



CITY OF MARSHALL

COMMISSION AGENDA INFORMATION SHEET:

MEETING DATE: July, 29, 2015

PROJECT: Consider and act on a recommendation to approve a Professional Services Work Order with Stokes and Associates, Inc. of Henderson, Texas for engineering and construction inspection for a 2015 St. Francis Street utility-funded Sewer Line Improvement project at a cost of \$9,500. (Public Services Director)

DESCRIPTION:

Attached is a Professional Services Work Order from Stokes and Associates for a utility-funded sewer line improvement project on St. Francis Street. The work order cost is \$9,500 dedicated for engineering, surveying, and construction oversight activities.

Our issue is sewer backing up into four sets of duplex units at the eastern end of St. Francis, near a sewer main outfall. Two of the four units have service lines and base slab elevations near and below the sewer main that runs eastward to the sewer outfall. During heavy rains, the sewer outfall fills up and backs up into the sewer line on St. Francis, causing sewer to back up into the apartments. We have asked the duplex owners in the past to install back flow preventers, but those have only met with limited success and are never considered a long term solution.

In late June 2015 we received a "Summary of Investigation Findings" from the Texas Commission on Environmental Quality (TCEQ) notifying the City of Marshall that they determined this location requires attention – it should be noted that this investigation is a direct result of our self policing and self reporting process wherein we immediately notify the TCEQ when we have unauthorized sewer backups or surcharges, which is required by state law. The notification gave us 30 days to notify the TCEQ of our remedy for this recurring issue; we have already notified the TCEQ of our intent to address the sewer backup issue in the apartments and also notified the TCEQ that we are also addressing the outfall line surcharging issue because of increased inflow issues. Regarding the outfall line, we have already made internal maintenance repairs to remove roots and have also completed smoke testing of the sewer mains in the area upstream of the outfall line to help locate sources of ground or storm water entering the outfall line and causing the surcharge during heavy rains. Staff is in the process of reviewing videos of the sewer mains to pinpoint locations of water inflow.

In conclusion, as a result of our receiving notification from the TCEQ regarding this specific recurring issue, we are required to take positive steps to correct the issue or face fines in the future. The estimated project cost, including this proposed engineering cost, is approximately \$64,500.

COST:
\$9,500

FUNDING:	<u>Acct. Name & No</u>	<u>Original Budget</u>
Water Utilities	40-0411-20-03	\$125,000 (overall line item budget) Sewer Main & Service Line Improvements

**RECOMMENDED
ACTION:**

Approve a Professional Services Work Order with Stokes and Associates, Inc. of Henderson, Texas for engineering, construction, and inspection for 2015 St. Francis Street utility-funded Sewer Line Improvement project at a cost of \$9,500.

CITY CONTACT: J. C. Hughes, Public Services Director 903-503-4503

ATTACHMENTS:

Proposed Work Order for 2015 2015 St. Francis Street utility-funded Sewer Line Improvement project
– Stokes and Associates, Inc.
TCEQ Notification Letter
Draft Sewer Line Installation Design

cc: File

Summary of Investigation Findings

CITY OF MARSHALL SOUTHSIDE PLANT
5517 FIVE NOTCH RD
MARSHALL, HARRISON COUNTY, TX 75672

Investigation #
1255147
Investigation Date: 05/27/2015

Additional ID(s): WQ0010583002
TX0021784

OUTSTANDING ALLEGED VIOLATION(S) ASSOCIATED TO A NOTICE OF VIOLATION

Track No: 572330 Compliance Due Date: 07/21/2015
30 TAC Chapter 305.125(5)

Alleged Violation:

Investigation: 1255147

Comment Date: 06/09/2015

- * The facility failed to maintain the wastewater collection system, specifically, failure to prevent excessive Infiltration and Inflows (I&I) to the portion(s) of the collection system that supports the residences of Saint Francis Street.

During the 5/27/2015 Investigation, effluent was observed to be allowed to discharge from a service line after the service line was alleged to be hydraulically overloaded from the wastewater collection line due to excessive Infiltration and Inflows of the collection line.

Recommended Corrective Action: The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) installed or used by the permittee to achieve compliance with the permit conditions. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training.

- * Repair, refurbish, or upgrade the Saint Francis Street wastewater collection line to design specifications specifically regarding the prevention of infiltration and inflow. Procedures such as line smoking, cameras, etc. will need to be performed during the rehabilitation. Submit written and photographic compliance documentation to the Texas Commission on Environmental Quality (TCEQ), Tyler Region office within thirty (30) days of the date on the Notice of Violation Letter that demonstrates schedules, benchmarks, and work completed of a comprehensive plan to eliminate the associated public health risk of the unauthorized discharge to waters of the State from the wastewater collection system of the City of Marshall.

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

June 18, 2015

RECEIVED

JUN 23 2015

City Of Marshall
PW/Utilities

CERTIFIED MAIL 9171 9690 0935 0081 7870 57
RETURN RECEIPT REQUESTED

J. C. Hughes, Public Works Director
City of Marshall
P.O. Box 698
Marshall, TX 75671-0698

Re: Notice of Violation for Compliance Investigation at:
Collection System of the City of Marshall Southside Wastewater Treatment
5517 Five Notch Road, Marshall, (Harrison County), Texas 75671-0698
TCEQ Permit No.: WQ00105830002, EPA ID No.: TX0021784

Dear Mr. Hughes,

On May 27, 2015, William Riedel of the Texas Commission on Environmental Quality (TCEQ) Tyler Region Office conducted an investigation of the above-referenced regulated entity to evaluate compliance with applicable requirements for wastewater treatment. Enclosed is a summary which lists the investigation findings. During the investigation, certain outstanding alleged violations were identified for which compliance documentation is required. Please submit to this office by July 21, 2015 a written description of corrective action taken and the required documentation demonstrating that compliance has been achieved for each of the outstanding alleged violations.

In the listing of the alleged violations, we have cited applicable requirements, including TCEQ rules. Please note that both the rules themselves and the agency brochure entitled Obtaining TCEQ Rules (GI 032) are located on our agency website at <http://www.tceq.state.tx.us> for your reference. If you would like a hard copy of this brochure mailed to you, you may call and request one from either the Tyler Region Office at 903-535-5100 or the Central Office Publications Ordering Team at 512-239-0028.

The TCEQ appreciates your assistance in this matter. Please note that the Legislature has granted TCEQ enforcement powers which we may exercise to ensure compliance with environmental regulatory requirements. We anticipate that you will resolve the alleged violations as required in order to protect the State's environment. If you have additional information that we are unaware of, you have the opportunity to contest the violations

Mr. J. C. Hughes, Public Works Director

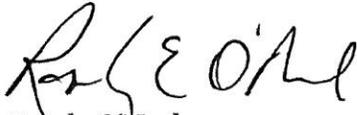
Page 2

June 18, 2015

documented in this notice. Should you choose to do so, you must notify the Tyler Region Office within 10 days from the date of this letter. At that time, Ross Morgan will schedule a violation review meeting to be conducted *within 21 days from the date of this letter*. However, please be advised that if you decide to participate in the violation review process, the TCEQ may still require you to adhere to the compliance schedule included in the enclosed Summary of Investigation Findings until an official decision is made regarding the status of any or all of the contested violations.

If you or members of your staff have any questions, please feel free to contact William Riedel in the Tyler Region Office at (903) 535-5129.

Sincerely,



Randy O'Neal
Water Quality Work Leader
Tyler Region Office
Texas Commission on Environmental Quality

REO/wfr

cc: Chris Miles, Collection/Distribution Superintendent, City of Marshall

Enclosure: Summary of Investigation Findings

(Rev. 02/23/12)

**EXHIBIT A
MASTER AGREEMENT
TO FURNISH CONSULTING SERVICES TO
CITY OF MARSHALL, TEXAS**

**WORK ORDER NO. 695-1520
ST FRANCIS STREET SEWER IMPROVEMENTS**

The work described below shall be completed in accordance with the Master Agreement to Furnish Consulting Services to the City of Marshall, Texas, dated March 25, 2004.

SCOPE OF WORK

The ENGINEER has met with the OWNER and determined the Scope of Work and the services to be rendered prior to preparation of this Work Order. The general description of the work shall be to prepare the plans, specifications and contract documents for the St. Francis Street Sewer Improvements. The Project shall include engineering design of approximately 300 linear feet of 6" diameter sewer main and reconnection of 4 residential sewer services.

PRELIMINARY DESIGN

1. The ENGINEER shall obtain copies of any plans, reports, permits or other pertinent information relating to the Project from the OWNER.
2. The OWNER shall assist ENGINEER in locating existing municipal utilities along the proposed route. The OWNER shall make available equipment and personnel necessary to determine utility conflicts for preparation of the construction plans.
3. The ENGINEER shall perform the necessary fieldwork to establish the line and grade of the proposed sewer main.
4. The ENGINEER shall prepare the preliminary construction plans in accordance with the Scope of Work listed above.
5. The ENGINEER'S surveyor shall prepare the required easement field note descriptions and plats for the relocated sewer main. Owner shall be responsible for preparation of the completed easement document and acquisition, if applicable.
6. The ENGINEER shall conduct a 75% plan review with the OWNER for comments and recommendations prior to ENGINEER developing the final construction documents.

FINAL DESIGN PLANS, SPECIFICATIONS & BID DOCUMENTS

1. The ENGINEER shall prepare the Final Design Plans incorporating the results of all mutually agreed changes requested by the OWNER.
2. The ENGINEER shall prepare the Final Specifications for the project which shall include the detailed descriptions of the various items to be incorporated into the Project along with the Bid Documents and Construction Contract.

3. The ENGINEER shall coordinate and assist the Owner in obtaining a minimum of three competitive bids from area contractors.
4. The ENGINEER shall assist the OWNER with contract award.

CONSTRUCTION ENGINEERING

1. The ENGINEER, with the OWNER'S assistance, shall conduct a pre-construction conference with the Contractor.
2. The ENGINEER shall provide horizontal and vertical control points on the ground sufficient to allow the Contractor to perform the work.
3. The ENGINEER shall review any material submitted by the Contractor in accordance with the Technical Specification that is to be incorporated into the project.
4. The ENGINEER shall review and recommend monthly pay requests submitted by the Contractor. Each pay request shall be forwarded to the OWNER for payment.
5. The ENGINEER shall make weekly inspections of the work to verify that the Project is being generally constructed in accordance with the Plans, Specifications and Contract Documents and shall rely on City personnel, to perform day to day inspection activities.
6. The ENGINEER shall prepare any Change Order that affects the Project. Change Orders that alter the Scope of Work shall be considered as additional work and the ENGINEER shall be compensated at his hourly rate negotiated at the time of the change. All change orders shall be approved by the OWNER prior to issuance to the Contractor.
7. The ENGINEER shall assist the OWNER with final inspection and close out of the accepted Project.
8. The ENGINEER shall prepare and deliver to OWNER one (1) hard copy of the Record drawings.

PERIOD OF PERFORMANCE

It is estimated that the design work set forth in the Scope of Work above can be completed within 90 days from approval of this work order.

COMPENSATION

The ENGINEER shall be compensated a fixed-fee amount of nine thousand five hundred dollars (\$9,500) for completion of the Work described above. Payment shall be made monthly by the OWNER in accordance with requests made by the ENGINEER as defined in the Master Agreement.

IN WITNESS WHEREOF, the Parties execute below:

CITY OF MARSHALL, TEXAS	STOKES & ASSOCIATES, INC. 
Lisa Agnor, City Manager	Neal Holland, President

Dated this ____ day of _____, 2015.