EJCDC
ENGINEERS JOINT CONTRACT DOCUMENTS COMMITTEE

**Change Order No.** 1

| | | | |
|---|---|---|---|
| Date of Issuance: | **May 21, 2018** | Effective Date: | **May 28, 2018** |
| Owner: | **Town of Stoneville** | Owner's Contract No.: | N/A |
| Contractor: | **Citty's Plumbing and Pools** | Contractor's Project No.: | N/A |
| Engineer: | **LKC Engineering, PLLC** | Engineer's Project No.: | **Stone-15.01** |
| Project: | **Sanitary Sewer System Rehabilitation** | Contract Name: Sanitary Sewer System Rehab. | |

The Contract is modified as follows upon execution of this Change Order:

**Description**: This change order is for items discussed during the Pre-Construction Conference, including the replacement of a 4" water main that was in direct conflict with the installation of Line S-9, additional camera inspection of 6300 LF of sewer line for consideration of replacement, and a forcemain replacement at the railroad crossing for Line FM-1.

**Attachments**: **1)** Summary of Change Order #1 Items, **2)** Layout Drawing for Water Main Conflict, **3)** Layout Map for Additional Camera Inspection Areas, and **4)** Proposed Forcemain Railroad Crossing Design

| CHANGE IN CONTRACT PRICE | CHANGE IN CONTRACT TIMES<br>*[note changes in Milestones if applicable]* |
|---|---|
| Original Contract Price:<br>**$1,734,975.00** | Original Contract Times:<br>Substantial Completion: 270 Days<br>Ready for Final Payment: 300 Days<br>days or dates |
| Increase / Decrease from previously approved Change Orders:<br>**$0.00** | Increase / Decrease from previously approved Change Orders:<br>Substantial Completion: 0 Days<br>Ready for Final Payment: 0 Days<br>days or dates |
| Contract Price prior to this Change Order:<br>**$1,734,975.00** | Contract Times prior to this Change Order:<br>Substantial Completion: 270 Days<br>Ready for Final Payment: 300 Days<br>days or dates |
| Increase of this Change Order:<br>**$83,656.00** | Increase / Decrease of this Change Order:<br>Substantial Completion: **0 Days**<br>Ready for Final Payment: **0 Days**<br>days or dates |
| Contract Price incorporating this Change Order:<br>**$1,818,631.00** | Contract Times with all approved Change Orders:<br>Substantial Completion: **270 Days**<br>Ready for Final Payment: **300 Days**<br>days or dates |

| RECOMMENDED: | ACCEPTED: | ACCEPTED: |
|---|---|---|
| By: | By: | By: |
| Engineer (if required) | Owner (Authorized Signature) | Contractor (Authorized Signature) |
| Title: Project Engineer, LKC | Title Town Manager | Title Owner |
| Date: 5·22·18 | Date 05-23-2018 | Date 5-23-18 |

Approved by [illegible]licable):
By: Digitally signed by BRIAN NOLL Date: 2018.05.25 14:59:21 -04'00' Date: 5/25/2018
Title: Brian Noll, PE RD-State Engineer

## Sanitary Sewer System Rehabilitation - Town of Stoneville USDA - RD Project
## Summary of Change Order #1 Items

| **Water Main Replacement at Conflict with Line S-9 Installation** | | | |
|---|---|---|---|
| 4" PVC SDR 21 Water Main (Night Installation) | 502 LF | $28.00 | $14,056.00 |
| Tapping Sleeve and Valve Connection | 1 EA | $4,500.00 | $4,500.00 |
| 2" Service Reconnection | 1 LS | $1,500.00 | $1,500.00 |
| Terminate Old Line Tap and Connections | 1 LS | $1,000.00 | $1,000.00 |
| | | | **$21,056.00** |

| **East Matthews Street Outfall** | *Qty* | *Unit* | *Unit Price* | *Total Price* |
|---|---|---|---|---|
| Initial Cleaning & CCTV Inspection | 2,400 | LF | $4.00 | $9,600.00 |
| | | | | **$9,600.00** |

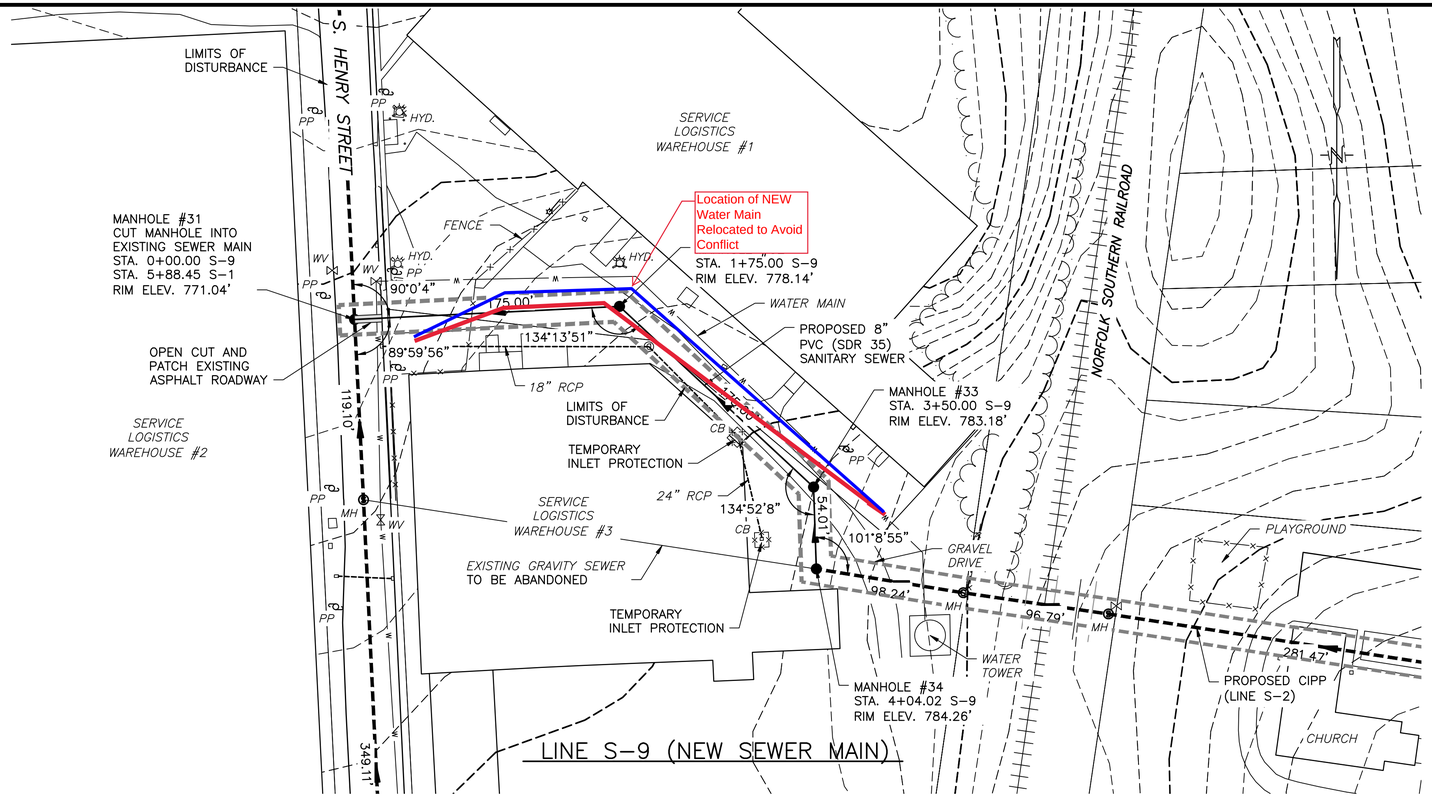
| **Church Street Outfall** | *Qty* | *Unit* | *Unit Price* | *Total Price* |
|---|---|---|---|---|
| Initial Cleaning & CCTV Inspection | 1,900 | LF | $4.00 | $7,600.00 |
| | | | | **$7,600.00** |

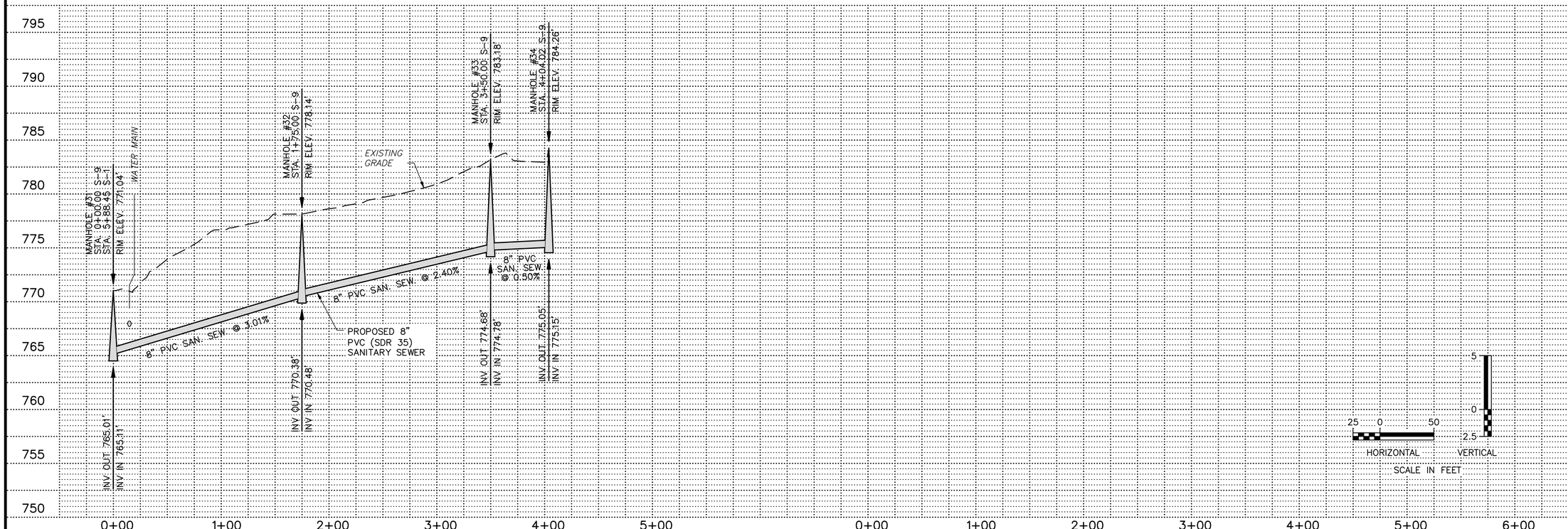
| **Smith Street Outfall** | *Qty* | *Unit* | *Unit Price* | *Total Price* |
|---|---|---|---|---|
| Initial Cleaning & CCTV Inspection | 2,000 | LF | $4.00 | $8,000.00 |
| | | | | **$8,000.00** |

| **Force Main at Railroad Crossing** | *Qty* | *Unit* | *Unit Price* | *Total Price* |
|---|---|---|---|---|
| New 16" Steel Casing (Bore & Jack) | 110 | LF | $250.00 | $27,500.00 |
| 8-Inch DIP Force Main | 110 | LF | $90.00 | $9,900.00 |
| | | | | **$37,400.00** |

***Total Amount Requested for Consideration of Change Order*** **$83,656.00**

| REVISIONS | | | |
|---|---|---|---|
| SYM. | DESCRIPTION | DATE | BY |
| | NCDEQ EROSION CONTROL REVISIONS | 6/16/17 | BGL |




**NOTE:**
THE CONTRACTOR SHALL LIMIT THE DISTURBED AREA TO THE AMOUNT THAT SHALL ALLOW FOR STABILIZATION OF THE DISTURBED AREA TO BE COMPLETED AT THE END OF EACH WORKING DAY PER NCAC REQUIREMENTS FOR LINEAR CONSTRUCTION.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F: 910.637.0096
lkcengineering.com
License No. P-1095

Engineering
Landscape Architecture
Planning

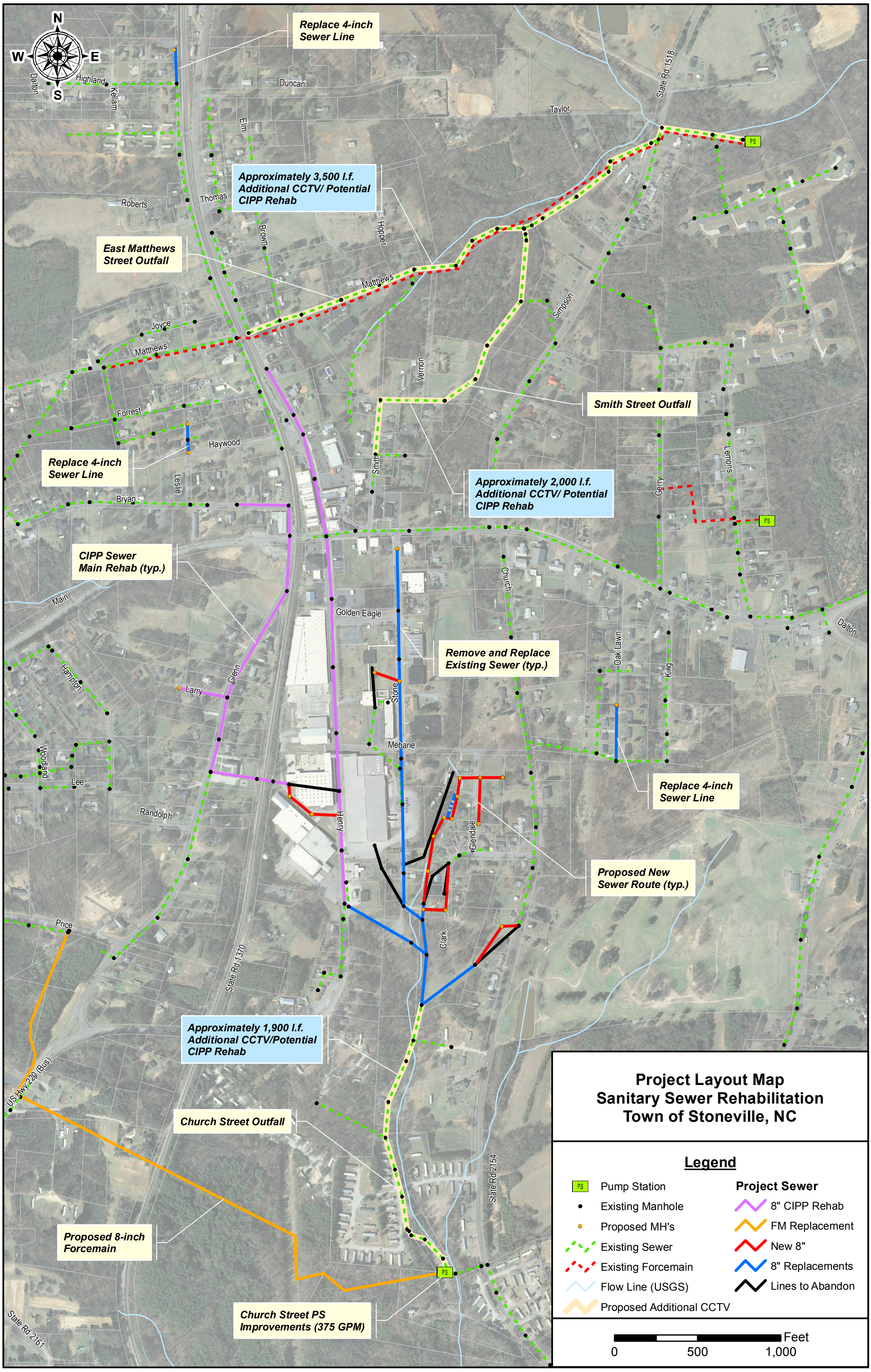

STA 0+00 TO STA 4+04
LINE S-9

SANITARY SEWER SYSTEM REHABILITATION
FOR THE
TOWN OF STONEVILLE
ROCKINGHAM COUNTY, NORTH CAROLINA

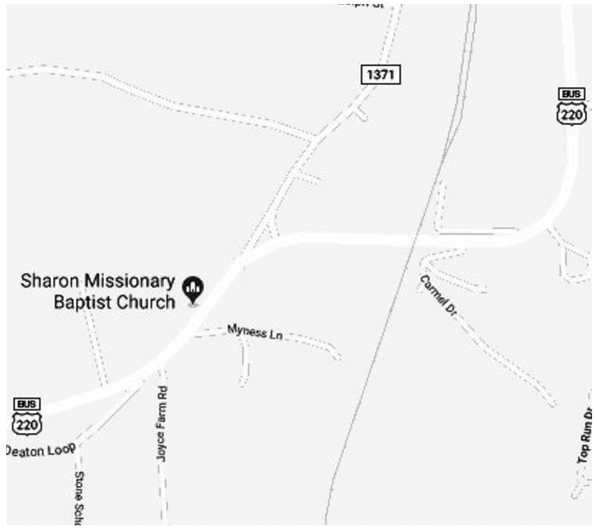
| | |
|---|---|
| DATE: | JUNE, 2017 |
| DESIGNED: | BGL |
| DRAWN: | AGP |
| CHECKED: | BGL |
| NO. | 16 |

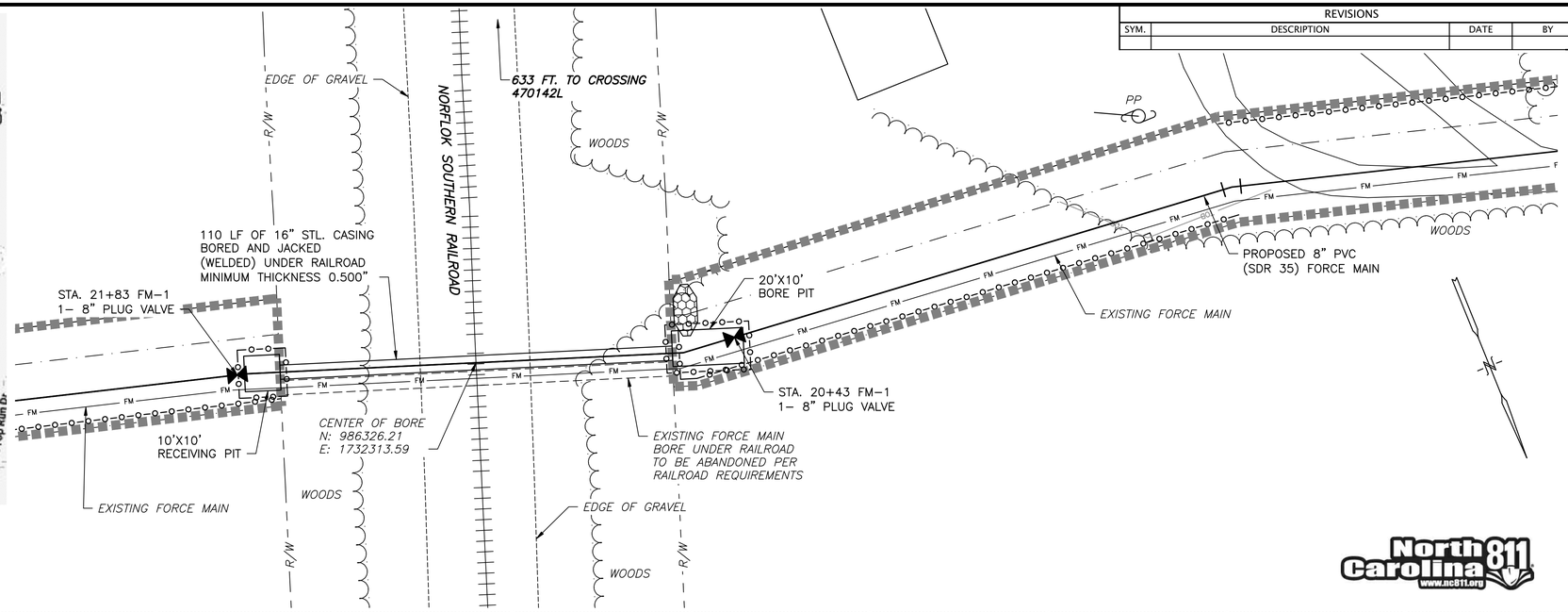
L:\Stone-15.01 - Sanitary Sewer System Rehabilitation\800-Drawings\810-Design Drawings\Henry Street.dwg; Last Saved By: ANDY, 7/13/2017 10:38:29 AM; Layout1; Plotted By: Andy-WS, 03/15/18 10:41:29 AM
XREFs: Design=,\Design.dwg, Stone-15.01-g00tbx01=,\Stone-15.01-g00tbx01.dwg, CSSPRX09=,\CSSPRX09.dwg, Rockingham Contours=L:\Stone-15.01 - Sanitary Sewer System Rehabilitation Note=,\Ground Stabilization Note.dwg;
IMAGE: No Images

Henry Street.dwg

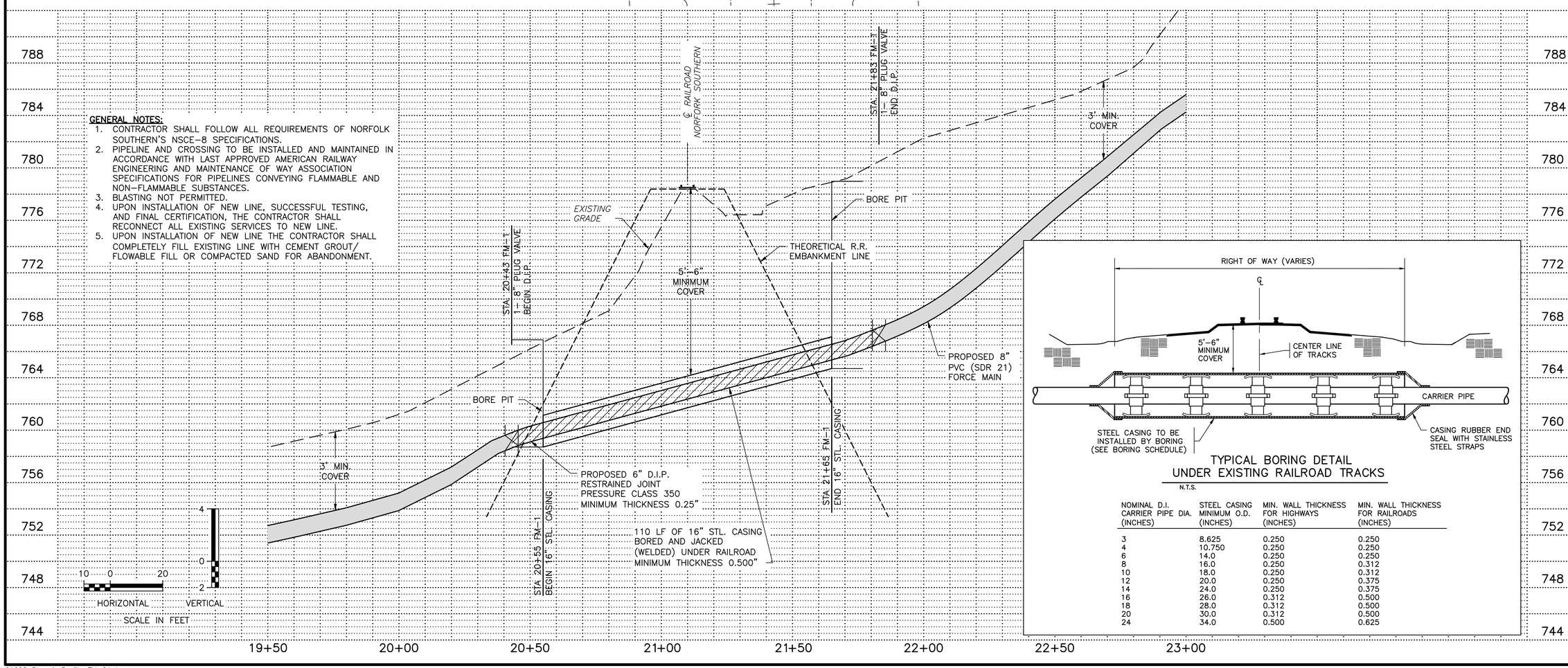

N
W
E
S
Replace 4-inch Sewer Line
Approximately 3,500 l.f. Additional CCTV/ Potential CIPP Rehab
East Matthews Street Outfall
Smith Street Outfall
Replace 4-inch Sewer Line
Approximately 2,000 l.f. Additional CCTV/ Potential CIPP Rehab
CIPP Sewer Main Rehab (typ.)
Remove and Replace Existing Sewer (typ.)
Replace 4-inch Sewer Line
Proposed New Sewer Route (typ.)
Approximately 1,900 l.f. Additional CCTV/Potential CIPP Rehab
Church Street Outfall
Proposed 8-inch Forcemain
Church Street PS Improvements (375 GPM)
Highland
Dalton
Kellam
Duncan
Taylor
State Rd 1518
Elm
Thomas
Roberts
Brown
Hopper
Matthews
Joyce
Simpson
Vernon
Forrest
Haywood
Smith
Leslie
Bryan
Gerry
Lemons
PS
Main
Golden Eagle
Church
Oak Lawn
King
Dalton
Hampton
Glenn
Larry
Stone
Mebane
Woodland
Lee
Randolph
Henry
Glendale
Clark
Price
State Rd 1370
US Hwy 220 (Bus)
State Rd 2154
State Rd 2161
Project Layout Map
Sanitary Sewer Rehabilitation
Town of Stoneville, NC
Legend
Pump Station
Existing Manhole
Proposed MH's
Existing Sewer
Existing Forcemain
Flow Line (USGS)
Proposed Additional CCTV
Project Sewer
8" CIPP Rehab
FM Replacement
New 8"
8" Replacements
Lines to Abandon
Feet
0
500
1,000

| REVISIONS | | | |
|---|---|---|---|
| SYM. | DESCRIPTION | DATE | BY |
| | | | |




North Carolina 811 www.nc811.org




GENERAL NOTES:

1. CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS OF NORFOLK SOUTHERN'S NSCE-8 SPECIFICATIONS.
2. PIPELINE AND CROSSING TO BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH LAST APPROVED AMERICAN RAILWAY ENGINEERING AND MAINTENANCE OF WAY ASSOCIATION SPECIFICATIONS FOR PIPELINES CONVEYING FLAMMABLE AND NON-FLAMMABLE SUBSTANCES.
3. BLASTING NOT PERMITTED.
4. UPON INSTALLATION OF NEW LINE, SUCCESSFUL TESTING, AND FINAL CERTIFICATION, THE CONTRACTOR SHALL RECONNECT ALL EXISTING SERVICES TO NEW LINE.
5. UPON INSTALLATION OF NEW LINE THE CONTRACTOR SHALL COMPLETELY FILL EXISTING LINE WITH CEMENT GROUT/ FLOWABLE FILL OR COMPACTED SAND FOR ABANDONMENT.




TYPICAL BORING DETAIL
UNDER EXISTING RAILROAD TRACKS

N.T.S.

| NOMINAL D.I. CARRIER PIPE DIA. (INCHES) | STEEL CASING MINIMUM O.D. (INCHES) | MIN. WALL THICKNESS FOR HIGHWAYS (INCHES) | MIN. WALL THICKNESS FOR RAILROADS (INCHES) |
|---|---|---|---|
| 3 | 8.625 | 0.250 | 0.250 |
| 4 | 10.750 | 0.250 | 0.250 |
| 6 | 14.0 | 0.250 | 0.250 |
| 8 | 16.0 | 0.250 | 0.312 |
| 10 | 18.0 | 0.250 | 0.312 |
| 12 | 20.0 | 0.250 | 0.375 |
| 14 | 24.0 | 0.250 | 0.375 |
| 16 | 26.0 | 0.312 | 0.500 |
| 18 | 28.0 | 0.312 | 0.500 |
| 20 | 30.0 | 0.312 | 0.500 |
| 24 | 34.0 | 0.500 | 0.625 |

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 17651 BRIAN G. LEFEVRE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LKC

Engineering
Landscape Architecture
Planning

STA 19+50 TO STA 23+00
LINE FM-1

SANITARY SEWER SYSTEM REHABILITATION
FOR THE
TOWN OF STONEVILLE
ROCKINGHAM COUNTY, NORTH CAROLINA

| | |
|---|---|
| DATE: | MAY, 2018 |
| DESIGNED: | BGL |
| DRAWN: | AGP |
| CHECKED: | BGL |
| NO. | 1 |

01002 Plan & Profile FM-01.dwg