

ENVISION SHOOKS RUN CORRIDOR FACILITIES MASTER PLAN



FEBRUARY 14, 2017

COLORADO SPRINGS, COLORADO



FIGURE 13

C. URBAN WATERWAY SEGMENT: OPTION 1

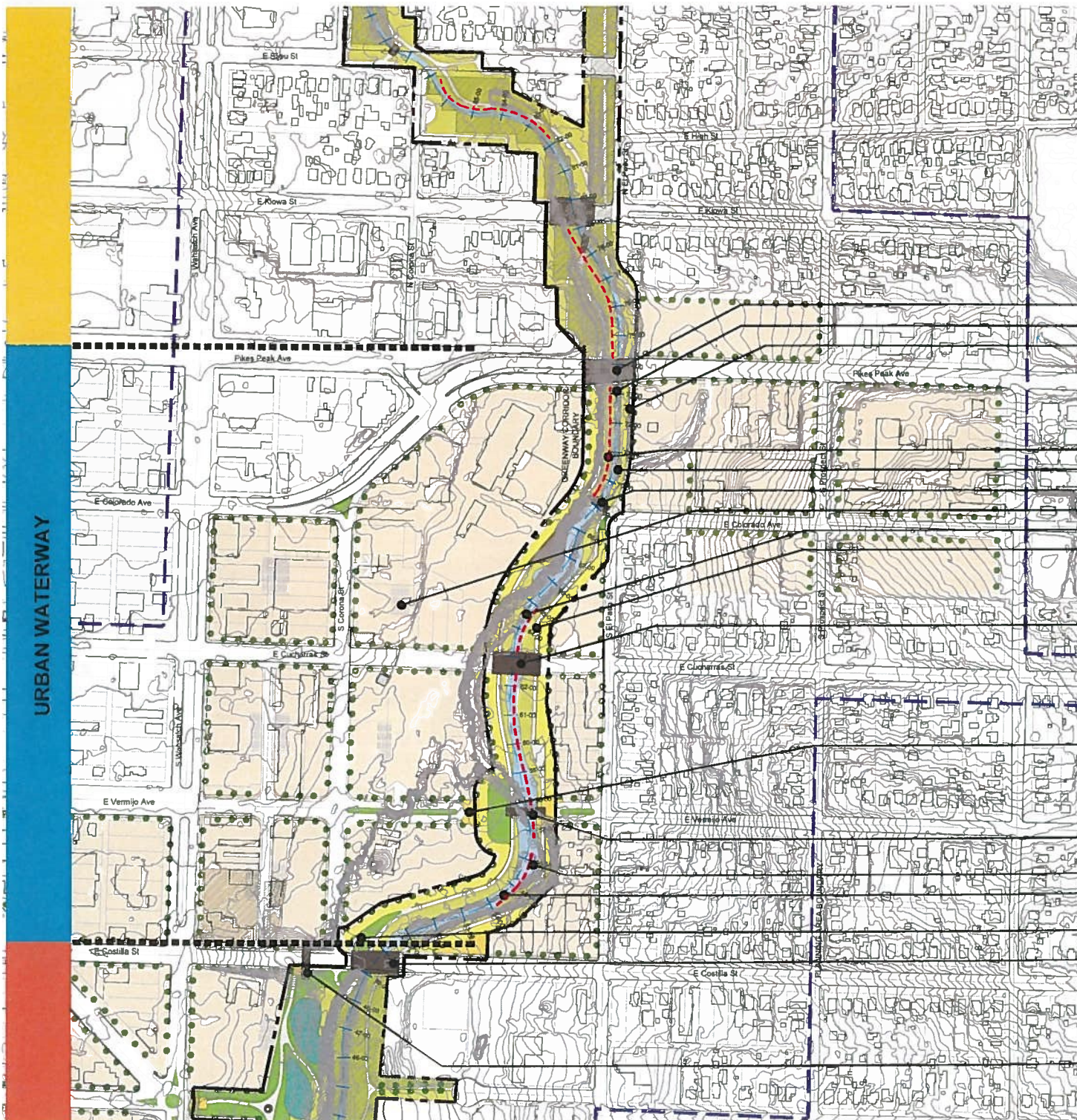
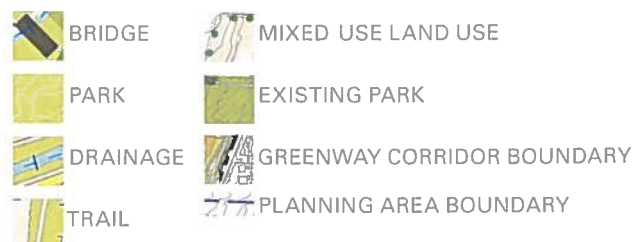


Figure 29: Detailed Segment #3 - Urban Waterway
(Option 1 this page, Option 2 next page)

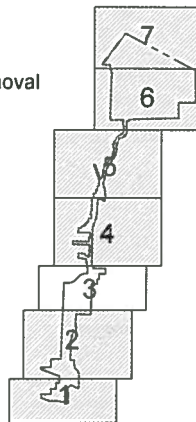
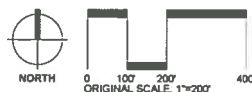


- Existing Pikes Peak Bridge to Remain
- Re-Circulating Water System
- Stream Level Pedestrian Path

- Relocated Channel
- Low Flow Channel
- E. Colorado Bike & Pedestrian Bridge
- On Site Water Quality
- Water Containment with Re-Circulation
- Urban Promenade:
 1. Lower Level Pedestrian Path - 12' Wide
 2. Retaining Walls
 3. Upper Level Pedestrian Promenade - 30' Wide
- Cucharras Street Bridge
119' Span
Bridge Level 5972'
Path Level 5953'
Stream Profile 5951'

- Vermijo Urban Space Entry:
 1. West Side Entry Plaza with Programing
 2. Upper Promenade & Green Area Overlook
 3. Upper Level Connection
 4. East Side Entry
- Landmark Promenade Level Bike & Pedestrian Bridge
Bridge Level 5958'
Relocated Channel
- Shooks Run Centerline

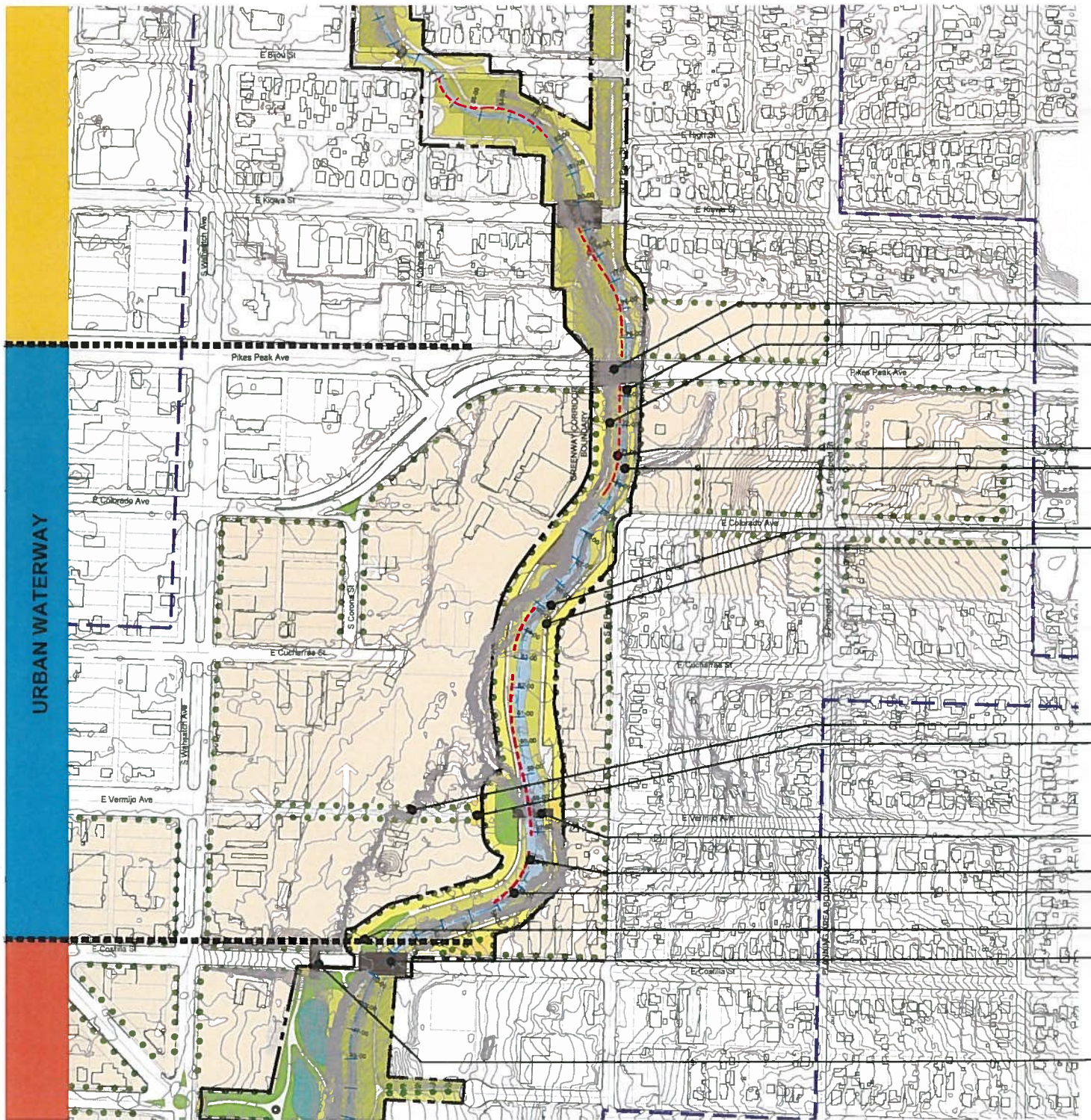
- Street Level Connection to Main Trail
- Costilla Street Bridge
118' Span
Bridge Level 5957'
Path Level 5941'
Stream Profile 5939'
- Costilla Street Railroad Bridge Removal



INFRASTRUCTURE IMPROVEMENTS

- Costilla Street bridge replacement.
- New landmark bicycle and pedestrian bridge south of Vermijo Avenue connected with the urban park that terminates at Vermijo Avenue.
- New Cucharras Street bridge.
- Removal of Costilla Street Railroad bridge.
- Colorado Avenue pedestrian/bicycle bridge.
- Retain existing Pikes Peak Avenue bridge.
- Create a feature that recirculates water in the Urban Waterway Promenade portion of the channel, in order to increase the level of water in Shooks Run.
- Continuous stream level multi-use trail with grade separated crossings.
- Street level promenade.
- Urban waterfront park.
- Landmark pedestrian bridge on E. Vermijo Avenue at street level, completing the east-west connection.
- Extension of park areas to locations of nearby mixed-use development.
- Expanded park programs and activities.
- Park trails connecting from the Shooks Run channel to surrounding neighborhoods and the downtown area.
- Shooks Run low flow channel improvements.
- Channel side-slope grading, stabilization and retaining.
- Channel realignment, including a meandering of the channel to enhance the qualities of the greenway.
- Reconstruction of the channel gradient and profile.
- Installation of various drop structures within the channel.
- Maintenance access to the Shooks Run channel.

C. URBAN WATERWAY SEGMENT: OPTION 2



URBAN WATERWAY OPTIONS

For the portion of the segment associated with the Catalyst Campus and Transit Mix sites, two alternative options are depicted (Option 1, p. 70; Option 2, facing page).

The primary option maximizes multimodal public access through and across the existing Transit Mix site, including a public street crossing at Cucharras Street and the extension of South Corona Street, to fully develop the street grid west of Shooks Run and south of Pikes Peak Avenue.

The second option (depicted on the facing page) does not include the crossing at Cucharras Street and allows for less of a public urban street grid west of the creek in this area. The purpose of this alternative is to accommodate redevelopment of the larger site as an integrated "campus style" project.

The treatment of the creek and channel area is the same in either of the depicted options.

Depending on the nature of the redevelopment, a hybrid of these two options may be most desirable. In all cases, high quality public access to the creek corridor should be maintained. Visual and physical connectivity with the creek and surrounding greenway area should be encouraged.

Public access to the greenway area is essential to the future redevelopment of the corridor, as bike and pedestrian routes are needed to create east-west connections and provide prominent access points to the greenway.

- Existing Pikes Peak Bridge to Remain
- Re-Circulating Water System
- Stream Level Pedestrian Path

- Relocated Channel
- Low Flow Channel

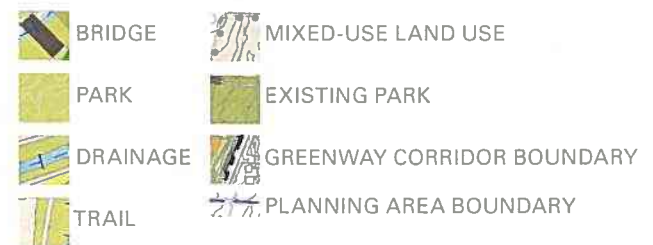
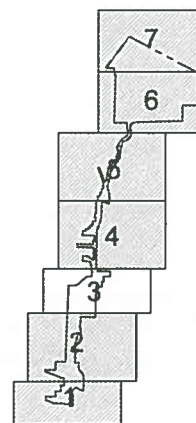
- Water Containment with Re-Circulation
- Urban Promenade:
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 2. Retaining Walls
 3. Upper Level Pedestrian Promenade - 30' Wi

- Bike & Pedestrian Connection to Downtown
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TRANSPORTATION

As redevelopment moves forward, the plan recommends the eventual reconnection of Cucharras Street across the Transit Mix property, from Corona Street to El Paso Street. This street corridor would logically serve as a key bike and pedestrian corridor, linking downtown with areas to the east. It provides a direct connection from Memorial Park to important downtown destinations and can also serve as a connection across the Shooks Run Corridor between different areas of mixed-use development.

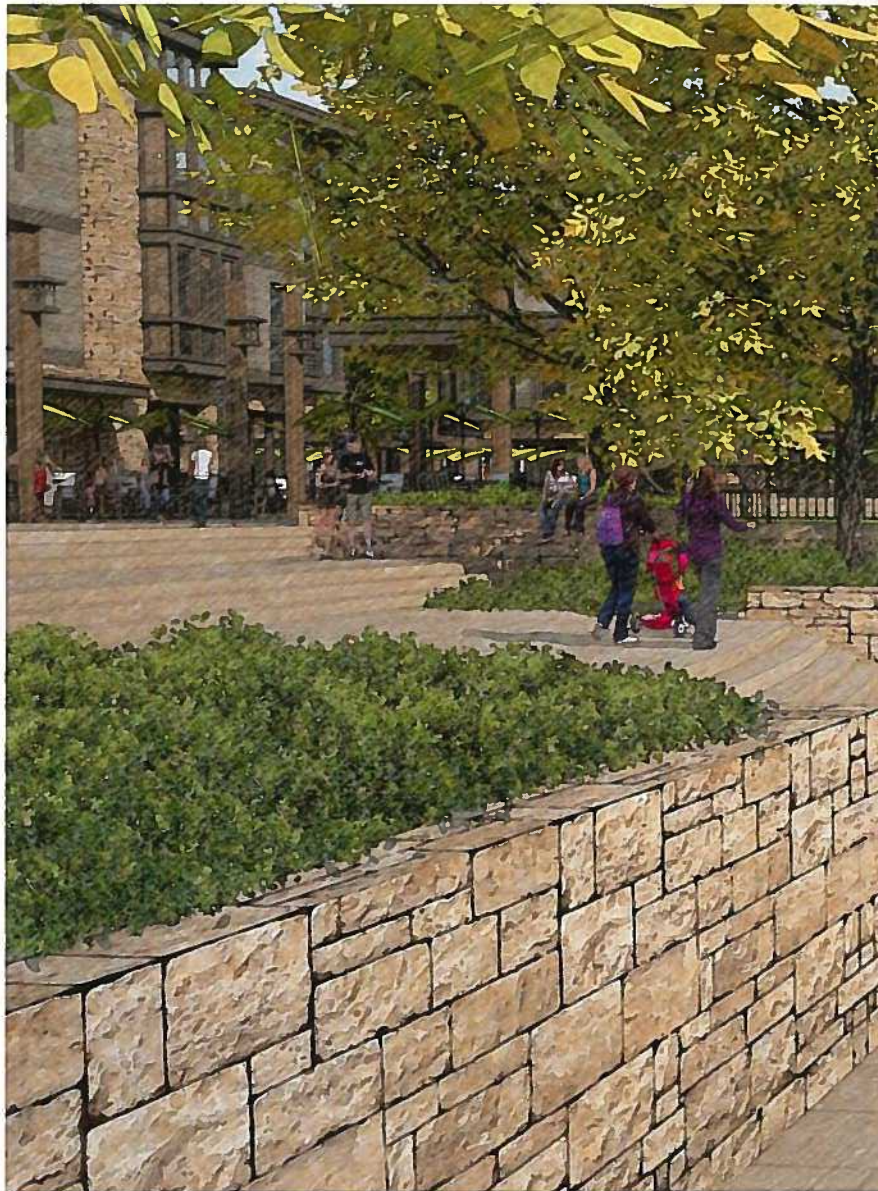
Enhancements to Vermijo Street in the vicinity of the Transit Mix site are detailed on page 70. These include attractive streetscapes to facilitate redevelopment of this area.

The critical elements of the improved Vermijo, Cucharras, and Costilla Street corridors will create east-west connections and tie new development to the features of the Legacy Loop. Together, these streets will link the Midland Trail, America the Beautiful Park, the Olympic Museum and the Shooks Run Corridor to the Olympic Velodrome in Memorial Park, creating an energetic series of east-west connections to the downtown area.

The establishment of a bicycle and pedestrian connection from the Catalyst Campus to the Shooks Run channel to the south and east is also anticipated.

INTERACTION WITH NEW DEVELOPMENT

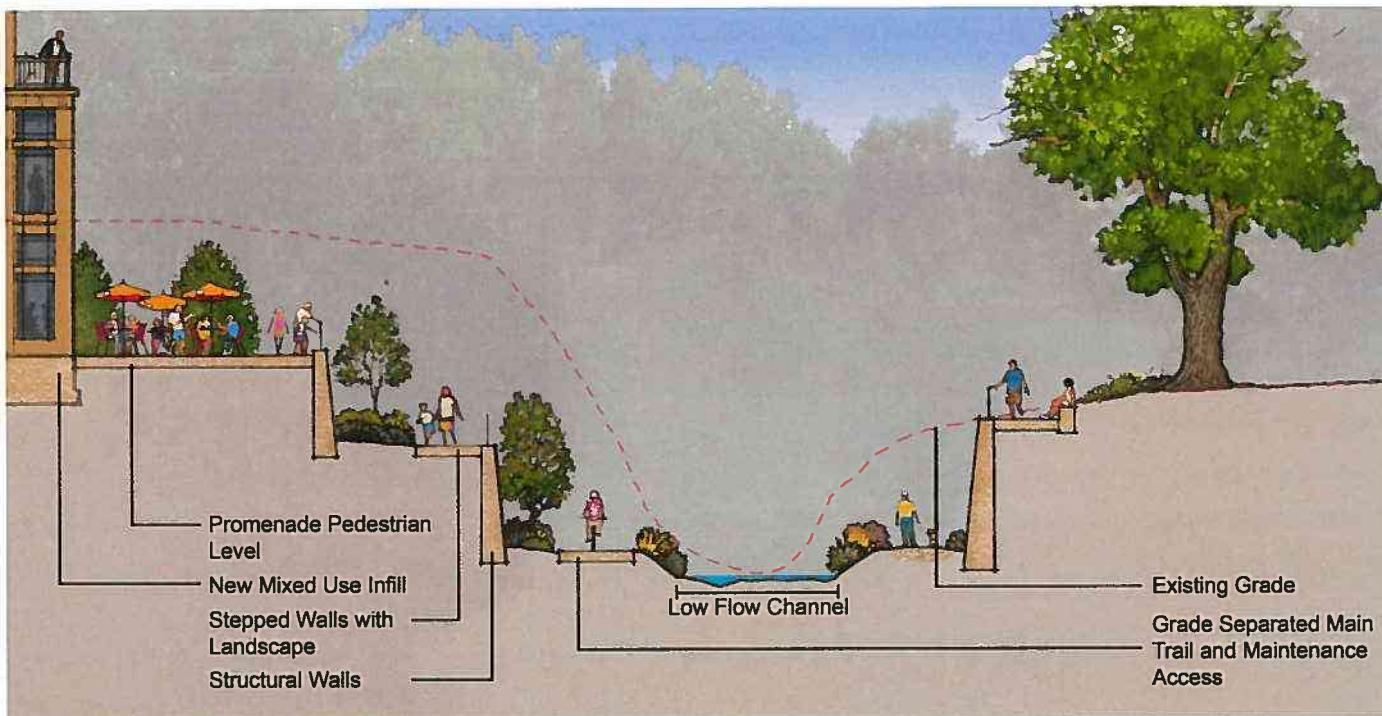
This section of the corridor provides the greatest opportunities for engagement and interaction between the channel and surrounding areas of new development. The plan anticipates that the Transit Mix property will be redeveloped into a variety of mixed-use development types. In addition, the construction of the Catalyst Campus and potential mixed-use development on the Gazette/St. Francis Campus will provide opportunities to tie the features of the Shooks Run Greenway with surrounding areas of new development.



Urban waterways have been successful generators of activity, vibrancy and attraction and offer a multitude of recreation activities.



An urban promenade along the water course will connect downtown immediately with the Shooks Run Channel.



PROTOTYPICAL CHANNEL FROM COSTILLA STREET TO PIKES PEAK AVENUE

- Recirculation of channel water
- Drop structures to establish desired gradient
- Structural walls to retain urban channel
- Promenade pedestrian circulation with new mixed-use
- Main trail at stream level

URBAN STREET GRID EXTENSION

In addition to the reconnection of Cucharras Street, the completion of an urban grid of streets to the west of the Shooks Run channel, to provide a more cohesive framework for mixed-use development, is anticipated. Corona Street would connect to the south, intersecting Costilla Street, and would be classified as a Significant Residential Street. Vermijo Street would extend to the east, serving mixed-use developments in the area.

URBAN PROMENADE

Creating an urban promenade that includes a narrower greenway through the Urban Waterway area will help accommodate surrounding mixed-use development.

The plan envisions a series of promenades along both sides of the channel, along with public gathering plazas, that would connect directly to the water and surrounding areas of mixed-use development.

A shift of the Shooks Run channel to the west, within the Transit Mix area is proposed, in order to provide sufficient areas of land for redevelopment to the east, between the channel and El Paso Street.



Urban promenades, like the Pier in Philadelphia, define city district edges and reconnect people with the natural drainages of the places they inhabit.



An urban promenade is the nexus between the natural environment of the stream and the downtown area. It becomes a catalyst to encourage new land uses along this edge downtown Colorado Springs.