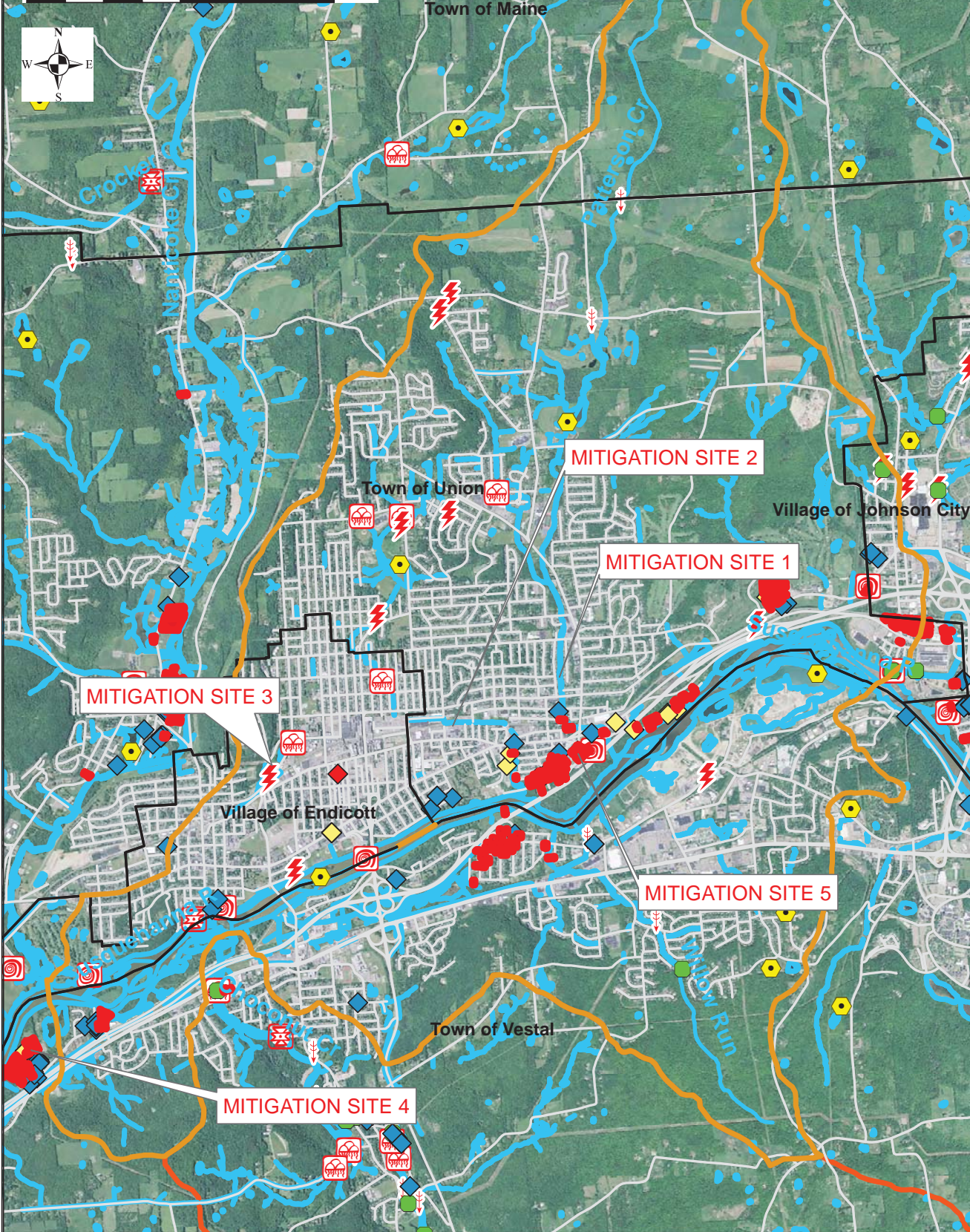


APPENDIX B

- B-1 Lower Choconut (LC) Flood Mitigation Site Index Map
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- B-3 LC Flood Mitigation Site Map 3
- B-4 LC Flood Mitigation Site 6 50-year Flood Water Depth Grid Map
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- B-42 Table B1 LC Flood Mitigation Site 6 Hydraulic Comparison Table
- B-43 Table B2 LC Flood Mitigation Site 5 Hydraulic Comparison Table

Legend

- Streams
- Municipal Boundary
- HUC 12 Watershed**
 - Patterson Creek HUC 12 Boundary
 - Flood Buyout Locations
 - Dams
- NFIP Rep. Loss Locations**
 - 2 Claims
 - 3 - 5 Claims
 - >5 Claims
- Riverine Hazards
- Stormwater Hazards
- Flash Flood Hazards
- Debris Hazards
- Erosion Hazards
- Ice Jam Hazards
- Groundwater Hazards



35

DESIGNED BY: GDF
 CHECKED BY: ...
 PROJECT NO: E-222-2013
 FIGURE NUMBER:

PATTERSON CREEK-SUSQUEHANNA RIVER
 BRIXIOUS CREEK MITIGATION LOCATION MAP

BROOME COUNTY WATERSHED
 FLOOD MITIGATION ANALYSIS

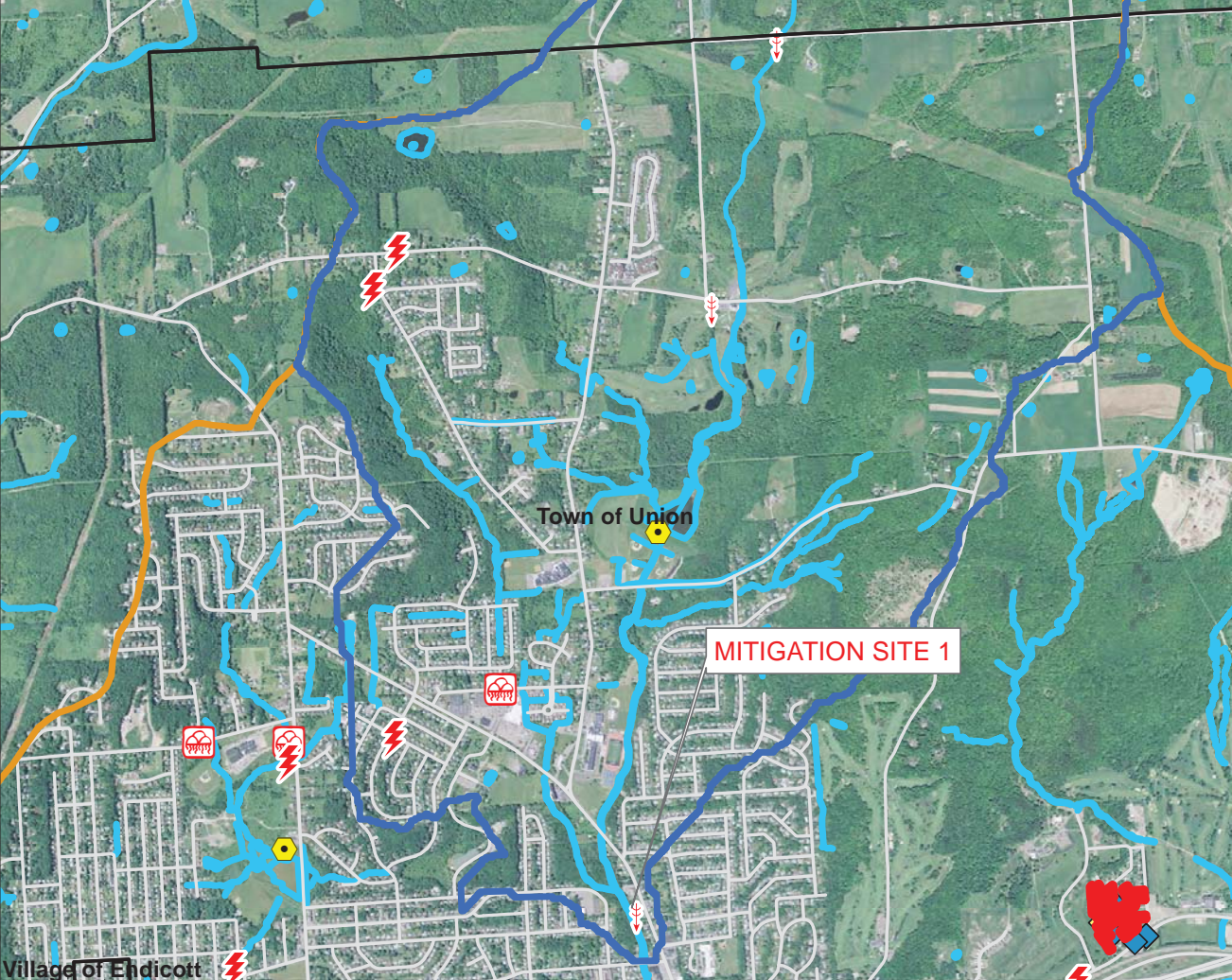
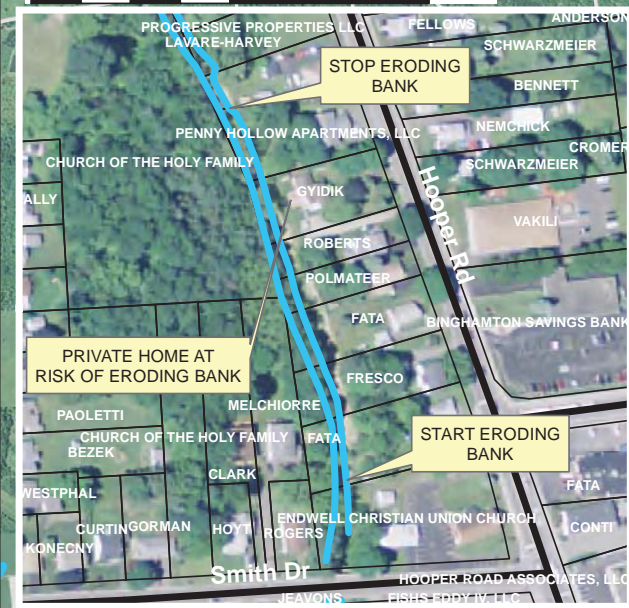
BROOME COUNTY, NY



Legend

- Streams
- Municipal Boundary
- HUC 12 Watershed**
- Patterson Creek HUC 12 Boundary
- Flood Buyout Locations
- Dams
- NFIP Rep. Loss Locations**
- 2 Claims
- 3 - 5 Claims
- >5 Claims
- Riverine Hazards
- Stormwater Hazards
- Flash Flood Hazards
- Debris Hazards
- Erosion Hazards
- Ice Jam Hazards
- Groundwater Hazards

0 0.275 0.55 1.1 Miles



36
 DATE: 2/13/15
 DESIGNED BY: GPF
 CHECKED BY: GPF
 PROJECT NO: OJ22.2013
 FIGURE NUMBER

PATTERSON CREEK-SUSQUEHANNA RIVER
 MITIGATION SITE #1 LOCATION MAP
 BROOME COUNTY WATERSHED
 FLOOD MITIGATION ANALYSIS
 BROOME COUNTY, NY



SLOPE OF RIVERWARD
BANK IS 2H:1V

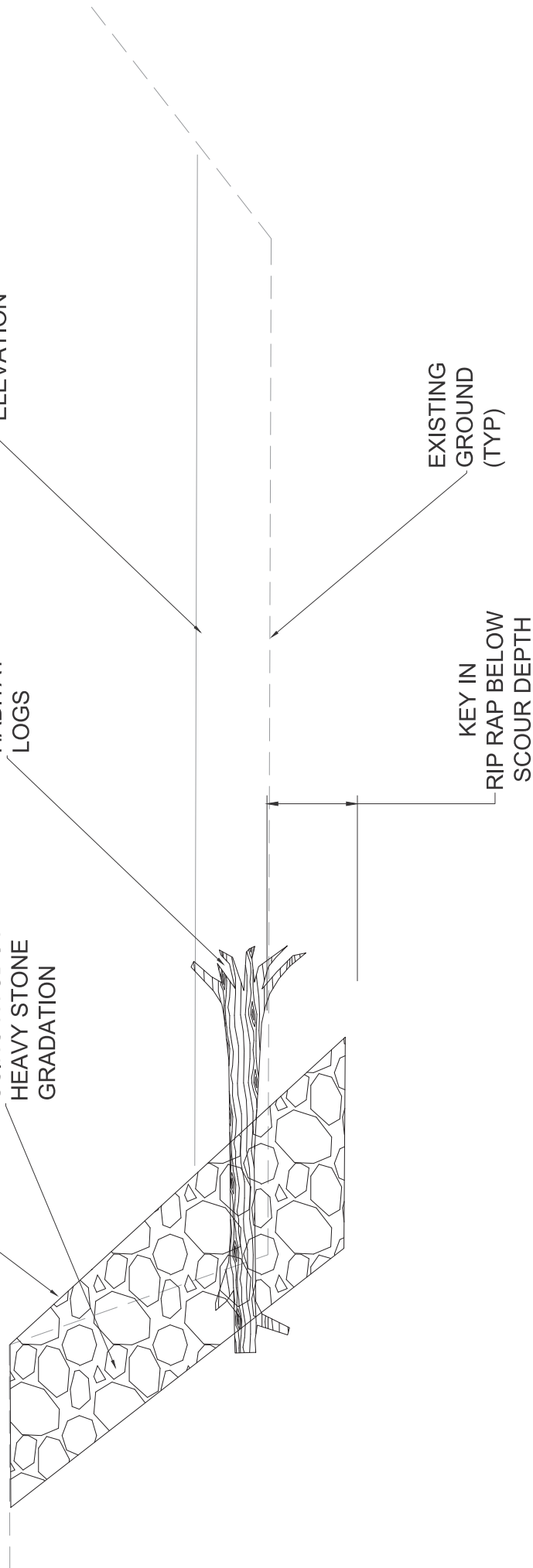
RIPRAP
USING NYS DOT
HEAVY STONE
GRADATION

HABITAT
LOGS

2-YEAR FLOOD
ELEVATION

EXISTING
GROUND
(TYP)

KEY IN
RIP RAP BELOW
SCOUR DEPTH



Home

Home (Ctrl+H) Projects (Ctrl+P) Structures (Ctrl+S) Print (Ctrl+R) BCA Export BCA (Ctrl+E) Import/Export (Ctrl+I) Backup/Restore (Ctrl+B) About (Ctrl+A)

Configure Actions Data Database About

Save and Go Back Save and Continue

PROJECT NAME: PC1 PROJECT BCR: 0.13

Project Structures Summary

Name	Structure	Benefits	Costs	BCR	Address	City	State	County	Zip
House for PC1	Building	\$20,492	\$223,413	0.09			New York	Broome	
Outbuildings for PC1	Building	\$2,360	\$16	147.50			New York	Broome	
Parcel Land for PC1	Other	\$6,261	\$16	391.31			New York	Broome	

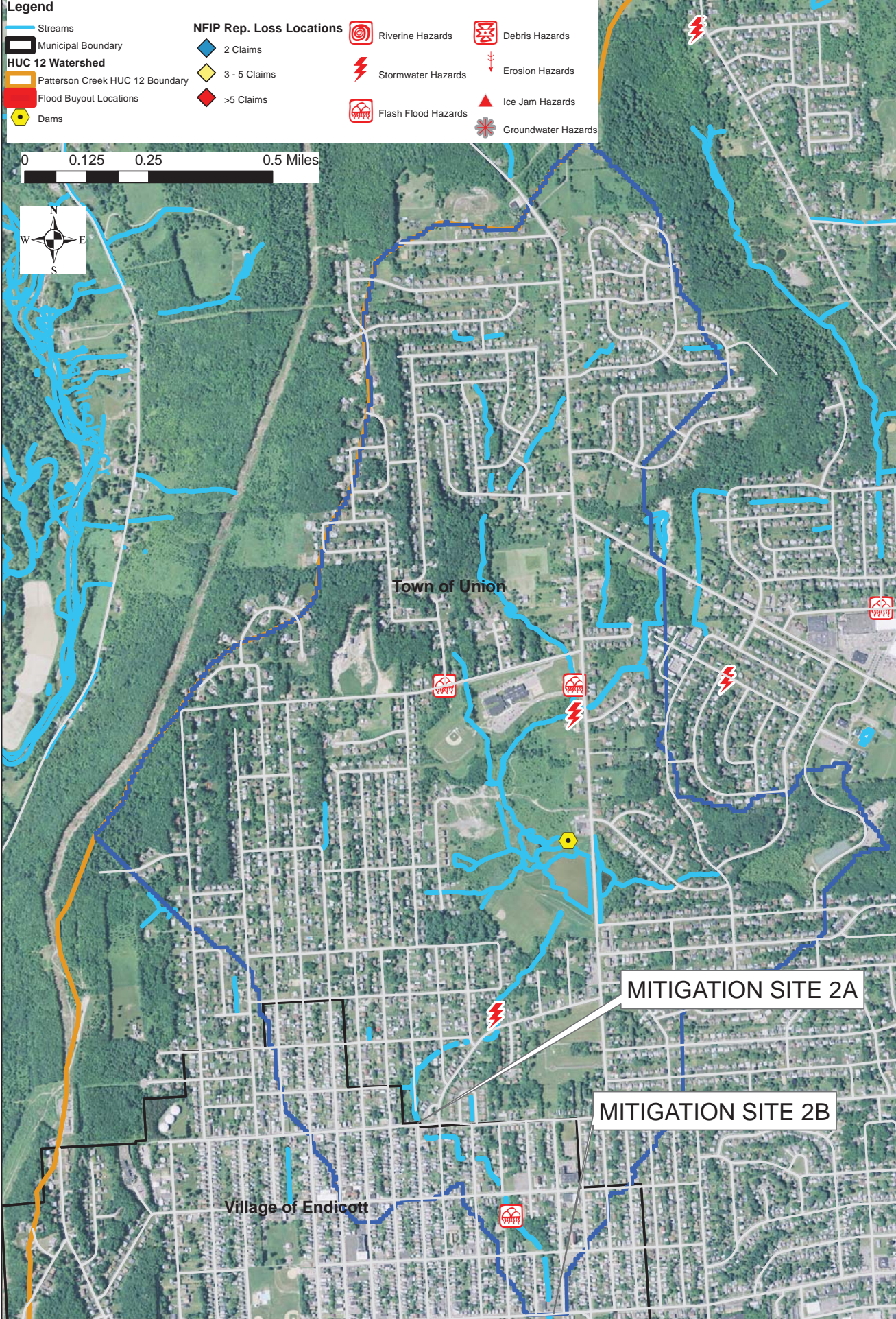
My Projects

- House for PC1
- Outbuildings for PC1
- Parcel Land for PC1
- NewNode

Benefit Cost Ratio for PC Flood Mitigation Site 1

- Legend**
- Streams
 - Municipal Boundary
 - HUC 12 Watershed**
 - Patterson Creek HUC 12 Boundary
 - Flood Buyout Locations
 - Dams
 - NFIP Rep. Loss Locations**
 - 2 Claims
 - 3 - 5 Claims
 - >5 Claims
 - Riverine Hazards
 - Stormwater Hazards
 - Flash Flood Hazards
 - Debris Hazards
 - Erosion Hazards
 - Ice Jam Hazards
 - Groundwater Hazards

0 0.125 0.25 0.5 Miles



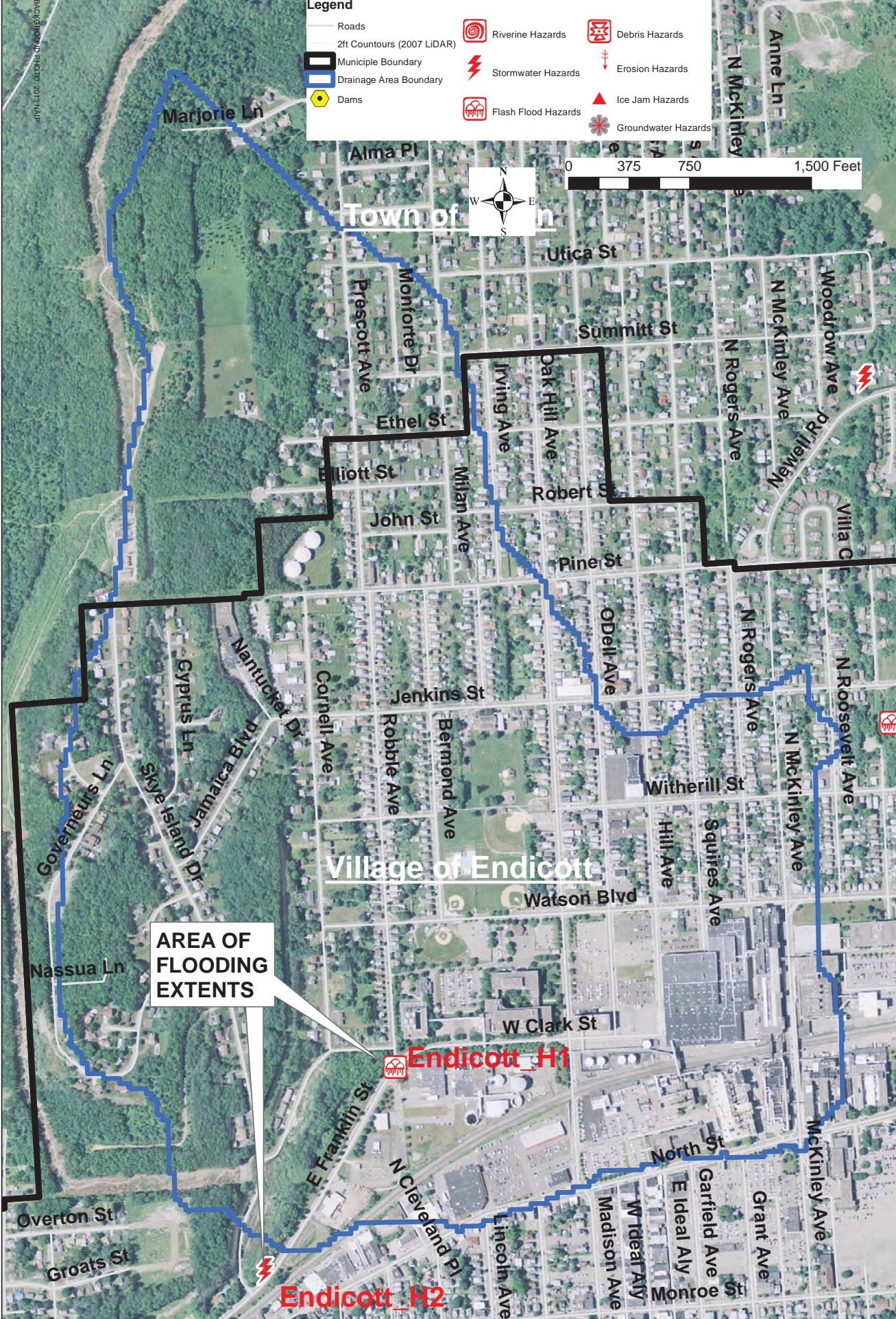
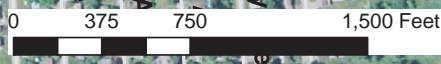
DATE: 3/24/16
 DESIGNED BY: GPF
 CHECKED BY: GPF
 PROJECT NO: E0222.2013
 FIGURE NUMBER: 39

PATTERSON CREEK-SUSQUEHANNA RIVER
 MITIGATION SITE #2
 BROOME COUNTY WATERSHED
 FLOOD MITIGATION ANALYSIS
 BROOME COUNTY, NY



BACKGROUND PHOTO: 2013 MAP

- Legend**
- Roads
 - 2ft Countours (2007 LIDAR)
 - Municipe Boundary
 - Drainage Area Boundary
 - Dams
 - Riverine Hazards
 - Stormwater Hazards
 - Flash Flood Hazards
 - Debris Hazards
 - Erosion Hazards
 - Ice Jam Hazards
 - Groundwater Hazards

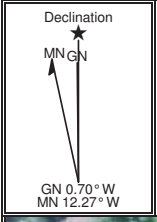
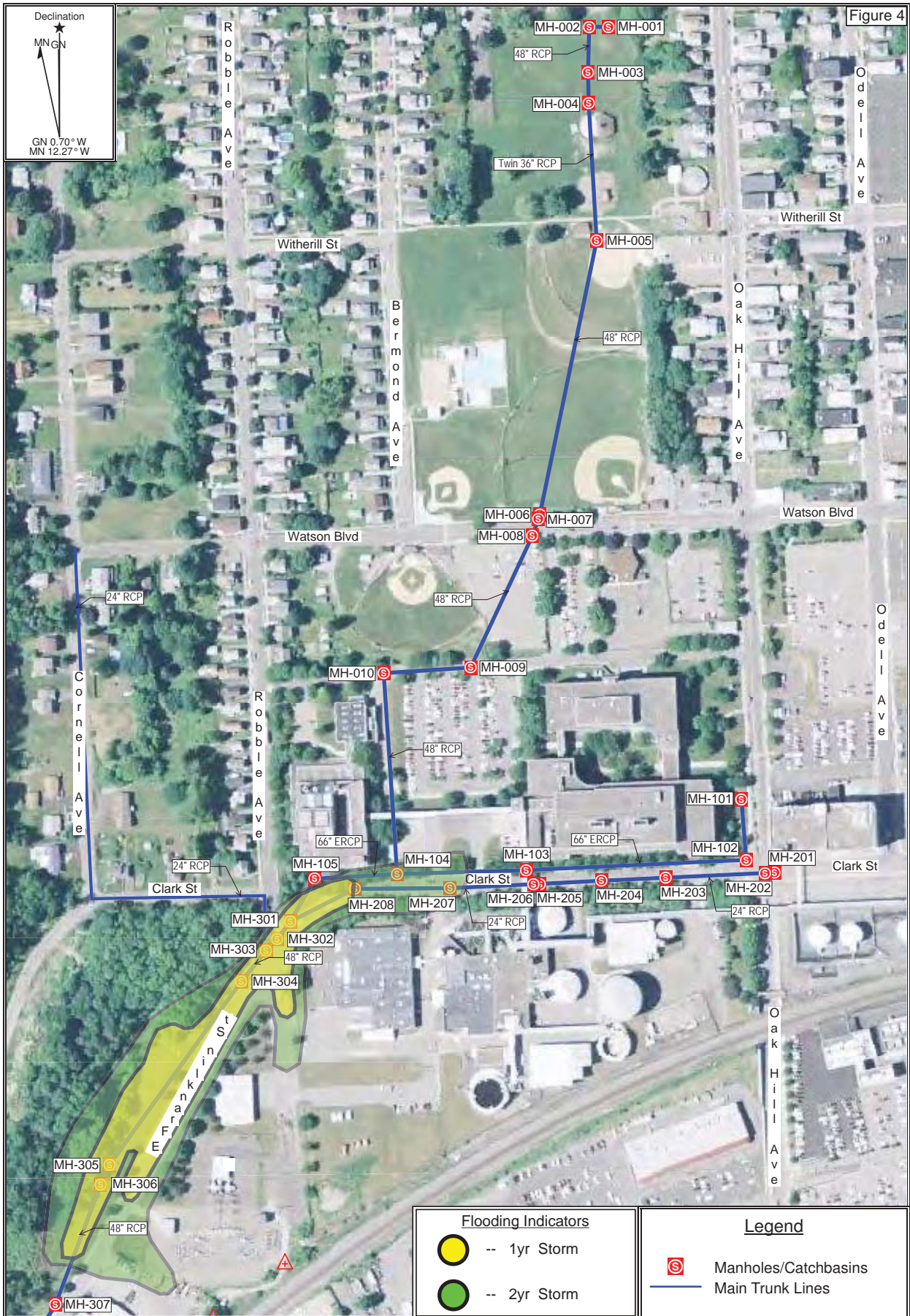


AREA OF FLOODING EXTENTS

Endicott_H1

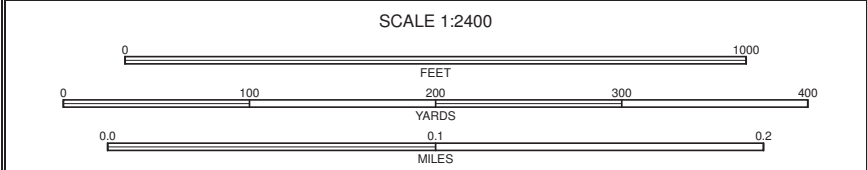
Endicott_H2

Figure 4



Flooding Indicators	
	-- 1yr Storm
	-- 2yr Storm

Legend	
	Manholes/Catchbasins
	Main Trunk Lines



Central Endicott Drainage Study
Existing Flooding Limits

Scale: 1 inch = 200 feet
Endicott, New York

May 2014

Table Number: B1						
Table Title: Comparison of Existing and Proposed Conditions						
Date: 12/28/15						
Flood Return Interval	100-Year			10 Yr		
	Existing Conditions	Proposed Conditions		Existing Conditions	Proposed Conditions	
Station	Water Surface Elevation	Water Surface Elevation	Delta	Velocities	Velocities	Delta
	ft	ft	ft	ft/sec	ft/sec	ft/sec
2466	888.51	888.52	0.01	10.47	10.47	0
2447	Bridge					
2371	886.89	886.94	0.05	11.88	11.88	0
2214	886.22	886.21	-0.01	11.27	11.27	0
1747	881.68	881.68	0	10.88	10.88	0
1610.4*	880.1	880.1	0	11.49	11.49	0
1473.8*	878.3	878.3	0	11.34	11.34	0
1337.2*	876.64	876.66	0.02	11.76	11.76	0
1200.6*	875.61	875.64	0.03	10.84	10.84	0
1064	875.16	875.2	0.04	8.76	8.76	0
710	873.95	873.94	-0.01	7.63	7.63	0
323	873.24	873.24	0	5.92	5.92	0
243	872.38	872.38	0	7.69	7.69	0
215	Bridge					

Table Number: B2

Table Title: Comparison of Existing and Proposed Conditions for Study Area 5

Date: 12/28/15

Return Interval Flood	100-year			10-year		
	Existing Conditions	Proposed Conditions		Existing Conditions	Proposed Conditions	
Station	Water Surface Elevation	Water Surface Elevation	Delta	Velocity	Velocity	Delta
	ft	ft	ft	ft/sec	ft/sec	ft/sec
3832	895.53	895.32	-0.21	6.82	6.44	-0.38
3705.4	895.06	894.78	-0.28	7.05	6.61	-0.44
3578.8	894.58	894.13	-0.45	7.28	7.49	0.21
3452.2	894.1	893.65	-0.45	7.51	7.75	0.24
3325.6	893.63	893.15	-0.48	7.73	7.63	-0.1
3199	893.17	892.77	-0.4	7.96	7.35	-0.61
3052.4	893.1	892.47	-0.63	7.04	7.33	0.29
2905.8	891.92	891.64	-0.28	8.59	8.6	0.01
2759.2	891.06	891.1	0.04	8.85	8.46	-0.39
2612.6	890.17	889.98	-0.19	9.16	9.31	0.15
2466	888.95	888.35	-0.6	10.19	10.47	0.28
2447	Bridge					
2371	887.15	886.96	-0.19	11.8	11.89	0.09
2214	884.69	884.69	0	11.28	11.28	0