



CITY OF HAVELOCK

Post Office Box 368
Havelock, NC 28532

INVITATION TO BID

Pursuant to North Carolina General Statutes §143-129 the City of Havelock invites formal bids on the following:

Bids must be submitted in accordance with the attached specifications and must include an itemized schedule of quantity, unit price and total. Bids must be sealed and clearly marked on the outside of the envelope:

“City of Havelock, 2025 Gravity Sanitary Sewer Line Replacement”

Address Bids to: **Kimberly Walters, Director of Finance**
 City of Havelock
 P.O. Box 368
 1 Governmental Ave.
 Havelock, NC 28532
 Email: Bids@havelocknc.us (formal bids cannot be emailed)

Bids will be accepted until **11:00 a.m. (EST) on Tuesday, August 19, 2025**, at which time they will be reviewed in the office of the City Finance Director.

Bids on contracts for construction or repair work in the formal bidding range must be accompanied by a bid bond or deposit in the amount of not less than 5 percent of the bid. Bid bonds shall be enclosed in a separate envelope and attached to the outside of the sealed bid package. This security is held by the City of Havelock to guarantee that the successful bidder will execute the contract and provide performance and payment bonds if required. If a bidder backs out of his or her bid or refuses to enter into a contract, the City of Havelock may retain the bid deposit or seek payment under the bid bond. Bids will be considered incomplete if not accompanied by a bid bond or deposit. 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 90 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, July 30, 2025, and will be answered by 12:00 PM (EST) on Thursday, August 7, 2025.**

Today is the 15th day of July 2025.

Published: Vendor Registry July 15, 2025

CITY OF HAVELOCK

Kimberly Walters
Director of Finance



**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 _____
 - 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

My Commission Expires: _____

Bid Sheet

Base Bid: _____

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, Director of Finance
 City of Havelock
 P.O. Drawer 368
 1 Governmental Avenue
 Havelock, NC 28532
 Bids@Havelocknc.us (formal bids cannot be emailed)

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

2025 Gravity Sanitary Sewer Line Replacement 310 - 318 Macdonald Blvd. Havelock, NC. 28532

Objective:

Replacement of the Gravity Sanitary Sewer Line Replacement between Manholes MD-6 & MD-7.

Scope:

The sewer main to be replaced is an 8" PVC SDR 35 Gravity Sanitary Sewer Service at a depth of approximately 13'. The replacement of the Gravity Sanitary Sewer Service shall include the replacement of approximately 420' of 8" PVC SDR 35 Gravity Sanitary Sewer Main Pipe, contractor to verify. There are nine service laterals entering the 8" Gravity Sanitary Sewer Service, the deepest depth being approximately 13', see figure 2. Each service lateral shall be rebuilt a minimum of 6' back into the service. The contractor shall abide by all OSHA standards, including Shoring Safety. The Safety Shoring shall be designed for worker safety and to eliminate any undermining and excavation growth. Within the contractor's quote there shall be a cost itemization sheet breaking out cost for each portion of the project, such as but not limited to mobilization, traffic control, bypass pumping, sewer main line repair, dewatering, safety shoring, fill material, and pavement restoration, see figure 7 for the itemization sheet.

The nine laterals within the 420' of Gravity Sanitary Sewer Main to be replaced are the services from 310 - 318 McDonald Blvd. The service laterals shall be rebuilt 6' from the Gravity Sanitary Sewer Main Line. See figure 2 for lateral locations. All traffic control, bypass pumping, dewatering, pavement restoration, concrete restoration shall be the responsibility of the contractor and shall follow all specifications within this Scope of Work. During the course of this project all driveways shall remain accessible to residents.

The asphalt utility cut shall be approximately 5,040 square feet, 420' X 12'. The concrete restoration shall include a minimum of four concrete driveway aprons which are approximately an average of 250 square feet each, see figure 4. Additional concrete aprons or concrete sidewalks which are damaged during the course of this project shall be the responsibility of the contractor to replace before the completion of the project. Asphalt Pavement and Concrete Apron restoration must follow the specifications for asphalt and concrete restoration. See sections 9 & 10 and figure 3 & 4.

1. Gravity Sanitary Sewer Main Replacement and Lateral Repair.

- 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, Safety Shoring, 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 24" deeper than the current 8" PVC SDR 35 Gravity Sanitary Sewer Main. The current depth of the 8" PVC SDR 35 Gravity Sanitary Sewer Main is approximately 13'.
- f. The bedding for the replaced 8" PVC SDR 35 Gravity Sanitary Sewer Main shall be 24" of #57 stone. See figure 5.
- g. Place #57 stone to 12" above the top of the replaced 8" Gravity Sanitary Sewer Main Line and compact to 98% standard proctor in 8" lifts.
- h. Excavate 12" deeper than the current 4" Schedule 40 PVC Gravity Service Lateral. The current depth of the 4" Schedule 40 PVC Gravity Service Lateral is approximately 13'.

- i. The bedding for the rebuilt service laterals shall be 12" of #57 stone.
- j. Each of the nine service laterals shall be rebuilt from the 8" Gravity Sanitary Sewer Service a minimum of 6' back into the service lateral.
- k. Place #57 stone to 12" above the top of the rebuilt 4" service laterals and compact to 98% standard proctor in 8" lifts.
- l. Fill the excavation with ABC Stone or select fill material, compacting to 98% standard proctor in 8" lifts.
- m. Connections from the new 8" Gravity Sanitary Sewer Main Line into the MD-6 and MD-7 manholes shall include new Manhole Boot Connectors and shall be grouted utilizing a high strength non-shrinking grout, both inside and outside of the manholes.
- n. All disturbed grass shall be restored as soon as construction is complete with grass sod. 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.
- o. All asphalt and concrete driveway restoration shall be completed within City of Havelock Specifications. See sections 9, 10, and figure 5 & 6 for Pavement and Concrete Restoration.
- p. 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 is 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 pipes. 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 until completion of work. Excavation shall be kept free of water at all times during pipe removal, pipe replacement, and backfill operation.
- b. A dewatering plan shall be submitted to the City of Havelock for approval prior to the beginning of the project.
- c. 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.

- d. 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.
- e. 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.
- f. 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.
- g. 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 shall be responsible for supplying and utilizing safety shoring, the Safety Shoring shall be designed for worker safety and to eliminate any undermining and excavation growth and 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 workday.

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 and Lateral Pipe Bedding:

- a. The 8" Gravity Sanitary Sewer Main Pipe bedding shall consist of twenty-four-inch (24") depth of #57 stone under pipe and #57 stone to twelve-inch (12") above the top of the pipe.
- b. The 4" Service Lateral bedding shall consist of twelve-inch (12") depth of #57 stone under pipe and #57 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 grass shall be restored with Sod as soon as construction is complete. 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. Contractor shall design and furnish all material, labor, equipment, power, fuel, fuel storage, maintenance, supervision, and auto dialers on all bypass pumps, 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 the City of Havelock prior to the beginning of the project.

8. Traffic Control

- c. Contractor shall submit a Traffic Control Plan for any operations affecting traffic including but not limited to lane closures. Contractor shall submit a traffic control plan for any and all traffic control to the City of Havelock prior to the beginning of the project.
- a. 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.
- b. 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 including equipment damage, before the project's completion.
- 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 24" bedding of #57 stone for the newly installed 8" sanitary sewer line and a 12" bedding of #57 stone for the 4" lateral services and fill the excavation with #57 stone to 12" above the top of each of the installed pipe. ABC stone or select fill shall be brought to a minimum of 3" from existing asphalt for an asphalt bedding and be compacted to 98% standard proctor in 8" lifts. 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 or select fill shall be utilized from the top of the #57 stone at 12" above of the newly installed sanitary sewer and lateral lines. The ABC stone or select fill 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 1/2" radius.
- g. The seams where the new concrete meets the existing concrete shall have a 1/2" 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 and Payment Bonds

- a. The successful bidder, within 14 calendar days after the notice of award is received by them shall provide the City with a payment bond and performance bond in an amount equal to 100 percent of the amount of the contract. All bonds shall be in conformance with G.S. 44A-33. The corporate surety furnishing the bonds shall be authorized to do business in the state.

13. 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.

14. Access:

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

15. 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.

16. 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 90 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.

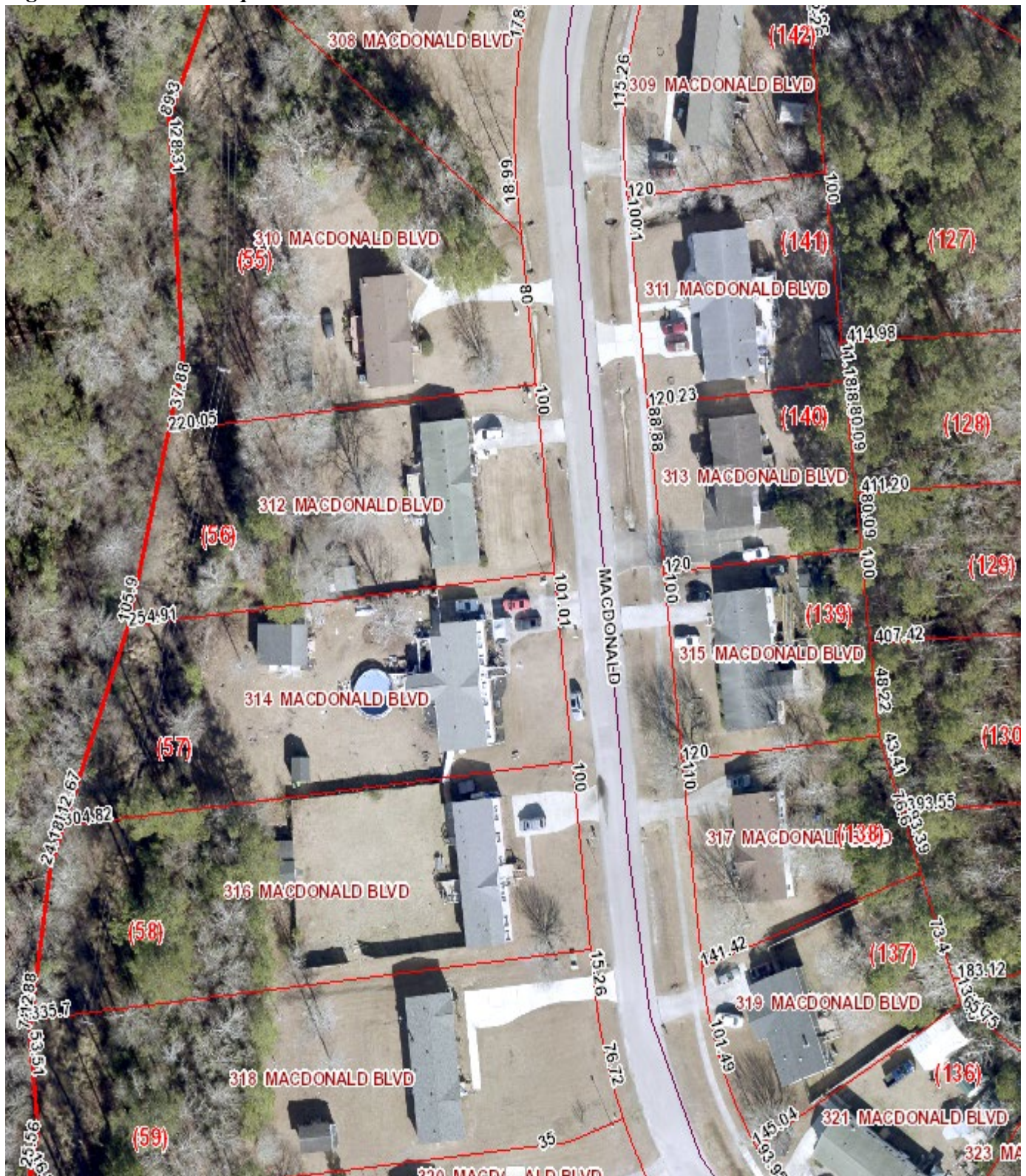


Figure 2: 8" Gravity Sanitary Sewer Line, 4" Service Laterals, and Manhole Locations.

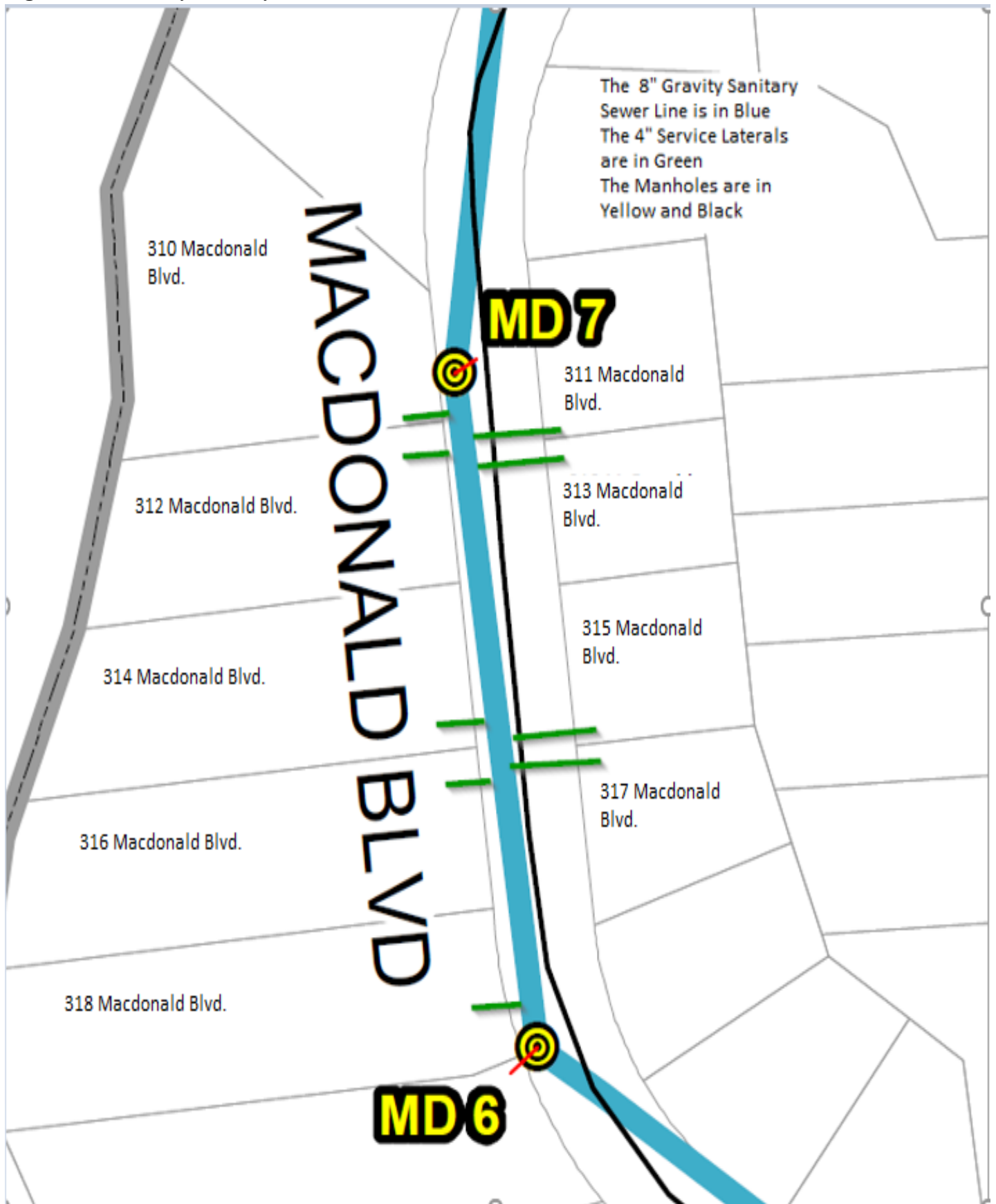


Figure 3: Asphalt Replacement and Utility Cut.



Figure 4: Concrete Aprons to be restored.

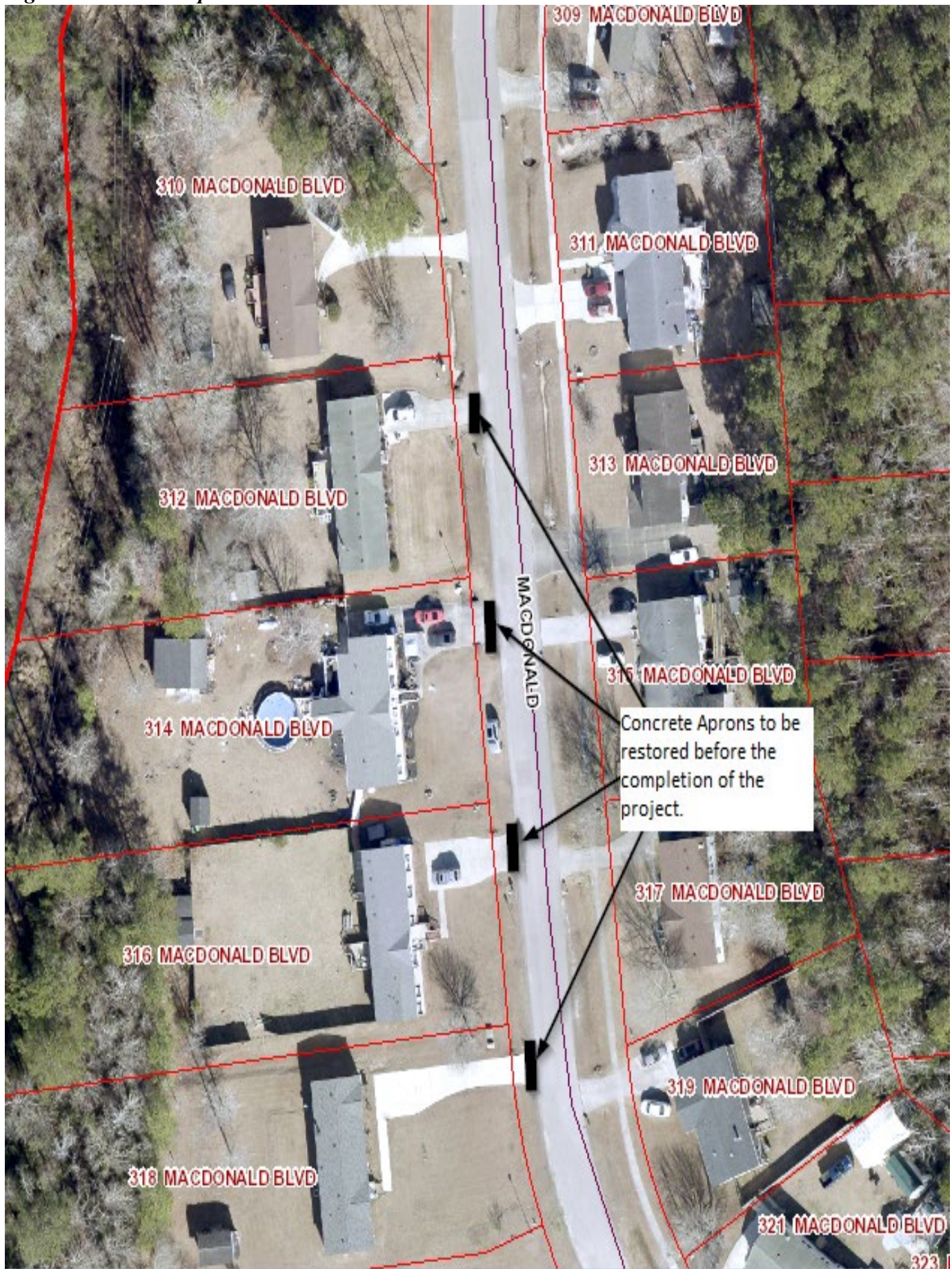
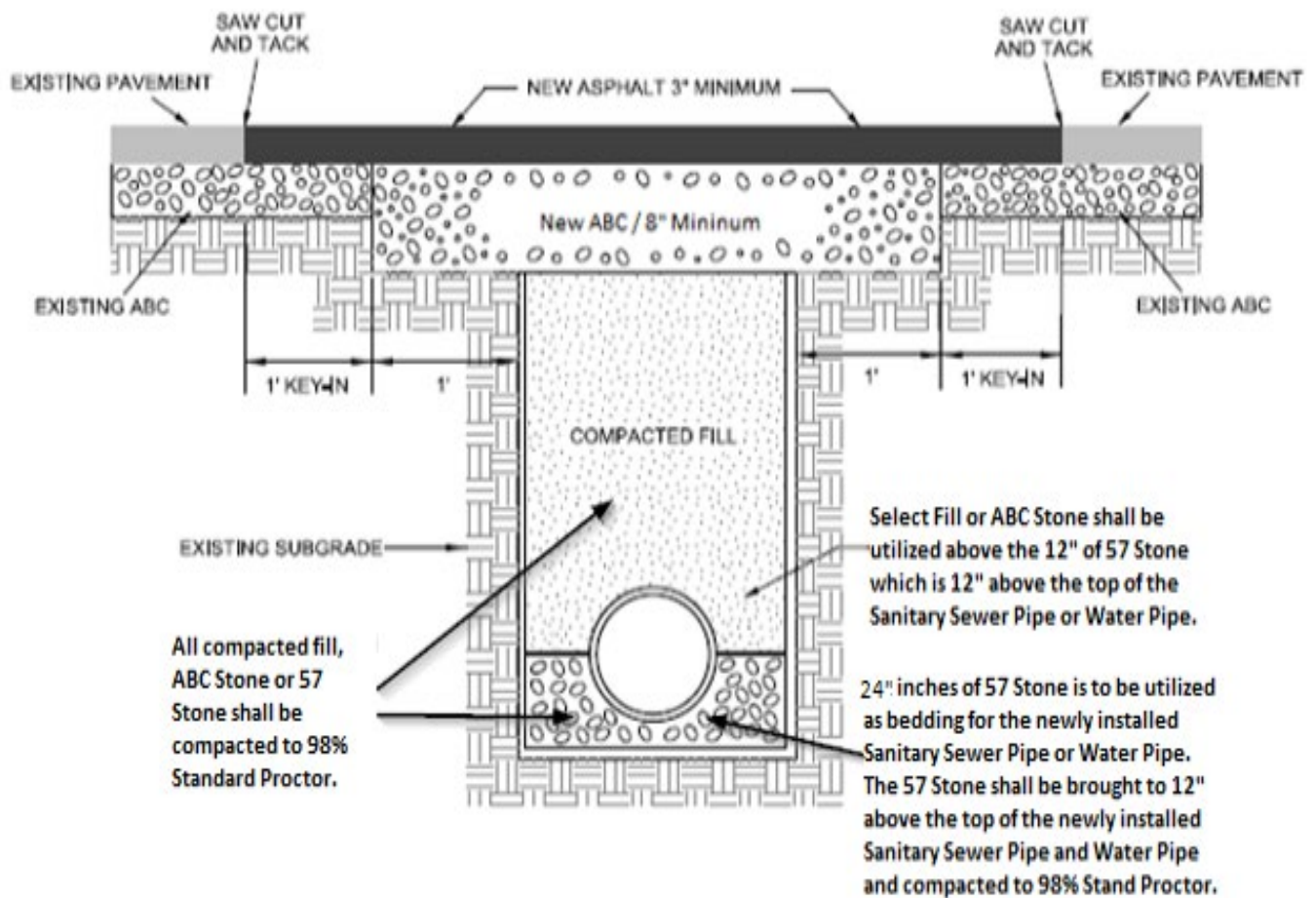


Figure 5: Utility Cut Standards



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: Typical Sizing of Utility Cuts.

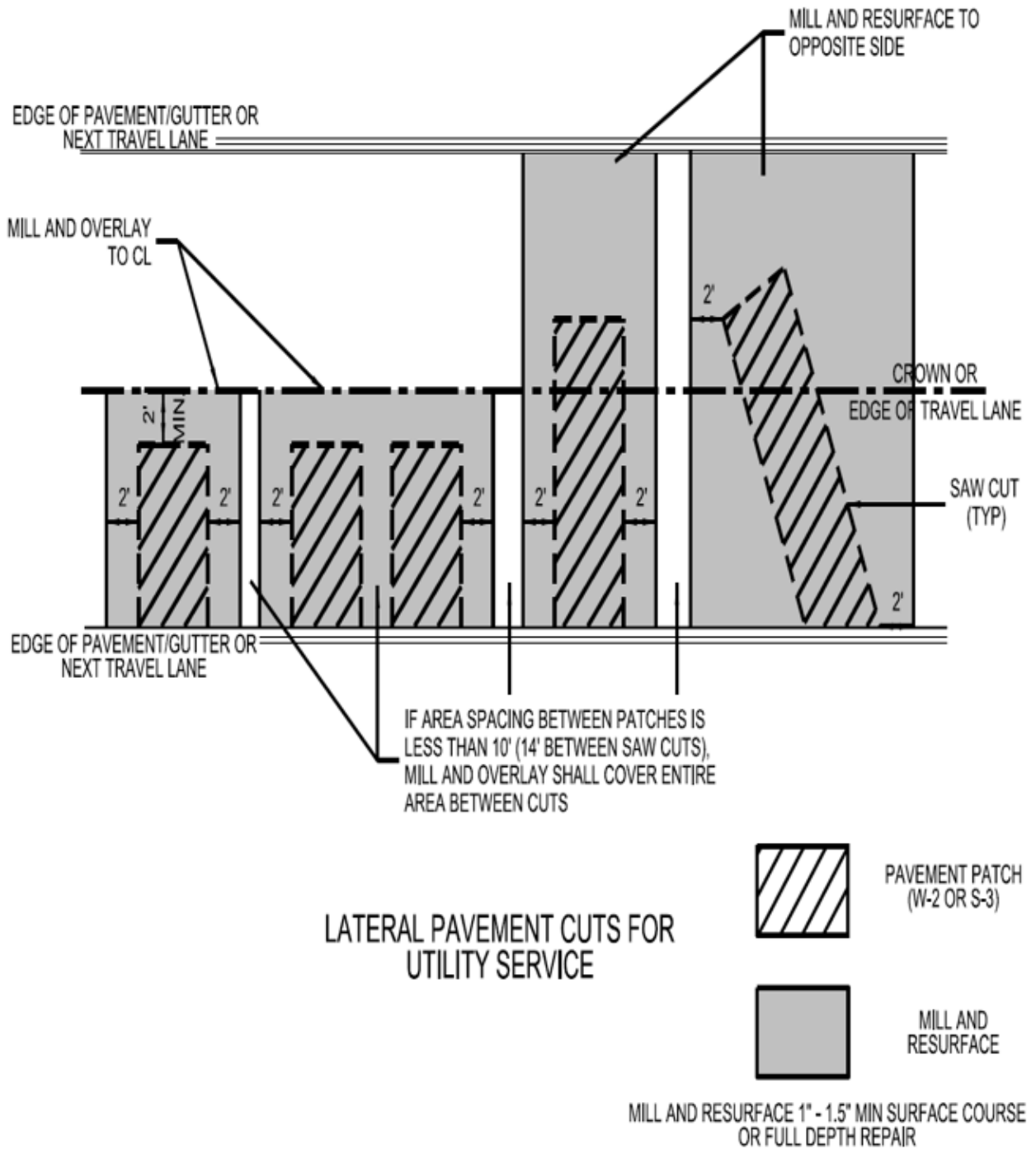


Figure 7: Itemization Sheet

Itemization Sheet

2025 Gravity Sanitary Sewer Line Replacement

Project Title	Gravity Sanitary Sewer Line Replacement
Project Location	310 – 318 Macdonald Blvd. Havelock, NC. 28532
Terms	Equipment / Material / Labor

Labor is to be included within all below line items:

Description	Amount
Mobilization	
Sanitary Sewer Line Replacement	
Lateral Replacement / 6' into Services	
Dewatering	
Safety Shoring	
Bypass Pumping / All Needed Equipment, Fuel, Supervision, Auto Dialers and Maintenance to be Included	
Traffic Control	
Pavement Restoration	
Concrete Restoration	
Total Cost	