PrairieWalk Pond: Natural Area/Stormwater Retention Project

Village of Lisle

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The Problem: Downtown Needed Revitalization

- Deteriorating infrastructure (facades, streetscape, utilities, signage)
- Properties in floodplain/stormwater issues
- Not pedestrian friendly/vehicle safety issues
- Increase downtown visibility from Ogden/Route 53
- Strengthen economic base—restaurants, retail
Part of the Solution: Regional Stormwater Basin

- Purchase floodplain homes
- Build stormwater basin: retention and compensatory storage
- Gateway to downtown
FLOODPLAIN ON SITE

Legend
- 100 Year Floodway Zones
- 1.0% Chance Event Floodplain
- 0.2% Chance Event Floodplain

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Purchase of Properties

• 26 properties purchased
• Total cost $3.6M
• 7 properties already owned
• 23 properties used to build basin and improvements
Stormwater Basin Design
Detention and Compensatory Storage Volumes

- Detention Storage: 7.8 acre-feet
- Compensatory Storage: 9.4 acre-feet
Permits

- IDOT
- Army Corp of Engineers
- IEPA Water Quality Certification
- DuPage County Stormwater
- Village of Lisle Building Permit
Tree Protection
Erosion Control
Dewatering
Installation of Stone Outcroppings
Plug Plantings
OSLAD Project

Garfield Avenue Park
Lisle, Illinois

Concept Master Plan

- Entry Plaza
  - Ornamental Plantings
  - Stone Overlook (in scope) w/ Pergola (Future)
  - Interpretive Signage (Future)
  - Connection to Existing Sidewalk
- 8’ Wide Hard Surface Walking Path
- 8’ Wide Crushed Stone Walking Path
- Evergreen Tree, typ.
- Seating Area, typ.
  - Benches
  - Litter Receptacle
  - Proposed Deciduous Tree, typ.
- Native Landscape Plantings, typ.
- Sculpture Node, typical (Future)
- Stone Clusters with Inlet
- Existing Tree, typ.
- Connection to Garden Wall
- Stones Surrounded by Native Plantings
- Overlook with fencing (in scope), and w/ Signage (Future)
- Preserved Wetland, w/ Interpretive Signage (Future)
- Sculptural Focal Point (Future) w/ Ornamental Plantings
- Overlook Island w/ fencing (in scope), w/ Shelter (Future)
- Path through native plantings (in scope), w/ signage (Future)
- Sculpture Node, typ. (Future)
- Route 53
- Garfield Avenue
- Ogden Avenue
- Ogle Avenue
- Ornamental Trees (Future)
- Seating Area, typ. (Future)
- Butterfly Habitat Boxes (Future)
- Ornamental Bird House Cluster (Future)
- Ornamental Native Planting Bed w/ Brick Pad & Crushed Stone Path (Future)
- Seating Area, typ. (Future)
- Ornamental Fencing (Future)
- Play Area (Future)
- Ornamental Landscaping w/ Creative Play Area (Future)
- Entry Archway (Future)
- Neighborhood Connection
- Medium Lighted Bubbling Fountain
- Native Emergent Plantings, typ.
- Native Plantings, Both Perennials and Shrub Beds, typ.
DragonFly Landing

Lisle Play and Spray

Lisle, Illinois

Creative Play Area Concept Plan

1 20' 40'

Garfield Avenue

Landscape Berm with Native Prairie Plantings

Oustcropping Stone Seatwalls with Integrated Prairie Planters

Landscape Berm with Native Prairie Plantings

Oustcropping Stone

Drinking Fountain

Interactive Jumping Water Pads

Interactive Spray Jet Control

Interactive Spray Jets (Clusters)

Seating Areas

Themed Waterplay Area (Floodplain themed components)

Concrete Walk

Landscape Berm “Wings” (Native Plantings)

Limestone Chip Pathway (Accessible)

Ornamental Irreg Archway

Wood Leaping Pad Jumpers

Wood Fiber Play Area

Frog Play Structure

Seating Area

Permeable Paving Parking (future)

Handicap Accessible Ramp

Patterned Concrete Area

Alligator Play Structure

Stone Seating Maze with Animal Ray Structures

Cast in Place Rubber Surfacing

Cat Tail Themed Sway Rope Swing Neighbored Connection

4’ Ht. Ornamental Fence

Garfield Avenue Basin
Green Components/Benefits

Native Plants
Planted Basin Slopes
8'-0" Pathway
3"- 6" Planted Safety Shelf
Basin

Naturalistic Theme
Green Components/Benefits

Wetland Enhancement
Green Components/Benefits

Green Roof
Green Components/Benefits

Permeable Pavers
Green Components/Benefits

LED Lighting
Green Components/Benefits

Water Conservation
Green Components/Benefits

Aeration of Water
Green Components/Benefits

More information will be available this spring on Village of Lisle website:
www.villageoflisle.org
Project Construction Costs

- Basin, storm sewers, structures
- Plantings
- Recreational amenities: trails, lighting, playground, shelters, splash park, etc.
- OSLAD grant reimbursement
- Total:

- $1.885 million
- $115,000
- $800,000
- -$400,000
- $2.4 million
Named One of *Money Magazine*’s TOP 20 “BEST PLACES TO LIVE” in America