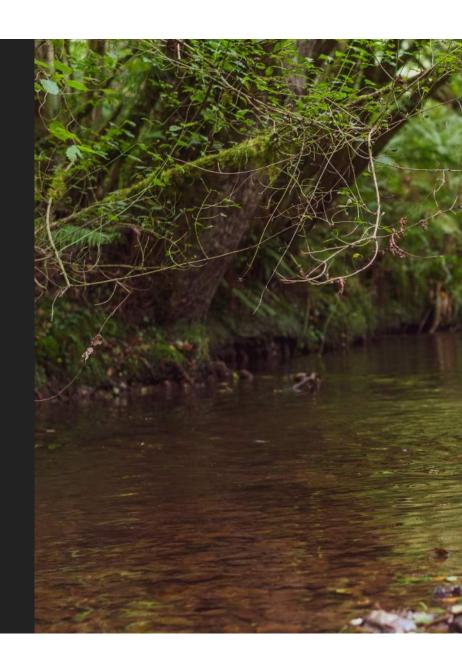
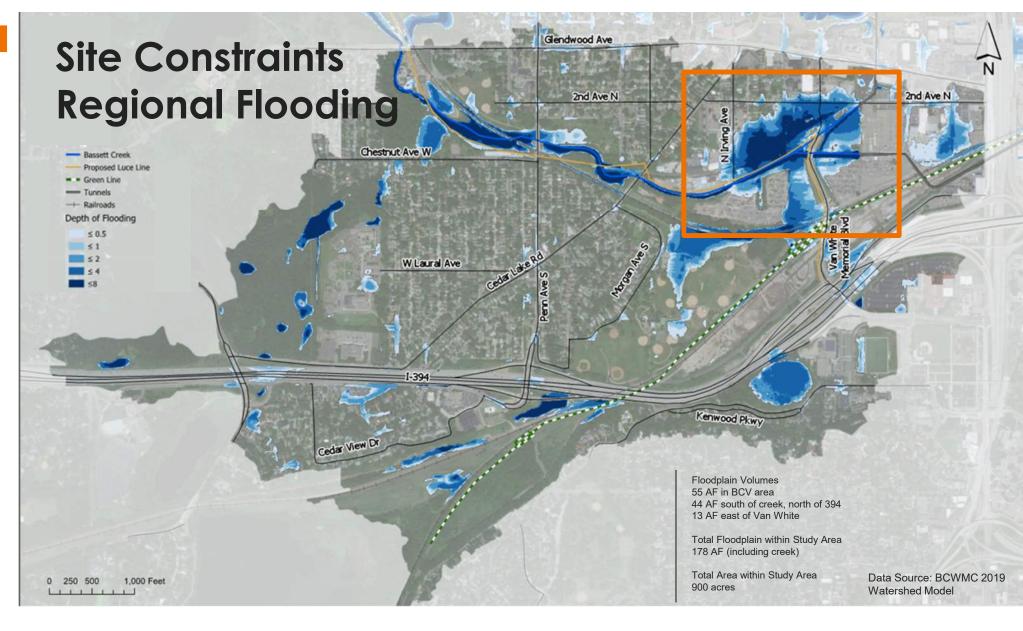
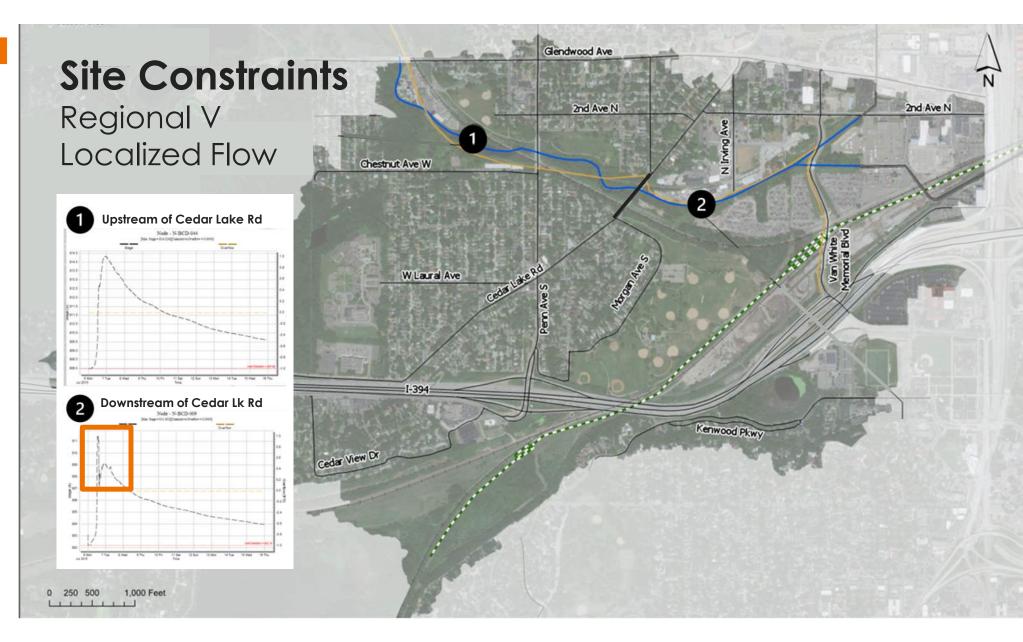


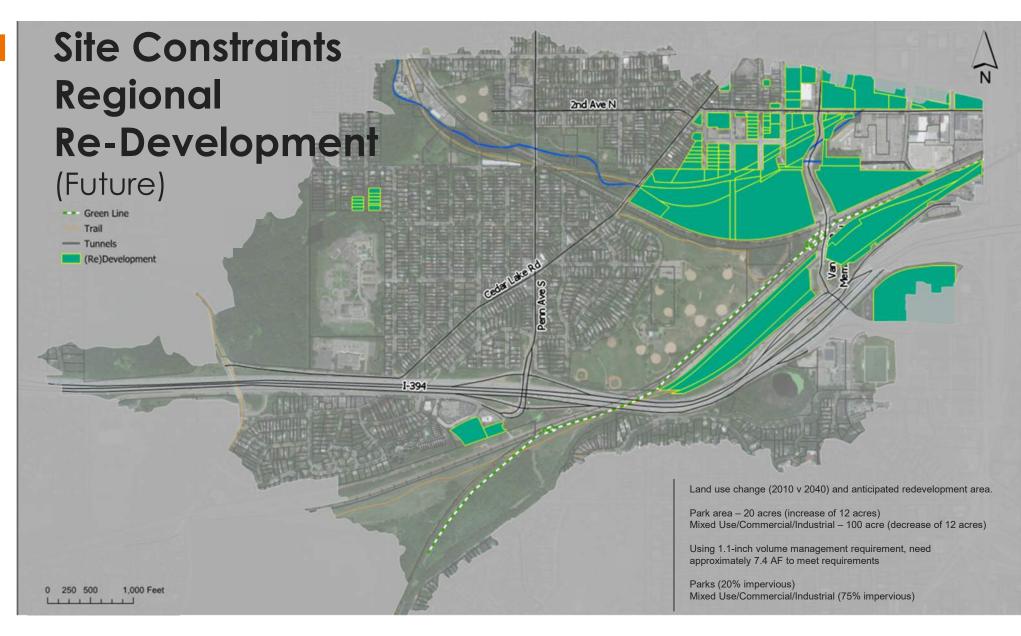
## Grounding in the Valley

- Site Constraints
- Desired Outcomes
- Precedents
- Potential Solutions



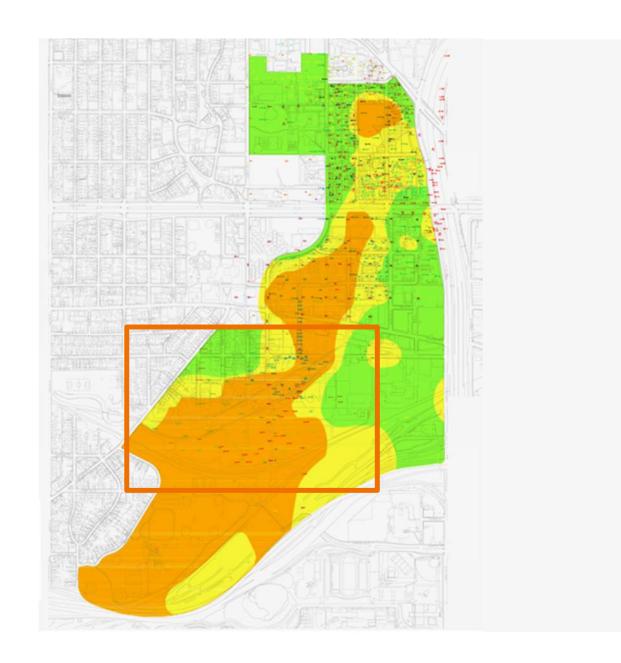






## Site Constraints Soils





## **Site Constraints**Regional Contamination

Estimated Cleanup Cost for Phase I Development Area: \$1.5 million +





Lead Only (23,515 sqft)

Free Product

Former AST

Observed Free Product (30,067 sqft)

Removed UST

#### Barr Estimates (2014): Areas 1, 2, 3:



High/Complete Dump Removal: \$98m

Mid/Residential Development: \$40m

Low/Commercial Development: \$10.9m

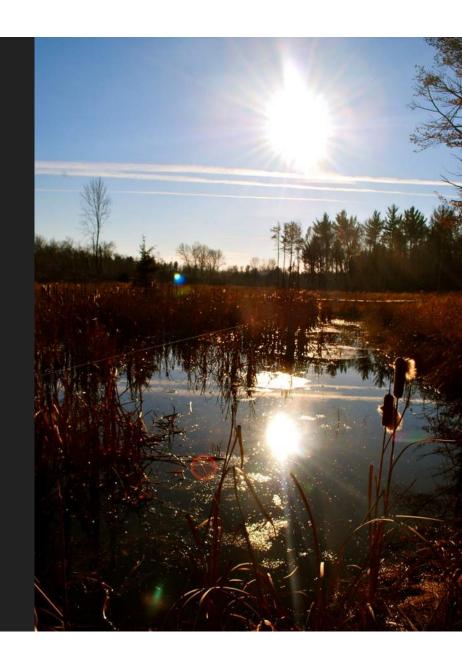




## **Desired Outcome**

- Build resilient regional floodplain
- Regional transit connections
- Maximize land use

How do we use Existing Plans and Projects?



# Bassett Creek Valley Development



\*Data Source: Collage Architects/2018 Met Council Predevelopment Study

# Bassett Creek Valley Park Plan



\*Data Source: Minneapolis Park and Recreation Board Regional Plan

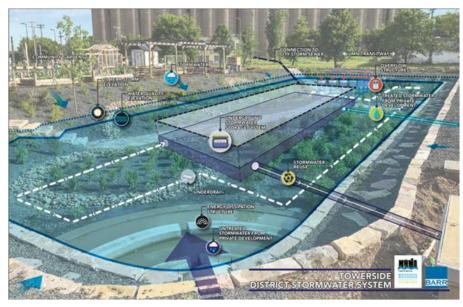
- Stacked Features
- Innovative Development
- Integrated with Neighborhood



## **Regional Planning Approach**

- 1. Develop a common understanding of natural resource issues and drivers
- 2. Understand local priorities by assessing partner and stakeholder existing plans and policies
- 3. Integrate natural resource goals with local plans and policies
- 4. Develop a strategic implementation and investment framework





Minneapolis



Crystal

## **Precedents**Stacked Features



New Orleans – Blue Green Corridor





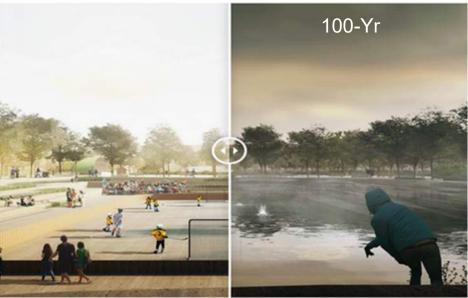




New Orleans - Blue Green Corridor









Copenhagen

Philidephia



New Orleans - Allen Toussaint Blvd





## Solution Focus – Potential Project Locations







## Option 1 – Optimize Bassett Creek Corridor

 Surface storage – creek cross section expansion

#### **Channel Width**

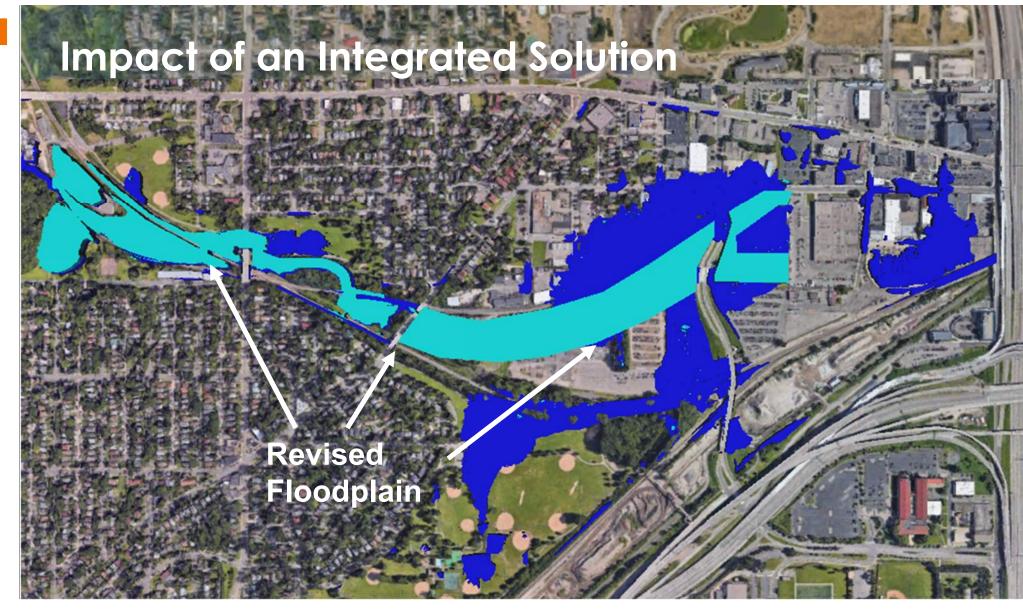
- Existing- 50 ft (57 AF) Not contained in channel
- Option 1A 150 ft (Contained in Channel)
   (\$5 \$12M)
- Option 1B 250 ft (-1ft Flood Elev. (Storage +30%), (\$5.5 - \$15M)
- Option 1C 300 ft (-1.5ft Flood Elev. (Storage +60%) (\$5.8 -\$17M)

#### Option 2 – Creek Enhancement with Stormwater Features

- Pond Surface area is 13 ac
- Cross section 100-125 ft
- WQ under low flow conditions: Oxbow/basins/ braided channel
- Surface storage creek cross section expansion, inline basins (+30% storage) (\$3 - \$7M)
- Under Ground Storage piers under buildings could have dual purpose for storage (+30% storage) (\$15 -\$30M)









Concept View

## Integrated Regional Solutions to Unlock the Valley