

Rubin & Hays

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CHARLES S. MUSSON
W. RANDALL JONES
CHRISTIAN L. JUCKETT

August 9, 2016

RECEIVED

AUG 12 2016

Public Service
Commission

Ms. Talina R. Mathews
Executive Director
Public Service Commission
P.O. Box 615
Frankfort, Kentucky 40602

Case No. 2016-00294

Re: Southern Water and Sewer District PSC Application

Dear Ms. Mathews:

Enclosed please find the original and ten (10) copies of the Application of the Southern Water and Sewer District for a Certificate of Public Convenience and Necessity to construct and finance a project pursuant to KRS 278.020.

Also enclosed are two copies of the location map and one copy of the signed Plans and Specifications on electronic media.

If you need any additional information or documentation, please let us know.

Sincerely,

Rubin & Hays

By 
W. Randall Jones

WRJ:jl
Enclosures
cc: Distribution List

DISTRIBUTION LIST

Re: Southern Water and Sewer District - Harold Sewer Project Phase 3

Mr. Dean Hall
Southern Water and Sewer District
P.O. Box 610
McDowell, Kentucky 41647
deanm.hall@bellsouth.net

Telephone: (606) 377-9296
Fax: (606) 377-9286

R. Derek Motsch, P.E.
Summit Engineering, Inc.
3205 Summit Square Place
Lexington, Kentucky 40509
dmotsch@summit-engr.com

Telephone: (859) 264-9860

W. Randall Jones, Esq.
Rubin & Hays
Kentucky Home Trust Building
450 South Third Street
Louisville, Kentucky 40202
wrjones@rubinhays.com

Telephone: (502) 569-7534
Fax: (502) 569-7555

COMMONWEALTH OF KENTUCKY

BEFORE THE KENTUCKY PUBLIC SERVICE COMMISSION

IN THE MATTER OF:

RECEIVED

THE APPLICATION OF THE SOUTHERN WATER)
AND SEWER DISTRICT FOR THE ISSUANCE OF A)
CERTIFICATE OF PUBLIC CONVENIENCE AND)
NECESSITY TO CONSTRUCT A SEWER SYSTEM)
IMPROVEMENTS PROJECT PURSUANT TO THE)
PROVISIONS OF KRS 278.020 AND 807 KAR 5:001)

AUG 12 2016

Public Service
Commission

Case No. 2016 - 00294

** *** **** ***** **** ** **

APPLICATION

The Applicant, Southern Water and Sewer District (the "District"), files this Application pursuant to KRS 278.020(1) and KAR 5:001, and all other applicable laws and regulations, and requests that the Kentucky Public Service Commission (the "Commission") granting the District a Certificate of Public Convenience and Necessity to construct a sewer system improvements project. In support of this Application, and in compliance with the rules and regulations of the Commission, the District states as follows:

1. The District was established in accordance with the provisions of Chapter 74 of the Kentucky Revised Statutes pursuant to an Order of the County Judge/Executive of Floyd County, which Order is on file in the County Court Order Books in the office of the Clerk of Floyd County, Kentucky. The District is now, and has been since its inception, regulated by the Commission, and all records and proceedings of the Commission with reference to the District are incorporated in this

Application by reference. The District does not have any Articles of Incorporation due to the fact that it is a statutory entity.

2. The governing body of the District is its Board of Commissioners which is a public body corporate, with power to make contracts in furtherance of its lawful and proper purpose as provided for in KRS 74.070 and all applicable law and regulations.

3. The mailing address of the District is as follows:

Southern Water and Sewer District
c/o Mr. Dean Hall, Manager
P.O. Box 610
McDowell, Kentucky 41647
Telephone: (606) 377-9296
Fax: (606) 377-9286
Email: deanm.hall@bellsouth.net

4. A general description of the District's sewer system property, together with a statement of the original cost, is contained in the District's Annual Report for 2015 which is on file with the Commission. The Annual Report is incorporated herein by reference.

5. Pursuant to 807 KAR 5:001, Section 15 - Applications for Certificates of Public Convenience and Necessity, the District hereby responds as follows:

(i) Section 15(2)(a): Facts Relied Upon to Show Public Necessity: The proposed sewer improvements project (hereinafter the "Project") and the need for the Project is described in **Exhibit "A"** attached hereto.


(ii) Section 15(2)(b): Copies of Permits: Required permits include a Kentucky Division of Water Construction Permit and Kentucky Transportation Cabinet Encroachment permit. Copies of both required permits are attached hereto as **Exhibit "B"**.

- (iii) Section 15(2)(c): Description of Proposed Location or Route. A description of the proposed location and routes of the construction are shown on the maps being filed herewith. The proposed Project will not compete with any other public utilities and will not result in any wasteful duplication.
 - (iv) Section 15(2)(d)(1) and (2): Maps to Suitable Scale and Plans and Specifications: two paper maps showing the location and route of the proposed Project are included with this Application. Also the Plans and Specifications in .pdf format on electronic storage medium are being filed with this Application.
 - (v) Section 15(2)(e) Financing: The District is financing the Project with the proceeds of various grants (Community Development Block grant, Appalachian Regional Commission grant, and House Bill 265 grant) as outlined in the Budget Analysis attached hereto as **Exhibit "C"**.
 - (vi) Section 15(2)(e) Statement of Estimated Annual Cost of Operation: the District does not anticipate any change in the annual cost of operation after the Project is placed in service.
6. Certified copies of the bid tabulations for the Project are attached hereto as **Exhibit "D"**.
7. No rate adjustment will be necessary.


WHEREFORE, the District respectfully requests that the Commission take the following actions:

- A. Grant the District a Certificate of Public Convenience and Necessity permitting the District to construct the Project; and
- B. Grant the District any other relief to which said District is entitled.

Southern Water and Sewer District

By 
Paula Johnson, Chairperson
P.O. Box 610
McDowell, Kentucky 41647
Telephone: (606) 377-9296
Fax: (606) 377-9286
Email: deanm.hall@bellsouth.net

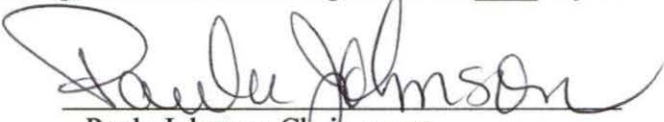
Rubin & Hays

By 
W. Randall Jones
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Phone: (502) 569-7525
Fax: (502) 569-7555
Counsel for Southern Water and Sewer District
wrjones@rubinhays.com

STATE OF KENTUCKY)
) SS
COUNTY OF FLOYD)

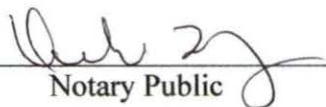
The affiant, Paula Johnson, being first duly sworn, states: That she is the Chairperson of the Southern Water and Sewer District, the Applicant in this case; that she has read the foregoing Application and has noted the contents thereof; that the same are true of her own knowledge and belief, except as to matters which are herein stated to be based on information or belief, and that these matters, believes to be true and correct.

IN TESTIMONY WHEREOF, witness the signature of the undersigned on the 2 day of August, 2016.


Paula Johnson, Chairperson

SUBSCRIBED, SWORN TO AND ACKNOWLEDGED before me by Paula Johnson, Chairperson of the Southern Water and Sewer District on this the 2 day of August, 2016.

My Commission expires: 7/8/14.


Notary Public
Notary ID#: 514803

Harold Sewer Project Phase 3 (SX21071005)

Description of the Project

GENERAL

The Harold Sewer Project is an effort by Southern Water and Sewer District to provide public sanitary sewer service to Southern Floyd County along the US23 corridor. The Harold 201 facilities plan service area extends from Harold to Tom's Creek and includes the areas of Mud Creek, Harold, Coldwater Branch, Betsy Lane, Pike Floyd Hollow, Justell, Stanville, Mare Creek, and Tom's Creek. The ultimate service area includes approximately 1,500 potential customers and consists of personal residences, small businesses, and various commercial entities.

The District has already constructed the Phase 1 and Phase 2 sewer projects. The Phase 1 and 2 projects consisted of the construction of a 100,000 GPD wastewater treatment plant and pressure sewer collection system to serve an initial 135 customers in the areas of Stanville, Betsy Layne, and Pike Floyd Hollow. The project serves two public schools, a restaurant and various strip development centers along US23.

In an effort to expand the new Harold sewer system and increase the paying customer base a Phase 3 project is proposed. The Phase 3 project consists of extending pressure sewer service to the areas of Lower Hollow, Store Hollow, and the remainder of Betsy Layne Bottom.

NEED FOR THE PROJECT (BENEFICIARIES)

The quality of living and surface water quality in the Levisa Fork will be improved by this project through providing an alternative for wastewater disposal to those people who currently rely on other disposal methods such as privately owned package plants, septic tanks, or straight pipe discharges. While privately owned package plants and septic tanks can provide adequate treatment, it is often the case that owners tend to neglect their treatment systems overtime. This tendency increases the likelihood that these facilities eventually directly discharge untreated wastewaters to the environment. When released into the environment, wastewater can become a public health hazard and a detriment to water bodies such as lakes and rivers, making them unsafe from contact recreation.

The Phase 3 Project will provide new sewer collection service to +/-136 existing customers, many of whom currently have straight pipe discharges or failing septic systems. The sewerage of the project area will directly affect the quality of water in the watershed by removing point discharges and failing localized treatment facilities. The Harold Sewer Project Phase 3 is the next step to making this a reality.

In addition to improving the areas water quality and quality of life, the expansion of the customer base will provide much needed additional flow to the plant and operation income. The more dense the customer base, the more economical the sewer rates can be for the paying customers.

MATTHEW G. BEVIN
GOVERNOR



CHARLES G. SNAVELY
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WATER
200 FAIR OAKS LANE, 4TH FLOOR
FRANKFORT, KENTUCKY 40601
www.kentucky.gov

March 11, 2016

Mr. Huber Halbert
Southern Water & Sewer District
P.O Box 610
McDowell, KY 41647

RE: A16-011
Harold WWTP--110746
Contract: Harold Sewer Project Phase 3
Activity ID: FGL20160005

Dear Mr. Halber:

The Kentucky Division of Water (DOW) has reviewed for completeness and adequacy the construction plans and specifications submitted for the above referenced contract. The DOW has granted technical approval on January 25, 2016. These plans consist of the construction of approximately 136 Simplex E/One Grinder Pump Station at 7 - 14.5 gpm with 180 - 5 feet TDH; a Lift Station with 2 pumps at 750 gpm and 104 feet TDH; 16,492 feet of 1.25-inch HDPE; 3,220 feet of 2-inch HDPE; 5,162 feet of 3-inch HDPE; 3,442 feet of 4-inch HDPE; 3,442 feet of 6-inch HDPE and 199 feet 10-inch HDPE Force Main. The approval conditions and a list of eligible/ineligible items are enclosed. Please note that ineligible items cannot be funded using State Revolving Fund (SRF) monies, and must be paid by other funding sources.

We have previously sent one (1) set of approved plans and specifications. An identical set should be made available at the project site at all times. If modifications are made to these plans and specifications before bidding, two (2) complete sets of as-bid plans and specifications must be submitted to the DOW for approval. A second DOW construction approval must be issued by separate correspondence before proceeding with advertising for bids. Any red line changes that were made by DOW personnel on the approved plans shall be incorporated into the bid set plans unless an alternative is approved.

You may now advertise for bids on the construction of this project. In addition to other notifications, this project must be advertised in the newspaper of the largest daily circulation in the project area.

A16-011
Harold WWTP--110746
Contract: Harold Sewer Project Phase 3
Activity ID: FGL20160005
March 11, 2016
Page 2 of 3

You are cautioned not to advertise unless you have a proper wage decision. The Federal Davis-Bacon wage rates and Kentucky prevailing wage rates are applicable for this project. Please contact all other funding sources for their requirements pertaining to federal or state wage rates.

You are reminded that the construction contracts are subject to the equal employment opportunity requirements contained in Executive Order 11246. Equal employment opportunity affirmative action by the prime contractors and all subcontractors is mandated throughout the duration of the contract. Documentation of efforts to comply with Executive Order 11246, Equal Employment Opportunity is required to be kept by the borrower.

Review the attached Project Review and Cost Summary form for details of the information to be collected and retained in your files or to be submitted to DOW for review and approval. This form must be completed, signed by the recipient, and with the necessary information be then forwarded to the DOW. This signature will certify that all the information to be retained by the recipient has been secured and is available for review by the Division at the pre-construction conference. The required information must be approved by the DOW before executing any contracts.

Along with the Project Review and Cost Summary form, the following items must be submitted to the DOW for review and approval before executing any contracts:

- The bid advertisement
- Revised Project Budget
- Certified bid tabulation
- Documentation of compliance with DBE Good Faith Effort in accordance with 40 CFR 33.301

These items will be reviewed as a part of the Authority to Award process. The DOW will authorize you to award the contracts once these documents are approved

After the Notice to Proceed is signed, the DOW will need a copy of the executed contract documents, including plans and specifications.

Changes orders will require approval from the DOW before payment can be authorized from the State Revolving Fund. Submission of plans and specifications may be required for change order work.

Upon completion of the project, as-built drawings shall be provided to the DOW. As-builts shall be stamped, signed and dated by a professional engineer. A written certification stating that the project was constructed according to the approved plans shall be provided to the DOW by a professional engineer.

A16-011
Harold WWTP--110746
Contract: Harold Sewer Project Phase 3
Activity ID: FGL20160005
March 11, 2016
Page 3 of 3

The previously issued construction permit has been issued under the provisions of KRS Chapter 224 and the regulations promulgated pursuant thereto. Issuance of this approval does not relieve the applicant from the responsibility of obtaining any other approvals, permits or licenses required by this Cabinet and other state, federal and local agencies.

You are cautioned that the advertisement and award of this contract will be subject to the laws and regulations that govern the State Revolving Fund (SRF) and to the conditions of your loan agreement. If we can be of further assistance, please call Mohammed Mohiuddin, Project Engineer, at (502) 564-3410, extension 4827 for technical review questions and Joel Murphy, SRF Project Administrator at 502-564-3410 extension 4592.

Sincerely,

A handwritten signature in black ink, appearing to read 'T. Humphries', written in a cursive style.

Terry Humphries, P.E.
Supervisor, Engineering Section
Water Infrastructure Branch
Division of Water

TH: MM

Enclosures:

Eligible List, Ineligible List, Approval Conditions
Project Review and Cost Summary Form

C: Summit Engineering, Inc.
Kentucky Infrastructure Authority
Cabinet for Economic Development
Floyd County Health Department
Division of Plumbing

A16-011
Southern Water & Sewer District

SRF ELIGIBLE ITEMS:

Contract No. 1: No ineligible items determined

SRF INELIGIBLE ITEMS:

Contract No. 1: No ineligible items determined

APPROVAL CONDITIONS:

1. Provide Clear Site Certificates
2. Complete and return the Project Review and Cost Summary Form.
3. Include the most recent version of the SRF Supplemental General Conditions (dated February 2016) in the As-Bid specifications.

PROJECT REVIEW AND COST SUMMARY

This questionnaire/checklist is furnished as an administrative aid and is required for use in supplying information and documents, reporting minor changes, and project status. The information and documents should be submitted to DOW as soon as possible after bid opening.

DRINKING WATER SRF

CLEAN WATER SRF

SECTION 1.

1. Project Name _____ Project Number _____
2. Changes: Have there been any changes in the project since DOW's approval of the plans and specifications?
- Yes No Construction Drawings. If yes, submit revised drawings and addenda. **See Note***
- Yes No Specifications. If yes, submit addenda. **See Note***
- Yes No Site Changes. If so, new Clear Site Certificates are required prior to start of construction.
- Yes No Authorized Representative (Mayor, City Manager, etc.). If so, provide name and title.

***Note:** Prior approval is required for changes in design, scope, type of treatment, size, capacity, time to complete the project, etc. Changes, which result in increase in the amount of a contract, must be procured in accordance with state and federal requirements, as applicable.

SECTION 2.

Date Bids Opened: _____ Date Bids Expire: _____

1. The following items should be submitted to DOW after bid opening:
- a) Executed Project Review & Cost Summary Form (this form).
 - b) Original bid advertisement or copy of advertisement with affidavit of publication.
 - c) Revised Budget (copies attached, use appropriate form).
 - d) Certified Bid Tabulations with engineer's seal.
 - e) DBE Documentation (See Attachment No. 11 of the Supplemental General Conditions (SGC)):
 - (1) Disadvantaged Business Enterprise Participation Policy from the successful low bidder with DBE certifications and executed subcontracts with DBEs or letters of intent signed by both parties; and documentation on the level of effort taken to obtain DBEs including copies of correspondence with DBE contractors,

requesting quotes and copies of any advertisements soliciting DBE contractors, copies of returned envelopes and certified mail receipts, telephone log, etc.

- (2) Bidder's List Form from recipient and successful bidder.
- (3) EPA Form 6100-3 from DBE subcontractors.
- (4) EPA Form 6100-4 from successful bidder.

2. The following items must be submitted to DOW at the Pre-construction Meeting:

- a) Executed Contract Documents (once contract is signed).
- b) Notice of Award, Notice To Proceed, Bid Bond, Payment Bond, and Performance Bond (generally included in executed contract).
- c) Technical Specification (generally included in executed contract).
- d) Contractor's Certification Regarding Lobbying (See Attachment No. 11 in the SGC).
- e) Contractor's Debarred Firm Certification (See Attachment No. 10 in the SGC).

3. A copy of the items identified in Section 2.1 and Section 2.2, above, and the following must be retained by the owner. This documentation is subject for review, by DOW, at the time of the pre-construction conference.

- a) Name and qualifications of the proposed resident inspector(s).
- b) Proposal of the successful bidder(s).
- c) EEO documentation required by Executive Order 11246 as amended. Items 1 through 11 (See Attachment No. 7 in the SGC), is required for all contracts over \$10,000 except supplier contracts. Supplier contracts require:
 - (1) Name, address, and telephone number.
 - (2) Materials to be supplied and dollar value.For contracts below \$10,000, the same information required for supplier contracts must be submitted.
- d) Engineer's letter to the loan recipient recommending award of the contract. Letter must include a description of work, dollar amount, and name of the low bidder. If award is recommended to be made to other than the low bidder, a justification indicating why the low bidder is not responsive or responsible.
- e) Contractor project construction schedule and payment schedule.
- f) Applicable wage rate determination letter.
- g) Tentative Award Resolution.

4. **Comments:** _____

I hereby certify that all documentation outlined in Section 2.1, 2.2 and 2.3 will be retained in our project files and all documentation outlined in Section 2.1 has been submitted to DOW and all documentation outlined in Section 2.2 will be submitted to DOW during the Pre-construction meeting.

Signature of Authorized Representative

Date

Print Name and Title

SRF Project Cost Summary

Project Title: _____

WRIS#: _____

Project Budget: **Estimated**

As Bid

Revised

Cost Classification	SRF KIA Loan	Funding Source 1	Funding Source 2	Funding Source 3	Funding Source 4	Funding Source 5	Local Funds	Unfunded Costs	Total
1	Administrative Expenses								
2	Legal Expenses								
3	Land, Appraisals, Easements								
4	Relocation Expenses & Payments								
5	Planning								
6	Engineering Fees – Design								
7	Engineering Fees – Construction								
8	Engineering Fees – Inspection								
9	Engineering Fees – Other								
10	Construction								
11	Equipment								
12	Miscellaneous								
13	Contingencies								
	Total								

Funding Sources	Amount	Date Committed
1		
2		
3		
4		
5		
	Total	

Local Funding Sources	Amount	Date Committed
1		
2		
3		
	Total	

Total Funding \$ _____

Cost Categories	Funding Source	Total Cost
Treatment (DW)		
Transmission and Distribution (DW)		
Source (DW)		
Storage (DW)		
WWTP Secondary Portion (CW)		
WWTP Advanced Portion (CW)		
Inflow and Infiltration Correction (CW)		
Major Sewer Rehabilitation (CW)		
Collector Sewers (CW)		
Interceptor Sewers including Pump Station (CW)		
Combined Sewer Overflow Correction (CW)		
Purchase of Systems (DW and CW)		
Restructuring (DW and CW)		
Land Acquisition (DW and CW)		
	Total Costs	

Sewer Line Construction

Harold WWTP
Facility Requirements

Activity ID No.: APE20150001

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Submittal/Action Requirements:

Condition No.	Item ID	Condition
S-1	GACT1 (Harold Sewer Project - Phase 3)	When this project is completed, the applicant shall: submit written certification: Due 30 calendar days after Completion of Construction to the Division of Water that the facilities have been constructed and tested in accordance with the approved plans and specifications and the approval conditions. Such certification shall be signed by a registered professional engineer. Failure to certify may result in penalty assessment and/or future approvals being withheld. [401 KAR 5:005 Section 24(2)]

Narrative Requirements:

Condition No.	Item ID	Condition
T-1	GACT1 (Harold Sewer Project - Phase 3)	The plans and specifications submitted for the project are approved by the Department of Environmental Protection as to sanitary features, subject to the requirements contained within the permit. [401 KAR 5:005 Section 24(3)]
T-2	GACT1 (Harold Sewer Project - Phase 3)	Authority to construct these sewers is hereby granted. This approval is issued under the provisions of KRS Chapter 224.10-100 (19) regulations promulgated pursuant thereto. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any permits or licenses required by this cabinet and other state, federal, and local agencies. [401 KAR 5:005 Section 24(3)(c)2]
T-3	GACT1 (Harold Sewer Project - Phase 3)	A permit to construct a facility shall be effective and valid for twenty-four (24) months upon issuance unless otherwise conditioned. If construction has not commenced within twenty-four (24) months following a permit's issuance, a new permit shall be obtained before construction may begin. [401 KAR 5:005 Section 24(1)]
T-4	GACT1 (Harold Sewer Project - Phase 3)	The permit is issued to the applicant, and the permittee shall remain the responsible party for compliance with all applicable statutes and administrative regulations until a notarized applicable change in ownership certification is submitted and the transfer of ownership is acknowledged by the cabinet. [401 KAR 5:005 Section 28(1)]
T-5	GACT1 (Harold Sewer Project - Phase 3)	The issuance of a permit by the cabinet does not convey any property rights of any kind or any exclusive privilege. [401 KAR 5:005 Section 24(5)]

Sewer Line Construction

Harold WWTP
Facility Requirements

Activity ID No.: APE20150001

Page 2 of 4

Narrative Requirements:

Condition No.	Item ID	Condition
T-6	GACT1 (Harold Sewer Project - Phase 3)	There shall be no deviations from the plans and specifications submitted with the application or the conditions specified, unless authorized in writing by the cabinet. [401 KAR 5:005 Section 24(3)(b)1]
T-7	GACT1 (Harold Sewer Project - Phase 3)	For subfluvial pipe crossings, a floodplain construction permit will not be required pursuant to KRS 151.250, if the following requirements of 401 KAR 4:050 Section 2 are met: 1) During the construction of the crossing, no material may be placed in the stream or in the flood plain of the stream to form construction pads, coffer dams, access roads, etc., unless prior approval has been obtained from the cabinet. 2) The trench shall be backfilled as closely as possible to the original contour. All excess material from construction of the trench shall be disposed of outside of the flood plain, unless the applicant has received prior approval from the cabinet to fill within the flood plain. 3) For subfluvial crossings of erodible channels, there shall be at least thirty (30) inches of clear cover above the top of the pipe or conduit at all points. 4) For subfluvial crossings of nonerodible channels, there shall be at least six (6) inches of clear cover above the top of the pipe or conduit at all points, and the pipe or conduit shall be encased on all sides by at least six (6) inches of concrete. 5) The weight of a pipe and its contents during normal operating conditions at all points must exceed that of an equal volume of water, or the applicant must provide the division with sufficient information to show that the pipe and joints have sufficient strength. Contact the Floodplain Management Section of the Surface Water Permits Branch at (502) 564-3410 with any question on these requirements. [KRS 151.250 & 401 KAR 4:060]
T-8	GACT1 (Harold Sewer Project - Phase 3)	If any portion of the sewer project will be constructed in or along a stream or wetland, contact the Water Quality Certification Section, located within the Water Quality Branch, at 502-564-3410, to determine if a 401 certification will be required. [KRS 224.16-050]
T-9	GACT1 (Harold Sewer Project - Phase 3)	Facilities shall be designed and constructed in accordance with the "Recommended Standards for Wastewater Facilities" of the Great Lakes-Upper Mississippi River Board of State Public Health and Environmental Managers, commonly referred to as "Ten States' Standards", 2004 edition. [401 KAR 5:005 Section 7(1)(a)]
T-10	GACT1 (Harold Sewer Project - Phase 3)	Gravity sewer lines and force mains shall be designed and constructed to give mean velocities, when flowing full, of not less than two (2) feet per second. Velocity calculations shall incorporate roughness coefficients pursuant to 401 KAR 5:005 Section 8(8). [401 KAR 5:005 Section 8(8)]

Sewer Line Construction

Harold WWTP
Facility Requirements

Activity ID No.: APE20150001

Page 3 of 4

Narrative Requirements:

Condition No.	Item ID	Condition
T-11	GACT1 (Harold Sewer Project - Phase 3)	Sewer line pipe material, joints, fittings, and installation shall conform to the latest ASTM specifications. [Ten States (WW) 33.7-33.9]
T-12	GACT1 (Harold Sewer Project - Phase 3)	Gravity sewer lines and force mains shall have a minimum of thirty (30) inches of cover or provide comparable protection. [401 KAR 5:005 Section 8(9)]
T-13	GACT1 (Harold Sewer Project - Phase 3)	Sewer lines crossing water mains shall be laid to provide a vertical distance of eighteen (18) inches between the outside of the water main and the outside of the sewer line. This shall be the case where the water main is either above or below the sewer line. The crossing shall be arranged so that the sewer line joints are equidistant and as far as possible from the water main joints. Where a water main crosses under a sewer, adequate structural support shall be provided for the sewer line to prevent damage to the water main. [Ten States (WW) 38.32]
T-14	GACT1 (Harold Sewer Project - Phase 3)	Sewer lines shall be laid at least ten (10) feet horizontally from any existing or proposed water main. The distance shall be measured from edge to edge. [Ten States (WW) 38.31]
T-15	GACT1 (Harold Sewer Project - Phase 3)	If gravity sewer lines and force mains are to be constructed in fill areas, the fill areas shall be compacted to ninety-five (95) percent density as determined by the Standard Proctor Density test or to a minimum of ninety (90) percent density as determined by the Modified Proctor Density test prior to the installation of the sewer lines. [401 KAR 5:005 Section 8(10)]
T-16	GACT1 (Harold Sewer Project - Phase 3)	An audible and visible alarm shall be provided at any proposed wastewater pump station. [Ten States (WW) 46]
T-17	GACT1 (Harold Sewer Project - Phase 3)	All proposed pump station wetwells shall be sized such that, based on the average flow, the time to fill the wetwell from the pump-off elevation to the pump-on elevation shall not exceed thirty (30) minutes. [401 KAR 5:005 Section 8(16)]

Sewer Line Construction

Harold WWTP
Facility Requirements

Activity ID No.: APE20150001

Page 4 of 4

Narrative Requirements:

Condition No.	Item ID	Condition
T-18	GACT1 (Harold Sewer Project - Phase 3)	All pump stations shall provide a minimum of two (2) hours of detention time, based on the average design flow, above the high level alarm elevation or provide an alternate source of power with wetwell storage providing sufficient time for the alternate power source to be activated. [401 KAR 5:005 Section 8(18)]
T-19	GTSP1 (Harold Sewer Project - Phase 3)	Pumps and force mains handling raw wastewater shall be capable of passing spheres of at least three (3) inches in diameter. Pump suction and discharge openings, as well as sewer force main pipe, shall be a minimum of four (4) inches in diameter. The above requirements do not apply to grinder pump stations or force mains directly connected to grinder pump stations. [Ten States (WW) 42.33, 49.1]
T-20	GTSP1 (Harold Sewer Project - Phase 3)	A simplex design shall be used only for pump stations which serve an individual residence or business, and a spare pump shall be available for immediate installation. [401 KAR 5:005 Section 8]
T-21	PORT3 (Force Main Ext)	The integrity of any proposed force main shall be verified by leakage tests. The specifications shall include testing methods and leakage limits. [401 KAR 5:005 Section 8(6)(b)]
T-22	PORT3 (Force Main Ext)	Each high point in the sewer force main shall have an automatic air release valve. [401 KAR 5:005 Section 8(19)]
T-23	PORT3 (Force Main Ext)	Adequate thrust blocks shall be provided at all significant bends in any proposed sewer force main, in order to prevent movement of the main. [Ten States (WW) 49.4]



ENCROACHMENT PERMIT

KEPTS No.: A12-2014-00011

Permittee: Southern Water & Sewer District

Latitude: 37.547752

Longitude: -82.633546

Completion Date: _____

Coordinates provided on the TC 99-1(B) are the approved location for this permit

Indemnities		
Type	Amount Required	Tracking Number
Performance Bond	0	
Payment Bond	0	
Liability Insurance	0	

This permit has been:

APPROVED DENIED

Greg Couch Engineer Branch Manager

NAME **TITLE**

Greg Couch 10/15/2014

SIGNATURE **DATE**

The TC 99-1(B), including the application TC-99 1(A) and all related and accompanying documents and drawings make up the permit. It is not a permit unless both the TC 99-1(A) and TC 99-1(B) are both present.



ENCROACHMENT PERMIT

KEPTS No.: A12-2014-00147

Permittee: Southern Water & Sewer District

Latitude: 37.532189

Longitude: -82.627089

Completion Date:

Coordinates provided on the TC 99-1(B) are the approved location for this permit

Indemnities		
Type	Amount Required	Tracking Number
Performance Bond	0	
Payment Bond	0	
Liability Insurance	0	

This permit has been:

APPROVED DENIED

Greg Couch	Engineer Branch Manager
<hr/>	
NAME	TITLE
Greg Couch	10/15/2014
<hr/>	
SIGNATURE	DATE

The TC 99-1(B), including the application TC-99 1(A) and all related and accompanying documents and drawings make up the permit. It is not a permit unless both the TC 99-1(A) and TC 99-1(B) are both present.



STEVEN L. BESHEAR
GOVERNOR

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WATER
200 FAIR OAKS LANE, 4TH FLOOR
FRANKFORT, KENTUCKY 40601
www.kentucky.gov

LEONARD K. PETERS
SECRETARY

October 20, 2014

Southern Water & Sewer District
245 KY 680
McDowell, KY 41647

RE: Southern Water & Sewer District - **Extension of a low pressure sanitary sewer service in the floodplain of Levisa Fork, with coordinates 37.53204, -82.62741, in Floyd County.** AI: 1318

Dear Southern Water & Sewer District:

A construction permit pursuant to KRS 151.250 is not required for a subfluvial utility or pipe crossing provided that the construction of the crossing meets specific criteria (**see enclosed sheet, Section 2**) set forth by Administrative Regulations 401 KAR 4:050. We have reviewed the construction drawings and other submitted information for the referenced project and determined that all the exemption criteria will be met. *Therefore, a stream construction permit will not be required.* Any deviation from the project scope shall require a revised application which may result in the issuance of a permit should it be required.

If this activity will result in a discharge of dredged or fill material into waters of the United States, additional permits may be required from the U.S. Army Corps of Engineers and the Kentucky Division of Water. Examples of discharges include but are not limited to placement of dirt, culverts, rock or pipelines in a stream or wetland. Please contact the Water Quality Certification Section staff at 502/564-3410 for additional information.

This exemption is issued from the standpoint of stream obstruction only and does not constitute certification of any other aspect of proposed construction. The applicant is liable for any damage resulting from the construction, operation or maintenance of the project and is responsible for obtaining any other permits or licenses required by this cabinet and other state, federal and local agencies. This document is being furnished to you in lieu of a Stream Construction Permit for the referenced activity.

If you have any questions, please call Mr. Solitha Dharman at (502) 564-3410.

Sincerely,

Todd Powers, P.E., Supervisor
Floodplain Management Section
Surface Water Permit Branch
Division of Water

JB/SD/kec

c: Hazard Regional Office
Lon May – Floyd County Floodplain Coordinator
Derek Motsch, PE (by email)
File

401 KAR 4:050, Section 2

A construction permit pursuant to KRS 151.250 shall not be required for a subfluvial utility or pipeline crossing provided that the construction of the crossing meets the following criteria:

- 1) During the construction of the crossing, no material may be placed in the stream or in the floodplain of the stream to form construction pads, coffer dams, access roads, etc., unless prior approval has been obtained from the Cabinet.
- 2) The trench shall be backfilled as closely as possible to the original contour. All excess material from construction of the trench shall be disposed of outside of the floodplain unless the applicant has received prior approval from the Cabinet to fill within the floodplain.
- 3) For subfluvial crossings of erodible channels, there shall be at least thirty (30) inches clear to the top of the pipe or conduit at all points.
- 4) For subfluvial crossings of non-erodible channels, there shall be at least six (6) inches of clear cover above the top of the pipe or conduit at all points, and the pipe or conduit shall be encased on all sides by at least six (6) inches of concrete.
- 5) The weight of a pipe and its contents during normal operating conditions at all points must exceed that of an equal volume of water, or the applicant must provide the Division with sufficient information to show that the pipe and joints have sufficient strength.

**HAROLD III
BUDGET ANALYSIS
7/27/2016**

PROJECT COSTS	AS BID	ADJUSTMENT	ADJUSTED FOR CURRENT EXPECTATIONS
1 Administrative	29,300	0	29,300
2 Legal	22,000	19,500	2,500
3 Land & Esmts	15,000	15,000	0
4 Relocation	0	0	0
5 Planning	15,050	12,550	2,500
6 Engineering - Design	70,980	0	70,980
7 Engineering - Construction	30,420	0	30,420
9 Engineering - Inspection	63,355	63,355	0
0 Engineering - Other	27,500	15,000	12,500
10 Construction	1,064,165	0	1,064,165
11 Equipment	0	0	0
12 Miscellaneous	10,000	1,028	8,972
13 Contingencies	227,230	174,021	118,663
TOTAL PROJECT	1,575,000	300454	1340000

PROJECT FUNDING

	Grant or Principal Forgiveness	Loan
KIA - SRF fund 'A'	0	
CDBG	750,000	
ARC	390,000	
HB265	200,000	
Sub-Total	1,340,000	0
TOTAL FUNDING	1,340,000	



May 19, 2016

12-454

Dean Hall
Southern Water and Sewer District
P.O. Box 610
McDowell, KY 41647

RE: Harold Sewer Project Phase 3
Southern Water and Sewer District
Award Recommendation

Mr. Dean Hall:

As you are aware the above referenced project was bid May 11, 2016. The apparent low bidder was BOCA Enterprises, Inc. from Hager Hill, KY with a Total Base Bid of \$1,064,165.00.

A certified tabulation of the bids received is attached hereto as Exhibit 'B'. Four (4) bids were received for the project, one bid was declared unresponsive.. Below is a summary of the three (3) lowest bids submitted for the project:

<u>Bidder</u>	<u>Amount</u>
Boca Enterprises, Inc.	\$1,064,165.00
USRC, Inc.	\$1,166,550.00
Ronnie Mullins and Sons, Inc.	\$1,228,650.00

Based on our review of the bids, the average bid amount of the three submitted bids was \$1,153,121.67. The Engineer's estimate for construction of the base bid was \$1,131,425.00, representing an 1.8 percent (1.8%) difference in the average bid. The low bid listed above is below the mean bid and Engineer's estimate.

FUNDING

The project has a sufficient contingency fund.

3205 Summit Square Place, Lexington, Kentucky 40509

AS BID BUDGET

ITEM	BUDGETED	AS BID
Administrative Expenses	29,300	29,300
Legal Expenses	22,000	22,000
Land Easements	15,000	15,000
Planning	15,050	15,050
Engineering Design/Construction	101,400	101,400
Engineering Inspection	63,355	63,355
Engineering Other	27,500	27,500
Construction	1,174,000	1,064,000
Contingency	(10%) 117,3905	(21%) 227,395
Other	10,000	10,000

EVALUATION OF LOW BIDDER(S)

1. Experience

Our investigations have revealed that the low bidder is experienced and has good reports in the respective field. Boca Enterprises, Inc. has recently completed numerous similar projects in surrounding communities of Eastern Kentucky. The previously completed project list supplied with their bid indicates they have significant experience in sewer construction projects.

2. Bid Bond

BOCA Enterprises, Inc. furnished a bond drawn on Old Republic Insurance Company. This bonding company is on the Treasury Departments 570 list.

3. Bidders Questionnaire

Boca Enterprises, Inc. signed the site and contract document certificates, furnished bid bonds in the correct amount, and provided adequate information on the contractor's questionnaire. BOCA Enterprises, Inc. also verified that they have visited the site and are comfortable with the project requirements.

PERMITS

DOW Construction, KYTC Encroachment, and Floodplain Construction permits have been submitted and are approved.

RECOMMENDATION

Based on our review of the submitted bids for this project, we believe award of the project to BOCA Enterprises, Inc. is in the best interests of the project. We recommend that the Southern Water and Sewer issue a Notice of Award to Boca Enterprises, Inc. and make the final contract signing and notice to proceed contingent on obtaining funding agency approval.

CLOSURE

Summit Engineering, Inc. appreciates the opportunity to be of assistance. If additional information is needed, I may be reached at 859-264-9860 ext. 104.

Sincerely,
SUMMIT ENGINEERING, INC.



R. Derek Motsch, P.E.
Senior Project Engineer

Encl. Exhibit A – Bid Opening Sign-In
Exhibit B – Certified Bid Tabulations

Cc: Denise Thomas, Big Sandy ADD
BOCA Enterprises, Inc.
Ronnie Akers, Magistrate, Floyd County Fiscal Court
All Bidding Contractors (Bid Tab Only)



BID TAB
 Harold Sewer Project - Phase 3
 SX21071005
 5/11/2016

This is to certify that the below is a true and exact copy of the tabulation of bids received on the above referenced project; that the same was advertised in the manner and form prescribed by the laws of the Commonwealth of Kentucky and sealed and competitive bids were received and publicly opened and read aloud on the hour and date prescribed in the Advertisement, this 11th day of May, 2016.

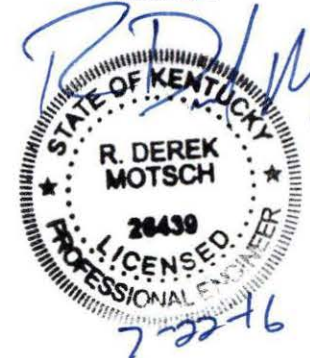
RD





ITEM	ITEM DESCRIPTION	QUANTITY	UNIT	Engineer's Estimate		Ronnie Mullins & Sons, Inc		USRC, Inc.		Boca Enterprises, Inc.	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1 FORCE MAINS											
a	1.25" SDR11 HDPE Green Stripe Sewer Pipe, Complete In-Place (Note 1)	10,050	LF	\$ 8.00	\$ 80,400.00	\$ 8.00	\$ 80,400.00	\$ 8.00	\$ 80,400.00	\$ 5.75	\$ 57,787.50
b	2" SDR11 HDPE Green Stripe Sewer Pipe, Complete In-Place (Note 1)	4,300	LF	\$ 9.00	\$ 38,700.00	\$ 10.00	\$ 43,000.00	\$ 9.00	\$ 38,700.00	\$ 6.50	\$ 27,950.00
c	3" SDR11 HDPE Green Stripe Sewer Pipe, Complete In-Place (Note 1)	5,325	LF	\$ 11.00	\$ 58,575.00	\$ 12.00	\$ 63,900.00	\$ 10.00	\$ 53,250.00	\$ 7.50	\$ 39,937.50
d	4" SDR11 HDPE Green Stripe Sewer Pipe, Complete In-Place (Note 1)	50	LF	\$ 13.00	\$ 650.00	\$ 14.00	\$ 700.00	\$ 15.00	\$ 750.00	\$ 10.00	\$ 500.00
e	6" SDR11 HDPE Green Stripe Sewer Pipe, Complete In-Place (Note 1)	50	LF	\$ 15.00	\$ 750.00	\$ 16.00	\$ 800.00	\$ 18.00	\$ 900.00	\$ 11.00	\$ 550.00
f	8" SDR11 HDPE Green Stripe Sewer Pipe, Complete In-Place (Note 1)	0	LF	\$ 24.00	\$ -	\$ 24.00	\$ -	\$ -	\$ -	\$ -	\$ -
f	10" SDR11 HDPE Green Stripe Sewer Pipe, Complete In-Place (Note 1)	100	LF	\$ 28.00	\$ 2,800.00	\$ 25.00	\$ 2,500.00	\$ 38.00	\$ 3,800.00	\$ 40.00	\$ 4,000.00
2 ENCASEMENTS											
a	Bore and Encasement for 3" or 4" Pipe	80	LF	\$ 150.00	\$ 12,000.00	\$ 150.00	\$ 12,000.00	\$ 125.00	\$ 10,000.00	\$ 100.00	\$ 8,000.00
b	Bore and Encasement for 4" and 6" Pipes	0	LF	\$ 175.00	\$ -	\$ 175.00	\$ -	\$ -	\$ -	\$ -	\$ -
c	Open Cut and Encase for 3" or 4" Pipe	50	LF	\$ 40.00	\$ 2,000.00	\$ 40.00	\$ 2,000.00	\$ 75.00	\$ 3,750.00	\$ 40.00	\$ 2,000.00
d	Open Cut and Encase for 4" and 6" Pipes	0	LF	\$ 60.00	\$ -	\$ 60.00	\$ -	\$ -	\$ -	\$ -	\$ -
3 VALVES											
a	2-Inch Resilient Wedge Gate Valve for HDPE Force Main Complete w/ Valve Box, Cover, and Marker	3	EA	\$ 750.00	\$ 2,250.00	\$ 1,000.00	\$ 3,000.00	\$ 700.00	\$ 2,100.00	\$ 730.00	\$ 2,190.00
b	3-Inch Resilient Wedge Gate Valve for HDPE Force Main Complete w/ Valve Box, Cover, and Marker	3	EA	\$ 900.00	\$ 2,700.00	\$ 1,100.00	\$ 3,300.00	\$ 1,000.00	\$ 3,000.00	\$ 900.00	\$ 2,700.00
c	4-Inch Resilient Wedge Gate Valve for HDPE Force Main Complete w/ Valve Box, Cover, and Marker	1	EA	\$ 900.00	\$ 900.00	\$ 1,200.00	\$ 1,200.00	\$ 1,500.00	\$ 1,500.00	\$ 1,000.00	\$ 1,000.00
d	5-Inch Resilient Wedge Gate Valve for HDPE Force Main Complete w/ Valve Box, Cover, and Marker	1	EA	\$ 900.00	\$ 900.00	\$ 1,300.00	\$ 1,300.00	\$ 1,700.00	\$ 1,700.00	\$ 1,300.00	\$ 1,300.00
e	8-Inch Resilient Wedge Gate Valve for HDPE Force Main Complete w/ Valve Box, Cover, and Marker	0	EA	\$ 1,750.00	\$ -	\$ 1,750.00	\$ -	\$ -	\$ -	\$ -	\$ -
f	10-Inch Resilient Wedge Gate Valve for HDPE Force Main Complete w/ Valve Box, Cover, and Marker	2	EA	\$ 2,000.00	\$ 4,000.00	\$ 2,500.00	\$ 5,000.00	\$ 3,000.00	\$ 6,000.00	\$ 3,400.00	\$ 6,800.00
g	Air Release Valve and Pit, Complete In-Place	1	EA	\$ 2,000.00	\$ 2,000.00	\$ 3,000.00	\$ 3,000.00	\$ 2,500.00	\$ 2,500.00	\$ 2,100.00	\$ 2,100.00
h	Combination Air and Vacuum Release Valve and Pit, Complete In-Place	2	EA	\$ 2,500.00	\$ 5,000.00	\$ 3,000.00	\$ 6,000.00	\$ 2,500.00	\$ 5,000.00	\$ 2,100.00	\$ 4,200.00
4 PAVEMENT REPLACEMENT											
a	Pavement Replacement	1	LS	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00
5 PUMP STATIONS AND APPURTENANCES											
a	Full Service - Simplex Residential Grinder Pump Station, Complete In-Place Tested and In Service (Note 2,4)	132	EA	\$ 3,750.00	\$ 495,000.00	\$ 4,350.00	\$ 574,200.00	\$ 3,950.00	\$ 521,400.00	\$ 3,550.00	\$ 468,600.00
b	Full Service - Duplex Residential Grinder Pump Station, Complete In-Place Tested and In Service (Note 2,4)	1	EA	\$ 8,500.00	\$ 8,500.00	\$ 8,600.00	\$ 8,600.00	\$ 10,000.00	\$ 10,000.00	\$ 9,500.00	\$ 9,500.00
c	Pressure Sewer Lateral Assembly (Note 4)	133	EA	\$ 350.00	\$ 46,550.00	\$ 600.00	\$ 79,800.00	\$ 500.00	\$ 66,500.00	\$ 550.00	\$ 73,150.00
d	Extra Vertical Height for Residential Grinder Pump Enclosure	15	VF	\$ 350.00	\$ 5,250.00	\$ 350.00	\$ 5,250.00	\$ 300.00	\$ 4,500.00	\$ 300.00	\$ 4,500.00
e	Spare Core Assembly and Controls for Residential Grinder Pump Station - Suitably Stored	9	EA	\$ 2,500.00	\$ 22,500.00	\$ 1,800.00	\$ 16,200.00	\$ 300.00	\$ 2,700.00	\$ 2,700.00	\$ 19,800.00
f	Conventional Lift Station, Complete In-Place Tested and Ready for Service - Magnolia Street (750 GPM)	1	LS	\$ 175,000.00	\$ 175,000.00	\$ 155,000.00	\$ 155,000.00	\$ 170,000.00	\$ 170,000.00	\$ 180,000.00	\$ 180,000.00
g	Furnish and Install Backup Generator System Complete with all Necessary Controls and Accessories	1	LS	\$ 50,000.00	\$ 50,000.00	\$ 61,000.00	\$ 61,000.00	\$ 75,000.00	\$ 75,000.00	\$ 64,000.00	\$ 64,000.00
h	Furnish and Install Liquid Odor Control System Complete with all Necessary Controls and Accessories	1	LS	\$ 20,000.00	\$ 20,000.00	\$ 18,500.00	\$ 18,500.00	\$ 19,000.00	\$ 19,000.00	\$ 20,000.00	\$ 20,000.00
i	Magnolia Street Lift Station electrical service allowance	1	LS	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00
6 GENERAL											
a	Seeding & Clean Up	1	LS	\$ 10,000.00	\$ 10,000.00	\$ 12,500.00	\$ 12,500.00	\$ 10,000.00	\$ 10,000.00	\$ 2,500.00	\$ 2,500.00
b	Remove Existing Septic Tanks "unavoidably" damaged by construction	6	EA	\$ 1,500.00	\$ 9,000.00	\$ 1,000.00	\$ 6,000.00	\$ 500.00	\$ 3,000.00	\$ 500.00	\$ 3,000.00
c	Landscape Allowance - replace damaged shrubs as actual cost reimbursable -- receipts required	1	LS	\$ 2,750.00	\$ 2,750.00	\$ 2,500.00	\$ 2,500.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00
d	Pre-Construction Video presented to OWNER (2 copies on DVD)	1	LS	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00
e	Mobilization/Demobilization (Note 3)	1	LS	\$ 32,250.00	\$ 32,250.00	\$ 20,000.00	\$ 20,000.00	\$ 30,000.00	\$ 30,000.00	\$ 17,000.00	\$ 17,000.00
TOTAL CONTRACT 1					\$ 1,131,425.00		\$ 1,228,650.00		\$ 1,166,550.00		\$ 1,064,165.00

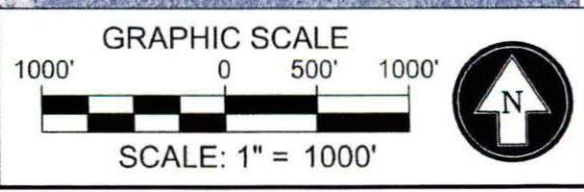
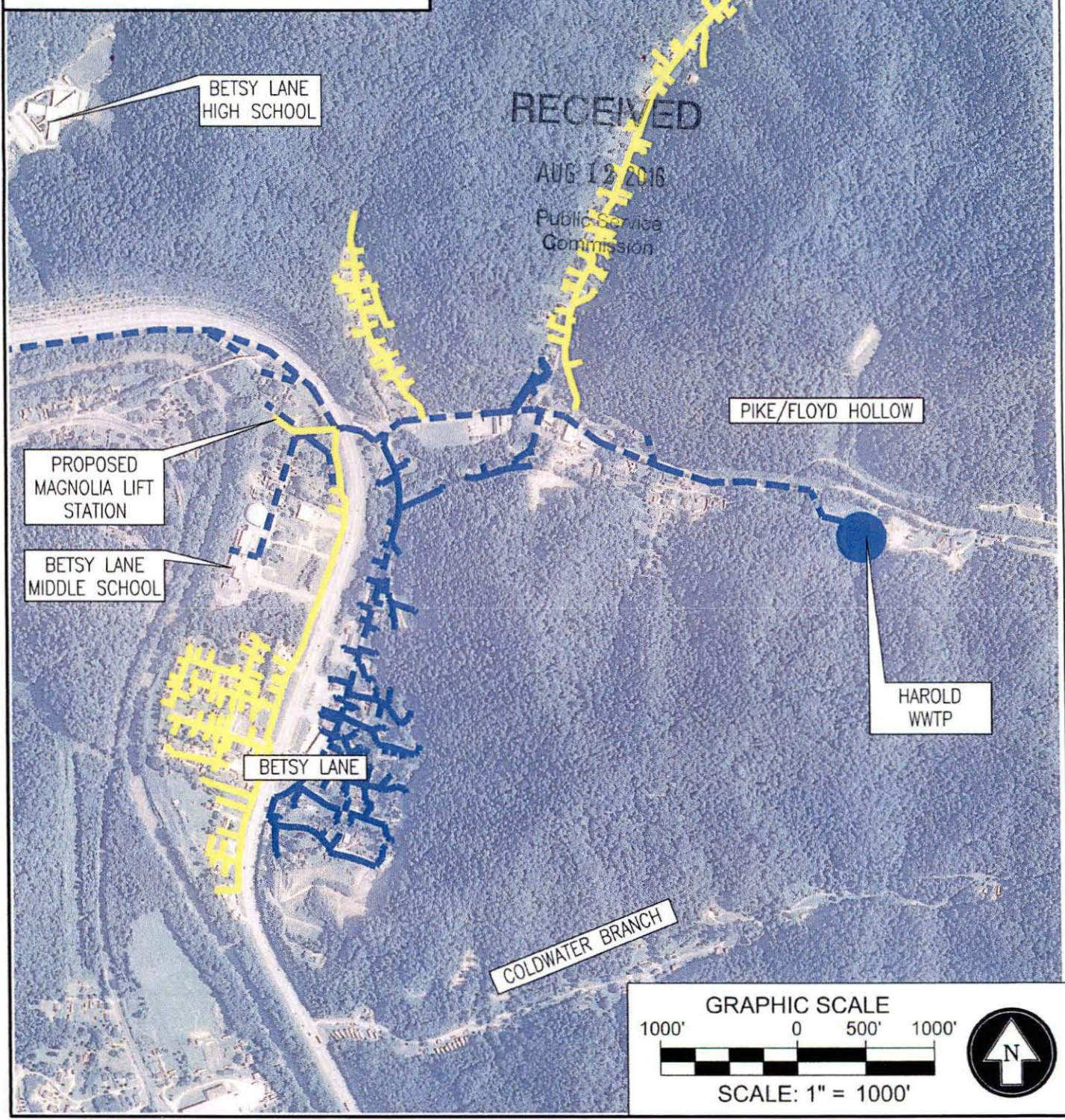
NOTES

- There shall be no distinction made between "cut and cover" and "trenchless" pipe construction techniques required by the project. Contractor shall review the plans and prepare his bid accordingly.
- Item to include all necessary 4" PVC pipe for connection of gravity sewer laterals to pump station. Contractor shall prepare his bid accordingly! No separate measurement and payment will be made for sewer lateral piping for grinder pump station installations. See technical specifications.
- Mobilization / demobilization may not exceed three (3) percent of the base bid total.
- 133 grinder pump bid quantity assumes 100% participation, the quantity will adjusted during construction based on the actual number of signups. the unit price bid will not be adjusted due to changes in



LEGEND

- EXISTING SEWER 
- PROPOSED PHASE 3 SEWER LINE (+/-136 CUSTOMERS) 



Southern Water and Sewer District

Floyd County, Kentucky

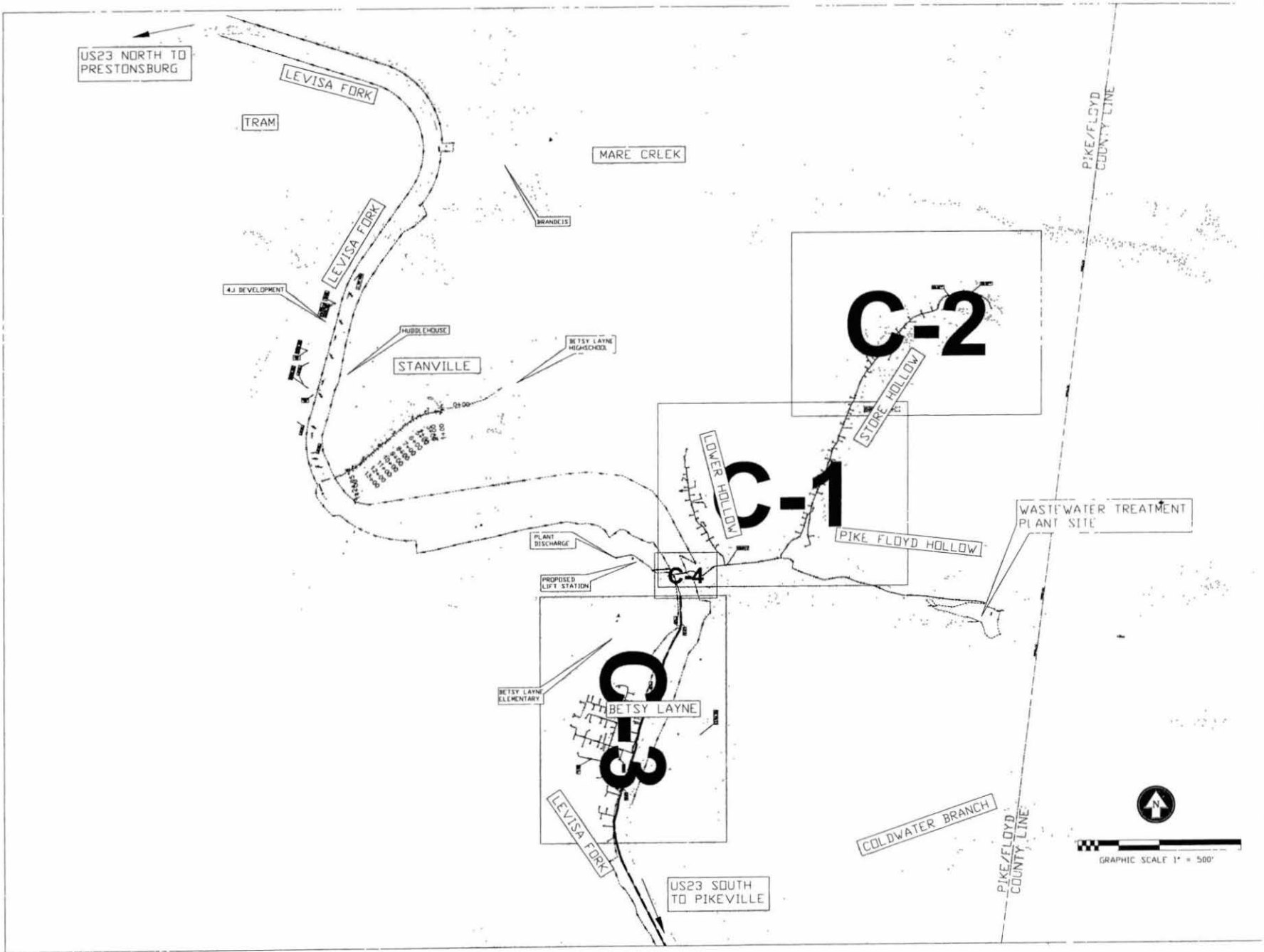
Harold Sewer Project - Phase 3

General Location Map


DATE:	10/13/2016
SCALE:	1"=1000'
DRAWN BY:	MD
CHECKED BY:	RP
PROJECT NO.:	05-41
SHEET:	

Ex. C

OF:



DATE	DESCRIPTION OF REVISION
7/27/13	Revised per actual survey "As shown"

SUMMIT ENGINEERING, INC.  245 Kentucky Route 880 Moscow, Kentucky 40457	
Southern Water and Sewer District 245 Kentucky Route 880 Moscow, Kentucky 40457 HARDY SEWER PROJECT - PHASE 3 Key Map	

DATE:	3/29/2014
SCALE:	As Noted
DRAWN BY:	PPC
CHECKED:	REM
PROJECT NO:	12-454
SHEET:	G-3