

**Action Worksheet**  
**CG-1: Cemetery Creek Drainage**

<b>Name of Jurisdiction:</b>	City of Geneva
<b>Name of Haz. Mit. Plan:</b>	Ontario County Multi-Jurisdictional Hazard Mitigation Plan – 2015
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Improper and insufficient drainage along Cemetery Creek.
<b>Potential Actions/Projects (not being Implemented at this time)</b>	
<b>Actions/Projects Considered with Summary Evaluation of Each:</b>	Implementation of the recommendations detailed in the January 2018 engineering study for the existing Cemetery Creek Storm Sewer
<b>Action or Project Intended for Implementation</b>	
<b>Action/Project Number:</b>	CG-1
<b>Name of Action or Project:</b>	Cemetery Creek Drainage
<b>Action or Project Description:</b>	In the 19 <sup>th</sup> century much of Cemetery Creek was directed through underground pipes. The areas above were later developed making replacement/enlargement of most of the system impractical. Runoff from continued development and recent storm events have exceeded system capacity and resulted in regular flooding of downtown properties. An engineering study was completed in January of 2018 and includes recommendations to mitigate flooding. This project would implement those recommendations which include: <ul style="list-style-type: none"> <li>- Diversion of a portion of the drainage (study needed)</li> <li>- Creation of flood storage on individual sites</li> <li>- Disconnecting properties from the Cemetery Creek drainage system and creating on site drainage/infiltration</li> <li>- Improving access to the drainage system for more regular monitoring and repair.</li> </ul>
<b>Summary of Evaluation</b>	
<b>Benefits (losses avoided)</b>	Future flood damage along Cemetery Creek
<b>Estimated Cost</b>	TBD after completion of diversion study and individual site assessments for system disconnect and on site drainage.
<b>Other Factors Considered</b>	It was determined that replacement /enlargement of pipes is impractical because of extensive high density development immediately above.
<b>Plan for Implementation</b>	
<b>Responsible Organization:</b>	Geneva City Council
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	2023
<b>Potential Fund Sources:</b>	FEMA Grant, City Budget, individual property owners.
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	None
<b>Progress Report</b>	
<b>Date of Status Report:</b>	
<b>Report of Progress:</b>	
<b>Evaluation of Effectiveness:</b>	

<b>Action Worksheet</b>	
<b>CG-2: Castle Creek Intermunicipal Drainage Study</b>	
<b>Name of Jurisdiction:</b>	City of Geneva
<b>Name of Haz. Mit. Plan:</b>	Ontario County Multi-Jurisdictional Hazard Mitigation Plan – 2015
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Periodic flooding and erosion along Castle Creek. The Castle Creek watershed includes portions of the Town and City of Geneva. Through the City, Castle Creek runs east to west through a dense mix of residential and downtown commercial uses. It outlets into Seneca Lake near a lakefront park and swimming area. Some of it runs through underground culverts. An overall look at this complex watershed is needed to assess conditions and develop solutions to minimize flooding, erosion and negative impacts to Seneca Lake.
<b>Potential Actions/Projects (not being Implemented at this time)</b>	
<b>Actions/Projects Considered with Summary Evaluation of Each:</b>	Coordinate with the Town of Geneva to develop a plan to properly manage runoff, drainage, and erosion throughout the Castle Creek Watershed.
<b>Action or Project Intended for Implementation</b>	
<b>Action/Project Number:</b>	CG-2
<b>Name of Action or Project:</b>	Castle Creek Intermunicipal Drainage Study
<b>Action or Project Description:</b>	Work with the Town of Geneva to develop an intermunicipal watershed plan that culminates in workable strategies to minimize future flooding and erosion along Castle Creek and limit potential negative impacts to the environment, public health, and property.
<b>Summary of Evaluation</b>	
<b>Benefits (losses avoided)</b>	Limit future negative impacts to public health and the environment as well as property damage caused by erosion and flooding along Castle Creek
<b>Estimated Cost</b>	\$100,000
<b>Other Factors Considered</b>	
<b>Plan for Implementation</b>	
<b>Responsible Organization:</b>	Ontario County Planning will facilitate the intermunicipal effort
<b>Action/Project Priority:</b>	Medium to high
<b>Timeline for Completion:</b>	2023
<b>Potential Fund Sources:</b>	FEMA Grant, City Budget, individual property owners.
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	None
<b>Progress Report</b>	
<b>Date of Status Report:</b>	
<b>Report of Progress:</b>	
<b>Evaluation of Effectiveness:</b>	

<b>Action Worksheet</b>	
<b>CG-3: Marsh Creek Intermunicipal Drainage Study</b>	
<b>Name of Jurisdiction:</b>	City of Geneva
<b>Name of Haz. Mit. Plan:</b>	Ontario County Multi-Jurisdictional Hazard Mitigation Plan – 2015
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Periodic flooding and erosion along Marsh Creek. The Marsh Creek watershed includes portions of the Town and City of Geneva. Through the City, Marsh Creek runs north to south through a dense pattern of mixed development, and outlets into Seneca Lake near a lakefront park and swimming area. Some of it runs through underground culverts. The City of Geneva Sewage Treatment Plant also outlets into Marsh Creek about 0.6 miles north of the inlet to Seneca Lake. A watershed wide approach is needed to address longstanding problems with, erosion, flooding and negative impacts to water quality.
<b>Potential Actions/Projects (not being Implemented at this time)</b>	
<b>Actions/Projects Considered with Summary Evaluation of Each:</b>	Coordinate with the Town of Geneva to develop a plan to properly manage runoff, drainage, and erosion throughout the Marsh Creek Watershed.
<b>Action or Project Intended for Implementation</b>	
<b>Action/Project Number:</b>	CG-3
<b>Name of Action or Project:</b>	Marsh Creek Intermunicipal Drainage Study
<b>Action or Project Description:</b>	Work with the Town of Geneva to develop an intermunicipal watershed plan that culminates in workable strategies to minimize future flooding and erosion along Marsh Creek and limit negative impacts to the environment, public health, and property.
<b>Summary of Evaluation Benefits (losses avoided)</b>	Limit future negative impacts to public health and the environment as well as property damage caused by erosion and flooding along Marsh Creek
<b>Estimated Cost</b>	\$100,000
<b>Other Factors Considered</b>	
<b>Plan for Implementation</b>	
<b>Responsible Organization:</b>	Ontario County Planning will facilitate the intermunicipal effort
<b>Action/Project Priority:</b>	medium
<b>Timeline for Completion:</b>	2023
<b>Potential Fund Sources:</b>	FEMA Grant, City Budget, individual property owners.
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	None
<b>Progress Report</b>	
<b>Date of Status Report:</b>	
<b>Report of Progress:</b>	
<b>Evaluation of Effectiveness:</b>	