



CITY OF HAVELOCK

Post Office Box 368
Havelock, NC 28532

INVITATION TO BID

Pursuant to North Carolina General Statutes §143-131, the City of Havelock invites informal bids on the following:

Bids must be submitted in accordance with the attached specifications. Bids must include an itemized schedule (including quantity, unit price and total) for each work element. Bids can be submitted by mail, email, fax or hand delivered. Cover sheets, envelopes, etc. should be clearly marked with the words:

*“City of Havelock, 2025
Lateral, Sewer Main, and Water Main Repair on McDonald Blvd.
321 McDonald Blvd. Havelock, NC. 28532”*

Address Bids to: Kimberly Walters, Finance Director
City of Havelock
P.O. Box 368
1 Governmental Ave.
Havelock, NC 28532
Fax: 252-447-0126
Email: Bids@havelocknc.us

Bids will be accepted until **11:00 AM (EST) on Wednesday, May 21, 2025**, at which time they will be reviewed in the office of the City Finance Officer. Quotes are not subject to public inspection until the contract is awarded. The bids are good for 75 days after opening. The winning bidder will be issued a Notice To Proceed (NTP) along with a Purchase Order. The performance period is 20 calendar days from the NTP.

Bidders are cautioned not to submit bids until the proposed requirements and specifications have been carefully examined. It will be considered that bidders will have satisfied themselves as to the accuracy of the specifications. No proposal will be considered unless prices are submitted for all items requested in any section. The City reserves the right to change the amount of quantities.

All bids submitted should be to the desired specifications. Any exceptions to the specifications will be evaluated based on the best interest of the City. Any deviation from specifications indicated herein must be clearly pointed out; otherwise, it will be considered that items offered are in strict compliance with these specifications, and bidder will be held responsible therefore. Deviations shall be explained in detail. The bidder shall not construe this paragraph as inviting deviation or implying that any deviation will be acceptable.

The names of certain brands or makes denote quality standard in the article desired, but do not restrict bidders to the specific brand, make or manufacturer named. They are meant to convey to prospective bidders the general style, type, character and quality of the article desired.

The successful bidder on all construction contracts will be required to conduct the operation in accordance with all Federal, State, and Municipal health and safety rules, regulations and laws applicable to the operation. The successful bidder may be asked to provide the City with a copy of the company's safety plan prior to commencing work. For all projects over \$30,000, a general contractor's license must be furnished to the City if applicable.

Certificate to Transact Business in North Carolina: As a condition of contract award, each out-of-State Vendor that is a corporation, limited-liability company or limited-liability partnership shall have received, and shall maintain throughout the term of The Contract, a Certificate of Authority to Transact Business in North Carolina from the North Carolina Secretary of State, as required by North Carolina law. A contract requiring only an isolated transaction completed within a period of six months, and not in the course of a number of repeated transactions of like nature, shall not be considered as transacting business in North Carolina and shall not require a Certificate of Authority to Transact Business.

The City will not sell bid packages. Plans, specifications, and addenda may be viewed and obtained online at www.havelocknc.us. Click on: “Bid on a Contract”; “Current Bids”. The Bidder’s List is maintained by Vendor Registry. Registration for the Bidder’s List is made online at www.havelocknc.us. Click on: “Bid on a Contract”; “Vendor login/Registration”.

N.C.G.S. (North Carolina General Statutes), specifically §160A-20.1(b), prohibit the City from entering into contracts with contractors and subcontractors who have not complied with the requirement of Article 2 or Chapter 64. The Contractor shall submit the E-Verify Affidavit, located in the Bid Proposal section, with their bid. Bids that do not include this Affidavit will be considered non-responsive.

N.C.G.S 147-86.42-84 requires that contractors with a North Carolina Local Government must not utilize any subcontractor found on the State Treasurer’s Iran Divestment list or Companies Boycotting Israel list. The referenced lists can be found on the State Treasurer’s website at the address www.nctreasurers.com and will be updated every 180 days.

The City of Havelock reserves the right to reject any or all proposals and to purchase items from the state contract in the efforts to award the contract to the bidder it deems to be for the best interest of the City.

MODIFICATION AND WITHDRAWAL OF BIDS. Bids may be modified or withdrawn by an appropriate document duly executed (in the manner that a Bid must be executed) and delivered to the place where Bids are to be submitted at any time prior to the opening of Bids. A request to withdraw a bid may be made to the Owner within 72 hours after Bids are opened in accordance with NCGS § 143-129.1 Requests to withdraw a Bid will be subject to the requirements of NCGS §143-129.1 and in the sole discretion of the City of Havelock Finance Officer.

This institution is an equal opportunity provider, and employer.

Contact person(s) for information on this bid:

For questions in regards to the bid specifications, the City requires and only responds to questions submitted in writing and sent via email to: Bids@havelocknc.us

Questions must be received by **2:00 PM (EST) on Wednesday, May 14, 2025**. If questions are received, the City will respond no later than **12:00 PM (EST) on Monday, May 19, 2025**.

This is the 7th day of May 2025

Published: Vendor Registry May 7, 2025

CITY OF HAVELOCK

Kimberly Walters
Finance Director



**STATE OF NORTH CAROLINA
AFFIDAVIT
CITY OF HAVELOCK**

I, _____ (the individual attesting below), being duly authorized by and on behalf of _____ (the entity hereinafter "Employer") after first being duly sworn hereby swears or affirms as follows:

1. Employer understands that E-Verify is the federal E-Verify program operated by the United States Department of Homeland Security and other federal agencies, or any successor or equivalent program used to verify the work authorization of newly hired employees pursuant to federal law in accordance with NCGS §64-25(5).
2. Employer understands that Employers Must Use E-Verify. Each employer, after hiring an employee to work in the United States, shall verify the work authorization of employee through E-Verify in accordance with NCGS §64-26(a).
3. Employer is a person, business entity, or other organization that transacts business in the State and that employs 25 or more employees in this State. (mark Yes or No)
 - a. YES _____, or
 - b. NO _____
4. Employer's subcontractors comply with E-Verify, and if Employer is the winning bidder on this project, Employer will ensure compliance with E-Verify by any subcontractors subsequently hired by Employer.

This _____ day of _____, 20_____.

Signature of Affiant: _____

Print or Type Name: _____

State of North Carolina County of _____

Signed and sworn to (or affirmed) before me, this the

_____ day of _____, 20_____.

Signature of Notary

Printed Name of Notary

Bid Sheet

Line Item 1: _____

Line Item 2: _____

NC Sales Tax: _____

Delivery Cost (if applicable): _____

Total Cost to City: _____

Bids must include an itemized schedule by quantity, unit price and total for each work element.

Company Name: _____

Company Address: _____

Contact Person: _____

Telephone Number: _____

Email Address: _____

NC Contractor's License Type and Number: _____

Number of Addendums Acknowledged (circle one): N/A 1 2 3 4

As of the date listed below, the vendor or bidder listed above is compliant with N.C.G.S. 147-86.42-84, the Iran Divestment Act and the Companies Boycotting Israel Act.

Authorized Signature: _____

Print Name of Authorized Signature: _____

Title: _____

Address Bid to: Kimberly Walters, Finance Director

City of Havelock

P.O. Drawer 368

1 Governmental Avenue

Havelock, NC 28532

Bids@Havelocknc.us

Please indicate the Bid name on the outside of the envelope.

2025

Lateral, Sewer Main, and Water Main Repair on McDonald Blvd.
321 McDonald Blvd. Havelock, NC. 28532

Objective:

Repair of a sewer lateral, sewer main, and water main at 321 McDonald Blvd.

Scope:

The affected sewer main is an 8" PVC SDR 35 Gravity Sanitary Sewer Service at a depth of approximately 13'. The lateral is a 4" schedule 40 pipe the deepest depth being approximately 13'. The water main is an 8" C-900 pipe at a depth of 3' which has vertically deflected to a depth of 7' below grade. The contractor shall abide by all OSHA standards, including Trench Box Safety. There are two-line items within this Scope of Work. Each of the two-line items shall be bid separately within line items on the contractor's quote. The City of Havelock shall retain the right to accept none, a portion of, or all of the bid line items within the contractor's quote.

The two-line items are at 321 McDonald Blvd. and are located within a current 23' long 7' wide utility cut. This location is assumed to be the sewer main which is 8" PVC SDR 35 at approximately 13' deep. The sewer main shall be replaced from the affected breakage 10' in each direction for a total of approximately 20' of 8" PVC SDR 35 pipe. Within the 8" PVC SDR 35 Gravity Sanitary Sewer Pipe there will also be three 4" Schedule 40 PVC lateral service connections. The lateral service connections are to be rebuilt a minimum of 4' back into the lateral service and into the newly installed 8" PVC SDR 35 Sanitary Sewer Pipe. There is an 8" C-900 water main within the same location which is at a depth of 3' and has vertically deflected to an elevation of 7' below grade. This water main shall be replaced approximately 60' in both directions from the center of the deepest deflection for a total of approximately 120' of 8" C-900 water main replacement; the current utility cut will have to be enlarged to accommodate the 8" C-900 water line replacement. The contractor shall be responsible for actuation of water valves and ensuring isolation of water lines before water line replacement shall begin. All traffic control shall be the responsibility of the contractor, all driveways shall be made accessible to residents during the course of this project. All traffic control shall be in accordance with the specifications within section 8. The contractor shall notify a City of Havelock representative of the water outage 48 hours in advance of the outage to allow notifications to be sent to all residents. In no case shall the water outage exceed a total of twelve hours from the time water service is shut off. All asphalt and concrete driveway restoration, including the existing utility cut, shall be the responsibility of the contractor. All restoration shall follow the specifications for asphalt and concrete driveway restoration. See section 9 for asphalt restoration and section 10 for concrete driveway restoration and figures 5 & 6

1. Line Item #1

Gravity Sanitary Sewer Main and Lateral Repair at 321 McDonald Blvd.

- a. Contractor shall notify NC 811 for utility locations prior to any excavations. Any utilities damaged during the course of this project will be repaired at the contractor's expense.

- b. Contractor shall adhere to all section specifications within this Scope of Work including but not limited to Dewatering, see section 2, Bypass Pumping see section 7, Traffic Control see section 8, and Site Restoration see section 11.
- c. Plans for Dewatering, Bypass Pumping, and Traffic Control must be submitted to the City of Havelock for approval before the project is to begin.
- d. All traffic control shall be in place prior to beginning this project. Driveways shall remain accessible for all residents during the course of this project.
- e. Excavate 12" deeper than the current 8" PVC SDR 35 Gravity Sanitary Sewer Line. The current depth of the 8" PVC SDR 35 Gravity Sanitary Sewer Line is approximately 13'.
- f. The bedding for the repaired lateral shall be 12" of #57 stone. See figure 5.
- g. Replace 20' of the existing 8" PVC SDR 35 Gravity Sanitary Sewer Line. Locate the damage on the existing 8" PVC SDR 35 Pipe and measure 10' in each direction for a total of 20' of replacement 8" PVC SDR 35 Gravity Sanitary Sewer Line.
- h. Replace the three 4" Schedule 40 PVC lateral services a minimum of 4' back into the lateral service.
- i. Place #57 or ABC stone to 12" above the top of the repaired 8" PVC SDR 35 Gravity Sanitary Sewer Line and compact to 98% standard proctor in 8" lifts.
- j. Fill the excavation with ABC Stone or select fill material, compacting to 98% standard proctor in 8" lifts.
- k. All asphalt and concrete driveway restoration shall be completed within City of Havelock Specifications. See section 9 for asphalt restoration, section 10 for concrete driveway restoration and figure 5 & 6 for Pavement Restoration.
- l. Minimum width of all utility cuts shall be from the shoulder of the road to the center line of the road. If the utility cut extends beyond the center line of the road the entire width of the road shall be repaved as the utility cut. See figure 6.

2. Line Item #2

Water Main line deflection and C-900 Pipe Replacement.

- a. Contractor shall notify NC 811 for utility locations prior to any excavations. Any utilities damaged during the course of this project will be repaired at the contractor's expense.
- b. Contractor shall adhere to all section specifications within this Scope of Work including but not limited to Dewatering, see section 2, Bypass Pumping, see section 7, Traffic Control, see section 8, and Site Restoration see section 11.
- c. Plans for Dewatering, Bypass Pumping, and Traffic Control must be submitted to the City of Havelock for approval before the project is to begin.
- d. All traffic control shall be in place prior to beginning this project. Driveways shall remain accessible for all residents during the course of this project.
- e. Excavate 12" deeper than the current 8" C-900 water line. The current depth of the 8" C-900 water line is approximately 3'. The C-900 water line has vertically deflected to 7' below grade. The center of the vertical deflection is approximately 310' from the intersection of Marsha's Way and McDonald Blvd.

- f. Contractor shall be responsible for actuating all water valves to isolate pressure from the line before any replacement is to take place.
- g. Contractor is to notify a representative of the City of Havelock 48 hours before initiating any water outage. The City of Havelock will be responsible for notifying residents of the water outage.
- h. The bedding for the replaced 8" C-900 water line shall be 12" of #57 stone. See figure 5.
- i. Replace 120' of the existing 8" C-900 water line. Locate the lowest vertically deflected area within the existing 8" C-900 water line and measure 60' in each direction for a total of 120' of replacement 8" C-900 water line.
- j. The contractor shall utilize Mega-Lug Couplings to reattach to existing water line. The Mega-Lug Couplings shall be utilized as restraint, thrust blocking shall be utilized as needed.
- k. There should be a total of 6 services to be affected by the water main line replacement, water taps, saddles, and corporation stops which have been abandoned within the portion of water line to be replaced shall be replaced with new taps, saddles, and corporation stops and residential water service shall be restored.
- l. Place #57 or ABC stone to 12" above the top of the replaced 8" C-900 water line and compact to 98% standard proctor in 8" lifts.
- m. Fill the excavation with ABC Stone or select fill material, compacting to 98% standard proctor in 8" lifts.
- n. All asphalt and concrete driveway restoration shall be completed within City of Havelock Specifications. See section 9 for asphalt restoration, section 10 for concrete driveway restoration and figure 5 & 6 for Pavement Restoration.
- o. Minimum width of all utility cuts shall be from the shoulder of the road to the center line of the road. If the utility cut extends beyond the center line of the road the entire width of the road shall be repaved as the utility cut. See figure 6.

A site visit is highly recommended but not mandatory. All measurements are approximate contractor to verify. Contractor is to supply all labor, materials, equipment to complete this project, unless otherwise specified in writing. The contractor shall be responsible for all locates and verification, any utility damage caused by the contractor shall be remediated by the contractor before the end of the project at no additional cost to the City of Havelock. The City of Havelock shall not be held responsible for omissions or errors in description.

1. Gravity Sewer Materials:

- a. PVC SDR35 Gravity Sewer Pipe: Pipe shall conform to all requirements of AWWA and shall be capable of withstanding the overburden pressures determined by the depth of burial in the field.
- b. Non-pressure-type Pipe Couplings: Couplings for joining new PVC pipe to existing pipe shall be solid sleeve type suitable for all types of pipe. When applicable, material shall be ductile iron with gaskets suitable for sewer service. Coupling shall be Mega-Lug coupling or equal, per AWWA C605.
- c. Solid Wall Plastic Pipe Cutting: Cutting of pipe lengths shall be performed using tools and or equipment that will provide a neat, perpendicular cut without damage

to the plastic. All burrs shall be removed using a file, knife or abrasive paper. Ends on the cut pipe shall be beveled to prevent gasket damage.

2. Dewatering:

- a. The contractor shall dewater as required for completion of work. Excavation shall be kept free of water at all times during pipe removal, pipe replacement, and backfill operation.
- b. All dewatering shall flow through a sediment filter bag. Sediment filter bags shall be of Polypropylene non-woven geotextile fabric with a sewn-in sleeve of sufficient size to accept a 4-inch diameter discharge hose. The discharge hose shall be extended into the sleeve a minimum of six (6) inches and be tightly secured with a hose clamp or other suitable device to prevent leakage. Contractor shall size sediment filter bags as necessary to dewater excavations. Effluent to be directed to adjacent stormwater conveyance areas and Contractor shall remove any accumulation of sediment from such areas following dewatering operations.
- c. Upon removal of any dewatering header pipe system the contractor shall be responsible for filling the header pipe hole with filter sand to 50% of the depth of the hole while compacting to 95% standard proctor in 8" lifts. Grout shall be utilized to fill to 90% of the depth of the hole and the remaining 10% shall be topsoil, or select fill.
- d. The usage of water from a hydrant will only be accomplished by use of a Hydrant Meter which will be issued from Customer Service at City Hall within the City of Havelock. The Hydrant Meter must be returned to Customer Service at City Hall within the City of Havelock at the completion of the project.
- e. Upon submission of the Hydrant Meter Application there will be a \$ 500.00 dollar deposit due. The Hydrant Meter will be delivered to the project site upon the contractor calling 1-252-670-0663 and scheduling the delivery. Hydrant Meters are subject to availability.
- f. Upon return of the Hydrant Meter, usage will be read and the metered charge will be applied. If the metered charge is less than the deposit the contractor will receive a refund which will be minus the metered charge, if the metered charge is over the deposit amount a usage bill will be issued to the contractor for the balance over the deposit amount.

3. Excavation and Shoring:

- a. Contractor is responsible for the design and protection of all excavation and shoring. Standard shoring practices including trench boxes, which can be used if certified/stamped by manufacturer. If required, shoring shall be designed and sealed by a professional engineer registered in the State of North Carolina, as required by OSHA, CFR1926.
- b. Contractor shall notify NC 811 for utility locations prior to any excavations.
- c. In no case shall excavations exceed that which cannot be backfilled by the end of the work day.

4. Backfill and Compaction:

- a. All excavations shall be backfilled with select fill, ABC stone, or 57 stone material; excavated spoils shall become the property of the contractor and in no way be used for compacted material. Contractor shall be responsible for removal and disposal of all excavation material and construction debris.
- b. Compaction in embankment shall be to 95% standard proctor.
- c. Compaction in roadways, driveways, and sidewalks shall be to 98% standard proctor.

5. Sanitary Sewer, Lateral, and Water Pipe Bedding:

- a. Pipe bedding shall consist of twelve-inch (12”) depth of # 57 stone under pipe and #57 or ABC stone to twelve-inch (12”) above the top of the pipe.

6. Erosion and Sediment Control and Restoration:

- a. The contractor shall be responsible for the installation and maintenance of all erosion and sediment control in accordance with the NC DEQ Erosion and Sediment Control Manual.
- b. Construction activities shall be completed in such a manner that erosion of disturbed areas and off-site sedimentation is absolutely minimized.
- c. All disturbed areas shall be restored as soon as construction is complete. Seed or sod type shall match existing grass in maintained areas. Follow the NC DEQ Erosion and Sediment Control Manual for type or as directed by City of Havelock representative.

7. Bypass Pumping:

- a. Sewage bypass pumping shall be required for completion of repairs. If required, contractor shall design and furnish all material, labor, equipment, power, fuel, fuel storage, maintenance, etc. to implement a temporary bypass arrangement for the purpose of diverting flow around the work area on a daily basis for the duration of the repair. The bypass system shall meet the requirements of all codes and regulatory agencies having jurisdiction. Contractor shall be held liable for any and all fines imposed by local, State, and/or Federal agencies for failure to maintain flows or contain spills and/or overflows.
- b. Contractor shall submit a bypass plan for any and all bypassing to a representative of the City of Havelock.

8. Traffic Control

- a. Contractor shall submit a Traffic Control Plan for any operations affecting traffic including but not limited to lane closures. City must approve the traffic plan prior to implementation, particularly 24-hour notice prior to any lane closure.
- b. All Traffic Control tooling, signage, flagmen, cones or drums, and all other consumables for Traffic Control shall be supplied by and the responsibility of the contractor.
- c. Access to residences for local traffic shall be maintained throughout contract. Contractor shall provide a minimum of 48-hour notice to City of

Havelock for any road closure.

9. Asphalt Pavement Restoration

- a. Replacement of asphalt roadway and/or concrete driveways/sidewalks are the responsibility of the contractor and shall be returned to original condition or better before the end of the project.
- b. The contractor shall be responsible for square cutting the utility cut back to undisturbed asphalt before the Pavement Restoration portion of this project can begin.
- c. There shall be a 12" Key-In around the Utility Cut which is excavated to a minimum depth of 3".
- d. The contractor shall utilize a 12" bedding of 57 stone for both the newly installed 12" sanitary sewer line and 4" lateral services and fill the excavation with 57 or ABC stone to 12" above the top of the installed pipe. ABC stone shall be brought to a minimum of 3" from existing asphalt for an asphalt bedding. See figure 5.
- e. The asphalt shall be restored to the same depth as what was removed but in no case shall be less than 3". The repair shall consist of 1.5" of asphalt base course meeting the requirements of B25.2 per NCDOT Standards for Roads and Structures. Asphalt Surface Course shall consist of S9.5B per NCDOT Standards for Roads and Structures at a minimum of 1.5" thick. See figure 5.
- f. ABC stone shall be utilized from the top of the 57 stone at 12" above of the newly installed sanitary sewer and water lines. The ABC stone shall be compacted to 98% standard proctor in a maximum of eight-inch lifts.
- g. The entire thickness / vertical edge of the existing asphalt shall be tacked in accordance with section 605 asphalt tack coat of the NCDOT Standard Specifications for Roads and Structures.
- h. Asphalt base course shall be a minimum of 1.5 inches thick and meet the requirements of B25.OB per NCDOT Standards for Roads and Structures. The asphalt base will remain 1.5 inches below the elevation of the existing asphalt, including restoration within the 12" Key-In.
- i. The asphalt surface course shall be S9.5B at 1.5 inches thick per NCDOT Standards for Roads and Structures. Prior to placement of the asphalt surface course, the base course shall be inspected for damage or defects and repaired to the satisfaction to the representative of the City of Havelock.
- j. The asphalt shoulder shall be straight, level and even. Top soil shall be utilized for shoulder treatment and shall begin at the same elevation as the newly installed asphalt pavement transitioning into the shoulder on a 3 to 1 slope. The shoulder treatment shall be seeded and straw placed on top.

- k. The asphalt pavement shall be installed and compacted thoroughly in no more than 1.5" lifts and rolled with a smooth drum roller to achieve a smooth, level asphalt pavement.
- l. Access to residents' driveways shall remain accessible during the course of this project.

10. Concrete Restoration

- a. Any concrete rubble from removal of the sidewalks, driveway aprons, and curbing will be the responsibility of the contractor to remove and dispose of in accordance with all local, state, and federal regulations.
- b. Concrete is to be 3500-pound fiber reinforced concrete mix.
- c. The foundation for the concrete shall be compacted to 95% standard proctor in no more than 8" lifts before the concrete is poured.
- d. The concrete driveway aprons and sidewalks shall be no less than four inches thick.
- e. The concrete driveway aprons and sidewalks will require no wire mesh or rebar.
- f. The seams where the new concrete meets the old concrete will be tooled to a ½" radius.
- g. The seams where the new concrete meets the existing concrete shall have a ½" expansion joint between the existing and newly poured concrete.
- h. Until completely cured the contractor will supply signage "No walking, Wet concrete".

11. Site Restoration

- a. Disturbance of existing landscape features shall be held to a minimum and all disturbed areas returned to a condition equal or better when repair is complete. Care shall be taken so as not to damage existing features to remain such as roadways, curbs, driveways, sidewalks, etc. All features removed or damaged shall be replaced or repaired to existing condition or better. All demolished material shall become the property of the contractor and shall be removed from the work site and disposed of in accordance with all local State, and Federal requirements. As-built documentation shall include a description of materials used and repair procedures completed at each site.

12. Performance Period

- a. It will be the contractor's responsibility to set a start date with a representative from the City of Havelock to begin a project within thirty (30) days from the issuance of a Notice of Award - Proceed.
- b. The performance period is 90 days from the listed date on the Notice to Proceed.
- c. The contractor shall work diligently to complete the project from the arranged start date. Work hours shall be 8am to 5pm, Monday through Friday. No work shall be performed on City holidays. Work outside established work hours must be scheduled with the City, 48 hours in

advance and is subject to approval.

- d. The contractor will be responsible for contacting a representative of the City of Havelock in the event that a project will be extended outside of the arranged performance period. Contact must be in the form of an email and acceptance of the extension of the performance period from a representative of the City of Havelock must also be in the form of an email.

9. Access:

- a. Access to project site is within existing City of Havelock right of way.

10. Termination Clause:

- a. Any agreement and issuance of purchase orders shall be terminated upon the expiration of (90) ninety days without work commencing. At the end of ninety days the City of Havelock will give written notice to the other party of its intention to terminate.
- b. Any intent to begin a project ninety (90) days or more after a purchase order has been issued must be submitted in writing and approved by a representative of the City of Havelock.

11. Warranty:

- a. Contractor will be held responsible for the materials and workmanship utilized within this project for a term of one year from the time that the equipment is put back into service.
- b. The City of Havelock will be responsible for the warranty of any materials that are supplied to the contractor by the City of Havelock during the course of this project.

General Provisions:

- a. Contractor shall comply with all requirements of OSHA 1926.
- b. Work hours shall be 8am to 5pm, Monday through Friday. No work shall be performed on City holidays. Work outside established work hours must be scheduled with the City, 48 hours in advance and is subject to approval.
- c. Contractor will obtain all necessary permits. Permits required by City of Havelock are provided free of charge.
- d. Roadway repair is the responsibility of the contractor.
- e. Contractor shall control erosion and sediment release while this project is under construction.
- f. The contractor is to clean and remove all debris at the end of each work day.
- g. All underground utilities are to be 811 located, prior to work being started.
- h. Contractor is responsible for all damage to existing roads, driveways, drainage, or utilities that occur as a result of the construction project.
- i. Contractor is responsible for all damage to City property that occurs as a result of the construction of the project.
- j. Contractor shall provide safety measures during the entire length of the project.

- k. Contractor is responsible for the storage and safety of materials and equipment on jobsite.
- l. Submittals must be approved by the City of Havelock prior to any work starting.
- m. The performance period is 20 days from the Notice to Proceed.

Liquidated Damages:

- a. The Contractor agrees to pay the owner \$300 per day in liquidated damages for each day beyond the period of performance.

Figure 1: Work area map.



Figure 2: 321 Utility Cut and Sinkhole.



Figure 3: Sewer Line Mapping and line size legend

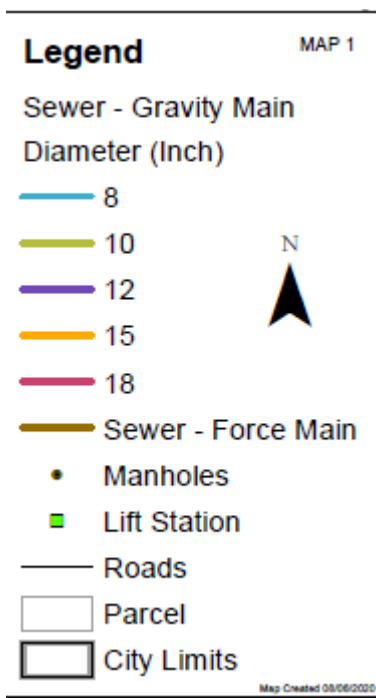
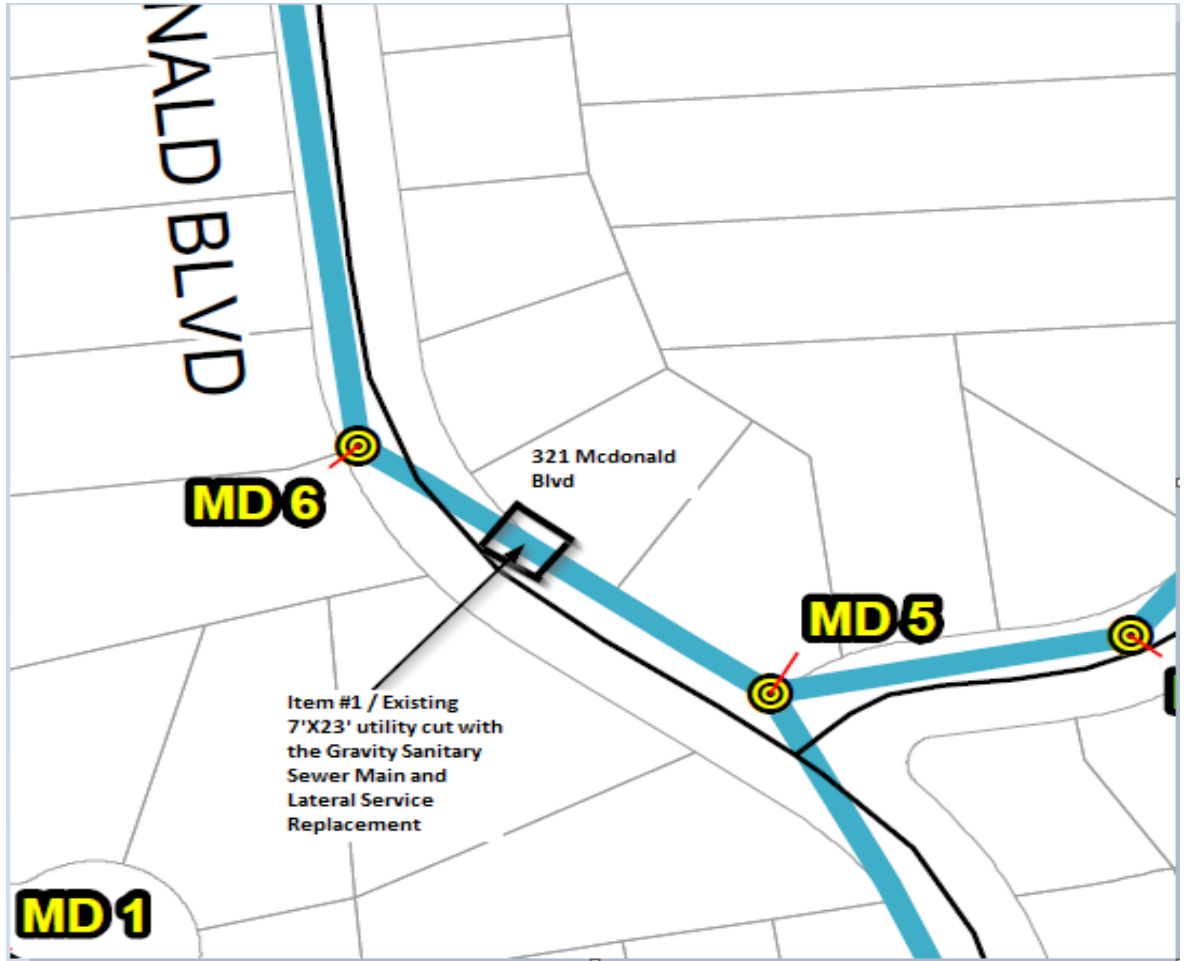
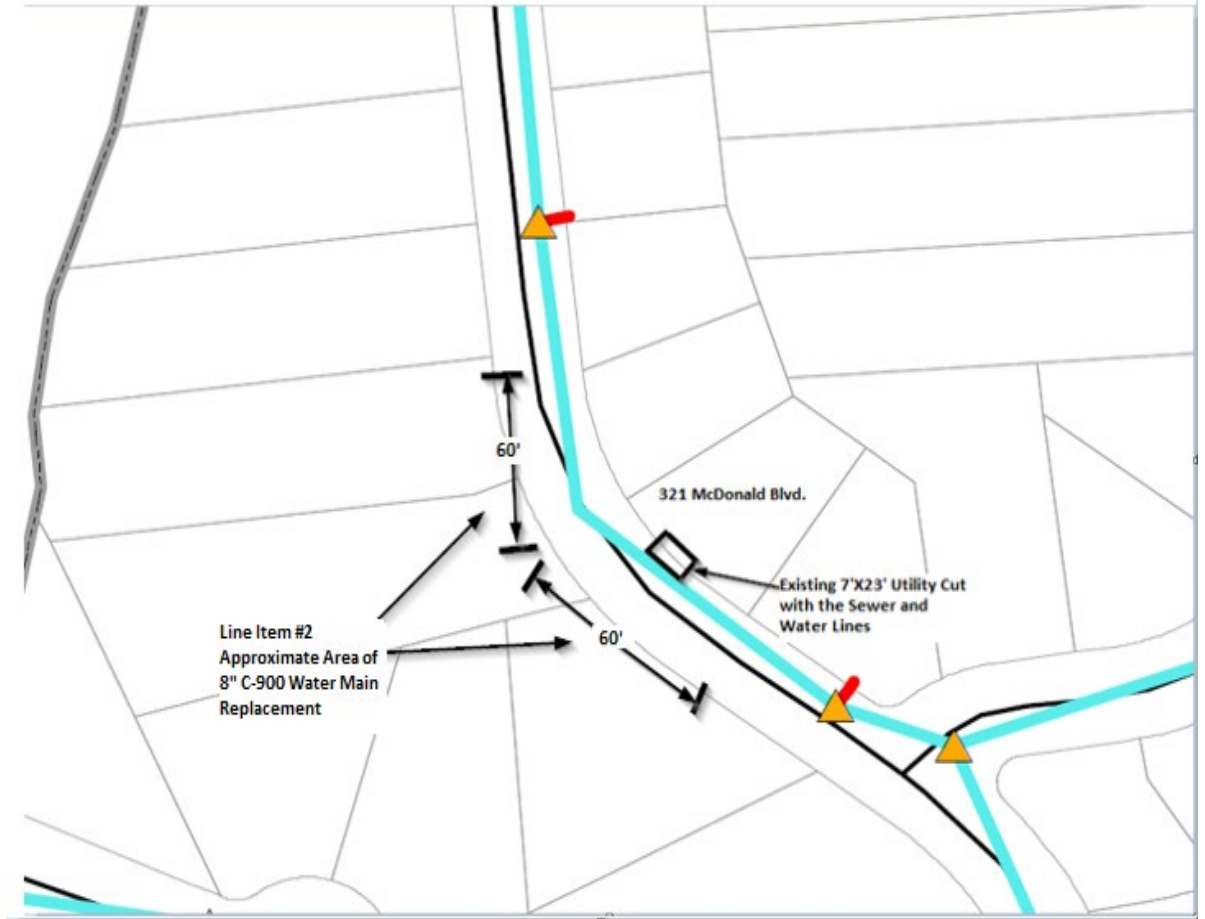


Figure 4: Water Line Mapping and line size Legend



LEGEND MAP 1

Water Main

Diameter

— Unknown

— 2

— 4

— 5

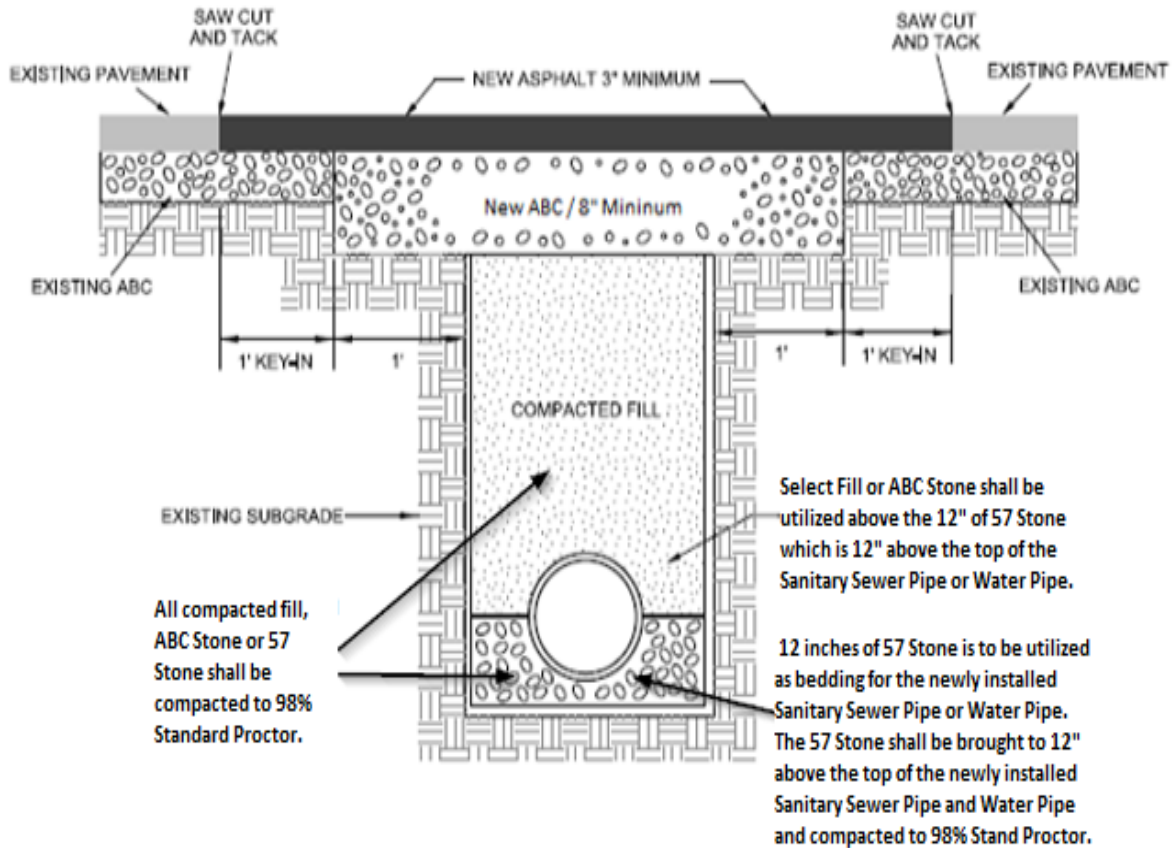
— 6

— 8

— 10

— 12

Figure 5: Utility Cut Standards



NOTES:

1. THE PAVEMENT EDGE SHALL BE DEFINED BY A STRAIGHT EDGE FORMED BY A MACHINED SAW CUT.
2. THE TRENCH SUBGRADE MATERIAL SHALL BE BACKFILLED WITH SUITABLE MATERIAL AND COMPACTED TO A DENSITY OF AT LEAST 95% OF THAT OBTAINED BY COMPACTING A SAMPLE OF THE MATERIAL IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY NCDOT.
3. THE FINAL 8" OF FILL SHALL CONSIST OF ABC MATERIAL COMPACTED TO A DENSITY EQUAL TO 100% OF THAT OBTAINED BY COMPACTING A SAMPLE OF THE MATERIAL IN ACCORDANCE WITH AASHTO T-60 AS MODIFIED BY NCDOT. BITUMINOUS BASE OR BINDER MAY BE SUBSTITUTED IF APPROVED BY TRANSPORTATION DIRECTOR OR DESIGNEE.
4. THE ENTIRE THICKNESS/VERTICAL EDGE OF THE CUT SHALL BE TACKED.
5. THE SAME DEPTH OF PAVEMENT MATERIAL WHICH EXISTS SHALL BE REINSTALLED, BUT IN NO CASE SHALL THE ASPHALT BE LESS THAN 3" THICK.
6. THE ASPHALT PAVEMENT MATERIAL SHALL BE INSTALLED AND COMPACTED THOROUGHLY AND ROLLED WITH A SMOOTH DRUM ROLLER TO ACHIEVE A SMOOTH, LEVEL PATCH.

Figure 6: Sizing of Utility Cuts.

