

# Platte to Park Hill: STORMWATER SYSTEMS

Conceptual Design

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## GLO: Park Draft Plan



## Your Questions Answered: Globeville Landing Park Redesign

### When will the new park be built?

Construction of the natural channel at Globeville Landing Outfall will begin in the winter of 2016. Construction of Globeville Landing Park should begin late 2017, and be ready for use late 2018.

### Why is the Globeville Landing Park changing?

Globeville Landing Park was originally designed to be both a park and an "outfall" where storm water flows into the South Platte River. The current drainage channel, made of up a concrete box culvert and underground pipe, is too small to handle large water flows during major storms and does not improve the quality of the storm water before it enters the river.

### Why is the existing concrete channel being replaced with an open, naturalized channel?

Open, natural storm water drainage systems are nationally recognized as the best practice for moving storm water. Natural, open channels offer opportunities for environmental education, provides habitat for wildlife and ecosystem restoration, and improved water quality.

**Why is Globeville Landing Park being redesigned?**

During 11 months of public feedback, people have expressed a desire for playgrounds, grassy areas for pickup games such as soccer and football, gathering areas, and safety improvements. The redesigned park will increase usable active space.

**Will the amount of usable park space be altered when the new park is constructed?**

The current park has 4.1 acres of usable space. After the GLO project builds the first phase of new park there will be an estimated 4.43 acres of usable space. Additionally, after the National Western Center is redeveloped, the final phase of the new park will expand further into the proposed redeveloped parking lot, and will provide for a total of 5.4 acres of usable space.

**Do the drainage changes in Globeville Landing Park create flooding in the Globeville neighborhood (west side of the river)?**

No. The drainage improvements at Globeville Landing Park will NOT create flooding in Globeville. The GLO project is unrelated to the potential re-classification of the floodplain in Globeville. The Globeville Landing Outfall project is being certified as NOT impacting the floodplain.

**How do you safely construct in an area with environmental contamination?**

Because the Park and Coliseum property (parking lot adjacent to the park) is within the Vasquez Boulevard/I-70 Superfund site, cleanup of contaminated and/or municipal waste material will be a Removal Action performed through a Consent Agreement with the United States Environmental Protection Agency (EPA). In addition, the Colorado Department of Public Health and Environment (CDPHE) reviews and approves cleanup plans. The EPA/CDPHE approved reports can be found on Denver Environmental Health's website at the following link:

<http://www.denvergov.org/content/dam/denvergov/Portals/771/documents/EQ/EULD/Final%20Design%20Report.pdf>

The storm water channel will be protected from underlying contamination through installation of an impermeable liner. The soil and groundwater have been characterized through several subsurface investigations as a part of the site investigation. All excavated materials will be handled per the EPA-approved Materials Management Plan.

**Is the outfall being built over hazardous waste materials?**

No. The outlet structure, which includes the lateral drain boxes, drop inlet, outlet culverts and drop outlet are all founded on native soil, or bedrock.

**Will this project destabilize the buried waste materials due to the construction?**

No. The east side of the South Platte River bank will be further protected by buried rock. Additional buried rock, up to 3 feet thick, also will be located where the GLO water merges with the South Platte River.

**Will the stormwater carried by the Globeville Landing Outfall into the South Platte River increase the river's flood risk?**

No. Water from the GLO Outfall will not impact the 100-year water levels in the South Platte River. The water from GLO is already accounted for in the South Platte River floodplain. There is no additional water added to the South Platte River floodplain by the GLO outfall. The South Platte River drains a very large area at the location of the GLO outfall. The GLO outfall drains a

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much smaller area in comparison. As such, the peak of the water from the GLO outfall will be conveyed downstream before the South Platte River 100-year peak arrives.

## **How will the land within the park change?**

Changes to the land and hills within the park are necessary to construct the drainage facilities and new park features. Ultimately, this project will provide more usable recreation area within the park.

## **Will trees be removed?**

Tree removals will be necessary to flatten hills and open views across the park. The trees will be replaced, per the City's tree replacement policy. Typically, this means adding trees to achieve similar shade coverage. Trees on the northern and southern edges of the park will remain.