



MANCHESTER-NEXT PLAN OF CONSERVATION AND DEVELOPMENT

NOVEMBER 13, 2025

Town of Manchester Flood Resiliency Plan

Community Meeting #2



Thornton Tomasetti

AGENDA

- Meet the team
- Community meeting goals
- Progress update & timeline
- Flood risk assessment: approach & results
- Next steps



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MEET THE TEAM



Jeff LaMalva
Town Engineer –
Town of Manchester



Dmitrijs Obolevics
Project Manager /
Flood Analysis Lead –
Thornton Tomasetti



Talia Pinker
Flood Analyst –
Thornton Tomasetti



Kaitlin Magee
Community Engagement Specialist
–
Melissa Johnson Associates



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COMMUNITY MEETING GOALS

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Information session

- Provide a brief update on progress of the Flood Resilience Plan and timeline
- Review the flood risk assessment methodology
- Present key results from the assessment
- Outline next steps



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PROJECT PROGRESS UPDATE & TIMELINE

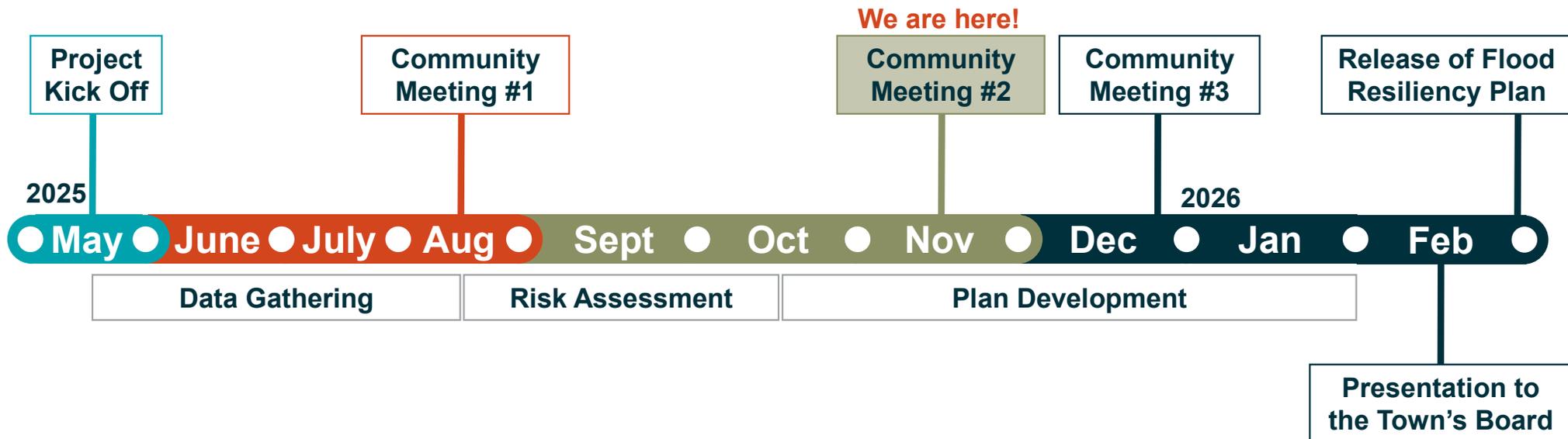
WHAT IS FLOOD RESILIENCE PLAN?

The **Flood Resiliency Plan** is a comprehensive, **data and community-driven initiative** that will guide the Town in development of effective strategies to **reduce flood risk** across Manchester and **protect** properties, infrastructure, and vital community assets.



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TIMELINE



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FLOOD RISK ASSESSMENT: APPROACH

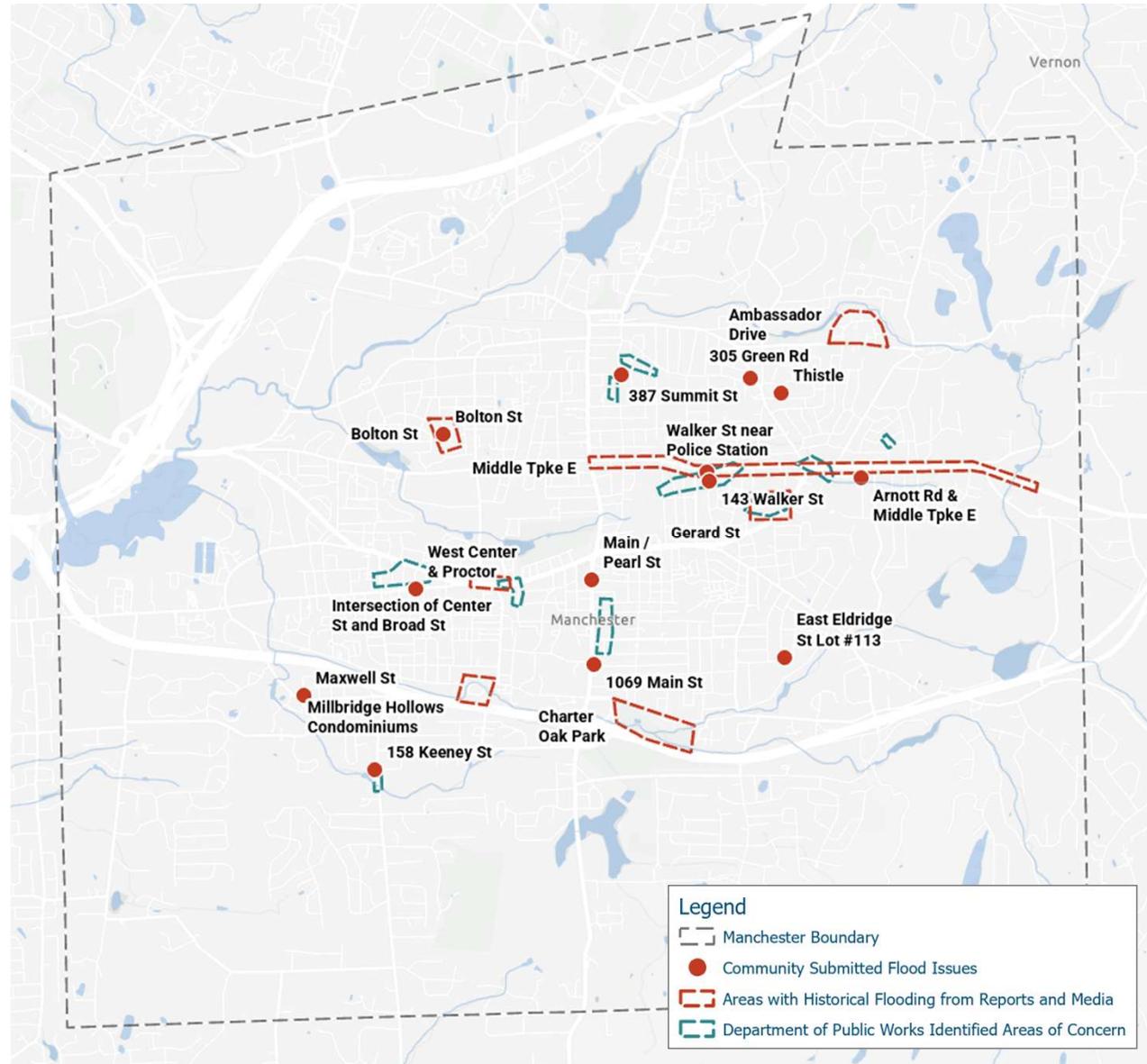
HISTORIC FLOOD LOCATIONS

Project team gathered information about historic flood locations from various sources:

- **Community Meeting #1** and information received via email
- Additional information provided by the **Department of Public Works**
- Additional information obtained from the **media**

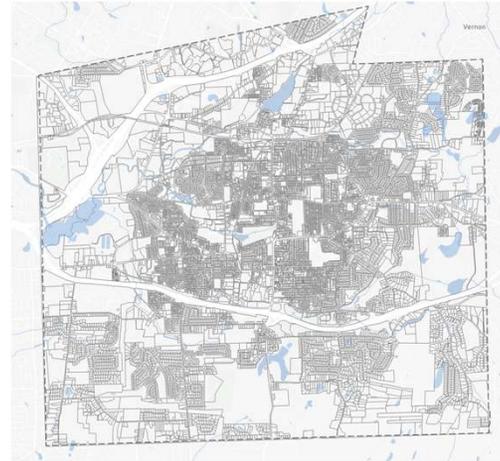


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INPUT DATA

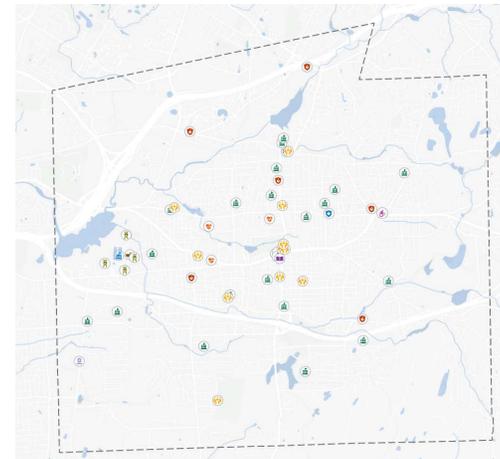
- Data was gathered about **Manchester's infrastructure**: land parcels, buildings, roadways, drainage, etc.
- **Critical facilities**, places that could be critical during a flood event, were also mapped: police stations, hospitals, fire stations, community centers etc.
- Flood risk data obtained from Scalgo Live - shows **potential locations of runoff ponding** based on rainfall amounts and terrain



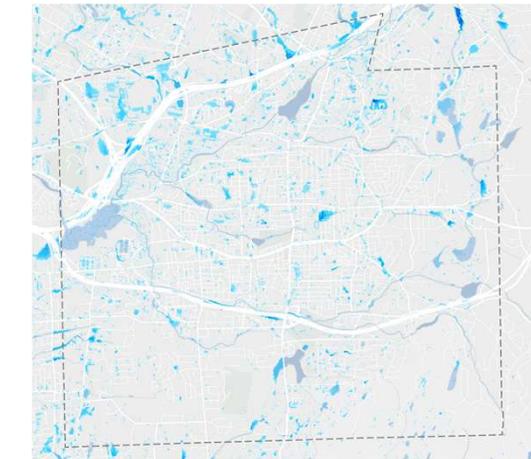
Land Parcels



Buildings



Critical facilities



Flood risk data



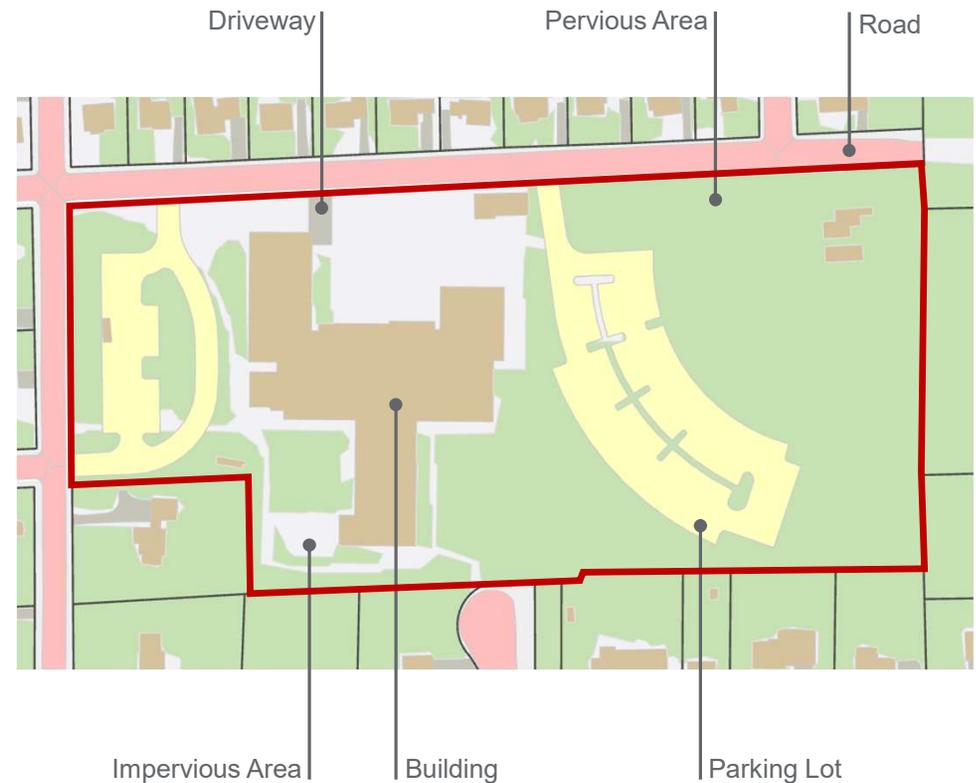
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TWO-LEVEL ASSESSMENT

“**Element-level**” assessment identifies which parcel features have the most exposure to flooding and how they contribute to overall flood risk.

Calculations and analysis are based on estimated flood depths and areas inundated during a series of storm events selected for this assessment

Parcel and Elements example



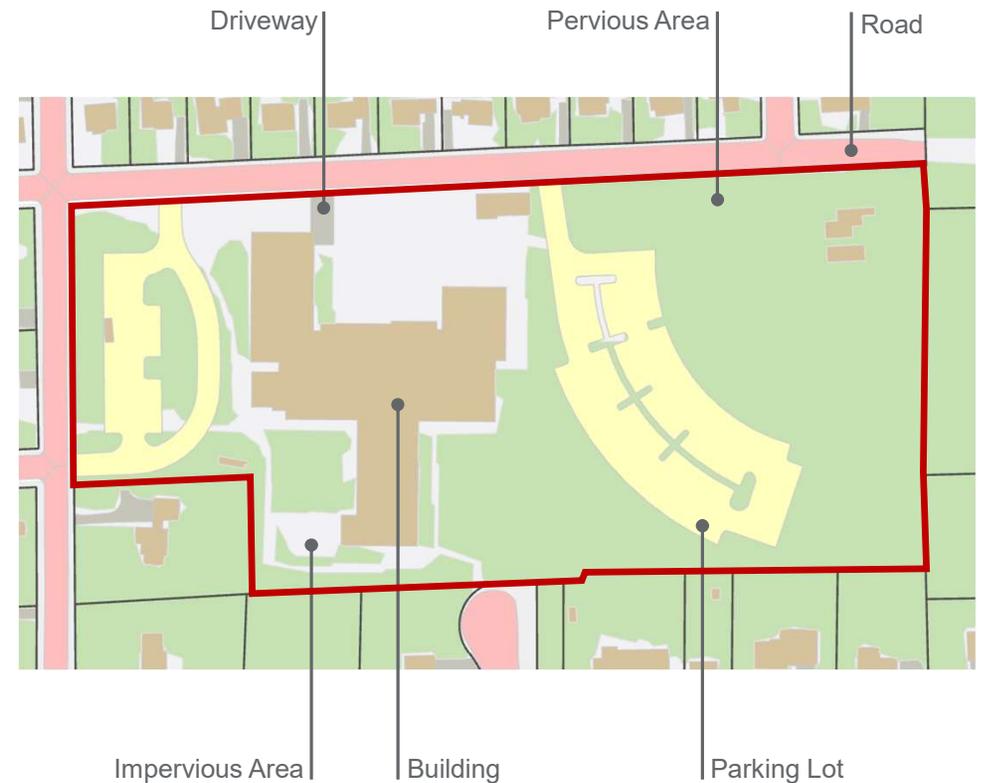
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TWO-LEVEL ASSESSMENT

“**Parcel-level**” assessment combines element flood risk results at a parcel level to understand the most vulnerable locations throughout the Town.

We overlaid this information with historic flooding locations, environmental justice considerations, critical facilities, and floodplain areas to identify locations that are most vulnerable and need to be prioritized.

Parcel and Elements example

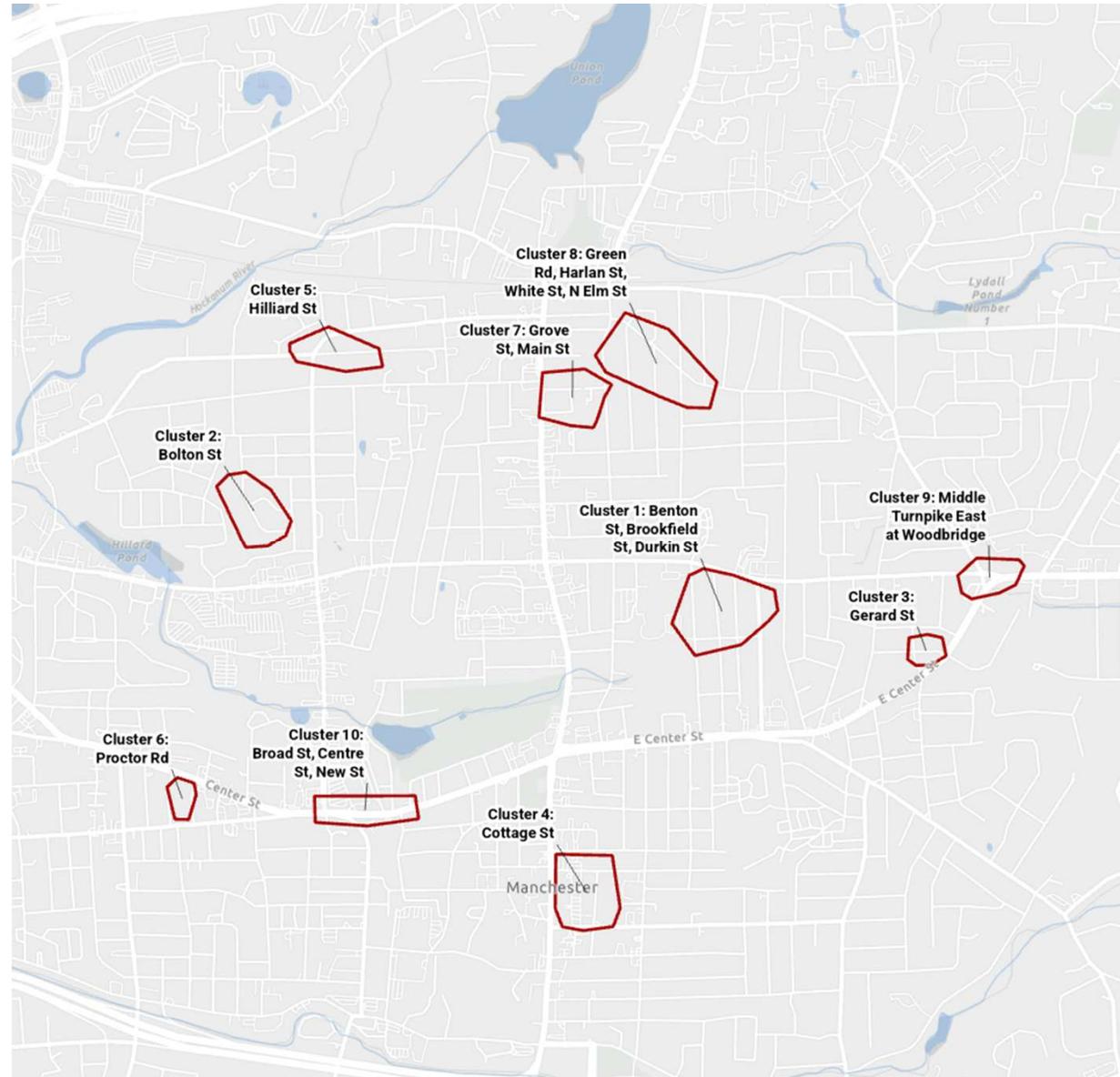


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FLOOD RISK ASSESSMENT: RESULTS

PRIORITY CLUSTERS

- This **data-driven flood risk assessment** helped us to identify locations with the highest risk of flooding across Manchester
- In coordination with the Town, **Top 10 Priority Clusters** were identified for the next phase during which flood risk mitigation measures will be developed



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NEXT STEPS



NEXT STEPS

- **10 Priority Clusters:** Develop concept-level flood mitigation measures for 10 Priority Clusters identified
- **Community Meeting #3:** Final community meeting to share the update on the proposed flood mitigation measures; date is still to be determined.
- **Flood Resilience Plan:** Develop the planning document and framework to help the Town of Manchester apply and secure funding for the flood-mitigation project implementation



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OPEN DISCUSSION

Do you have any questions?



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THANK YOU!

To provide any input and feedback, ask questions, stay up to date on upcoming community meetings, please email to:

manchesterfloodplan@gmail.com