

METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI

DIN:	
Project ID:	10142910
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MEETING MINUTES

Project Name: Ludlow Run Sustainable Source Control

Subject: Site Visit Summary

Meeting Date: Sept. 8, 2020 Meeting Time: 1:00 – 4:00 PM Location: Ludlow Run Watershed

Meeting Manager: Kristen Benick

Attendees:

Name	Company/Division
Erwin Mamacos	MSDGC
Todd Trabert	MSDGC
Jason Abbott	ARCADIS
Kristen Benick	ARCADIS
Sue Pressman	ARCADIS

Site Visit Summary

Arcadis and MSDGC visited all the CSOs in the Ludlow Project Area. Maps and CSO sketches were provided for each CSO location (see attached). Photos were taken and have been included in this summary.

CSO 151/109

- These two locations are on the northern end of the project area in a wooded area. CSO 151 is accessed from a gravel road from Groesbeck Road. CSO 109 is accessed from dead-end of Redcedar Road.
- MSDGC commented that maintenance requirements at these locations are limited due to low activations. Arcadis requested CSO maintenance reports for all CSOs as a result of this discussion.
- No comments on additional data needs at this time.

CSO 110

• CSO is accessed from Edna Street. GIS data does not include some invert data, the structure sketches will be reviewed to complete missing data information.

CSO 111/112

- CSO 111 has been moved to the street for better access. GIS data does not include some invert data, the CSO structure sketches will be reviewed to complete missing information.
- CSO 112 is located behind a resident's house and permission was given by property owner during site visit to view the diversion structure. No comments on additional data needs at this time.
- A resident reported high storm water flows through the area during storm events coming through the

culvert beneath Springlawn Avenue.

CSO 162

• Located upstream of where Ludlow Run enters into large box culvert. Accessed from behind business on Springlawn Avenue. No comments on additional data needs at this time.

CSO 024

• Largest of the CSOs located directly on the Mill Creek. No comments on additional data needs at this time.

Ludlow Run Inlet to Closed Pipe

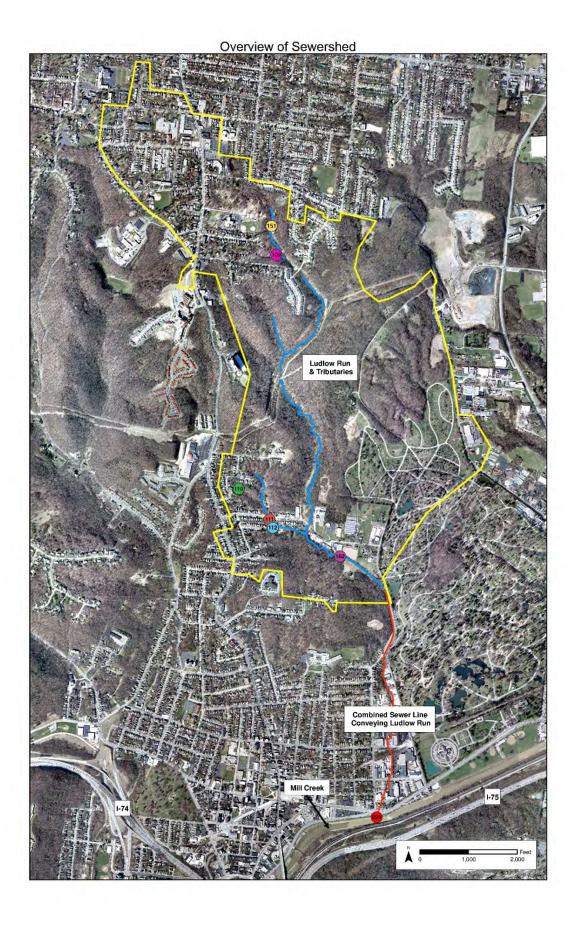
• Large amount of debris on the trash rack at the inlet was observed.

New Development

 Arcadis requested information on current new development requests in the area and recent development builds to evaluate and understand their effects on the collection system.

Attachments:

Site Handouts



CSO 151 Photos





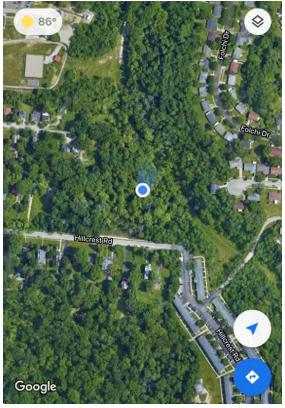
CSO 151 Photos (cont'd)





CSO 109 Photos





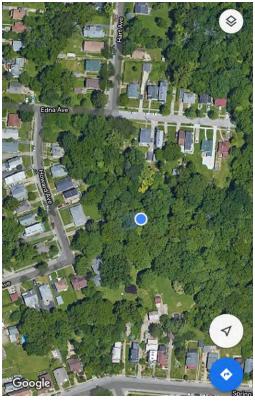
CSO 109 Photos (cont'd)





CSO 110 Photos





CSO 110 Photos (cont'd)



CSO 111 Photos



CSO 112 Photos







CSO 112 Photos (cont'd)





CSO 112 (storm channel through adjacent yard)





CSO 162 Photos





CSO 162 Photos (cont'd)



Ludlow Run Inlet Photos





Ludlow Run Inlet Photos (cont'd)



CSO 024 Photos





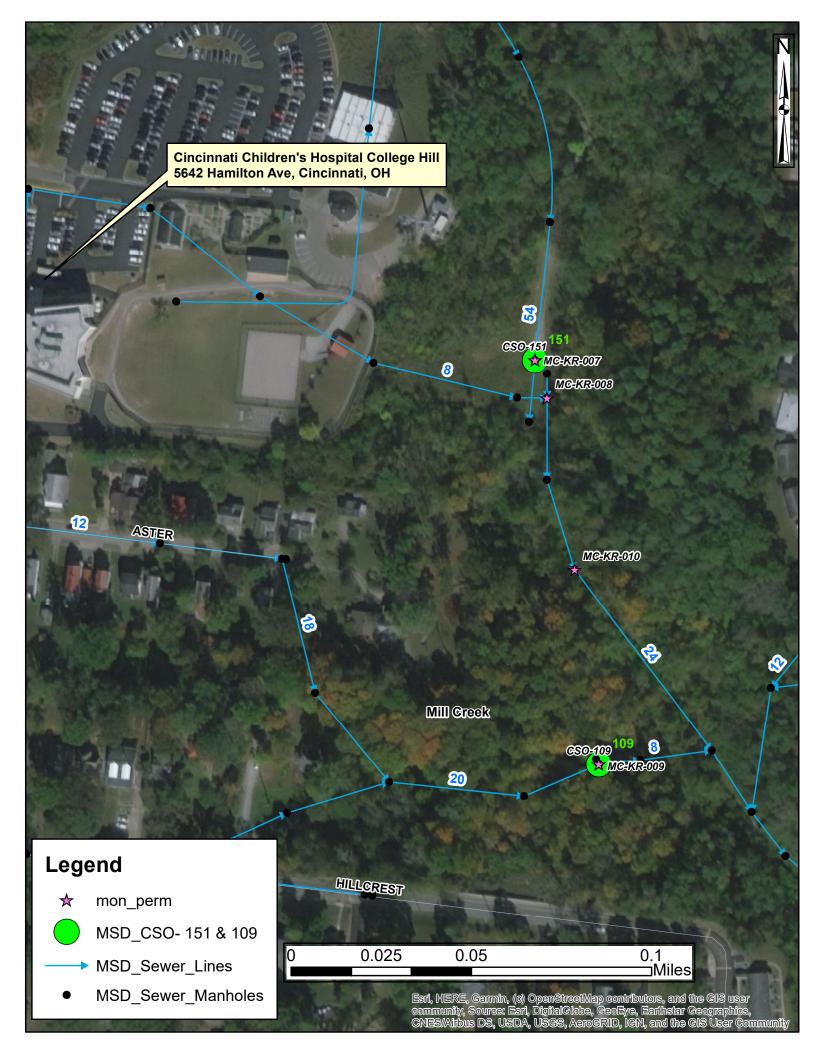
CSO 024 Photos (cont'd)











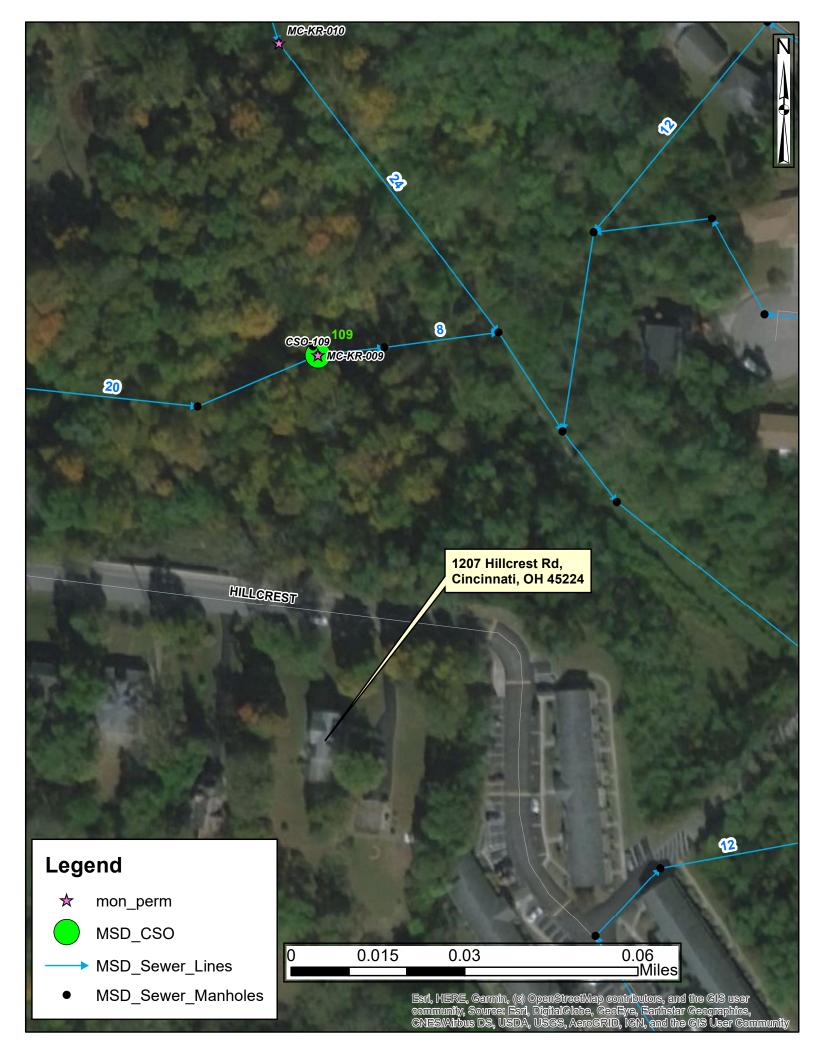
CSO-151 P3 54" CONC NE-I GRATE 9.46 PI 24"PVC 12.45 SE-0 UNDER FIOW 8.42 8,41 P2 54" CONC. SW-0 OVERFIOW EDGE CHWALLY PZ 54" cone Sw-0 Pipe 3 54" Conc 0 OVEZ Flow GRATE Begining of Pipe 2 NW-I P1 24 PVC un DERFLOW Survey of manhole rim (location as marked 56-0 in the field) conducted by LAND CONSULTANTS on 10/24/2017 on NGVD29: 817.53 FT Distance from manhole rim (northern-most edge) to lowest point in overflow pipe (P2) measured by RJN on 12/1/2016: 8.41 FT Rim Elevation 817.53 FT -Distance to Pipe 8.41 FT Calculated Overflow Elevation: 809.12 FT Designed by MSDGC METROPOLITAN SEWER DISTRICT 727 North First St. Suite 240 St. Louis, MO 63102 (314)588-9764 Checked by **STRUCTURE DETAILS** of greater Approved date CINCINNATI Dwg No Sht No www.RJN.com Scale NTS Excellence through Ownership CSO-151

CSO SITE REPORT CSO NO: 151 NAME: GROESBECK GRATING _____ EPA STATION: 1PX00022403 LOCATION: SOUTH OF #1225 GROESBECK RD. DRAINAGE AREA: SOUTH BRANCH MILL CREEK ____ INTERCEPTOR: AUX. MILL CREEK VICINITY SKETCH: CROESBECK RO. **APARTMENT** #1225 BUILDING *122, S. #121> GRAVEL #151 15"

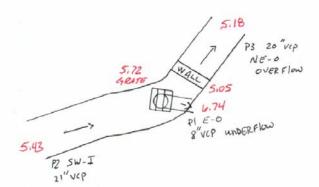
CSO TYPE: DROP GRATE O	VERFLOW	CSO NO:	151	
COMMENTS:				
DIVERSION STRUCTURE:	М.			
SIZE:	5.00'			
DIV. DAM HEIGHT	0.75'			
DIV. DAM ELEV:	NA NA			
GRATE SIZE:	NA NA			
COVER:	VENT			
CONDITION:	FAIR			
REGULATOR STRUCTURE:				
SIZE:	NONE			
GATE SIZE:				
DEPTH:				
COVER:				
CONDITION:				
COMMENTS:			<u> </u>	
PIPE SIZES:				
UPSTREAM OF STRUCTURE:	4 501			
DOWNSTREAM OF STRUCTURE:	4.50' E: 4.50'			
INTERCEPTOR:	8.00'			
CONNECTING PIPE:	1.25'	· · ·		
COMMENTS:			#	
HIGH WATER PROTECTION:	NO			·, <u>-</u>
TYPE:				
CRITICAL RIVER STAGE:				
COMMENTS:				
SAFETY:				
TRAFFIC:	NONE			
GAS INVESTIGATION:	STD			
STEPS:	NONE			
ACCESS:	DIVERSION STRUC	CT.		
COMMENTS:				
				

SEE NEXT PAGE FOR LISTING: \Box NONE IN CSO TRIBUTARY AREA

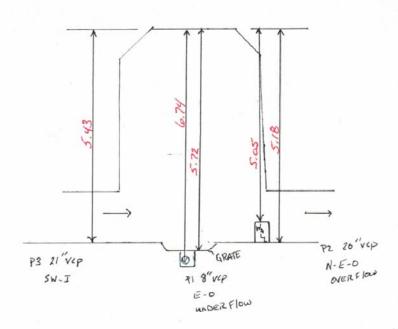




CSO - 109







Survey of manhole rim (location as marked in the field) conducted by LAND CONSULTANTS on 10/24/2017 on NGVD29: 807.56 FT

Distance from manhole rim (northern-most edge) to lowest point on overflow weir measured by RJN on 12/1/2016: 5.05 FT

Rim Elevation

807.56 FT

-Distance to Weir

5.05 FT

Calculated Overflow Elevation: 802.51 FT



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MSDGC **STRUCTURE DETAILS**

CSO-109

Sht No

CSO SITE REPORT

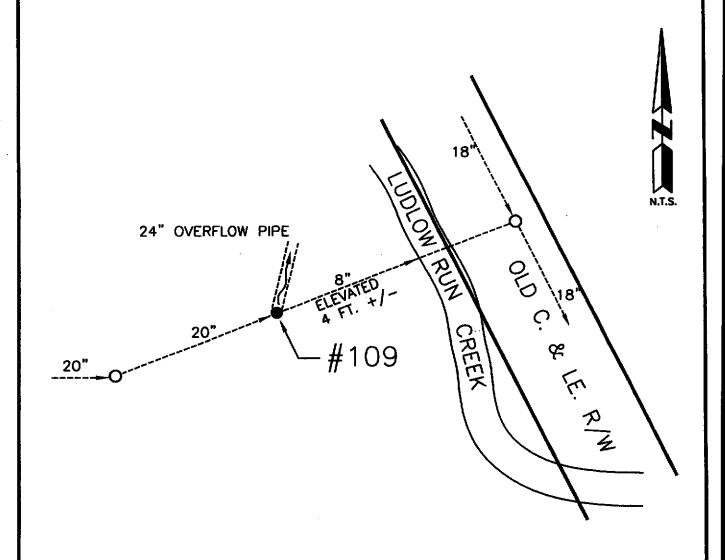
CSO NO: 109

_____ EPA STATION: 1PX00022382 NAME: HILLCREST NORTH GRATING

LOCATION: NORTH OF HILLCREST RD WEST OF LUDLOW RUN CREEK

DRAINAGE AREA: SOUTH BRANCH MILL CREEK __ INTERCEPTOR: AUX. MILL CREEK

VICINITY SKETCH:

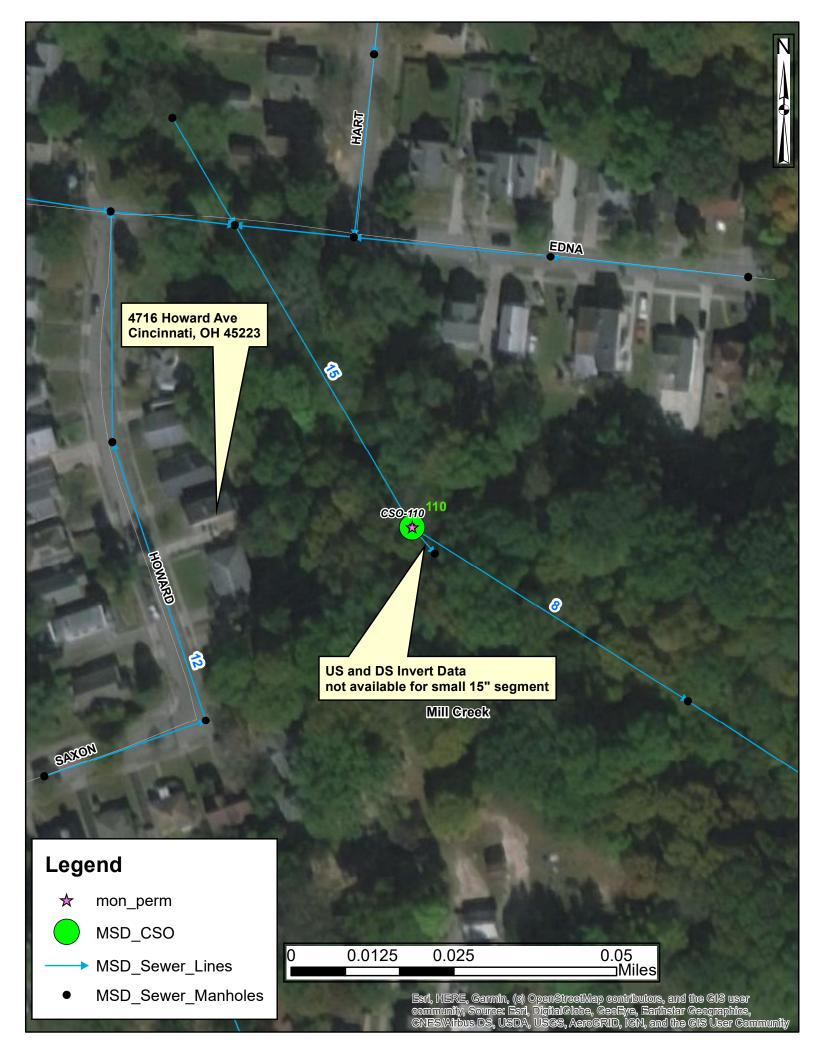


CSO TYPE:	DROP GRATE OVER	RFLOW	CSO NO:	109
COMMENTS:	SINGLE GRATE			
DIVERSION STRUCTU	JRE:			
SIZE:		4.00'		
DIV. DAM HEIC	···	NA		
DIV. DAM ELE	V:	NA		
GRATE SIZE: COVER:		1' X 1' STD VENT		
COVER: CONDITION:		FAIR		
REGULATOR STRUC	 TURE:			
SIZE:		NONE		
GATE SIZE:				
DEPTH: COVER:				
CONDITION:	·			
COMMENTS:	BRICK MANHOL	LE		
				
PIPE SIZES:				
UPSTREAM C	F STRUCTURE:	1.67'		•
	M OF STRUCTURE:	1.67'		
INTERCEPTO		8.00'		
CONNECTING COMMENTS:	i PIPE:	0.67'		
HIGH WATER PROTE	CTION:	NO		
TYPE:	_			
CRITICAL RIVE	R STAGE:	······································		
COMMENTS:	-			
	_			AAA
SAFETY:				
TRAFFIC:		NONE	·	
GAS INVESTIG	SATION:	STD	<u>.</u>	
ACCESS:	-	NONE DIVERSION STRUC		
COMMENTS:	_	DIVERGION STRUC	I.	
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INDUSTRIAL INFORMATION:

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CSO 110

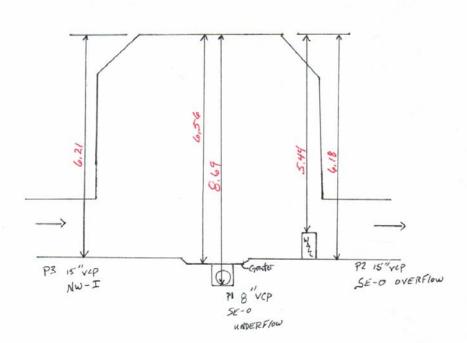


Survey of manhole rim (location as marked in the field) conducted by STANTEC on 8/16/2017 on NGVD29: 583.462 FT

Distance from manhole rim (northern-most edge) to lowest point on overflow weir measured by RJN on 12/1/2016: <u>5.44 FT</u>

Rim Elevation -Distance to Weir Calculated Overflow Elevation: 578.022 FT

583.462 FT 5.44 FT



GRATE 656

P2 15 VEP SE-D OVERFION

P3 15 VCP

8 V4

under Flow



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Approved date	-	DETAILS		
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Scale]	CSO_110	1	ΙΔ

CSO SITE REPORT CSO NO: 110 NAME: 4710 HOWARD GRATING _____ EPA STATION: 1PX00022383 LOCATION: IN RAVINE BEHIND # 4716 HOWARD AV. DRAINAGE AREA: SOUTH BRANCH MILL CREEK __ INTERCEPTOR: AUX. MILL CREEK VICINITY SKETCH: HART AVE 12" 12" 12" 12" EDNA AVE. #1639 HOWARD AVE. 12" #110 #4722 #4716

#4714

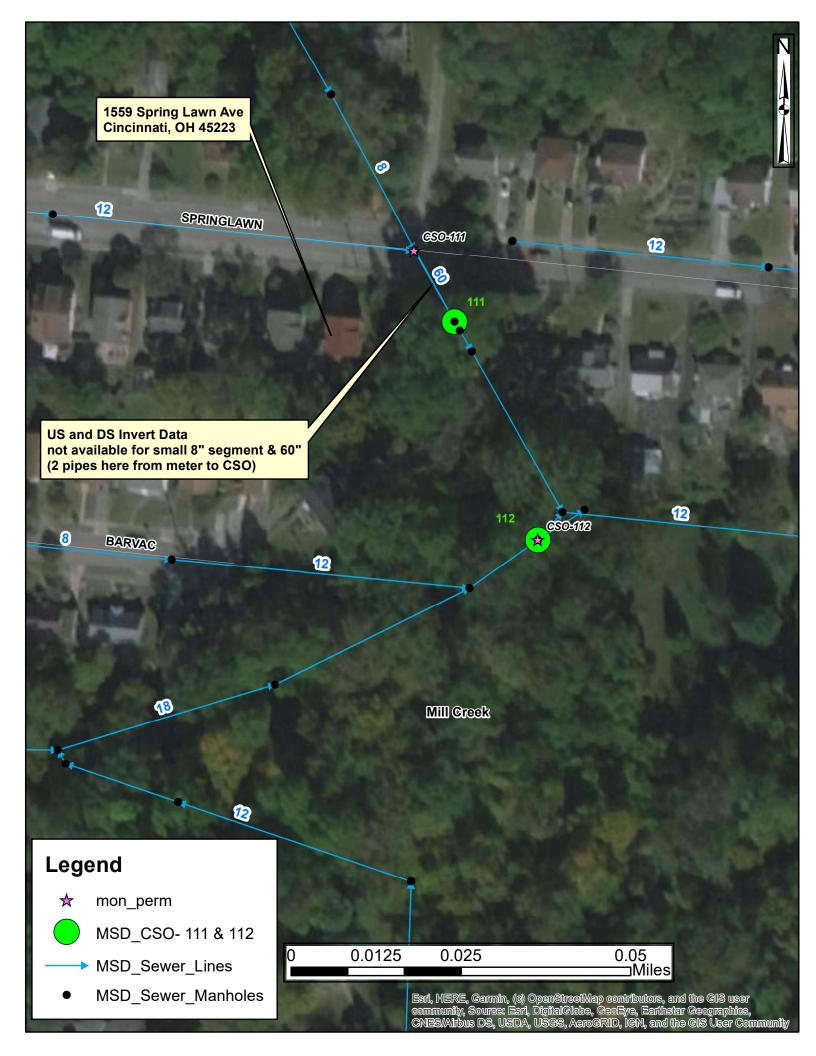
CSO TYPE:	DROP GRATE OVER	RFLOW	CSO NO:	110	
COMMENTS: 5	SINGLE GRATE				
DIVERSION STRUCTUR	RE:				
SIZE:		4.00'			
DIV. DAM HEIGH	łT	0.50'			
DIV. DAM ELEV:		NA			
GRATE SIZE:		1' X 1'			
COVER:		STD VENT			
CONDITION:	**	FAIR			
REGULATOR STRUCT	JRE:				
SIZE:		NONE	·		
GATE SIZE: DEPTH:					
COVER:					
CONDITION:					
COMMENTS:	BRICK MANHOL	LE .			
PIPE SIZES:					
UPSTREAM OF	STRUCTURE:	1.25'			
DOWNSTREAM	OF STRUCTURE:	1.25'		•	4
INTERCEPTOR	:	8.00'			
CONNECTING F	PIPE:	0.67'			
COMMENTS:					
HIGH WATER PROTEC	TION:	NO			
TYPE:					
CRITICAL RIVER	R STAGE:				
COMMENTS:	-			·	
	-				
SAFETY:					
TRAFFIC:		NONE			
GAS INVESTIGA	ATION:	STD			
STEPS:	-	NONE			
ACCESS:	-	DIVERSION STRUC	CT.		
COMMENTS:	_				
	••				
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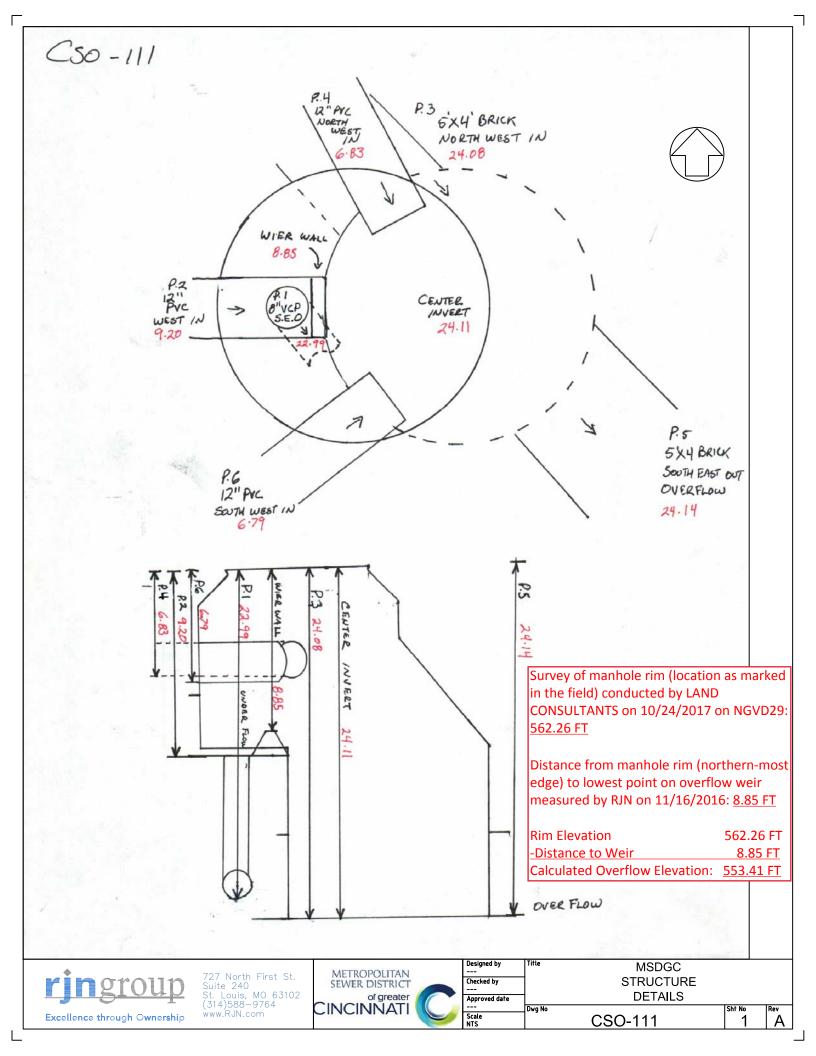
INDUSTRIAL INFORMATION:

SEE NEXT PAGE FOR LISTING: $\ \square$

NONE IN CSO TRIBUTARY AREA 👿







CSO 112 5.26 P3 18"VCP NE-I PI & "VEP 5-0 UNDERFION 5.43 SW-0 QUERFION Survey of manhole rim (location as marked الم الم in the field) conducted by STANTEC on P3 18"VCP 54 8/16/2017 on NGVD29: 538.571 FT NE-I P1 8"VCP unverflow 5-0 Distance from manhole rim (northern-most edge) to lowest point on overflow weir measured by RJN on 12/1/2016: 4.53 FT Rim Elevation 538.571 FT -Distance to Weir 4.53 FT Calculated Overflow Elevation: 534.041 FT Title Designed by MSDGC

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CSO-112

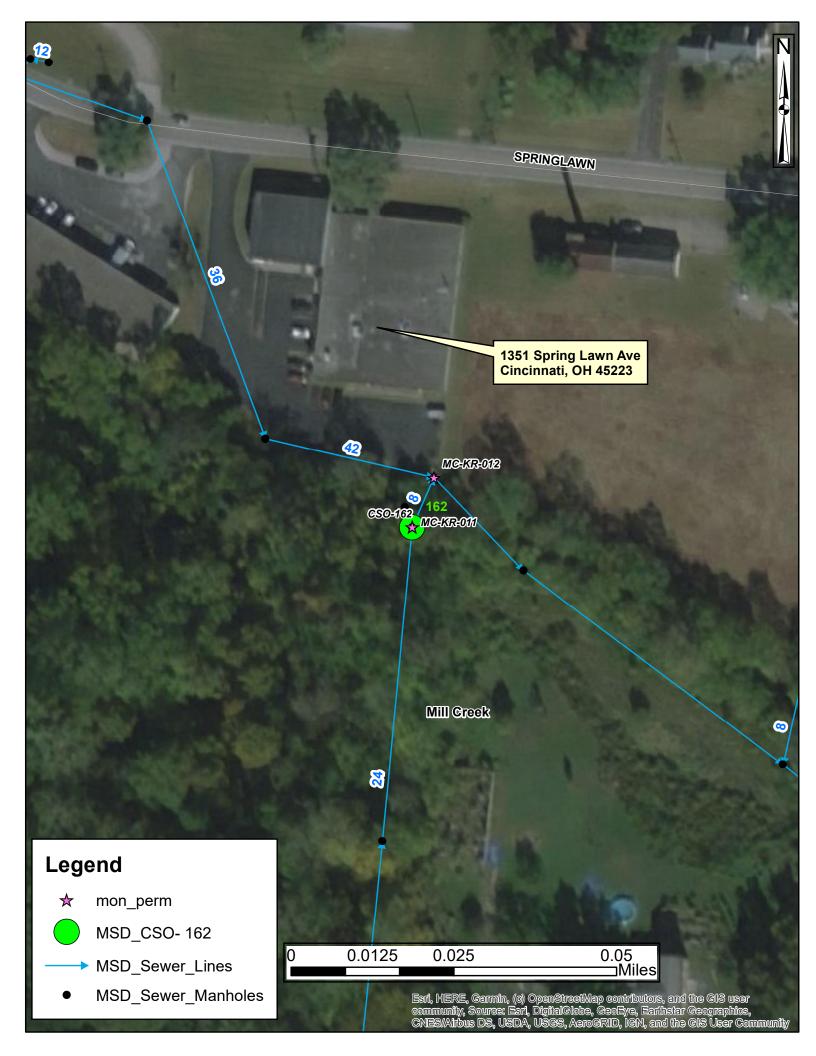
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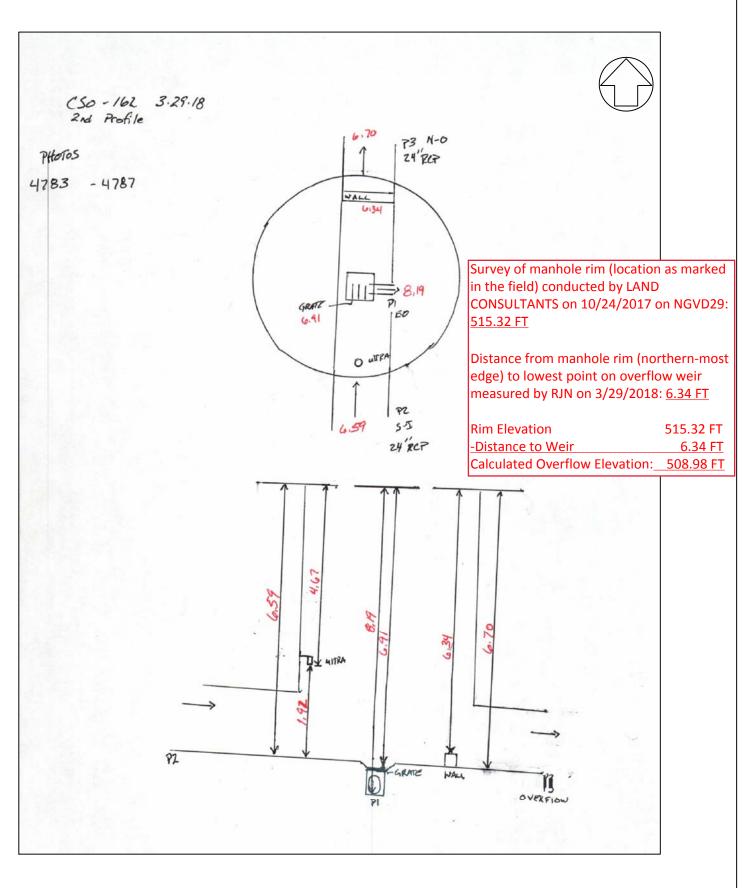
CSO SITE REPORT CSO NO: 112 NAME: 1547 SPRINGLAWN GRATING EPA STATION: 1PX00022384 LOCATION: BEHIND # 1549 SPRINGLAWN AV. DRAINAGE AREA: SOUTH BRANCH MILL CREEK INTERCEPTOR: AUX. MILL CREEK VICINITY SKETCH: 5' BRICK CULVERT 12" SPRING LAWN AVE. #1545 #1547 HOWARD #112 12" BARVAC AVE.

CSO TYPE:	DROP GRATE OVE	ERFLOW	CSO NO:	112
COMMENTS:	SINGLE GRATE			
DIVERSION STRUCT	IDE.			
SIZE:	JRE.			
DIV. DAM HEK		4.00'		
DIV. DAM ELE		0.20'		
GRATE SIZE:	v.	NA 4 El V 4 El		
COVER:		1.5' X 1.5' STD VENT		
CONDITION:		FAIR		
REGULATOR STRUC	TURE:	1781		
SIZE: GATE SIZE:		NONE		
DEPTH:	M			
COVER:		· · · · · · · · · · · · · · · · · · ·		
CONDITION:				
COMMENTS:			 -	
PIPE SIZES:				
	F STRUCTURE:	1.50'		
	M OF STRUCTURE:	1.50'		
INTERCEPTOR		8.00'		
CONNECTING	PIPE:	0.67'		
COMMENTS:				
HIGH WATER PROTEC	CTION:	NO		
TYPE:				
CRITICAL RIVE	R STAGE:		· <u>-</u>	
COMMENTS:	-			
SAFETY:	_			
	_	NONE		
TRAFFIC:				
GAS INVESTIGA	ATION:	STD		
GAS INVESTIGA STEPS:	ATION:	NONE		
GAS INVESTIGA	ATION:			

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NONE IN CSO TRIBUTARY AREA











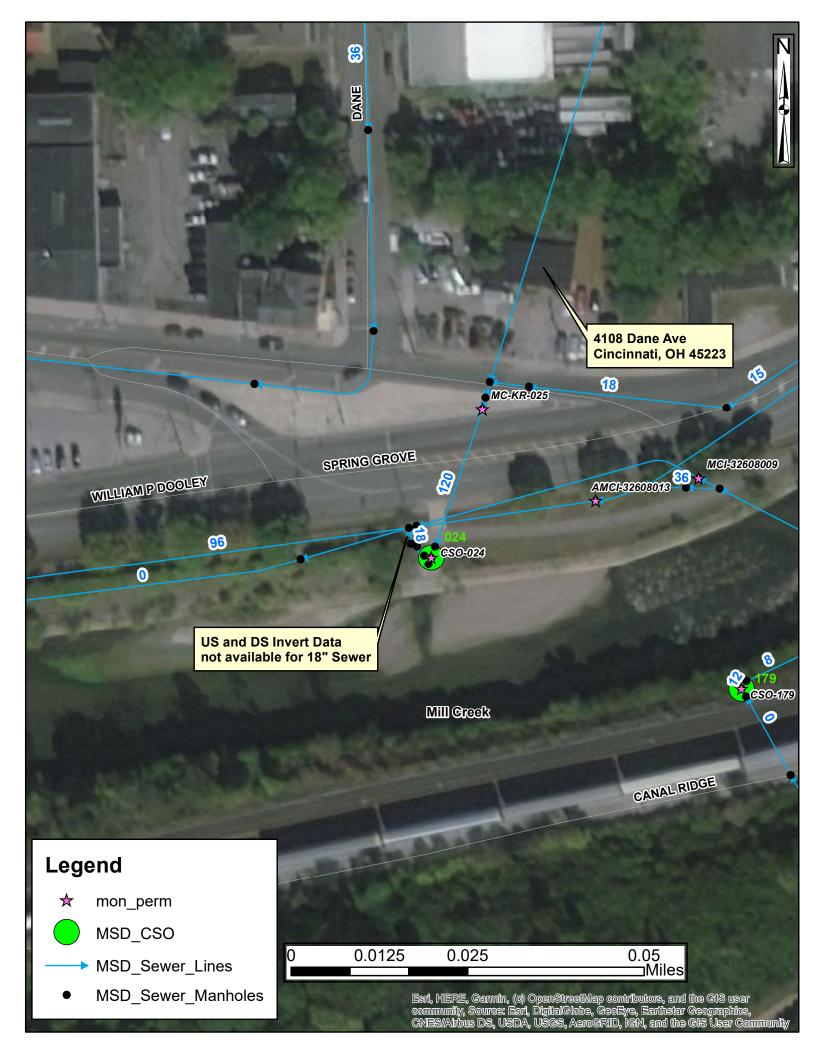
Designed by	Title	MSDGC		
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Approved date	-	DETAILS		
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Scale	7 1	CSO-162	1	ΙΔ

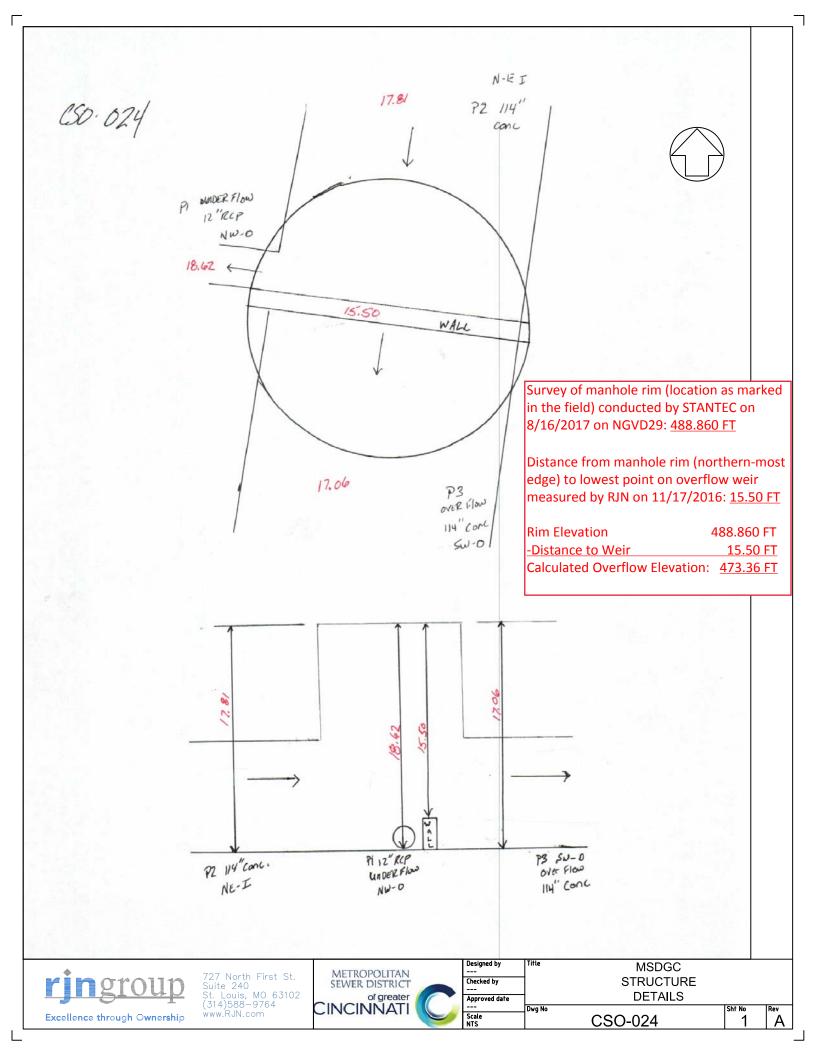
CSO NO: 162 CSO SITE REPORT NAME: THOMPSON HEIGHTS GRATING _____ EPA STATION: 1PX00022404 LOCATION: 900' NORTH OF THE EAST TERMINUS OF THOMPSON HEIGHTS AV. DRAINAGE AREA: SOUTH BRANCH MILL CREEK _ INTERCEPTOR: AUX. MILL CREEK VICINITY SKETCH: LUDLOW RUN 24 #162 18" LANGLAND #1410 12" THOMPSON HGTS.

CSO TYPE:	DROP GRATE OVER	RFLOW	CSO NO:	162
COMMENTS:	SINGLE GRATE			
DIVERSION STRUCTU	IDE.			
DIVERSION STRUCTO	UKE:			
SIZE:		4.00'		
DIV. DAM HEIC		0.20'		
DIV. DAM ELE	V:	NA 41		
GRATE SIZE:		1' X 1' STD VENT		
COVER: CONDITION:	<u> </u>	GOOD		
REGULATOR STRUC	THE	GOOD		
SIZE:		NONE		
GATE SIZE:				
DEPTH: COVER:				
CONDITION:				
COMMENTS:				
PIPE SIZES:				
	OF STRUCTURE:	2.00'		
	M OF STRUCTURE:	2.00'	<u> </u>	•
INTERCEPTO		8.00'		
CONNECTING COMMENTS:	s PIPE:	0.67'		
HIGH WATER PROTE	ECTION:	NO		
TYPE:	_			
CRITICAL RIVI COMMENTS:	ER STAGE:			
	-			
SAFETY:				
TRAFFIC:		NONE		
GAS INVESTIG	GATION:	STD		
STEPS:	<u>-</u>	FAIR		
ACCESS:		DIVERSION STRU	CT.	
COMMENTS:	-			
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ANDLIOTDIAL II	NEODMATION:	-		

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CSO SITE REPORT CSO NO: 024

_____ EPA STATION: 1PX00022291 NAME: LUDLOW RUN REGULATOR

LOCATION: SOUTH OF THE INTERSECTION OF DANE AND WILLIAM P. DOOLEY
DRAINAGE AREA: SOUTH BRANCH MILL CREEK INTERCEPTOR: AUX. MILL CREEK

VICINITY SKETCH: DOOLEY BY-PASS 96" 75" #24 MILL CREEK

CSO TYPE: DUAL CHAMBER REG	ULATOR	CSO NO:	024
COMMENTS:			
N/EDG/GN GEDUGE			
DIVERSION STRUCTURE:			
SIZE:	10.00'	·	
DIV. DAM HEIGHT	1.17'		
DIV. DAM ELEV:	471.70'		
GRATE SIZE:	<u>NA</u>		
COVER:	STD VENT		
CONDITION:	GOOD		
REGULATOR STRUCTURE:			
SIZE:	5' X 8'		
GATE SIZE:	NA		
DEPTH:	20.20'		
COVER:	STD VENT		
CONDITION:	GOOD		
COMMENTS: FLOAT CHAMBI	ER SIZE: 3' X 4'		
UPSTREAM OF STRUCTURE: DOWNSTREAM OF STRUCTURE: INTERCEPTOR:	10.00' 10.00' 8.00'		·
CONNECTING PIPE: COMMENTS:	1.00'		
HIGH WATER PROTECTION:	YES		
TYPE: CRITICAL RIVER STAGE:	FLAP GATE		
COMMENTS:			
SAFETY:			
TRAFFIC:	NONE		
GAS INVESTIGATION:	STD		
STEPS:	FAIR		
ACCESS:	DIVERSION STRUC	OT	
INDUSTRIAL INFORMATION:	. ,		

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