EAST AREA PLAN

Steering Committee Meeting

August 23, 2017
6:00PM – 8:00PM

Art Gym Denver

Area: 4.55 square miles
Population: 33,082 people
Housing units: 15,533 units
<table>
<thead>
<tr>
<th>Time</th>
<th>Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00-6:05</td>
<td>Approval of July 26th Meeting Summary</td>
</tr>
<tr>
<td>6:05-6:55</td>
<td>Overview of Important City Projects:</td>
</tr>
<tr>
<td></td>
<td>• Blueprint Denver</td>
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<tr>
<td></td>
<td>• Comprehensive Housing Plan</td>
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<tr>
<td></td>
<td>• Green Infrastructure Implementation Strategy</td>
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<tr>
<td></td>
<td>• Upper Montclair Basin Stormwater Study</td>
</tr>
<tr>
<td>6:55-7:00</td>
<td>Steering Committee Time and Date</td>
</tr>
<tr>
<td>7:00-7:10</td>
<td>Online Survey Discussion</td>
</tr>
<tr>
<td>7:10-7:40</td>
<td>Targeted Community Engagement Activities</td>
</tr>
<tr>
<td>7:40-8:00</td>
<td>Targeted Community Engagement Discussion</td>
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</tbody>
</table>
Four Plans Working Together to Make One City

**Denverright.**
Parks Game Plan

**Denverright.**
Denver Moves: Transit

**Denverright.**
Blueprint Denver

**Denverright.**
Denver Moves: Pedestrians & Trails
Denveright Vision Elements

The Vision for Denveright is:

- Equitable, Affordable and Inclusive
- Economically Diverse and Vibrant
- Strong and Authentic Neighborhoods
- Well Connected, Safe and Accessible Places
- Healthy and Active
- Environmentally Resilient
What is Blueprint Denver?

• “Big Picture” view on how our community values inform how a future Denver looks, feels, and functions

• Establishes **policy direction** on land use, transportation and urban design

• **Strategy** for future growth
CITY AND COUNTY OF DENVER

Blueprint Denver Update

planning schedule

SUMMER 2016
PHASE 1: KICK-OFF

FALL 2016 - WINTER 2017
PHASE 2: ANALYSIS AND GOAL SETTING

SPRING 2017 - FALL 2017
PHASE 3: RECOMMENDATIONS, DRAFT MAPS AND DRAFT TEXT

SPRING 2018
PHASE 4: DOCUMENTATION AND ADOPTION

Iterative feedback loop

Iterative feedback loop
Blueprint Process – Phase 3 & 4

How could we grow?
How does the community want to grow and change?
What is our collective vision for the City?
What are policies help realize the vision?
What is preferred policy?

RapidFire Scenarios
Growth Strategy Game
Preferred Growth Scenario
Preliminary Tools and Strategies
Preferred Tools and Strategies

Spring and Summer
Fall
Winter and Spring
Blueprint Denver: What’s coming next?

- September/October Community Engagement Window:
  - Emerging Plan Direction
  - Building Blocks and Place Types
  - Preliminary Draft Mapping
    - Five September Workshops
    - Online: www.denvergov.org/denveright
Help us lay a new Blueprint for Denver.

We heard from you on how Denver should grow. Now we’re putting some of those ideas to the test and we need your input. Review draft maps, share your thoughts, and continue to shape the future of our city.

Visit one of the Blueprint Denver Community Workshops!

**NE**
September 13th at 5:30pm. Maxwell Elementary School, 14390 Bolling Drive.

**SE**
September 14th at 5:30pm. University of Denver, Anderson Academic Commons, 2150 E. Evans Avenue.

**SW**
September 19th at 5:30pm. Doull Elementary School, 2520 S. Utica Street.

**NW**
September 20th at 5:30pm. Scheitler Recreation Center, 5031 W. 46th Avenue.

**C**
September 21st at 5:30pm. East High School, 1600 City Park Esplanade.

All workshops will include child care, snacks, and Spanish language interpretation.

denvergov.org/denverright
Denver Comprehensive Housing Plan
East Area Plan Steering Committee Update
August 23, 2017
Housing Plan will integrate feedback from stakeholders, public and Denver’s Housing Advisory Committee to:

- Set housing production and preservation goals across income spectrum
- Recommend policy strategies to integrate housing with health and jobs to support individuals in affordable homes
- Inform housing budget recommendations
A “community of opportunity” is one that provides healthy, affordable, and appropriate housing, ample transportation options and mobility, and supportive community resources for all residents.
Addressing these tensions across neighborhoods, housing types, and the income spectrum also requires the City to find a balance between outputs and outcomes.

With this balance, we are focused on serving individuals and families and stabilizing neighborhoods.
OUTLINE: Five-Year Action Plan

1. Introduction (including connections to other planning efforts)
2. Existing and future conditions
3. Guiding principles
   • Connectivity between housing and other affordability investments
   • Focus on serving vulnerable populations
   • Focus on creating inclusive communities and promoting economic mobility
4. Citywide Legislative and Regulatory Priorities
5. Strategies for land for future development
6. Strategies for those living without homes
7. Strategies for rental housing
8. Strategies for homeownership
9. Implementation
   • Intended outcomes
   • Implementation table
5 Year Strategic Framework: Goals, Policies, Strategies, Targets

**Strategies to Create**

- Create new homeownership opportunities
- Create new rental opportunities
- Build mixed-income and mixed-use developments
- Acquire land for affordable housing development
- Buy down affordability of existing market-rate rental units

**Strategies to Preserve**

- Preserve affordability of unsubsidized small-scale rental properties
- Preserve affordability of unsubsidized large-scale rental properties
- Preserve affordability of existing income-restricted rental properties
- Preserve affordability of existing homeownership (e.g., Land Trust)
- Increase availability of financial assistance to help families maintain existing rental housing
- Increase availability of financial assistance to help families maintain existing for-sale housing

**Strategies to Assist***

- Add additional permanent supportive housing (PSH) and rapid re-housing (RRH)
- Target housing resources to “right size” interventions
- Build housing capacity through policy and funding alignment
- Expand “gap” supportive services for permanent housing
- Establish outcome metrics and fidelity standards to evaluate performance of the homeless delivery system

*persons experiencing homelessness*
Housing Plan Action and Investment

- August/September 2017 – Housing Advisory Committee to review Housing Plan, public review draft available for comment

- *City seeking extension to October 1, 2017 to submit Plan to Council*
  - Housing Plan will inform the housing budget for 2018

- November/December 2017 – City Council to finalize the 2018 Budget
Questions/Discussion
The Problem

Over **1200** Total Outfalls
- **300+** Outfalls into Cherry Creek
- **300+** Outfalls into South Platte

**13%** of Denver’s 98,900+ acres receive water quality treatment

Denver’s Streams:
- **0/10** meet recreation standards
- **7/10** suitable for aquatic life

*2016 Water Quality Report, Denver Dept. of Environmental Health*
More Density = More Impervious Area

47% of Denver* is currently covered in impervious surfaces
Source: DRCOG LiDAR Data

57% of Denver* is projected to have impervious cover by 2020 based on future land use
Source: CCD Drainage Master Plan, 2014
Projected land-use change on Blueprint Denver, 2002
Current and Changing Regulations

**CURRENT:** Dry Weather
- 6 (of original 11) outfalls out of compliance for dry weather discharges of *E.coli*
  - 2020 to correct

**FUTURE:** Dry + Wet Weather
- CCD would not meet anticipated new standards with existing conditions
  - *E.coli* & Nutrients
  - Potential for 1200 outfalls vs 11
  - Could begin as early as 2018

**CURRENT REGULATIONS**

**FUTURE REGULATIONS**

*Dry weather discharges*

*Wet weather discharges*
Green Infrastructure Planning

**Objectives**

1. **Data Driven**: Prioritize basins with greatest WQ needs based on data
2. **Strategic Prioritization**: Identify large & site-scale GI projects by using “Scorecard” criteria
3. **Proactive**: Address wet and dry weather discharges
4. **Meet Multiple City Goals**: Work with other city agencies to maximize collaboration opportunities & ‘OPM’

### Primary Category

<table>
<thead>
<tr>
<th>Metric</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td><strong>Existing TMDL</strong></td>
<td>Is drainage basin directly to the SPR &amp; existing TMDL (126 cfu/ml)</td>
</tr>
<tr>
<td><strong>303(d) listed waterbody</strong></td>
<td>Does drainage basin contain a water body listed on the 303(d) list (impaired waterway)</td>
</tr>
<tr>
<td><strong>Wet weather pollutant loading</strong></td>
<td>Average annual pollutant load per land use for wet weather</td>
</tr>
<tr>
<td><strong>Dry weather pollutant loading</strong></td>
<td>Average annual dry weather pollutant load per area</td>
</tr>
<tr>
<td><strong>Disconnected Impervious Area</strong></td>
<td>Density of storm drain network (higher indicates greater need for WQ)</td>
</tr>
<tr>
<td><strong>Redevelopment Potential</strong></td>
<td>Per Blueprint (new development over 1 acre requires WQ)</td>
</tr>
<tr>
<td><strong>Impervious Area within the ROW</strong></td>
<td>Amount of ROW divided by total basin area (streets largest contributor of pollutants)</td>
</tr>
<tr>
<td><strong>Existing Treatment</strong></td>
<td>Amount of treatment expected by existing WQ facilities</td>
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</table>

### Secondary Category

<table>
<thead>
<tr>
<th>Metric</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td><strong>Park Density</strong></td>
<td>Ratio of park per 10,000 persons</td>
</tr>
<tr>
<td><strong>Economics</strong></td>
<td>% of persons in low to moderate income level (HUD defined)</td>
</tr>
<tr>
<td><strong>Green-ness</strong></td>
<td>Ratio of total tree canopy coverage divided by basin area</td>
</tr>
<tr>
<td><strong>Heat Island Effect</strong></td>
<td>Measure of heat energy absorbed by urban materials</td>
</tr>
<tr>
<td><strong>Transportation Pollutant Index</strong></td>
<td>Total vehicle miles traveled</td>
</tr>
</tbody>
</table>
Green Infrastructure Planning

Opportunity Types:

- **Sub/Regional Scale Projects**
  - Parcels
  - Treat large tributary areas

- **Site-Scale Projects**
  - Right-of-Way/Streets
  - Local treatment
Sub/Regional Scale Projects

Site-Scale Projects
Benefits of Green Infrastructure

- Improve water quality
- Reduce flood risks
- Reduce Urban Heat Island effect
- Improve air quality
- Absorb local carbon emissions
- Improve public health outcomes
  - Increase physical activity
  - Improve mental wellbeing
  - Reduce stress
  - Lower traffic speeds and reduce injury crashes
- Improve property values
Questions?

Ashlee Grace
Water Quality Planner
Policy, Planning and Sustainability | Public Works
City and County of Denver

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720.865.3131
STUDY AREA

UPPER MONTCLAIR BASIN

LOWER MONTCLAIR BASIN

PARK HILL BASIN

CITY PARK

17TH AVE

COLFAX AVE

6TH AVE PKWY

ALAMEDA AVE

FAIRMOUNT CEMETARY

DENVER CC

CHEESMAN PARK

CRESTMOOR PARK

LOWRY SPORTS COMPLEX PARK

UNIVERSITY BLVD

QUEBEC ST

STAPLETON GREENWAY

MONACO PKWY
PHOTOS

July 2011 – Denver PW

1632 CLERMONT
RE-THINKING OUR APPROACH

Resiliency Planning, Education and Outreach
TYPICAL APPROACH
COLLABORATIVE APPROACH

GREY INFRASTRUCTURE

COMMUNITY

PLANNING & URBAN DESIGN

GREEN INFRASTRUCTURE
1) Understand the basin’s built environment and relevance to local flooding issues

2) Identify a toolbox of green and grey solutions, policies, programs

3) Enable community conversations around options

4) Foster community support and ownership of solutions
A RESILIENT COMMUNITY

Ability of communities to rebound, adapt to or thrive amidst changing conditions and challenges – Colorado Resiliency Framework, 2015
HISTORY OF A PAST CREEK
WATER FLOW

Basin Elevation - USGS

ELEVATION: LOW          HIGH
BUILT, URBAN ENVIRONMENT

All Building Structures, 2014 – Denver Open Data
UPPER MONTCLAIR BASIN
IMPERVIOUS SURFACES

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Category</th>
<th>Acres</th>
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<tbody>
<tr>
<td>19.8%</td>
<td>ROOFTOPS</td>
<td>752</td>
</tr>
<tr>
<td>19.0%</td>
<td>STREETS &amp; ALLEYS</td>
<td>726</td>
</tr>
<tr>
<td>3.9%</td>
<td>SURFACE PARKING</td>
<td>149</td>
</tr>
<tr>
<td>3.5%</td>
<td>DRIVEWAYS</td>
<td>139</td>
</tr>
<tr>
<td>2.9%</td>
<td>SIDEWALKS</td>
<td>113</td>
</tr>
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100 YR FLOOD MODEL
STUDY AREA CHARACTERISTICS

Existing Land Use – Denver Open Data
The first priority is to provide the capability to move, or convey, the storm water safely away from people and property.

This is traditionally achieved through curb and gutters, streets, underground pipes, and channelized flow (ditch, canal, creek, river).
NOTES:
- 85,087 LF of proposed large diameter pipe (13.2 miles)
- 3,107 million for 2-year capacity
- 14th & Jasmine:
  - Existing pipe = 48" Brick, 648 cfs capacity
  - Q2 = 278 cfs
  - Q100 = 450 cfs
  - 118" RCCP
  - 1200 = 1,890 cfs
- Seward & Jersey:
  - Existing pipe = 54" RCCP, 1044 cfs capacity
  - Q2 = 185 cfs
  - Q100 = 394 cfs = 20" RCCP and 80" RCCP (two pipes)
  - Q100 = 1,316 cfs

MONTCAL TRANSFERS WORKMAP
UPPER MONTCAL TRANSFERS WORKMAP

LEGEND

Maximum Fixed Depth:
- 0' - 6'
- 6' - 12'
- 1' - 1.5'
- 1.5' - 2'
- 2' - 3.5'
- 3.5' - 6'
- 6' - 8'
- 8'

*Based on 10- and 25-foot FLO-2D computational grids

Features:
- Horz. Diam. 6 - 18 in.
- Horz. Diam. 18 - 30 in.
- Horz. Diam. 30 - 48 in.
- Horz. Diam. 48 - 60 in.
- Horz. Diam. 60 - 72 in.
- Major Drainage Basins
- Proposed Pipes

INFRASTRUCTURE
Typically, acceptable flood control cannot be achieved by conveyance only; it is necessary to build detention capacity.

Detention structures safely accumulate storm water runoff until the storm event subsides and downstream conveyance structures can manage the flow.
COMMUNITY WORKSHOPS ROUND 1

MONTVIEW PRESBYTERIAN
FEBRUARY 23

PALMER ELEMENTARY
MARCH 1

THE ART GYM
MARCH 2
Community Driven Investigations
NEXT STEPS

Community Driven Investigations
Community Stormwater Resources

- Flood Proofing Resources (Kevin Lewis)
- Flood Insurance (Jeremy Hamer)
- Educational Handouts (Public Health and GI, Tree Lawn)
- CU Boulder Student Research and Demonstration Projects
16th Avenue Green Streets

- Discussion of current issues from homeowners along 16th / Batavia
- Presentation and Q&A: Toolbox of Green Infrastructure
- ‘Virtual Tour’ along 16th / Batavia
- Discussion of Community Concerns and Community Priorities when implementing green infrastructure solutions
16th Avenue Green Streets – Top Community Wants

1. Green Streets
2. Green Alleys
3. Rain Gardens / Other ‘Demonstration’ Projects
4. Individual Property Interventions (flood proofing)
5. Private Property Conversions
Hale Parkway Workshop

- In-depth presentation and discussion about the planning framework and existing conditions analyses
- Discussion of ‘likes and dislikes’ about existing Hale Parkway
- Dot Exercise of Community Priorities
**Hale Parkway Workshop – Dot Exercise**

<table>
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<tr>
<th>PRIORITY TOPIC</th>
<th>COUNT</th>
<th>PERCENT</th>
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<tbody>
<tr>
<td>Preserve Lindsley Park</td>
<td>25</td>
<td>19%</td>
</tr>
<tr>
<td>Preserve Existing Trees</td>
<td>22</td>
<td>17%</td>
</tr>
<tr>
<td>Passive Green Space</td>
<td>19</td>
<td>14%</td>
</tr>
<tr>
<td>Family Friendly</td>
<td>12</td>
<td>9%</td>
</tr>
<tr>
<td>Pedestrian Trails</td>
<td>11</td>
<td>8%</td>
</tr>
<tr>
<td>Sidewalk Environment</td>
<td>10</td>
<td>8%</td>
</tr>
<tr>
<td>Connectivity</td>
<td>9</td>
<td>7%</td>
</tr>
<tr>
<td>Protected Bike Facility</td>
<td>8</td>
<td>6%</td>
</tr>
<tr>
<td>Water Quality</td>
<td>6</td>
<td>5%</td>
</tr>
<tr>
<td>Active Recreation</td>
<td>5</td>
<td>4%</td>
</tr>
<tr>
<td>Transportation Facilities</td>
<td>4</td>
<td>3%</td>
</tr>
<tr>
<td>On-Street Parking</td>
<td>2</td>
<td>2%</td>
</tr>
</tbody>
</table>
STUDY SCHEDULE

- **FALL 2016**: Study Kick-off
- **WINTER 2016**: Existing Conditions Analysis
- **SUMMER - FALL 2017**: Concepts Development
- **LATE 2017**: Draft Recommendations
- **EARLY 2018**: Upper Montclair Study Completion
- **2018 - 2019**: Design
- **2020**: Construction Start

**PUBLIC & STAKEHOLDER ENGAGEMENT**

Construction will occur in phases over many years based on selected alternatives, costs and future appropriations.
THANK YOU!

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303-589-5651

Mike Anderson, PE
mike.anderson@denvergov.org
720-865-3023

STUDY WEBSITE:

denvergov.org/uppermontclairbasin
Community Engagement Methods

- **Online** – Surveys, Mapping Exercises, etc.

- **Targeted** – Existing Meetings, Street Team, Field Tours, etc.

- **Community Workshops** – Visioning, Design Charrette, Open House

- **Focus Groups** – Topical Experts, Advocates, Interested Residents

- **Steering Committee** – Formally appointed Community Stakeholders
How do you feel about your neighborhood?

Keypad Polling Exercise for Upcoming Community Engagement
WHY are you interested in the East Area?

A. I live in the area
B. I work in the area
C. I own property in the area
D. I own or operate a business in the area
E. I visit the area
F. Other
How long have you **LIVED/WORKED/ETC.** in the East Area?

A. Less than 5 years  
B. 5 to 10 years  
C. More than 10 years
WALKING in the East Area is...

A. Very easy
B. Fairly easy
C. Not easy
BIKING in the East Area is...

A. Very easy
B. Fairly easy
C. Not easy

Very easy: 0%
Fairly easy: 0%
Not easy: 0%
I use **PUBLIC TRANSIT** in the East Area...

A. Frequently
B. Occasionally
C. Rarely
D. Never
I feel **SAFE** in the East Area...

A. Always  
B. Usually  
C. Rarely
The **BUSINESSES** in the East Area...

A. Meet **most** of my daily needs  
B. Meet **some** of my daily needs  
C. Don’t meet my daily needs
The East Area has good **HOUSING** options for... (check all that apply)

A. Families  
B. Young professionals  
C. Seniors  
D. Low-income residents  
E. Disabled residents  
F. Other
The **TOP THREE AMENITIES** in the East Area
are... (these can be here today or ones you’d like to see in the future)

A. Shopping (grocery)
B. Shopping (other) & entertainment
C. Dining
D. Child care
E. Medical services
F. Cultural amenities & events
G. Recreational activities
H. Outdoor seating & plazas
I. Educational opportunities
J. Office Space
Mapping Exercise

- Break into groups

- Share your top three...
  - LIKES (5 min)
  - DISLIKES (5 min)
  - BIG IDEAS (5 min)

- Wrap-up (5 min)
• What do you like most about the area?

• What are the most pleasant streets, areas, neighborhoods, and commercial areas?

• Are there general characteristics of the area that you like?
• What are your **biggest concerns** about the area?

• Which **areas** are **most in need** of our attention?

• What’s **gotten worse** over the past 10 years?

• What are you **worried** may **threaten the quality of life** in the area in the future?
BIG IDEAS

• What is your big idea to **improve** the area?

• What’s **missing** in your neighborhood that would make it a better place to live?

• What are you **hopeful** for over the next 10-20 years?

• Review the list of things that the group has identified thus far. What would **solve problems**? What would **make things better** or **life easier**?
Wrap Up
In the East Area, I think it is most important to improve:
(Choose up to 3)

- Housing Options
- Pedestrian Safety
- Business Quality
- Transit Access
- Education
- Job Opportunities
- Bike Lanes
- Park Amenities
- Look and Feel
- Crime Reduction
- Traffic Speeding
- Traffic Congestion
- Parking
- Other:

The East Area Plan covers the neighborhoods on either side of Colfax Ave. from Colorado Blvd. to Yosemite St.: South Park Hill, Hale, Montclair, East Colfax