

We Need Your Input... to make our rivers and streams cleaner and healthier.



Community Design Workshop #3 Lick Run Alternative Project

Thursday, February 23, 2012 6:00 - 9:00 p.m. (starts promptly at 6:00 p.m.) Orion Academy in South Fairmount 1798 Queen City Ave., Cincinnati, OH 45214 Map on back.

Please Join Us...

Please join us on Thursday, February 23, 2012, to view and provide input on a preliminary Lick Run Master Plan. The plan, which incorporates public input from the first two community design workshops, will contain a preliminary design concept for the proposed urban waterway in South Fairmount.

The meeting will begin promptly at 6:00 p.m. with a presentation, followed by small group sessions to review and discuss the plan. No RSVPs are necessary. You do not need to have attended any of the past workshops to attend this one. We encourage your participation and input at any stage of the process.

What's the Lick Run Alternative?

The Lick Run project — located in South Fairmount and portions of East and West Price Hill and Westwood — is a series of underground storm sewers and natural, aboveground waterways to transport stormwater and drainage to the

to the Mill Creek. This project would eliminate about 800 million gallons of combined sewer overflows (CSOs) annually. It is an "alternative" to a deep, underground storage tunnel and enhanced high-rate treatment facility.

The central element of this alternative project would be an urban waterway in South Fairmount between Queen City and Westwood avenues east of White Street.



For more information about the Lick Run project and to view results from previous Lick

Run Community Design Workshops, please visit www.projectgroundwork.org/lickrun. You can also call the MSD Engineering Customer Service Line at (513) 557-3594 or email MSD.Communications@cincinnati-oh.gov.

MSD 1600 Gest Street Cincinnati, OH 45204

Tonight's Agenda

CSO Control Mandates: Lower Mill Creek

Summary of Community Engagement

Preliminary Lick Run Master Plan

- Preliminary Urban Waterway Concept
- Question & Answer Opportunity
- Long-term Vision Plan

Breakout Sessions

- Review and discuss the Preliminary Urban Waterway Concept
- Review and discuss the Long-Term Vision Plan
- Identify gaps and potential refinements

CSO Control Mandates: Lower Mill Creek

The Lick Run Watershed contributes the largest volume of overflows from combined sewers of any watershed in Hamilton County.



LICK RUN WATERSHED MASTER PLAN

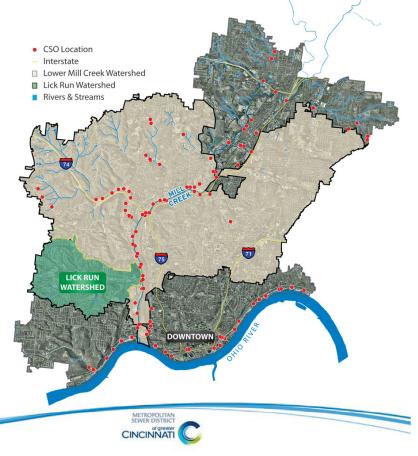
Community Design Workshop #3

February 23, 2012

METROPOLITAN SEWER DISTRICT CINCINNATI

CSO Control Mandates: Lower Mill Creek

MSD is focusing on watersheds within the Lower Mill Creek that experience high volumes of CSOs.



Plan oncept y

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CSO Control Mandates: Lower Mill Creek

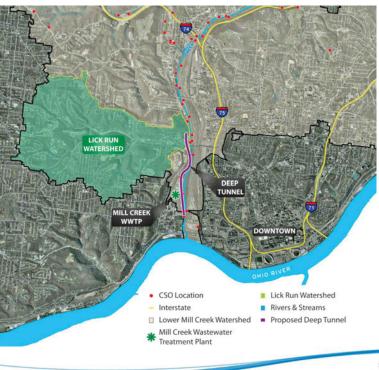




METROPOLITAN SEWER DISTRICT

"Default" Solution

The "default" solution specified in MSD's Consent Decree is an underground storage tunnel parallel to Mill Creek.





Estimated cost (in 2006 dollars)

\$244 million

Costs will continue to be refined based on additional design and assessment

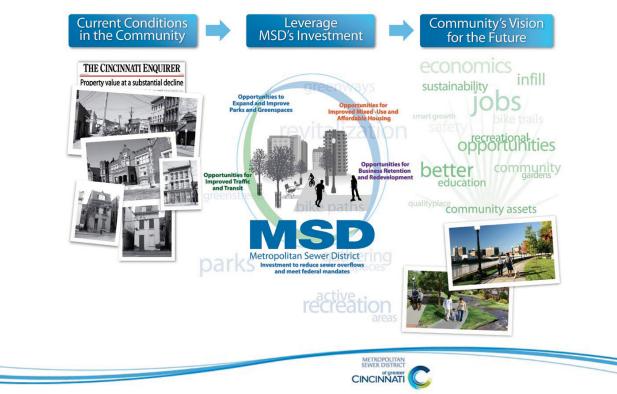


Presentation of the Preliminary Lick Run Master Plan



Alternative Solutions

MSD is partnering with local agencies and communities to create a more sustainable model for meeting CSO compliance mandates.



Community Engagement Process













Community Engagement Process: CDW #1





What we learned from your input

- Historic and cultural features
- Watershed planning guidelines

Alternative Solutions: Lick Run Alternative Project



- Proposed Storm Sewer
- Proposed Debris & Sediment Separator
- Proposed Natural Conveyance
- Proposed Detention Basin

Proposed Urban Waterway Corridor and Green Streets







• Character of the proposed urban waterway and open space network • South Fairmount neighborhood business district (uses, character)



Community Engagement Process: CDW #2



What we learned from your input

- Urban waterway that complements the urban environment
- In-stream water quality features and ecological benefits
- Opportunities for civic amenities (trails, gathering spaces, recreation)

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- Opportunities for businesses and mixed-use areas
- Pedestrian safety improvements

South Fairmount: Existing Conditions



Additional Community Input (South Fairmount Community Council)

South Fairmount Community

- Vyo
 - Blight removal
 - Home ownership opportunities
 - 2 . Jobs
 - Transportation links
 - Public areas Recreation
 - Resource Center
 - Viable housing stock
 - Develop home sites Develop business sites
 - 2 . Jobs
 - Public areas
 - Recreation
 - Resource Center
 - community
 - Loss of jobs for residents

Community-Identified Cultural & Historical Resources







Needs • Safe/Clean Green sustainable community

• Business District for community residents

Wants

Don't Want

• Wholesale removal of businesses anchored in

• More than 5% assisted rental properties





Early Success Projects / Enabled Impact Projects



Preliminary Urban Waterway Concept



The Base Project

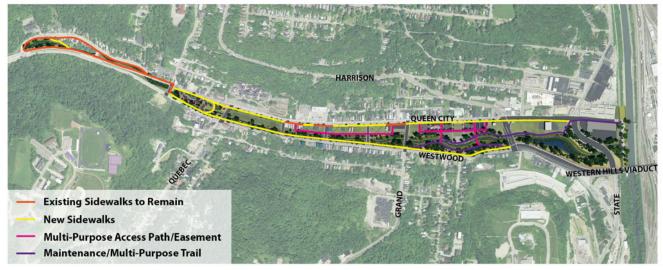


Urban Waterway Alignment & Water Quality Features



The Base Project

Maintenance Access, Sidewalks & Trails



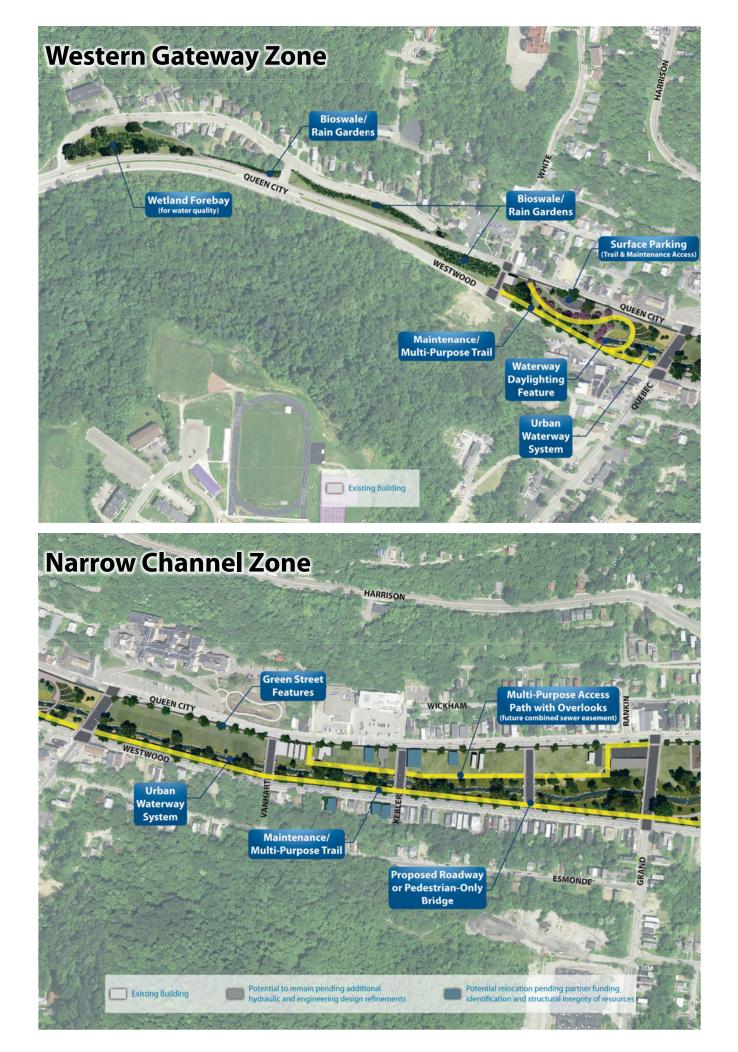
The Base Project





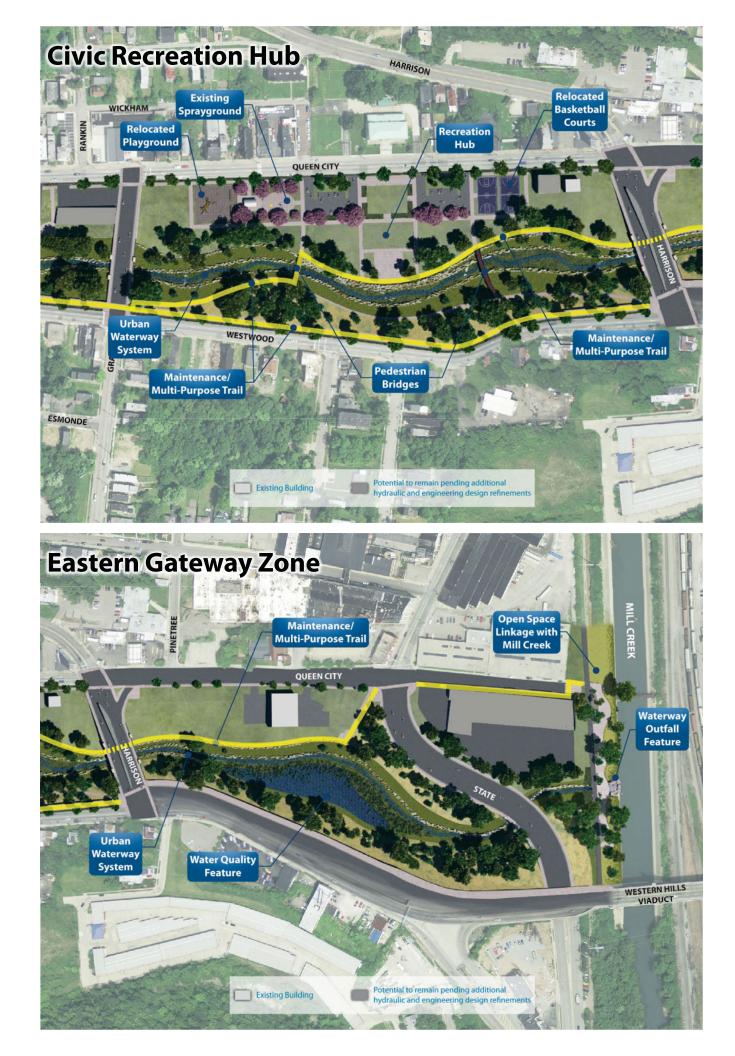










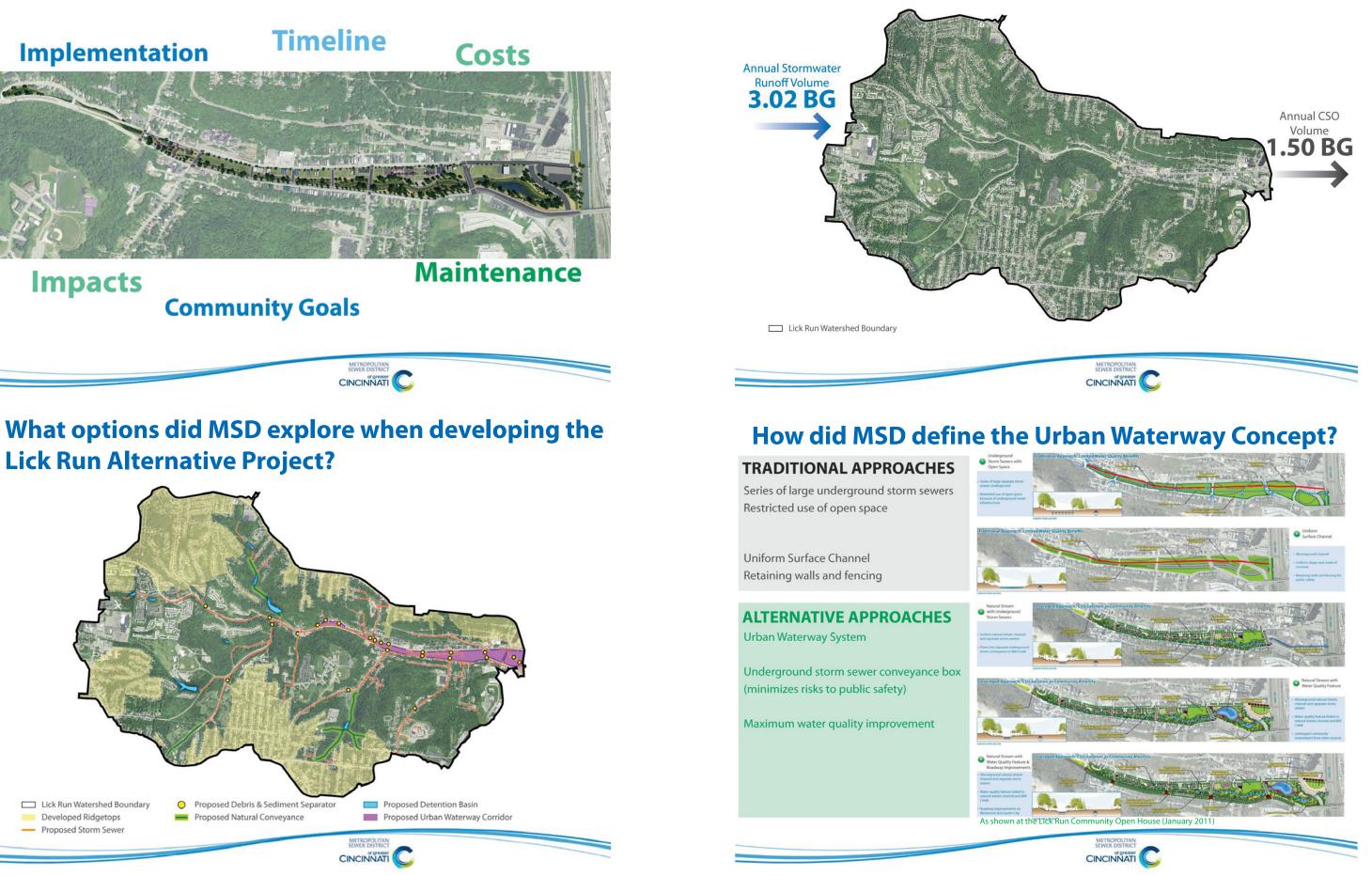






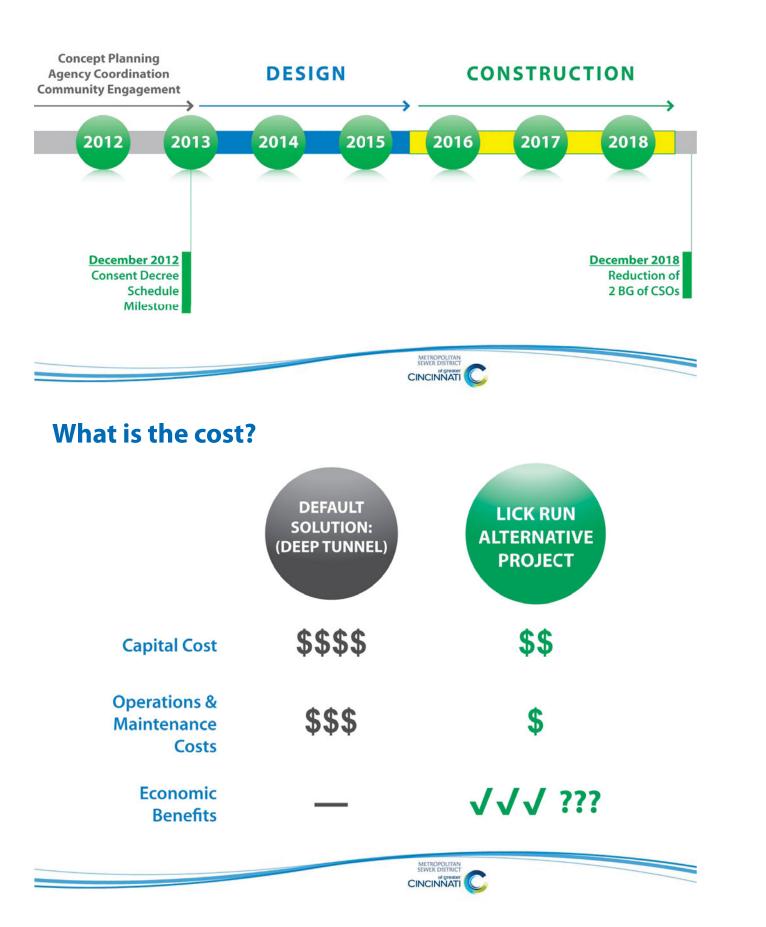
Questions from the Community

What options did MSD explore when developing the Lick Run Alternative Project?



When would MSD construct the proposed project (if approved)?

What components of the project would be constructed by 2018?





Preliminary Urban Waterway Concept – The Base Project







Project Groundwork is primarily funded by MSD customers (ratepayers) through monthly or quarterly sewer bills.



Who is paying for this project?



What process is MSD using to acquire property?

PROPERTY APPRAISAL PROCESS

STATE-CERTIFIED APPRAISERS

Under Ohio law, MSD must follow appraisal guidelines established in the **Uniform Standards of Professional Appraisal Practice (USPAP)**

PROPERTY ACQUISITION & RELOCATION PROCESS

MSD-MONITORED RELOCATION PERSONNEL

MSD is following guidelines established in the federal **Uniform Relocation Act (URA)** to determine relocation and business reestablishment compensation

How is MSD addressing the maintenance needs of the proposed urban waterway and associated open space?



MSD is working closely with Cincinnati Parks and the Cincinnati Recreation Commission to plan for and provide maintenance needs through these public agencies.

What properties are currently publicly owned?



Publicly-owned property (City of Cincinnati and Hamilton County)









Hamilton County Auditor's Database February 2012



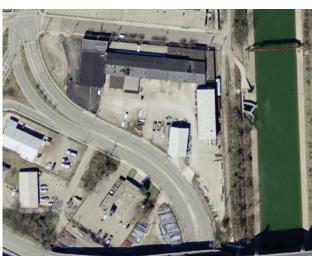
How is MSD addressing the needs of local businesses in the planning process?



How does the Lick Run Master Plan affect other, complementary efforts?



How is MSD addressing the needs of local businesses in the planning process?



Existing

One-on-one discussions are critical for productive outcomes.







Proposed

How could MSD's investment support future public/private investments?



Preliminary urban waterway concept plan

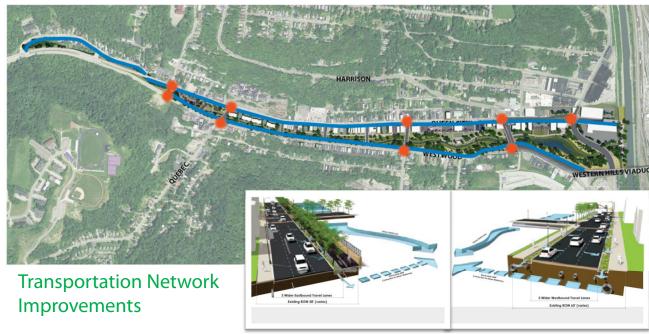
How could MSD's investment support future public/private investments?



Preliminary Long-Term Vision Plan



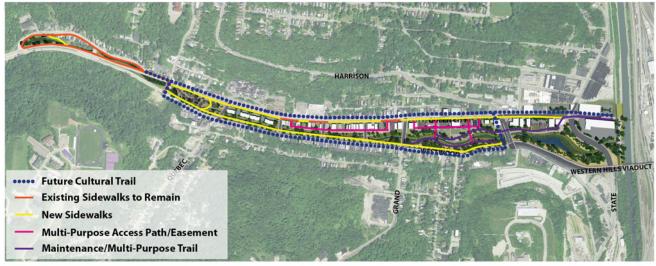
How could MSD's investment support future public/private investments?



Westwood Avenue

Queen City Avenue





Cultural Trail Concept

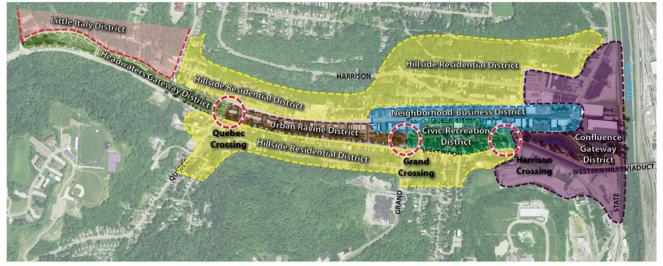








How could MSD's investment support future public/private investments?



Neighborhood District Concept





Lick Run Alternative Project: Preliminary Urban Waterway Plan	Components of the Long-Term Watershed Vision
 After seeing the presentation, do you have a better understanding of what MSD is proposing to implement as part of an alternative solution for CSO reduction? Yes No (If not, please explain why.) 	 6. What are the strengths of the Long-Term Watershed Vision Plan? [] Yes [] No (If not, please explain why.)
	7. What are the weaknesses of the Long-Term Watershed Vision Plan?
2. What are the strengths of the preliminary Urban Waterway Plan?	8. What, if any, potential refinements would you propose for the Long-Term Watershed Vision Plan?
3. What are the weaknesses of the preliminary Urban Waterway Plan?	 Exit Questions 9. Do you feel better informed after this meeting than before? [] Yes [] No (If not, please explain why.)
4. What, if any, potential refinements would you propose for the preliminary Urban Waterway Plan?	10. Did you attend previous Lick Run Community Design Workshops? (If yes, please specify.) [] Yes [] No [] Workshop #1 (August 2011) [] Workshop #2 (October 2011) 11. Additional comments? (optional)
 5. Given your understanding at this point, do you support MSD's investment in the alternative to the deep tunnel? [] Yes [] No 	Name Email Phone
METROPOLITAN SEWER DISTRICT of greater CINCINNATI	METROPOLITAN SEWER DISTRICT of greater CINCINNATI



PRELIMINARY URBAN WATERWAY PLAN



N 0 150



View A (Looking Northwest)



View B (Looking Southwest)



View C (Looking Northwest)



Existing Building Potential to remain pending additional hydraulic and engineering design refinements Potential relocation pending partner funding identification and structural integrity of resources

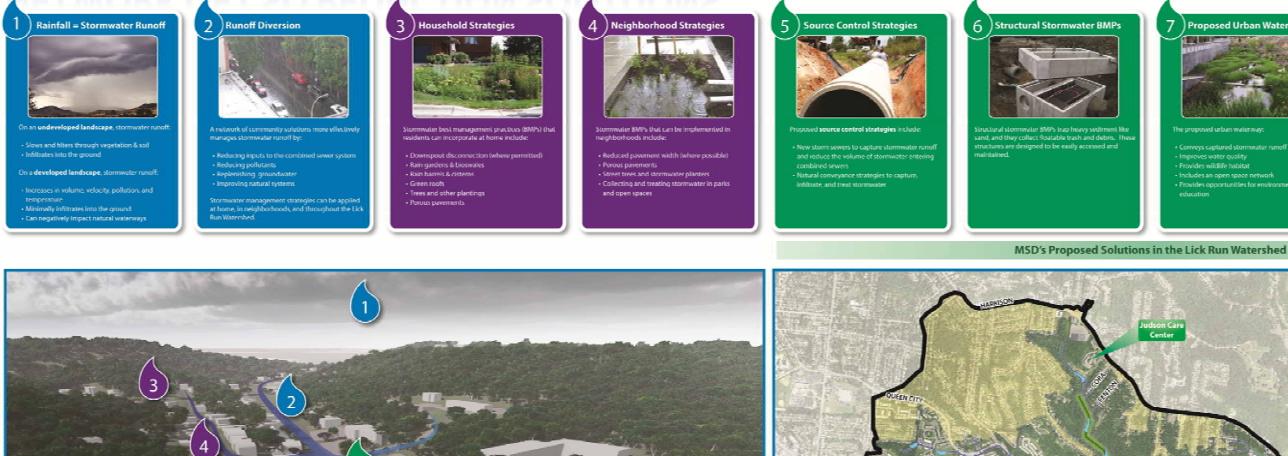


View D (Looking Southwest)

URBAN WATERWAY CHARACTER & ECOLOGY



NETWORK OF CSO REDUCTION SOLUTIONS





Lick Run Watershed: Stormwater Flow Diagram



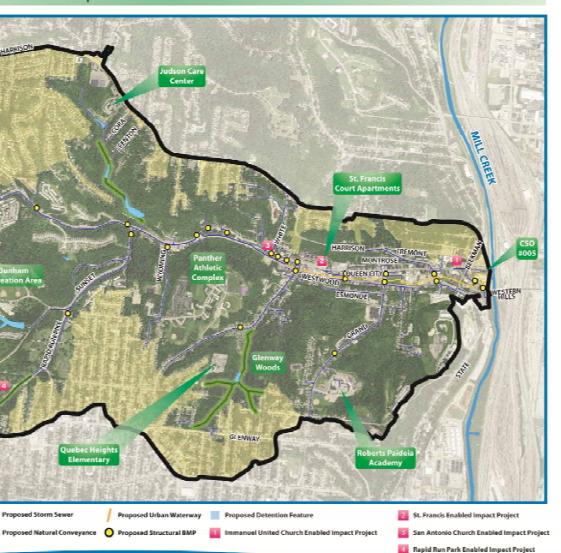
Proposed Storm Sewer

Proposed Urban Waterway



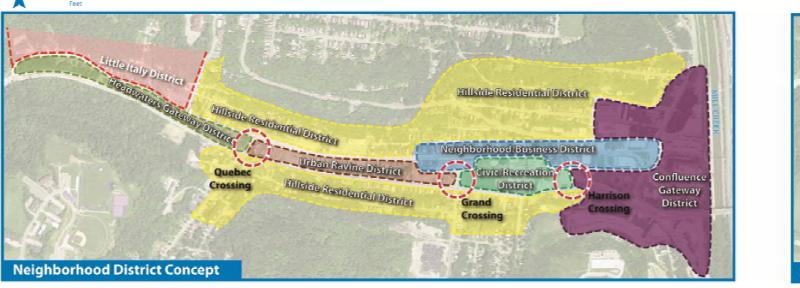
7

8 Healthier Mill Creek



PRELIMINARY LONG-TERM VISION PLAN



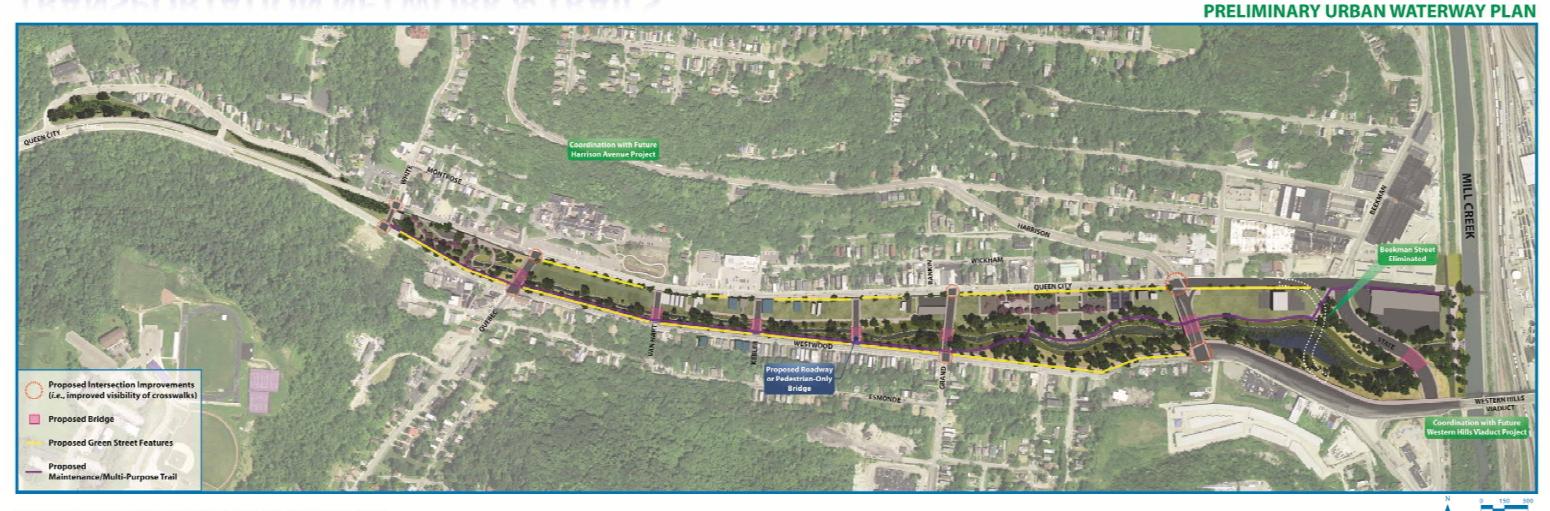




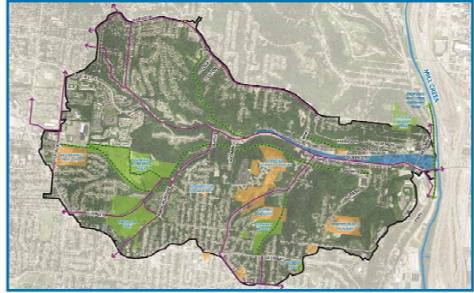
METROPOLITAN SEWER DISTRICT LICK RUN WATERSHED CINCINNATI



TRANSPORTATION NETWORK & TRAILS



WATERSHED-WIDE BIKE & TRAILS NETWORK



Waterway & Cultural Trails - Nature Trails

- Potential On-Street Facility







Two-way Travel Lanes

NEAR-TERM RECOMMENDATIONS One-way Traffic Remains Pedestrian Safety Improvements Integrated Stormwater Planters (south side of Queen City and north side of Westwood)







LONG-TERM STUDY

Integrated Stormwater Planters and Bump-Outs with Street Trees Expands Existing Right-of-Way Requires Further Technical Refinement, Agency Coordination, and Community Engagement



Long-term Watershed Vision Plan

How could MSD's investment support future public/private investments?

Additional investment in the Lick Run watershed identified in the preliminary long-term vision plan - could be achieved over time with support from public and private investment. Long-term investment is envisioned to include:

- viable, walkable neighborhood business district
- enhanced transportation network
- multi-use Cultural Trail
- market-driven land development
- additional streetscape improvements
- enhanced civic/recreation hub
- additional public amenities (e.g., benches, lighting, trash receptacles, wayfinding)

*The Long-term Watershed Vision Plan (not shown) can be viewed in the presentation for Community Design Workshop #3. Visit: www.projectgroundwork.org/ lickrun and follow the links under Community Involvement.

In Your Words...

Written comments from workshop participants:

"We can see our money being used in a more useful way: creating waterway, business opportunities, recreation." ~ resident Lick Run Watershed

"It needs to be sure not to remove current businesses but seek rather to provide relocation opportunities for them to remain and be a part of the new revitalized community." ~ resident, Lick Run Watershed

"[The] plan selection is most useful to Lick **Run Valley residents and most** economical to MSD patrons also." - property owner

"The plan has gotten the support of the Lick Run Valley inhabitants." ~ resident, Lick Run Watershed

For updates on the Lick Run Project, please continue to visit: www.projectgroundwork.org/lickrun. You can also contact MSD Engineering Customer Service at (513) 557-3594 or send an e-mail to MSD.Communications@cincinnati-oh.gov.





Lick Run Community Design Workshop #3

On Thursday, February 23, 2012, the Metropolitan Sewer District of Greater Cincinnati (MSD) hosted its third of three "Community Design Workshops" at Orion Academy (charter school) in South Fairmount to gather public input on the proposed Lick Run Alternative Project.

What's the Lick Run Alternative?

The Lick Run Project is a series of underground storm sewers and natural, above ground waterways to transport stormwater and natural drainage to the Mill Creek. This storm sewer separation project would eliminate about 800 million gallons of combined sewer overflows (CSOs) annually into the Mill Creek. It is one of several watershed-based solutions being proposed to the U.S. EPA and other regulators as an alternative to a deep, underground storage tunnel and enhanced high-rate treatment facility.

The central element of this project is an urban waterway in South Fairmount between Queen City and Westwood avenues, east of White Street,

Focus of Community Design Workshop #3

The workshop featured an overview presentation, Q&A, and small group breakout sessions to evaluate the strengths, weaknesses, and potential refinements for the preliminary Lick Run Master Plan. The plan was developed with input from the first two Community Design Workshops, held in August and October 2011. The results of Community Design Workshop #3 are summarized inside.

Major Findings from the Workshop

Breakout Session Feedback:

- Perceived strengths of the proposed urban waterway include: lower up-front & lifetime costs, potential for urban revitalization, neighborhood beautification, ecological benefits, and attention paid to the historic fabric.
- Perceived weaknesses of the proposed urban waterway include: impact to existing businesses, traffic and parking issues, lack of identified funding, and lack of clear economic benefit provided by green space.
- Participants reinforced the importance of preserving as many existing and historic buildings as possible, addressing public transportation opportunities, encouraging urban infill for future development, and coordinating with future Harrison Avenue and Western Hills Viaduct projects.

LICK RUN WATERSHED

RESULTS OF COMMUNITY INPUT

FEBRUARY 23, 2012



Preliminary Lick Run Master Plan

The preliminary Lick Run Master Plan contains the Lick Run Alternative project, including a refined preliminary design concept for the proposed urban waterway in South Fairmount. In addition, the plan includes a preliminary Long-term Watershed Vision Plan that identifies additional public amenities that could be achieved over the long term through public or private investment.

The three Community Design Workshops played a critical role in this process. The community's willingness to share ideas, suggestions and concerns, complete surveys and engage in constructive dialogue helped directly shape the master plan. Although this phase of the effort is complete we encourage you to remain engaged and informed.

What's Next?

Preliminary findings on the Lick Run Alternative and the tunnel will be presented to the Hamilton County Board of County Commissioners for consideration in March 2012. In December 2012, MSD will submit its preferred remedy for resolving CSOs in the Lower Mill Creek watershed to the U.S. EPA and other regulators.

93% of respondents support the proposed Lick Run Alternative, compared to 5% who support the deep tunnel and 2% who are unsure, (41% of attendees responded to this question)

71% of respondents attended a prior Community Design Workshop, (35% of attendees responded to this question)

49%

from South Fair

93% of respondents said that after seeing the presentation, they have a better understanding of what MSD is proposing to implement as part of the a ternative solution for CSO reduction. (47% of attendees responsed

98 people attended the workshop

sttendees live work or own n the Lick Ran Watersheet

attendees come from outside the watershed; many represented city and county agencies

42%

from rest of and does have

58%

South Fairmount Corridor



Preliminary Urban Waterway Plan

This plan shows the preliminary urban waterway concept, which was developed based on public feedback from the first two Community Design Workshops and through discussions with local public agencies (e.g., Cincinnati Department of Transportation & Engineering, Cincinnati Recreation Commission), community groups (e.g., South Fairmount Business Association, South Fairmount Community Council), and other partners.

If approved by the Board of County Commissioners and Regulators, this plan represents the "Base Project," or what could be constructed by 2018 to meet MSD's mandated schedule for Consent Decree compliance in the Lower Mill Creek.

Headwaters Gateway District



(Looking Northwest) This image depicts the daylighting of stormwater into the proposed urban waterway. The proposed urban waterway will contain water quality features (limestone rock; and a well-vegetated riparkin edge. Rain gordens will help to intercept stormwater from Queen City Ivenue and direct it Into the waterway. Ughting is included to ensure the multi-purpose trail on Westwood is well lit and safe for pedestrians.

Perceived Strengths

- Potential for urban revitalization, including the promotion of urban infill and a more livable, walkable community
- Enhanced beauty and aesthetics of neighborhood
- Ecological and environmental benefits
- Lower up-front & lifetime costs
- Attention given to neighborhood's history
- Improved neighborhood identity & quality of life

These preliminary desicn concests for a proposed urban waterway in South Fairmount (Cincinnati, Chio) were developed by the Metropolitan Sewer District of Greater Cincinnati (MSD) with input from the community and public/private partners. The concepts were presented for public review at the Lick Fun Community Design Workshop #3 on February 23, 2012 in Circinnati as part of a preliminary Lick Run Master Plan. They will undergo additional refinement prior to integration into a final plan. The U.S. EPA has final approval over implementation of this project.

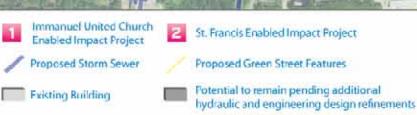
Perceived Weaknesses

- Impact on local jobs and businesses
 - Parking accommodations fall short of demand
 - Lack of identified funding
 - Economic benefits of green space not clear
 - Traffic noise could detract from ambiance of the waterway
 - Waterway could split the neighborhood north and south

Any land north of the proposed urban waterway shown as greenspace could potentially be repurposed as part of the Long-term Vision

Enabled Impact Projects (formerly referred to as "Early Success Projects") are pilot projects constructed to demonstrate innovative green infrastructure strategies while helping reduce the volume of stormwater runoff entering MSD's combined sewer system. Examples include bioinfiltration (rain gardens) and pervious pavement.

Urban Ravine District



Queen City

Civic Recreation Hub



(Looking South toward Westwood) This image depicts the character of the proposed urban waterway through the Urban Ravine. The waterway contains a heavily vegetated riportan edge, trees, and 'irmestone rock. The height of the relaining wall from Westwood Is visible. A pedestrian railing and lighting along the maintenance path and overlooks are included for safety (and as required by code)



(Looking Northwest) This image depicts the character of the proposed urban waterway near the Civic Recreation Hub. Native vegetation is included to help reduce maintenance needs and to provide water quality benefits during high flow events. The pedestrian or loge In the background is above the modeled 100 year floodplain elevation; so during large volume rain events, water elevations would be contained within the heavily-planted areas

Suggested Refinements

- Preserve existing and historic buildings where possible
- Address public transportation
- Create incentives for homeowner implemented sustainable strategies (i.e., rain barrels, rain gardens)
- Include farmers market & dog park from CDW#2
- Coordinate with future Harrison Avenue & Western Hills Viaduct
- Promote urban infill (redevelopment of existing properties)

stern Hills Viaduct

San Antonio Church Enabled Impact Project

Proposed Maintenance/Multi-Purpose Trail

Potential relocation pending partner funding identification and structural integrity of resources

Eastern Gateway District



(Looking South toward Westwood) This image depicts the character of the propa urban waterway at the water quality feature. The multi-purpose path provides sale. well-lit access. During low volume rain events, runoff flows north of the water quality leature to Mill Creek. During high volume rain events, water flows both north of and into the water quality leature. This feature provides valuable terrestrial and aquatic habitat.