

#5 RLP  
LOAN

APPLICATION FOR FINANCIAL ASSISTANCE  
Revised 05/2008

SUBDIVISION: Hamilton County – Metropolitan Sewer District of Greater Cincinnati

CODE # 061-00061

DISTRICT NUMBER: 2 COUNTY: Hamilton DATE: 09/17/2009

CONTACT: Cynthia Blocksom PHONE # (513) 244 - 5113

FAX # (513) 244 - 1399 E-MAIL: cynthia.blocksom@cincinnati-oh.gov

PROJECT NAME: SSO 612 Removal

SUBDIVISION TYPE (Check Only 1)	FUNDING TYPE REQUESTED (Check All Requested & Enter Amount)	PROJECT TYPE (Check Largest Component)
<input checked="" type="checkbox"/> 1. County	<input type="checkbox"/> 1. Grant \$ _____	<input type="checkbox"/> 1. Road
<input type="checkbox"/> 2. City	<input checked="" type="checkbox"/> 2. Loan \$ <u>378,500.00</u>	<input type="checkbox"/> 2. Bridge/Culvert
<input type="checkbox"/> 3. Township	<input type="checkbox"/> 3. Loan Assistance \$ _____	<input type="checkbox"/> 3. Water Supply
<input type="checkbox"/> 4. Village		<input checked="" type="checkbox"/> 4. Wastewater
<input type="checkbox"/> 5. Water/Sanitary District (Section 6119 O.R.C.)		<input type="checkbox"/> 5. Solid Waste
		<input type="checkbox"/> 6. Stormwater

TOTAL PROJECT COST: \$ 378,500.00

FUNDING REQUESTED: \$ 378,500.00 <sup>372,416</sup> <sub>FD</sub>

DISTRICT RECOMMENDATION  
To be completed by the District Committee ONLY

GRANT: \$ \_\_\_\_\_ LOAN ASSISTANCE: \$ \_\_\_\_\_

SCIP LOAN: \$ \_\_\_\_\_ RATE: \_\_\_\_\_ % TERM: \_\_\_\_\_ yrs  
RLP LOAN: \$ 372,416 RATE: 0 % TERM: 30 yrs

(Check Only 1)  
 State Capital Improvement Program  Small Government Program  
 Local Transportation Improvements Program

2009 SEP 17 PM 2:55  
OFFICE OF NEW BURLINGTON  
COUNTY ENGINEER

FOR OPWC USE ONLY

PROJECT NUMBER: C _____ /C _____	APPROVED FUNDING: \$ _____
Local Participation: _____ %	Loan Interest Rate: _____ %
OPWC Participation: _____ %	Loan Term: _____ years
Project Release Date: ____/____/____	Maturity Date: _____
OPWC Approval: _____	Date Approved: ____/____/____
	SCIP Loan: _____ RLP Loan: _____

**1.0 PROJECT FINANCIAL INFORMATION**

**1.1 PROJECT ESTIMATED COSTS:**

(Round to Nearest Dollar)

	TOTAL DOLLARS	Force Account Dollars
a.) Basic Engineering Services:	\$ <u>36,900.00</u>	\$ <u>.00</u>
Preliminary Design	\$ <u>.00</u>	
Final Design	\$ <u>.00</u>	
Bidding	\$ <u>.00</u>	
Construction Phase	\$ <u>36,900.00</u>	
*Additional Engineering Services	\$ <u>.00</u>	\$ <u>.00</u>
b.) Acquisition Expenses:		
Land and/or Right-of-Way	\$ <u>.00</u>	\$ <u>.00</u>
c.) Construction Costs:	\$ <u>307,400.00</u>	\$ <u>.00</u>
d.) Equipment Purchased Directly:	\$ <u>.00</u>	\$ <u>.00</u>
e.) Permits, Advertising, Legal: (Or Interest Costs for Loan Assistance Applications Only)	\$ <u>3,500.00</u>	\$ <u>.00</u>
f.) Construction Contingencies:	\$ <u>30,700.00</u>	\$ <u>.00</u>
g.) TOTAL ESTIMATED COSTS:	\$ <u>378,500.00</u>	\$ <u>.00</u>

\*Additional Engineering Services:

None

See Attachment C for a detailed breakdown of estimated project costs.

**1.2 PROJECT FINANCIAL RESOURCES:**

(Round to Nearest Dollar and Percent)

	DOLLARS	%
a.) Local In-Kind Contributions	\$ <u>          .00</u>	<u>      0%</u>
b.) Local Revenues	\$ <u>          .00</u>	<u>      0%</u>
c.) Other Public Revenues	\$ <u>          .00</u>	<u>      0%</u>
ODOT	\$ <u>          .00</u>	<u>      0%</u>
Rural Development	\$ <u>          .00</u>	<u>      0%</u>
OEPA	\$ <u>          .00</u>	<u>      0%</u>
OWDA	\$ <u>          .00</u>	<u>      0%</u>
CDBG	\$ <u>          .00</u>	<u>      0%</u>
OTHER _____	\$ <u>          .00</u>	<u>      0%</u>
SUBTOTAL LOCAL RESOURCES:	\$ <u>          .00</u>	<u>      0%</u>
d.) OPWC Funds		
1. Grant	\$ <u>          .00</u>	<u>      0%</u>
2. Loan	\$ <u>  378,500.00</u>	<u>  100%</u>
3. Loan Assistance	\$ <u>          .00</u>	<u>      0%</u>
SUBTOTAL OPWC RESOURCES:	\$ <u>  378,500.00</u>	<u>  100%</u>
e.) TOTAL FINANCIAL RESOURCES:	\$ <u>  378,500.00</u>	<u>  100%</u>

**1.3 AVAILABILITY OF LOCAL FUNDS:**

A letter prepared and signed by Mark Filippi, Finance Manager, Metropolitan Sewer District of Greater Cincinnati, is included as Attachment B, certifying the availability of funds required for repayment of the SCIP loan requested for the execution of the SSO 612 Removal project per the terms and conditions set forth by the Ohio Public Works Commission.

## **2.0 PROJECT INFORMATION**

Project information in addition to that which is provided in this Section is provided in Attachment D. See Section 6.0 ATTACHMENTS/COMPLETENESS REVIEW for a list of attachments.

### **2.1 PROJECT NAME: SSO 612 Removal**

### **2.2 BRIEF PROJECT DESCRIPTION:**

#### **A: SPECIFIC LOCATION:**

The SSO 612 Removal Project is located in the Hamilton County community of Mount Healthy, at the northeast corner of the intersection of Hamilton Avenue (State Route 127) and Ronald Reagan Cross County Highway (State Route 126).

See Attachment D for SSO 612 Removal map and photographs.

**PROJECT ZIP CODE: 45231**

#### **B: PROJECT COMPONENTS:**

- Replace 386 feet of 10-inch sanitary sewer downstream of MSDGC sanitary sewer overflow (SSO) 612 with 24-inch conduit to provide additional in-line sewage capacity, effectively eliminating the SSO that discharges into Heritage Park pond in Mount Healthy.
- Monitor engineering components of the remedy to verify the elimination of discharges from SSO 612. The cost of monitoring is not included in this application.
- Plug SSO 612 overflow line after two years of monitoring has confirmed that no discharges have occurred and plugging will not create water-in-basement issues up-gradient of the SSO. The cost of plugging is not included in this application.

#### **C: PHYSICAL DIMENSIONS / CHARACTERISTICS:**

The SSO 612 Removal project will replace 386 feet of 10-inch sanitary sewer downstream of the SSO with 24-inch conduit, thus providing in-line storage capacity necessary to effectively eliminate the SSO. SSO 612 currently discharges untreated sewage into a pond during periods of peak flows. The pond, located in Heritage Park in the city of Mt Healthy, is used for recreational purposes and is surrounded by a paved walking/biking path. Heritage Park is located at a highly visible intersection of Hamilton County.

SSO 612 overflowed 16 times in 2007 and 11 times in 2008, discharging approximately 100,000 gallons of sewage into Heritage Park pond during typical year loading. While the overflow structure was considered state of the art at the time it was constructed, it is no longer considered acceptable. The elimination of SSO 612 is not part of MSDGC's Consent Decree with the U.S. Environmental Protection Agency, but rather was targeted under MSDGC's commitment to expedient elimination of all SSOs in the course of routine asset management.

The elimination of SSO 612 will yield improvements in the water quality of Heritage Park pond, thus restoring aquatic biological communities as well as encouraging natural habitat for plant and animal species. Additionally, these improvements will benefit the health, safety, and well-being of community residents, as the pond is not only highly visible, but also serves as an active green space for residents of adjacent neighborhoods. Worn paths along the pond's banks illustrate the frequency of use and extent of contact by residents.

In addition, execution of this project should reduce discharges from and facilitate future elimination of SSO #1003, located at the intersection of Hamilton Avenue and Centeridge Avenue, immediately south and up-gradient of SSO 612. Though generally inactive, SSO #1003 discharges to the surface, into the gutter along Hamilton Avenue, near the entrance of a grocery store.

Furthermore, MSDGC sees this project as an opportunity to foster collaboration with local communities, which will be critical to the execution of MSDGC's Consent Decree. The project intent has been communicated to Mount Healthy City Council to encourage further improvements to the park/pond on the heels of water quality improvements. Future improvements might include control of invasive plant and animal species prevalent in the park, stormwater management tools for homeowners, and the diversion of additional storm water to the pond to guard against stagnation.

**D: DESIGN SERVICE CAPACITY:**

The proposed project is intended to provide in-line storage capacity in the affected section of pipe during increased loading necessary to effectively eliminate SSO 612, rather than provide additional user capacity or generate revenue. Newly installed or repaired sanitary sewer within the MSDGC service area are designed to provide capacity for existing and projected growth through 2025 along with wet weather flows modeled for precipitation events of ten year return frequency and 24 hour duration, or the 10-year, 24-hour storm event.

**2.3 USEFUL LIFE / COST ESTIMATE: Project Useful Life: 40 Years.**

See Attachment C for the registered professional engineer's signed and sealed statement of useful life and estimated project costs.

**3.0 REPAIR/REPLACEMENT or NEW/EXPANSION:**

TOTAL PORTION OF PROJECT REPAIR/REPLACEMENT \$ 378,500.00

TOTAL PORTION OF PROJECT NEW/EXPANSION \$ .00

**4.0 PROJECT SCHEDULE:**

	BEGIN DATE	END DATE
4.1 Engineering/Design:		<u>Complete</u>
4.2 Bid Advertisement and Award:	<u>05/11/2010</u>	<u>07/03/2010</u>
4.3 Construction:	<u>07/13/2010</u>	<u>11/06/2010</u>

(Failure to meet project schedule may result in termination of agreement for approved projects. Modification of dates must be requested in writing by the CEO of record and approved by the commission once the Project Agreement has been executed. The project schedule should be planned around receiving a Project Agreement on or about July 1<sup>st</sup>)

**5.0 PROJECT OFFICIALS:**

5.1 CHIEF EXECUTIVE OFFICER: James A. Parrott  
TITLE: Executive Director / Metropolitan Sewer District of Greater Cincinnati

STREET: 1600 Gest Street  
CITY/ZIP: Cincinnati, OH 45204  
PHONE: (513) 244-5121  
FAX: (513) 244-1399  
E-MAIL: tony.parrott@cincinnati-oh.gov

5.2 CHIEF FINANCIAL OFFICER: Mark Filippi  
TITLE: Finance Manager / Metropolitan Sewer District of Greater Cincinnati

STREET: 1600 Gest Street  
CITY/ZIP: Cincinnati, OH 45204  
PHONE: (513) 244-1305  
FAX: (513) 244-1399  
E-MAIL: mark.filippi@cincinnati-oh.gov

5.3 PROJECT MANAGER: Ralph Johnstone  
TITLE: Sewers Chief Engineer, Project Delivery Division  
Metropolitan Sewer District of Greater Cincinnati

STREET: 1600 Gest Street  
CITY/ZIP: Cincinnati, OH 45204  
PHONE: (513) 244-1344  
FAX: (513) 244-1399  
E-MAIL: ralph.johnstone@cincinnati-oh.gov

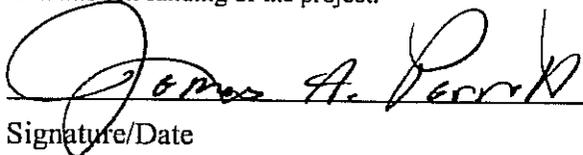
## 6.0 ATTACHMENTS/COMPLETENESS REVIEW:

- [ X ] A certified copy of the legislation by the governing body of the applicant authorizing a designated official to sign and submit this application and execute contracts. **See Attachment A**
- [ X ] A certification signed by the applicant's chief financial officer stating all local share funds required for the project will be available on or before the dates listed in the Project Schedule section. If the application involves a request for loan (RLP or SCIP), a certification signed by the CFO identifying a specific revenue source for repaying the loan must be attached. Both certifications can be accomplished in the same letter. **See Attachment B**
- [ X ] A registered professional engineer's detailed cost estimate and useful life statement, as required in 164-1-13, 164-1-14, and 164-1-16 of the Ohio Administrative Code. Estimates shall contain an engineer's original seal or stamp and signature. **See Attachment C**
- [ NA ] A cooperation agreement (if the project involves more than one subdivision or district) which identifies the fiscal and administrative responsibilities of each participant. **Not Applicable**
- [ NA ] Projects which include new and expansion components and potentially affect productive farmland should include a statement evaluating the potential impact. If there is a potential impact, the Governor's Executive Order 98-VII and the OPWC Farmland Preservation Review Advisory apply. **No Impact**
- [ ] Capital Improvements Report: (Required by O.R.C. Chapter 164.06 on standard form) **To be provided at a later date**
- [ X ] Supporting Documentation: Materials such as additional project description, photographs, economic impact (temporary and/or full time jobs likely to be created as a result of the project), accident reports, impact on school zones, and other information to assist your district committee in ranking your project. Be sure to include supplements which may be required by your *local* District Public Works Integrating Committee. **See Attachment D**

## 7.0 APPLICANT CERTIFICATION:

The undersigned certifies that: (1) he/she is legally authorized to request and accept financial assistance from the Ohio Public Works Commission; (2) to the best of his/her knowledge and belief, all representations that are part of this application are true and correct; (3) all official documents and commitments of the applicant that are part of this application have been duly authorized by the governing body of the applicant; and, (4) should the requested financial assistance be provided, that in the execution of this project, the applicant will comply with all assurances required by Ohio Law, including those involving Buy Ohio and prevailing wages.

Applicant certifies that physical construction on the project as defined in the application has NOT begun, and will not begin until a Project Agreement on this project has been executed with the Ohio Public Works Commission. Action to the contrary will result in termination of the agreement and withdrawal of Ohio Public Works Commission funding of the project.

  
Signature/Date

9/15/09

James A. Parrott / Executive Director, Metropolitan Sewer District of Greater Cincinnati



**METROPOLITAN SEWER DISTRICT  
OF GREATER CINCINNATI**

1600 Gest Street  
Cincinnati, Ohio 45204  
513•244•1300  
[www.msdbg.org](http://www.msdbg.org)

James A. Parrott  
*Executive Director*

September 4, 2009

**Subject:** SSO 612 Removal Project

As required by Chapter 164-1-13 of the Ohio Administrative Code, I hereby certify that the design useful life of subject sanitary sewer and related appurtenances is at least forty (40) years.



*Ralph Johnstone*

Ralph Johnstone, P.E.

Sewers Chief Engineer, Project Delivery Division

Metropolitan Sewer District of Greater Cincinnati

**Customer Service**

513•352•4900

**Emergency Service**

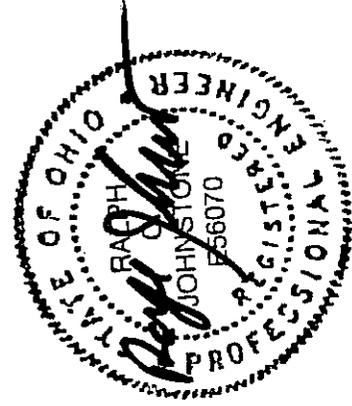
513•352•4900



MASTER BID SHEET

PROJECT: SSO 612 Removal Project  
 PROJECT No.: 10240285  
 JOB No.: 2008-29  
 DATE: 02/05/2009

Item No.	Spec. No.	Description	Estimating Sheet	Quantity	Unit Cost	Total Cost
1	210	Special Excavation	Special Exc. & Fill	25 CY	\$36	\$900
2	211	Special Fill Material (Bank Run Gravel)	Special Exc. & Fill	25 TON	\$15	\$375
3	211	Special Fill Material (No. 3 Gravel Bedding)	Special Exc. & Fill	25 TON	\$16	\$400
4	602	Concrete Masonry Cl. "C"	Special Exc. & Fill	5 CY	\$501	\$2,505
5	602	Concrete Masonry Cl. "C" (Encasement, Cradles, Key Blocks)	Special Exc. & Fill	10 CY	\$180	\$1,800
7	603	6" Conduit, Type "1" 11' * 25' (1 tap per TV report)	Special Exc. & Fill	5 LF	\$74	\$370
6	603	24" Conduit, Type "B"	Pipe Sheet	387 LF	\$528	\$204,336
8	603	6" T-Branches on 24" Conduit, Including Bends	T-Branches	1 LF	\$230	\$230
9	603.06	Video Taping of Installed Sewers	Manholes and Misc	387 L.F.	\$3	\$1,122
11	604	Remodel Bottom of Existing Manhole	Manholes and Misc	2 EA.	\$1,000	\$2,000
10	604	Standard Type "S" Manhole (24" sewer)	Manholes and Misc	1 EA.	\$3,337	\$3,337
12	SPEC	Performance Bond	Administrative	L.S.	L.S.	\$2,196
		Subtotal				\$219,571
		Small Job Factor (.40)	Small Job Increase			\$87,829
		<b>Construction Cost</b>				<b>\$307,400</b>
		Contingencies (10% of Construction)				\$30,700
		Inspection & Field Engineering	Administrative			\$36,900
		Interest and Financing	Administrative			\$3,500
		Number of Weeks to Construct				12
		Total Cost (rounded to nearest \$100)				\$378,500



*Ralph Johnston*

Ralph Johnstone, Sewers Chief Engineer, Project Delivery Division



## CHIEF FINANCIAL OFFICERS CERTIFICATION OF LOAN REPAYMENT

**METROPOLITAN SEWER DISTRICT  
OF GREATER CINCINNATI**

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1600 Gest Street  
Cincinnati, Ohio 45204  
513-244-1300  
[www.msdc.org](http://www.msdc.org)

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December 3, 2009

James A. Parrott  
*Executive Director*

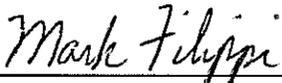
Mr. Joseph Cottrill  
Project Funding Coordinator  
Hamilton County Engineer's Office  
10480 Burlington Road  
Cincinnati, OH 45231

Dear Mr. Cottrill,

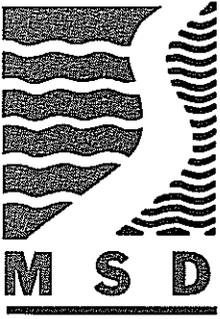
I, Finance Manager of the Hamilton County- Metropolitan Sewer District of Greater Cincinnati, hereby certify that that the Hamilton County- Metropolitan Sewer District of Greater Cincinnati will collect the amount of \$ 372,416 (three hundred seventy-two thousand four hundred sixteen dollars) in the Operating Fund/Debt Services Account and that this amount will be used to repay the SCIP or RLP loan requested for the SSO 612 Removal Project over a 30 year term.

**Customer Service**  
513-352-4900

**Emergency Service**  
513-352-4900

  
\_\_\_\_\_  
Mark Filippi, Finance Manager





**METROPOLITAN SEWER DISTRICT  
OF GREATER CINCINNATI**

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1600 Gest Street  
Cincinnati, Ohio 45204  
513-244-1300  
[www.msdc.org](http://www.msdc.org)

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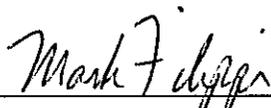
James A. Parrott  
*Executive Director*

December 3, 2009

Mr. Joseph Cottrill  
Project Funding Coordinator  
Hamilton County Engineer's Office  
10480 Burlington Road  
Cincinnati, OH 45231

Dear Mr. Cottrill,

I, Finance Manager of the Hamilton County- Metropolitan Sewer District of Greater Cincinnati, hereby certify that matching funds for the SSO 612 Removal Project are available.

  
\_\_\_\_\_  
Mark Filippi, Finance Manager

**Customer Service**

513-352-4900

**Emergency Service**

513-352-4900





September 9, 2009

**METROPOLITAN SEWER DISTRICT  
OF GREATER CINCINNATI**

**Subject:** SSO 612 Removal Affected Users Estimate

1600 Gest Street  
Cincinnati, Ohio 45204  
513-244-1300  
[www.msdc.org](http://www.msdc.org)

The number of daily users that will be affected by or benefit from the elimination of SSO 612 consists of two groups of users: the sewer service area connected to the section of sanitary sewer to be replaced plus a percentage of the adjacent communities of Mount Healthy and North College Hill who use the affected park where SSO 612 currently discharges or live adjacent to affected waterways. The estimate is summarized as follows:

Sewer Area	282 homes X 4 residents/home	1,128 users
Mt. Healthy	7,149 total population X 20%	1,430 users
N. College Hill	10,082 total population X 10%	1,008 users
<b>Total</b>		<b>3,566 users</b>

James A. Parrott  
*Executive Director*



Ralph Johnstone, P.E.

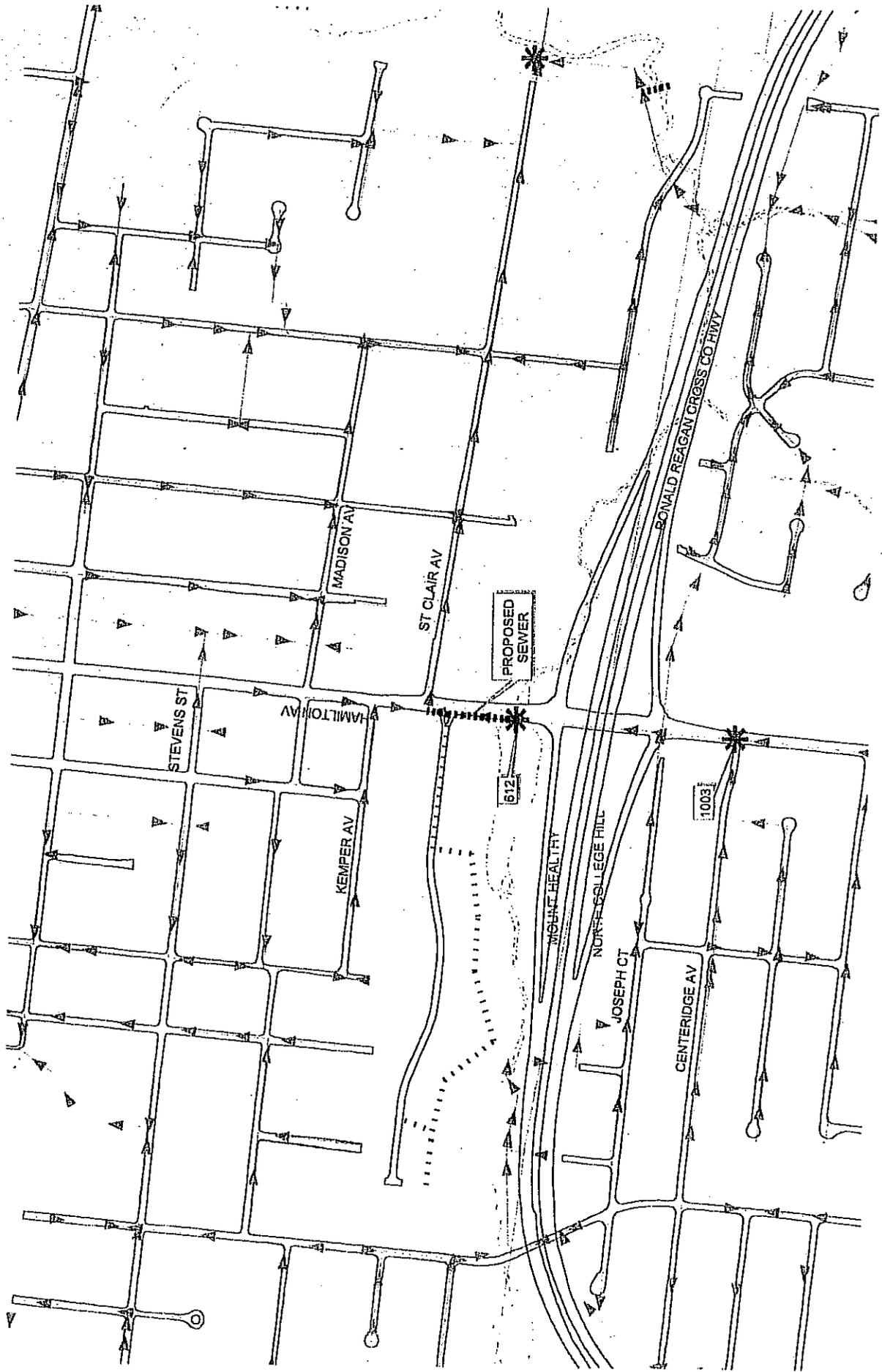
Sewers Chief Engineer, Project Delivery Division

Metropolitan Sewer District of Greater Cincinnati

**Customer Service**  
513-352-4900

**Emergency Service**  
513-352-4900

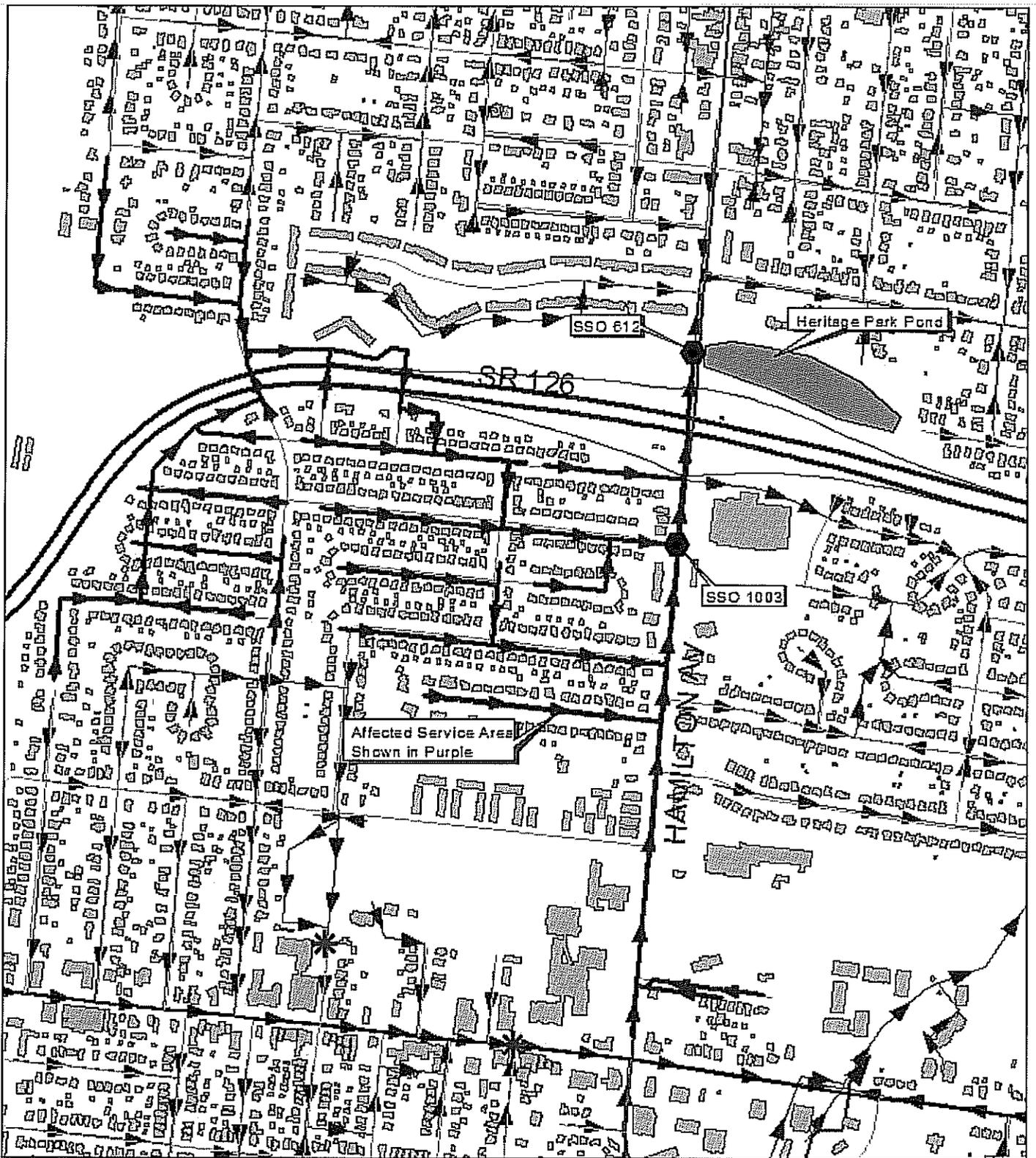




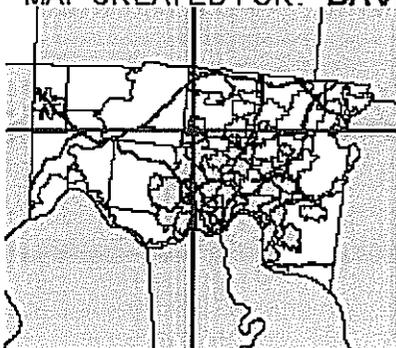
# SSO 612 REMOVAL

CIP# 2008-29

SS# 5941



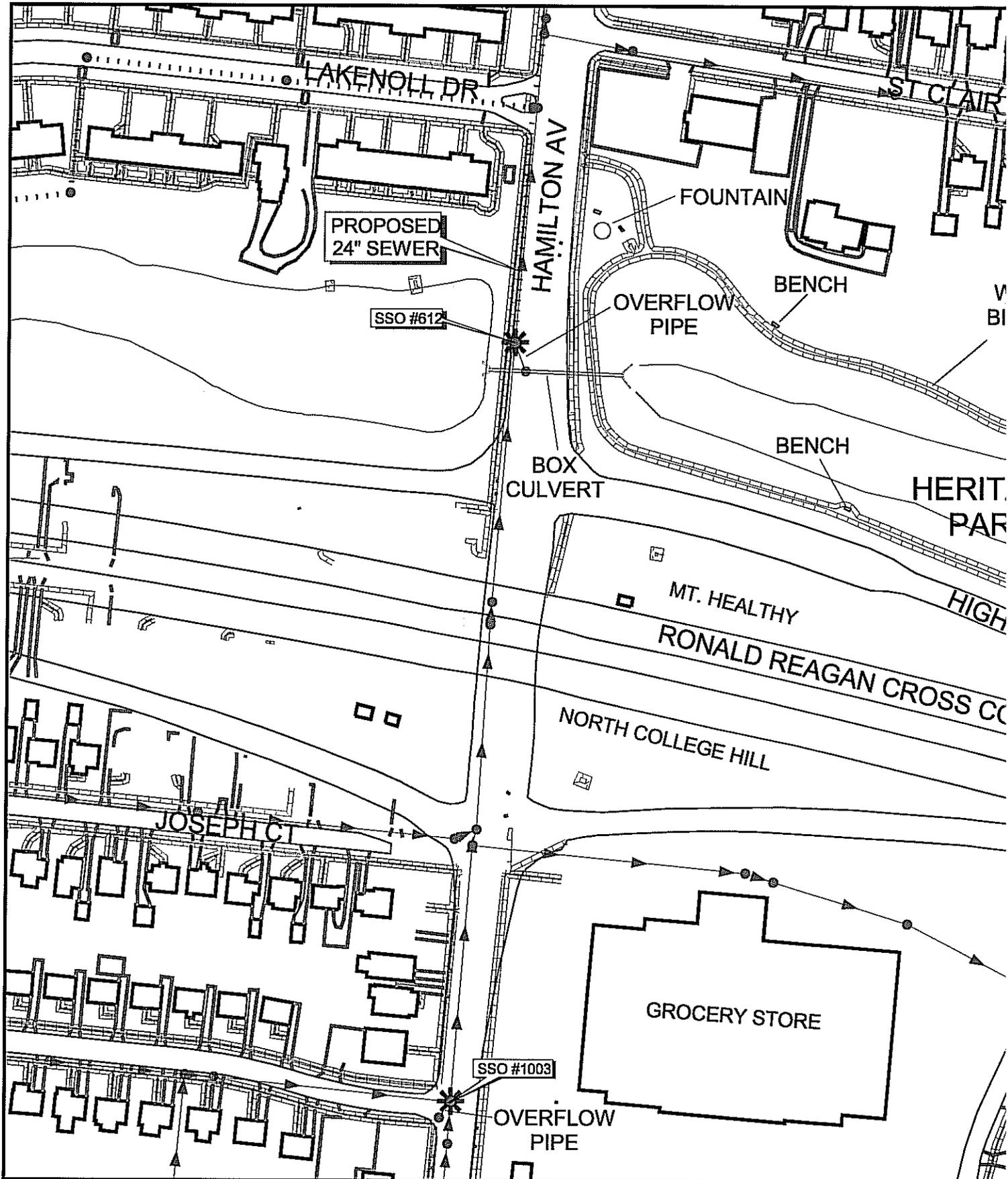
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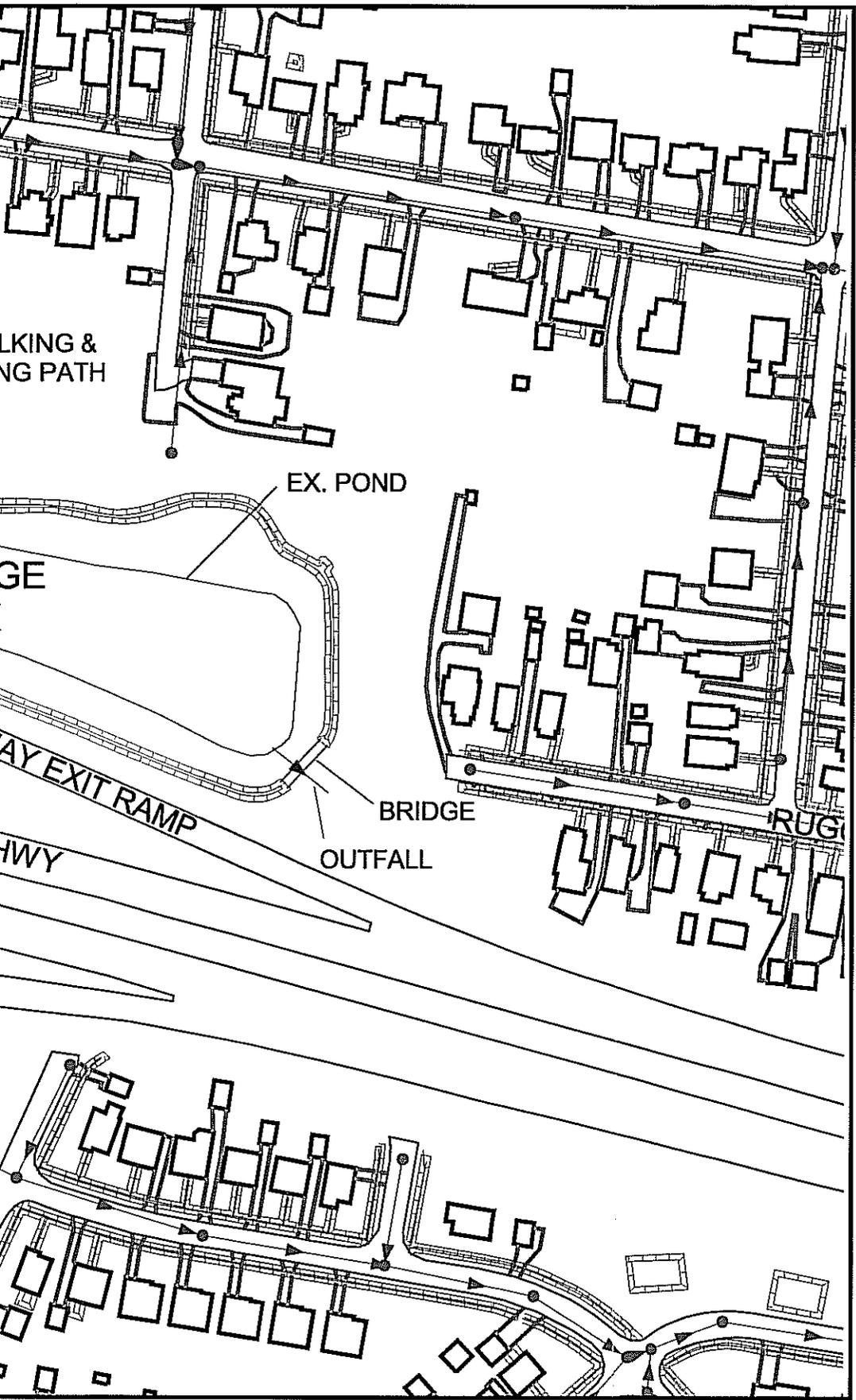
This map was created using the CAGIS System .  
 The City of Cincinnati, Hamilton County or the  
 Cincinnati Area Geographic Information System  
 do not assume any legal responsibilities for the information  
 contained in this map. Users noting errors or omissions  
 are encouraged to contact the CAGIS.

CAGIS  
 138 E COURT ST, ROOM 1003  
 CINCINNATI, OH 45202  
 (513) 352-1656

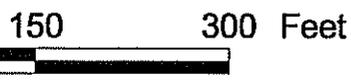
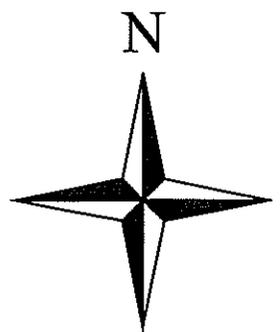
# SSO 612 REMOVAL F



# PROJECT MAP

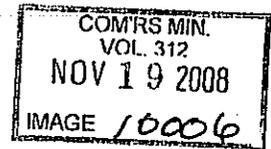


- ▶ Outfall
- ▬ Sidewalks
- ▬ DRIVEWAYS
- ▬ Streams
- ✱ ACTIVE SSO
- ▬ Outfall/Overflow
- ▶ SANITARY SEWER
- ⋯ PROPOSED
- ▭ Buildings
- ▬ Pavement
- ▬ PARKING



**ATTACHMENT A.1**  
**PROJECT LEGISLATION**

# City of Cincinnati



Office of the City Manager

November 3, 2008

Honorable Board of County Commissioners  
Hamilton County, Ohio  
% Mr. Patrick Thompson  
Hamilton County Administrator  
County Administration Building  
138 E. Court Street, Room 603  
Cincinnati, Ohio 45202

Room 152, City Hall  
801 Plum Street  
Cincinnati, Ohio 45202-5706  
Phone (513) 352-3241  
Fax (513) 352-6284

Milton Dohoney, Jr.  
City Manager

Honorable Commissioners:

Enclosed are five resolutions to authorize progress on Sanitary Sewer No. 5941, CIP 2008-29, Project ID 10270105, SSO 612 Removal:

- 1) amending the 2008 CIP to add a project for construction;
- 2) approving detailed plans, specifications, and estimate of cost;
- 3) declaring project necessity to construct and intent to proceed with the project;
- 4) appropriating funds for construction; and
- 5) authorizing project advertising and bidding.

The current request is for \$378,500. The estimated total project cost is \$519,400. The project is in the Mill Creek sewershed of the Central Basin, within Hamilton Avenue and extends from St. Clair Avenue south 400 ft. in the City of Mt. Healthy, Hamilton County, Ohio. Prior legislation includes design services and easement funding on December 12, 2007.

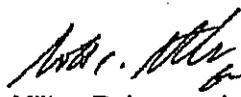
This project consists of replacement of approximately 400 ft. of 10" diameter sanitary sewer with 24" diameter conduit. The replacement sewer will eliminate the 'Generally Active' SSO 612 which was observed to overflow 6 times in 2005, with a modeled yearly overflow of 100,000 gallons.

The proposed sewer will also will provide capacity for a future extension upstream to eliminate the 'Generally Inactive' SSO 1003.

**RECOMMENDED:**

Approved:

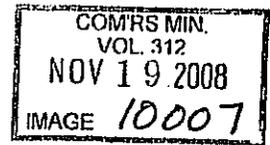
  
James A. Parrott  
Executive Director, MSD

  
Milton Dohoney, Jr.  
City Manager

Provided to the Hamilton County Compliance Coordinator on 11-13-08 

Reviewed by Karen A Ball 11/14/08, and recommended by County Administration.

On motion of Mr. Portune, seconded by Mr. Pepper, the following resolutions were adopted....



RESOLUTION No. MSD 2008-0188

AMENDING THE METROPOLITAN SEWER DISTRICT  
2008 CAPITAL IMPROVEMENT PROGRAM  
TO ADD A PROJECT FOR CONSTRUCTION

WHEREAS, the Board of County Commissioners of Hamilton County, Ohio, by Resolution dated December 12, 2007 did adopt a Capital Improvement Program (CIP) for the Metropolitan Sewer District of Greater Cincinnati (MSD) for the years 2008-2012; and

WHEREAS, the 2008 MSD CIP does not include CIP 2008-29, SSO 612 Removal; and

WHEREAS, the Executive Director of MSD recommends that it is necessary to amend the 2008 MSD CIP to add a project for construction.

NOW, THEREFORE, BE IT RESOLVED, by the Board of County Commissioners of Hamilton County, Ohio, that the 2008 Capital Improvement Program for the Metropolitan Sewer District be revised to include the following project for construction:

<u>CIP</u>	<u>S.S. No.</u>	<u>PROJECT IDs</u>	<u>Project Name</u>	<u>Total Cost</u>
2008-29	5941	10270105	SSO 612 Removal	\$378,500

BE IT FURTHER RESOLVED, that this Board of County Commissioners hereby finds and determines that all formal actions relative to the adoption of this Resolution were taken in an open meeting of the Board of County Commissioners and that all deliberations of this Board of County Commissioners and of its committees, if any, which resulted in formal action were taken in meetings open to the public, in full compliance with applicable legal requirements, including Section 121.22 of the Ohio Revised Code.

ADOPTED at a regularly adjourned meeting of the Board of County Commissioners of Hamilton County, Ohio, this 19th day of November 2008.

Mr. DeWine YES Mr. Pepper YES Mr. Portune YES

MSD Fact Sheet



COM'RS MIN.  
VOL. 312  
NOV 19 2008  
IMAGE 10004

James A. Parrott  
Executive Director  
November 3, 2008

PROJECT NAME: SSO 612 REMOVAL

S.S. No. 5941 CIP 2008-29 PROJECT ID 10270105

LEGISLATIVE PROPOSAL:

DESIGN<sup>1</sup>  ADD'L DESIGN<sup>2</sup>  CONSTRUCTION<sup>3</sup>  EASEMENT APPROPRIATION<sup>4</sup>

OTHER Resolutions (1) amending the 2008 MSD CIP to add a project for construction (2) approving detailed plans, specifications and estimate of cost; (3) declaring project necessity and intent to proceed with construction; (4) appropriating funds for construction; and (5) authorizing project advertisement and bidding.

PROJECT TYPE:  WWIP  Asset Mgmt.  Assessment  Other

WWIP Activity ID: \_\_\_\_\_ WWIP Completion Date: \_\_\_\_\_

PROJECT LOCATION:

The project is located in the City of Mt. Healthy, Hamilton County, Ohio, in the Mill Creek sewershed of the Central Basin, within Hamilton Avenue and extends from St. Clair Avenue south 400 ft.

PROJECT DESCRIPTION:

This project consists of replacement of approximately 400 ft. of 10" diameter sanitary sewer with 24" diameter conduit. The replacement sewer will eliminate the 'Generally Active' SSO 612 which was observed to overflow 6 times in 2005, with a modeled yearly overflow of 100,000 gallons.

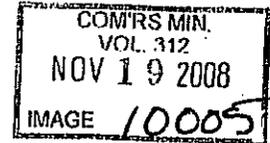
The proposed sewer will also provide capacity for a future extension upstream to eliminate the 'Generally Inactive' SSO 1003.

PROPOSED CONSTRUCTION SCHEDULE:

Start: March 2009

End: July 2009

1. **Design** = 1 resolution authorizing preparation of detailed plans, specifications, and estimate of cost and appropriating funds for the same.
2. **Add'l Design** = 1 resolution appropriating additional funds for design.
3. **Construction** = 4 resolutions approving detailed plans, specifications and estimate of cost; declaring project necessity and intent to proceed with construction; appropriating funds for construction; authorizing project advertisement & bid.
4. **Easement Appropriation** = 3 resolutions approving detailed plans, specifications and estimate of cost; declaring project necessity and intent to proceed with construction; appropriating easements.
5. **Other** = Resolutions not covered above. Purpose is listed.



**PRIOR LEGISLATIVE ACTIONS:**

<u>Action</u>	<u>Note</u>	<u>Date</u>
▪ Design Services & Easement Acquisition		12/12/2007

**HAMILTON COUNTY COMPLIANCE COORDINATOR PROJECT REVIEW:**

11/3/2008

**FUNDING:**

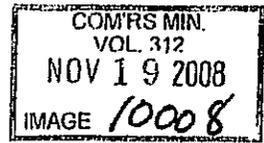
Total Estimated Project Cost: \$519,400  
 Current Request: \$378,500

ITEM	PRIOR APPROVAL	CURRENT REQUEST
Study/Planning	\$0	\$0
Design ( <input checked="" type="checkbox"/> in-house <input type="checkbox"/> outside)	\$103,200	\$0
Project Administration	\$27,500	\$0
Est. Cost of Construction	\$0	\$307,400
Contingencies	\$0	\$30,700
Inspection & Field Engineering	\$0	\$36,900
Interest	\$0	\$3,500
R-O-W	\$5,000	\$0
Misc.(PTI, test borings, permits)	\$5,200	\$0
Prog. Mgmt.	\$0	\$0
Consultant Const. Mgmt.	\$0	\$0
<b>TOTALS</b>	<b>\$140,900</b>	<b>\$378,500</b>
Total Estimated Project Cost:		\$519,400

2008 Approved CIP amount: \$140,900 (design and easement acquisition)

**REMAINING FUTURE LEGISLATION:**

- Approving detailed plans, specifications and estimate of cost
- Declaring necessity to construct and determining to proceed
- Appropriating funds
- Advertise and bid
- Other: NONE



OFFICE OF THE DIRECTOR  
THE METROPOLITAN SEWER DISTRICT  
OF GREATER CINCINNATI

November 3, 2008

SANITARY SEWER PROJECT NO. 5941, CIP 2008-29,  
PROJECT ID 10270105  
SSO 612 REMOVAL  
THE METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI

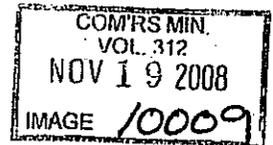
Honorable Board of County Commissioners  
Hamilton County, Ohio

I herewith certify for your approval detailed plans, specifications, and estimate of cost for Sanitary Sewer Project No. 5941, CIP 2008-29, Project ID 10270105, SSO 612, in the Metropolitan Sewer District of Greater Cincinnati.

Accompanying this certification is an itemized listing of the cost of this improvement. I further certify that the detailed plans, specifications and estimate of cost have remained open to inspection of all persons interested in such improvement.

Respectfully submitted,

Biju George, P.E.  
Deputy Director, MSD  
Hamilton County Sanitary Engineer  
(for the purposes of the Metropolitan Sewer District of Greater Cincinnati  
as authorized in the Resolution of February 28, 2007,  
Comm. Minutes, Vol. 305, Images 4190 - 4191)  
City of Cincinnati Department of Sewers

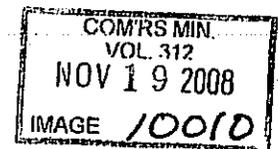


REVISED ESTIMATE OF COST  
SANITARY SEWER PROJECT NO. 5941, CIP 2008-29  
PROJECT ID 10270105  
SSO 612 REMOVAL  
THE METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI

ITEM	PRIOR APPROVAL	CURRENT REQUEST
Study/Planning	\$0	\$0
Design ( <input checked="" type="checkbox"/> in-house <input type="checkbox"/> outside)	\$103,200	\$0
Project Administration	\$27,500	\$0
Est. Cost of Construction	\$0	\$307,400
Contingencies	\$0	\$30,700
Inspection & Field Engineering	\$0	\$36,900
Interest	\$0	\$3,500
R-O-W	\$5,000	\$0
Misc. (PTI, test borings, permits)	\$5,200	\$0
Prog. Mgmt.	\$0	\$0
Consultant Const. Mgmt.	\$0	\$0
<b>TOTALS</b>	<b>\$140,900</b>	<b>\$378,500</b>
Total Estimated Project Cost:		\$519,400

Biju George, P.E.  
Deputy Director, MSD  
Hamilton County Sanitary Engineer  
(for the purposes of the Metropolitan Sewer District of Greater Cincinnati  
as authorized in the Resolution of February 28, 2007,  
Comm. Minutes, Vol. 305, Images 4190 - 4191)  
City of Cincinnati Department of Sewers

Approved this 19th day of November 2008  
Board of County Commissioners  
Hamilton County, Ohio



RESOLUTION No. MSD 2008-0189

APPROVING THE DETAILED PLANS, SPECIFICATIONS AND ESTIMATE OF COST

S.S. PROJECT NO. 5941, CIP 2008-29, PROJECT ID 10270105 SSO 612 REMOVAL

THE METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI

WHEREAS, this Board of County Commissioners of Hamilton County, Ohio, did order, on December 12, 2007, the preparation of detailed plans, specifications and estimate of cost for S.S. Project No. 5941, CIP 2008-29, Project ID 10270105, SSO 612 Removal; and

WHEREAS, the said detailed plans, specifications and estimate of cost for said S.S. Project No. 5941, CIP 2008-29, Project ID 10270105, SSO 612 Removal, have been completed and have been presented to this Board by the Hamilton County Sanitary Engineer (for the purposes of the Metropolitan Sewer District of Greater Cincinnati as authorized in the Resolution of February 28, 2007, Comm. Minutes, Vol. 305, Images 4190 - 4191), with his recommendation for approval by this Board.

NOW, THEREFORE, BE IT RESOLVED, that the aforesaid detailed plans, specifications and estimate of cost for S.S. Project No. 5941, CIP 2008-29, Project ID 10270105, SSO 612 Removal be, and the same are, hereby approved by this Board of County Commissioners.

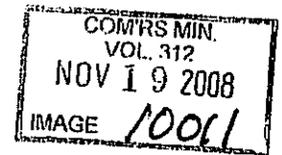
BE IT FURTHER RESOLVED, that this Board of County Commissioners hereby finds and determines that all formal actions relative to the adoption of this Resolution were taken in an open meeting of the Board of County Commissioners and that all deliberations of this Board of County Commissioners and of its committees, if any, which resulted in formal action were taken in meetings open to the public, in full compliance with applicable legal requirements, including Section 121.22 of the Ohio Revised Code.

ADOPTED at a regularly adjourned meeting of the Board of County Commissioners of Hamilton County, Ohio, this 19th day of November 2008.

Mr. DeWine YES

Mr. Pepper YES

Mr. Portune YES



RESOLUTION No. MSD 2008-0190

DECLARING THE NECESSITY TO CONSTRUCT

S.S. PROJECT NO. 5941, CIP 2008-29, PROJECT ID 10270105  
SSO 612 REMOVAL

THE METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI  
HAMILTON, COUNTY, OHIO

AND DETERMINING TO PROCEED WITH THE IMPROVEMENT

WHEREAS, this Board of County Commissioners of Hamilton County, Ohio has heretofore approved a General Plan for the construction, maintenance, and operation of a sanitary sewer system in the Metropolitan Sewer District of Greater Cincinnati, Hamilton County, Ohio (the "Metropolitan Sewer District"); and

WHEREAS, this Board did approve detailed plans, specifications, and estimate of cost for S.S. Project No. 5941, CIP 2008-29, Project ID 10270105, SSO 612 Removal, in the said Sewer District as hereinafter described have been approved by Resolution of even date herewith.

NOW, THEREFORE, BE IT RESOLVED, by the Board of County Commissioners of Hamilton County.

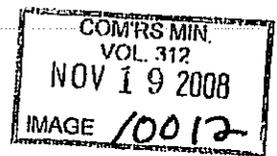
SECTION 1. That it is hereby declared necessary for the preservation and promotion of the public health and welfare to proceed with the construction of S.S. Project No. 5941, CIP 2008-29, Project ID 10270105, SSO 612 Removal.

SECTION 2. That the construction of S.S. Project No. 5941, CIP 2008-29, Project ID 10270105, SSO 612 Removal, together with the necessary appurtenances thereto, shall be in accordance with the General Plan of sewerage of the Metropolitan Sewer District. The estimated cost of construction including engineering and incidental expenses is \$519,400.

SECTION 3. That to provide a means to pay for the said improvement, bonds and certificates of indebtedness in anticipation thereof may be issued in accordance with Chapters 6117 and 133 of the Ohio Revised Code which will be retired from unencumbered sewerage service charge revenues of the Metropolitan Sewer District. No part of the cost of the said improvement shall be assessed against the benefited properties.

SECTION 4. That said S.S. Project No. 5941, CIP 2008-29, Project ID 10270105, SSO 612 Removal, together with the necessary appurtenances thereto, located within Hamilton Avenue and extends from St. Clair Avenue south 400 ft. in the Mill Creek sewershed of the Central Basin, in the City of Mt. Healthy, Hamilton County, Ohio, shall be constructed in the manner and of the materials set forth in the said detailed plans and specifications.

BE IT FURTHER RESOLVED, that S.S. Project No. 5941, CIP 2008-29, Project ID 10270105, SSO 612 Removal, in the Metropolitan Sewer District, be and the same is hereby ordered to be constructed in accordance with the plans and specifications heretofore adopted and approved by this Board, which hereby ratifies the same.



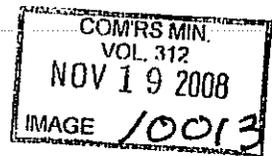
BE IT FURTHER RESOLVED, that this Board of County Commissioners hereby finds and determines that all formal actions relative to the adoption of this Resolution were taken in an open meeting of the Board of County Commissioners and that all deliberations of this Board of County Commissioners and of its committees, if any, which resulted in formal action were taken in meetings open to the public, in full compliance with applicable legal requirements, including Section 121.22 of the Ohio Revised Code.

ADOPTED at a regularly adjourned meeting of the Board of County Commissioners of Hamilton County, Ohio, this 19th day of November 2008.

Mr. DeWine YES

Mr. Pepper YES

Mr. Portune YES



RESOLUTION No. MSD 2008-0192

S.S. PROJECT NO. 5941, CIP 2008-29,  
PROJECT ID 10270105  
SSO 612 REMOVAL  
CAPITAL IMPROVEMENT PROGRAM  
APPROPRIATION

WHEREAS, annually this Board approves the Capital Improvement Program for the Metropolitan Sewer District of Greater Cincinnati, and

WHEREAS, it has been determined sufficient unappropriated funds are available for use by the Metropolitan Sewer District to temporarily finance construction costs prior to the issuance of long-term revenue bonds.

NOW, THEREFORE, BE IT RESOLVED, by the Board of County Commissioners of Hamilton County, Ohio, that the sum of three hundred seventy-eight thousand, five hundred dollars (\$378,500) currently existing in unappropriated funds available for use by the Metropolitan Sewer District in Capital Improvement Fund 704 maintained by the City of Cincinnati is hereby appropriated to pay costs incurred in connection with the following project:

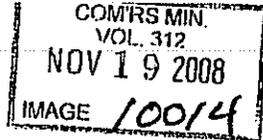
Sewer No. / CIP / & Project IDs	PROJECT	AMOUNT
S.S. No: 5941 CIP 2008-29 10270105	SSO 612 REMOVAL	\$378,500

BE IT FURTHER RESOLVED by the Board of County Commissioners of Hamilton County, Ohio as follows:

Section 1 Hamilton County, Ohio (the "County") may be expected to pay and/or incur costs with respect to the Project ("Prior Capital Expenditures") on or after the date of this resolution and prior to the issuance of the obligations (the "Obligations") which will finance the Project.

Section 2 The Board of County Commissioners hereby approves the use of the Obligations in the maximum principal amount of \$378,500 to finance the costs of the Project and declares its intent that any Prior Capital Expenditures made by the County will be made in anticipation of the issuance of such Obligations to reimburse said Prior Capital Expenditures. This declaration is made pursuant to Treas. Reg. Section 1.150-2 or any successor thereto.

Section 3 The County Administrator, the Executive Director of the Metropolitan Sewer District, the Director of Finance of the City of Cincinnati, the County Auditor and/or US Bank, N.A., as Trustee, each as applicable, are hereby authorized and directed to reimburse, not later than eighteen months after the later of (i) the date the original expenditure was paid or (ii) the date the item was placed in service, only those Prior Capital Expenditures made with respect to assets having a reasonably expected economic life of at least one year, and, in addition, eligible preliminary expenditures paid and incurred in connection with the Project from the Revenue Fund, Replacement and Improvement Account and/or the Surplus Account.



Section 4 The Board of County Commissioners finds and determines that, consistent with the County's budgetary and financial circumstances, it does not have funds currently available and does not expect to have funds available in the future that may be allocated on a long-term basis, other than the proceeds of the Obligations, to finance the Prior Capital Expenditures.

Section 5 The Board of County Commissioners hereby directs the County Administrator, the Executive Director of the Metropolitan Sewer District, the Director of Finance of the City of Cincinnati, the County Auditor and/or US Bank, N.A., as Trustee, each as applicable, to take the following action at the time the Prior Capital Expenditures are reimbursed from proceeds of the Obligations only if said reimbursement relieves the proceeds used for reimbursement from any restrictions imposed by both legal documents under which the Obligations were issued and applicable state law: (1) evidence the reimbursement on the books and records maintained with respect to the Obligations, and (2) identify either the actual prior expenditure to be reimbursed or, in the case of reimbursement of a fund or account, the fund or account from which the expenditure was paid.

Section 6 The books, records and proceedings of the County with respect to this resolution shall be made reasonably available by the County, for inspection by the general public at the County's administrative office every business day during normal business hours commencing no later than 30 days after the passage of this resolution. Said books, records and proceedings of the County with respect to this resolution will continue to be reasonably available to the general public until the date of issuance of the Obligations.

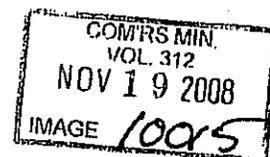
BE IT FURTHER RESOLVED, that this Board of County Commissioners hereby finds and determines that all formal actions relative to the adoption of this Resolution were taken in an open meeting of the Board of County Commissioners and that all deliberations of this Board of County Commissioners and of its committees, if any, which resulted in formal action were taken in meetings open to the public, in full compliance with applicable legal requirements, including Section 121.22 of the Ohio Revised Code.

ADOPTED at a regularly adjourned meeting of the Board of County Commissioners of Hamilton County, Ohio, this 19th day of November 2008.

Mr. DeWine YES

Mr. Pepper YES

Mr. Portune YES



RESOLUTION No. MSD 2008-0196

S.S. PROJECT NO. 5941, CIP 2008-29,  
PROJECT ID 10270105,  
SSO 612 REMOVAL

AUTHORIZING THE CITY MANAGER  
TO ADVERTISE FOR BIDS

WHEREAS, on a date even herewith this Board of County Commissioners of Hamilton County, Ohio, determined to proceed with the construction of Sanitary Sewer Project No. 5941, CIP 2008-29, Project ID 10270105, SSO 612 Removal, in the Metropolitan Sewer District of Greater Cincinnati, in accordance with the plans, specifications and estimate of cost, heretofore approved and ratified; and

WHEREAS, it is deemed advisable to proceed at once with the next legislative step required by law, which is the offering of said contract for competitive bidding.

NOW, THEREFORE, BE IT RESOLVED by the Board of County Commissioners of Hamilton County, Ohio, that the City Manager of Cincinnati, Ohio, is hereby authorized to proceed at once, at the earliest possible time, in accordance with the pertinent competitive bidding procedures and requirements set forth in the Ohio Revised Code, to advertise the contract for Sanitary Sewer Project No. 5941, CIP 2008-29, Project ID 10270105, SSO 612 Removal, in the Metropolitan Sewer District of Greater Cincinnati.

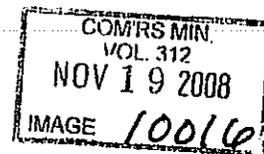
BE IT FURTHER RESOLVED, that this Board of County Commissioners hereby finds and determines that all formal actions relative to the adoption of this Resolution were taken in an open meeting of the Board of County Commissioners and that all deliberations of this Board of County Commissioners and of its committees, if any, which resulted in formal action were taken in meetings open to the public, in full compliance with applicable legal requirements, including Section 121.22 of the Ohio Revised Code.

ADOPTED at a regularly adjourned meeting of the Board of County Commissioners of Hamilton County, Ohio, this 19th day of November 2008.

Mr. DeWine YES

Mr. Pepper YES

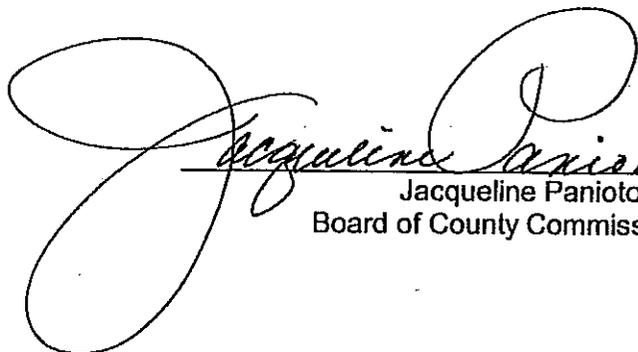
Mr. Portune YES



CERTIFICATE OF CLERK

IT IS HEREBY CERTIFIED that the foregoing is a true and correct transcript of resolutions adopted by the Board of County Commissioners in session this 19th day of November 2008.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Official Seal of the Office of the Board of County Commissioners of Hamilton County, Ohio this 19th day of November 2008.

  
\_\_\_\_\_  
Jacqueline Panioto, Clerk  
Board of County Commissioners

# Preliminary Modeling Report

## CIP 2008-29 Removal of SSO 612

### Project Summary

**CIP#:** 2008-29

**Location:** This project is located in the City of Mount Healthy.

**Project Name:** Removal of SSO 612

**Summary Description:** This project will replace approximately 386 feet of 10" sanitary sewer with 24" sanitary sewer.

**To Treatment Plant:** Mill Creek

**To CSO/SSO:** SSO 612.

**Sewer Shed and Basin:** West Branch Mill Creek

**Sewer Type:** Public Sanitary Gravity Sewer

**Flow Monitoring:** No new flow monitoring was initiated.

**Are photographs included?** No

**Is project in WWIP or WPCLF?** No.

### Disclaimer

The information contained in this modeling report is based on data from the System Wide Model – Mill Creek, calibrated and completed in January 2002. The modeling information is based on sewer system data collected at that time and may not necessarily reflect present conditions in the field.

The results of all analyses presented in this report are for planning purposes only. The sizes of any conveyance or storage alternatives presented in this report should be verified and refined during detailed design. Detailed design should also determine whether the results presented in this report meet the MSD rules and regulations for the design of sanitary or storm sewers for both dry- and wet-weather.

**Modeler:** Chris Chaney

**Date:** September 12, 2007

### Modeling Problem Definition

The model request (MR-0616) was to simulate the removal of SSO 612 by replacing approximately 386 feet of 10" sewer with 24" sewer, and SSO 1003 removal by replacing approximately 876 feet of 10" sewer with 24" sewer.

## Modeling Assumptions

The existing System Wide Model (Mill Creek Basin), developed and calibrated during the year 2002, was used in all model simulations. The analyses were performed using the 10-year, 24-hour SCS Type II design storms.

The subject sewer was not directly flow monitored during model development and calibration. Flow monitoring conducted downstream during model development is considered adequate for this model request.

## Results

**Figure 1** shows the 2-year design storm profile for the existing sewer between manholes 30307017 and 30312003. The peak HGL is contained within the pipe downstream of manhole 30310021. The existing 10" sewer between SSO 612 (manhole 30310002) and manhole 30310021 is surcharged above the pipe crown, causing a peak overflow of 1.0 cfs from SSO 612.

**Figure 2** shows the 10-year design storm profile for the existing sewer between manholes 30307017 and 30312003. The peak HGL is contained within the pipe downstream of manhole 30310021. The existing 10" sewer between SSO 612 (manhole 30310002) and manhole 30310021 is surcharged above the pipe crown, causing a peak overflow of 1.1 cfs from SSO 612.

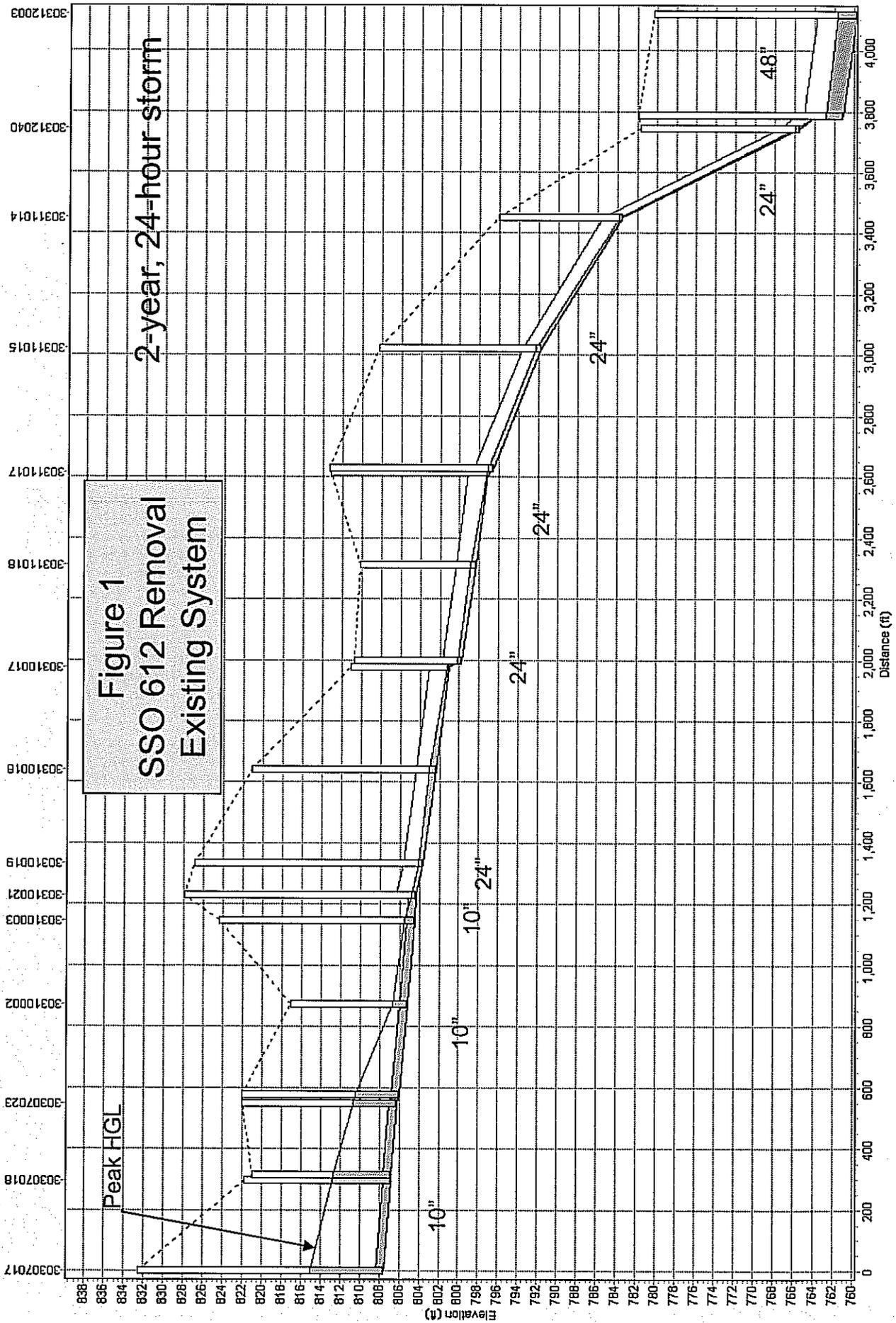
**Figure 3** shows the 2-year design storm profile for the proposed 24" sewer between manholes 30310002 and 30310021, and the existing sewer downstream to manhole 30312003. The peak HGL is contained within the pipe along the entire profile. There is no overflow from SSO 612 for this scenario. There is no significant downstream impact shown by the model following SSO 612 removal.

**Figure 4** shows the 10-year design storm profile for the proposed 24" sewer between manholes 30310002 and 30310021, and the existing sewer downstream to manhole 30312003. The peak HGL is contained within the pipe along the entire profile. There is no overflow from SSO 612 for this scenario. There is no significant downstream impact shown by the model following SSO 612 removal.

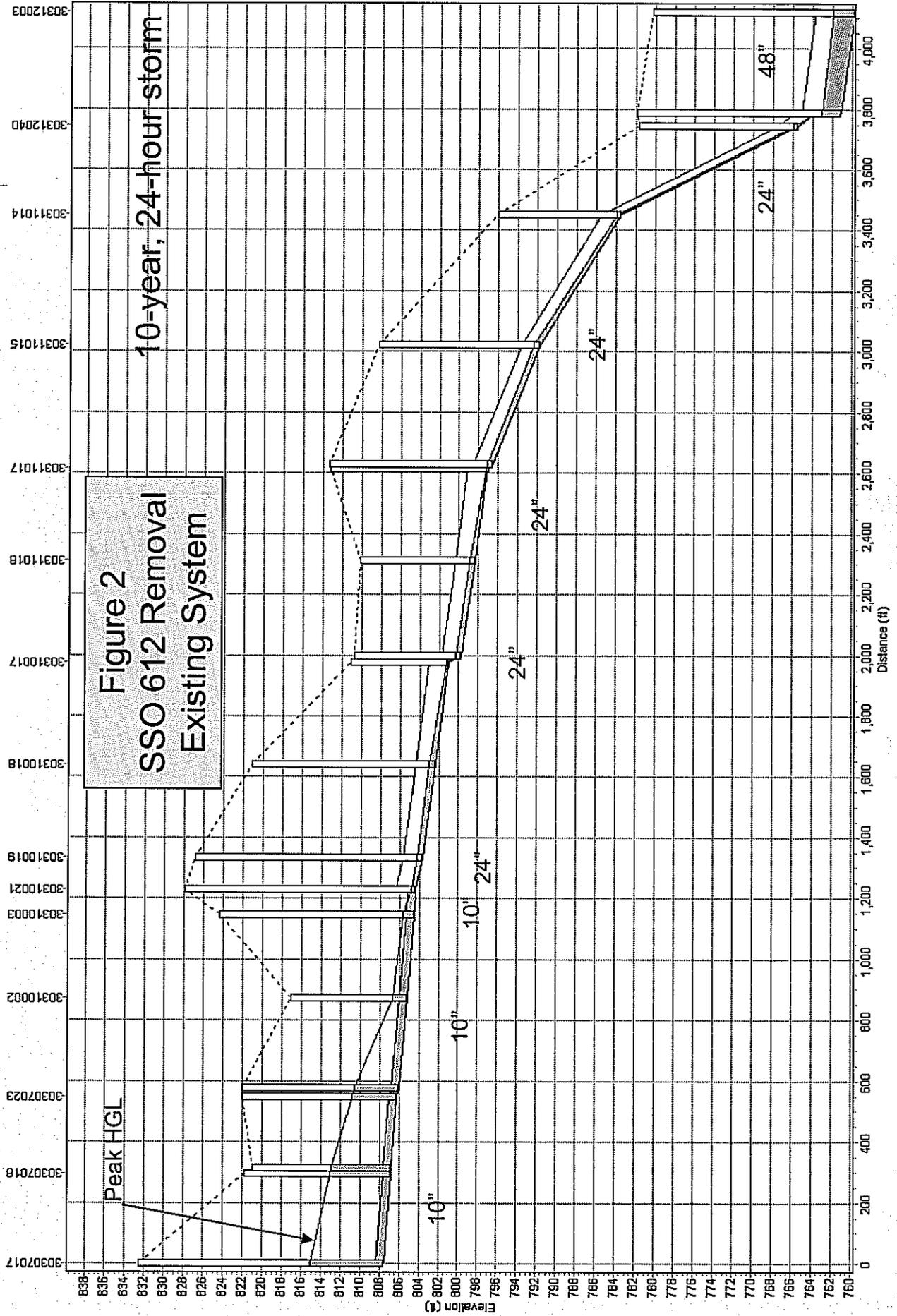
**Figure 5** shows the 2-year design storm profile for the proposed 24" sewer between manholes 30307017 and 30310021, and the existing sewer downstream to manhole 30312003. The peak HGL is contained within the pipe along the entire profile. There is no overflow from SSO 612 or SSO 1003 for this scenario. There is no significant downstream impact shown by the model following SSO 612/1003 removal.

**Figure 6** shows the 10-year design storm profile for the proposed 24" sewer between manholes 30307017 and 30310021, and the existing sewer downstream to manhole 30312003. The peak HGL is contained within the pipe along the entire profile. There is no overflow from SSO 612 or SSO 1003 for this scenario. There is no significant downstream impact shown by the model following SSO 612/1003 removal.

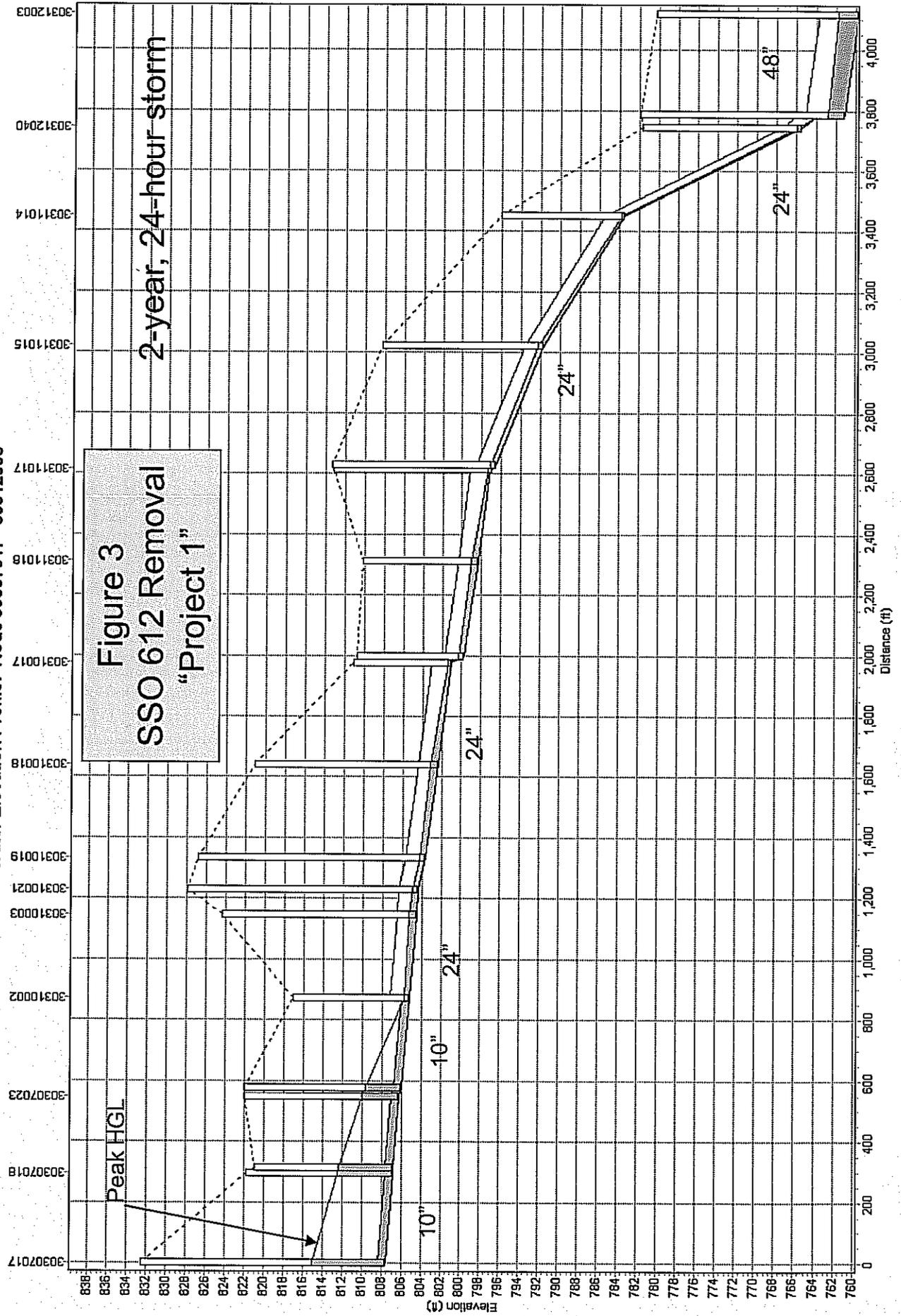
Water Elevation Profile: Node 30307017 - 30312003



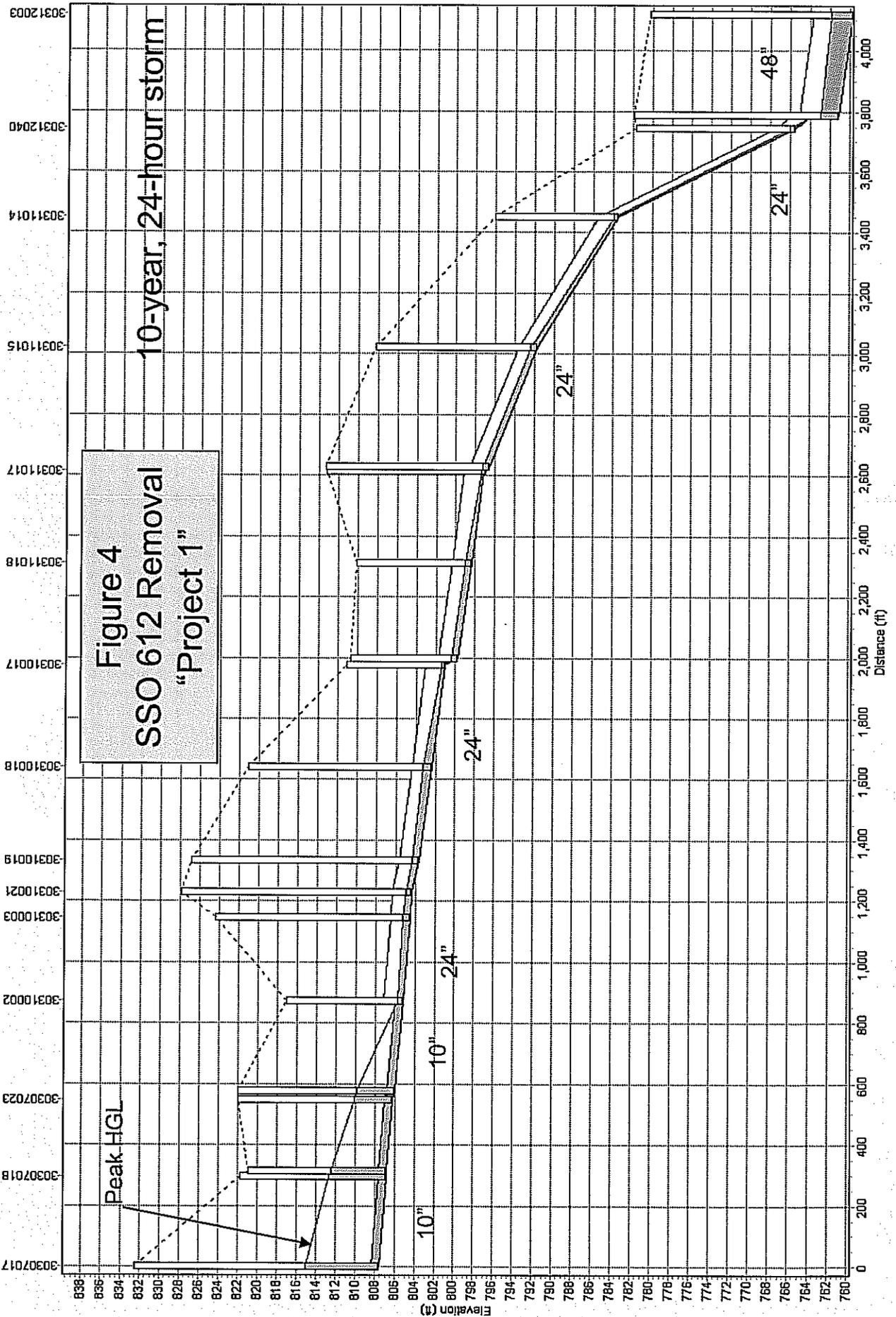
Water Elevation Profile: Node 30307017 - 30312003



Water Elevation Profile: Node 30307017 - 30312003



Water Elevation Profile: Node 30307017 - 30312003



Water Elevation Profile: Node 30307017 - 30312003

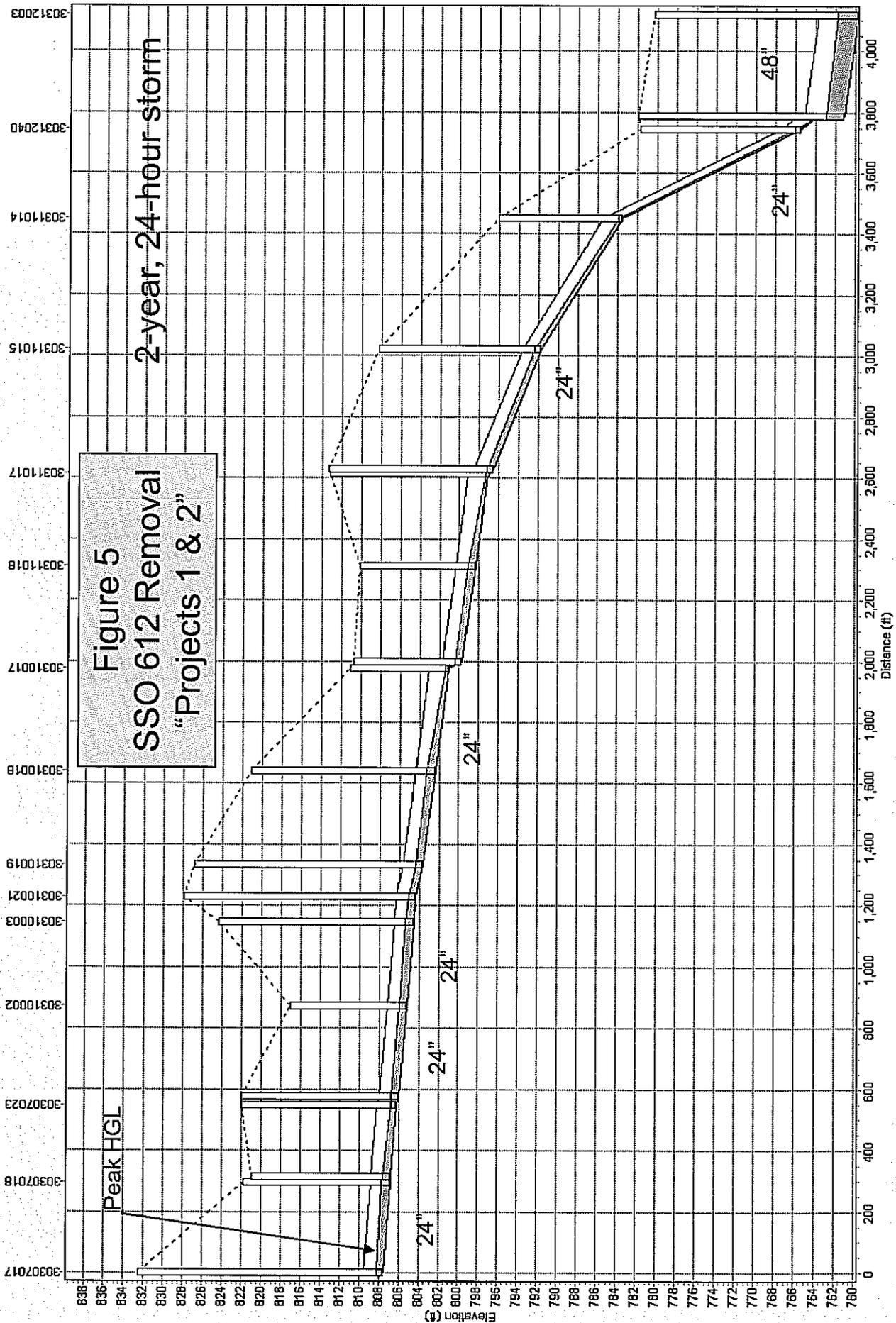


Figure 5  
SSO 612 Removal  
"Projects 1 & 2"

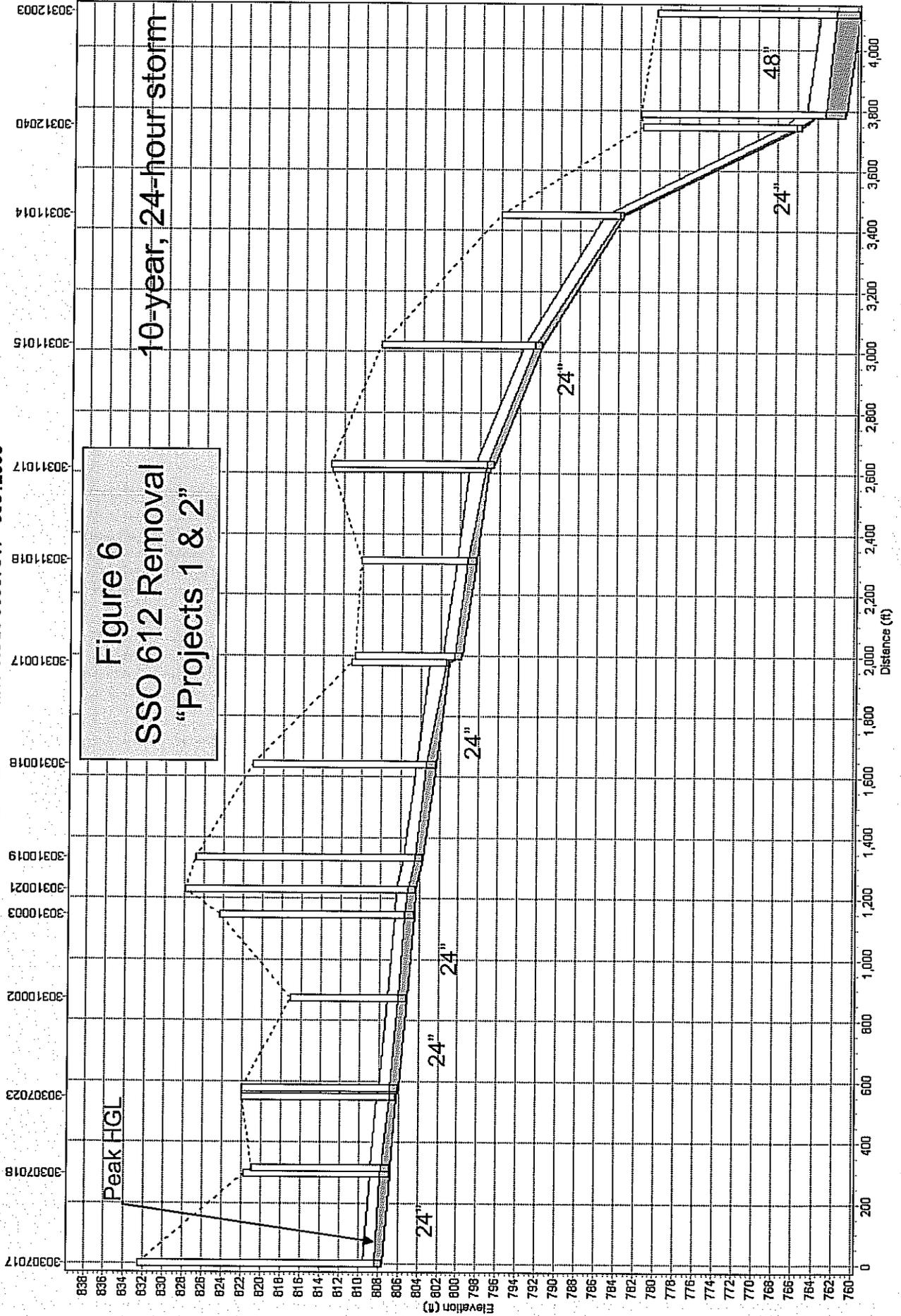
2-year, 24-hour storm

Peak HGL

Elevation (ft)

Distance (ft)

Water Elevation Profile: Node 30307017 - 30312003



**ATTACHMENT C**  
**AFFECTED SERVICE AREA**

**SSO 612 REMOVAL PROJECT  
: AREA PHOTOGRAPHS**

**PHOTO #1:** Heritage Park Pond – Looking East

**DATE:** November 30<sup>th</sup>, 2008



**NOTES:**

This photo was taken from the paved walking/biking path that surrounds Heritage Park pond. The photographer is standing approximately thirty feet east of the edge of Hamilton Ave, looking due east. The headwall for the box culvert that conveys SSO 612 overflows to the pond is visible in the foreground. Also visible in the foreground, at the left side of the headwall, is the sign that warns of sanitary sewer overflows and the associate health risk.

**SSO 612 REMOVAL PROJECT  
AREA PHOTOGRAPHS**

**PHOTO #2:** Sanitary Sewer Overflow #612

**DATE:** November 30<sup>th</sup>, 2008



**NOTES:**

The photographer is standing at the west edge of Heritage Park pond looking west. The photo shows the headwall of the box culvert that conveys SSO 612 overflows to the pond as well as the sign that warns of sanitary sewer overflows and the associate health risk. The pedestrian in the background is standing on the paved walking/biking path. The car in the background is northbound on Hamilton Ave.

**SSO 612 REMOVAL PROJECT  
AREA PHOTOGRAPHS**

**PHOTO #3:** Box Culvert

**DATE:** November 30<sup>th</sup>, 2008



**NOTES:**

The photographer is standing at the outfall (east end) of the box culvert looking through the culvert. Light from the park on the other side of Hamilton Ave can be seen.

**SSO 612 REMOVAL PROJECT  
AREA PHOTOGRAPHS**

**PHOTO #4:** Pond Overflow Structure

**DATE:** November 30<sup>th</sup>, 2008



**NOTES:**

The photographer is standing on the walking/biking path near the southeast corner of the park looking northeast. The walking/biking path and bridge over the pond outfall can be seen in the background.

**SSO 612 REMOVAL PROJECT  
AREA PHOTOGRAPHS**

**PHOTO #5:** Pond Outfall

**DATE:** November 30<sup>th</sup>, 2008



**NOTES:**

The photographer is standing southeast of the Heritage Park pond looking north to the pond outfall. Pedestrians on the walking/biking path bridge indicate scale. The pond outfall is conveyed to a stream that is tributary to Winton Lake.

**SSO 612 REMOVAL PROJECT  
AREA PHOTOGRAPHS**

**PHOTO #6:** Heritage Park Pond – Looking West

**DATE:** November 30<sup>th</sup>, 2008



**NOTES:**

The photographer is standing on the walking/biking path at the east edge of Heritage Park pond looking west. The pond overflow structure can be seen in the foreground. Vehicle traffic on Hamilton Ave can be seen in the background. The exit ramp from Cross County Highway (SR 126) and accompanying signage can be seen to the left.

# TV INSPECTION REPORT

Metropolitan Sewer District  
Wastewater Collection Division

Sewer Segment: 30310002-30310003

Maintenance Number: 01741-08

**M S D** TV Date: 06/26/2008

Company: **MSD**

Crewleader: **Ed Bilby**

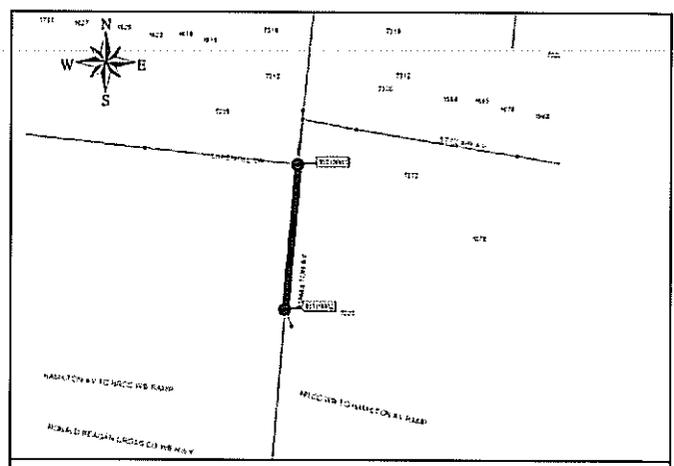
Street: **7272 HAMILTON AVE**

Municipality: **MT HEALTHY**

Direction: **Downstream**

Weather: **Dry**

Work Location: **Main Highway - Urban**



Sewer Segment: **30310002-30310003**

Type of Pipe: **Polyethylene** Length: **2'**

Pipe Size: **10"** US MH Depth: **.NULL.**

Section Length: **0'** DS MH Depth: **.NULL.**

Footage	Condition	Degree	Clock Position	Continuous Comments
0.00	AMH: Access Point - Manhole			30310002
0.00	MWL: Water Level			
1.90	MSA: Survey Abandoned			DOTWO TO MUCH WATER COULD NOTSEE EVEN WITH FLOW CONTROL

**Additional Info:**

**Reviewer's Comments:**

.NULL.



# TV INSPECTION REPORT

Metropolitan Sewer District  
Wastewater Collection Division

Sewer Segment: 30310002-30310003

Maintenance Number: 03672-06

TV Date: **August 24, 2006**

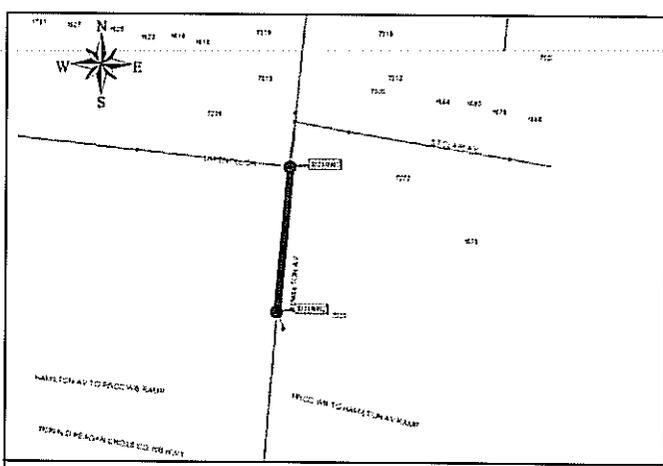
Company: **SWS**

Crewleader: **BEDEL**

Municipality: **MNTHTY**

US Address: **HAMILTON AV**

DS Address: **HAMILTON AV**



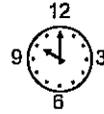
Sewer Segment: **30310002-30310003**

Type of Pipe: **LINED** Length: **271.21'**

Pipe Size: **10"** US MH Depth: **14.00'**

Section Length: **0'** DS MH Depth: **17.30'**

Video Tape No: **10957** Start Manhole: **30310002** Work Location: **STREET PAVEMENT**  
 Start: **00:00.00** Type of TV: **MAINLINE** Surface Cover: **ASPHALT**  
 Stop: **00:13.06** Direction: **DS** Weather: **SUNNY**  
 Structural Rating: **1** 1-ok 2-future oval  
 Maintenance Rating: **2** 3-need work  
4-emergency

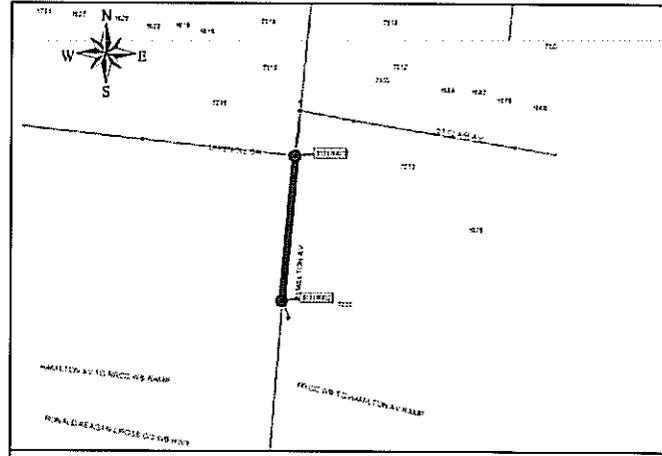


Footage	Condition	Degree	Clock	Ovality	Comments
0.0	START INSPECTION			0.00	MIDDLE OF MH 30310002
2.0	PIPE W/ GREASE	BEGIN		0.00	LIGHT
13.3	PIPE W/ PONDING	BEGIN		0.00	
21.9	PIPE W/ PONDING	END		0.00	
25.5	PIPE W/ PONDING	BEGIN		0.00	
55.3	PIPE W/ PONDING	END		0.00	
61.4	PIPE W/ PONDING	BEGIN		0.00	
71.4	PIPE W/ PONDING	END		0.00	
80.5	PIPE W/ PONDING	BEGIN		0.00	
87.6	PIPE W/ PONDING	END		0.00	
106.2	TAP W/ DEPOSITS	MEDIUM	9	0.00	
119.5	PIPE W/ PONDING	BEGIN		0.00	
139.9	PIPE W/ PONDING	END		0.00	
198.9	PIPE W/ PONDING	BEGIN		0.00	
210.0	SUBMERGED	BEGIN		0.00	PARTIALLY
222.9	SUBMERGED	END		0.00	PARTIALLY
268.1	PIPE W/ PONDING	END		0.00	
268.1	PIPE W/ GREASE	END		0.00	LIGHT
270.3	COMPLETE INSPECTION			0.00	MIDDLE OF MH 30310003

**Inspector's Comments:**  
 Note: There is ponding water in channel of manhole 30310003.



**TV INSPECTION REPORT**  
 Metropolitan Sewer District  
 Wastewater Collection Division  
 Sewer Segment: 30310002-30310003  
 Maintenance Number: 03672-06



TV Date: **August 24, 2006**

Company: **SWS**

Crewleader: **BEDEL**

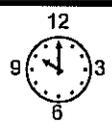
Municipality: **MNTHTY**

US Address: **HAMILTON AV**

DS Address: **HAMILTON AV**

Sewer Segment: **30310002-30310003**  
 Type of Pipe: **LINED** Length: **271.21'**  
 Pipe Size: **10"** US MH Depth: **14.00'**  
 Section Length: **0'** DS MH Depth: **17.30'**

Video Tape No: **10957** Start Manhole: **30310002**  
 Start: **00:00.00** Type of TV: **MAINLINE**  
 Stop: **00:13.06** Direction: **DS**  
 Structural Rating: **1** 1-ok 2-future eval 3-need work 4-emergency  
 Maintenance Rating: **2**  
 Work Location: **STREET PAVEMENT**  
 Surface Cover: **ASPHALT**  
 Weather: **SUNNY**



Footage	Condition	Degree	Clock	Ovality	Comments
0.0	START INSPECTION			0.00	MIDDLE OF MH 30310002
2.0	PIPE W/ GREASE	BEGIN		0.00	LIGHT
13.3	PIPE W/ PONDING	BEGIN		0.00	
21.9	PIPE W/ PONDING	END		0.00	
25.5	PIPE W/ PONDING	BEGIN		0.00	
55.3	PIPE W/ PONDING	END		0.00	
61.4	PIPE W/ PONDING	BEGIN		0.00	
71.4	PIPE W/ PONDING	END		0.00	
80.5	PIPE W/ PONDING	BEGIN		0.00	
87.6	PIPE W/ PONDING	END		0.00	
106.2	TAP W/ DEPOSITS	MEDIUM	9	0.00	
119.5	PIPE W/ PONDING	BEGIN		0.00	
139.9	PIPE W/ PONDING	END		0.00	
198.9	PIPE W/ PONDING	BEGIN		0.00	
210.0	SUBMERGED	BEGIN		0.00	PARTIALLY
222.9	SUBMERGED	END		0.00	PARTIALLY
268.1	PIPE W/ PONDING	END		0.00	
268.1	PIPE W/ GREASE	END		0.00	LIGHT
270.3	COMPLETE INSPECTION			0.00	MIDDLE OF MH 30310003

**Inspector's Comments:**  
 Note: There is ponding water in channel of manhole 30310003.



Video Tape No: 10957

Start Manhole: 30310003

Work Location: STREET PAVEMENT

Start: 00:13.06

Type of TV: MAINLINE



Surface Cover: ASPHALT

Stop: 00:25.14

Direction: DS

Weather: SUNNY

Structural Rating: 3  
Maintenance Rating: 3

1-ok 2-future eval  
3-need work  
4-emergency

Footage	Condition	Degree	Clock	Ovality	Comments
71.8	PVC	BEGIN		0.00	PIPE REPAIR; W/Joint OFFSET
81.5	PVC	END		0.00	PIPE REPAIR
81.5	PIPE W/ PONDING	END		0.00	
83.6	COMPLETE INSPECTION			0.00	MIDDLE OF MH 30300021

**Inspector's Comments:**

**Reviewer's Comments:**  
 COPIED TO J. WEIMER TO RE-TV WITH FLOW CONTROL NEED TO SEE ENTIRE PIPE TO MODEL REPAIRS RJB  
 10/30/06

**ATTACHMENT B**  
**MODELING REPORT**

# ADDITIONAL SUPPORT INFORMATION

For Program Year 2010 (July 1, 2010 through June 30, 2011), applying agencies shall provide the following support information to help determine which projects will be funded. Information on this form must be accurate, and where called for, based on sound engineering principles. Documentation to substantiate the individual items, as noted, is required. The applicant should also use the rating system and its' addendum as a guide. The examples listed in this addendum are not a complete list, but only a small sampling of situations that may be relevant to a given project.

**IF YOU ARE APPLYING FOR A GRANT, WILL YOU BE WILLING TO ACCEPT A LOAN IF ASKED BY THE DISTRICT?  X  YES   NO (ANSWER REQUIRED)**

Note: Answering "Yes" will not increase your score and answering "NO" will not decrease your score.

## 1) What is the physical condition of the existing infrastructure that is to be replaced or repaired?

Give a statement of the nature of the deficient conditions of the present facility exclusive of capacity, serviceability, health and/or safety issues. If known, give the approximate age of the infrastructure to be replaced, repaired, or expanded. Use documentation (if possible) to support your statement. Documentation may include (but is not limited to): ODOT BR86 reports, pavement management condition reports, televised underground system reports, age inventory reports, maintenance records, etc., and will only be considered if included in the original application.

The sanitary sewer line to be replaced is 10-inch vitrified clay pipe that was installed in 1925. The condition of most of the pipe is relatively unknown due to an inability to video the pipe because of significant ponding in the pipe. Pipe that was able to be videoed was found to be in fair to poor condition, as documented in the TV Inspection Reports in Attachment A. However, the focus of the project is not only to replace antiquated infrastructure, but to replace obsolete sanitary sewer overflow technology for the benefit of the environment as well as the health and safety of the community. At the time of its construction, SSO 612 was not only acceptable practice, but state of the art. MSD is striving to eliminate all SSOs during the course of routine asset management not only to provide the benefits previously mentioned, but to create a more efficient and sustainable system.

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## 2) How important is the project to the safety of the Public and the citizens of the District and/or service area?

Give a statement of the projects effect on the safety of the service area. The design of the project is intended to reduce existing accident rate, promote safer conditions, and reduce the danger of risk, liability or injury. (Typical examples may include the effects of the completed project on accident rates, emergency response time, fire protection, and highway capacity.) Please be specific and provide documentation if necessary to substantiate the data. The applicant must demonstrate the type of problems that exist, the frequency and severity of the problems and the method of correction.

The elimination of SSO 612 will have positive impact on public safety as commonly associated with physical hazards by eliminating sudden discharges into a box culvert that is accessible by local residents. SSO 612 overflows into a box culvert that runs perpendicular to Hamilton Avenue underneath the roadway and discharges into the Heritage Park pond. The box culvert, both ends of which are located in a park frequented by area children, is large enough to be accessed by a child.

**3) How important is the project to the health of the Public and the citizens of the District and/or service area?**

Give a statement of the project's effect on the health of the service area. The design of the project will improve the overall condition of the facility so as to reduce or eliminate potential for disease, or correct concerns regarding the environmental health of the area. (Typical examples may include the effects of the completed project by improving or adding storm drainage or sanitary facilities, etc.). Please be specific and provide documentation if necessary to substantiate the data. The applying agency must demonstrate the type of problems that exist, the frequency and severity of the problems and the method of correction.

The elimination of SSO 612 is critical to mitigating existing biological and chemical hazards to public health resulting from the discharge of untreated sewage into the community. Based on system monitoring and modeling, SSO 612 overflowed 16 times in 2007 and 11 times in 2008 and discharges approximately 100,000 gallons of untreated sewage during typical year loading. The SSO discharges directly into a park pond that serves as an active green space for residents of the surrounding community. The pond is surrounded by a foot/bike path and park benches. The extent of contact by community residents is evidenced by worn paths connecting the paved path to the edge of the pond. Residents are often seen fishing the pond or playing next to the contaminated water. Furthermore, Heritage Park pond is designed to overflow into a stream which is tributary to Winton Lake, located in the Hamilton County Park of Winton Woods, a heavily utilized recreational area. The elimination of SSO 612 will no doubt yield health benefits to the surrounding community as well as the outlying service area.

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**4) Does the project help meet the infrastructure repair and replacement needs of the applying jurisdiction?**

The applying agency must submit a listing in priority order of the projects for which it is applying. Points will be awarded on the basis of most to least importance.

Priority 1 SSO 612 Removal Project

Priority 2 \_\_\_\_\_

**5) To what extent will the user fee funded agency be participating in the funding of the project?**

(examples: rates for water or sewer, frontage assessments, etc.).

This project will be funded 100% by rate payer user fees.

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**6) Economic Growth – How will the completed project enhance economic growth?**

Give a statement of the projects effect on economic growth.

A clean and unsewered pond may not result in immediate economic growth, but will promote benefits in the quality of life for the surrounding community, a key ingredient in attracting visitors and retaining residents. A revitalization of the park on the heels of water quality improvements may draw interest to an adjacent vacant businesses.

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**7) Matching Funds - LOCAL**

The information regarding local matching funds is to be filed by the applying agency in Section 1.2 (b) of the Ohio Public Works Association's "Application For Financial Assistance" form.

**8) Matching Funds - OTHER**

The information regarding local matching funds is to be filed by the applying agency in Section 1.2 (c) of the Ohio Public Works Association's "Application For Financial Assistance" form. If MRF funds are being used for matching funds, the MRF application must have been filed by **Monday, August 31, 2009** for this project with the Hamilton County Engineer's Office. List below all "other" funding the source(s).

Not Applicable

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**9) Will the project alleviate serious capacity problems or respond to the future level of service needs of the district?**

Describe how the proposed project will alleviate serious capacity problems (be specific).

The proposed project is intended to provide in-line storage capacity in the affected section of pipe during increased loading necessary to effectively eliminate SSO 612, rather than to provide additional user capacity to generate revenue. However, newly installed or repaired sanitary sewer within the MSDGC service area are designed to provide capacity for existing and projected growth through 2025 along with wet weather flows modeled for precipitation events of ten year return frequency and 24 hour duration, or the 10-year, 24-hour storm event. Modeling results demonstrating that the proposed 24-inch sewer is designed to contain the 10-year, 24-hour storm event are included in Attachment B

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**10) If SCIP/LTIP funds were granted, when would the construction contract be awarded?**

If SCIP/LTIP funds are awarded, how soon after receiving the Project Agreement from OPWC (tentatively set for July 1 of the year following the deadline for applications) would the project be under contract? The Support Staff will review status reports of previous projects to help judge the accuracy of a jurisdiction's anticipated project schedule.

Number of months 1

- a.) Are preliminary plans or engineering completed? Yes X No \_\_\_\_\_ N/A \_\_\_\_\_
- b.) Are detailed construction plans completed? Yes X No \_\_\_\_\_ N/A \_\_\_\_\_
- c.) Are all utility coordination's completed? Yes X No \_\_\_\_\_ N/A \_\_\_\_\_
- d.) Are all right-of-way and easements acquired (if applicable)? Yes \_\_\_\_\_ No \_\_\_\_\_ N/A X

If no, how many parcels needed for project? \_\_\_\_\_ Of these, how many are: Takes \_\_\_\_\_  
 Temporary \_\_\_\_\_  
 Permanent \_\_\_\_\_

For any parcels not yet acquired, explain the status of the ROW acquisition process for this project.

\_\_\_\_\_  
\_\_\_\_\_

e.) Give an estimate of time needed to complete any item above not yet completed. \_\_\_\_\_ Months.

**11) Does the infrastructure have regional impact?**

Give a brief statement concerning the regional significance of the infrastructure to be replaced, repaired, or expanded.

The project will have regional impact as a component of the overall elimination of SSOs within the MSD system leading to substantial social and environmental benefits across the entire service area.

**12) What is the overall economic health of the jurisdiction?**

The District 2 Integrating Committee predetermines the jurisdiction's economic health. The economic health of a jurisdiction may periodically be adjusted when census and other budgetary data are updated.

**13) Has any formal action by a federal, state, or local government agency resulted in a partial or complete ban of the usage or expansion of the usage for the involved infrastructure?**

Describe what formal action has been taken which resulted in a ban of the use of or expansion of use for the involved infrastructure? Typical examples include weight limits, truck restrictions, and moratoriums or limitations on issuance of building permits, etc. The ban must have been caused by a structural or operational problem to be considered valid. Submission of a copy of the approved legislation would be helpful.

No  
\_\_\_\_\_

Will the ban be removed after the project is completed? Yes \_\_\_\_\_ No \_\_\_\_\_ N/A X

**14) What is the total number of existing daily users that will benefit as a result of the proposed project?**

For roads and bridges, multiply current Average Daily Traffic (ADT) by 1.20. For inclusion of public transit, submit documentation substantiating the count. Where the facility currently has any restrictions or is partially closed, use documented traffic counts prior to the restriction. For storm sewers, sanitary sewers, water lines, and other related facilities, multiply the number of households in the service area by 4. User information must be documented and certified by a Professional Engineer (signed and sealed).

Water/Sewer:	Homes	<u>282</u> X 4.00 =	<u>1,128</u> Users
Park Users*:	Mt Healthy Pop.	<u>7,149</u> X 20% =	<u>1,430</u> Users
	N. College Hill Pop.	<u>10,082</u> X 10% =	<u>1,430</u> Users
<b>Total Users:</b>			<b><u>3,566</u> Users</b>

\* The number of daily users affected by the elimination of SSO 612 is not limited to the 1,128 customers connected to the section of sanitary sewer to be replaced and upgraded, but also considers 20% of the community of Mount Healthy (population 7,149) and 10% of the community of North College Hill (population 10,082), for a total of 3,566 users. Also, note that while the project location is in Mount Healthy, the affected sanitary sewer service area, as shown in Attachment C, is located in North College Hill. The signed and sealed user information is provided in Attachment D.

**15) Has the jurisdiction enacted the optional \$5 license plate fee, an infrastructure levy, a user fee, or dedicated tax for the pertinent infrastructure?**

The applying jurisdiction shall list what type of fees, levies or taxes they have dedicated toward the type of infrastructure being applied for. (Check all that apply) Bonds are not eligible for points in this category.

- Optional \$5.00 License Tax \_\_\_\_\_
- Infrastructure Levy \_\_\_\_\_ Specify type \_\_\_\_\_
- Facility Users Fee \_\_\_\_\_ Specify type \_\_\_\_\_
- Dedicated Tax \_\_\_\_\_ Specify type \_\_\_\_\_
- Other Fee, Levy or Tax \_\_\_\_\_ Specify type \_\_\_\_\_

**SCIP/LTIP PROGRAM  
ROUND 24 - PROGRAM YEAR 2010  
PROJECT SELECTION CRITERIA  
JULY 1, 2010 TO JUNE 30, 2011**

NAME OF APPLICANT: HAMILTON COUNTY MSD  
NAME OF PROJECT: SSO 612 REMOVAL  
RATING TEAM: 3

**General Statement for Rating Criteria**

Points awarded for all items will be based on engineering experience, field verification, application information and other information supplied by the applying agency, which is deemed to be relevant by the Support Staff. The examples listed in this addendum are not a complete list, but only a small sampling of situations that may be relevant to a given project.

**CIRCLE THE APPROPRIATE RATING**

1) What is the physical condition of the existing infrastructure that is to be replaced or repaired?

- 25 - Failed
- 23 - Critical
- 20 - Very Poor
- 17 - Poor
- 15 - Moderately Poor
- 10 - Moderately Fair
- 5 - Fair Condition
- 0 - Good or Better

Appeal Score

\_\_\_\_\_

**Criterion 1 - Condition**

Condition of the particular infrastructure to be repaired, reconstructed or replaced shall be a measure of the degree of reduction in condition from its original state. Historic pavement management data based on ASTM D6433-99 rating system may be submitted as documentation. Capacity, serviceability, safety and health shall not be considered in this criterion. Any documentation the Applicant wishes to be considered must be included in the application package.

**Definitions:**

**Failed Condition** - requires complete reconstruction where no part of the existing facility is salvageable. (E.g. Roads: complete reconstruction of roadway, curbs and base; Bridges: complete removal and replacement of bridge; Underground: removal and replacement of an underground drainage or water system.)

**Critical Condition** - requires partial reconstruction to maintain integrity. (E.g. Roads: reconstruction of roadway/curbs can be saved; Bridges: removal and replacement of bridge with abutment modification; Underground: removal and replacement of part of an underground drainage or water system.)

**Very Poor Condition** - requires extensive rehabilitation to maintain integrity. (E.g. Roads: extensive full depth, partial depth and curb repair of a roadway with a structural overlay; Bridges: superstructure replacement; Underground: repair of joints and/or replacement of pipe sections.)

**Poor Condition** - requires standard rehabilitation to maintain integrity. (E.g. Roads: moderate full depth, partial depth and curb repair to a roadway with no structural overlay needed or structural overlay with minor repairs to a roadway needed; Bridges: extensive patching of substructure and replacement of deck; Underground: insituform or other in ground repairs.)

**Moderately Poor Condition** - requires minor rehabilitation to maintain integrity. (E.g. Roads: minor full depth, partial depth or curb repairs to a roadway with either a thin overlay or no overlay needed; Bridges: major structural patching and/or major deck repair.)

**Moderately Fair Condition** - requires extensive maintenance to maintain integrity. (E.g. Roads: thin or no overlay with extensive crack sealing, minor partial depth and/or slurry or rejuvenation; Bridges: minor structural patching, deck repair, erosion control.)

**Fair Condition** - requires routine maintenance to maintain integrity. (E.g. Roads: slurry seal, rejuvenation or routine crack sealing to the roadway; Bridges: minor structural patching.)

**Good or Better Condition** - little to no maintenance required to maintain integrity.

**Note:** If the infrastructure is in "good" or better condition, it will **NOT** be considered for SCIP/LTIP funding unless it is an expansion project that will improve serviceability.

2) How important is the project to the safety of the Public and the citizens of the District and/or service area?

- 25 - Highly significant importance
- 20 - Considerably significant importance
- 15 - Moderate importance
- 10 - Minimal importance
- 5 - Poorly documented importance
- 0 - No measurable impact

Appeal Score

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**Criterion 2 – Safety**

The applying agency shall include in its application the type of deficiency that currently exists and how the intended project would improve the situation. For example, have there been vehicular accidents attributable to the problems cited? Have they involved injuries or fatalities? In the case of water systems, are existing hydrants non-functional? In the case of water lines, is the present capacity inadequate to provide volumes or pressure for adequate fire protection? **In all cases, specific documentation is required.** Mentioned problems, which are poorly documented, generally will not receive more than 5 points.

**Note:** Each project is looked at on an individual basis to determine if any aspects of this category apply. **Examples given above are NOT intended to be exclusive.**

3) How important is the project to the health of the Public and the citizens of the District and/or service area?

- 25 - Highly significant importance
- 20 - Considerably significant importance
- 15 - Moderate importance
- 10 - Minimal importance
- 5 - Poorly documented importance
- 0 - No measurable impact

Appeal Score

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**Criterion 3 – Health**

The applying agency shall include in its application the type, frequency, and severity of the health problem that would be eliminated or reduced by the intended project. For example, can the problem be eliminated only by the project, or would routine maintenance be satisfactory? If basement flooding has occurred, was it storm water or sanitary flow? What complaints if any are recorded? In the case of underground improvements, how will they improve health if they are storm sewers? How would improved sanitary sewers improve health or reduce health risk? **In all cases, quantified documentation is required.** Mentioned problems, which are poorly documented, generally will not receive more than 5 points.

**Note:** Each project is looked at on an individual basis to determine if any aspects of this category apply. **Examples given above are NOT intended to be exclusive.**

4) Does the project help meet the infrastructure repair and replacement needs of the applying agency?

Note: Applying agency's priority listing (part of the Additional Support Information) must be filed with application(s).

- 25 - First priority project
- 20 - Second priority project
- 15 - Third priority project
- 10 - Fourth priority project
- 5 - Fifth priority project or lower

Appeal Score

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**Criterion 4 – Jurisdiction's Priority Listing**

The applying agency **must** submit a listing in priority order of the projects for which it is applying. Points will be awarded on the basis of most to least importance. The form is included in the Additional Support Information.

5) To what extent will a user fee funded agency be participating in the funding of the project?

- 10 - Less than 10%
- 9 - 10% to 19.99%
- 8 - 20% to 29.99%
- 7 - 30% to 39.99%
- 6 - 40% to 49.99%
- 5 - 50% to 59.99%
- 4 - 60% to 69.99%
- 3 - 70% to 79.99%
- 2 - 80% to 89.99%
- 1 - 90% to 95%
- 0 - Above 95%

100% USER FEE FUNDED

Appeal Score \_\_\_\_\_

Criterion 5 - User Fee-funded Agency Participation

To what extent will a user fee funded agency be participating in the funding of the project? (Example: rates for water or sewer, frontage assessments, etc.). The applying agency must submit documentation.

6) Economic Growth - How the completed project will enhance economic growth (See definitions).

- 10 - The project will directly secure new employment
- 5 - The project will permit more development
- 0 - The project will not impact development

Appeal Score \_\_\_\_\_

Criterion 6 - Economic Growth

Will the completed project enhance economic growth and/or development?

Definitions:

**Secure new employment:** The project as designed will secure development/employers, which will immediately add new permanent employees. The applying agency must submit details.

**Permit more development:** The project as designed will permit additional business development/employment. The applying agency must supply details.

**The project will not impact development:** The project will have no impact on business development.

Note: Each project is looked at on an individual basis to determine if any aspects of this category apply.

7) Matching Funds - LOCAL

- 10 - This project is a loan or credit enhancement
- 10 - 50% or higher
- 8 - 40% to 49.99%
- 6 - 30% to 39.99%
- 4 - 20% to 29.99%
- 2 - 10% to 19.99%
- 0 - Less than 10%

LOAN

List total percentage of "Local" funds 0 %

Criterion 7 - Matching Funds - Local

The percentage of matching funds which come directly from the budget of the applying agency. Ten points shall be awarded if a loan request is at least 50% of the total project cost. (If the applying agency is not a user fee funded agency, any funds to be provided by a user fee generating agency will be considered "Matching Funds - Other").

8) Matching Funds – OTHER

List total percentage of "Other" funds 0%

- 10 – 50% or higher
- 8 – 40% to 49.99%
- 6 – 30% to 39.99%
- 4 – 20% to 29.99%
- 2 – 10% to 19.99%
- 1 – 1% to 9.99%
- 0 – Less than 1%

0000

List below each funding source and percentage

_____	_____ %
_____	_____ %
_____	_____ %
_____	_____ %
_____	_____ %

Criterion 8 – Matching Funds - Other

The percentage of matching funds that come from funding sources other than those mentioned in Criterion 7. A letter from the outside funding agency stating their financial participation in the project and the amount of funding is required to receive points. For MRF, a copy of the current application form filed with the Hamilton County Engineer's Office meets the requirement.

9) Will the project alleviate serious capacity problems or hazards or respond to the future level of service needs of the district?

- 10 - Project design is for future demand.
- 8 - Project design is for partial future demand.
- 6 - Project design is for current demand.
- 4 - Project design is for minimal increase in capacity.
- 0 - Project design is for no increase in capacity.

Appeal Score

\_\_\_\_\_

Criterion 9 – Alleviate Capacity Problems

The applying agency shall provide a narrative, along with pertinent support documentation, which describe the existing deficiencies and showing how congestion will be reduced or eliminated and how service will be improved to meet the needs of any expected growth or development. A formal capacity analysis must accompany the application to receive more than 4 points. Projected traffic or demand should be calculated as follows:

Formula:

Existing volume x design year factor = projected volume

Design Year	Design year factor		
	Urban	Suburban	Rural
20	1.40	1.70	1.60
10	1.20	1.35	1.30

Definitions:

**Future demand** – Project will eliminate existing congestion or deficiencies and will provide sufficient capacity or service for twenty-year projected demand or fully developed area conditions. Justification must be supplied if the area is already largely developed or undevelopable and thus the projection factors used deviate from the above table.

**Partial future demand** – Project will eliminate existing congestion or deficiencies and will provide sufficient capacity or service for ten-year projected demand or partially developed area conditions. Justification must be supplied if the area is already largely developed or undevelopable and thus the projection factors used deviate from the above table.

**Current demand** – Project will eliminate existing congestion or deficiencies and will provide sufficient capacity or service only for existing demand and conditions.

**Minimal increase** – Project will reduce but not eliminate existing congestion or deficiencies and will provide a minimal but less than sufficient increase in existing capacity or service for existing demand and conditions.

**No increase** – Project will have no effect on existing congestion or deficiencies and provide no increase in capacity or service for existing demand and conditions.

**10) Readiness to Proceed - If SCIP/LTIP funds are granted, when would the construction contract be awarded?**

- 5 - Will be under contract by December 31, 2010 and no delinquent projects in Rounds 21 & 22
- 3 - Will be under contract by March 31, 2011 and/or one delinquent project in Rounds 21 & 22
- 0 - Will not be under contract by March 31, 2011 and/or more than one delinquent project in Rounds 21 & 22

**Criterion 10 – Readiness to Proceed**

The Support Staff will assign points based on engineering experience and status of design plans. A project is considered delinquent when it has not received a notice to proceed within the time stated on the original application and no time extension has been granted by the OPWC. An applying agency receiving approval for a project and subsequently canceling the same after the bid date on the application will receive zero (0) points under this round and the following round.

**11) Does the infrastructure have regional impact? Consider origination and destination of traffic, functional classifications, size of service area, and number of jurisdictions served, etc.**

10 – Major Impact

Appeal Score

8 – Significant Impact

6 – Moderate Impact

4 – Minor Impact

2 – Minimal or No Impact

**Criterion 11 - Regional Impact**

The regional significance of the infrastructure that is being repaired or replaced.

**Definitions:**

**Major Impact – Roads: Major Arterial:** A direct connector to an Interstate Highway; Arterials are intended to provide a greater degree of mobility rather than land access. Arterials generally convey large traffic volumes for distances greater than one mile. A major arterial is a highway that is of regional importance and is intended to serve beyond the county. It may connect urban centers with one another and/or with outlying communities and employment or shopping centers. A major arterial is intended primarily to serve through traffic.

**Significant Impact – Roads: Minor Arterial:** A roadway, also serving through traffic, that is similar in function to a major arterial, but operates with lower traffic volumes, serves trips of shorter distances (but still greater than one mile), and may provide a higher degree of property access than do major arterials.

**Moderate Impact – Roads: Major Collector:** A roadway that provides for traffic movement between local roads/streets and arterials or community-wide activity centers and carries moderate traffic volumes over moderate distances (generally less than one mile). Major collectors may also provide direct access to abutting properties, such as regional shopping centers, large industrial parks, major subdivisions and community-wide recreational facilities, but typically not individual residences. Most major collectors are also county roads and are therefore through streets.

**Minor Impact – Roads: Minor Collector:** A roadway similar in functions to a major collector but which carries lower traffic volumes over shorter distances and has a higher degree of property access. Minor collectors may serve as main circulation streets within large, residential neighborhoods. Most minor collectors are also township roads and streets and may, or may not, be through streets.

**Minimal or No Impact – Roads: Local:** A roadway that is primarily intended to provide access to abutting properties. It tends to accommodate lower traffic volumes, serves short trips (generally within neighborhoods), and provides connections preferably only to collector streets rather than arterials.

12) What is the overall economic health of the jurisdiction?

- 10 Points
- 8 Points
- 6 Points
- 4 Points
- 2 Points

Criterion 12 – Economic Health

The District 2 Integrating Committee predetermines the applying agency’s economic health. The economic health of a jurisdiction may periodically be adjusted when census and other budgetary data are updated.

13) Has any formal action by a federal, state, or local government agency resulted in a partial or complete ban of the usage or expansion of the usage for the involved infrastructure?

- 10 - Complete ban, facility closed Appeal Score
- 8 – 80% reduction in legal load or 4-wheeled vehicles only \_\_\_\_\_
- 7 – Moratorium on future development, *not* functioning for current demand
- 6 – 60% reduction in legal load
- 5 - Moratorium on future development, functioning for current demand
- 4 – 40% reduction in legal load
- 2 – 20% reduction in legal load
- 0 - Less than 20% reduction in legal load N/A

Criterion 13 - Ban

The applying agency shall provide documentation to show that a facility ban or moratorium has been formally placed. The ban or moratorium must have been caused by a structural or operational problem. Points will only be awarded if the end result of the project will cause the ban to be lifted.

14) What is the total number of existing daily users that will benefit as a result of the proposed project?

- 10 - 30,000 or more Appeal Score
- 8 - 21,000 to 29,999 \_\_\_\_\_
- 6 - 12,000 to 20,999
- 4 - 3,000 to 11,999
- 2 - 2,999 and under

Criterion 14 - Users

The applying agency shall provide documentation. A registered Professional Engineer must certify (sign and seal) the appropriate documentation. Documentation may include current traffic counts, households served, when converted to a measurement of persons. Public transit users are permitted to be counted for the roads and bridges, but only when certifiable ridership figures are provided.

15) Has the applying agency enacted the optional \$5 license plate fee, an infrastructure levy, a user fee, or dedicated tax for the pertinent infrastructure? (Provide documentation of which fees have been enacted.)

- 5 - Two or more of the above Appeal Score
- 3 - One of the above \_\_\_\_\_
- 0 - None of the above

Criterion 15 – Fees, Levies, Etc.

The applying agency shall document (in the “Additional Support Information” form) which type of fees, levies or taxes they have dedicated toward the type of infrastructure being applied for. Bonds are not eligible for points in this category.