



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,
Wastewater Treatment Plant: Influent Pipe and Manhole Replacement”***

**Address Bids to: Kimberly Walters, Interim Deputy Finance Officer
 City of Havelock
 P.O. Box 368
 1 Governmental Ave.
 Havelock, NC 28532**

Bids will be accepted until **2:00 p.m. (EST) on Thursday, July 27, 2023** at which time they will be reviewed in the office of City Finance.

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 Thursday, July 13, 2023 and will be answered by 12:00 PM (EST) on Wednesday July 19, 2023.**

Today is the 26th day of June 2023.

Published: Vendor Registry June 26, 2023

CITY OF HAVELOCK

Kimberly Walters
Interim Deputy Finance Officer



**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 Interim Deputy Finance Officer
 City of Havelock
 P.O. Drawer 368
 1 Governmental Avenue
 Havelock, NC 28532

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

Wastewater Treatment Plant: Influent Pipe and Manhole Replacement

Objective:

Repair of gravity sewer line, force main and related manholes at the head of the wastewater treatment plant at 304 Jackson Drive, Havelock, NC.

Scope:

The existing convergence of influent lines at the head of the sewer plant has suffered collapse as evidenced from a sinkhole that occurred in 2017 at manhole MH2 and a recent, more emergent one that occurred on May 28, 2023 at manhole MH3 which transports waste directly to the bar screen. See figure 1 for existing facility map and photo of existing conditions. Manhole and line depths vary from 18 to 20 feet.

The project will require wellpoints to dewater the area prior and during excavation and repairs:

The replacements of manholes MH2, MH3 and MH4;

replacement of 16" gravity SS line from MH2 to MH3 (approx. 30 ft);

replacement of 20" gravity SS line from MH4 to MH3 (approx. 12ft);

replacement of approx. 40ft. of PVC C900 12" force main coming from Rose Brothers lift station to MH4, with approx. 19 ft. drop to bottom of manhole.

replacement of 24" gravity SS line from MH3 to bar screen vault (approx. 16ft);

replacement of one section of 20" gravity SS line from MH5 to MH4 (approx. 20ft);

replacement of 1 section of 15" gravity SS line as necessary from influent junction box to MH3 (approx. 20ft).

The City of Havelock shall not be held responsible for omissions or errors in description. Contractor is encouraged to visit site prior to placing bid. 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. *(See Figure 3.)*

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 Maxadaptor 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. Force Main Pipe materials: PVC C900

- A. Use PVC pipe conforming to ANSI/AWWA C900 with a minimum DR of 25 and a minimum pressure class of 165 psi.
- B. Use pipe with push-on type joints having bells made as an integral part of the pipe conforming to ASTM D3139 or pipe with butt-fused joints made from ASTM D1784 Class 12454B plastic formulated for fusing.
- C. Fittings: Use high-pressure fittings manufactured in conformance with ANSI/AWWA C800.

3. Manholes:

- A. New manholes to be precast, watertight and conform to ASTM C 478 and ASTM C857. Top riser section to be eccentric cone with 24" dia. clear lid opening. Adjustment rings may be installed to achieve proper elevation and must be resistant to H₂S corrosion.
- B. Diameters of MH2 and MH4 to be 4ft with 5" min. thick walls. Depth of MH2 is approx. 18ft; depth of MH4 is approx. 19ft. MH4 shall be outside drop-type to receive 12" force main PVC pipe.
- C. Diameter of MH3 to be 5ft with 5" min. thick walls.
- D. Manholes shall include footers and ballast concrete to resist flotation.
- E. Joints between riser sections to be grooved and set in place with flexible joint sealant conforming to ASTM C990 with external 9" wrapped seal.
- F. Manholes to be installed on undisturbed earth on min 12" granular base of #57 stone.
- G. Resilient connectors shall be used for all pipe connections. Contractor to ensure proper alignment for pipe installation and correct invert elevations.
- H. Manhole base shall have formed-in-place sloped concrete channels as required to direct flow.

4. Bypass Operations:

Bypass pumps and force main bypass shall be in place and in operation prior to the commencement of this scope. The City of Havelock shall be responsible for the installation, monitoring and maintenance of bypass equipment. The City shall coordinate with the contractor to ensure access to work area to accommodate dewatering operation, excavation and replacement of manholes and pipes. See Figure 2.

5. Dewatering:

The contractor shall dewater with a perimeter wellpoint system as required for completion of work. Excavation shall be kept free of water at all times during excavation, pipe/manhole removal, pipe/manhole replacement, and backfill operations.

- A. 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.

6. Excavation and Shoring:

- A. Contractor is responsible for the design and protection of all excavation and shoring.

Standard shoring practices including sheet piling and/or trench boxes, can be used and 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.

7. Backfill and Compaction:

A. All excavations shall be backfilled with select fill material if excavated material is unsuitable. 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.

8. Pipe Bedding:

A. Pipe bedding shall consist of an eight-inch (8") depth of # 57 stone under pipe and #57 or ABC stone to top of pipe (*See Figure 4*).

9. 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.

10. Pavement Restoration, if required.

A. Replacement of asphalt roadway and/or concrete driveways/sidewalks, and driveway culverts are the responsibility of the contractor and shall be returned to original condition before end of project.

B. The maximum width of pavement replacement for the installation of new sewer main and point repairs shall be 10 feet. The maximum width of pavement replacement for the replacement of service laterals is 5 feet. If pavement cuts are 24 inches or less from the edge of pavement, then the asphalt must be removed and replaced to the edge of pavement.

11. Access:

A. Access to project sites are within existing City of Havelock right of ways. All repairs sites are within a six (6) mile radius.

12. Termination Clause:

- A. Any agreement and issuance of purchase orders shall be terminated upon the expiration of (30) days without work commencing. At the end of thirty 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 (30) thirty 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.

13. 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.

14. Payment and Performance Bonds

- A. The successful bidder, within 14 calendar days after the notice of award is received by him, shall provide the City with a payment bond and a performance bond each 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.

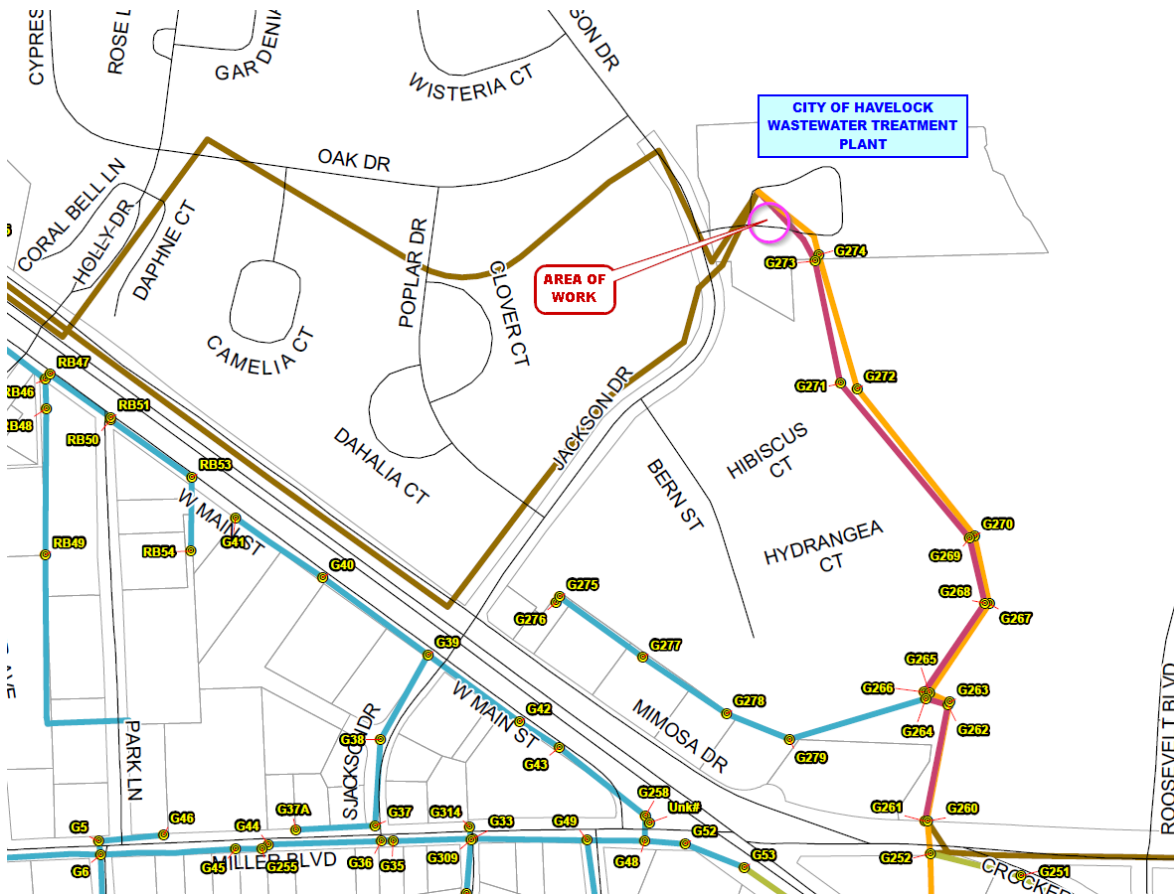
General Provisions:

- 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:

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 and vicinity map



Existing Conditions: view to north.



Existing Conditions: view to east.

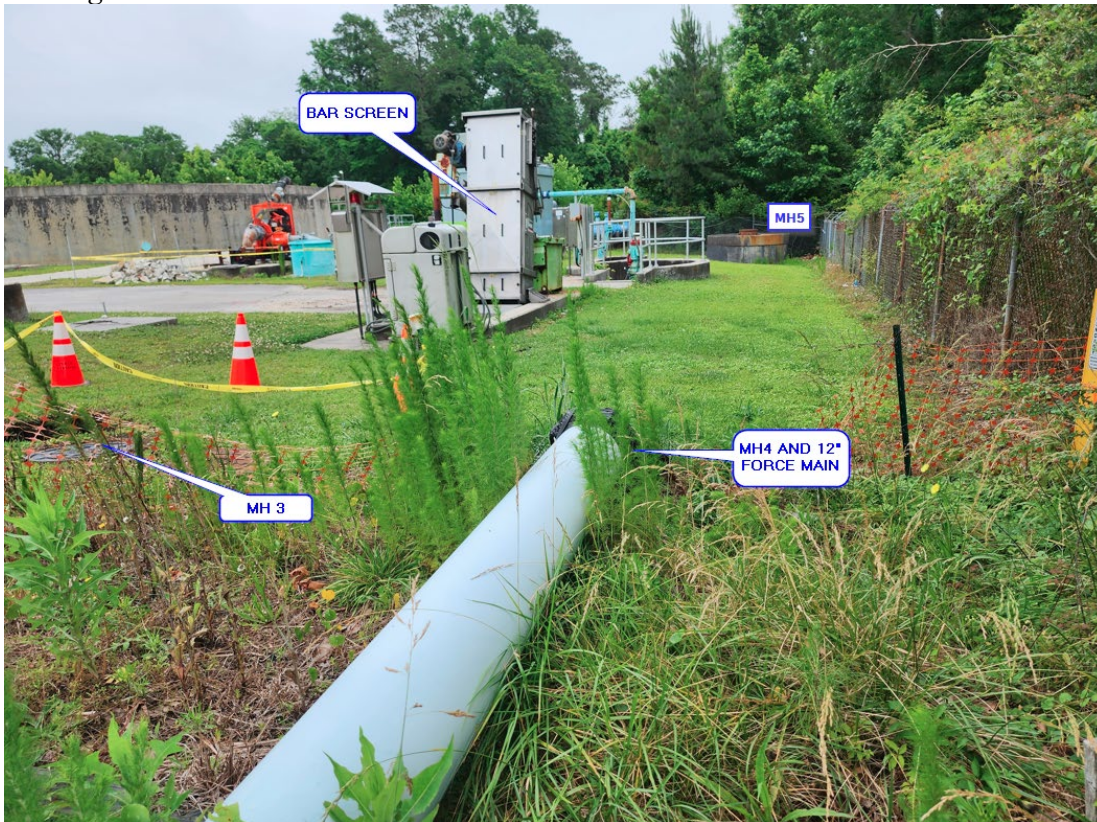


Figure 2: Bypass diagram and sewer flow diagram



Fig 3: New manhole and line replacement plan:

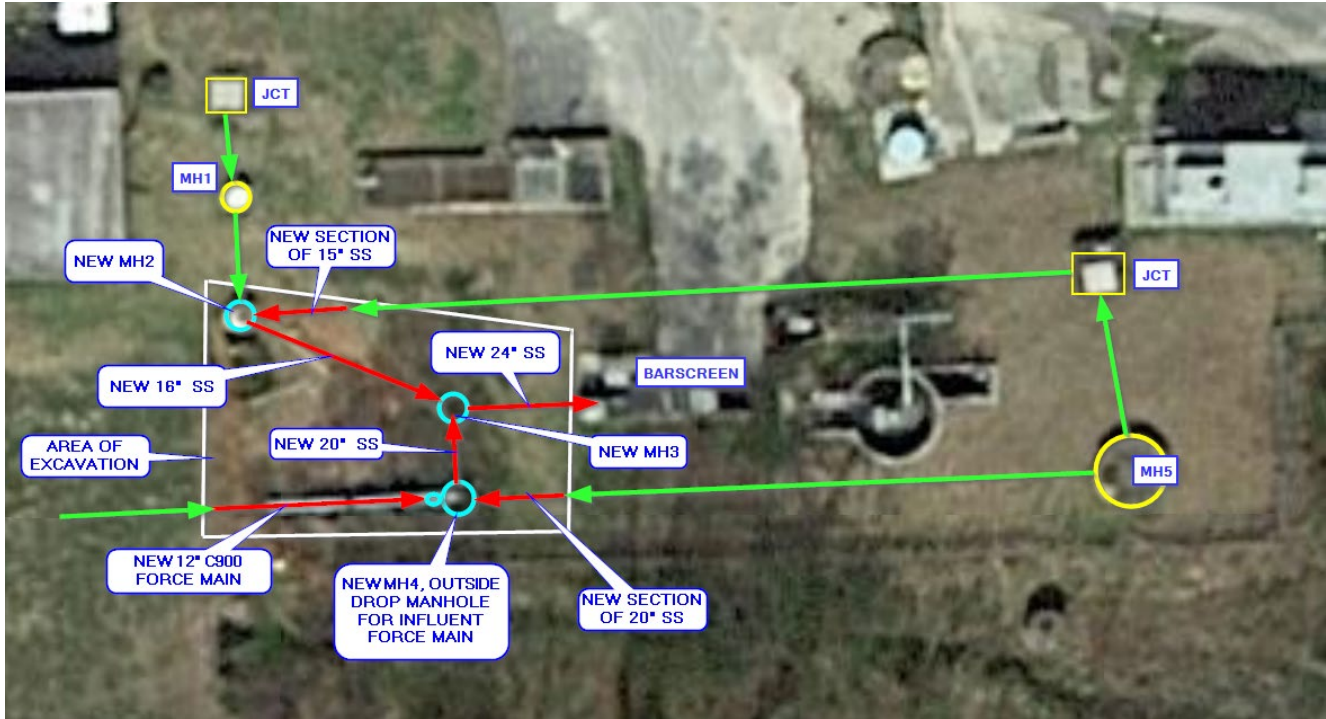


Figure 4: Typical pipe bedding section.

