Letter of Map Revisions
LOMR

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What is a Letter of Map Revision

- **Letter of Map Revision (LOMR)** – FEMA’s modification to an effective Flood Insurance Rate Map (FIRM) and/or Flood Boundary / Floodway.

- **FIRM** – the official flood insurance map of a community of which FEMA has indicated the flood hazard areas and the risk premium zones for the community.

Source: www.fema.gov
Recent LOMRs by EPWater and CoEP

- Northeast LOMR – Effective June 2018
- Pico Norte LOMR – Effective December 2019
NORTHEAST LOMR
Northeast Streams - FP 13 and FP 14
NE Rain Events

3’-10” above the channel bridge
NE Channel 2 Improvements
NE Channel 2 Improvements

- Construction of 19,000+ linear feet of concrete channel to contain the 25-year storm
NE Channel 2 Improvements
Letter of Map Revision (LOMR)

- Project completed in 2011
- LOMR Application submitted 07/28/14
- Extensive coordination with FEMA
- Public Outreach – December 2017
- Approved Map Revision – January 2018
- Effective – June 2018
Investment vs. Benefit

**Investment:**
- NE Channel 2 Construction - $14.6 M

**Benefit:**
- 5,000 + properties removed from flood zone
- Removed properties - Flood Insurance
  - 747 properties have flood insurance
  - *Average flood insurance premium per household - $ 895
  - Sum of annual premiums - $ 670,000 +
  - If everyone were to have flood insurance – Savings $ 9M

* Data by FEMA
Approximately 5,000 properties removed from the 100-yr flood zone

New FEMA Northeast Floodplain Map
Additional 610 properties will be removed from the 100-yr flood zone.
Pico Norte Rain Events
Pico Norte Area Improvements

- Phase 1 – Pico Norte Pond Improvements
- Phase 2 – Sam Snead Storm Drain Improvements
- Phase 3 – Bywood Drive Drainage Improvements
PHASE 1 - PICO NORTE POND IMPROVEMENTS
**PROJECT DESCRIPTION**

- **Phase 1 – Pico Norte Pond Improvements**
  - Completed 2016
  - Construction Cost $2M

- **Project Description**
  - Excavate and Expand the Pond
  - Improve the Pond Side Slopes
  - Improve the Existing Drainage Structures
  - Provide New Perimeter Rock Wall
Pico Norte Pond Improvements
Bywood Drive Drainage System Improvements
Previous FIRM
Pico Norte LOMR

• LOMR Application submitted by City of El Paso’s Land Development
  • City’s H&H Modelers modeled the pond improvements within the drainage area
  • 05/21/19 – LOMR Application submitted to FEMA
  • 90 day Review Period
  • Effective December 2019
Investment vs. Benefit

- **Investment:**
  - Pico Norte Pond Expansion - $2M

- **Benefit:**
  - 1,110 + properties removed from flood zone
  - Removed properties - Flood Insurance
    - Flood insurance – Savings $2M
INTERIOR DRAINAGE STUDY
What is it

- A drainage analysis of the City that is required by FEMA to Certify the levees that provide protection to the City

- Its purpose is to determine the effects of the Rio Grande at different stages (high and low) on the levee and the interior drainage systems

- It is used to determine flood risk in urban areas

- In 2009, El Paso Water and El Paso County Texas entered into an Interlocal Agreement as a collaborative effort to develop regional Stormwater Planning

- In 2018, El Paso County had an interest in studying and developing a masterplan for the Montana Sector of the county that was not included in the original El Paso County Masterplan

- Both El Paso Water and El Paso County had also identified a need to complete a countywide Interior Drainage Study in order to certify levees within the county limits
History

- 2006 Flood
- 2009 – City of El Paso SWMP – EPWater and City of El Paso
  - Significant Stormwater Infrastructure Improvements
- 2010 – El Paso County SWMP – El Paso County and EPWater
- 2013 - Canutillo Phase II – USIBWC
- 2013 - Courchesne Reach - USIBWC
- 2014 – City of El Paso Interior Drainage Study – EPWater, City of El Paso, FEMA, USIBWC
- 2015 & 2019 – American Canal Project - USIBWC
- 2015 – 2017 – NW Feasibility Study – USACE and EPWater
- 2016 – International Dam to Riverside Weir – EPWater
- 2018 - Doniphan Corridor Study – TXDOT
- 2019 – Countywide Interior Drainage and Levee Certification – EPCounty and EPWater
- 2019 – Montana Sector SWMP – EPCounty and EPWater
Study Area
Activities 2019 - What we’ve done

- February – Kickoff meeting
  - Data collection
  - Draft data collection and modeling approach report
  - Modeling coordination with FEMA, USIBWC, County, City and EPWater
  - Field investigation of outfalls into the Rio Grande
  - Field investigation of recently constructed projects
What’s next - Timeline (2020)

- March – Draft Interior Drainage Study Report
- May – Distribute revised report to stakeholders
- June – Stakeholder meeting
- July – Distribute final report to stakeholders
QUESTIONS?