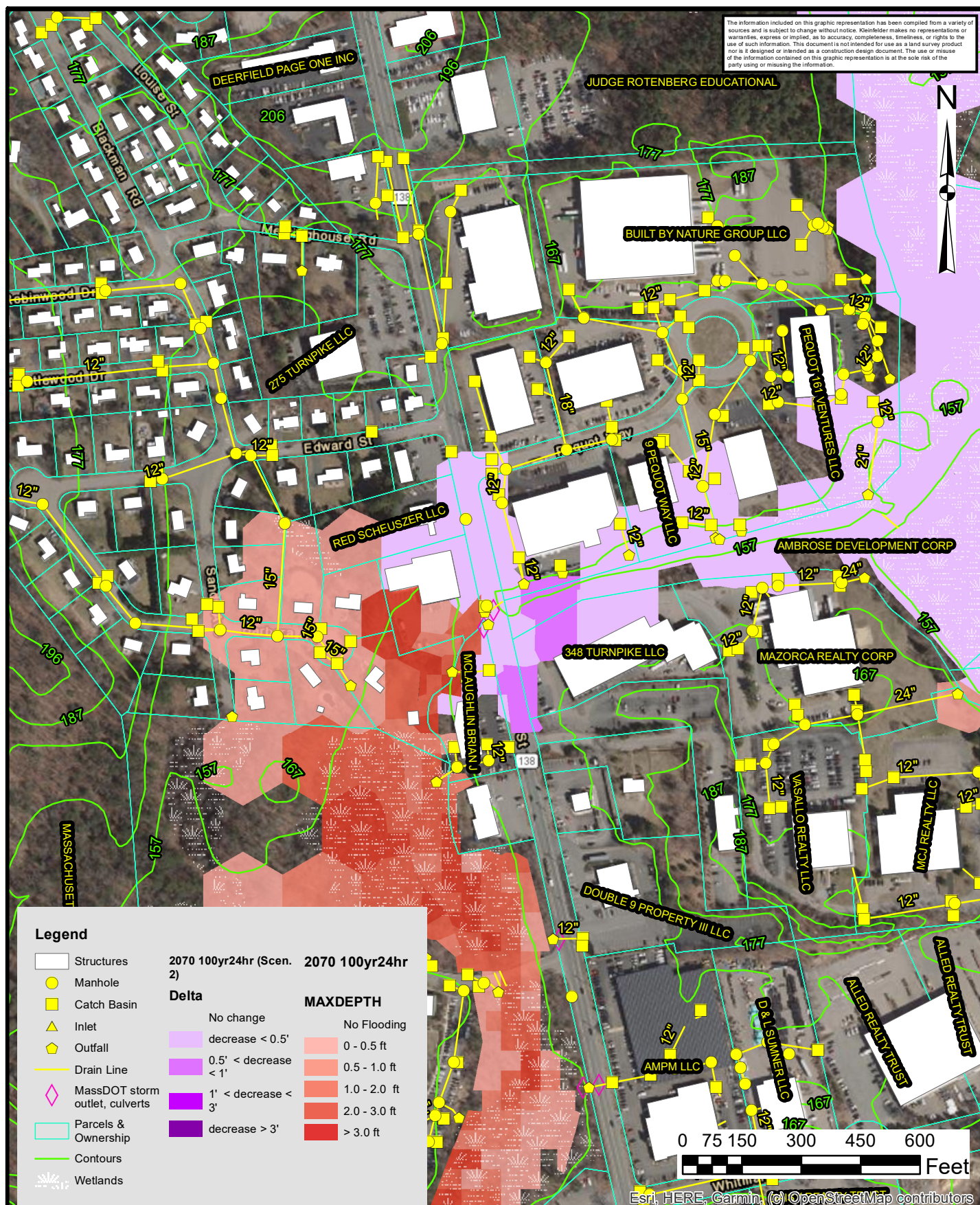



PROJECT NO. 20203163.001A
CREATED: 6/21/2021
CREATED BY: LHowe
CHECKED BY: KJohnson
FILE NAME: Field Maps_KLF_revJune2021_pre and post.mxd

**Fairview Rd.
West of JFK School**

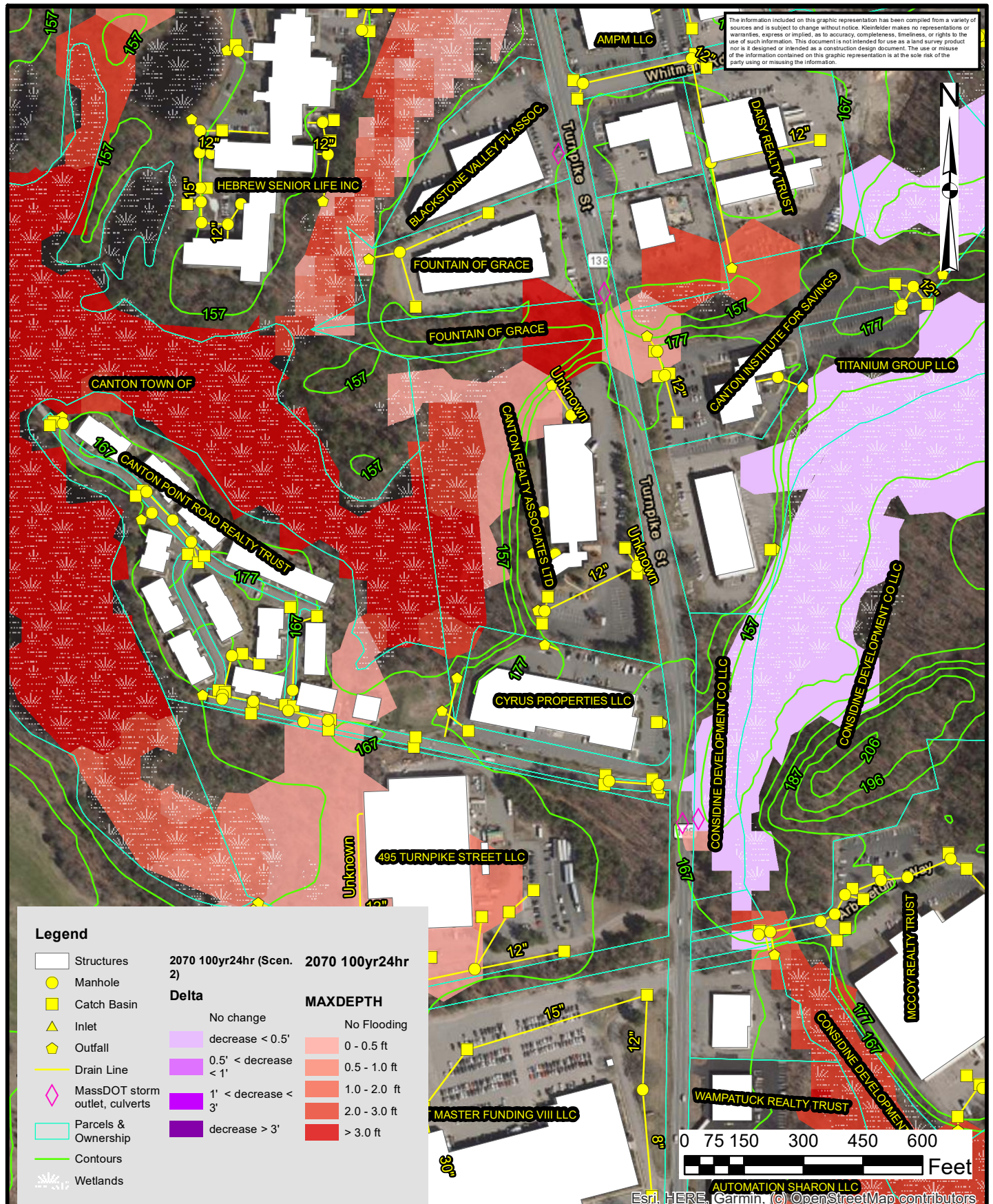
Town of Canton, MA
Municipal Vulnerability Preparedness FY20 Action Grant
Flooding - Areas of Interest

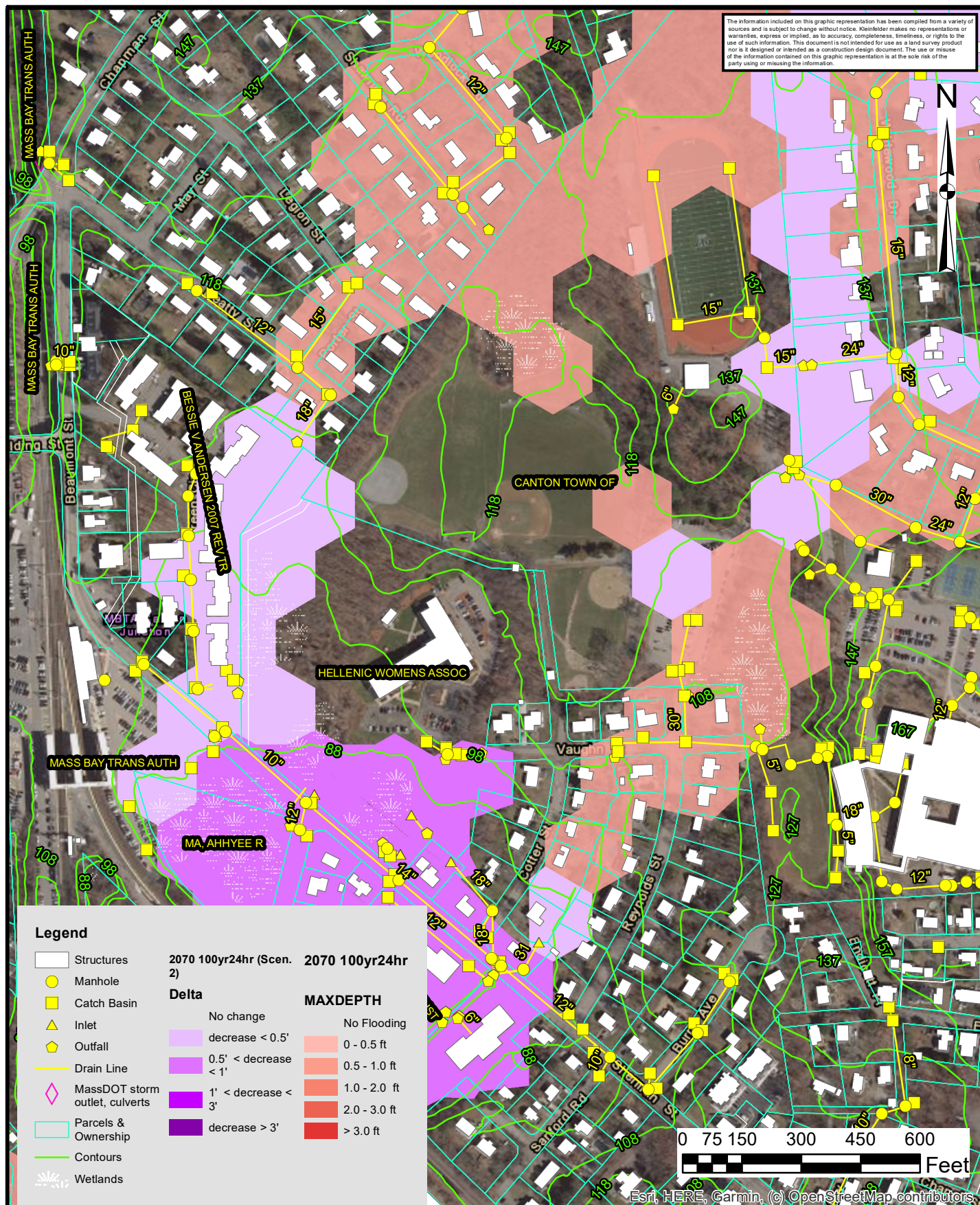
FIGURE
6b




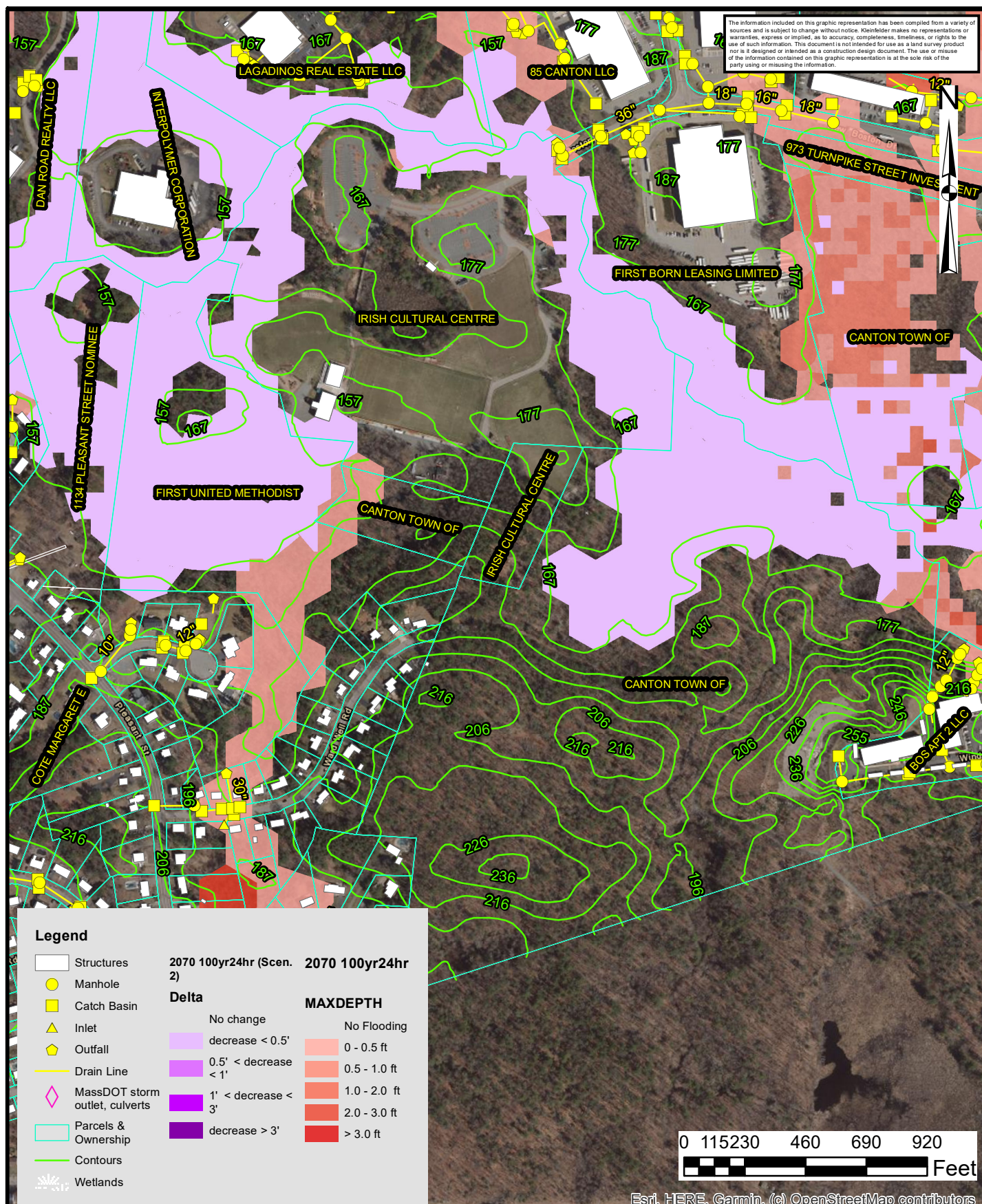
 KLEINFELDER <i>Bright People. Right Solutions.</i> www.kleinfielder.com Field Maps_KLF_revJune2021_pre and post.mxd	PROJECT NO. 20203163.001A	Rte 138 / Del Pond Dr. Pequit Brook	FIGURE 7
	CREATED: 6/21/2021		
	CREATED BY: LHowe	Town of Canton, MA Municipal Vulnerability Preparedness FY20 Action Grant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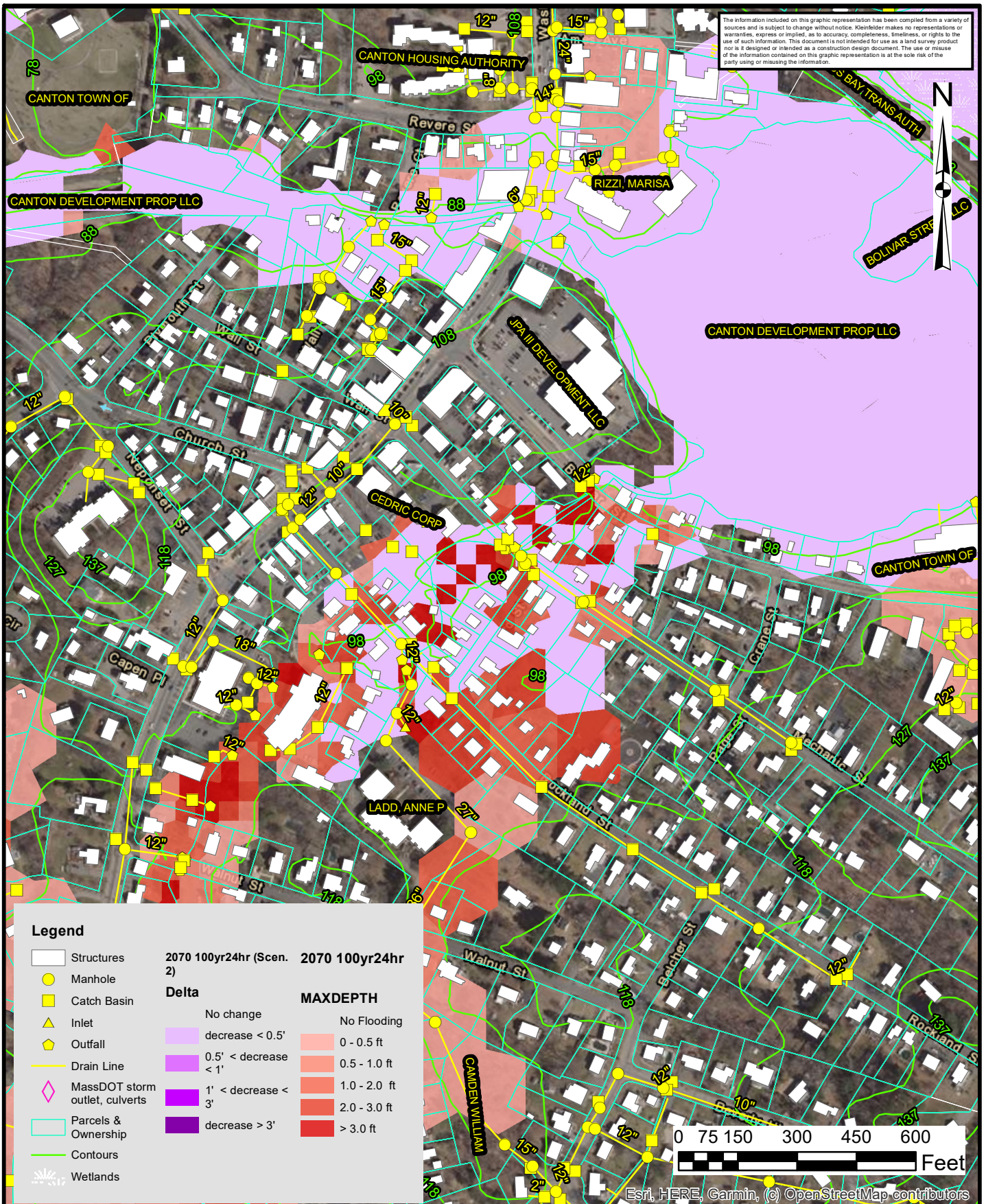







 KLEINFELDER <i>Bright People. Right Solutions.</i> www.kleinfielder.com Field Maps_KLF_revJune2021_pre and post.mxd	PROJECT NO. 20203163.001A	Sherman St. south of Memorial Field	FIGURE 10
	CREATED: 6/21/2021		
	CREATED BY: LHowe	Town of Canton, MA Municipal Vulnerability Preparedness FY20 Action Grant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





 <p>KLEINFELDER Bright People. Right Solutions. www.kleinfielder.com Field Maps_KLF_revJune2021_pre and post.mxd</p>	PROJECT NO. 20203163.001A		Bolivar St., Rockland St., and Howard St. Massapoag Brook	FIGURE 12
	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:			