

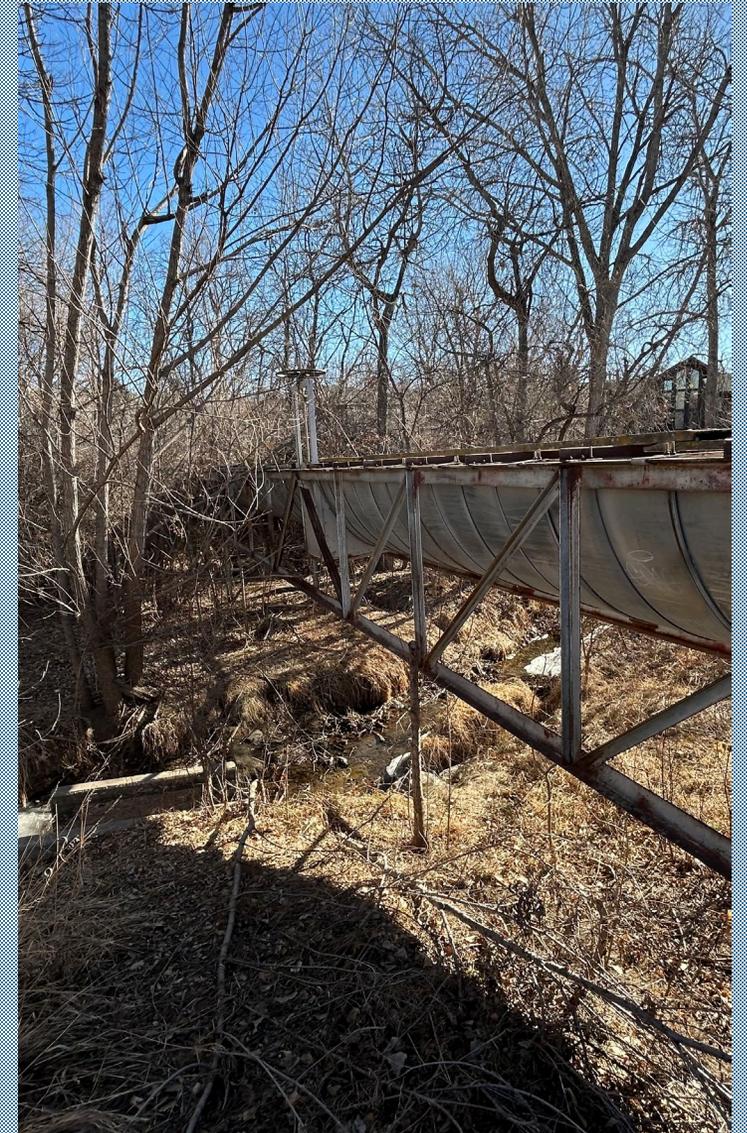
CITY DITCH PROJECT OVERVIEW

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OVERVIEW

History of City Ditch

Project update by City of Englewood

Summary of Lee Gulch Flume

Overview of Project Agreements

Upcoming Public Meetings

Questions & Discussion

HISTORY OF CITY DITCH

- 26-mile irrigation canal
- Capitol Hydraulic Company constructed the ditch
- Began in 1861 in a location about 4 miles upstream
- Construction restarted in 1864 and was completed in 1867



HISTORY OF CITY DITCH

- Richard Little hired to survey the ditch
 - Resurveying found that the original start of the ditch was ineffective
- City Ditch allowed for greater development in the region
- Little opened the Rough and Ready Mill and founded Littleton
 - The mill utilized the abandoned 1861 ditch



LEE GULCH FLUME

- Flumes were used to “bridge” features like gulches or side streams
- Originally constructed from wood
- Current steel structure was likely built in the 1940s
- Located in Lower Ridgewood Park – west of Prince Street and north of Saint Marys

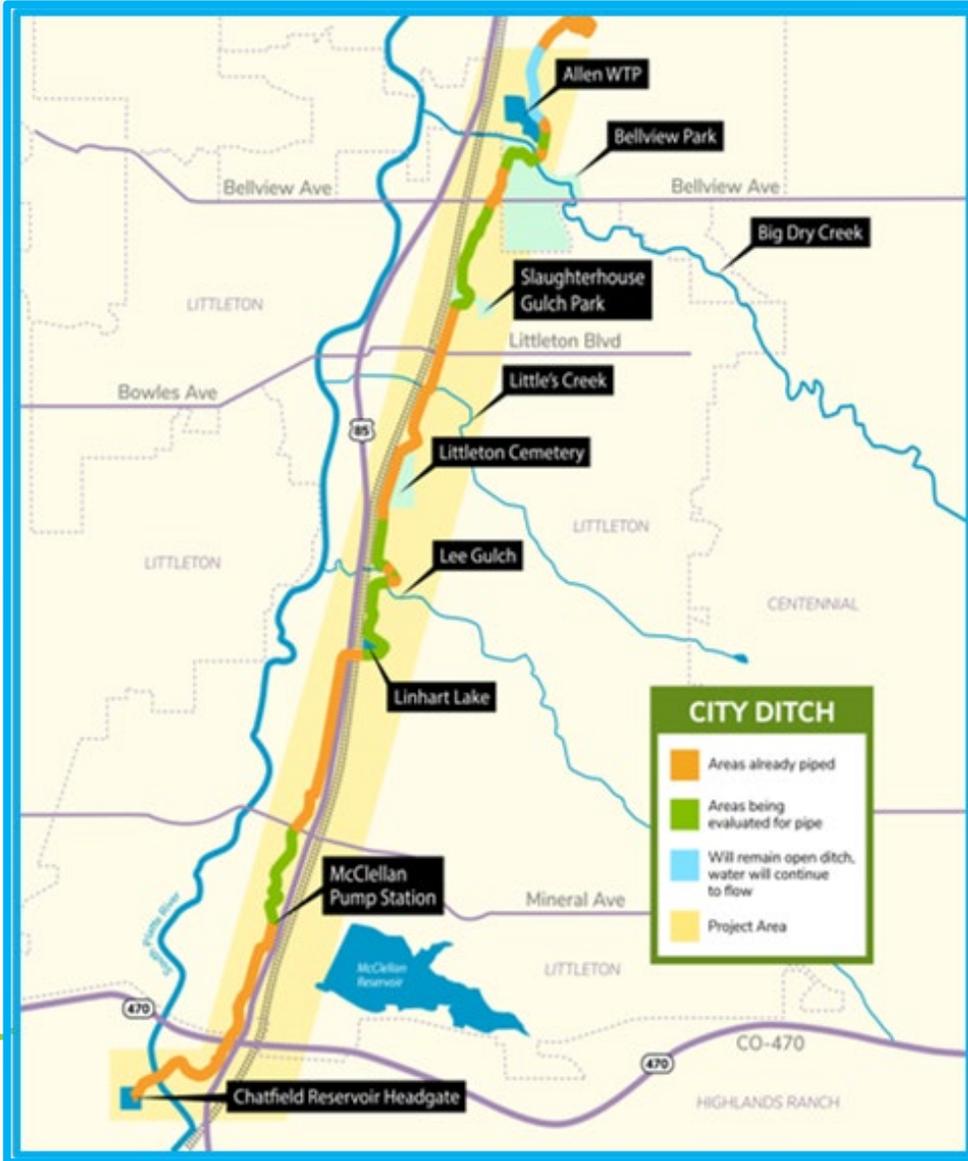


What is City Ditch?

- 150-year-old ditch built to provide water to Denver Metro area
- Englewood owns/operates from Chatfield Reservoir to Harvard Gulch Park
- Englewood's primary raw water conveyance system
- Delivers water to other users in Littleton, Englewood and Denver



Benefits of Piping City Ditch



- Four stretches to be piped (~2.5 miles)
- Benefits
 - Source Water Quality and Protection
 - Chatfield Reservoir is better quality than South Platte River at Union Ave.
 - Eliminate urban stormwater runoff into ditch
 - Contamination events: train derailment
 - Sustainability
 - Resiliency
 - Safety
 - Reduced capital investment

Project Progress Since Spring 2025

Reach 3 Resident
Communication
and Public Meeting

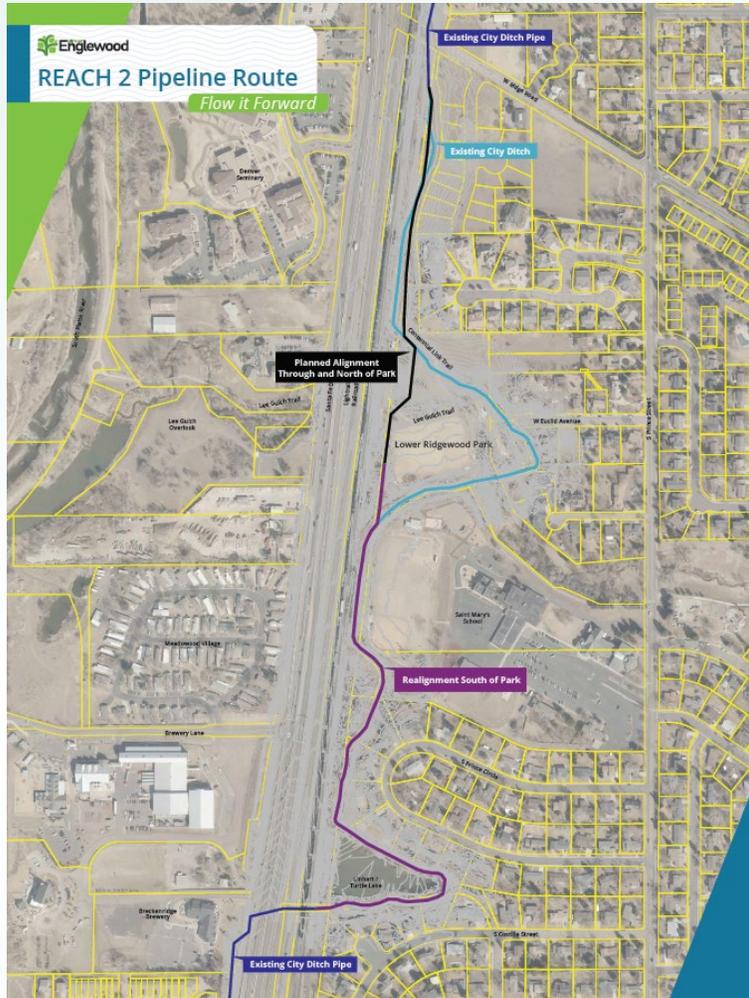
Majority of Reach 3
Pipe Installed

Reach 2 Redesign

Draft Reach 2
Agreements



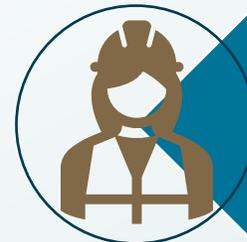
Next Steps



Littleton/Englewood approval of easements and agreements

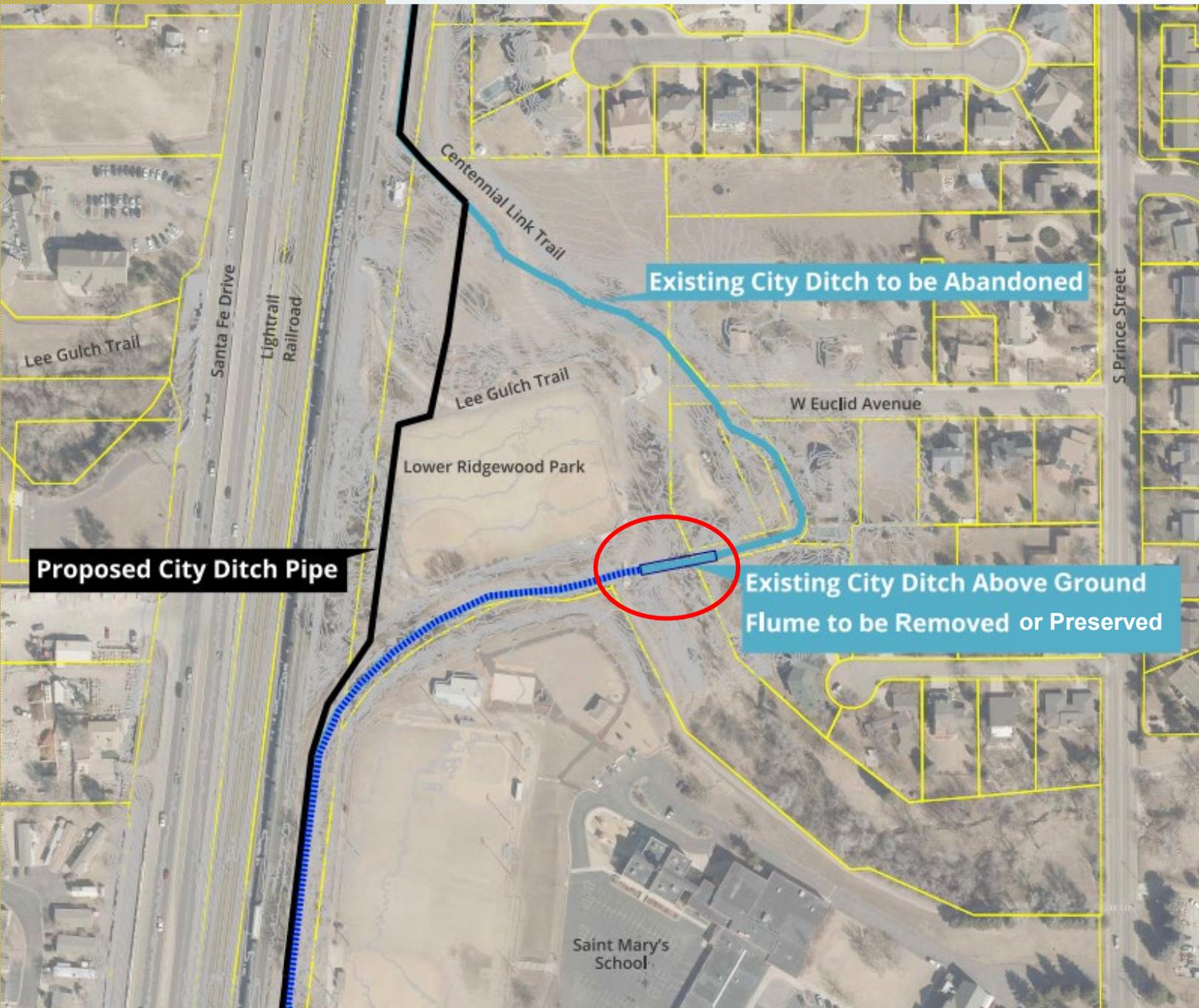


Additional stakeholder communications



Complete Reaches 2 and 3 construction

Lee Gulch



SUMMARY OF FLUME ASSESSMENTS

Lee Gulch

- Corroded / leaking deck
- Corroded steel supports
- Spalled / scaled concrete & missing anchors @ west abutment
- Exposed foundation @ Pier 5 (no undermining)
- Heavy vegetation growth



Scenario		Lee Gulch Flume		
		One time cost	Annual costs	Total 10-yr Cost
Option 1	Remove flume with Englewood project	Minimal	Minimal	Minimal
Option 2a	Stabilize in place only (no aesthetic repair)	\$19,500	\$10,000	\$119,500
Option 2b	Repair & maintain in place (fully functional)	\$300,400	\$21,200	\$512,400
Option 3a	Relocate one flume span only	\$219,200	\$2,300	\$242,200
Option 3b	Relocate truss only	\$455,800	\$4,600	\$501,800
Option 3c	Relocate full structure w/o abutments	\$597,500	\$13,800	\$735,500

CONSIDERATIONS

- Some limited grant funding may be available to stabilize / restore
- Costs to repair to be fully functional and maintain in place are high
- Concerns around safety and ongoing restoration costs if left in place
- Costs to relocate flumes are even higher and not recommended
- Any relocated structure would need to be secured for safety

HISTORIC PRESERVATION OPPORTUNITIES

1. Preservation of the ditch and flume structure in place

- Experiencing the full structure and how it connected with the ditch provides a greater understanding of its function and allows interpretation to focus on both the structure's functionality and broader history within the city and region.

2. Saving only a piece of the flume structure in place

- Provides some opportunity to understand how the structure functioned, but the full picture is missing.
- The missing sections means there is more reliance on interpretation materials to tell “the story.”

3. Saving a piece of the flume, not in its original location

- Provides an opportunity to tell the history, but the full impact and importance of the structure is greatly reduced.
- Removes the opportunity to create a historic park as an amenity for residents and visitors.

PROJECT AGREEMENTS

- Intergovernmental Agreement with Englewood
- Temporary Construction Easement
- Relinquishment and Grant of Permanent Easements

UPCOMING MILESTONES

- March 10th: Study Session with Council
- June 2nd: Agreement resolutions planned for Council
- Fall 2026: Construction starts on project
- Late Fall 2026 / Early Winter 2027: Flume structure left in place & stabilized or removed by project