CONCEPT 1: ARCHITECTURAL

VIEW B: From corner of Warren and Lowell

VIEW A: Bird’s-eye looking North

VIEW C: Perspective looking South

COMMUNITY WATER QUALITY PROJECT
LOWELL & EVANS
CONCEPT 2: RADIAL AGRARIAN

VIEW B: From corner of Warren and Lowell

VIEW A: Bird’s-eye looking North

VIEW C: Perspective looking South
CONCEPT 3: CASCADING RINGS

VIEW A: Bird’s-eye looking North
VIEW B: From corner of Warren and Lowell
VIEW C: Perspective looking South

COMMUNITY WATER QUALITY PROJECT
LOWELL & EVANS

Public Meeting
April 10, 2018
UNDERSTANDING URBAN STORMWATER

COMMON SOURCES OF POLLUTANTS FOUND IN URBAN STORMWATER:
- Fertilizers
- Litter
- Pet-waste
- Dumpsters
- Vehicle exhaust, brake pads, automotive fluids, etc.

COMMON POLLUTANTS FOUND IN URBAN STORMWATER:
- Bacteria
- Trash
- Nutrients
- Metals
- Other

IMPACTS OF POLLUTED STORMWATER:
- PUBLIC HEALTH: E.coli levels in Denver’s streams and river often exceed swimmable beach standards set by the EPA.
- ENVIRONMENT: Water quality in most of the streams in Denver is not sufficient to support a healthy and diverse population of aquatic wildlife.

WHY GREEN INFRASTRUCTURE:
- ECONOMIC
  - Cost effective approach to stormwater management that meets multiple goals
  - Increased property values
  - Increased building efficiency and reduced energy costs

- QUALITY OF LIFE
  - Increased resiliency Denver’s neighborhoods
  - Enhanced recreational corridors
  - Healthier, greener neighborhood connections
  - Educational opportunities

- ENVIRONMENT
  - Healthier South Platte River, streams, gulches and lakes
  - Improved aquatic and terrestrial habitat
  - Better air quality
  - Reduced urban heat island effect

COMMUNITY WATER QUALITY PROJECT
LOWELL & EVANS

Public Meeting
April 10, 2018
HOW DOES GREEN INFRASTRUCTURE WORK?

Green infrastructure plays an important role in providing treatment to stormwater runoff before it is conveyed to our streams and rivers. By directing stormwater runoff through a vegetated green infrastructure facility, pollutants are removed as stormwater filters through plant material and soil. Without green infrastructure, most stormwater runoff is conveyed directly from the surface of our roads to the pipes in our storm drainage system which release directly into our streams and rivers, carrying with it pollutants and debris.

PROJECT SUMMARY

PROJECT TIMELINE:

- **1ST PUBLIC MEETING**: August 17, 2017
- **2ND PUBLIC MEETING**: October 28, 2017
- **3RD PUBLIC MEETING**: April 10, 2018
- **FEASIBILITY ANALYSIS**
- **DESIGN COMPLETE** (Fall 2018)
- **CONSTRUCTION COMPLETE** (Summer 2019)

COMMUNITY FEEDBACK:

**SAFETY**: A core concern for many residents. Ideas for addressing safety include:
- limiting benches/places to sit so that the facility encourages people to pass through or stop briefly, but not stay for extended periods of time
- maintain visibility across the facility which will minimize places people can hide and ensure facility does not become an issue for vehicle traffic along Lowell, Warren and Evans
- buffer the sidewalk from the traffic with vegetation
- minimize spaces for tagging and vandalism
- add lighting, if feasible

**WILDLIFE**: Concern that the facility will attract more wildlife to the area that may pose threat to domestic animals

**PARKING**: Residents want to ensure some parking is maintained along the facility but are ok with losing some parking spaces

**EDUCATION & INTERPRETIVE SIGNAGE**: Strong interest in adding an educational component that explains value of the facility to the community and highlights local history
- interest in adding public art that could be part of educational/historical signage

**MAINTENANCE**: Strong desire to ensure a maintenance plan is in place, especially to help with trash removal
- recommend adding trash receptacles

**VEGETATION**:
- **Type**: prefer native and pollinator plant species
- **Planting Pattern**: prefer plants look more organized/geometric than ‘wild’

COMMUNITY WATER QUALITY PROJECT
LOWELL & EVANS

Public Meeting
April 10, 2018
PLANTING & MATERIALS IMAGES

PLANTING

WETLAND/WATER QUALITY

Naturalistic

Orderly

Combination

PERIMETER LANDSCAPE

Native plants and flowers for pollinators

Edge screening

Tree lawn

Ornamental grasses

Grasscrete

WALLS & HARDSCAPE

Geometric concrete forms

Walls embedded in slopes

Corten steel edgers

Forebay

SEATING

Seating boulders

Traditional bench

Seat-wall

COMMUNITY WATER QUALITY PROJECT
LOWELL & EVANS

Public Meeting
April 10, 2018