Storm Drainage Master Plan Update

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Infrastructure & Culture Committee

Bill Request 14-0694

- * Housekeeping to correct an out-of-date reference in Denver Revised Municipal Code (DRMC) Section 56-110(b).
- * Currently, Section 56-110(b) of Article III of Chapter 56 of the DRMC states that the City's master drainage plan and studies are based upon storm drainage criteria and methodologies established by the Denver Regional Council of Governments.
- * 1969: The Urban Drainage and Flood Control District (UDFCD) was created and now manages this responsibility and has published a 3-Volume Criteria Manual.
- * Request approval of Bill Request 14-0693 to clarify that the master drainage plan and studies are based upon UDFCD storm drainage criteria and methodologies.

Resolution Request 14-0693

- Section 56-110(e) of the Denver Revised Municipal Code states:
 - * The master drainage plan formulated and developed by the Executive Director of Public Works may not be considered the official master drainage plan of the City until it is adopted by resolution of the City Council.
 - * The master drainage plan shall be updated in no less frequent intervals than five (5) years, including new improvements and developing problem areas and shall be submitted to the city council for evaluation and approval.
- * Current Storm Drainage Master Plan: Adopted October 5, 2009.
- * Request approval of Resolution Request 14-0693 to adopt the September 2014 update to the Denver Storm Drainage Master Plan as the official master drainage plan of the City and County of Denver.
- * Presentation to follow...

What is the Storm Drainage Master Plan & Why do we update it?

- * Inventory of all the storm drainage pipes in Denver
- * Includes storm runoff flow calculations Technical Appendices
- * Identifies, without prioritizing, all needs for upgrading existing storm drains and installing new drains
- * Update proposed project costs based on current bid data
- * \$1.47 billion in needs city-wide
- Denver Revised Municipal Code: update every 5 years
- * Started 18 months ago; 6,000 hours of work

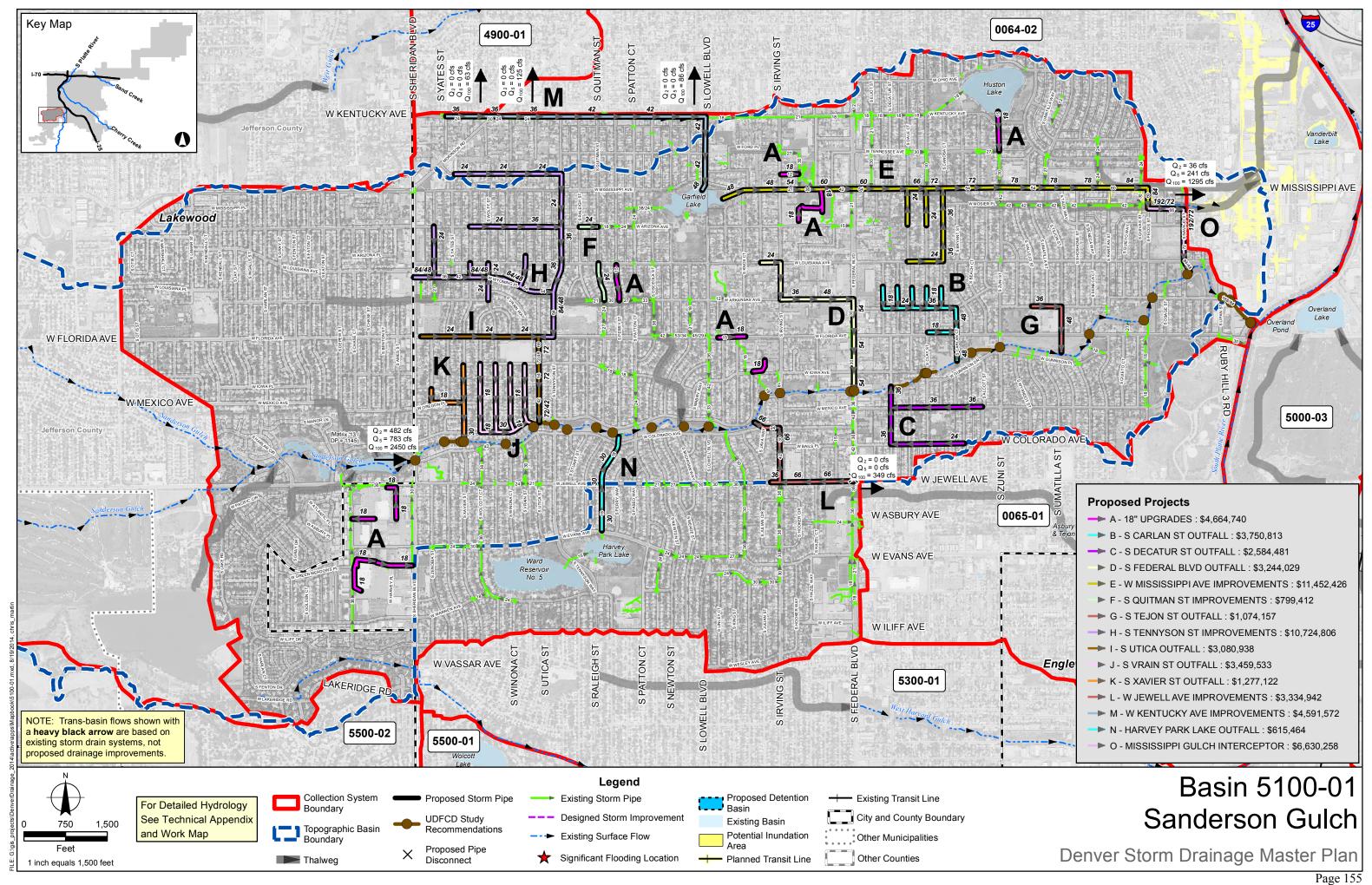
Who Uses the Storm Drainage Master Plan?

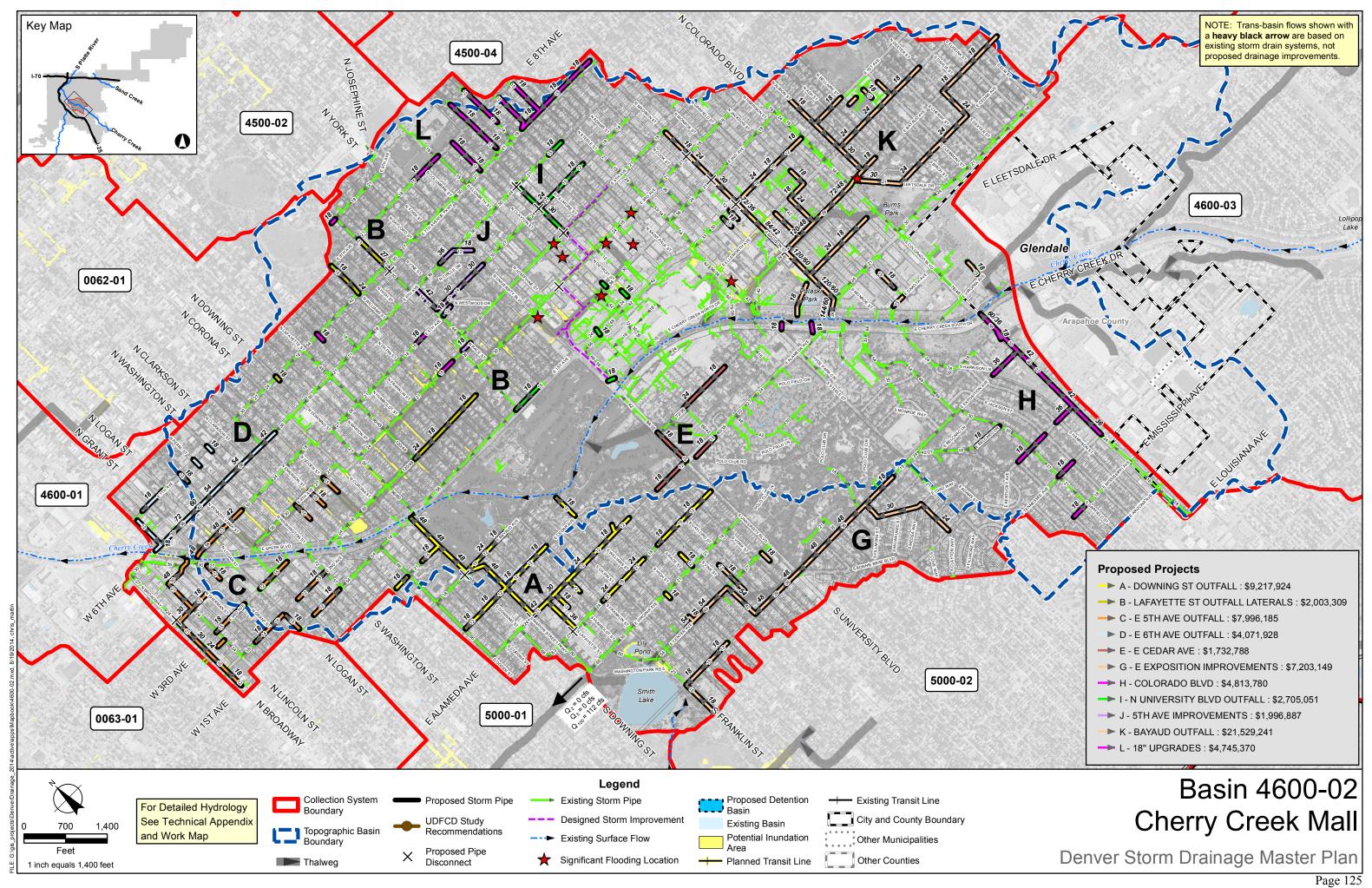
* Public Works

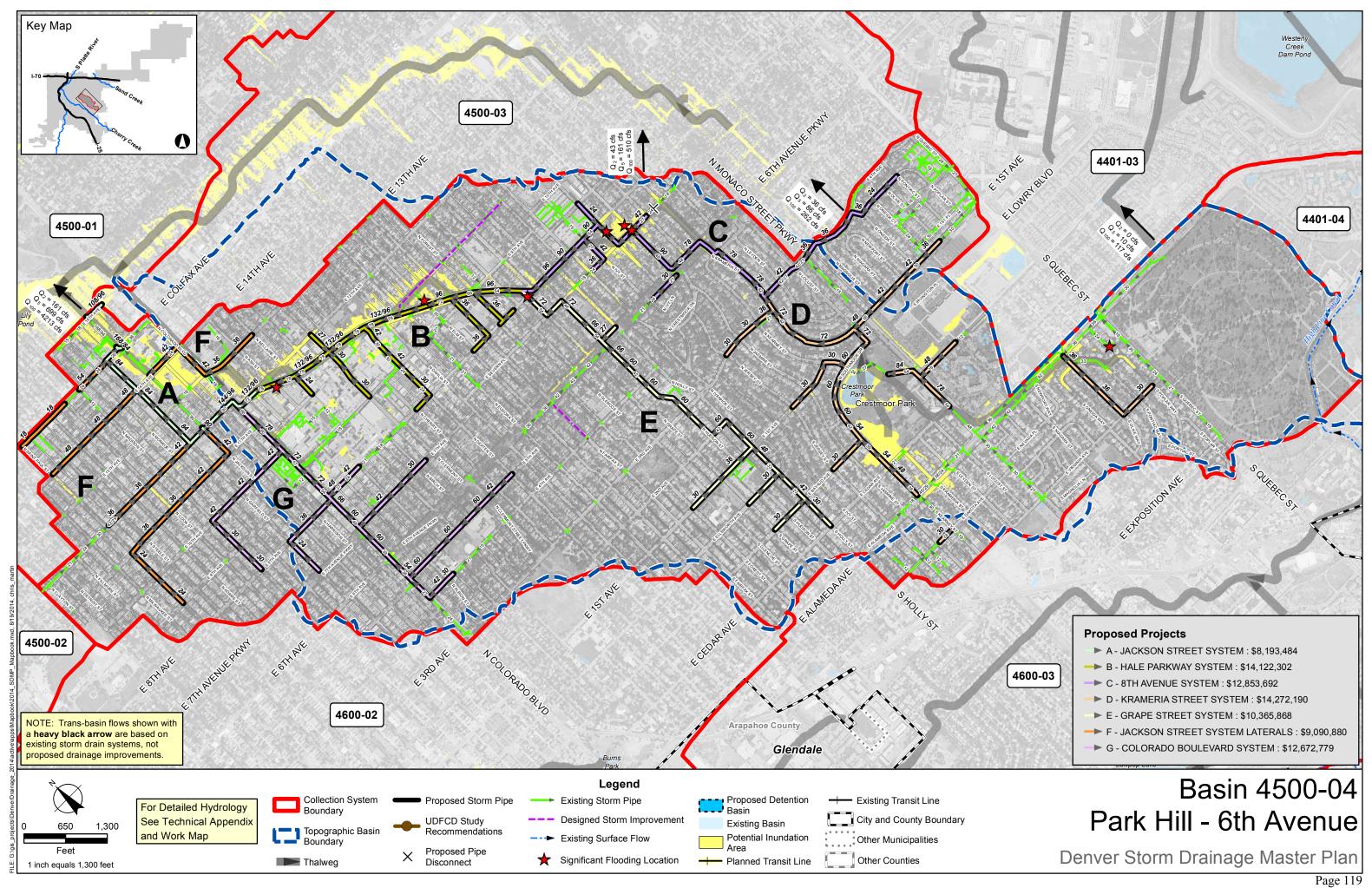
- Wastewater Capital Projects Management Planning and Programming
- * Street Maintenance Capital Projects coordination
- Bridge Group Capital Projects coordination
- Policy Planning and Sustainability coordination
- Development Services
- Developers and Engineers
- Community Planning & Development (CPD)
- * Council offices and constituents

Key features of the updated 2014 Storm Drainage Master Plan

- * Key features of past and current Storm Drainage Master Plans
 - * Identify existing storm drains and needed storm drainage improvements
 - Storm History updated
- * New features for 2014 Storm Drainage Master Plan:
 - * Urban Drainage & Flood Control District study recommendations
 - * Significant Flooding Locations
 - Thalwegs and Potential Inundation areas
- * Benefits
 - Helps identify top priority projects.
 - * Better department coordination
 - * Improved council & constituent potential flooding information







Summary

- The City's Storm Drainage Master Plan is required by ordinance to be updated every 5 years
- * The Storm Drainage Master Plan requires council approval by Resolution in order to be considered the official master drainage plan of the city
- Request approval of Resolution Request 14-0693 for consideration by City Council
- * Upon adoption by City Council: Available on City's Website www.denvergov.org
- * Questions / Discussion