



HOPKINSVILLE WATER ENVIRONMENT AUTHORITY

Bid Packet:

FY 2020 - 2021
Sealed Bid # 2021-08
Crofton Sanitary Sewer Manhole Rehabilitations

Bid Opening:

Thursday, May 6, 2021 @ 1:00 P.M. CST
401 East 9th Street, Hopkinsville, KY, 42240
HWEA Boardroom
(Due to COVID-19 restrictions, interested parties may attend
via Zoom videoconference. An invitation to attend the opening will
be forwarded to all Bidders)

BID PACKET

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IMPORTANT: In the event any of the documents are not enclosed, please advise the Purchasing Officer immediately.



INVITATION TO BID

Sealed bids for furnishing and delivering the following:

FY 2020 - 2021
Sealed Bid # 2021-08
Crofton Sanitary Sewer Manhole Rehabilitations

will be received at HWEA's Main Office, 401 East 9th Street, P. O. Box 628, Hopkinsville, Kentucky, until 1:00 p.m., CST, on Thursday May 6, 2021, at which time the bids will be opened and read aloud publicly in the HWEA Board Room, at the same address.

The Bid Packet contains the Invitation to Bid, General Conditions, Specifications, and Detailed Specifications.

GENERAL CONDITIONS

1. INSTRUCTIONS, SPECIFICATIONS AND FORMS

Instructions, specifications and forms may be obtained via the HWEA website, in person, or by email from the HWEA Purchasing Officer at 401 East 9th Street, Hopkinsville, KY, 42240. Telephone number 270-887-2782, email irensaw@hwea-ky.com, or see our website at www.hwea-ky.com.

- (a) All bids shall be submitted on and in accordance with the attached Bid Form. The form shall be signed and dated in the appropriate space.
- (b) Each bid shall be submitted in a sealed envelope and clearly marked on the outside of the envelope with the following:

FY 2020 - 2021
Sealed Bid # 2021-08
Crofton Sanitary Sewer Manhole Rehabilitations

- (c) If forwarded by mail, the sealed envelope containing the proposal must be enclosed in another envelope: FY 2020 - 2021 - SEALED BID # 2021-08 - Crofton Sanitary Sewer Manhole Rehabilitations and shall be mailed to the HWEA Purchasing Officer, P.O. Box 628 Hopkinsville, KY 42241, allowing sufficient time for such mailing to reach this address prior to the scheduled closing time for receipt of bids.
- (d) Additional information or clarifications of any of the instructions or information contained herein may be obtained from the Purchasing Officer.
- (e) Any bidder or bidders finding any discrepancy in or omission from the specifications, in doubt as to their meaning, or believing that the specifications are discriminatory, shall notify the Purchasing Officer in writing within 5 days of the scheduled opening of bids. Exceptions as taken in no way obligates HWEA to change the specifications. The Purchasing Officer will notify all bidders in writing, of any interpretations made of specifications or instructions.
- (f) HWEA will assume no responsibility for oral instructions or suggestions. All official correspondence in regard to the specifications should be directed to and will be issued by the Purchasing Officer.
- (g) The successful bidder may have to purchase a City of Hopkinsville and/or a City of Crofton vendor's license prior to the official award of the bid, in order to meet the requirements of City of Hopkinsville and City of Crofton ordinances.

- (h) Any bidder may withdraw their bid either in person or in writing at any time prior to the scheduled time for the receipt for bids. Withdrawals after the scheduled time for the receipt of bids will not be permitted.

2. AWARD OF CONTRACTS

- (a) The HWEA Board may award the contract to the bidder it finds to be the most responsive (considering price, time of delivery, compliance with specifications and past experiences) and not necessarily the lowest price. HWEA reserves the right to reject any and all bids.
- (b) All bids will be awarded based on the most current edition of HWEA's Purchasing Policy, as amended.
- (c) All bids will be judged on the basis of best buy to HWEA and compliance with the General Conditions and conformance with the bid specifications. HWEA reserves the right to reject any and all bids.
- (d) Any other considerations or basis for judgment will be stated in the specifications.
- (e) Unless otherwise stated, the Purchasing Officer reserves the right to award contracts or place orders to a single source or divide awards and orders or enact such combination which in his judgment, shall be in the best interest of HWEA.

3. DELIVERY

- (a) Item(s) shall be delivered F.O.B. destination with delivery costs and applicable charges to be included in the bid.

4. COMPETITION

In order to assure fair competition and to permit determination of the best bid:

- (a) The Detailed Specifications, which may include a name of any manufacturer, trade name, or manufacturer or vendor catalog number mentioned in the specifications or Bid Form is to designate a standard of quality and type and for no other reason.
- (b) Bids which show any omission, irregularity, alteration of forms, additions not called for, conditional or unconditional unresponsive bids, or bids obviously unbalanced may be rejected.
- (c) All bids shall be accompanied by such descriptive literature and documents as may be called for by the specifications or Bid Form.

- (d) Specifications provided are based on HWEA needs and uses, estimated costs of operation and maintenance, and other significant and / or limiting factors to meet HWEA requirements and shall be consistent with HWEA's policies. Minimum or maximum specifications where included, are not established arbitrarily to limit competition or to exclude otherwise competitive bidders.

5. DISPUTES

In cases of disputes, as to whether or not an item or service quoted or delivered meets specifications, the decision of the Purchasing Officer, or authorized representative shall be final and binding on all parties. The Purchasing Officer may request written recommendation of the head of the Department using the item.

6. EXCEPTIONS

The submission of a bid shall be considered an agreement to all the terms, conditions and specifications provided herein as listed in the various bid documents, unless specifically noted otherwise in the space provided on the Bid Form.

7. BID BINDING

Unless otherwise specified, all formal bids submitted shall be firm and irrevocable for a period of sixty (60) calendar days from the date of opening.

8. UNIT PRICING

Unless clearly shown on the Bid Form that it is the intent of the bidder that a reduced total price is being offered on the basis of receiving an award of all items covered by the total, any totals should be the actual sum of the extension of unit price(s), extended price(s), and/or total price(s). If a mistake is observed in arithmetic, unit prices govern and the bid will be refigured accordingly.

9. DELIVERY TIME

The bidder is to indicate on the Bid Form the approximate lead time on delivery.

10. WARRANTY

The material / services furnished in accordance with these specifications shall be guaranteed to be free from defect in workmanship, material or equipment.

SPECIFICATIONS

1. GENERAL SPECIFICATIONS

- (a) The work shall include the furnishing of all labor, materials, equipment, tools, supervision, shop drawings, traffic control and related items, as required and specified, to rehabilitate seventeen (17) existing sanitary sewer manholes (SSMH) at various locations in Crofton, KY, for the Hopkinsville Water Environment Authority, of Hopkinsville, KY.
- (b) BID FORMS submitted by Contractors who have not, in the opinion of HWEA, had sufficient experience in the size and type of work involved may not be considered.
- (c) Prior to work commencement, the Contractor shall schedule and coordinate all work with HWEA. Since parts of the work area are near residential neighborhoods and noise pollution is a consideration, the work shall be completed between the hours of 7:30am to 4:30pm, Monday through Friday. No weekend work shall be allowed except as allowed by HWEA.
- (d) The work shall be completed in 60 calendar days from the date of the Notice to Proceed.
- (e) Liquidated Damages shall be assessed at \$500 per day for each day in excess of the Contract Times, should the Contractor not make readiness for Final Payment as stipulated in the Notice to Proceed. Contract Time Extensions may be requested for reasonable delays outside the Contractor's control (unexpected material lead times, inclement weather, employee quarantine orders, etc.). Approved Contract Extensions will be implemented with a Change Order.
- (f) Payment will be made in a single lump-sum, inclusive of any Change Orders, within 30 days of Contractor invoicing and HWEA's acceptance.
- (g) No payment will be made by HWEA for Stored Materials.
- (h) The work space within the SSMH's shall be considered Permit Required Confined Space entry and the Contractor shall be responsible to ensure that all OSHA requirements with regards to such shall be strictly followed and enforced.
- (i) The Contractor shall comply with all OSHA regulations and HWEA safety regulations that apply to work associated with this project.
- (j) The contractor shall comply with all Environmental Protection Agency (EPA) regulations which apply to the work associated with this project.

- (k) The Contractor shall make all efforts necessary in order to ensure that the dust and debris is confined to the area where the work is taking place.
- (l) The Contractor shall be responsible for removing and disposing of all materials which are schedule to be removed and any demolition debris. HWEA shall determine if any of the materials are salvageable and if so, shall be delivered to HWEA for warehousing.
- (m) Contractor shall be responsible for returning the area disturbed by the construction to as near existing condition as possible. All work shall meet HWEA's standards.
- (n) The Contractor shall make all efforts necessary in order to ensure that sewage does not overflow any HWEA manholes or lift stations.
- (o) The Contractor shall provide sewage bypass via flow-through plugs or HWEA approved equal on SSMH's which require the invert to be lined, repaired or rebuilt.
- (p) Work on any SSMH's receiving flow from pump stations will require coordination with HWEA personnel to stop or divert flow and may require work to be perform at times other than normal working hours.
- (q) Contractor shall furnish, install, maintain and remove necessary traffic signs, barricades, lights, signals, cones, pavement markings and other traffic control devices. Perform traffic control in accordance with the City of Crofton, KYTC, HWEA Safety Protocols and OSHA Regulations for Construction Projects.
- (r) The drawing / details which have been included in the Specification should be considered approximate. The Contractor shall make any necessary field measurements in order to ensure that work is properly completed.
- (s) All work shall be completed to HWEA's satisfaction. All methods and installation shall be coordinated with HWEA to ensure a timely and professional job.
- (t) No part of work shall be subcontracted out without written permission from HWEA.
- (u) The Contractor shall supply and utilize polyurethane, polyurea, cementious / epoxy or other HWEA approved equal linings.

2. INFORMATION TO BE FURNISHED BY BIDDER

- (a) Contractor bidding on the work shall give evidence of their experience in the class of work involved, including at least five jobs of comparable size and type performed by as general contractors.
- (b) A copy of manufacturer's warranty and complete descriptive literature to include operation, installation and maintenance instructions.
- (c) A copy of contractor's Certificate of Insurance which names HWEA as a certificate holder insured in the amounts listed below:

Worker's Compensation	Statutory
Employer's Liability	
Bodily Injury by Accident	\$500,000 Each Accident
Bodily Injury by Disease	\$500,000 Each Employee
Bodily Injury by Disease	\$500,000 Policy Limit
Automotive Liability	
Bodily Injury & Property Damage	\$1,000,000 Each Accident
Commercial General Liability	
Bodily Injury & Property Damage	\$1,000,000 Per Occurrence
Bodily Injury & Property Damage	\$2,000,000 Aggregate
Commercial Umbrella	\$5,000,000 Per Occurrence

Failure to provide any of the above information could result in dismissal of bid.

3. HWEA SUPPLIED SERVICES

- (a) HWEA shall be responsible for observation / inspection of the work.
- (b) HWEA shall remove existing dirt, gravel and / or asphalt from obstructed SSMH covers to gain access, then furnish and install similar backfill, as needed.
- (c) HWEA shall remove, via Vacuum Truck pumping, standing water / sewage in manholes, as needed.
- (d) HWEA shall have a representative accompany the rehabilitation crew and shall have the authority to add or subtract work to each SSMH depending on conditions observed in the field. HWEA representative shall take field measurements to be used in processing payment invoice(s).

4. SITE VISIT

- (a) HWEA does encourage bidders to perform a site visit to the various manholes before submitting a bid. Additional photos of SSMHs are available upon request from HWEA's Engineering Department.

5. EXCEPTIONS

- (a) Major exceptions to these specifications or failure to submit requested information may be considered cause for rejection of the bid.

DETAILED SPECIFICATIONS

The following are minimum specifications for;

FY 2020 - 2021
Sealed Bid # 2021-08
Crofton Sanitary Sewer Manhole Rehabilitations

BIDDER SPECIFICATIONS

Bidder is requested to indicate either by writing "Comply" or "Exceptions" whether his product meets the minimum specifications as listed on this opposite side. If "Exception" is written, please indicate in the space providing the deviation or include a detailed "EXCEPTIONS PAGE" with the bid packet.

ANY AND ALL BIDS WHICH ARE RETURNED MUST HAVE THE FOLLOWING PAGES COMPLETED AND RETURNED OR BID MAY NOT BE CONSIDERED.

DETAILED SPECIFICATIONS

The work shall include the following tasks. These tasks are included as a general description of the work to be completed and are not meant to be all-inclusive. A complete project shall be defined as the installation of any and all construction materials and work that is necessary in order that the appurtenances' function or operate in the intended manner.

HWEA's Standards Manual is incorporated into this bid packet as the technical specifications for this project. A digital copy (PDF) of the HWEA Standards Manual is available upon request from the HWEA's Engineering Department.

- ♦ See attached Exhibits A1 & A2 - Crofton SSMH Locations
- ♦ See attached Exhibit B - Crofton SSMH Characteristics Table

DESCRIPTION	COMPLY	EXCEPTION
Shall comply with all specifications listed under General Specifications		
Liner must be equal or exceed Spectra-Shield©, OBIC© Armor 1000 / Guard 1306, Reliner MSP© Cement & Raven© 405 or an approved equal		
Remove steps and line seventeen (17) SSMHs including bench walls Approximately 110.5 VF		
Must include lining SSMH channel inverts as needed		
Must include making minor repair / leak stoppage in SSMH walls, bench and invert with grout / liner material as needed		
Must rebuild SSMH channel inverts as needed		
Must rebuild SSMH bench walls as needed Approximately five (5) bench walls		

WARRANTY

DESCRIPTION	COMPLY	EXCEPTION
All material provided by the Contractor under this contract shall be warranted for a period of at least ten (10) years from date of installation		
The Contractor will be required to sign a Warranty for their workmanship performed under this Contract warranting said work for a period of one (1) year		



RECEIPT OF BID PACKET

FY 2020 - 2021
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Crofton Sanitary Sewer Manhole Rehabilitations

I hereby acknowledge receipt of the subject bid packet.

Company Authorized Signature

Date

UNIT PRICE BID FORM

TASK	UNIT OF MEASURE	PRICE
Liner Installation	Vertical Foot (VF)	
Rebuilding Bench Wall	Each	
Rebuilding Invert	Each	

¹HWEA reserves the right to eliminate any line item from the Lump Sum Bid.

²Bidder acknowledges that (1) each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and (2) estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined by field measurements of completed work, as provided in the Contract Documents.



BID FORM

FY 2020 - 2021
Sealed Bid # 2021-08
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Company Name: _____

Address: _____

Telephone: _____ Fax: _____

<u>DESCRIPTION</u>	<u>BIDDER DESCRIPTION</u>	<u>TOTAL COST</u>
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Total Price of Proposed Rehabilitation	_____	\$ _____
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I, the undersigned, do hereby certify that I am a duly authorized representative of _____ located at _____ and I have carefully examined the Invitation to Bid, General Conditions, Specifications and Bid Form and agree to all terms and conditions as set forth therein.

Signature: _____

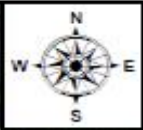
Title: _____

Acknowledged before me this _____ day of _____, 2021

NOTARY PUBLIC
My Commission Expires: _____



SANITARY SEWER SYSTEM SECTION MAP
HOPKINSVILLE WATER ENVIRONMENT AUTHORITY
HWEA - Crofton Utility Division
Friday, March 19, 2021



Legend

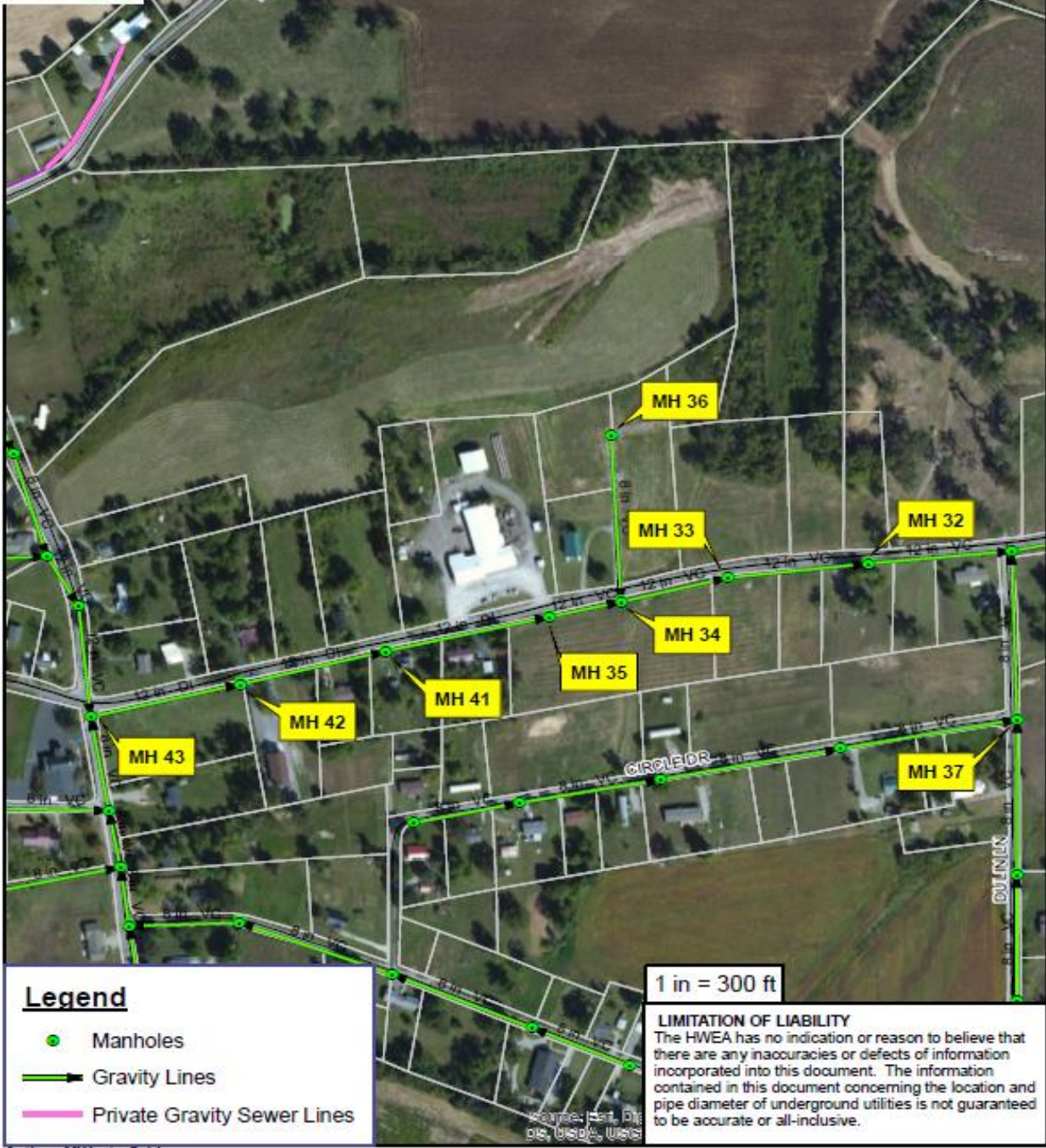
- Manholes
- Pump Stations
- Gravity Lines
- Force Main

1 in = 200 ft

LIMITATION OF LIABILITY
The HWEA has no indication or reason to believe that there are any inaccuracies or defects of information incorporated into this document. The information contained in this document concerning the location and pipe diameter of underground utilities is not guaranteed to be accurate or all-inclusive.



SANITARY SEWER SYSTEM SECTION MAP
HOPKINSVILLE WATER ENVIRONMENT AUTHORITY
HWEA - Crofton Utility Division
Tuesday, March 09, 2021



Legend

- Manholes
- Gravity Lines
- Private Gravity Sewer Lines

1 in = 300 ft

LIMITATION OF LIABILITY

The HWEA has no indication or reason to believe that there are any inaccuracies or defects of information incorporated into this document. The information contained in this document concerning the location and pipe diameter of underground utilities is not guaranteed to be accurate or all-inclusive.

**SOW PROJECT # 20-2020-B
Crofton Div. Manhole Rehab
Crofton, KY**

Exhibit B

	PROJECT:	SOW #20-2020-B Crofton Div. Manhole Rehab				
	SUBJECT:	TABULATION OF SEWER MANHOLES (\$SMH)				
	DATE:	3/19/2021				
	PREPARED BY:	Ellis Joiner / Bill Jackson / Matthew Westerfield				
	REVISED BY:	Travis Barnett				
NO.	Shown on Exhibit	GENERAL LOCATION	SEWER MANHOLE DIAMETER (FT)	APPROXIMATE SEWER MANHOLE DEPTH (FT)	SEWER MANHOLE BRICK / CONCRETE	COMMENTS
25	Exhibit A	South side of 800 east in grass across from driveway to 354 E. Princeton St.	4	5'9"	C	
26	Exhibit A	South side of 800 east in grass approx. 72' southwest of driveway to 332 E. Princeton St.	5.5	7'8"	C	I&I between middle barrel section and bench
27	Exhibit A	Southwest corner of lot 332 E. Princeton St. approx. 14' off gravel driveway to Crofton Sewer Plant	4	5'3"	C	One blocked invert, standing water
22	Exhibit A	Approx. 432' west of lot 315 E. Princeton St. on south side of 800 east in ditch bank	5	4'2"	C	Evidence of recent overflow
23	Exhibit A	North side of 800 east approx. 86' north of MH 22	4	5'2"	C	Evidence of I&I between bottom barrel and bench
24	Exhibit A	In field approx. 369' and slightly northeast of MH 23	4	3'7"	C	Evidence of recent overflow, I&I between cone and bottom barrel section
29	Exhibit A	In field approx. 849' and slightly northeast of MH 23	4	2'11"	C	I&I between cone and bottom barrel section, Evidence of recent overflow
30	Exhibit A	In field approx. 50' northwest of MH 29. Last MH before plant	4	3'1"	C	Evidence of recent overflow
35	Exhibit B	South side of 800 east in ditch approx. 45' directly across from Proolutions east entrance	5	9'3"	C	Joints between barrel sections leaking

SOW PROJECT # 20-2020-B
 Crofton Div. Manhole Rehab
 Crofton, KY

Exhibit B

34	Exhibit B	South side of 800 east in ditch approx. 45' directly across from Crofton Methodist Church east entrance	5	7'3"	C	Seal between casting and cone section is deteriorated causing I&I, Bench surface is pitted, Joints between barrel sections causing I&I
36	Exhibit B	Turn into east entrance of Crofton Methodist Church, follow old road approx. 347' north to 90° bend in road	3	2'8"	C	Joint around invert out leaking, I&I between top slab and barrel section
33	Exhibit B	South side of 800 east in ditch approx. 238' from the east entrance of Crofton Methodist Church	5	7'10"	C	Pits in concrete of bench causing I&I, Leak around joint at invert-out
32	Exhibit B	South side of 800 east in ditch approx. 304' west from Dulin Lane	5	8'	C	Cone section is badly pitted, Bench floor is pitted causing I&I, Leak around joint of invert-in, Leak at joint between bench and bottom barrel section
37	Exhibit B	Intersection of Circle Dr. and Dulin Lane, on the east side of Dulin. half in pavement	4	6'9"	C	Minor leak between bottom barrel section and bench
41	Exhibit B	Approx. 27' east of driveway of property address 213 Princeton St.	4	11'2"	C	I&I around 5 of the steps, I&I at Bench floor, Pitted concrete at bench
42	Exhibit B	Approx. 20' west of the west entrance to Princeton St. Baptist Church	4	10'5"	C	Joints between barrel sections leaking badly, Pitted concrete in bench floor
43	Exhibit B	Intersection of 800 east and Old Madisonville Road	4	9'7"	C	Joints between barrel sections leaking