



Collier County

Public Utilities
White Lake Boulevard
Water Main Replacement

Bid Submittal

Prepared By:



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Table of Contents

Name	Section
Project Description and Schedule	I
Bid Sheet	II
Measurement and Payment	III
Special Project Provisions	IV
Permits	V
Material Delivery Confirmation Form	VI
County Procured Materials	VII

SECTION I

PROJECT DESCRIPTION & SCHEDULE

White Lake Boulevard Water Main Replacement

PROJECT DESCRIPTION

This project consists of the replacement of the existing water main along White Lake Boulevard from City Gate Drive to City Gate Boulevard South. The project generally consists of the following major components:

- Water Infrastructure Improvements
 - Removal and disposal of the existing 24-inch polyvinyl chloride (PVC) water main piping and associated appurtenances.
 - Installation of new 24-inch ductile iron water main piping and associated appurtenances continually restrained and with 12-inches (minimum) #57 stone bedding under all piping.
 - Reinstallation of existing fire hydrants and air release valves (ARV) or County provided fire hydrants and ARVs as depicted in the drawings.
 - Material to install the proposed 24- inch ductile iron water main piping will be provided by the Collier County Water Distribution Department.
- Sidewalk Restoration
 - Restoration of the existing sidewalk to the previous condition or better, according to specifications, plans, and Collier County standards.

All construction shall be in accordance with the construction plans, Roadway and Traffic Standards (latest edition), Collier County Development Standards and Specifications and Collier County Water-Sewer District Utilities Standards Manual, the State of Florida Department of Transportation (FDOT) standards (latest edition). In the event of conflict between standards/requirements and/or these specifications and drawings, the more stringent requirement shall apply.

SCHEDULE

Time is of the essence for this project and disruption to businesses in the area must be kept minimal. The County has a right to request a detailed plan from the contractor if the contractor is not anticipated to finish the project within the contract time. The project will commence upon notice to proceed (NTP) from the County and be in effect until completion of the project as follows.

- Substantial completion must be reached for all aspects of the project no later than ninety (90) days from the issued Notice to Proceed.
- Final completion must be reached for all aspects of the project no later than one hundred and twenty (120) days from the issued Notice to Proceed.



**BID SCHEDULE
WHITE LAKE BOULEVARD
WATER MAIN REPLACEMENT PROJECT**

ITEM NO.	DESCRIPTION	UNIT	UNIT PRICE	EST. QTY.	AMOUNT (\$)
SECTION 1: GENERAL					
1.1	Mobilization/Demobilization (Max 10% of Subtotal Bid, without Allowances)	LS		1	\$0.00
1.2	Maintenance of Traffic	LS		1	\$0.00
1.3	Survey Layout & Record Drawings	LS		1	\$0.00
1.4	Pre-Construction Video & Photographs	LS		1	\$0.00
1.5	Remove, Dispose and Replace Existing 6ft Concrete Sidewalk	SY		415	\$0.00
1.6	Detectable Warnings and Signage	LS		1	\$0.00
SECTION 1 SUBTOTAL:					\$0.00

ITEM NO.	DESCRIPTION	UNIT	UNIT PRICE	EST. QTY.	AMOUNT (\$)
SECTION 2: WATER SYSTEM					
2.1	Remove and Dispose Existing 24-inch PVC Water Main	LF		620	\$0.00
2.2	Install 24-inch Ductile Iron Pipe Water Main	LF		620	\$0.00
2.3	Remove & Install Fire Hydrant Assembly (Existing or County Provided)	EA		3	\$0.00
2.4	Connection to Existing Water Mains	EA		2	\$0.00
2.5	Remove & Install Air Release Valve (Existing or County Provided)	EA		1	\$0.00
SECTION 2 SUBTOTAL:					\$0.00

Section 1: General					\$0.00
Section 2: Water System					\$0.00
SUBTOTAL :					\$0.00

SECTION III

MEASUREMENT AND PAYMENT

White Lake Boulevard Water Main Replacement

DESCRIPTION

- A. This section describes the method used to determine quantities of Work performed or materials supplied for which a price is given in the Bid. It establishes the basis upon which payment will be made for Payment Items.
- B. Subject to the provisions in General Conditions, all Work and payment for the Work is represented by Payment Items and associated unit prices.

PAYMENT

- A. Subject to all other contract requirements, the Contractor shall be paid for "as built" quantities of Work for which a price is given in the bid.
- B. Quantities on the Bid Schedule are estimated and may be increased or decreased without limit and without changes to the unit prices.
- C. No separate payment will be made for one Payment Item as Work incidentally required to complete the Work of another.
- D. Payment for Work performed shall be made in accordance with the unit prices in the Bid.
- E. Contractor's payment applications approval is subject to all conditions of the Contract, Collier County requirements and of the receipt and approval (by the County, EOR, and/or CEI) of following from the Contactor:
 - a. Existing utility location reports (horizontal and vertical pot holing or soft digging of all existing utilities).
 - b. As-built red lines of completed work.

MEASUREMENT FOR PAYMENT

- A. Methods of Measurement:
 - 1. Measurements of lengths, widths, slope angles, and depths or elevations shall be made to determine "as-built" quantities of lengths, areas and volumes pertinent to Payment Items.
 - a. Unless otherwise specified, all lengths shall be horizontal distances.
 - b. Slope angles and elevations shall be measured using land surveying equipment.
 - 2. Graphic representations of measured quantities shall be drafted to scale using the Drawings where convenient and appropriate. Additional drawings shall be drafted if required.
 - a. Irregular shapes representing areas and volumes shall be measured using a compensating polar planimeter or a computer digitizer.
 - b. Regular shapes shall be scaled.
 - 3. Use of Drawings:

Unless otherwise agreed upon between the Contractor and Owner, the Drawings shall be used as the basis to establish existing grades and other existing topographic features.

PAYMENT ITEMS

- A. No separate payment will be made for the following Work, and its cost shall be included in the Bid Price of the Payment Item to which it is associated:
1. Trench excavation, sheeting, shoring and bracing.
 2. Best management practices and controls required to meet dewatering discharge water quality standards.
 3. Erosion and sedimentation control and turbidity screening.
 4. Excavation, fill, backfill, pipe bedding (including 57 stone), compaction, and grading, including furnishing and installing imported material as required.
 5. Excavation of all material encountered, including rock, organic, inorganic, and unsuitable material and all material transportation and disposal.
 6. Right-of-way, site, and all disturbed area restoration including grading, sod, mulch, plantings, trees, landscape, etc.
 7. Final and temporary restoration.
 8. Removal and temporary replacement of driveways and roadways disturbed during construction to maintain stable condition until permanent restoration is completed.
 9. Cleanup and site dust control, including daily sweeping and watering and as needed to maintain a clean work area and daily collecting and disposal of all trash and debris within the project site.
 10. Testing, including all materials, fees, certifications, and equipment.
 11. Maintenance of utility service.
 12. Appurtenant work.
 13. Saw cutting.
 14. Coordination with other contractors for work within the ROW.
 15. All transportation, storage, and labor.
 16. Notifications to property owners of construction schedule and service interruptions.
 17. Contractor Project Manager or Supervisor on-site during any construction activity.
 18. Temporary bacteriological sample points.

- B. Measurement and Payment Items as listed in the Bid Schedule:

SECTION 1: GENERAL REQUIREMENTS

1.1 Mobilization/Demobilization

- A. Measurement for various items covered under Mobilization/Demobilization will not be made for payment, and all items shall be included in the contract lump sum price.
- B. Payment for mobilization and demobilization will be made at the Contract lump sum price and shall include all necessary meetings for the project, including but not limited to: meetings with property owners, associations, and other interested parties, all meetings deemed necessary by Collier County, the attendance of the Contractor's field superintendent(s) at all progress meetings, and all other public meetings required to complete the project in accordance with the contract documents, preparatory work and operations in mobilizing for beginning work on the Project and demobilizing for ending

work on the Project. Additionally, this item shall include locating and potholing all existing utilities (including services) a minimum of two (2) weeks prior to beginning work and providing the required report and notification to the Engineer of Record and County of any discrepancies found; the establishment of safety equipment, first aid supplies, sanitary and other facilities, as required by these specifications, State and local laws and any other preconstruction expense necessary for the state of the Work, insurance and bonds, the cost of field engineering, including permits and fees, construction schedules (updated schedules are required monthly and 2-week look-a-heads every 2 weeks), shop drawings, temporary facilities, lay down storage area, construction aids, work associated with Contractor support during Owner/Engineer testing, reviews and inspection, re-inspection and any rework resulting from same, cleaning, and project records documents. This payment item cannot exceed more than 10% of the subtotal base bid (without allowances) for each Avenue.

1.2 Maintenance of Traffic

- A. Measurement for various items covered under Maintenance of Traffic will not be made for payment, and all items shall be included in the contract lump sum price.
- B. Payment for Maintenance of Traffic will be made at the Contract lump sum price for the item, which price and payment shall be full compensation for permitting, construction, and maintenance of any necessary detour facilities; the providing of necessary facilities for access to residences, business, etc., along the project; the furnishing, installing and maintaining of traffic control, barricades, railings, message boards (VMS), warning lights, and other safety devices during construction, the control of dust (daily and as further needed), providing the services of uniformed off-duty police officers, flag men, watchmen, and other special requirements for the safe and expeditious movements of traffic per County and FDOT standards.

1.3 Survey Layout & Record Drawings

- A. Measurement for various items covered under Survey Layout & Record Drawings will not be made for payment, and all items shall be included in the contract lump sum price.
- B. Payment for providing all survey and record drawings will be made at the contract lump sum price for the item, which price and payment shall be full compensation for project stake-out, completion of an as-built survey, contractor's hand-drawn redlines, and the delivery of five (5) sets of signed and sealed record drawings and an electronic copy submitted to the County upon Contract close-out per County standards. Electronic (CAD) files shall be provided to the Engineer of Record. Up-to-date Contractor redlines shall be provided with every pay request. Pay requests submitted without up-to-date Contractor redlines shall be rejected.

1.4 Pre-Construction Video & Photographs

- A. Measurement for various items covered under Pre-Construction Video & Photographs will not be made for payment, and all items shall be included in the contract lump sum price.
- B. Payment for providing pre-construction videos and photographs will be made at the full lump sum contract price for the item, which price and payment shall be full compensation for assessment of the project area within the ROW with a minimum of

three high resolution (300 pixels per inch (PPI) or greater) pictures per lot and a picture every 50 feet within the ROW to document pre-construction conditions, including, but not limited to; pictures of the project area within and outside of the ROW, a wet weather video (in addition to a dry weather video) to document flood conditions that will take place during normal business hours. Videos shall be high definition (HD) 1080p minimum. If documentation of the wet weather condition is not possible by a precipitation event, this shall include the cost to flood the ROW with a water truck to document stormwater drainage conditions.

1.5 Remove, Dispose, and Replace Existing 6ft Concrete Sidewalk

- A. Measurement for removing, disposal, and replacing the existing 6ft concrete sidewalk will be based on the total square yard of material actually placed as field measured and shown on as-built drawings.
- B. Payment for removing, disposal, and replacing the existing 6ft concrete sidewalk shall be made at the appropriate Contract unit price per square yard and payment shall be full compensation for removal and disposal of existing material, adjustment, furnishing subgrade and stabilizing material, furnishing and installing of sidewalk per FDOT Standard Index 310 or the Flexible Pavement Design Manual, per ADA requirements, and testing as specified herein. Pedestrian access and transit shall be provided at all times during construction and restoration (permanent or temporary) of the sidewalk in the project limits and must be completed within 7 calendar days of the water main being installed, tested, and placed into operation. Temporary sidewalk restoration shall be firm, stable, and slip resistant (compacted limerock or asphalt).

1.6 Detectable Warnings and Signage

- A. Measurement for installing Detectable Warning strips and Signage will not be made for payment, and all items shall be included in the contract lump sum price. s.
- B. Payment for installing detectable warning strips shall be made at the appropriate Contract lump sum price and payment shall be full compensation for furnishing and installing detectable warnings per FDOT Standard Index 304, per ADA requirements, and as specified herein and the installation of new signage per FDOT and Collier County standards. Detectable warnings must be installed either in concrete, cast-in-place, or with concrete anchors, per manufacturer's recommendations, including detectable warning within asphalt.

SECTION 2: WATER SYSTEM

2.1 Remove and Dispose Existing 24-inch PVC Water Main

- A. Measurement for removal and disposal of the existing 24-inch water main will be based on the laying length of the pipe in linear feet removed and disposed of as measured along the centerline of the pipe, including length of fittings measured to the nearest foot, between the limits shown on the Drawings and restraint of pipe as required by contract documents.
- B. Payment of removing and disposing of the existing 24-inch PVC water main will be made at the appropriate contract unit price per linear foot in accordance with Collier County Standard and as specified herein. Payment shall be full compensation for all

labor and work (including coordination and shutdowns of the existing water main with Collier County) necessary to remove the water main, support of existing and proposed utility components including potable water service connections, compaction per FDOT standards, connections not specified elsewhere, coordination with other contractors, and temporary facilities for testing.

2.2 Install 24-inch Ductile Iron Water Main

- A. Measurement for water main pipelines, except as otherwise specified, will be based on the laying length of the pipe in linear feet actually placed as measured along the centerline of the completed pipe, including length of fittings measured along the centerline measured to the nearest foot, between the limits shown on the Drawings and restraint of pipe as required by contract documents.
- B. Payment for installing water main pipelines will be made at the Contract unit price per linear foot for the pipe in place, which price and payment shall be full compensation for all work associated with the water main pipeline installation. Payment shall also include but not limited to, installation of all pipe fittings, driveway removal and replacement (not included in another pay item), asphalt removal and replacement, curb and gutter removal and replacement, restraints, detectable tape, temporary connections to existing water mains, connection to existing services, pretesting, flushing/filling of main, joint restraints, pressure testing, disinfection and sterilization, bacteriological testing and sampling assemblies, silt fencing, insulated conducting wire, restraint of existing water mains, support of existing main, removal and temporary replacement of driveways and roadways disturbed during construction to maintain usable condition until permanent restoration is completed; landscape and/or sodding not designated in bid as necessary, coordination with other contractors, stubs and valves for future connections to existing pipes, clean-up, temporary facilities for blow-offs, all cost to clean, repair new or existing piping and appurtenances, and all equipment and all other work necessary to complete the installation as specified. Contractor to assume all existing pipe is unrestrained at connection points and restrain existing pipes per Collier County standards. Contractor to restrain all joints on newly installed water main.

2.3 Remove & Install Fire Hydrant Assemblies (Existing or County Provided)

- A. Measurement for Removal and Installation of Fire Hydrant Assemblies (Existing or County Provided), except as otherwise specified, will be based on the number of fire hydrants installed and accepted.
- B. Payment for removal of the hydrant and gate valve, reinstalling or installing new County provided fire hydrant assemblies will be made at the appropriate contract unit price per fire hydrant assembly installed which price and payment shall be full compensation for all labor and materials required to furnish and install the tee on the utility main, all necessary fittings, joint restraint from the valve to the tee, necessary piping from the tee to the hydrant location with the installation of barrel (riser) section to meet finished grade at the locations depicted in the drawings, and deflections under/over existing or proposed utilities, swales, or stormwater improvements; control gate valve, valve box, pavement marker, coordination with the fire department, chains, and any concrete work. Contractor is responsible to set the hydrant to grade in accordance with the details shown on the Plans and the Collier County Specifications.

If an existing fire hydrant assembly is determined to be un-usable by the County or does not meet the County standards, Collier County will provide a new fire hydrant assembly (hydrant to hydrant valve) to be installed per County standards. If needed, Contractor is to dispose of the existing hydrant if unable to reinstall or the County chooses to install a new hydrant.

2.4 Connection to Existing Water Mains

- A. Measurement for Connection to Existing Water Mains, except as otherwise specified, will be based on the number of connections installed and accepted.
- B. Payment for connecting the newly constructed water main to the existing water mains will be made at the appropriate Contract unit price per each connection acceptable installed which price and payment shall be full compensation to furnish and install all fittings, connections, insert valves and line stops (not included in a separate pay item), tapping sleeve and valve with valve box, blow-offs, miscellaneous piping not included under a separate bid item; restraining existing and proposed piping, removal and replacement of existing concrete restraints as necessary, concrete work, field measurements, protection of existing utilities and facilities, bacteriological sample points testing, and all other work required for a complete installation.

2.5 Remove & Install Air Release Valves (Existing or County Provided)

- A. Measurement for Removal and Installation of Air Release Valves (Existing or County Provided), except as otherwise specified, will be based on the number of air release valves installed and accepted on the potable water main.
- B. Payment for removal of the Air Release Valve (ARV), reinstalling or installing new County provided ARV will be made at the appropriate contract unit price per each air release valve installed and accepted which price and payment shall be full compensation to furnish and install the valve, complete with tapping saddle, ballcorp, curb stop, supports, vents, vault, footing, frame, cover, access lid, piping, fitting and bends, enclosures, deflections under/over existing or proposed utilities, swales, or stormwater improvements, and other appurtenances. Air release valves shall be placed at the ROW line unless otherwise directed by the County. If an existing air release valve is determined to be un-usable by the County or does not meet the County standards, Collier County will provide a new air release valve to be installed per County standards. If needed, Contractor is to dispose of the existing air release valve if unable to reinstall or the County chooses to install a new air release valve.

END OF SECTION

SECTION IV

SPECIAL PROJECT PROVISIONS

White Lake Boulevard Water Main Replacement

1. Time is of the essence on this project and construction activities from mobilization to demobilization, including final restoration, must be completed within 120 days from the issued Notice to Proceed. The resulting contract will commence on issuance of a notice to proceed (NTP) and be in effect until completion of the project.
2. Contractor to over excavate to remove unsuitable bedding material. Pipe bedding to be #57 stone 12-inches minimum below bottom of pipe, per typical trench detail.
3. Contractor shall restrain all joints on newly installed water main.
4. Collier County Water Distribution Department to furnish water main piping material as described in contract documents. It is the intent of the contract to reuse the existing fire hydrants (from hydrant valve to and including the fire hydrant) and the existing air release valves (from the curb stop at the water main to and including the air release valve housing). If it is determined by the County that the existing fire hydrants and/or existing air release valves are not to be reused, the County will supply the fire hydrants (from hydrant valve to and including the fire hydrant) and/or the air release valves (from the curb stop at the water main to and including the air release valve housing).
5. Two (2) weeks prior to beginning construction, the Contractor shall locate by pot holing or soft digging all utilities within the limits of the project (including services) and provide the County, EOR, and CEI a report (before construction) of the findings at each location that includes the station and offset, location, utility type, depth from grade, size, material, date, time, and a minimum of two (2) pictures (an overall site picture and a picture of the utility found). The Contractor shall mark the found utility with a wooden lath and ribbon, with the utility type found, size, and depth written on the lath. This shall be reviewed with the County and Engineer to allow adjustment of mains as required to minimize conflicts. If the Contractor fails to complete this requirement, Contractor payment applications will not be approved.
6. During construction, the Contractor shall keep one lane of traffic open at all times on all affected roads. Flagmen shall be utilized to assist traffic through the construction zone when two lanes of travel are not provided. Flaggers shall possess a Temporary Traffic Control (TTC) Basic Flagger Certificate per requirements set forth by the Florida Department of Transportation. Access onto existing streets and drives shall be maintained to local traffic, emergency vehicles, delivery vehicles, postal vehicles, public transportation, solid waste and recycling vehicles, and property owners. At all times, access must be provided to existing fire hydrants, valves, meters/backflow devices, manholes, and cleanouts.

7. Notification of road closures must be provided in writing to the Collier County Sheriff's Office and the North Collier Fire Rescue District at least 72 hours in advance of the road closures. Road Closure notification forms shall be submitted to the Collier County Growth Management Department each week. Access to each residence and business shall be maintained for emergency vehicles at all times. Contractor must provide a road closure plan and schedule for review by the County, EOR, and CEI 7 days prior to all proposed road closures.
8. The Contractor shall coordinate with the following agencies, above and beyond the Collier County Road Alert, throughout the duration of construction: USPS, Collier County Sheriff's Office, Fire Department and EMS, Waste Management (garbage and recycling), and Collier County Public Schools (school bus routes).
9. The Contractor shall notify Collier County Utilities Department at least ten (10) calendar days in advance of all planned service interruptions and receive County Project Manager's approval before proceeding with planned interruptions.
10. Contractor shall assume all existing mains are unrestrained at the connection points and will restrain the mains in accordance with the Collier County Water-Sewer District, Utilities Standards Manual.
11. Work shall be limited to 7:00 AM to 7:00 PM Monday through Saturday. Saturday work requires approval by the Collier County Project Manager, the Contractor must request Saturday work by 12:00 PM on the Thursday before Saturday work is proposed. No work shall be permitted on Sundays and County Holidays without prior approval. Please see the following link for Collier County's Holidays: [Clerk of Courts Campus Holiday Schedule – Collier Clerk of the Circuit Court & Comptroller](#)
12. Contractor's site superintendent(s) must attend all meeting relating to the project, including, but not limited to progress meetings, neighborhood information meetings, on-site meetings, and any other meeting deemed necessary by Collier County.
13. All Collier County Water-Sewer District, Utilities Standards (design criteria, specifications, and details) are applicable to this project and are made part of the Contract Documents by reference to current County Utilities Standards, located at the following web address: <https://www.colliercountyfl.gov/government/public-utilities/water-sewer-district/engineering-and-project-management/resources>. In the event of a conflict between any applicable standard and these specifications and drawings, the more stringent requirement shall apply.
14. Contractor shall be responsible for all costs associated with installing and testing of all compact fill materials and road base and sub-base to avoid future settlement. Within paved areas, at a minimum, backfill and compaction shall be per detail FDOT Index 125-001 and

Specifications Section 125. Perform compaction density tests at all such backfill areas with spacing not to exceed 100 feet apart and on each compacted layer for paved areas.

For unpaved areas, compaction shall be per FDOT index 125-001 and testing shall take place a minimum of every 500 feet, or a minimum of one test per every section of pipe laid. Compaction testing density shall be per ASTM D 1557.

15. Contractor shall be responsible for all inspection and testing unless otherwise specified. For tests to be made by the Contractor, the testing personnel shall make the necessary inspections, furnish all material and equipment to properly perform the testing, and furnish all results to Collier County for acceptance of all equipment and installation as required.
16. Contractor shall be responsible for the cost of all testing as required.
17. New water main and service piping (from main to curb stop at meter) shall be constructed, pressure tested, flushed (full bore), and bacteriologically cleared for FDEP clearance.
18. Contractor to pre-test all pressure piping and meet AWWA C600-17 (or current edition) allowable loss standards for a minimum of one hour before commencing the pressure test.
19. Flushing (full bore and dechlorination) and water from dewatering operations shall not enter the White Lake Boulevard ROW and/or drainage system.
20. Clearing and grubbing shall be limited to work areas only. Contractor shall be responsible for restoring all areas disturbed by his work. All disturbed areas shall be restored to pre-construction conditions. Contractor shall be required to water vegetation replaced until established/rooted.
21. Contractor shall be responsible for all construction layout and preparation of Record Drawings in accordance with County requirements. This shall include but not be limited to water main, valves, fire hydrants and services, gravity sewer laterals, approved changes, and stormwater.
22. Contractor shall contact all utility suppliers, including but not limited to Collier County, Comcast, Summit Broadband, Inc., Florida Power & Light, and CenturyLink for locating of their facilities. Contractor shall coordinate with these utilities for protection and adjustment of their facilities as needed. All costs shall be included in individual bid items.
23. Contractor shall be responsible for all Maintenance of Traffic for the project. Maintenance of Traffic shall be in accordance with the FDOT Standard Index and the Manual of Uniform Traffic Control Devices (MUTCD, Part VI). Existing traffic conditions may warrant night work. If night work is required, the Contractor will be responsible for proper MOT at no additional cost.
24. All sign related work to be coordinated with Felix Burgos, 239-252-5179, to maintain integrity of our Sign asset database. Contractor to follow Traffic Operations Signing and

Pavement Markings Special Provision details which indicate using a 2.5" x 2.5" galvanized metal square tubular signpost.

25. The Contractor shall replace all signs with new signs, posts, and hardware to meet current Collier County and FDOT specifications/standards. All removed signs shall be returned to Collier County Traffic Operations at 2885 Horseshoe Drive South, Naples, FL 34104.
26. Contractor shall replace striping to meet current Collier County and FDOT specifications/standards; all striping shall be thermoplastic, as necessary.
27. The Contractor shall be responsible for obtaining equipment and material storage areas and all necessary permits, ROW, and temporary construction access. For storage areas, the Contractor shall:
 - a. Provide a copy of all Agreement to the County and Engineer of Record.
 - b. Obtain a ROW permit for the storage area.
 - c. Obtain a Temporary Use Permit for the storage area.
28. The Contractor shall be responsible for maintaining all work areas in a safe and clean manner as identified in the County Utilities Standards Manual. This shall include but not be limited to daily watering and intermediate watering as needed of bare soil roadways and sweeping of roadway and sidewalk surfaces.
29. Pedestrian access and transit shall be provided at all times during construction and restoration (permanent or temporary). Temporary sidewalk restoration shall be firm, stable, and slip resistant (compacted limerock or asphalt).
30. If road/driveway dewatering ramps are utilized at roadways/driveways, the contractor shall provide barricades on either side of the ramps to protect/warn vehicles from driving over manifolds/connection sections on either side of all ramps.
31. All excavation shall be unclassified with no additional payment to be made for rock, unsuitable material, dewatering. The Contractor shall be responsible for making his own site observations and exploration to determine site conditions prior to bidding.
32. The Contractor shall prepare and provide for review by the Owner and Engineer an MOT Plan, Tropical Storms and Hurricane Plans, and Safety Program/Risk Management Program prior to construction commencement.
33. The Contractor shall conform to the requirements in Collier County Ordinance 2019-17: An Ordinance providing for establishment of a water pollution control and prevention ordinance, providing for repeal of Ordinance No. 87-79, as amended, and resolution No. 88-311: providing for inclusion in the Code of Laws and Ordinances; providing for conflict and severability; and providing for an effective date.
34. It is recommended that the Contractor review and follow the recommendations for field measuring turbidity in the following FDEP SOP FT1600:

<https://www.youtube.com/watch?v=k6x22q9uoAY&feature=youtu.be>

35. The Contractor shall coordinate with all other Contractors within the project limits for work within the ROW and/or private property and shall make accommodations to not inhibit work by other Contractors.

SECTION V

PERMITS

White Lake Boulevard Water Main Replacement

The following Permits for the Project will be obtained by Collier County or are the Contractor's responsibility to obtain, as noted below. Copies of all obtained Permits shall be made available to the Contractor. It shall be the Contractor's responsibility to read and understand all Permit and Permit Conditions.

1. FDEP Dewatering: The Contractor shall be required to obtain coverage under the Florida Department of Environmental Protection (FDEP) Generic Permit for Discharge of Groundwater from Dewatering Operations prior to discharging produced groundwater from dewatering activities. Alternatively, the Contractor may elect to obtain coverage under the Generic Permit for Stormwater Discharge from Large and Small Construction Activities, which will cover both construction and dewatering operations.
2. Collier County Temporary Use Permit (for storage areas) - To be submitted by the Contractor.
3. Collier County ROW Permit - To be submitted by the County with coordination from the Contractor.

SECTION VI

WHITE LAKE BOUELVARD
WATER MAIN REPLACEMENT

MATERIAL DELIVERY/RETURN CONFIRMATION

NOTE: This form is to be completed by Contractor and County Representative at time of all material delivery to site and at time of all pick up of returned materials. All material shall be reviewed for condition, type, size and quantity. Delivery or pick-up tickets should be attached to form. Additionally, the Collier County Water Distribution Department will be supplying the proposed 24-inch Ductile Iron water main piping as described in the project documents.

DATE: _____

COUNTY REPRESENTATIVE: _____

CONTRACTOR REPRESENTATIVE: _____

MATERIAL DELIVERY OR PICKUP: _____

DELIVERED OR PICKED UP BY: _____

MATERIAL (LIST BELOW)

	<u>ITEM</u>	<u>SIZE</u>	<u>QUANTITY</u>	<u>COMMENTS</u>
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

PROVIDE ADDITIONAL COMMENTS AS NECESSARY: _____

County Representative

Contractor Representative



SECTION VII
WHITE LAKE BOULEVARD
WATER MAIN REPLACEMENT PROJECT
COUNTY PROCURED MATERIALS

MISCELLANIOUS	QTY.	UNIT
24 CL250 CL DI FASTITE PIPE	620	FT
3X1000 UG DET WTR BLUE	1	EA
24 DI BELL REST W/ WDG GLND RNG	8	EA
WATER MAIN FITTINGS		
24 MJ C153 45 BEND L/A	2	EA
24 DI MJ REST 3000 SER W/A	4	EA
OMNI MRKR BLUE F/ WTR	2	EA
24X8 MJ C153 TEE L/A	1	EA
24 DI MJ REST 3000 SER W/A	2	EA
8 PVC WDG REST *ONELOK W/A	1	EA
OMNI MRKR BLUE F/ WTR	1	EA
HYDRANT ASSEMBLY		
24X6 MJ C153 SWVL TEE L/A	3	EA
OMNI MRKR BLUE F/ WTR	3	EA
24 DI MJ REST 3000 SER W/A	6	EA
6 MJ C153 BLT GSKT PK L/ GLAND	3	EA
6 PVC WDG REST *ONELOK W/A	6	EA
6 DI MJ RW OL SS STEM VLV L/A	3	EA
2PC SC CI VLV BX 19-22 WTR	3	EA
3 BRS GATE VLV ID - 6	3	EA
6 C900 DR14 PVC GJ BLUE PIPE	40	FT
5-1/4 VO B84B HYD 4'0 OL L/A	3	EA
BLUE 2W PAVEMENT MRKR W/ PAD *Z	3	EA
ARV ASSEMBLY		
24X2 IP SS TRPL BAND SDL F/ C905	1	EA
OMNI MRKR BLUE F/ WTR	1	EA
LF 2 MIP X FIP BALL CORP	1	EA
LF 2X36 BRS NIP GBL	1	EA
LF 2 FIP X FIP BALL CURB ST LW	1	EA
2X12 PVC S80 NIP	1	EA
2 PVC S80 THRD COUP	1	EA
2 COMB AIR RELEASE VLV	1	EA
PED HSNG F/ AIR RELEASE	1	EA
CONNECT TO EXISTING WATER MAIN		
24X15 MJ C153 LONG SLV L/A	1	EA
24 DI MJ REST 3000 SER W/A	3	EA
8 C900 DR14 PVC GJ BLUE PIPE	20	FT
8X12 MJ C153 LONG SLV L/A	1	EA
8 PVC WDG REST *ONELOK W/A	2	EA