TYPICAL APPROACH
BUILDING A COLLABORATIVE APPROACH

GRAY INFRASTRUCTURE
GREEN INFRASTRUCTURE
COMMUNITY COLLABORATION
PLACEMAKING & URBAN DESIGN
1. Understand the basin’s history and built environment and relevance to local flooding issues

2. Listen and understand community values

3. Enable community conversations around alternatives

4. Identify a toolbox of solutions/strategies

5. Foster community support, ownership and participation
WE ALL HAVE A ROLE
SIGNIFICANT FLOODING LOCATIONS

Significant Flooding Locations – Denver PW
TOPOGRAPHY AND INUNDATION AREAS

ELEVATION:
LOW  [Color Gradient]  HIGH
HISTORY OF A PAST CREEK

Geologic Map of Greater Denver Area, 1979 – USGS via Enginuity
Denver Aerial Imagery, 2015 – NearMap

TODAY

WATER FLOW

Holly St
Kearney St
Colfax Ave
Monaco Pkwy
49% of the basin is impervious
Westerly Creek
UPPER MONTCLAIR STORMWATER STUDY
COMMUNITY-DRIVEN INVESTIGATIONS

POLICIES

PARTNERSHIP

PROJECTS
HALE PARKWAY – TODAY’S CONDITION
COMMUNITY VOICES

- Slower speeds, calmer traffic, more pedestrian crossings Hale Parkway to access Lindsley Park and 9CO development amenities
- Continuous pedestrian facilities along Hale Pkwy
- Concern over traffic congestion near Colorado Blvd
- Maintain Lindsley Park “as is”
- Limit / discourage neighborhood traffic “cut-throughs”
- More green spaces for walking and jogging
- Keep a healthy tree canopy
GOALS

PRIMARY GOALS

- Alleviate flooding
- Improve water quality

COMPLEMENTARY NEIGHBORHOOD GOALS

- Maintain tree canopy along Hale
- Increase pedestrian & bike connectivity
- Manage future traffic on Hale (and surrounding streets)
- Seek solutions with multiple community benefits
- Improve & preserve neighborhood green space
- Preserve Lindsley Park & its recreational uses
All Pipe Approach  Hybrid Approach—part pipe/part channel  All Channel Approach
All Pipe Approach  Hybrid Approach—part pipe/part channel  All Channel Approach
RANGE OF CONCEPTS EXPLORED WITH COMMUNITY

WATER QUALITY ALONG SIDEWALK

NORTH-SIDE GREENWAY FOR CONVEYANCE and WATER QUALITY

WATER QUALITY WITHIN MEDIAN

LINEAR PARK FOR CONVEYANCE AND WATER QUALITY
COMMUNITY FEEDBACK SUMMARY

- **A** Water Quality Sidewalk
- **B** Water Quality Median
- **C** Water Quality Northside
- **D** Water Quality Median/Northside
- **E** Northside Greenway
- **F** Northside Linear Park

**NO WAY, NO HOW**  **SKEPTICAL**  **INTERESTED, CONCERNED**  **EAGER**  **LOVE IT!**
concept design
100-YEAR DESIGN FLOW

- **2300 cfs (100 YR)** near the intersection of 12TH AVE and 11TH AVE.
- **2050 cfs (100 YR)** near the intersection of 13TH AVE and 12TH AVE.
- **1900 cfs (100 YR)** near the intersection of 8TH AVE and 9TH AVE.

**Elevation**

- LOW: 5300ft
- HIGH: 5350ft

**Locations**
- Palmer Elementary
- Christ the King Catholic School
- VA Medical Center
- 9-CO Mixed Use Development (2018)
• Design Goal: 100-year event

• Potential Conveyance
  1. Existing 78” pipe (428 cfs)
  2. Proposed 120” pipe, or rough equivalent (1000 cfs) - available underground capacity of future downstream system (Jackson Street Storm)
  3. Greenway to handle remaining cfs needed (appx. 877 cfs)

• Future goal of serving the Severn/Jersey Sump with the underground pipe (up to 1000 cfs)
HALE PARKWAY | TRANSPORTATION

20’ Pedestrian Zone

32-40’ Roadway

80-90’ Linear Stormwater Park

150’ R.O.W

Traffic
Parking
THANK YOU!