

CITY OF SAFETY HARBOR (THE CITY)			
ADDENDUM '1' OF SOLICITATION IFB 2025-ENG-01 Seminole Park and Mapleway Water Main Replacement Project			
1. SOLICITATION NO.: IFB-2025-ENG-01	2. ADDENDUM NO: 1	3. EFFECTIVE DATE: July 29, 2025	4. CAPITAL IMPROVEMENT PROJECT: Seminole Park and Mapleway Water Main Replacement Project
5. REVISED OFFER SUBMISSION DUE DATE AND TIME: NOT APPLICABLE <i>(Note: Unless identified below, this solicitation amendment does not change the Offer Submission Date and Time.)</i>			
6. REVISED PRE-BID/PROPOSAL CONFERENCE: NOT APPLICABLE			
7. AMENDMENT OF SOLICITATION: The Solicitation identified in Block 1, above, is hereby amended as described in Block 11, below. Except as provided herein, all other provisions of the solicitation, or as heretofore amended, remain unchanged and in full force and effect.			
8. REQUIREMENT TO ACKNOWLEDGE AMENDMENT: Offerors must acknowledge receipt of this amendment prior to the deadline specified in the solicitation for receipt of offers by one of the following methods: a. By signing this amendment in Block 9, below, and returning one signed copy; b. By acknowledging receipt of this amendment on the Solicitation, Offer and Award form WARNING: Failure of an Offeror to acknowledge receipt of this Amendment, as described herein, may result in REJECTION OF THE OFFER. NOTE: For Invitations for Bids the terms "Offer" and Offeror" shall mean "Bid" and "Bidder", respectively; and for Requests for Proposals or Quotation the terms "Bid" and "Bidder" shall mean "Offer" and "Offeror", respectively, in this solicitation and any associated exhibits.			
9. OFFEROR'S ACKNOWLEDGEMENT OF AMENDMENT: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Name & Title: _____ (Print/Type) </div> <div style="width: 45%;"> Signed Acknowledgment: _____ </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> Offeror: _____ </div> <div style="width: 45%;"> Date Acknowledged: ____/____/____ </div> </div>			
10. FOR FURTHER INFORMATION CALL OR EMAIL: Name: Michelle C. Giuliani, Project Manager Telephone: 727-724-1555 Ext. 1706 E-MAIL: mgiuliani@cityofsafetyharbor.com			
11. DESCRIPTION OF AMENDMENT: <u>ADDENDUM '1' INCLUDES:</u> <ol style="list-style-type: none"> 1. SCHEDULE-BID FORM Revised- Addendum #1 to replace previous Schedule-Bid Form. 2. ATTACHMENT '1' TO THE SCHEDULE BID FORM Revised-Addendum #1 to replace previous Attachment '1' to the Schedule Bid Form. 3. <u>Exhibit 'A' Revised Addendum #1- Representatives and Certifications</u> to replace Exhibit 'A'. 4. <u>Exhibit 'C' Revised- Solicitation Instructions and Conditions</u> to replace Exhibit 'C'. 5. <u>Mandatory Pre-Bid Conference Meeting Minutes with Attachments and Sign – In Sheet</u> 6. <u>Traffic Control Plan Sheets Addendum #1 Revised TCP1.01, TCP1.02, TCP1.03, TCP1.04, TCP1.04, TCP1.05, TCP1.06, and TCP1.07</u> to replace previous Traffic Control Plan Sheets. 7. <u>Pinellas County Permit RUP-25-00226</u> 			

CITY OF SAFETY HARBOR (THE CITY)

SCHEDULE – BID FORM Revised- Addendum #1 – Issued 7-29-2025
Capital Improvement Project
Seminole Park and Mapleway Water Main Replacement Project
IFB-2025-ENG-01

CAUTION: A false statement in any offer submitted to the City may be a criminal OFFENSE.

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**THE OFFEROR MUST SIGN AND DATE THIS SCHEDULE WHERE PROVIDED
AND SUBMIT ALL PAGES WITH THE OFFER. REFERENCE ATTACHMENT '1' TO THE SCHEDULE BID FORM.**

The line item unit price(s) must include all costs that the offeror intends to recover, such as, but not limited to: supervision, labor, equipment, materials, vehicle licensing, vehicle title, warehousing, freight, pick-up, financing, carrying charges, and all other such charges to accommodate the supplies/services and delivery requirements. No price adjustments will be made, unless specifically provided for by an additional provision included in this contract.

(A) - BASE BID

ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	EXTENDED PRICE
1	MOBILIZATION / DEMOBILIZATION (MAX. 5%)	1	LS	\$	\$
2	MAINTENANCE OF TRAFFIC & PEDESTRIAN CONTROLS (MAX 5%); Includes Main Street detour and submittal of an FDOT Certified detour plan.	1	LS	\$	\$
3	INSURANCE (3%)	1	LS	\$	\$
4	PERFORMANCE & PAYMENT BONDS	1	LS	\$	\$
5	VIDEO-AUDIO EXISTING CONDITIONS	1	LS	\$	\$
6	2" CERTA-LOK YELOMINE IPS PVC BY OPEN CUT	150	LF	\$	\$
7	4" C-900 PVC DR-18 WATER MAIN BY OPEN CUT	50	LF	\$	\$
8	6" C-900 PVC DR-18 WATER MAIN BY OPEN CUT	800	LF	\$	\$
9	2" CERTA-LOK YELOMINE IPS PVC WATER MAIN BY HDD	1,850	LF	\$	\$
10	4" CERTA-LOK C-900/RJ PVC WATER MAIN BY HDD	550	LF	\$	\$
11	6" CERTA-LOK C-900/RJ PVC WATER MAIN BY HDD	4,550	LF	\$	\$
12	DUCTILE IRON FITTINGS	3.5	TONS	\$	\$
13	1" SINGLE SERVICE CONNECTION (LONG SIDE)	21	EA	\$	\$
14	1" DOUBLE SERVICE CONNECTION (LONG SIDE)	19	EA	\$	\$
15	2" SINGLE SERVICE CONNECTION (LONG SIDE)	1	EA	\$	\$
16	2" DOUBLE SERVICE CONNECTION (LONG SIDE)	1	EA	\$	\$

17	1" SINGLE SERVICE CONNECTION (SHORT SIDE)	22	EA	\$	\$
18	1" DOUBLE SERVICE CONNECTION (SHORT SIDE)	20	EA	\$	\$
19	2" SINGLE SERVICE CONNECTION (SHORT SIDE)	1	EA	\$	\$
20	2" MANIFOLD SERVICE CONNECTION (SHORT SIDE)	1	EA	\$	\$
21	2" MJ RWGV	8	EA	\$	\$
22	4" MJ RWGV	1	EA	\$	\$
23	6" MJ RWGV	55	EA	\$	\$
24	CONCRETE DEADMAN/THRUST BLOCKS	20	EA	\$	\$
25	LOCATE STATIONS	15	EA	\$	\$
26	FIRE HYDRANT ASSEMBLIES WITH 6" RWGV; INCLUDING BLUE REFLECTIVE PAVEMENT MARKERS	8	EA	\$	\$
27	1.75-INCH MILL AND 1.75 INCH SP-9.5 ASPHALT – CITY ROW	1,000	SYD	\$	\$
28	2-INCH MILL AND 2-INCH SP-12.5 ASPHALT – PINELLAS COUNTY ROW	900	SYD	\$	\$
29	FDOT ROW ASPHALT RESTORATION	100	SYD	\$	\$
30	GROUT FILL AND ABANDONMENT OF EXISTING WATER MAINS (4-INCH THROUGH 6-INCH)	30	CYD	\$	\$
31	ABANDONMENT OF EXISTING 2-INCH WATER MAINS	1	LS	\$	\$
32	REMOVAL OF EXISTING FIRE HYDRANT AND CUT AND CAP WATER MAIN	1	LS	\$	\$
33	TEMPORARY SIDEWALK RESTORATION	500	SYD	\$	\$
34	EXCAVATABLE FLOWABLE FILL	210	CYD	\$	\$
35	ADA RAMP RESTORATION	20	EA	\$	\$
36	EXPORT OF UNSUITABLE MATERIALS	500	CYD	\$	\$
37	IMPORT OF SELECT FILL MATERIAL	600	CYD	\$	\$
38	SITE RESTORATION	1	LS	\$	\$
39	VARIABLE/CHANGEABLE MESSAGE BOARDS/SIGNS	2	EA	\$	\$
40	AS-NEEDED CONCRETE SIDEWALK	500	SYD	\$	\$
41	AS-NEEDED CONCRETE CURB/GUTTER	800	LF	\$	\$
42	1" SINGLE/DOUBLE SERVICE CONNECTIONS ALONG OAK STREET	5	EA	\$	\$

TOTAL BASE BID = \$ _____

FAILURE OF THE OFFERER TO PROVIDE PRICES FOR ALL LINE ITEMS LISTED ON BASE BID FORM SHALL BE CAUSE OF REJECTION OF THE ENTIRE OFFER.

COMPLETE AND RETURN WITH BID:

NAME & TITLE OF OFFEROR'S REPRESENTATIVE:

(Print or type)

SIGNATURE & DATE:

(Name & Title)

(Signature of Offeror's Representative)

____/____/____

(Offeror's Name)

Capital Improvement Project
Seminole Park and Mapleway Water Main Replacement Project
IFB-2025-ENG-01
Attachment '1' to the Schedule Bid Form Revised- Addendum #1
Issued 7-29-2025

(a) Pay Items identified below directly correspond Item Numbers identified on the Schedule – Bid Form.

(b) The Contractor acknowledges that it has taken steps reasonably necessary to ascertain the nature and location of the Work and that it has investigated and satisfied itself as to the general and local conditions which can affect the Contract Work or its cost, including, but not limited to; (1) conditions bearing upon transportation, disposal, handling, and storage of materials; (2) the availability of labor, water, electric power, roads rights of way access to the work site and other lands made available by the City for this Project; (3) uncertainties of weather, flooding patterns and water drainage, or similar physical conditions at the site; (4) the conformation and conditions of the ground; and (5) the character of equipment and facilities needed prior to and during work performance. The Contractor acknowledges that its undertaking to complete the Contract within the Contract Schedule includes an allowance for the normal number of days in which contract work may be partially or totally delayed because of weather during the season and at the location the Contract will be performed and that the Contractor shall not be entitled to excusable delays or compensation for such delays. The Contractor also acknowledges that it has satisfied itself as to the character, quality, and quantity of surface and subsurface materials or obstacles to be encountered insofar as this information is reasonably ascertainable from an inspection of the site, access to the site, and territory surrounding the site, including all exploratory work done by the City as well as from the drawings and specifications made a part of this Contract. Any failure of the Contractor to take the actions described and acknowledged in this paragraph will not relieve the Contractor from responsibility for estimating properly the difficulty and cost of successfully performing the work or for proceeding to perform the work successfully without additional expense to the City.

(c) The City assumes no responsibility for any conclusions or interpretations made by the Contractor based on the information made available by the City. Nor does the City assume responsibility for any understanding reached or representation made concerning conditions which can affect the work by any of its officers, employees, engineers or agents before the execution of this Contract, unless that understanding or representation is expressly stated in this contract.

THE FOLLOWING ARE PAY ITEM DESCRIPTIONS FOR THE BASE BID.

PART 1 - GENERAL

1.01 SCOPE OF WORK

- A. This section defines the Work included in each bid item. Payment will be made based on the specified items included in the description in this section for each pay item number.
- B. All prices included in the Bid Form / Schedule of Prices of the Proposal will be full compensation for all labor, supervision, materials, tools, equipment, and incidentals necessary to complete the Work as shown on the Drawings and/or as specified in the Contract Documents. Actual quantities of each item bid on a unit price basis will be determined in the manner established for each item in this section. Payment for all items listed in the Schedule of Prices will constitute full compensation for all work shown and/or specified to be performed under this project.
- C. Unless otherwise noted as a separate bid item, restoration is considered an integral part of the Work, and all bid prices shall include the cost of restoration necessitated by the Work related to that bid item. All existing structures and property including, but not limited to, paving, stabilized roads, drainage piping and ditches, catch basins, head walls, yard culverts, lawns, fences, trees, shrubs, ground areas, walkways, sidewalks, driveways, alleys, curbs, gutters and irrigation systems that are altered, removed or damaged during construction shall be restored to the same or better condition than existed prior to construction at no additional cost to the Owner. The bidder shall hereby be advised that cleanup is an integral part of the restoration process.
- D. The Contractor shall exercise care to preserve and protect existing facilities during construction. All existing structures and private property, including, but not limited to paving, stabilized roads, drainage piping and ditches, catch basins, head walls, yard culverts, lawns, fences, trees, shrubs, ground areas, walkways, driveways, alleys, curbs, gutters and irrigations systems that are altered, removed or damaged during construction and are not included in the proposed alterations of the new work shall be restored to the same or better condition than existed prior to construction.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

3.01 MEASUREMENT AND PAYMENT AND LUMP SUM ITEMS

A. Mobilization /Demobilization (Bid Item #1)

1. This bid item shall include obtaining all permits, securing a staging area in proximity to the work if public lands are insufficient; moving onto the site all materials and equipment; furnishing and erecting temporary buildings, access roads and other items as necessary to complete the work; providing, temporary sanitary facilities and potable water facilities as required for the proper performance and completion of the work.
2. This bid item shall include tree protective barriers, erosion protection, and curb inlet filter socks that must be utilized during the entire project. If erosion, silt or sediment enters City storm inlets and storm sewer pipes during construction process, it's the Contractor's responsibility to clean all storm drains affected at completion of the project. City staff will inspect all storm drains.
3. Work under this contract item shall also include the furnishing of labor, material, tools, equipment, and services to perform those operations necessary for the movement of personnel, equipment, supplies and incidentals to and from the project site and for the establishment and removal of temporary offices, buildings, safety equipment, sanitary facilities and first aid supplies as required by the specifications, and state and local laws and regulations.
4. The cost of required permits unless otherwise stated in the Contract Documents, insurance, construction staking, erosion control, maintenance of traffic, coordination, and scheduling as necessary to the start and completion of the work shall also be included under this Line Item. The cost of all other work as shown and specified that is not specifically included under other line items shall also be included under this line item.
5. Bid price for mobilization shall not exceed 5% of the total base bid.

6. Payment for mobilization will be on an incremental basis in accordance with the following:

Percent of Original Contract Amount	Allowable Percent of the Lump Sum Price for the Item
<u>Earned</u>	<u>Price for the Item</u>
5	25
10	50
25	75
50	90
Submission of AutoCAD As-built Drawings Per Section 01720	100

B. Maintenance of Traffic and Pedestrian Controls (Bid Item #2)

- This bid item shall include preparation of a Maintenance of Traffic and Pedestrian Control plans consistent with the Contractor's work schedule/plan and coordination with through the Project Representative with the Owner and County Traffic Control authority. It shall include the construction and maintenance of any necessary detour facilities, traffic control barriers; providing of necessary facilities for access to residences and businesses, etc. along the project; furnishing, installing and maintaining of traffic control and safety devices during construction, including placement and removal of temporary pavement markings, and signs; temporary wheelchair ramps and any other special requirements for safe and expeditious movement of both vehicular and pedestrian traffic.
- Maintenance of Traffic and Pedestrian Controls shall be per FDOT Standard Specifications for Road and Bridge Construction and FDOT Design Standards, latest edition.
- Contractor shall submit a certified FDOT Detour MOT plan for roadway closures within project area.
- Contractor shall submit a certified FDOT Detour MOT plan for Main Street intersection/roadway closures.
- Bid price for Maintenance of Traffic shall not exceed 5% of the total base bid.

6. Payment for Maintenance of Traffic shall be on an incremental basis in accordance with the following:

Percent of Original Contract Amount <u>Earned</u>	Allowable Percent of the Lump Sum <u>Price for the Item</u>
20	20
40	40
60	60
80	80
100	100

C. Insurance (Bid Item #3)

- Insurance as required by Exhibit D Special Provisions, Contractor's Liability Insurance and Insurance Required, of the Contract Documents. Bid price for Insurance shall not exceed 3% of the total base bid.
- Payment shall be Lump Sum (LS).

D. Performance and Payment Bonds (Bid Item #4)

- A Performance and Payment Bond satisfactory to the City, executed by a surety company authorized to do business in the State of Florida or otherwise secured in a manner satisfactory to the City, in an amount equal to one hundred (100) percent of the Contract Price, as awarded, will be required from the Contractor insuring the faithful performance of the contract and protecting the City from suits for non-payment of debts which might be incurred by a contractor's performance for the City.
- Payment shall be Lump Sum (LS).

E. Video-Audio Existing Conditions (Bid Item #5)

- The Contractor shall provide a Video-Audio Route Survey of existing conditions prior to start of construction. Complete coverage shall include all surface features located within the public right-of-way, easement areas and adjacent private properties within the zone of influence of construction and shall be supported by appropriate audio

description made simultaneously with video coverage. Video shall be of high definition (HD) quality.

2. Payment shall be Lump Sum (LS).

F. 2" Certa-lok Yelomine IPS PVC, 4" and 6" C-900 PVC DR-18 Water Main by Open Cut (Bid Items #6, #7, and #8)

1. The Contractor shall provide all labor, equipment, and ancillary materials for installing water main pipe by the open cut method. The open cut installation of pipe shall include, but may not be limited to:

- a. Excavating the trench;
- b. Maintaining the trench, which shall include dewatering, sheeting, shoring and/or bracing where required;
- c. Furnishing, installing and maintaining all necessary erosion control measures including but not limited to artificial coverings, mowing, sandbagging, slope drains, sediment basins, hay bales, straw, floating silt barrier, staked silt barrier and seeding;
- d. Beveling field-cut joints and pipe shorts;
- e. Furnishing and installing pipe bedding;
- f. Furnishing and installing pipe;
- g. Furnishing and installing joint restraints complete with all tie rods and hardware;
- h. Excavating the existing section of water main to install restraints;
- i. Connecting piping to existing piping; including small diameter (2" or less) piping/fittings and ancillary appurtenances not included in any other bid item;
- j. Backfilling and compacting the trench;
- k. Materials, preparation, hauling, placing, grading, and compacting the approved road base along the width of the pipe trench;
- l. Stabilization and road base for open cut installation shall be included in this bid item.
- m. Performing compaction and density testing;
- n. Hydrostatic pressure testing, pigging/flushing, and cleaning the pipe;
- o. Disinfecting the potable water main pipe;
- p. Performing bacteriological testing of water main pipe where required;
- q. Cleaning up the job site which shall include removing excess materials and debris;

2. Water main testing shall be included in the pipe installation bid.
3. Contractor shall coordinate with City Public Works staff during construction for the shut down of the existing water mains for tie-ins.
4. Payment for installing pipe by the open cut method shall be based on the size and the horizontal distance in linear feet (LF) of water main pipe measured along the top centerline of the pipe in-place complete and acceptable to the Engineer, paid in accordance with the unit price provided on the bid form and/or agreed to in the Schedule of Values.

G. 2" Certa-lok Yelomine IPS PVC, 4" and 6" Certa-Lok C-900/RJ PVC Water Main by HDD (Bid Items #9, #10, and #11)

1. The Contractor shall provide all labor, equipment and materials to furnish and install a 2" Certa-lok Yelomine and the 4" and 6" Certa-Lok C-900 PVC water main pipe by horizontal directional drill (HDD) method. The HDD installation of pipe shall include, but may not be limited to:
 - a. Performing all evaluations and calculations necessary for the proper implementation of the HDD.
 - b. Preparing and implementing the HDD work plan, bentonite management and emergency spill plan;
 - c. Excavating the launch, recovery, intermediate mud and exploratory pits;
 - d. Furnishing, installing and maintaining all necessary erosion control measures including but not limited to artificial coverings, mowing, sandbagging, slope drains, sediment basins, hay bales, straw, floating silt barrier, staked silt barrier and seeding;
 - e. Installing HDD pressure relief/sight wells along the centerline of the pipe alignment;
 - f. Maintaining the pits, which shall include dewatering, barricading, sheeting, shoring, containment, berming and disposal of drill fluid as required or as directed by the Engineer;
 - g. Furnishing the pipe, splines, couplings, O-rings, etc.
 - h. Horizontal directional drilling of pilot bore and pullback of pipe;
 - i. Furnishing and installing the locator wires on the pipe;
 - j. Joining the pipe as required;
 - k. Furnishing and installing adapters as necessary to connect Certa-Lok pipe to other pipe materials, fittings, and valves;

- l. Backfilling and compaction of pits;
- m. Hydrostatic pressure testing, pigging/flushing, and cleaning the pipe;
- n. Disinfecting the potable water main pipe;
- o. Performing bacteriological testing of water main pipe where required;
- p. Cleaning up the job site which shall include removing excess materials and debris;
- q. Connecting piping to existing piping; and
- r. All other ancillary materials, equipment, labor, water, and power required for the complete installation of the piping by HDD method.

2. Water main testing shall be included in the pipe installation bid.
3. Contractor shall coordinate with City Public Works staff during construction for the shut down of the existing water mains for tie-ins.
4. Payment for installing pipe by the HDD method shall be based on the size and horizontal distance in linear feet (LF) of pipe measured along the top centerline of the installed and connected pipe, in place, complete and acceptable to the Engineer, paid in accordance with the unit price provided on the bid form and/or agreed to in the Schedule of Values.

H. Ductile Iron Fittings (Bid Item #12)

1. The Contractor shall provide all labor, equipment and materials to completely furnish and install ductile iron fittings including plugs, caps, bends, sleeves, reducers, tees, crosses, offsets, and mechanical joint restraints. Ductile iron fittings, including joint restraints, such as Megalugs, shall be covered under this bid item. The installation of ductile iron fittings shall include but not be limited to:
 - a. Excavating the trench/pit;
 - b. Maintaining the trench/pit which shall include dewatering and bracing and sheeting where required or as directed by the Engineer;
 - c. Furnishing, installing and maintaining all necessary erosion control measures including but not limited to artificial coverings, mowing, sandbagging, slope drains, sediment basins, hay bales, straw, floating silt barrier, staked silt barrier and seeding;

- d. Furnishing, installing and sealing the fittings with polyethylene encasement of not less than 8 mils thick;
- e. Furnishing and installing restrained joints such as but not limited to wedge action, push on joint restraints, manufactured restrained joints;
- f. Backfilling and compacting the trench/pit and;
- g. All other ancillary materials, equipment, labor, and power required for the complete installation of the ductile iron fittings and joint restraints.

2. Payment shall be made per ton (TONS) for the total weight of fittings installed based on manufacturers standards of each size and type of fittings, less bolts, restraints, and accessories, installed complete with joint restraints and incorporated into the piping system, working, and operating to the satisfaction of the Engineer.

I. 1" Single/Double Service Connection (Long Side) (Bid Items #13, #14)

1. The Contractor shall provide all labor, equipment and ancillary materials for replacing long side water main service laterals.

Services will be connected to existing water meters per Specification Section 01030, 1.24, B.3. Note that in some instances, existing water meters may need to be relocated in order to comply with City Standard Detail.

If an existing service does not have an existing backflow assembly, a backflow assembly is required, and a new water meter box will be installed. If an existing service does have an existing backflow assembly, the existing backflow assembly must be used in the new water meter box.

The replacement of water main service laterals (long side) shall include, but may not be limited to:

- a. Excavating the trench/pit;
- b. Maintaining the trench/pit which shall include dewatering and bracing and sheeting where required;
- c. Furnishing, installing and maintaining all necessary erosion control measures including but not limited to artificial coverings, mowing, sandbagging, slope drains, sediment basins, hay bales, straw, floating silt barrier, staked silt barrier and seeding;

- d. New meter boxes are required for all existing services being connected, per City standard detail.
 - e. Installing a service saddle on the new water main;
 - f. Installing the corporation stop, water service tubing, PVC pipe casing under the roadway, curb stop, meter box and ancillary materials as shown on details;
 - g. Removing the existing meter (if required), meter box and capping water service tubing;
 - h. Connecting the new water service tubing to the existing/new water meter, meter box and connecting the existing/new water meter to the customer's side piping by a Florida Licensed Plumber;
 - i. Backfilling and compacting the trench/pit including regrading the terrain;
 - j. Cleaning up the job site which shall include removing excess materials and debris;
 - k. Re-sodding areas disturbed by construction;
 - l. All other ancillary materials, equipment, labor, and power required for the complete installation of water service lateral piping.
2. Payment shall be made for each (EA) water main service lateral pipe installed complete, working, and operating to the satisfaction of the Engineer paid in accordance with the unit price provided on the bid form and/or agreed to in the Schedule of Values.
- J. 2" Single/Double Service Connection (Long Side) (Bid Items #15 and #16)
1. The Contractor shall provide all labor, equipment and ancillary materials for replacing long side water main service laterals.
- Services will be connected to existing water meters per Specification Section 01030, 1.24, B.3. Note that in some instances, existing water meters may need to be relocated in order to comply with City Standard Detail.
- If an existing service does not have an existing backflow assembly, a backflow assembly is required, and a new water meter box will be installed. If an existing service does have an existing backflow assembly, the existing backflow assembly must be used in the new water meter box.
- The replacement of water main service laterals (long side) shall include, but may not be limited to:

- a. Excavating the trench/pit;
 - b. Maintaining the trench/pit which shall include dewatering and bracing and sheeting where required;
 - c. Furnishing, installing and maintaining all necessary erosion control measures including but not limited to artificial coverings, mowing, sandbagging, slope drains, sediment basins, hay bales, straw, floating silt barrier, staked silt barrier and seeding;
 - d. New meter boxes are required for all existing services being connected, per City standard detail.
 - e. Installing a service saddle on the new water main;
 - f. Installing the corporation stop, water service tubing, curb stop, meter box, new water meter, and ancillary materials as shown on details;
 - g. Removing the existing meter (if required), meter box and capping water service tubing;
 - h. Connecting the new water service tubing to the existing/new water meter, meter box and connecting the existing/new water meter to the customer's side piping by a Florida Licensed Plumber;
 - i. Backfilling and compacting the trench/pit including regrading the terrain;
 - j. Cleaning up the job site which shall include removing excess materials and debris;
 - k. Re-sodding areas disturbed by construction;
 - l. All other ancillary materials, equipment, labor, and power required for the complete installation of water service lateral piping.
2. Payment shall be made for each (EA) water main service lateral pipe installed complete, working, and operating to the satisfaction of the Engineer paid in accordance with the unit price provided on the bid form and/or agreed to in the Schedule of Values.
- K. 1" Single/Double Service Connection, 2" Single Service Connection and 2" Manifold Service Connection (Short Side) (Bid Items #17, #18, #19 and #20)
1. The Contractor shall provide all labor, equipment and ancillary materials for replacing short side water main service laterals.
- Services will be connected to existing water meters per Specification Section 01030, 1.24, B.3. Note that in some instances, existing water meters may need to be relocated in order to comply with City Standard Detail.

If an existing service does not have an existing backflow assembly, a backflow assembly is required, and a new water meter box will be installed. If an existing service does have an existing backflow assembly, the existing backflow assembly must be used in the new water meter box.

The replacement of water main service laterals (short side) shall include, but may not be limited to:

- a. Excavating the trench/pit;
- b. Maintaining the trench/pit which shall include dewatering and bracing and sheeting where required;
- c. Furnishing, installing and maintaining all necessary erosion control measures including but not limited to artificial coverings, mowing, sandbagging, slope drains, sediment basins, hay bales, straw, floating silt barrier, staked silt barrier and seeding;
- d. New meter boxes are required for all existing services being connected, per City standard detail.
- e. Installing a service saddle on the new water main;
- f. Installing the corporation stop, water service tubing, curb stop, meter box, new water meter, and ancillary materials as shown on details;
- g. Removing the existing meter (if required), meter box and capping water service tubing;
- h. Connecting the new water service tubing to the existing/new water meter, meter box and connecting the existing/new water meter to the customer's side piping by a Florida Licensed Plumber;
- i. Backfilling and compacting the trench/pit including regrading the terrain;
- j. Cleaning up the job site which shall include removing excess materials and debris;
- k. Re-sodding areas disturbed by construction;
- l. All other ancillary materials, equipment, labor, and power required for the complete installation of water service lateral piping.

2. Payment shall be made for each (EA) water main service lateral pipe installed complete, working, and operating to the satisfaction of the Engineer paid in accordance with the unit price provided on the bid form and/or agreed to in the Schedule of Values.

L. 2", 4" and 6" MJ RWGV (Bid Items #21, #22, and #23)

1. The Contractor shall provide all labor, equipment and certain materials to completely install all mechanical joint (MJ) resilient wedge gate valves (RWGV). The MJ RWGV installation shall include, but may not be limited to:
 - a. Excavating the trench/pit;
 - b. Maintaining the trench/pit which shall include dewatering and bracing and sheeting where required or as directed by the Engineer;
 - c. Furnishing, installing and maintaining all necessary erosion control measures including but not limited to artificial coverings, mowing, sandbagging, slope drains, sediment basins, hay bales, straw, floating silt barrier, staked silt barrier and seeding;
 - d. Furnishing and installing valves, valve boxes;
 - e. Furnishing and installing mechanical joint restraints;
 - f. Furnishing and installing valve extension rods where necessary;
 - g. Connections to existing piping systems;
 - h. Furnishing and installing brass valve identification tag and valve pad;
 - i. Backfilling and compacting the trench/pit;
 - j. Furnishing paint and painting valve cover and;
 - k. All other ancillary materials, equipment, labor, and power required for the complete installation of valves and appurtenances.
2. Payment shall be made on a per each (EA) basis for the installation of MJ RWGV's installed complete, working, and operating to the satisfaction of the Engineer. Operating satisfactorily includes but is not limited to:
 - a. The valve box and valve is plumb and the valve box is centered on the valve.
 - b. City personnel can insert a valve key through the valve box and completely open and close the valve.

M. Concrete Deadman/Thrust Blocks (Bid Item #24)

1. The Contractor shall provide all labor, equipment and materials to completely furnish and install concrete deadman. The installation of concrete deadman shall include but not be limited to:
 - a. Excavating the trench/pit;
 - b. Maintaining the trench/pit which shall include dewatering and bracing and sheeting where required or as directed by the Engineer;
 - c. Furnishing, installing and maintaining all necessary erosion control measures including but not limited to artificial coverings, mowing, sandbagging, slope drains, sediment basins, hay bales, straw, floating silt barrier, staked silt barrier and seeding;
 - d. Joint restraints, materials, equipment, labor, and power required to furnish and install the reverse dead man/thrust blocks;
 - e. Backfilling and compacting the trench/pit and;
 - f. Restoration
 - g. All other ancillary materials, equipment, labor, and power required for the complete installation of the concrete deadman/thrust blocks.
2. Payment shall be made for each (EA) concrete deadman/thrust block installed complete to the satisfaction of the Engineer.

N. Locate Stations (Bid Item #25)

1. The Contractor shall provide all labor, equipment and materials to completely furnish and install locate stations as shown on the Drawings. The installation of locate stations shall include but not be limited to:
 - a. Excavating the trench/pit;
 - b. Maintaining the trench/pit which shall include dewatering and bracing and sheeting where required or as directed by the Engineer;
 - c. Furnishing, installing and maintaining all necessary erosion control measures including but not limited to artificial coverings, mowing, sandbagging, slope drains, sediment basins, hay bales, straw, floating silt barrier, staked silt barrier and seeding;

- d. Furnishing and installing the locate station at location directed by City Engineer;
 - e. Backfilling and compacting the trench/pit and;
 - f. All other ancillary materials, equipment, labor, and power required for the complete installation of the locate stations
 2. Payment shall be made for each (EA) locate station installed complete, working, and operating to the satisfaction of the Engineer.
- O. Fire Hydrant Assemblies (with 6" RWGV) (Bid Item #26)
 1. The Contractor shall provide all labor, equipment and certain materials to completely install fire hydrant assemblies. The fire hydrant assembly installation shall include, but may not be limited to:
 - a. Excavating the trench/pit;
 - b. Maintaining the trench/pit, which shall include dewatering and bracing and sheeting where required or as directed by the Engineer;
 - c. Furnishing, installing and maintaining all necessary erosion control measures including but not limited to artificial coverings, mowing, sandbagging, slope drains, sediment basins, hay bales, straw, floating silt barrier, staked silt barrier and seeding;
 - d. Furnishing and installing the fire hydrant assemblies including the RWGV, reflective pavement marker(s), surrounding bollards, etc. as shown on the detail drawings
 - e. Backfilling and compacting the trench/pit and;
 - f. All other ancillary materials, equipment, labor, and power required for the complete installation of fire hydrant assemblies.
 - g. The RWGV shall be included in this bid item.
 2. Payment shall be made for the number of each (EA) fire hydrant assembly installed and incorporated into the piping system complete, working, and operating to the satisfaction of the Engineer
- P. 1.75-inch Mill and 1.75-inch SP-9.5 Asphalt - City ROW (Bid Item #27)
 1. The Contractor shall furnish all labor, equipment, and materials to mill, and resurface the roadway with asphalt pavement. The milling and asphalt shall include but may not be limited to:
 - a. Milling for all lanes impacted by construction as shown on the plans;

- b. Removal of excess road base, and re-compacting and the road base.
- c. Materials, preparation, hauling, and placing approved SP-9.5 asphalt pavement in layers over milled area as shown in the Drawings or as specified in the Technical Specifications;
- d. Installing temporary and permanent pavement markings/thermoplastic striping and signing;
- e. All other ancillary materials, equipment, labor, and power required for the complete asphalt restoration of all roads disturbed or damaged by construction.

2. Advanced notification for milling and resurfacing operations is required. Proper MOT shall be implemented during milling and paving operations in accordance with Traffic Control Plans.

3. Temporary striping shall be paint. Final permanent striping shall be thermoplastic.

4. Payment shall be made for the number of square yards (SYD) of roadway milled and resurfaced complete, in place and accepted by the Engineer, paid in accordance with the unit price provided on the bid form and/or agreed to in the Schedule of Values.

Q. 2-inch Mill and 2-inch SP-12.5 Asphalt – Pinellas County ROW
(Bid Item #28)

1. The Contractor shall furnish all labor, equipment, and materials to mill, and resurface the roadway with asphalt pavement. The milling and asphalt shall include but may not be limited to:

- a. Milling for all lanes impacted by construction as shown on the plans;
- b. Removal of excess road base, and re-compacting and the road base.
- c. Materials, preparation, hauling, and placing approved SP-12.5 asphalt pavement in layers over milled area as shown in the Drawings or as specified in the Technical Specifications;
- d. Installing temporary and permanent pavement markings/thermoplastic striping and signing;
- e. All other ancillary materials, equipment, labor, and power required for the complete asphalt restoration of all roads disturbed or damaged by construction.

2. Advanced notification for milling and resurfacing operations is required. Proper MOT shall be implemented during milling and paving operations in accordance with Traffic Control Plans.
3. Temporary striping shall be paint. Final permanent striping shall be thermoplastic.
4. Payment shall be made for the number of square yards (SYD) of roadway milled and resurfaced complete, in place and accepted by the Engineer, paid in accordance with the unit price provided on the bid form and/or agreed to in the Schedule of Values.

R. FDOT ROW Asphalt Restoration (Bid Item #29)

1. The Contractor shall furnish all labor, equipment, and materials to mill, and resurface the roadway with asphalt pavement based on the FDOT roadway restoration (see FDOT construction note 23 on sheet G1.01). Flowable fill for restoration within FDOT ROW shall be included in this bid item. The FDOT ROW asphalt restoration shall include but may not be limited to:
 - a. Milling for all lanes impacted by construction as shown on the plans;
 - b. Removal of excess road base, and re-compacting and the road base.
 - c. Materials, preparation, hauling, and placing approved SP-12.5 and SP-9.5 asphalt pavement in layers over milled area as shown in the Drawings or as specified in the Technical Specifications;
 - d. Installing temporary and permanent pavement markings/thermoplastic striping and signing;
 - e. All other ancillary materials, equipment, labor, and power required for the complete asphalt restoration of all roads disturbed or damaged by construction.
2. Advanced notification for milling and resurfacing operations is required. Proper MOT shall be implemented during milling and paving operations in accordance with Traffic Control Plans.
3. Temporary striping shall be paint. Final permanent striping shall be thermoplastic.
4. Payment shall be made for the number of square yards (SYD) of roadway milled and resurfaced complete, in place and accepted by

the Engineer, paid in accordance with the unit price provided on the bid form and/or agreed to in the Schedule of Values.

S. Grout Fill and Abandonment of Existing Water Mains (4-Inch through 6-inch)
(Bid Item #30)

1. The Contractor shall provide all labor, equipment and materials to abandon existing 4-inch through 6-inch water mains by grout filling. The abandonment of existing water mains shall include, but may not be limited to:
 - a. Disposal of all water in the abandoned line;
 - b. Existing valve boxes on lines to be abandoned shall be removed and restoration within removal area shall be included. City staff shall inspect restoration area.
 - c. Furnishing, installing and maintaining all necessary erosion control measures including but not limited to artificial coverings, mowing, sandbagging, slope drains, sediment basins, hay bales, straw, floating silt barrier, staked silt barrier and seeding;
 - d. Materials and equipment to cut, cap, plug existing water main ends and removal of valve and valve boxes;
 - e. Materials, equipment, labor, and power required to furnish and install flowable fill into the abandoned water mains;
 - f. All other ancillary materials, equipment, labor, water, and power required for the complete abandonment of the existing water mains.
2. Payment for abandonment of water mains shall be on a per cubic yard (CYD) basis of grout that is pump into the abandoned water main complete to the satisfaction of the Engineer.

T. Abandonment of Existing 2-inch Water Mains (Bid Item #31)

1. The Contractor shall provide all labor, equipment and materials to abandon existing 2- inch water mains. The abandonment of existing water mains shall include, but may not be limited to:
 - a. Disposal of all water in the abandoned line;
 - b. Existing valve boxes on lines to be abandoned shall be removed and restoration within removal area shall be included. City staff shall inspect restoration area.
 - c. Furnishing, installing and maintaining all necessary erosion control measures including but not limited to artificial coverings, mowing, sandbagging, slope drains, sediment

- basins, hay bales, straw, floating silt barrier, staked silt barrier and seeding;
 - d. Materials and equipment to cut, cap, plug existing water main ends and removal of valve and valve boxes;
 - e. All other materials, equipment, labor, water, and power required for the complete abandonment of the existing water mains.
2. Payment for abandonment of water mains shall be made on a percent complete basis according to the lump sum (LS) price provided on the bid form and/or agreed to in the Schedule of Values.
- U. Removal of Existing Fire Hydrant and Cut and Cap Water Main (Bid Item #32)
1. The Contractor shall provide all labor, equipment and materials to remove the existing Fire Hydrant and cut and cap the water main. The removal of the existing Fire Hydrant shall include, but may not be limited to: Reference Plan Sheet G2.00.
 - a. Disposal of all water in the abandoned line;
 - b. Furnishing, installing and maintaining all necessary erosion control measures including but not limited to artificial coverings, mowing, sandbagging, slope drains, sediment basins, hay bales, straw, floating silt barrier, staked silt barrier and seeding;
 - c. Materials and equipment to remove the fire hydrant and cut, cap, plug existing water main ends and removal of valve and valve boxes; restoration of removal area will be required. City staff shall inspect restoration area.
 - d. All other ancillary materials, equipment, labor, water, and power required for the complete abandonment of the existing water mains.
 2. Payment for removal of the existing fire hydrant(s) shall be made on lump sum (LS) basis according to the lump sum price provided on the bid form and/or agreed to in the Schedule of Values.
- V. Temporary Sidewalk Restoration (Bid Item #33)
1. The Contractor shall furnish all labor, equipment, and materials to temporarily restore the sidewalk in the project area. The temporary sidewalk restoration shall include but may not be limited to:

- 1 a. Temporary installation of asphalt milling or concrete for
2 sidewalks that are removed for greater than five (5) working
3 days; temporary walkway must be ADA compliant. City staff
4 will inspect temporary installation.
- 5 b. All other ancillary materials, equipment, labor, and power
6 required for the temporary sidewalk restoration of all areas
7 disturbed or damaged by construction which were not
8 covered under any other bid items.
- 9
- 10 2. Payment shall be made as square yards (SYD) basis according to
11 the Schedule of Values for the temporary sidewalk restoration.
12
- 13 W. Excavatable Flowable Fill (Bid Item #34)
14
- 15 1. The Contractor shall provide all labor, equipment, and materials to
16 furnish and install flowable fill in areas of pipe conflicts. The
17 installation of flowable fill shall include, but may not be limited to:
18
- 19 a. Hauling and placing 100 psi excavatable flowable fill meeting
20 the requirements of "FDOT Road and Bridge Construction
21 Specification 121" in areas of pipe conflicts where
22 compaction cannot be performed.
- 23 b. All other ancillary materials, equipment, labor, and power
24 required for the installation and placement of flowable fill in
25 areas of pipe conflicts.
26
- 27 2. Installation of excavatable flowable fill shall be within areas where
28 compaction of backfill cannot be performed, such as, when the water
29 main is installed below an existing storm pipe.
30
- 31 3. Payment shall be made for the number of cubic yards (CYD) of
32 flowable fill placed complete and accepted by the Engineer paid in
33 accordance with the unit price provided on the bid form and/or
34 agreed to in the Schedule of Values. The volume of flowable fill shall
35 be documented with delivery tickets for each truckload.
36
- 37 X. ADA Ramp Restoration (Bid item #35)
38
- 39 1. The Contractor shall furnish all labor, equipment and materials to
40 restore all ADA ramps. The ADA ramp restoration shall include but
41 may not be limited to:
42
- 43 a. Removing all sidewalk and curb impacted by construction;
44 b. Formwork, reinforcement, and installation per details in the
45 Drawings of concrete ADA ramps and ADA detectable

warning mats that were cut, removed or damaged during the course of the construction.

- c. Pre-Pour inspection shall be conducted by City staff.
- d. All other ancillary materials, equipment, labor, and power required for the complete restoration of all ADA Ramps disturbed or damaged by construction.

- 2. Payment shall be made for each (EA) number of ADA ramps restored, in place and accepted by the Engineer, paid in accordance with the unit price provided on the bid form and/or agreed to in the Schedule of Values.

Y. Export Unsuitable Materials (Bid Item #36)

- 1. The Contractor shall furnish all labor, equipment, and materials to export any material determined to be unsuitable for use as a fill material. The Export of Unsuitable Materials shall include but may not be limited to:
 - a. Excavation of the unsuitable materials;
 - b. Loading the unsuitable materials onto a hauling truck;
 - c. Hauling and disposing of the unsuitable materials;
 - d. All other ancillary materials, equipment, labor, and power required for the export of unsuitable materials.
- 2. Measurement will be based on the length and depth of the excavated unsuitable material, confirmed in the field with the City's representative. Payment shall be made based on the number of cubic yards (CYD) of unsuitable material hauled off the project site with the Engineer's concurrence, paid in accordance with the unit price provided on the bid form and/or agreed to in the Schedule of Values.

Z. Import of Select Fill Material (Bid Item #37)

- 1. The Contractor shall furnish all labor, equipment, and materials to import select fill for use as a fill material. The Import of Select Fill Material shall include but may not be limited to:
 - a. Hauling the select fill onto the project site;
 - b. All other required ancillary materials, equipment, labor, and power required to import select fill material.

2. Payment shall be made for the number of cubic yards (CYD) of select fill imported to the project site paid in accordance with the unit price provided on the bid form and/or agreed to in the Schedule of Values. The volume of select fill shall be documented with delivery tickets for each truckload. Payment for backfill, placing and compaction shall not be made under this bid item. Payment for backfilling, placing and compacting the trench shall be included in the unit price bid for installation of the water main.

AA. Site Restoration (Bid Item #38)

1. The Contractor shall furnish all labor, equipment, and materials to restore the entire project area and miscellaneous roadside site restoration. The entire construction site must be restored to an equal or better condition than that which existed prior to construction. The site restoration shall include but may not be limited to:
 - a. Restoration of curb, sidewalk, driveways, sod, roadside restoration and restoration of private property damaged by construction activities;
 - b. Restoring the roadside area and/or private property with approved sod shall include furnishing, grading, placing, fertilizing and water the sod per the Technical Specifications;
 - c. Sidewalk damage and replacement from relief holes will be paid under this bid item.
 - d. Formwork, reinforcement, and installation of concrete/asphalt driveways, curbs, gutters and sidewalks that were cut, removed or damaged during the course of the construction;
 - e. Mailbox post resets, and relocations if necessary.
 - f. Miscellaneous plants, shrubs, and other ornamental plants;
 - g. All other ancillary materials, equipment, labor, and power required for the complete restoration of all areas disturbed or damaged by construction, which were not covered under any other bid items.
2. Payment shall be made on a lump sum (LS) basis according to the Schedule of Values for the complete restoration of all areas disturbed or damaged by construction activities.

BB. Variable/Changeable Message Boards/Signs (Bid Item #39)

1. This bid item shall be required for advance public notifications for work that affects traffic within the project area. Variable/Changeable Message Boards/Signs shall be placed in advance of construction at least one (1) week prior to start and remain until work is complete. This bid item is for furnishing and installing portable Variable/Changeable Message Boards/Signs necessary for the duration of the project. Variable/Changeable Message Boards/Signs shall not be used to display information other than regulatory, warning, and guidance information related to traffic control.
2. Portable Variable/Changeable Message Boards/Signs shall be temporary traffic control devices with the flexibility to display a variety of messages. Each message shall consist of either one or two phases. Typically, a phase shall consist of up to three lines of eight characters per line.
3. When signs are used for route diversion, they should be placed far enough in advance of the diversion to allow road users ample opportunity to exit the affected roadway. The signs should be sited and aligned to ensure legibility. Multiple signs should be placed on the same side of the roadway, separated from each other at distances based on Table 6C-1 of the Manual on Uniform Traffic Control Devices (MUTCD). Variable/Changeable Message Boards/Signs should be placed on the shoulder of the roadway or, if practical, further from the traveled lane. They should be delineated with retroreflective temporary traffic control devices or when within the clear zone, shielded with a barrier or crash cushion. When Variable/Changeable Message Boards/Signs are not being used, they should be removed; if not removed, they should be shielded; or if the previous two options are not feasible, they should be delineated with retroreflective temporary traffic control devices.
4. Payment shall be made for each (EA) Variable/Changeable Message Boards/Signs needed for the project duration.

CC. As-needed Concrete Sidewalk (Bid item #40)

1. The Contractor shall furnish all labor, equipment and materials to remove and replace sidewalk on an as-needed basis at the request of the Owner. Note that this bid item is not for sidewalks damaged due to construction activities. Sidewalks removed, cut, damage by construction activities shall be measured and paid by the Site Restoration Bid Item No. 38. The removal and replacement of sidewalks on an as-needed basis shall include but may not be limited to:
 - a. Contractor to review and perform site walk with City staff to identify as-needed concrete sidewalk area;
 - b. Demolition and removal of existing sidewalk;
 - c. Materials, preparation/grading, formwork, reinforcement and installation of sidewalk as shown in the Drawings or as specified in the Technical Specifications per Section 02530;
 - d. All other ancillary materials, equipment, labor, and power required for the complete replacement of miscellaneous sidewalk requested by the City.
2. Payment shall be made for the number of square yards (SYD) of sidewalk complete, in place and accepted by the Engineer, paid in accordance with the unit price provided on the bid form and/or agreed to in the Schedule of Values.

DD. As-Needed Concrete Curb/Gutter Curb (Bid item #41)

1. The Contractor shall furnish all labor, equipment and materials to remove and replace concrete curb/gutter on an as-needed basis at the request of the Owner. Note that this bid item is not for curbs/gutters damaged due to construction activities. Curbs/gutters removed, cut, damage by construction activities shall be measured and paid by the Site Restoration Bid Item No. 38. The removal and replacement of curbs/gutters on an as-needed basis shall include but may not be limited to:
 - a. Contractor to review and perform site walk with City staff to identify as-needed concrete curb/gutter;
 - b. Demolition and removal of existing curb/gutter;
 - c. Materials, preparation/grading, formwork, reinforcement and installation of curb/gutter as shown in the Drawings or as specified in the Technical Specifications per Section 02530;
 - d. All other ancillary materials, equipment, labor, and power required for the complete replacement of miscellaneous curb/gutter requested by the City.
2. Payment shall be made for the number of linear feet (LF) of curb/gutter complete, in place and accepted by the Engineer, paid in accordance with the unit price provided on the bid form and/or agreed to in the Schedule of Values.

EE. 1" Single/Double Service Connections Along Oak Street. (Bid Items #42)

1. The Contractor shall provide all labor, equipment and ancillary materials for replacing the water main service laterals up to the meter and installing the water service lateral in private property (up to 200') to the point of connection in the rear of the properties along Oak Street as shown on Drawings C1.12 and C1.13. The Owner/Engineer has already located the existing water meters, which are located in the rear (back) of the properties. The path of the water service lateral in private property as shown on Drawing C1.12 and C1.13 is based on information obtained in the field by the Owner/Engineer, but should be considered as "conceptual".
2. Through the use of a licensed plumber, the Contractor shall adjust the path/alignment of the water service lateral in private property to minimize disruption/removal of trees, pavers, plants, shrubs, and etc., which may be located in the backyards of the properties along Oak St. The replacement of water main service laterals shall include, but may not be limited to:

- a. Excavating the trench/pit;
 - b. Maintaining the trench/pit which shall include dewatering and bracing and sheeting where required;
 - c. Furnishing, installing and maintaining all necessary erosion control measures including but not limited to artificial coverings, mowing, sandbagging, slope drains, sediment basins, hay bales, straw, floating silt barrier, staked silt barrier and seeding;
 - d. Installing a service saddle on the new water main;
 - e. Installing the corporation stop, water service tubing, PVC pipe casing under the roadway, curb stop, meter box and ancillary materials as shown on the details;
 - f. Removing the existing meter (if required), meter box and capping water service tubing;
 - g. Connecting the new water service tubing to the new water meter and meter box;
 - h. Installing new water service tubing up to 200' from the new water meter/meter box to the rear (back) of the property and connecting the new water service tubing to the customer's side piping by a Florida Licensed Plumber;
 - i. Backfilling and compacting the trench/pit including regrading the terrain;
 - j. Cleaning up the job site which shall include removing excess materials and debris;
 - k. Re-sodding (no seeding) areas disturbed by construction including restoring private property ; Sod shall be replaced in-kind. The type of sod shall be determined prior to construction for replacement in-kind. Meeting with resident will be required prior to starting work.
 - j. Restoring disturbed landscaping, if required.
 - l. All other ancillary materials, equipment, labor, and power required for the complete installation of water service lateral piping in the right of way and in private property.
2. Payment shall be made for each water main service lateral pipe installed complete, working, and operating to the satisfaction of the Engineer paid in accordance with the unit price provided on the bid form and/or agreed to in the Schedule of Values.

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END OF SECTION

NAME & TITLE OF OFFEROR'S REPRESENTATIVE: (Print or type)	SIGNATURE & DATE:
<div></div> (Name & Title)	<div></div> / <div></div> / <div></div> (Signature of Offeror's Representative)
<div></div> (Offeror's Name)	

7

EXHIBIT 'A'- REVISED Addendum #1: Issued July 29, 2025
REPRESENTATIONS AND CERTIFICATIONS

** NOTE: THIS FORM MUST BE COMPLETED AND RETURNED WITH THE OFFER **

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REPRESENTATIONS

1. Prohibition Against Contingent Fee

Except for full-time bona fide employees working solely for the Offeror, the Offeror represents as part of its offer that it (Mark one with an "X"):

☐ has ☐ has not

been employed or retained any company or persons to solicit or obtain this contract, and (Mark one with an "X"):

☐ has ☐ has not

paid or agreed to pay any person or company employed or retained to solicit or obtain this contract any commission, percentage, brokerage, or other fee contingent upon or resulting from the award of this contract.

2. Interest of Public Officers/Covenant against Gratuities

The Offeror represents as part of its offer that no employee, official, or City Commissioner is or will be pecuniarily interested or benefited directly or indirectly in this contract. The Offeror further represents and warrants that it has not offered or given gratuities (in the form of entertainment, gifts, or otherwise) to any employee, official, or City Commissioner with a view toward securing favorable treatment in the awarding, amending, or evaluating the performance of any contract resulting from the solicitation. For breach of any representation or warranty in this clause, the City shall have the right to terminate this contract without liability and/or have recourse to any other remedy it may have at law.

3. Parent Company and Identifying Data

(a) The Offeror represents as part of its offer that it (Mark one with an "X"):

☐ is ☐ is not

owned or controlled by a parent company. A parent company, for the purpose of this provision, is one that owns or controls the activities and basic business policies of the Offeror. To own the Offeror means that the parent company must own more than 50 percent of the voting rights in the Offeror. A company may control an Offeror as a parent even though not meeting the requirements for such ownership if the company is able to formulate, determine, or veto basic policy decisions of the Offeror through the use of dominant minority voting rights, use of proxy voting, or otherwise.

--

NAME OF PARENT COMPANY AND MAIN OFFICE ADDRESS (INCLUDE ZIP AND PHONE):

--

☐ an individual ☐ a sole proprietorship

☐ a partnership ☐ a corporation

☐ another entity .

--

☐ less than \$500K ☐ \$500K - \$2 mil. ☐ \$2 mil. - \$5 mil. ☐ more than \$5 mil.

(3) No attempt has been made or will be made by the Offeror to induce any other person or firm to submit or not to submit an offer for the purpose of restricting competition.

(b) Each person signing this offer certifies that:

(1) He/she is the person in the Offeror's organization responsible within that organization for the decision as to the prices being offered herein and that he has not participated, and will not participate, in any action contrary to (a)(1) through (a)(3) above; or

(2) He/she: (i) is not the person in the Offeror's organization responsible within that organization for the decision as to the prices being offered herein but that he has been authorized in writing to act as an agent for the persons responsible for such decision in certifying that such persons have not participated, and will not participate, in any action contrary to (a)(1) through (a)(3) above, and as their agent does hereby so certify; and (ii) has not participated, and will not participate, in any action contrary to (a)(1) through (a)(3) above.

6. Collusion & Interest of Offeror

By offering a submission to this request the Offeror certifies:

(a) No attempt has been made or will be made by the Offeror to induce any other person or entity to submit or not to submit an offer for the purpose of restricting competition;

(b) The only person interested in this contract as principal or principals is/are named therein and that no person other than therein mentioned has any interest in this contract to be entered into; and

(c) The Offeror warrants that he or she has not employed or retained any company or person, other than a bona fide employee working solely for the Offeror, to solicit or secure this agreement and that it has not paid or agreed to pay any person, company, corporation, individual, or firm, other than a bona fide employee working solely for the Offeror, any fee, commission, percentage, gift or other consideration contingent upon or resulting from the award or making of this agreement.

7. Communication Policy and Certification

(a) All oral and written communications with the City regarding this solicitation should be exclusively with the Contracting Officer identified in this solicitation, or with his or her designee. Discussions or communications with any other person could result in disclosure of proprietary or other competitive sensitive information or otherwise create the appearance of impropriety or unfair competition and, thereby, compromise the integrity of the City's procurement system.

(b) By submission of this offer, the Offeror certifies that it has not, and will not prior to contract award, communicate orally or in writing with any City employee or other representative (including contractors, or consultants) other than the Contracting Officer listed in the solicitation or his or her designee, except as described below: (CHECK "NONE" IF NONE EXISTS.)

☐ **NONE**

Name of City Representative

Date and Subject of Communication

(c) This certification concerns a material representation of fact upon which reliance will be placed in awarding a contract. If it is later determined that the Offeror knowingly rendered an erroneous certification, in addition to any other remedies the City may have, the City may terminate the contract resulting from this solicitation for default and/or recommend that the Offeror be debarred or suspended from doing business with the City and/or have recourse to any other remedy it may have at law.

(d) The Offeror shall provide immediate written notice to the City if, at any time prior to contract award, he/she learns that its certification was, or a subsequent communication makes, the certification erroneous.

8. Conflict of Interest Certification

By submission of this offer, I certify that:

(a) I have read and understand the Solicitation Instructions and Conditions clause entitled "Code of Ethics." that will be incorporated into any contract resulting from this solicitation. I further understand that the pecuniary interest in that clause includes employment relationships.

(b) The requirements of this certification have been passed through to all first-tier subcontractors or subconsultants anticipated to be used at the time of the submission of my offer.

9. Non-Discrimination Assurance

The Offeror certifies that it will not discriminate on the basis of race, color, national origin or sex in the performance of this contract. The Offeror understands that it is required to insert such a certification in all subcontracts and purchase orders. Failure by the Offeror to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the City deems appropriate. The Offeror further agrees by submitting this offer that it will include this certificate, without modification, in all subcontracts and purchase orders.

10. Drug-Free Workplace

(a) Equal preference shall be given to vendors submitting a certification with their offer certifying that they have a drug-free workplace program in accordance with Section 287.087, Florida Statute.

(b) Whenever two or more offers are equal with respect to price, quality and services are received, an offer received from a business that certifies that it has implemented a Drug-Free Workplace Program shall:

(i) Publish a statement notifying employees that the unlawful manufacturer, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition;

(ii) Inform employees about the dangers of drug abuse in the workplace, the business' policy of maintaining a drug-free workplace, and any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations;

(iii) Give each employee engaged in providing the commodities or contractual services that are under solicitation, a copy of the statement specified in paragraph (a);

(iv) In the statement specified in paragraph (a), notifying the employees that, as a condition of working on the commodities or contractual services that are under solicitation, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction;

(v) Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by an employee who is so convicted; and

(vi) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

(c) As the person authorized to sign this statement, I certify and state under oath that this firm complies fully with the above requirements.

11. The Offeror affirms and declares:

(a) That the Offeror is licensed to do business within the State of Florida and the City of Safety Harbor, Florida.

(b) That the Offeror is registered with the Pinellas County Construction Licensing Board in the areas required to construct the project.

(c) That the Offeror has the capability to assure completion of the required services within the time specified under this contract.

(d) That the Offeror presently has necessary facilities, financial resources and licenses to complete the work in a satisfactory manner and within the required time.

(e) The Offeror will perform a minimum of fifty percent (50%) of the contracted work with its own workforce.

(f) That the Offeror is of lawful age and that no other person, firm or corporation has any interest in this solicitation or any impending contract thereof.

(g) That the Offeror is not in arrears to the City upon debt or contract and is not defaulting as surety or otherwise upon any obligation to the City.

(h) Upon award of this solicitation, the Offeror acknowledges and agrees that its signature on all required forms constitutes a binding contract on the terms stated herein effective upon award.

12. Compliance with Occupational Safety and Health Act (O.S.H.A.)

In instances where such is applicable due to the nature of the work with which this Contract is concerned, all material, equipment, etc., as proposed, offered, and utilized in performance of the contract by the Offeror must meet and conform to all O.S.H.A. requirements; the Offeror's signature upon the bid form submitted is hereby considered a certification of such fact.

13. National Pollutant Discharge Elimination System (NPDES).

The Offeror represents and warrants that it has received and agrees to be bound by the NPDES best management practices contractor education and training as set forth and distributed by the City, which may be amended by the City from time to time. Refer to NPDES Attachment to Exhibit 'A'. Must be signed by Contractor.

14. Florida Trench Safety Act

The undersigned acknowledges the requirements of the Florida TRENCH Safety Act, Section 553.60 *et. seq.* and hereby commits the Offeror to the following in the performance of the work in the event that the subject contract involves dredging a trench of more than five (5) feet.

(a) The Offeror further acknowledges that the Florida Trench Safety Act establishes the federal excavation safety standards set forth at 29 CFT Part 1926, Subpart P, as the state standard.

(b) The Offeror shall comply with all applicable excavation/trench safety standards.

(c) The Offeror shall consider the geotechnical data available from the City, if any, the Offeror's own sources, and all other relevant information in its design of the trench safety system to be employed on the subject project. The Offeror acknowledges sole responsibility for the selection of the data on which it relies in designing the safety system, as well as for the system itself.

(d) The amount that the Offeror has set forth for pipe installation includes the following excavation/trench safety measures and the linear feet of trench excavated under each safety measure. These units, costs, and unit prices shall be disclosed solely for the purpose of compliance with procedural requirements of the Act. No adjustment to the Contract time or price shall be made for any difference in the number of linear feet of trench excavation, except as may be otherwise provided in this Contract.

	Trench Safety Measure (Description)	Units of Measure (LF, SF)	Unit (Quantity)	Unit Cost	Extended Cost
(i)	_____	_____	_____	_____	_____
(ii)	_____	_____	_____	_____	_____
(iii)	_____	_____	_____	_____	_____
(iv)	_____	_____	_____	_____	_____

(e) For Information Only, Not for Payment Purposes \$_____. Failure to complete the above may result in the bid being declared non-responsive. This cost disclosure may be supplemented as necessary.

(f) The amount disclosed as the cost of compliance with the applicable trench safety requirements does not constitute the extent of the Offeror's obligation to comply with said standards. Offeror shall expend additional sums at no additional cost to the City, if necessary, to comply with the Florida TRENCH Safety Act (except as may otherwise be provided).

(g) Acceptance of the offer to which this certification and disclosure applies in no way represents that the City or its representatives have evaluated and thereby determined that the above costs are adequate to comply with the applicable trench safety requirements nor does it in any way relieve the Offeror of its sole responsibility to comply with the applicable trench safety requirements.

15. U.S. Department of Homeland Security Employment Eligibility

Effective January 1, 2021, the Contractor shall use the U.S. Department of Homeland Security's E-verify system to verify the employment eligibility of all new employees hired by offeror during the contract term who perform employment duties under any resulting contract to this solicitation and that any subcontracts will include an express requirement that subcontractors performing work or providing services pursuant to any resulting contract to this solicitation utilize the E-verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.

16. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion

(1) The offeror certifies to the best of its knowledge and belief that it and its principals:

- (i) are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any governmental department or agency;
- (ii) have not within a three-year period preceding this offer been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state, or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes, or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- (iii) are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (federal, state, or local) with commission of any of the offenses enumerated in paragraph (1)(ii) of this certification; and
- (iv) have not within a three-year period preceding this offer had one or more public transactions (federal, state, or local) terminated for cause or default.

(2) Where the offeror is unable to certify to any of the statements in this certification, the offeror shall attach an explanation.

17. Scrutinized Companies Certification

By executing this certification, the contract associated with this solicitation and each and every renewal thereof (if renewal is separately provided for herein), pursuant to section 287.135, Florida Statutes, the offeror certifies, represents, and warrants that: (a) it is not on the Scrutinized Companies with Activities in Sudan List, (b) it is not on the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, (c) that it does not have business operations in Cuba or Syria, and (d) that it is not participating in a boycott of Israel, and that all such certifications are true as of the time offeror submitted its bid or proposal and as of the effective date of any renewal. Notwithstanding anything contained in this solicitation to the contrary, the City may terminate the contract resulting from this solicitation immediately if: (1) the offeror is found to have submitted a false certification regarding (a) – (d) above in accordance with section 287.135(5), Florida Statutes, or (2) the offeror is found to have been placed on the Scrutinized Companies that Boycott Israel List as that term is defined and such list is maintained pursuant to Section 287.135, Florida Statutes, or is otherwise engaged in a boycott of Israel. Such termination shall be in addition to any and all remedies available to the City at law. The provisions of this section shall only apply if the contract total is in excess of one million U.S. dollars (\$1,000,000.00).

18. No Affiliation with Foreign Countries of Concern

By executing this Certification, the contract associated with this solicitation and each and every renewal (if renewal is separately provided for herein), if this contract would grant Offeror access to an individual's personal identifying information, pursuant to section 287.138, Florida Statutes, Offeror certifies, represents, and warrants that it is not affiliated with a foreign country of concern, as such countries are identified in section 287.138(1), Florida Statutes.

Offeror certifies, represents, and warrants that: (a) Offeror is not owned by a foreign country of concern; (b) the government of a foreign country of concern does not have a controlling interest in Offeror; and (c) Offeror is not organized under the laws of or has its principal place of business in a foreign country of concern. Pursuant to section 286.101, Florida Statutes, the Offeror shall disclose any current or prior interest of, any contract with, or any grant or gift received from a Foreign Country of Concern, as defined below, if such interest, contract, or grant or gift has a value of \$50,000 or more and such interest existed at any time or such contract or grant or gift was received or in force at any time during the previous five (5) years. For purposes of this section, "Foreign Country of Concern" means the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolas Maduro, or the Syrian Arab Republic, including any agency of or any other entity under significant control of such foreign country of concern. Offeror's disclosure shall include the name and mailing address of the disclosing entity, the amount of the contract or grant or gift or the value of the interest disclosed, the applicable foreign country of concern and, if applicable, the date of termination of the contract or interest, the date of receipt of the grant or gift, and the name of the agent or controlled entity that is the source or interest holder. Offeror represents that within one (1) year before proposing any contract to the City, Offeror provided a copy of such disclosure to the Florida Department of Financial Services.

19. No Issuance of Identification Documents

Pursuant to section 166.246, Florida Statutes, Offeror represents that it does not issue identification documents to individuals who do not provide proof of lawful presence in the United States.

20. Anti-Human Trafficking

By executing this Certification, the contract associated with this solicitation and each and every renewal hereof (if renewal is separately provided for herein), pursuant to section 787.06, Florida Statutes, Offeror certifies, represents, and warrants that it does not use coercion for labor services, as those terms are defined in section 787.06. Offeror will provide to the City an affidavit signed by an officer or representative of Offeror under penalty of perjury attesting that Offeror does not use coercion for labor or services. Notwithstanding anything contained in this Agreement to the contrary, the City may terminate this Agreement immediately if Offeror is found to have submitted a false attestation. Such termination shall be in addition to any and all remedies available to the City at law or in equity.

**SIGNATURE BLOCK FOR ALL
REPRESENTATIONS & CERTIFICATIONS**

NAME OF OFFEROR & ADDRESS (INCLUDE ZIP &
PHONE)

Signature:

TYPE NAME:

DATE:

OFFERORS MUST SET FORTH FULL, ACCURATE AND COMPLETE INFORMATION AS REQUIRED BY THIS SOLICITATION (INCLUDING THIS ATTACHMENT). FAILURE TO DO SO MAY RENDER THE OFFER NONRESPONSIVE OR UNACCEPTABLE.

(Acknowledgement of Offeror, if a Corporation)

STATE OF _____)
 SS:
 _____ COUNTY)

On this ____ day of _____, 20____, the undersigned personally appeared before me, by means of (check one) ☐ physical presence or ☐ online notarization, who is personally known to me or who has produced _____ as identification.

WITNESS my hand and official stamp the date aforesaid. _____
 Notary Public, State of _____ at _____
 Large: _____
 No. _____
 My Commission Expires: _____

(Acknowledgement of Offeror, if a Partnership)

STATE OF _____)
 SS:
 _____ COUNTY)

On this ____ day of _____, 20____, the undersigned personally appeared before me, by means of (check one) ☐ physical presence or ☐ online notarization, unknown to me but identified by _____. The individual who executed the foregoing instrument as one of the members of the firm of _____, and he acknowledged to me that he executed the same, as and for the act and deed of said firm, for the uses and purposes therein expressed.

WITNESS my hand and official stamp the date aforesaid. _____
 Notary Public, State of _____ at _____
 Large: _____
 No. _____
 My Commission Expires: _____

(Acknowledgement of Offeror, if an Individual)

STATE OF _____)
 SS:
 PINELLAS _____)

On this ____ day of _____, 20____, the undersigned personally appeared before me, by means of ☐ physical presence or ☐ online notarization, unknown to me but identified by _____. The person who executed the foregoing instrument and acknowledged that he executed the same for the uses and purposes therein expressed.

WITNESS my hand and official stamp the date aforesaid. _____
 Notary Public, State of _____ at _____
 Large: _____
 No. _____
 My Commission Expires: _____

EXHIBIT 'C' - REVISED Addendum #1: Issued July 29, 2025
SOLICITATION INSTRUCTIONS AND CONDITIONS

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1. Heading and Section References

The headings and section references in the Contract Documents are inserted only for the purpose of convenience and shall not be construed to expand or limit the provisions contained in such sections.

2. Acknowledgment of Addenda

This solicitation shall only be amended by written addendum issued by the City.

(a) If this Solicitation is amended through the issuance of an addendum, then all terms and conditions which are not modified remain unchanged.

(b) No interpretation of the meaning of the plans, specifications, or other Contract Documents will be valid unless set forth in writing by the City. All requests for such interpretation must be in writing addressed to the Contracts Specialist. The Offeror submitting the request will be responsible for the prompt delivery of any such requests. To be given consideration, such request must be received at least five (5) working days prior to the date and time established for receipt of offers. Any and all such interpretations and any supplemental instructions will be in the form of an addendum. The City will endeavor to provide any such addendum to Offerors no later than three (3) days prior to the date and time established for receipt of offers.

(c) The City will not be responsible for any other explanation or interpretation of this Solicitation made or given prior to the award of the contract. Failure of any Offeror to receive any such addendum shall not relieve said Offeror from any obligation under his submitted offer.

(d) Offerors shall acknowledge receipt of any addendum to this Solicitation: (1) by signing and returning the addendum; or (2) by identifying the addendum number and date in the space provided for this purpose on the Solicitation, Offer and Award Form. The City must receive the acknowledgment by the time and at the place specified for receipt of offers.

(e) All addenda so issued shall become a part of the Contract Documents. Any objections to this Solicitation or any addenda thereto must be filed in writing with the City prior to the date and time set for receipt of offers.

3. City-Furnished Property

No material, labor, or facilities will be furnished by the City unless otherwise provided for in this Solicitation.

4. Exceptions/Deviations

Exceptions to, or variances from, any portion of the Solicitation, including but not limited to the Statement of Work/Specification, contract terms and conditions, contained in a submitted offer shall not be considered. Offerors are strongly encouraged to contact the person identified in Block 3 of the Solicitation, Offer and Award Form well in advance of the deadline for receipt of offers with any proposed changes to the City's terms and conditions.

5. Bid Opening and Public Review

Every bid properly delivered within the time fixed for receiving bids will be opened and the name of each bidder and bid amount shall be publicly read aloud. The public may attend the bid opening, but may not immediately review any bids submitted until the City provides a notice of intended decision or thirty (30) days after the opening of the bids, whichever occurs first. After such time, all bids submitted are public records subject to production unless specifically exempted by Florida Statutes. Bids which contain information that is "trade secret" as defined in Section 812.081, Florida Statutes, or that is otherwise confidential or exempt by Florida Statutes shall be designated as such by the Offeror and the trade secret, confidential, or exempt information shall be specifically identified by the Offeror. However, any information marked as "trade secret," "confidential," or "exempt" may be produced by the City in response to a public records request if the City determines that the information does not meet the definition of "trade secret" in Section 119.0715, Florida Statutes, or is not otherwise confidential or exempt under Florida Statutes.

6. Award of Contract

(a) The contract will be awarded to the Offeror whose offer, conforming to the Solicitation requirements is most advantageous to the City, price and other factors considered. Nothing contained herein shall be construed as creating any entitlement to award or property interest to the low-bidder. The City shall have the sole discretion to determine which Offeror, if any shall be awarded the contract.

(b) The contract will be awarded to the Offeror who submitted the most responsive and responsible offer for the City which conforms to the requirements imposed by this Solicitation, provided said request is considered (within the sole discretion of the City) reasonable and in the best interest of the City to accept. A responsible Offeror is one who affirmatively demonstrates to the City that the Offeror has adequate financial resources and the requisite capacity, capability, and facilities to perform the contract within the delivery period or period of performance, has a satisfactory record of performance on other comparable projects, has a satisfactory record of integrity and business ethics, and is otherwise qualified and eligible to receive award under the solicitation and laws or regulations applicable to the procurement. The City in its sole discretion, will determine whether or not an Offeror is a responsible Offeror.

(c) The contract will be awarded by the City to the Offeror submitting the best offer for the City, as determined solely by the City, and in compliance with the Specifications, and other requirements imposed by this Solicitation, provided said offer is considered (within the sole discretion of said City) reasonable and in the best interest of the City to accept.

(d) The City reserves the right to reject any or all offers in part or in total for any reason, with or without cause, to accept any offer if considered best for its interest, and to waive informalities and minor irregularities in offers received.

(e) The City may accept any item or group of items of any offer, unless the Offeror qualifies the offer by specific limitations. Unless otherwise provided in this Solicitation, offers may be submitted for any quantities less than those specified, and the City reserves the right to make an award on any item for a unit quantity less than the quantity offered at the unit prices offered unless the Offeror specifies otherwise in the offer.

(f) A written award (or acceptance of offer) which is mailed, e-mailed or otherwise furnished to the successful Offeror within the time for acceptance specified in the Solicitation shall be deemed to result in a binding contract without further action by either party.

(g) The City may, within the time specified therein, accept any offer or part thereof, as provided in (c) above, whether or not there are negotiations subsequent to its receipt, unless the offer is withdrawn by written notice received by the City prior to award. If subsequent negotiations are conducted, they shall not constitute a rejection or counter offer on the part of the City.

(h) The City may award a contract based on the initial price received from the highest evaluated Offeror without discussion.

(i) Any financial data submitted with any offer hereunder or any representation concerning facilities or financing will not form a part of any resulting contract; provided, however, that if the resulting contract contains a clause providing for price reduction for defective cost or pricing data, the contract price will be subject to reduction if cost or pricing data furnished hereunder is incomplete, inaccurate, or not current.

7. Rights of City in Invitation for Bid Process

The City may investigate the qualifications of any Offer under consideration. The City may require confirmation of information furnished by a Offeror, and require additional evidence of qualifications to perform the work described in this solicitation. In addition to any rights conveyed by Florida law, the City specifically reserves the right to:

- Disqualify any Offeror
- Reject any or all of the Offers, in its sole and absolute discretion
- Remedy errors in this solicitation
- Cancel the entire solicitation
- Issue subsequent solicitations
- Rank firms and negotiate with the highest ranking firms
- Select the offer(s) it believes will serve the best interest of the City
- Appoint evaluation committees to review offers
- Seek the assistance of outside technical experts to review offers
- Approve or disapprove the use of particular Subcontractors and Suppliers
- Establish a short list of Offerors eligible for discussions after review of written offers
- Solicit best and final offers (BAFO) from all or some of the Offerors
- Determine whether or not a Offeror is a responsible offeror
- Reject any part of a bid
- Negotiate with any, all, or none of the Offerors
- Award a contract to one or more Offerors
- Accept other than the lowest priced offer
- Request any necessary clarifications or offer data without changing the terms
- Disqualify the Offeror upon evidence of collusion with intent to defraud or other illegal practices on the part of the Offerors
- Waive any informalities or irregularities in any offer, to the extent permitted by law
- Make selection of the Offeror to perform the services required on the basis of the original bids without negotiation

This solicitation does not bind or commit the City to enter into a contract with any of the Offerors and does not create any property interest or expectation of any award.

8. Qualification of Subcontractors, Material Men, and Suppliers

(a) Each Offeror shall submit to the City an executed Summary of Subcontractor(s)/Subconsultant(s)/Supplier(s) (Attachment 1 to Exhibit C) form listing each proposed subcontractor when the initial offer to the City's solicitation is due. The submission of this information is considered an issue of responsibility, and the City will not award a contract to any Offeror who has not supplied this documentation. The City will notify the Offeror in writing if the City, after due investigation, has reasonable objection to any subcontractor, person or organization on such list. Acceptance of any

such subcontractor, person or organization shall not constitute a waiver of any right of the City to reject defective work, material or equipment, or work, material or equipment not in conformance with the requirements of the contract.

(b) The Summary of Subcontractor(s)/Subconsultant(s)/Supplier(s) (Attachment 1 to Exhibit C) form listing each proposed subcontractor shall constitute a representation by the Offeror to the City that it believes such firm is ready, willing, and able to perform the work indicated. It shall also represent a commitment by the Offeror that if it is awarded the contract, it will enter into a subcontract with such subcontractor for the work described at the approximate price set forth in the Summary of Subcontractor(s)/Subconsultant(s)/Supplier(s) (Attachment 1 to Exhibit C) form.

(c) Except as authorized by the City, the successful Offeror shall enter into formal agreements with the subcontracting firms shown in the submitted Summary of Subcontractor(s)/Subconsultant(s)/Supplier(s) form(s) within ten (10) business days after receipt of a contract executed by the City.

(d) The subcontractor listed on the Summary of Subcontractor(s)/Subconsultant(s)/Supplier(s) form is required to perform the work indicated with its own work force.

(e) The Offeror shall be required to perform or exercise responsibility for at least fifty (50) percent of the total cost of its contract with its own workforce. No qualification of subcontractors shall be construed to alter this requirement.

9. Cancellation of Solicitation

This Solicitation may be cancelled by the City at any time prior to award, whether before or after receipt of offers.

10. Discounts

Prompt payment discounts will not be considered in evaluating offers for award.

11. Late Submissions, Modifications, and Withdrawals of Offers

(a) Under no circumstances will offers or modification of offers delivered after the delivery time and date specified for receipt of offers be considered. Late offers will be returned to the Offeror unopened with the notation: "This offer was received after the delivery time and date designated for receipt of offers for this solicitation."

Any offer received at the office designated in the solicitation after the exact time specified for receipt will not be considered unless it is received before award is made, and it was timely delivered to the City in accordance with delivery instructions in this Solicitation and it is determined by the City that the late receipt was due solely to mishandling by the City after receipt at the City's offices.

(b) The only acceptable evidence to establish the time of receipt at the City is the time-date stamp of the City on the wrapper or other documentary evidence of receipt maintained by the City.

(c) Offers may be withdrawn by written or telegraphic notice received at any time before the exact time set for receipt of offers. An offer may be withdrawn in person by an Offeror or the Offeror's authorized representative before the exact time set for receipt of offers, provided the identity of the person requesting withdrawal is established and the person signs a receipt for the offer.

(d) Negligence on the part of the Offeror in preparing his offer confers no right of withdrawal or modification of his offer after such offer has been opened by the City at the appointed time and place. Offers must remain open for a period of sixty (60) days after the time and date set for receipt of offers. Offerors may not assign or otherwise transfer their offer prior to or after the time and date set for receipt of offers.

12. Multiple or Alternate Offers Not Accepted

(a) Definitions.

(1) "Multiple offers" means more than one offer submitted, each satisfying the specific stated requirements of the solicitation.

(2) "Alternate offers" means an offer submitted that may depart from the specific stated requirements of the solicitation.

(b) Unless otherwise specified in this solicitation, multiple or alternate offers shall not be accepted in response to this solicitation. All multiple or alternate offers shall be rejected; provided however, that if the Offeror clearly identifies a primary offer, it shall be evaluated and considered for award as though it were the only offer submitted.

13. Pre-Submission Conference and Questions Concerning the Solicitation

A pre-submission conference, if desired by the City, is scheduled for all interested parties to discuss the solicitation requirements at a date, time and location as identified on the Solicitation, Offer and Award Form.

14. Preparation of Offers

(a) Any potential Offeror that is presently engaged in litigation with the City or has made a claim that is unresolved where the claim or the litigation involves a prior project with the City will be ineligible to receive this solicitation. No offer will be received from any such Offeror.

(b) Prior to submission of offer, Offerors shall carefully examine the site of the proposed work and make all necessary examinations and investigations to inform themselves thoroughly as to all difficulties involved in the completing of all work required pursuant to the mandates of this solicitation with its requirements. No plea of ignorance or condition or difficulties that may be encountered in the execution of the work under this Contract as a result of failure to make the necessary examinations and investigations, will be accepted as an excuse for any failure or omission on the part of the Offeror to fulfill, in every detail, all of the requirements of the Contract Documents, nor will they be accepted as a basis for any claims whatsoever for extra compensation or for an extension of time

(c) Offerors are expected to examine the Schedule, Solicitation Instructions, Special Provisions, General Provisions, all drawings, specifications, the statement of work, and all other provisions of, and Exhibits to, the solicitation, whether incorporated by reference or otherwise, prior to the submission of offers. Failure to do so will be at the Offeror's risk.

(d) Each Offeror shall furnish the information required by the Solicitation. Offers shall be submitted on the bid form contained in the Solicitation. Offeror shall sign and print or type their name on the bid form and each continuation sheet on which they make an entry. Erasures or other changes must be initialed in ink by the person signing the offer. Offers signed by an agent of the Offeror (other than an officer or a partner of the Offeror) are to be accompanied by evidence of the agent's authority (unless such evidence has been previously furnished to the City).

(e) All blanks on the bid form shall be filled in by typewriter or printed in ink with a firm fixed unit price for items offered. Unit prices shall include packing unless otherwise specified. In case of any discrepancy between a unit price and any extended or total price required by the bid form, the unit price will be presumed to be correct, subject, however, to correction to the same extent and in the same manner as any other mistake.

(f) The City, as a Florida municipal corporation, is exempt from the payment of Florida sales tax to its vendors under Chapter 212, Florida Statutes. Corporations, individuals, and other entities may be impacted by Chapter 212, Florida Statutes, according to the type of service, sale of commodity or other contractual arrangement with the City. By submitting an offer, the Offeror is acknowledging that he is aware of his statutory responsibility for sales tax under Chapter 212, Florida Statutes.

(g) Offers for property or services other than those specified in the Schedule will not be considered unless specifically authorized in the solicitation. Any condition, qualification, or limitation of the offer will be a basis for rejection of the offer as nonresponsive.

(h) The Offeror must state a definite time for delivery of property or for performance of services unless otherwise specified in the solicitation. All measurements shall be in the system of weights and measures in common usage in the United States, and pricing shall be in U.S. dollars.

15. Computation of Time

In computing any period of time for the solicitation or any resulting contract, "days" means calendar days, and the day of the event from which the designated period of time begins to run shall not be included, but the last day shall be included unless it is a Saturday, Sunday, or federal or State of Florida holiday, in which event the period shall run to the end of the next business day.

16. Contact with Offeror

(a) Offerors are cautioned that until this solicitation is either awarded or cancelled, they may have contact only with the Contracts Specialist or his or her designee. Discussions or communications regarding this solicitation with any other personnel associated in any capacity with the City, its consultants, and contractors are strictly prohibited, unless otherwise approved in writing by the City.

(b) Any violation of this restriction may result in the disqualification of the Offeror from further participation in this procurement, and from award of any contract or subcontract under this solicitation.

17. Code of Ethics

With respect to this offer, if any Offeror violates or is a party to a violation of Chapter 112, Part III, Florida Statutes, such Offeror may be disqualified from performing the work described in this solicitation or from furnishing the goods or services for which the offer is submitted and shall be further disqualified from submitting any future offers for work or for goods or services.

18. Submission of Offers

(a) Offers and modifications thereof shall be enclosed in sealed envelopes or sealed cartons and submitted to the City Clerk's Office, City of Safety Harbor, 750 Main Street, Florida 34695, prior to the time and date established for receipt of offers. Delivery of said offers to the City prior to the time and date stated in this Solicitation is solely and strictly the responsibility of the Offeror. The Offerors shall show the hour and date specified in the solicitation for receipt of offers, the solicitation number, and the Offeror's name, address, and telephone number on the face of the envelope or carton. All offers must be manually and duly signed by an authorized corporate officer, principal, or partner (as applicable). Attorneys-in-fact who sign bonds or other surety instruments must attach with each bond or surety instruments, if required.

(b) The City is not responsible for mail sent through the United States Postal Service, private couriers or messengers in regard to offers being delivered by the specified date and time so that they can be considered.

(c) Telegraphic or electronic (including but not limited to email and facsimile) offers will not be considered unless authorized by the Solicitation; however, offers may be modified or withdrawn by written, telegraphic or electronic notice, provided such notice is received prior to the hour and date specified for receipt of offers.

(d) Samples of items, when required, must be submitted within the time specified and, unless otherwise specified in the solicitation, at no expense to the City. If not destroyed by testing, samples will be returned at the Offeror's request and expense, unless otherwise specified in the solicitation.

(e) Each copy of the offer shall include the legal name of the Offeror and a statement whether the Offeror is a sole proprietorship, a corporation, or any other legal entity. An offer for a corporation shall further give the state of incorporation.

19. Omission

Notwithstanding the provision of drawings, technical specifications or other data by the City, the Offeror shall have the responsibility of supplying all details required to make an accurate proposal of services offered even though such details may not be specifically mentioned in the specifications.

20. Public Entity Crimes

(a) In accordance with Section 287.133, Florida Statutes, a person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit an offer on a contract to provide any goods or services to a public entity, may not submit an offer on a contract with a public entity for the construction or repair of a public building or public work, may not submit offers on leases or real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, subproposer, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017 for Category Two for a period of 36 months from the date of being placed on the convicted vendor list.

(b) The City may make inquiries regarding alleged convictions of public entity crimes. The unreasonable failure of an Offeror to promptly supply information in connection with an inquiry may be grounds for rejection of the offer. Additionally, a conviction of a public entity crime may cause the rejection of the offer.

(c) Offers must be signed by the Offeror with his signature in full. When a firm submits an offer, the offer shall be signed by one or more of the firm's partners. When a corporation submits an offer, the officer signing shall set out the corporate name in full beneath which he shall sign his name and give title of his office. The offer shall also bear the seal of the corporation. Anyone signing the offer as agent must file with it legal evidence of his authority to do so. Offeror's who are nonresident corporations shall furnish to the City a duly certified copy of their permit to transact business in the State of Florida along with the Offer. Failure to promptly submit this evidence of qualification to do business in the State of Florida may be basis for rejection of the offer.

21. Legal Requirements

The Offeror's attention is directed to the fact that all applicable provisions of all federal, state, county, and local laws, ordinances, rules and regulations shall govern development, submittal, and evaluation of all offers received in response hereto and lack of knowledge by any Offeror shall not constitute a cognizable defense against compliance with all such laws, rules, and regulations in the submission of any offer or the legal effect thereof.

22. Contract Documents

Except for Titles, Subtitles, Headings, Running Headlines, Table of Contents, and Indexes (all of which are printed herein, merely for convenience), the following except for such portions thereof as may be specifically excluded, constitute the "Contract Documents":

- (a) Solicitation, Offer and Award Form
- (b) Schedule – Bid Form and any attachments thereto
- (c) Exhibit A – Representations and Certifications
- (d) Exhibit B – Special Solicitation Instructions and Conditions
- (e) Exhibit C – Solicitation Instructions and Conditions
- (f) Exhibit D – Special Provisions
- (g) Exhibit E – General Provisions
- (h) Exhibit F – Statement of Work/Specifications
- (i) Exhibit G – Bid Bond Form
- (j) Exhibit H – Payment Bond Form
- (k) Exhibit I – Performance Bond Form
- (l) Offeror's response
- (m) Addenda

23. Order of Precedence

In the event of any inconsistency between the provisions of the resulting contract, the inconsistency shall be resolved by giving precedence in the following order:

- (a) Schedule – Bid Form and any attachments thereto
- (b) Solicitation Offer and Award Form;
- (c) Addenda
- (d) Exhibit A – Representation and Certifications
- (e) Exhibit F - Statement of Work/Specifications
- (f) Exhibit B - Special Solicitation Instructions and Conditions;
- (g) Exhibit D - Special Provisions
- (h) Exhibit E - General Provisions
- (i) Exhibit C - Solicitation Instructions and Conditions
- (j) Exhibit G – Bid Bond Form
- (k) Exhibit H – Payment Bond Form
- (l) Exhibit I – Performance Bond Form
- (m) Offeror's response

MANDATORY PRE-BID CONFERENCE: MEETING MINUTES – IN RED
for Capital Improvement Project:
Seminole Park and Mapleway Water Main
Replacement Project, IFB 2025-ENG-01
Tuesday, July 22, 2025
Start Time: 10 AM

INTRODUCTIONS

City of Safety Harbor personnel:

- Michelle Giuliani, Engineering Director/Project Manager
- Renee Cooper – Public Works Director
- Jamie Aherns – Assistant Public Works Director
- Pasquale Carelli – Water/Wastewater Foreman
- Scott Johnson- CIP/Special Projects Supervisor
- Troy Wilcox, Civil Designer / Construction Inspection
- Joseph Caskowski, Civil Designer / Construction Inspection
- Sue Gyoung Song, Civil Designer

Ardurra Group:

- Loc Truong - Engineer of Record
- Cristina Lacorazza - Design Engineer

MANDATORY PRE-BID MEETING

- This meeting is a Mandatory Pre-Bid – All bid offerors must attend.
- **All attendees must sign-in. . – Reference attached sign-in sheet**

CONTRACT ITEMS

- Sealed Bids will be received up to 2 pm on Tuesday, August 19, 2025, and will be publicly opened, and read aloud in the City Commission Chambers at 2 P.M.
- This contract is primarily a Measurement and Payment contract with some lump sum items. Reference provided Schedule Bid Form, and Attachment to the Schedule Bid Form. Reference Attachment '1' to the Schedule Bid Form for payment method of each BID Item.
- Contractor shall follow requirements of the Contract Documents, Specifications, and Construction Details as provided in the Construction Documents.
- Work hours are Monday through Friday, 7 am to 6 pm.
- Contract time is 390 days from Notice to Proceed.
- Opinion of Probable Cost: \$1,900,000
- Questions and Requests for Information must be in writing and received via E-mail by 3 PM, Wednesday, August 13, 2025 to mgiuliani@cityofsafetyharbor.com
- Final Addendums, if applicable, to the Solicitation will be issued by 3 PM on Friday, August 15, 2025. There will be an Addendum issued with Pre-Bid meeting minutes, sign-in sheet, and RFI's on July 28, 2025.
- Acknowledgment of any Addendums must be submitted with offer.

LICENSES

- All Contractors and Sub-Contractors are required to hold a Pinellas County Contractors License and a State license for the appropriate discipline and must also register with the City of Safety Harbor through the Building Department. Registration Forms attached for reference. – **Only selected Contractor and their sub-contractor needs to register with the City of Safety Harbor Building Department.**

ITEMS TO BE INCLUDED WITH BID – Reference Page 2 of 2 of the Contract BID Form

- Solicitation, Offer and Award Form Invitation for Bid
- Schedule - Bid Form (Bid Form)
- Attachment '1' to the Schedule Bid Form
- Representations and Certifications (Exhibit A)
- Attachment '1' to Exhibit A (NPDES Document)
- Attachment '1' to Exhibit C – Summary of Sub-Contractors – Provide updates to City if sub-contractors change or are added throughout the Contract.
- Bid Bond (Exhibit G)
- Addendums included with the Bid

PROJECT DESCRIPTION

Seminole Park and Mapleway Water Main Replacement Project includes, but is not limited to, in general the following work as set forth more fully in the scope of work and specifications in the solicitation:

- Installation of 2-inch Certa-Lok Yelomine by open cut;
- Installation of 4-inch C-900 PVC DR-18 water main by open cut;
- Installation of 6-inch C-900 PVC DR-18 water main by open cut;
- Installation of 4-inch Certa-Lok C-900 PVC water main by horizontal directional drill (HDD);
- Installation of 6-inch Certa-Lok C-900 PVC water main by horizontal directional drill (HDD);
- Installation of locate stations;
- Abandonment of existing water main(s);
- Restoration of private property and City Right-of-Ways, included, but not limited to, landscaping, irrigation, curb, driveways, sidewalks and site restoration, mailboxes, and other miscellaneous restoration;
- Installation of road base, asphalt pavement, and concrete sidewalk and curbing;
- Maintenance of Traffic;
- Pressure Testing, Disinfection, and Bacteriological Testing of the water mains;
- Coordination with the City to obtain FDEP partial clearances and final clearance for the new water mains;
- Connecting existing water main(s) and service piping to the new water main(s) and service laterals.

PERMITS (Provided with Contract BID Documents):

- Florida Department of Environmental Protection (FDEP) Notice of Acceptance of Use of a General Permit Number 0126315-077-DSGP/02
- Florida Department of Transportation Utility Permit Number 2025-H-799-00184
- Pinellas County Right of Way Permit: in progress – **Pinellas County Permit will be provided as an Addendum.**
- Awarded Contractor is responsible to obtain Florida Department of Environmental Protection (FDEP) Notice of Intent (NOI) for NPDES Generic Permit for Stormwater Discharge from Large and Small Construction Activities (Rule 62-621.300 (4), F.A.C.).

GEOTECHNICAL REPORT:

- Driggers Engineering Services Geotechnical Engineering Report - included in Bid Documents

OTHER ITEMS OF DISCUSSION:

1. The selected Contractor is responsible for coordinating a staging area. The staging area will be discussed with the selected Contractor.
2. Soil and Roadway Testing does not have a specific bid item and should be applied to the appropriate bid item. Refer to Specification Section 01410.
3. Pressure Test and Disinfection of Potable Water Mains: Reference Specification Sections 02640 and 02650: All disinfection of water mains will be completed by the Contractor. The Contractor must provide all the necessary equipment and materials to perform the disinfection. Scheduling and Notification is outlined in the Contract Specifications and City Detail 'W1', Water Notes in the Construction Documents (attached for reference).
4. Certa-Loc C-900 PVC is required for the directional boring. Fusible PVC Pipe will not be accepted. City will not allow alternative pipe material for this project.
5. Maintenance of Traffic (MOT) and advanced public notification is the responsibility of the Contractor throughout the project.
6. Any closure of roadway will require a 7-day advance notice for public notifications. FDOT certified MOT and Detour plan must be submitted in advance for City review.
7. Advanced Variable Message Signs should be installed 7 days in advance for Construction notice and roadway closure notice.
8. Advanced notifications for Milling and Resurfacing operations is required. If single lane closures are required, flaggers and proper MOT signs for roadway and sidewalks must be present at all times.
9. If pipe crossings are required that require single lane closures, advanced notification must be provided and MOT signs and flaggers must be present at all times.
10. All temporary sidewalk and final sidewalk restoration shall meet ADA requirements. Contractor is responsible for installation of ADA compliant detectable warning mats and associated sidewalk ramps if impacted during construction.
11. Contractor will be responsible to coordinate utility adjustments including utility pole adjustment and support, if required. Contractor is required to support and protect all existing utilities, including power poles. Contractor shall coordinate with proper utility company.
12. Water services will be connected to the existing water meters. New meter boxes are required for all existing services being connected. Existing water meters will be used/relocated as indicated on Plans and by City staff. Existing backflows at water meters will remain. New backflows are not required on existing water meters that currently do not have a backflows.
13. A Florida Licensed Plumber is required for connections of the new water service tubing to the water meter and connecting the customer's side piping.

14. All Fire Hydrants removed must be returned to the City Public Works Department.
15. Notification and Coordination with property owners including disruption of service and work on their property is the responsibility of the Contractor. Provide 48 hour notice to home owners.
16. Refer to Specification Section 02650, for Disinfection and flushing of water mains. Contractor must de-chlorinate the water main prior to discarding. The Contractor shall discharge water as directed by City staff within City roads along flow line of the roadways or Right-of-Way with proper filtration and erosion protection. Also, reference FDEP Permit and FDEP Notice of Intent for requirements. Discharging water directly into City storm inlets or into outstanding Florida waters and Creeks will not be permitted.
17. Contractor shall follow requirements of Specification Section 02071 for all horizontal directional drilling.
18. Best Management Practices (BMP's) for erosion control within the Contractor's work area shall be implemented and maintained at all times during drilling and back-reaming operations.
19. If erosion, silt or sediment enters City storm inlets and storm sewer pipes during construction process, it is the Contractor's responsibility to clean all storm drains affected at completion of the project.
20. Stop of Work for Seasonal Events: Any such events will be discussed with the selected Contractor, and special provisions shall be taken if construction will take place during these events. Work should not stop during the contract period.
21. Seasonal Weather Conditions: Seasonal weather conditions should be considered and included in the planning and scheduling of all work to ensure completion of all work within the Contract Time. Contract Time extensions for abnormal weather will be granted only to the extent that the actual time lost during a particular month exceeds the Contract Time.
22. If a change of condition from the plans or specifications is encountered, the Contractor should notify City staff in advance. There are provisions in the Contract documents for submitting change orders. The contractor shall provide evidence and an explanation of the condition encountered to City staff for review and approval.
23. As-Built and Record Drawing Documentation: Refer to Specification Section 01700 and Section 01720 regarding Contractor's closeout submittals, project record documents and As-Built Documents.

START DATE:

The project must be presented to City Commission for award prior to start of construction. This project will go before the City Commission in September. Notice to Proceed date is dependent on the schedule of the pre-construction meeting, the Contractor's schedule and shop drawing submittals.

FEES:

Any City Building registration fees are the responsibility of the Contractor.
The Contractor is responsible for water fees.

WATER USAGE:

The selected Contractor will need to apply for a water meter through the City Finance department (reference attached temporary construction meter installation form). City cost to rent a hydrant meter will require a \$650.00 deposit. If a sub-contractor is used for drilling, the sub-contractor is also required to obtain a hydrant meter. City staff will differentiate the two meters for billing purposes.

Contractor cannot move hydrant meter or use water directly from a City Fire Hydrant. City Public Works staff will install and move hydrant meter at Contractor's request. Advanced notification for moving the meter of 48- hours is preferred. Contractor must request removal of hydrant meter upon completion of use. City Finance Department will issue a final invoice.

The Contractor shall furnish all water, power, and equipment, required for the project. Reference Specification Sections 01510 and 02650. Note that a 3-inch hydrant meter will be issued by Public Works. 2" meters are not provided. The cost per gallon of water reflects the 3" meter size.

The following rates are provided:

3" meter:

Customer charge per month: \$3.04

Base charge per month: \$316.53

Rates per thousand gallons:

0 – 80 = \$3.65

80 – 160 = \$9.12

160 – 320 = \$20.53

Over 320 = \$29.65

PLAN REVIEW –

G2.00 – Conveys locations of FDEP permitted chlorination and sampling point locations. Note that each section of new water main will need to be partially cleared by FDEP before tie-in to existing water mains. City Project Manager will issue documents and correspond with FDEP.

C1.00 – Overall Key map: Main Street is within Pinellas County ROW and 4th St South is within FDOT ROW. Permits are included in the Contract Documents.

C1.12 – Oak St: notice the west side properties will have the existing water main along the rear abandoned and their new meter services will be proposed to connect at the front of the properties along Oak St. Since these are located on private property, moving meters to the front will require a licensed plumber. Contractor is required to obtain Licensed Plumber to connect at customer side of water meter. City will coordinate with the homeowners about the required work.

C3.01 – Pavement Restoration: Areas of Asphalt restoration required. Note there are three (3) types of restoration thickness: The City requirement is 1.75-inches of asphalt thickness, Pinellas County and FDOT have different thickness requirements. Refer to the Construction notes on G1.01.

TCP1.03 – Locations where work zone is across Main St: One lane will always need to remain open, with one lane closed at a time. The middle segment that is needed for connecting the two sides will be allowed a limited closure, nighttime work would be permitted. Pinellas County ROW Permit is in progress and will be provided in an Addendum.

BID FORM REVIEW:

Bid Items # 6,7 & 8: All-inclusive for installation of items by Open Cut, such as trench-cut and base restoration.

Bid Items # 9, 10 & 11: All-inclusive for installation of items by HDD, such as locate wires and restoration of the trench.

Bid Item #12: Unit of TONS (Weight minus the strength): Caps, plugs, sleeves, etc.

Bid Items #13 thru #20 – Note the difference in terms “Short side”, connection adjacent side of the watermain, and “Long side”, connection opposite side of the street of the watermain; these connections can be determined on the plans. Reference Detail sheets.

Bid Item #25 - Locate Stations: are at fittings, directional changes, and middle of long runs of water mains.

Bid Item #26 – Note that the 6” RWGV is included in Fire Hydrant Assemblies and are not the same as Bid item #23.

Bid Item #29 – FDOT ROW Asphalt Restoration; See G1.01 Note 23.

Bid Item #31 – Note abandonment of existing 2-inch water main, separate from grout fill item, since 2” watermain are too small.

Bid Item #33 – Includes sidewalk panel(s) removed and not restored for more than 5 days.

Bid Item #34 – Areas that cannot get compaction.

Bid Item #36 – Reference Geotechnical report for examples, such as clay.

Bid Item #37 – Import fill material quantity is higher than export, due to compaction.

Bid Item #39 – VMB: Advanced installation is required, especially for Main Street work.

Bid Items #40 and 41: Separate from Site Restoration and as-needed at the request of the City, not related to damage done by construction activities.

Note: Construction Phasing requirement: Finish all work that is started on a roadway for continual work phasing; coordinate protection and cleanup of areas that need to be left for phasing scheduling.

QUESTIONS and RESPONSES:

Question 1: At the corner of 4th St S (FDOT ROW) there is a Fire Hydrant that feeds off of the main on 4th St S. Is there a way not to go out into the intersection?

Response 1: Reference Detail C2.02 – Remove and replace item; and proposed 6” tee; please submit RFIs for additional questions.

Question 2: Is the intent of the City is to isolate Valves?

Response 2: City Public Works staff does isolate valves. Contractor will coordinate with Public Works to isolate the valves. Line stops are not used and not included in the Bid Schedule.

Question 3: Does a contractor need to obtain registration with the City prior to the BID?

Response 3: The Selected contractor will need to be registered with the City.

Question 4: Is there a contingency item for Change Orders?

Response 4: Note that the measure and payment item quantities are typically higher to account for contingencies. Change Orders will be addressed as needed. Reference Contract Documents for change order procedures.

Question 5: Are separate permits required for each of the Oak Street rear meter services on private property; is there a separate bid item for these?

Response 5: A separate permit is NOT required. The City will review the need for a separate bid item for these meter services that will require the licensed plumber to work on private properties. Any revisions will be provided in an Addendum.

NOTE TO CONTRACTORS:

Submit Request for Information/Questions to Michelle Giuliani at mgiliani@cityofsafetyharbor.com

Final Questions and Requests for Information must be in writing and received via E-mail by 3 PM, Wednesday, August 13, 2025

Attachments

- City Detail 'W1': Water Notes in the Construction Documents
- Business Registration Forms
- Sub-Contractor Job Registration Form
- Temporary Construction Meter Installation

Mandatory
Pre-Bid Conference
Sign In Sheet

Company Name	Contact Person	Address	Phone Number	E-Mail Address
City Contacts / Consultant Contacts				
City of Safety Harbor	Michelle Giuliani, Engineering Director <i>MC</i>	750 Main Street, Safety Harbor, FL 34695	727-724-1555, Ext. 1706	mgiuliani@cityofsafetyharbor.com
City of Safety Harbor	Troy Wilcox, Civil Designer III/Floodplain Manager <i>TW</i>	750 Main Street, Safety Harbor, FL 34695	727-724-1555, Ext. 1704	twilcox@cityofsafetyharbor.com
City of Safety Harbor	Joseph Caskowski, Civil Designer II <i>JC</i>	750 Main Street, Safety Harbor, FL 34695	727-724-1555, Ext. 1805	jcaskowski@cityofsafetyharbor.com
City of Safety Harbor	Sue Gyoung Song, Civil Designer II <i>SS</i>	750 Main Street, Safety Harbor, FL 34695	727-724-1555, Ext. 1803	ssong@cityofsafetyharbor.com
City of Safety Harbor	Renee Cooper, Public Works Director <i>NIA</i>	1200 Railroad Avenue, Safety Harbor, FL 34695	727-724-1550, Ext. 2009	rcooper@cityofsafetyharbor.com
City of Safety Harbor	Jamie Aherns, Assistant Public Works Director <i>JA</i>	1200 Railroad Avenue, Safety Harbor, FL 34695	727-724-1550, Ext. 2008	cahrens@cityofsafetyharbor.com
City of Safety Harbor	Scott Johnson, CIP/Special Projects Supervisor <i>SJ</i>	1200 Railroad Avenue, Safety Harbor, FL 34695	727-724-1550, Ext. 2010	bcollins@cityofsafetyharbor.com
City of Safety Harbor	Pasquale Carelli, Water/Wastewater Foreman <i>NIA</i>	1200 Railroad Avenue, Safety Harbor, FL 34695	727-724-1550, Ext. 2005	pcarelli@cityofsafetyharbor.com
Ardurra Group	Loc Truong, Water/Wastewater Group Leader / EOR <i>LC</i>	4921 Memorial Highway, Suite 300, Tampa, FL 33634	813.880.8881	ltruong@ardurra.com
Ardurra Group	Cristina E. Lacorazza, Engineer <i>CL</i>	4921 Memorial Highway, Suite 300, Tampa, FL 33634	813.880.8881	clacorazza@ardurra.com
Company Name	Contact Person	Address	Phone Number	E-Mail Address
Kamminga & Roodvoets, Inc.	Clay Barnes	5219 Cone Rd. Tampa, FL 33610	813-623-3031	Quote@KandRincfl.com
DB Civil	Terry Qualls	4475 US-1 South, Suite 207 ST. AUG. FL 32086	386-256-7460	ESTIMATING@dbcivilconstruction.com
Landmark Services of SW FL	Tim Knisely	1101 9th Ave. E Bradenton, FL 34208	(727) 304-0022	tim.knisely@landmarksvcs.com
AMI	Robert T. VanVelslin	17710 US HWY 41 Spring Hill FL	813-853-1217	Robert.VanVelslin1129@gmail.com
Augustine Const	Jim Phillips	2495 Keystone Tarpon Springs, FL 34688	727-433-0493	Jimp@Augustine.US
General Underground	Chris Brown	186 S Euclid Ave Lake Helen FL 32749	352-325-6138	chrisbrown@generalunderground.com
Cathcart Construction	Joe Newton	1056 Willa Springs Dr Winter Springs FL	407 961 8788	jnewton@cathcartconstructioncompany.com
Left Coast	Bob Hines	9100 128th Ave N Lakewood, FL	727-243-0720	cTilman@AOL.COM
Left Coast	Jeff Arrowood	9100 126th Ave N. Largo, FL 33773	727-481-4688	LCU.TE@20gmail.com
EZ Contracting	Ed Zawach / John Burke	5324 56th Commercial Park Blvd Tampa FL 33617	813 282 9793	ed@ezcontractingfl.com

John -

NOTES:

1. TAPS, TESTING AND INSPECTIONS ARE TO BE SCHEDULED 48 HOURS IN ADVANCE WITH THE PUBLIC WORKS WATER/WASTEWATER DIVISION. CALL 727-724-1550.
2. TAPS SHALL ONLY BE ALLOWED ON MONDAY AND TUESDAY TO ALLOW AMPLE TIME FOR BACTERIOLOGICAL TESTS.
3. THE CONTRACTOR IS RESPONSIBLE FOR PRESSURE TESTING (150PSI MINIMUM - 155PSI MAXIMUM) AND CHLORINATING THE NEW WATER MAIN FOR TWO HOURS. THE CITY WILL PROVIDE BACTERIOLOGICAL TESTING (MONDAYS/TUESDAYS ONLY). THE CITY OF SAFETY HARBOR WILL FLUSH AND PULL THE WATER SAMPLES AND SUBMIT TO LAB FOR TESTING.
4. FIRST ROUND OF WATER SAMPLES WILL BE COVERED BY THE CITY OF SAFETY HARBOR. IF A FAILURE IS PRESENT, REQUIRING A SECOND SET OF SAMPLES OR MORE, CONTRACTOR WILL BE BILLED BY THE CITY OF SAFETY HARBOR FOR ALL COST ASSOCIATED INCLUDING THE WATER THAT IS UTILIZED DURING THE FLUSHING PROCESS.
5. CONTRACTOR IS ALWAYS RESPONSIBLE TO HAVE PROPER DECHLORINATING EQUIPMENT (APPROVED BY CITY STAFF) WHILE FLUSHING WATER MAINS UNDER SUPERVISION OF CITY STAFF.
6. A CHLORINATION AND SAMPLING PLAN MUST BE SUBMITTED FOR ANY NEW WATER MAIN INSTALLATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHLORINATE THE WATER MAIN PER AWWA GUIDELINES AND FDEP REGULATIONS. CITY OF SAFETY HARBOR WILL BE ON SITE TO INSPECT THE CHLORINATING PROCESS.
7. WATER TAPS SHALL NOT BE INSTALLED UNDER DRIVEWAYS. NO SIZE ON SIZE TAPS ALLOWED.
8. METER BOXES SHALL NOT BE INSTALLED IN DRIVEWAYS. MINIMUM 3' CLEARANCE FROM EDGE OF DRIVEWAY SHALL BE LEFT FOR MAINTENANCE PURPOSE.
9. WATER MAIN SHALL BE INSTALLED AT A DEPTH OF 24" MINIMUM AND 36" MAXIMUM.
10. RISERS ON FIRE HYDRANTS SHALL NOT BE INSTALLED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY DEPTH AND ORDER CORRECT SIZE HYDRANT AND FOLLOW FIRE PREVENTION CODE ON MOST CURRENT PORT HEIGHT REQUIREMENTS.
11. NO GLUE JOINT FITTINGS WILL BE ALLOWED ON WATER MAIN OR SERVICE CONNECTIONS UP TO METER.
12. VALVE BOXES OR LOCATE STATIONS SHALL NOT BE IN ADA RAMPS WHENEVER POSSIBLE.
13. LOCATE STATIONS SHALL BE INSTALLED AT EVERY FITTING OR CHANGE IN DIRECTION OF WATER MAIN OR WERE DESIGNATED BY CITY OFFICIAL.
14. EXISTING WATER VALVE(S) ARE TO BE OPERATED BY CITY STAFF ONLY.
15. ALL JOINTS SHALL BE MECHANICALLY RESTRAINED (CONTRACTOR MAY OPT TO UTILIZE SDR-17 PVC RESTRAINED JOINT PIPE).
16. NEW WATER MAINS SHALL BE THE FOLLOWING MATERIALS: PVC WATER LINES AND FITTINGS 2" AND SMALLER SHALL BE SDR-21. LARGER PVC WATER MAINS SHALL BE IN ACCORDANCE WITH AWWA C-900 AND MEET THE REQUIREMENTS OF DR-14, OR DR-18 FOR FIRE MAINS.
17. WATER METER BOXES SHALL NOT BE INSTALLED IN SIDEWALKS UNLESS OTHERWISE APPROVED BY CITY STAFF. METER BOX SHALL BE INSTALLED TO HAVE STRAIGHT ACCESS TO CURB STOP AND METER AND BACKFLOW.
18. FIRE HYDRANT STINGER LINES SHALL NOT BE ALLOWED TO BE TAPPED UNDER ANY CIRCUMSTANCES.
19. CITY OF SAFETY HARBOR MUST APPROVE ALL MATERIALS UTILIZED ON WATER MAINS. SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO DELIVERY.
20. A LICENSED PLUMBER MUST MAKE ALL CONNECTIONS FROM THE CITY'S METER TO THE CUSTOMER'S CONNECTION.
21. CURB STOP LOCK RING (HOLE) NEEDS TO POINT IN DIRECTION OF FLOW WHEN OPEN. THE HOLES SHOULD LINE UP WHEN CURB STOP IS CLOSED.
22. MATERIAL WILL NEED TO BE INSPECTED BY CITY STAFF PRIOR TO INSTALL.
23. 4" AND LARGER WET TAPS, SADDLE MUST BE PRESSURE TESTED TO 150 PSI FOR 15 MINUTES IN PRESENCE OF CITY STAFF.
24. TAPS WILL NOT BE ALLOWED UNTIL METER AND BACKFLOW HAS BEEN PURCHASED THROUGH BILLING DEPARTMENT. METER AND BACKFLOW SHALL BE PURCHASED FIRST PRIOR SCHEDULING OF ANY TAPS.
25. CONTRACTOR SHALL PURCHASE CONSTRUCTION METER IF NEEDED FOR WATER USE.
26. NO PEX TUBING ALLOWED FOR CONNECTING TO METER.

R:\AUTOCAD STANDARDS\DETAILS\CITY DETAIL\WATER NOTES.DWG



CITY OF SAFETY HARBOR

Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

WATER NOTES

REVISIONS

BY	DATE

SCALE: N.T.S.

DATE: OCTOBER 2019

DETAIL NUMBER:

W1

CITY OF SAFETY HARBOR BUSINESS REGISTRATION

**750 Main Street
Safety Harbor, Florida 34695**

**727/724-1515
727/669-1229 FAX**

**Bus Reg. # _____
Fee \$ _____**

**Application is hereby made for the purpose of registering my business in the City of
Safety Harbor**

Business Name _____

Business Address: _____

City _____ State _____ Zip _____

Business Phone# _____ Federal Tax ID # _____

Qualifier's Name _____

Mailing Address, if different _____

City _____ State _____ Zip _____

Telephone # _____

Business Description _____

State Certified/Registered Number _____

PCCLB _____

Applicant's Signature _____

CONTRACTORS:

- 1. PLEASE ATTACH COPIES OF YOUR CURRENT STATE AND PCCLB LICENSE.**
- 2. A NOTARIZED LETTER OF AUTHORIZATION, IF SOMEONE OTHER THAN THE QUALIFIER WILL BE APPLYING FOR PERMITS.**

FLORIDA STATUTE REQUIREMENTS:

Florida Statute 205.194(2) requires applicants to submit copies of all required professional licenses and/or registration.

Social Security # (if Fed Tax ID has not been provided)_____

2002 Florida Statutes

205.0535 Reclassification and rate structure revisions.

(5) No tax receipt shall be issued unless the federal employer identification number or social security number is obtained from the person to be licensed.

119.0721 Social Security Number Exemption.

(8) An agency shall not collect an individual's social security number unless authorized by law to do so or unless the collection of the social security number is otherwise imperative for the performance of that agency's duties and responsibilities as prescribed by law. Social security numbers collected by an agency must be relevant to the purpose for which collected and shall not be collected until and unless the need for social security numbers has been clearly documented. Any agency that collects social security numbers shall also segregate that number on a separate page from the rest of the records, or as otherwise appropriate, in order that the social security number be more easily redacted, if required, pursuant to a public records request. An agency collecting a person's social security number shall, upon that person's request, at the time of or prior to the actual collection of the social security number by that agency, provide that person with a statement of the purpose or purposes for which the social security number is being collected and used. Social security numbers collected by an agency shall not be used by that agency for any purpose other than the purpose stated. Social security numbers collected by an agency prior to May 13, 2002, is found to be unwarranted; the agency shall immediately discontinue the collection of social security numbers for that purpose.



City of Safety Harbor, Florida

HOME OF ESPIRITU SANTO MINERAL SPRINGS

750 Main Street ‡ Safety Harbor, Florida 34695
(727) 724-1515 ‡ FAX (727) 669-1229

SUBCONTRACTOR JOB REGISTRATION

PERMIT # _____ TYPE OF SUBCONTRACTOR: _____

STATE LICENSE # _____ PCCLB # _____

SUBCONTRACTOR PHONE # (____) _____

SUBCONTRACTOR BUSINESS NAME: _____

LICENSE HOLDER OR OWNER/BUILDER NAME: _____

_____ WILL BE PERFORMING THE

_____ WORK AT _____

(Trade)

(Full Job Site Address)

The subcontractor card along with copies of current licenses can be emailed to
ebpermits@cityofsafetyharbor.com

_____ Date: _____

Signature of license holder / authorized agent / owner builder

CITY OF SAFETY HARBOR, FLORIDA

WATER DIVISION

TEMPORARY CONSTRUCTION METER INSTALLATION

CONTRACTOR'S NAME _____

ADDRESS _____

CONTRACT NAME _____

PHONE NUMBER _____

DATE REQUESTED _____

REQUESTED ADDRESS LOCATION _____

END READING _____

START READING _____

TOTAL QUANTITY (GALLONS) _____

COMMENTS: _____

FIELD DIVISION

TECHNICIAN _____

DATE INSTALLED _____

METER SERIAL # _____

METER SIZE _____

BACKFLOW SERIAL # _____

METER MFG. _____

COMMENTS _____

ACCOUNTING DIVISION

CLERK _____

DEPOSIT AMOUNT \$650.00 PAID ☐ Check # _____

COMMENTS _____

MS 041-4000-349-1100

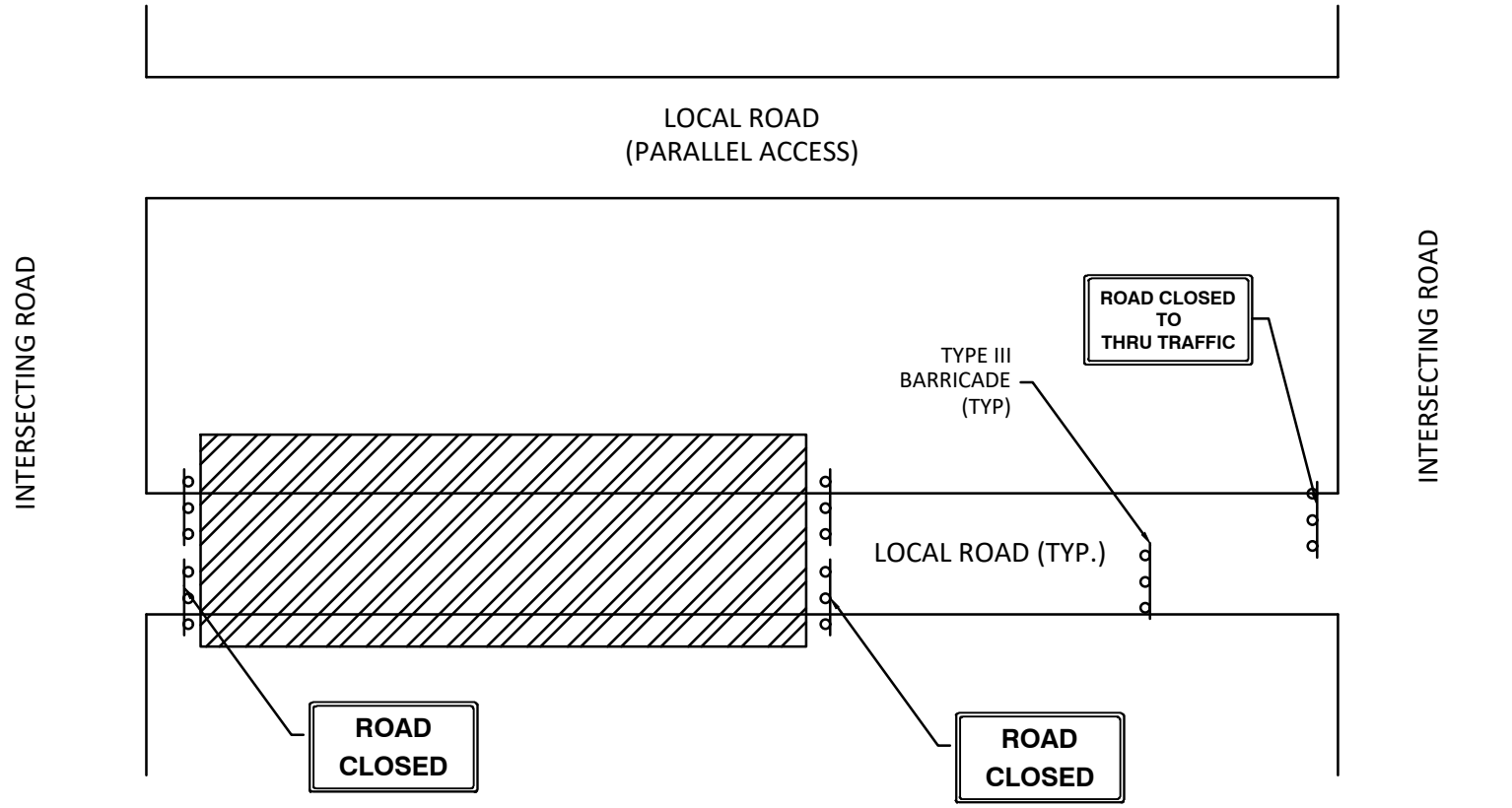
ADDENDUM #1
TRAFFIC CONTROL PLANS REVISED

- SHEET TCP1.01
- SHEET TCP1.02
- SHEET TCP1.03
- SHEET TCP1.04
- SHEET TCP1.05
- SHEET TCP1.06
- SHEET TCP1.07

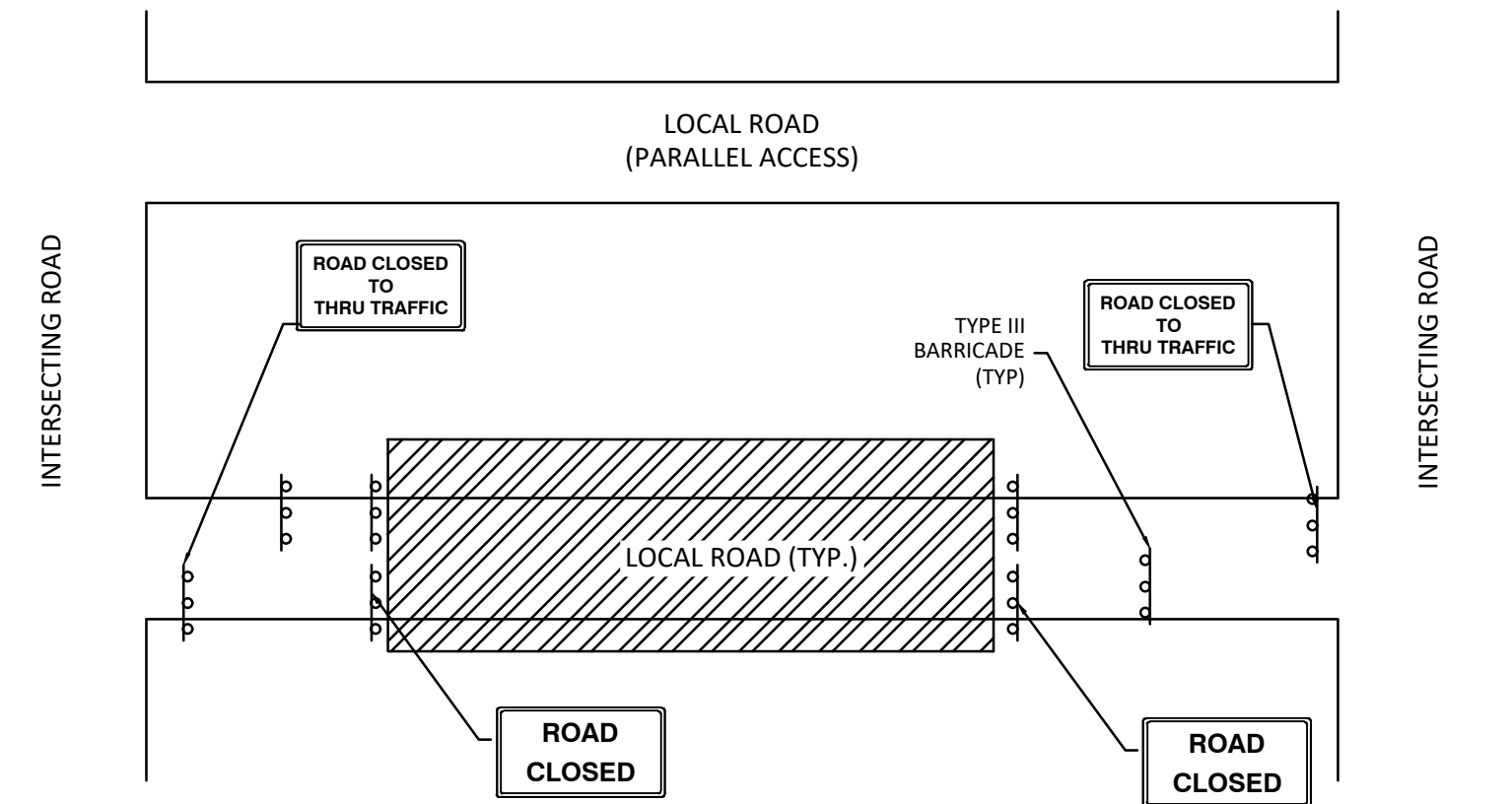
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WORK ZONE TRAFFIC CONTROL GENERAL NOTES:

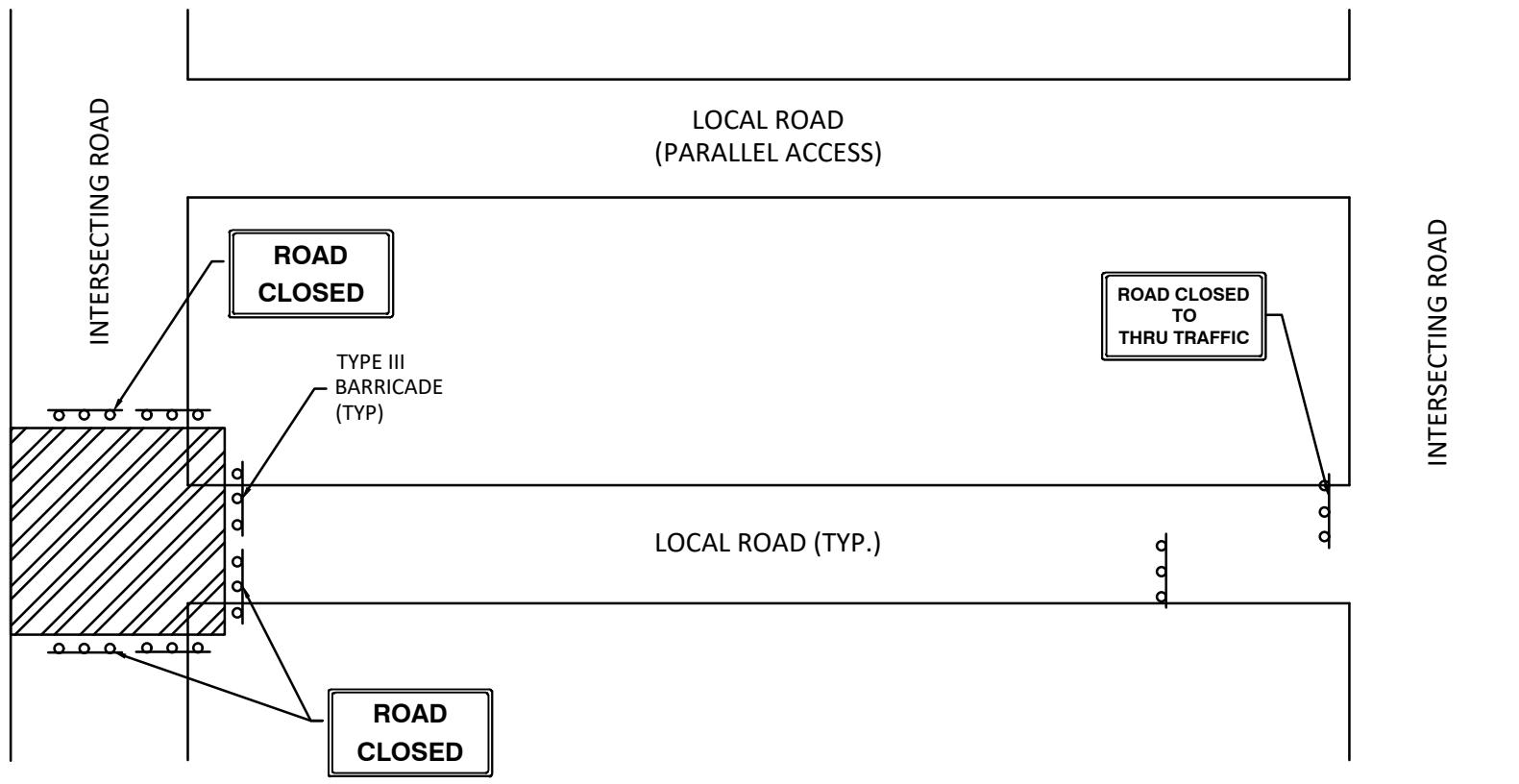
- ALL WORK ZONE TRAFFIC CONTROL (WZTC) DEVICES SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF CONSTRUCTION AND SHALL BE PROPERLY MAINTAINED AND OPERATED THROUGHOUT THE PERIOD OF EACH PHASE / STAGE CONSTRUCTION. ALL TEMPORARY SIGNS, PAVEMENT MARKINGS, WARNING DEVICES, WARNING LIGHTS, ETC. NECESSARY FOR THE WZTC SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION) AND THE FDOT DESIGN STANDARDS (FY 2022-23).
- THE EXISTING POSTED SPEED LIMITS WILL BE MAINTAINED UNLESS OTHERWISE NOTED IN THE PLANS.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING PEDESTRIAN OR BICYCLIST TRAFFIC, WHEN AN EXISTING PATH IS LOCATED WITHIN THE WZTC PROJECT LIMITS AT ALL TIMES DURING THE CONSTRUCTION PROCESS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT A SAFE AND UNOBSTRUCTED ACCESSIBLE PATH EXISTS FOR PEDESTRIANS OR BICYCLISTS. REFER TO STANDARD INDEX 102-660, AND MUTCD LATEST EDITION. ALL TEMPORARY PEDESTRIANS WAYS OR CURB RAMPS TO BE AMERICAN WITH DISABILITIES (ADA) COMPLIANT.
- A DISCUSSION OF ANY PROPOSED LANE CLOSURE OPERATIONS WILL BE MADE PART OF ALL PRECONSTRUCTION CONFERENCES. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A WRITTEN PLAN WHICH DETAILS EACH ACTIVITY INVOLVED IN THE LANE CLOSURE. THE PLAN SHALL INCLUDE BACK-UP PLANS FOR ACTIVITIES CRITICAL TO REOPENING LANES TO TRAFFIC. THE BACK-UP PLAN SHALL INCLUDE PROVISIONS FOR ALL SUBCONTRACTOR OPERATIONS AS WELL AS THE PRIME CONTRACTOR'S. NO LANE CLOSURE WILL BE ALLOWED WITHOUT A PLAN TO ACHIEVE REOPENING ACCORDING TO THE CONTRACT. AN EXAMPLE OF AN ACCEPTABLE BACK-UP PLAN WOULD INCLUDE THE CONTRACTOR CHOOSING TO HAVE TEMPORARY TAPE ON HAND. TIMELY REOPENING OF ANY CLOSED LANE(S) IS CRITICAL FOR THIS PROJECT AND THE CONTRACTOR SHALL TAKE ALL ACTIONS POSSIBLE TO ENSURE REOPENING TAKES PLACE AS STIPULATED.
- THE CONTRACTOR SHALL PLACE A PORTABLE CHANGEABLE MESSAGE SIGN FOR ALL LANE CLOSURES. REFER TO STANDARD INDEX 102-600.
- EXISTING SIGNS SHALL BE MAINTAINED AT ALL TIMES. DURABLE OPAQUE SHEET OVERLAY PANELS SHALL BE USED TO COVER INAPPROPRIATE INFORMATION ON NEW OR EXISTING SIGNS WHERE REQUIRED BY THE ENGINEER. THE PANEL SHALL BE PLACED IN A MANNER THAT DOES NOT DAMAGE THE EXISTING SIGN. NO FABRIC OR PLASTIC FILM WILL BE ALLOWED.
- ALL REFLECTIVE PAVEMENT MARKINGS, EXISTING AND TEMPORARY, SHALL BE MAINTAINED DURING CONSTRUCTION UNLESS NOTED OTHERWISE.
- FOR DROP-OFFS IN WORK ZONES THE CONTRACTOR IS DIRECTED TO THE REQUIREMENTS OF STANDARD INDEX NO. 102-600. THE CONTRACTOR SHALL ONLY EXCAVATE OR MILL AN AREA THAT CAN BE BROUGHT BACK WITHIN THE DROP-OFF CRITERIA OF INDEX NO. 102-600 WITHIN THE SAME DAY / NIGHT OPERATION. FOR CLEAR ZONE WIDTHS FOR WORK ZONES, SEE FDOT INDEX NO. 102-600. ALL TRENCHES SHALL BE BACKFILLED COMPLETELY TO PROVIDE SAFE CROSSING BY THE END OF EACH WORK DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE.
- WHENEVER CONSTRUCTION EQUIPMENT IS BEING DRIVEN OR TRANSPORTED ON THE OPEN TRAVEL LANES, THE CONTRACTOR SHALL UTILIZE INDEX NO. 102-607.
- THE CONTRACTOR SHALL MAINTAIN PROPER DRAINAGE FOR ALL PHASES OF CONSTRUCTION. ADDITIONAL DETAILS AND STRUCTURES NOT SHOWN IN THE WZTC PLANS MAY BE NECESSARY DEPENDING UPON CONTRACTOR METHODS OF CONSTRUCTION.
- ALL SIGNS, WITH THE EXCEPTION OF FLAGGING, SHALL BE POST MOUNTED.
- CONTRACTOR SHALL PROVIDE AT LEAST ONE WEEK OF NOTICE THROUGH THE USE OF MESSAGE BOARDS FOR THE WORK SCHEDULED.
- FOR ALL STREETS WITH POSTED SPEED LIMITS OF 45 MPH OR LESS, CONTRACTOR SHALL UTILIZE ONLY LOW PROFILE BARRIER WHEN USE OF BARRIER IS REQUIRED FOR DROP-OFFS.
- MAINTAIN/REROUTE PEDESTRIAN TRAFFIC PER FDOT INDEX 102-660 AND MUTCD, LATEST EDITION. ALL TEMPORARY PEDESTRIAN WAYS OR CURB RAMPS SHOULD BE AMERICANS WITH DISABILITIES (ADA) COMPLIANT.
- ALL CONSTRUCTION ACTIVITIES, INCLUDING EQUIPMENT AND/OR MATERIAL STAGING MUST BE DONE IN THE WORK ZONE. PROTECT WORK ZONE FROM VEHICULAR AND PEDESTRIAN INTRUSION. UTILIZE TYPE III BARRICADES AND TEMPORARY BARRIER TO PREVENT VEHICULAR INTRUSION AND LONGITUDINAL CHANNELIZATION DEVICES TO PREVENT PEDESTRIAN INTRUSION. ALL APPLICABLE DEVICES SHOULD BE LISTED ON THE FDOT APL.
- FOR ANY WORK ACTIVITIES WITHIN THE EXISTING ROADWAY RIGHT-OF-WAY BUT NO CLOSER THAN 2' TO THE EDGE OF TRAVEL, FDOT INDICES 102-601 AND 102-602 SHALL APPLY.
- ROAD CLOSURES SHALL NOT OCCUR OVER CONSECUTIVE INTERSECTIONS.
- PERMITTED WORK SCHEDULE SHALL BE LIMITED TO OCCUR BETWEEN MONDAY TO FRIDAY AND FROM 8:00 AM TO 5:00 PM
- LANE CLOSURES ALONG MAIN ST ARE NOT PERMITTED BETWEEN THE HOURS OF 7:00 AM TO 9:00 AM AND 4:00 PM TO 6:00 PM.
- ROAD CLOSURES ALONG MAIN ST ARE ONLY PERMITTED ON SUNDAY THROUGH THURSDAY NIGHTS FROM 10:00 PM TO 5:00 AM.
- PLACE AN ADVANCE WARNING, INCLUDING AT LEAST ONE CHANGEABLE MESSAGE SIGN (CMS), A MINIMUM OF TWO WEEKS BEFORE THE ROAD CLOSURE. THE CMS MUST DISPLAY THE CLOSURE TIMEFRAME. COORDINATE WITH THE CONSTRUCTION MANAGER TO FINALIZE THE MESSAGE CONTENT.



CONDITION A - WHEN WORK ZONE IS NEAREST THE INTERSECTING ROAD



CONDITION B - WHEN WORK ZONE IS FURTHER THAN THE NEAREST/FIRST ACCESS DRIVE FROM THE INTERSECTING ROAD



CONDITION C - WHEN WORK ZONE IS IN INTERSECTION OF LOCAL ROAD AND INTERSECTING ROAD

LEGEND

WORK ZONE TYPE III BARRICADE

LOCAL ROAD CLOSURE DETAIL
(N.T.S.)



Engineering Dept.
750 Main Street
Safety Harbor, Florida 34695
Phone (727) 724-1555



ARDURRA
COLLABORATE. INNOVATE. CREATE.
4921 Memorial Highway
One Memorial Center, Suite 300
Tampa, Florida 33634
Phone: (813) 880-8881
www.Ardurra.com
License #2610

				BY
				REVISION
				DATE
				NO.

SEMINOLE PARK AND MAPLEWAY
WATER MAIN REPLACEMENT (UT0096)

TRAFFIC CONTROL PLAN 1

JOB NO: 0279-00026-2022-0998

TCP1.01

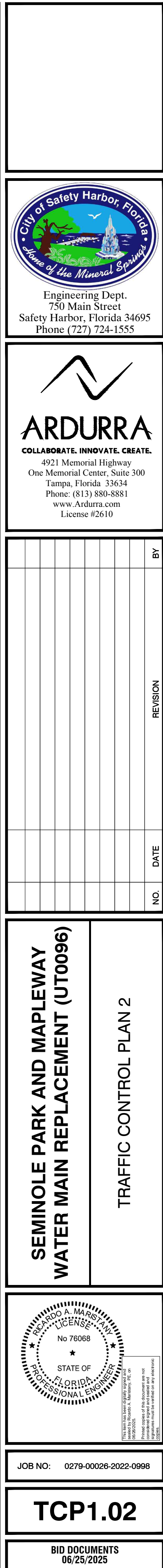
BID DOCUMENTS
06/25/2025

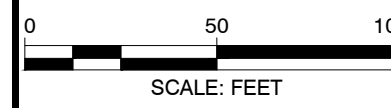
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	1	2	3	4	5	6	7	8	9	10	11	12
A	<p>WORK ZONE A - LONG-TERM SHOULDER CLOSURE</p> <ol style="list-style-type: none">1. MAINTAIN EXISTING TRAVEL LANES UNLESS OTHERWISE SHOWN. MAINTAIN POSTED SPEED LIMITS FOR TRAVEL LANES.2. INSTALL SHOULDER CLOSURE PER FDOT STANDARD PLANS INDEX 102-602.3. DIRECTLY ADJACENT TEMPORARY WORK ZONES MAY BE UTILIZED DURING ACTIVE WORK TIMES.4. CONSTRUCT UTILITY IMPROVEMENTS.5. RESTORE DISTURBED AREA.6. REMOVE TRAFFIC CONTROL DEVICES.7. UTILIZE FDOT STANDARD PLANS INDEX 102-607 DURING PAVEMENT MILLING AND RESURFACING OPERATIONS.				<p>WORK ZONE G - TEMPORARY SHOULDER CLOSURE</p> <ol style="list-style-type: none">1. MAINTAIN EXISTING TRAVEL LANES UNLESS OTHERWISE SHOWN. MAINTAIN POSTED SPEED LIMITS FOR TRAVEL LANES.2. INSTALL SHOULDER CLOSURE PER FDOT STANDARD PLANS INDEX 102-602. CLOSE SINGLE TRAVEL LANE AS NEEDED PER FDOT INDEX 102-613.3. DIRECTLY ADJACENT TEMPORARY WORK ZONES MAY BE UTILIZED DURING ACTIVE WORK TIMES.4. CONSTRUCT UTILITY IMPROVEMENTS.5. RESTORE DISTURBED AREA.6. REMOVE TRAFFIC CONTROL DEVICES.7. UTILIZE FDOT STANDARD PLANS INDEX 102-607 DURING PAVEMENT MILLING AND RESURFACING OPERATIONS.							
B	<p>WORK ZONE B - LONG-TERM ROAD CLOSURE</p> <ol style="list-style-type: none">1. REFER TO PLAN WORKZONE CALLOUT FOR APPLICABLE CONDITION (A OR B) OR DETOUR. CONDITIONS ARE ONLY APPLICABLE FOR LOCAL ROADS AND DO NOT REQUIRE DETOURS. DETOURS ARE ONLY APPLICABLE FOR NON-LOCAL ROADS (MAIN ST). ROAD CLOSURE SHALL BE PER MUTCD PART 6 FIGURE 6H-20, DETOUR FOR A CLOSED STREET.2. INSTALL ROAD CLOSURE.3. DIRECTLY ADJACENT TEMPORARY WORK ZONES MAY BE UTILIZED DURING ACTIVE WORK TIMES.4. CONSTRUCT UTILITY IMPROVEMENTS.5. RESTORE DISTURBED TRAVEL LANES.6. REMOVE TRAFFIC CONTROL DEVICES TO ALLOW TRAFFIC TO UTILIZE RESTORED TRAVEL LANES.7. UTILIZE FDOT STANDARD PLANS INDEX 102-607 DURING PAVEMENT MILLING AND RESURFACING OPERATIONS.											
C	<p>WORK ZONE C - LONG-TERM INTERSECTION CLOSURE</p> <ol style="list-style-type: none">1. REFER TO PLAN WORKZONE CALLOUT FOR APPLICABLE CONDITION (C) OR DETOUR. CONDITIONS ARE ONLY APPLICABLE FOR LOCAL ROADS AND DO NOT REQUIRE DETOURS. DETOURS ARE ONLY APPLICABLE FOR NON-LOCAL ROADS (MAIN ST). ROAD CLOSURE SHALL BE PER MUTCD PART 6 FIGURE 6H-20, DETOUR FOR A CLOSED STREET.2. INSTALL ROAD CLOSURE.3. DIRECTLY ADJACENT TEMPORARY WORK ZONES MAY BE UTILIZED DURING ACTIVE WORK TIMES.4. CONSTRUCT UTILITY IMPROVEMENTS.5. RESTORE DISTURBED TRAVEL LANES.6. REMOVE TRAFFIC CONTROL DEVICES TO ALLOW TRAFFIC TO UTILIZE RESTORED TRAVEL LANES.7. UTILIZE FDOT STANDARD PLANS INDEX 102-607 DURING PAVEMENT MILLING AND RESURFACING OPERATIONS.											
D					<p>DETAIL 1 - MAIN ST. TYPICAL CROSS SECTIONS FOR SINGLE LANE AND ROAD CLOSURES</p> <p>DETAIL 1A - TYPICAL CROSS SECTION OF WORK ZONE D ALONG MAIN ST. (N.T.S.)</p> <p>DETAIL 1B - TYPICAL CROSS SECTION OF WORK ZONE D ALONG MAIN ST. (N.T.S.)</p> <p>DETAIL 1C - TYPICAL CROSS SECTION OF WORK ZONE E ALONG MAIN ST. (N.T.S.)</p>							
E	<p>WORK ZONE D - TEMPORARY SINGLE LANE CLOSURE</p> <ol style="list-style-type: none">1. CLOSE SINGLE LANE WITH FLAGGER OPERATION AS PER FDOT STANDARD PLANS INDEX 102-603.2. DIRECTLY ADJACENT TEMPORARY WORK ZONES MAY BE UTILIZED DURING ACTIVE WORK TIMES.3. CONSTRUCT UTILITY IMPROVEMENTS.4. RESTORE DISTURBED TRAVEL LANES. IF NOT SUFFICIENT TO ALLOW TRAFFIC TO UTILIZE THE LANES AT THE END OF THE WORK PERIOD, STEEL PLATES MAY BE UTILIZED TO REOPEN TRAVEL LANES. COMPLETE RESTORATION.5. REMOVE TRAFFIC CONTROL DEVICES TO ALLOW TRAFFIC TO UTILIZE RESTORED TRAVEL LANES.6. UTILIZE FDOT STANDARD PLANS INDEX 102-607 DURING PAVEMENT MILLING AND RESURFACING OPERATIONS.											
F	<p>WORK ZONE E - TEMPORARY ROAD CLOSURE</p> <ol style="list-style-type: none">1. REFER TO PLAN WORKZONE CALLOUT FOR APPLICABLE CONDITION (A OR B), DETOUR OR DETAIL. CONDITIONS ARE ONLY APPLICABLE FOR LOCAL ROADS AND DO NOT REQUIRE DETOURS. DETOURS ARE ONLY APPLICABLE FOR NON-LOCAL ROADS (MAIN ST). ROAD CLOSURE SHALL BE PER MUTCD PART 6 FIGURE 6H-20, DETOUR FOR A CLOSED STREET.2. INSTALL ROAD CLOSURE.3. CONSTRUCT UTILITY IMPROVEMENTS.4. RESTORE DISTURBED TRAVEL LANES. IF NOT SUFFICIENT TO ALLOW TRAFFIC TO UTILIZE THE LANES AT THE END OF THE WORK PERIOD, STEEL PLATES MAY BE UTILIZED TO REOPEN TRAVEL LANES. COMPLETE RESTORATION.5. REMOVE TRAFFIC CONTROL DEVICES TO ALLOW TRAFFIC TO UTILIZE RESTORED TRAVEL LANES.6. UTILIZE FDOT STANDARD PLANS INDEX 102-607 DURING PAVEMENT MILLING AND RESURFACING OPERATIONS.											
G	<p>WORK ZONE F - TEMPORARY INTERSECTION CLOSURE</p> <ol style="list-style-type: none">1. REFER TO PLAN WORKZONE CALLOUT FOR APPLICABLE CONDITION (C) OR DETOUR. CONDITIONS ARE ONLY APPLICABLE FOR LOCAL ROADS AND DO NOT REQUIRE DETOURS. DETOURS ARE ONLY APPLICABLE FOR NON-LOCAL ROADS (MAIN ST). ROAD CLOSURE SHALL BE PER MUTCD PART 6 FIGURE 6H-20, DETOUR FOR A CLOSED STREET.2. INSTALL ROAD CLOSURE.3. DIRECTLY ADJACENT TEMPORARY WORK ZONES MAY BE UTILIZED.4. CONSTRUCT UTILITY IMPROVEMENTS.5. RESTORE DISTURBED TRAVEL LANES. IF NOT SUFFICIENT TO ALLOW TRAFFIC TO UTILIZE THE LANES AT THE END OF THE WORK PERIOD, STEEL PLATES MAY BE UTILIZED TO REOPEN TRAVEL LANES. COMPLETE RESTORATION.6. REMOVE TRAFFIC CONTROL DEVICES TO ALLOW TRAFFIC TO UTILIZE RESTORED TRAVEL LANES.7. UTILIZE FDOT STANDARD PLANS INDEX 102-607 DURING PAVEMENT MILLING AND RESURFACING OPERATIONS.											
H												

NOTE:

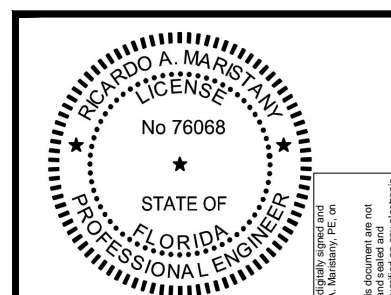
1. DETAILS 1A, 1B, AND 1C IS NOT A REQUIRED PHASING SEQUENCE. THE SEQUENCE MAY BE MODIFIED AT THE CONTRACTOR'S DISCRETION TO ACCOMMODATE CONSTRUCTION PHASING, PROVIDED ALL COMPONENTS ARE INSTALLED AS SHOWN ON PLANS.
2. WORK ZONE IN DETAIL 1C APPLIES TO REMAINING PIPE SECTION NOT ABLE TO BE INSTALLED IN UTILIZING TYPICAL WORK ZONE D AS SHOWN IN DETAIL 1A AND DETAIL 1B.



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**SEMINOLE PARK AND MAPLEWAY
WATER MAIN REPLACEMENT (UT0096)**

TRAFFIC CONTROL PLAN 3

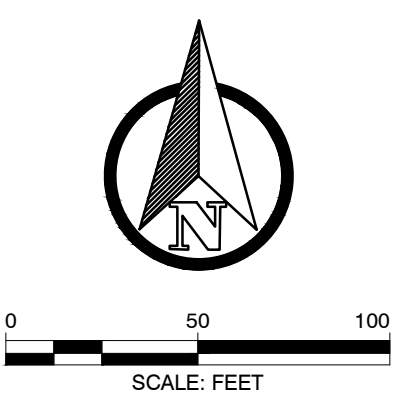
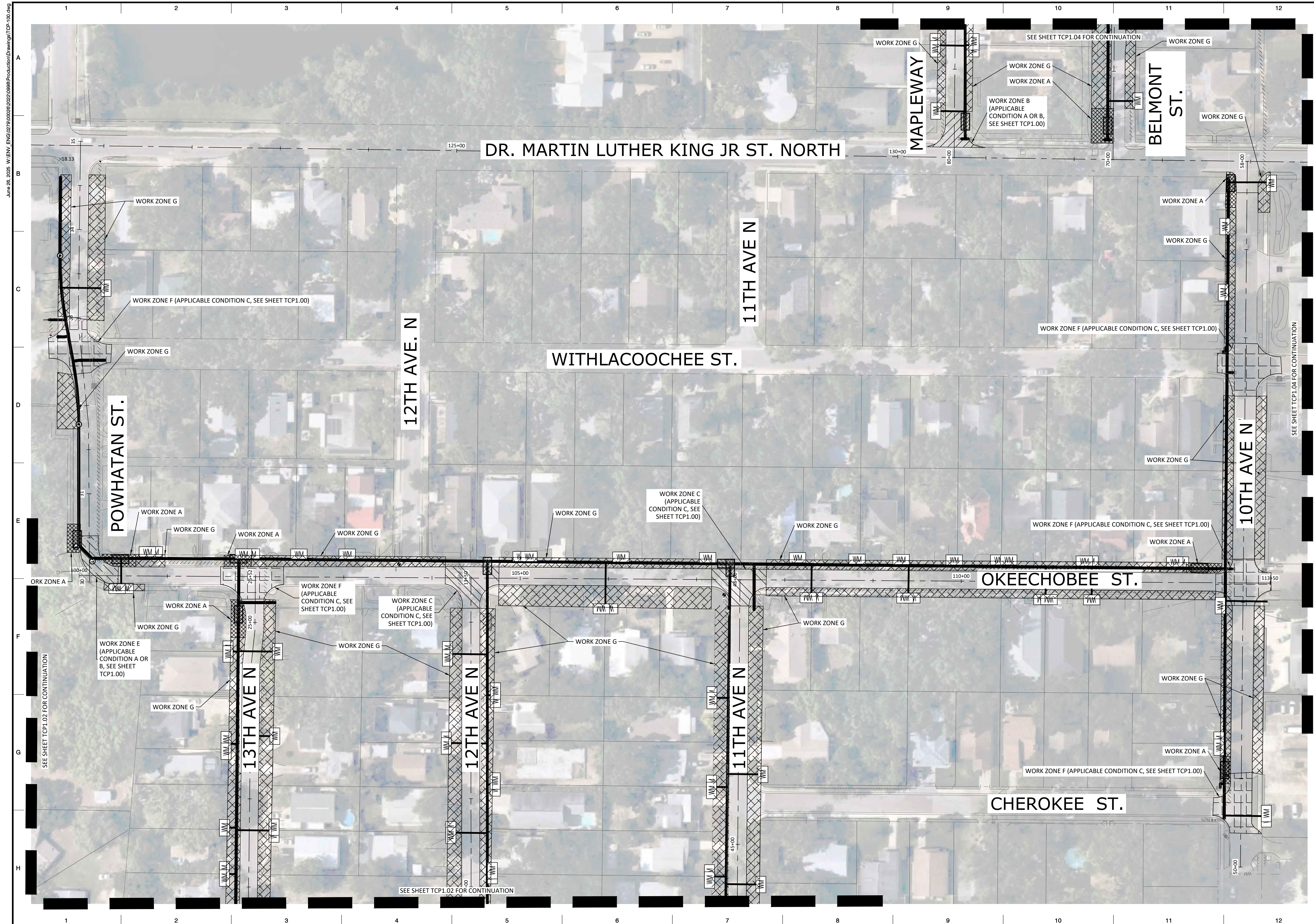


JOB NO:	0279-00026-2022-0998
DATE:	JUNE 2022

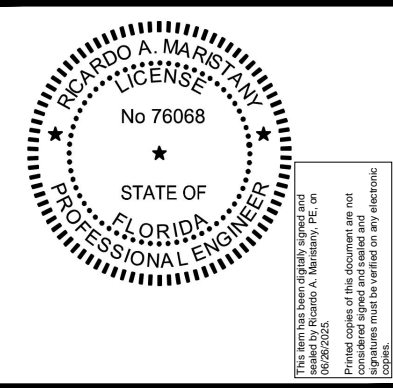
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BID DOCUMENTS

06/25/2025

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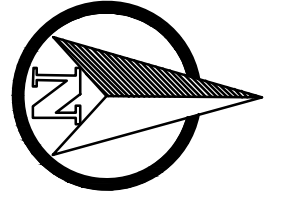
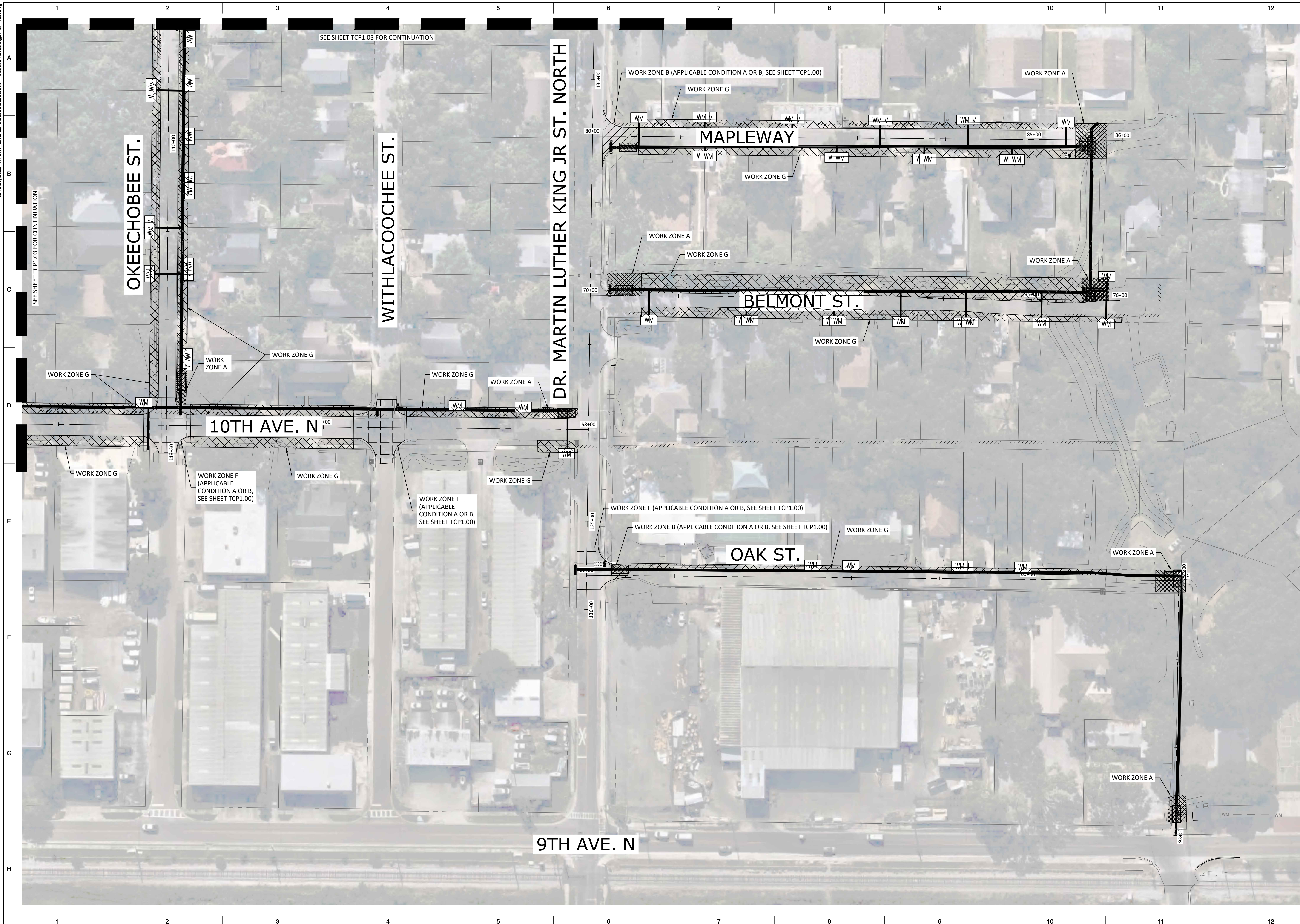
SEMINOLE PARK AND MAPLEWAY WATER MAIN REPLACEMENT (UT0096)	TRAFFIC CONTROL PLAN 4
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JOB NO:	0279-00026-2022-0998
DATE:	JUNE 2022

TCP1.04

BID DOCUMENTS
06/25/2025



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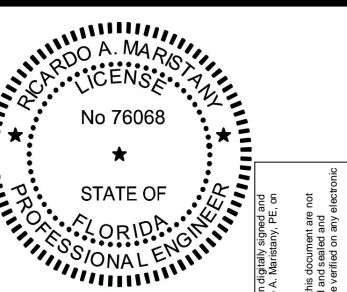
4921 Memorial Highway
One Memorial Center, Suite 300
Tampa, Florida 33634
Phone: (813) 880-8881
www.Ardurra.com
License #2610



Engineering Dept.
750 Main Street
Safety Harbor, Florida 34695
Phone (727) 724-1555

[illegible]**SEMINOLE PARK AND MAPLEWAY
WATER MAIN REPLACEMENT (UT0096)**

TRAFFIC CONTROL PLAN 5



B NO: 0279-00026-2022-0998

DATE: JUNE 2022

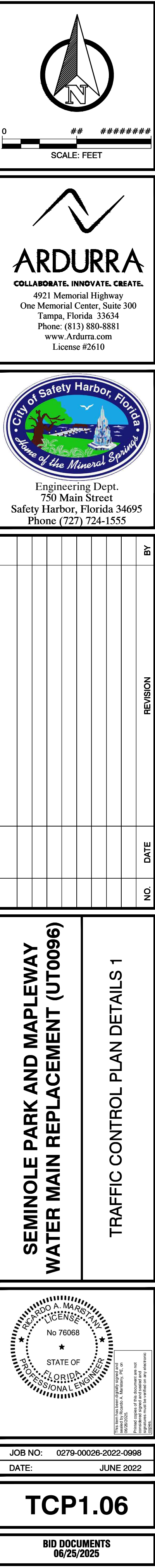
TCP1.05

ADDITIONAL DOCUMENTS

06/25/2025



DETAIL 2 - MAIN STREET DETOUR FOR CLOSURE AT 13TH AVE. S



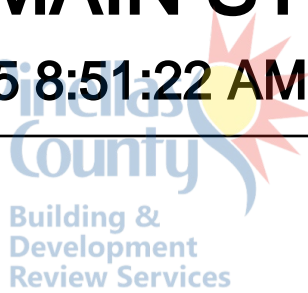
Seminole Park and Mapleway Water Main Replacement Project

Pinellas County Permit RUP-25-00226

RUP-25-00226

1331 MAIN ST, SAFETY HARBOR FL 34695

7/17/2025 8:51:22 AM



Reviewed for Code Compliance

General Conditions

RUP-25-00226	7/17/2025
Permit Number	Issued Date

PUBLICWORKS

Conditional Approved

- No lane closures shall be permitted during the peak travel times of 7-9am and 4-6pm.
- Please coordinate with the area inspector.
- All design and construction must conform to the minimum standards set down in Pinellas County Land Development, Zoning and/or related Ordinances, and Minimum Testing Frequency requirements.
- Signs and barricades shall be in accordance with the US Department of Transportation’s “Manual on Uniform Traffic Control Devices” and the Florida Department of Transportation’s “Standard Plans” Indexes 102-600 through 102-670 (latest editions). All proposed work must comply with F.D.O.T. Index No. 700.
- Safe pedestrian traffic is always to be maintained.
- Sidewalks are to be reconstructed within three (3) days after removal. When existing sidewalk is removed, it is to be removed to the nearest joint and placed back @ 6”.
- Disturbed area within the right of way/Easement will be compacted to 100% of maximum density and sodded.
- Notify Pinellas County Public Works Inspector Chad Madonia prior to beginning work. (727)-378-2042 or cmadonia@pinellascounty.org, 48 Hrs. Minimum Notice.
- Applicant must notify Ray Charles-Dacres with Pinellas County Public Works Stormwater Division with a minimum notice of 48 hours prior to commencing work within the public Rights-of-ways. Notification must be made by email at the SWLocate@co.pinellas.fl.us
- It is the responsibility of the applicant to document the existing condition of the right-of-way or Easement prior to beginning work. Documentation may be in the form of video or photos and must be provided to Pinellas County prior to commencing work. Refer to PC-1291 for pavement restoration.
- Before this Permit becomes effective, it will be necessary to contact the Utility Notification Center, "Call Sunshine", (1-800-432-4770) must be notified two full business days prior to construction.
- It is the responsibility of the applicant to procure all necessary permits that are required by agencies that are affected by the proposed construction
- Lane closure must have prior approval and be scheduled 48 Hours in advance with Pinellas County Public Works and shall not occur during peak hour periods of 7AM to 9AM and 4PM to 6PM.
- Contractor shall use best management practices and provide stormwater protection devices to any stormwater inlets downstream of the work area. Contractor shall also provide erosion control measures to avoid sediment from being discharge into stormwater inlets and roadside drains.
- No stockpiling of material anywhere in the Right-of-Way.
- All dirt and debris shall be removed daily. Roads and sidewalk must be swept daily as part of the daily clean-up.

General Notes

PUBLICWORKS

VMB

Public Works recommends that Variable Message Boards (VMBs) be placed at least two weeks in advance of any planned road closure to provide adequate public notice. It is also recommended that VMBs remain onsite for the duration of the project to offer ongoing updates and advance warning of any future closures or changes in traffic patterns.

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2. THE EXISTING POSTED SPEED LIMITS WILL BE MAINTAINED UNLESS OTHERWISE NOTED IN THE PLANS.

4. A DISCUSSION OF ANY PROPOSED LANE CLOSURE OPERATIONS WILL BE MADE PART OF ALL PRECONSTRUCTION CONFERENCES. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A WRITTEN PLAN WHICH DETAILS EACH ACTIVITY INVOLVED IN THE LANE CLOSURE. THE PLAN SHALL INCLUDE BACK-UP PLANS FOR ACTIVITIES CRITICAL TO REOPENING LANES TO TRAFFIC. THE BACK-UP PLAN SHALL INCLUDE PROVISIONS FOR ALL SUBCONTRACTOR OPERATIONS AS WELL AS THE PRIME CONTRACTOR'S. NO LANE CLOSURE WILL BE ALLOWED WITHOUT A PLAN TO ACHIEVE REOPENING ACCORDING TO THE CONTRACT. AN EXAMPLE OF AN ACCEPTABLE BACK-UP PLAN WOULD INCLUDE THE CONTRACTOR CHOOSING TO HAVE TEMPORARY TAPE ON HAND. TIMELY REOPENING OF ANY CLOSED LANE(S) IS CRITICAL FOR THIS PROJECT AND THE CONTRACTOR SHALL TAKE ALL ACTIONS POSSIBLE TO ENSURE REOPENING TAKES PLACE AS STIPULATED.

6. EXISTING SIGNS SHALL BE MAINTAINED AT ALL TIMES. DURABLE OPAQUE SHEET OVERLAY PANELS SHALL BE USED TO COVER INAPPROPRIATE INFORMATION ON NEW OR EXISTING SIGNS WHERE REQUIRED BY THE ENGINEER. THE PANEL SHALL BE PLACED IN A MANNER THAT DOES NOT DAMAGE THE EXISTING SIGN. NO FABRIC OR PLASTIC FILM WILL BE ALLOWED.

8. FOR DROP-OFFS IN WORK ZONES THE CONTRACTOR IS DIRECTED TO THE REQUIREMENTS OF STANDARD INDEX NO. 102-600. THE CONTRACTOR SHALL ONLY EXCAVATE OR MILL AN AREA THAT CAN BE BROUGHT BACK WITHIN THE DROP-OFF CRITERIA OF INDEX NO. 102-600 WITHIN THE SAME DAY / NIGHT OPERATION. FOR CLEAR ZONE WIDTHS FOR WORK ZONES, SEE FOOT INDEX NO. 102-600. ALL TRENCHES SHALL BE BACKFILLED COMPLETELY TO PROVIDE SAFE CROSSING BY THE END OF EACH WORK DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE.

10. THE CONTRACTOR SHALL MAINTAIN PROPER DRAINAGE FOR ALL PHASES OF CONSTRUCTION. ADDITIONAL DETAILS AND STRUCTURES NOT SHOWN IN THE WZTC PLANS MAY BE NECESSARY DEPENDING UPON CONTRACTOR METHODS OF CONSTRUCTION.

12. CONTRACTOR SHALL PROVIDE AT LEAST ONE WEEK OF NOTICE THROUGH THE USE OF MESSAGE BOARDS FOR THE WORK SCHEDULED.

14. MAINTAIN/REROUTE PEDESTRIAN TRAFFIC PER FDOT INDEX 102-660 AND MUTCD, LATEST EDITION. ALL TEMPORARY PEDESTRIAN WAYS OR CURB RAMPS SHOULD BE AMERICANS WITH DISABILITIES (ADA) COMPLIANT.

15. ALL CONSTRUCTION ACTIVITIES, INCLUDING EQUIPMENT AND/OR MATERIAL STAGING MUST BE DONE IN THE WORK ZONE. PROTECT WORK ZONE FROM VEHICULAR AND PEDESTRIAN INTRUSION. UTILIZE TYPE III BARRICADES AND TEMPORARY BARRIER TO PREVENT VEHICULAR INTRUSION AND LONGITUDINAL CHANNELIZATION DEVICES TO PREVENT PEDESTRIAN INTRUSION. ALL APPLICABLE DEVICES SHOULD BE LISTED ON THE FOOT APL.

16. FOR ANY WORK ACTIVITIES WITHIN THE EXISTING ROADWAY RIGHT-OF-WAY BUT NO CLOSER THAN 2' TO THE EDGE OF TRAVEL, FDOT INDICES 102-601 AND 102-602 SHALL APPLY.

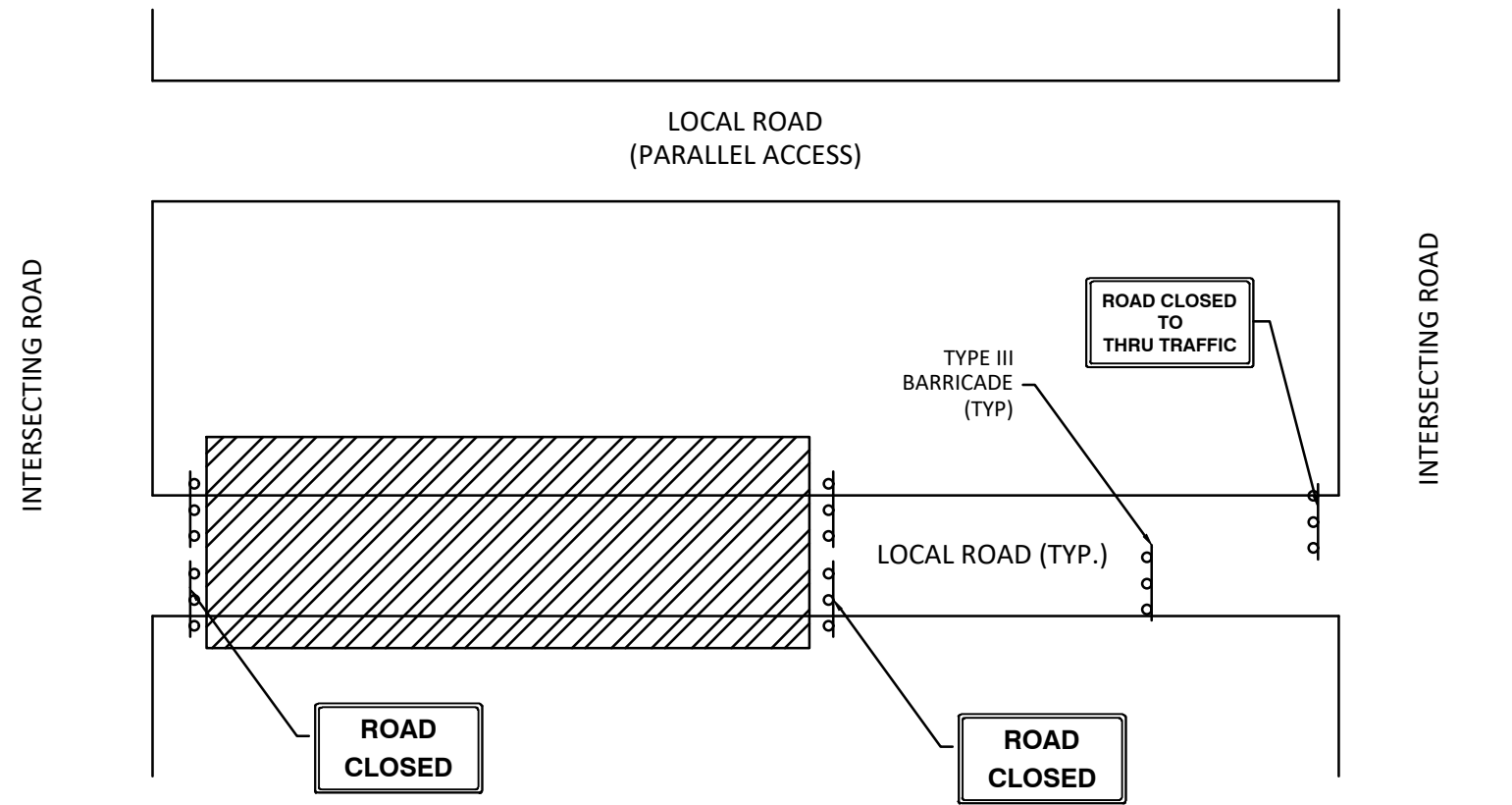
17. ROAD CLOSURES SHALL NOT OCCUR OVER CONSECUTIVE INTERSECTIONS.

18. PERMITTED WORK SCHEDULE SHALL BE LIMITED TO OCCUR BETWEEN MONDAY TO FRIDAY AND FROM 8:00 AM TO 5:00 PM

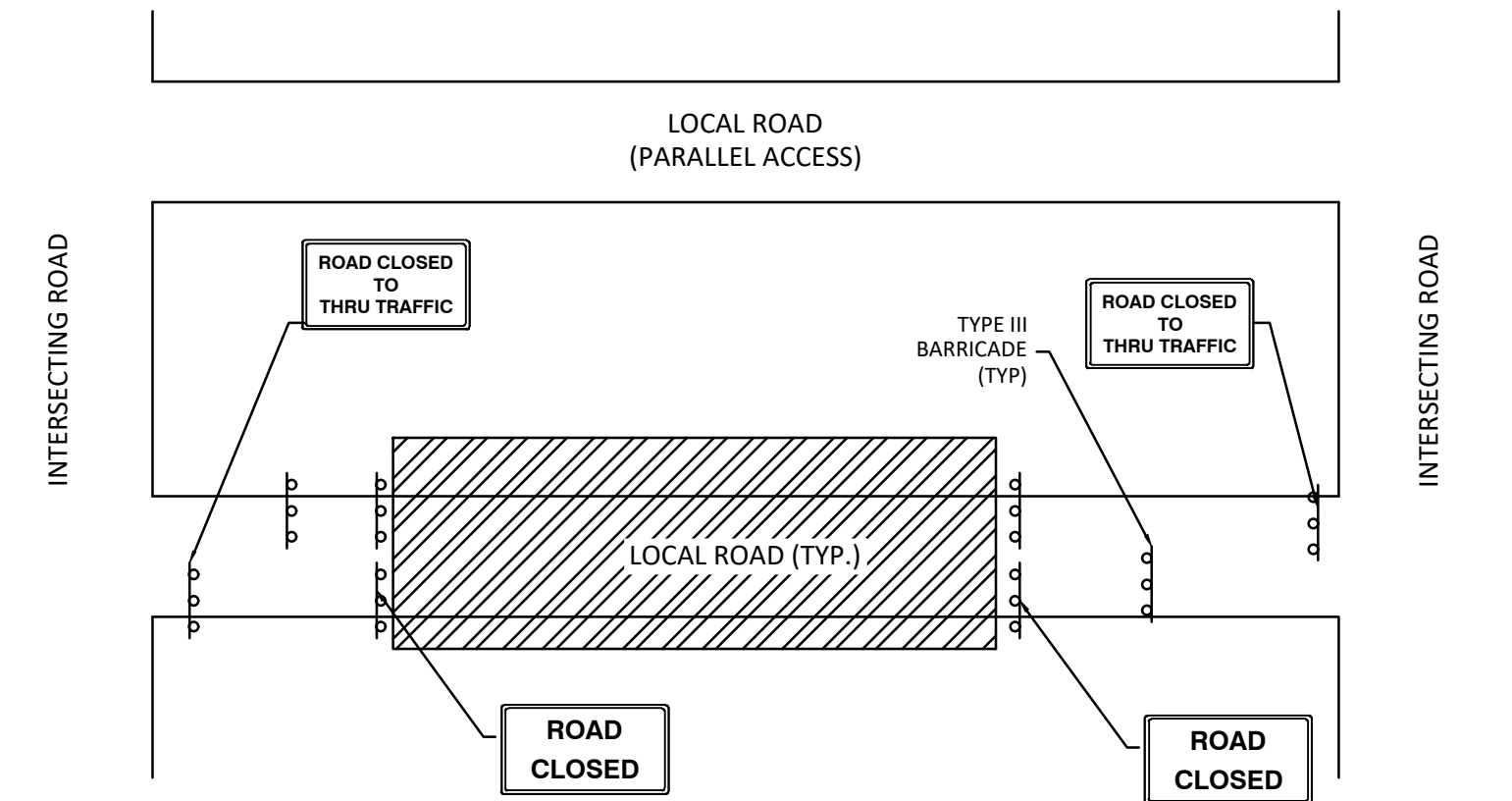
19. LANE CLOSURES ALONG MAIN ST ARE NOT PERMITTED BETWEEN THE HOURS OF 7:00 AM TO 9:00 AM AND 4:00 PM TO 6:00 PM.

20. ROAD CLOSURES ALONG MAIN ST ARE ONLY PERMITTED ON SUNDAY THROUGH THURSDAY NIGHTS FROM 10:00 PM TO 5:00 AM.

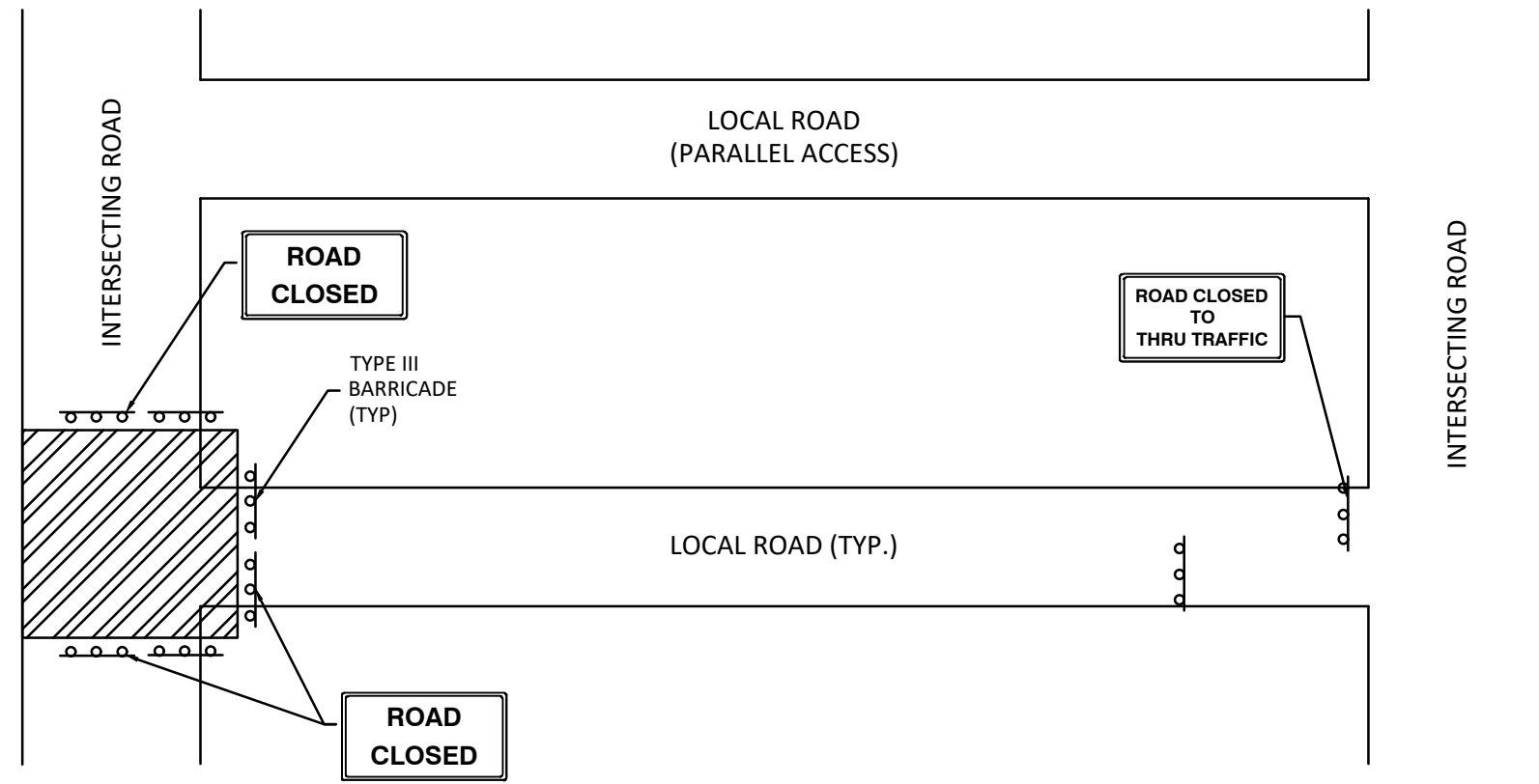
21. PLACE AN ADVANCE WARNING, INCLUDING AT LEAST ONE CHANGEABLE MESSAGE SIGN (CMS), A MINIMUM OF TWO WEEKS BEFORE THE ROAD CLOSURE. THE CMS MUST DISPLAY THE CLOSURE TIMEFRAME. COORDINATE WITH THE CONSTRUCTION MANAGER TO FINALIZE THE MESSAGE CONTENT.



CONDITION A - WHEN WORK ZONE IS NEAREST THE INTERSECTING ROAD



CONDITION B - WHEN WORK ZONE IS FURTHER THAN THE NEAREST/FIRST ACCESS DRIVE FROM THE INTERSECTING ROAD



CONDITION C - WHEN WORK ZONE IS IN INTERSECTION OF LOCAL ROAD AND INTERSECTING ROAD

LEGEND

WORK ZONE

TYPE III BARRICADE

LOCAL ROAD CLOSURE DETAIL

(N.T.S.)

[illegible]

**SEMINOLE PARK AND MAPLEWAY
WATER MAIN REPLACEMENT (UT0096)**

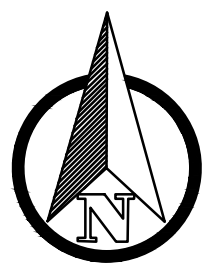
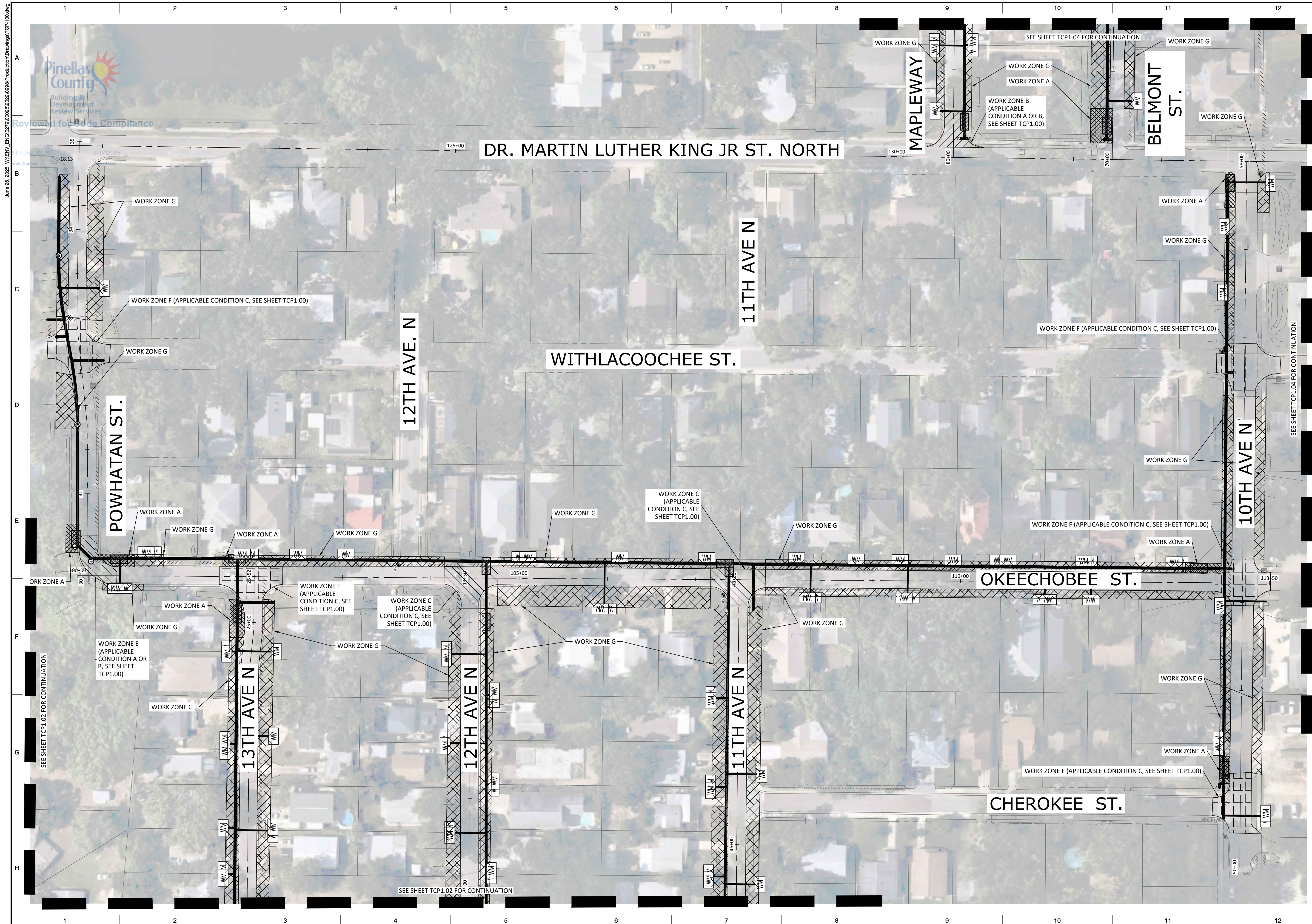
TRAFFIC CONTROL PLAN 1



JOB NO: 0279-00026-2022-0998

TCP1.01

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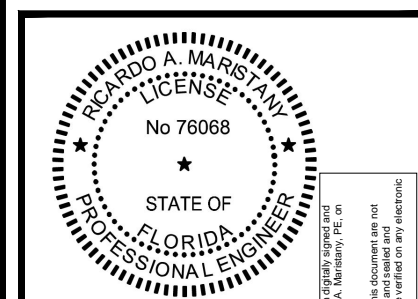


Engineering Dept.
750 Main Street
Safety Harbor, Florida 34695
Phone (727) 724-1555

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**SEMINOLE PARK AND MAPLEWAY
WATER MAIN REPLACEMENT (UT0096)**

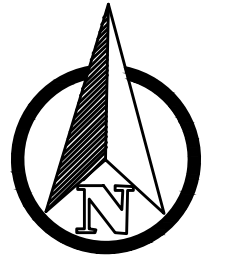
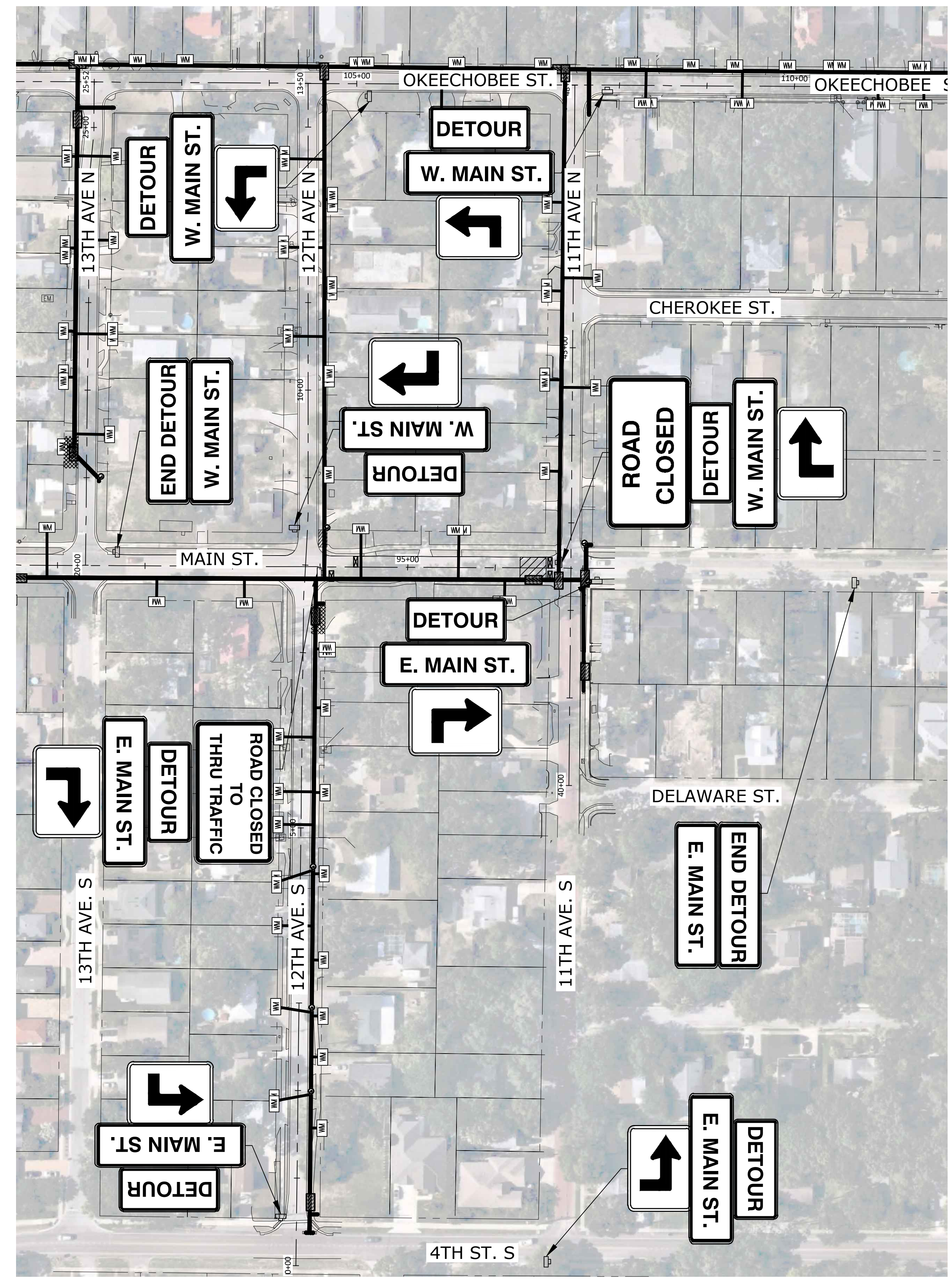
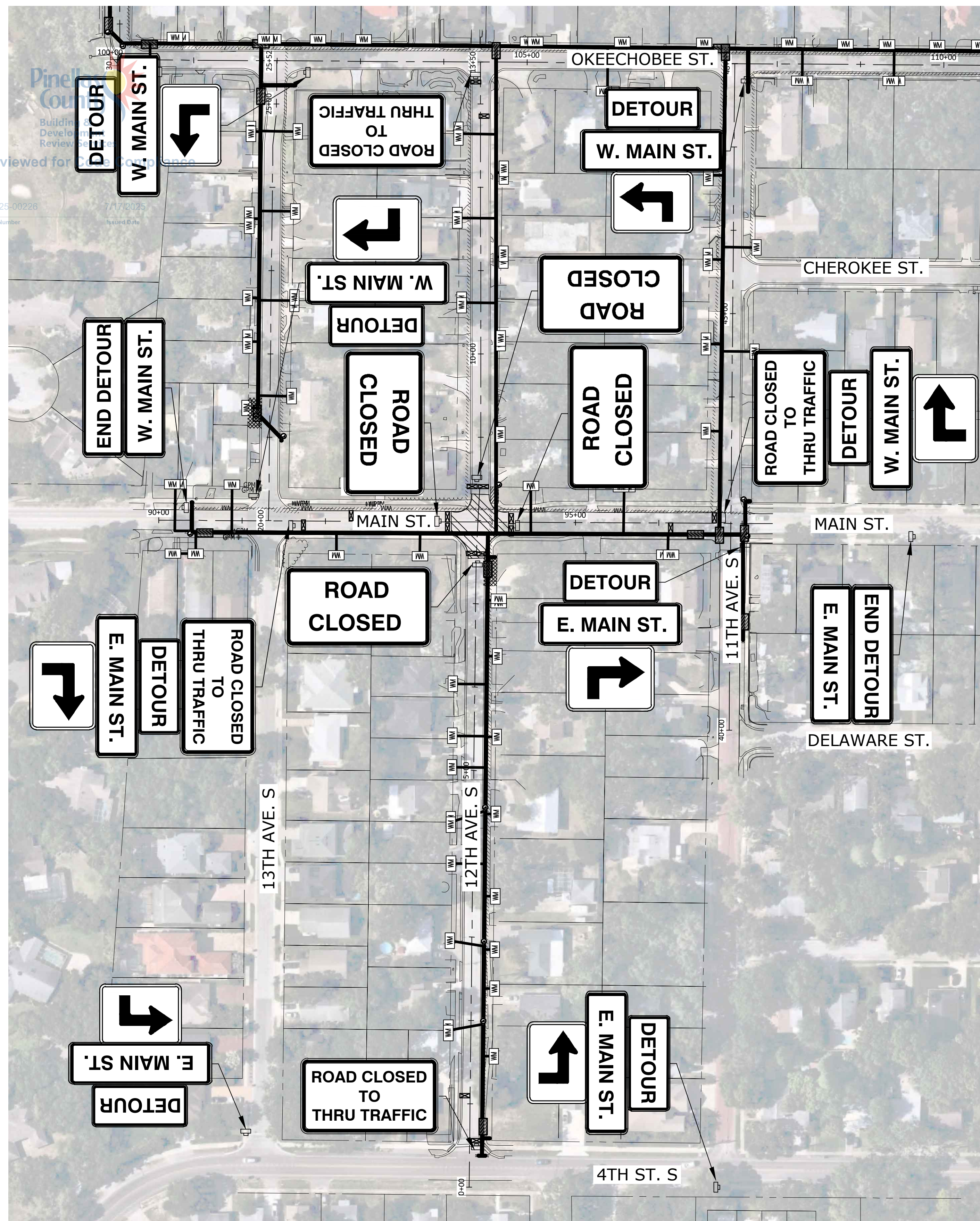
TRAFFIC CONTROL PLAN 4



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DATE:	JUNE 2022

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SCALE: FEET



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WATER MAIN REPLACEMENT (UT0096)

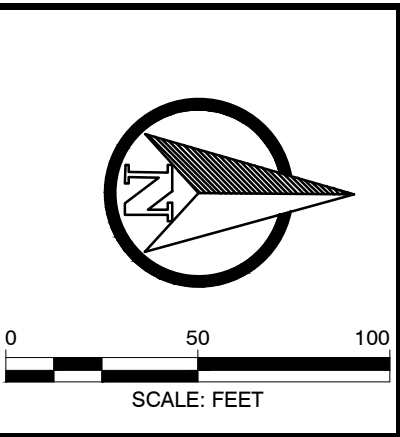
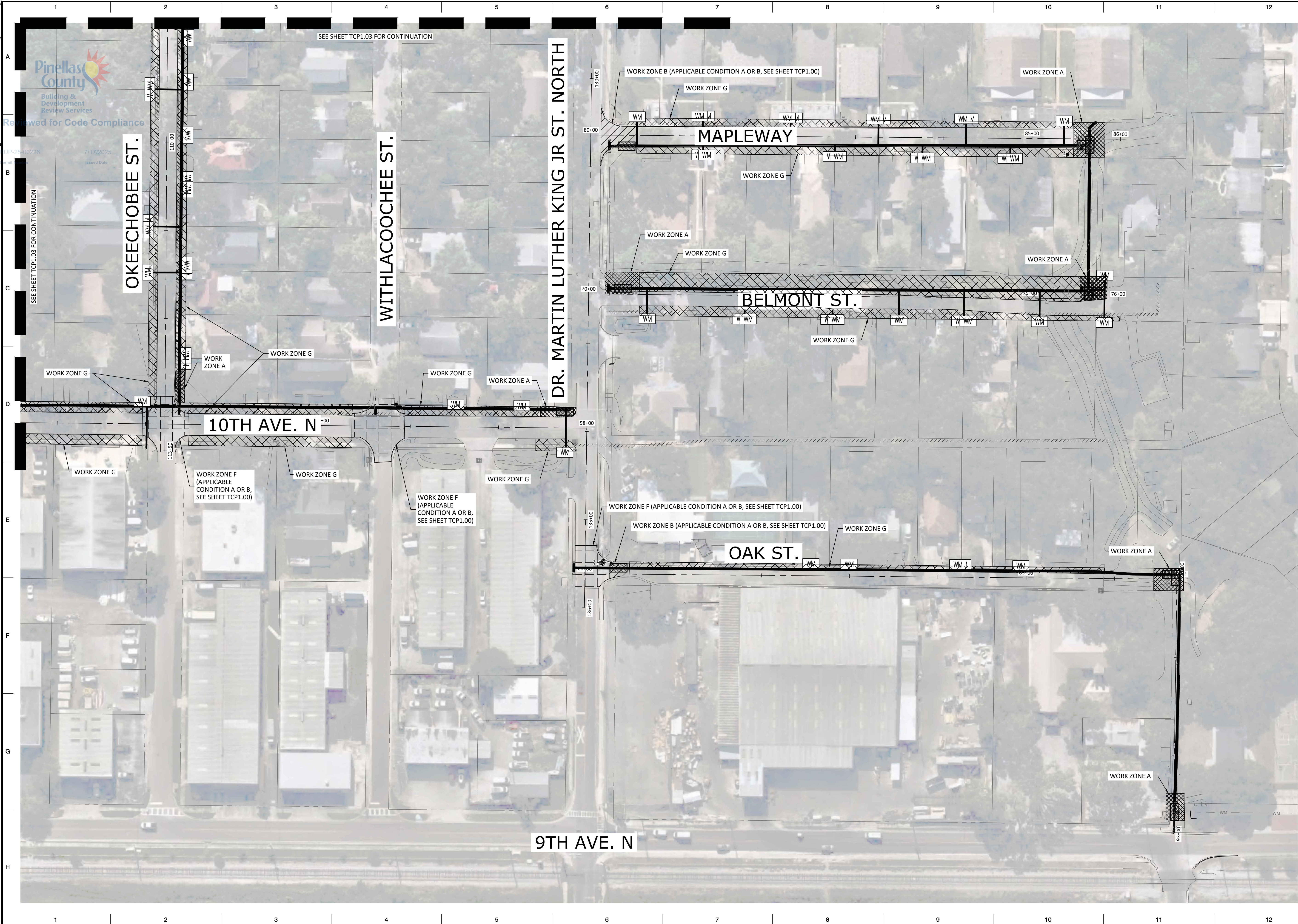
TRAFFIC CONTROL PLAN DETAILS 1

JOB NO: 0279-00026-2022-0998
DATE: JUNE 2022

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June 26, 2025 W:\ENV\ ENG\0279\00026\2022\0998\Production\Drawings\TCP-100.dwg



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Office of the Municipal Engineer
Engineering Dept.
750 Main Street
Safety Harbor, Florida 34695
Phone (727) 724-1555

NO.	DATE	REVISION	BY

**SEMINOLE PARK AND MAPLEWAY
WATER MAIN REPLACEMENT (UT0096)**

TRAFFIC CONTROL PLAN 5

PROFESSIONAL ENGINEER
No. 76068
STATE OF FLORIDA
Professional Seal

JOB NO: 0279-00026-2022-0998
DATE: JUNE 2022

TCP1.05

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06/25/2025

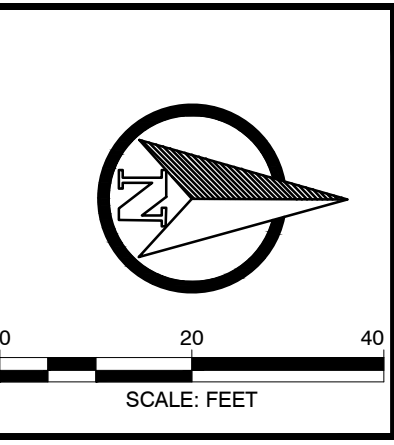
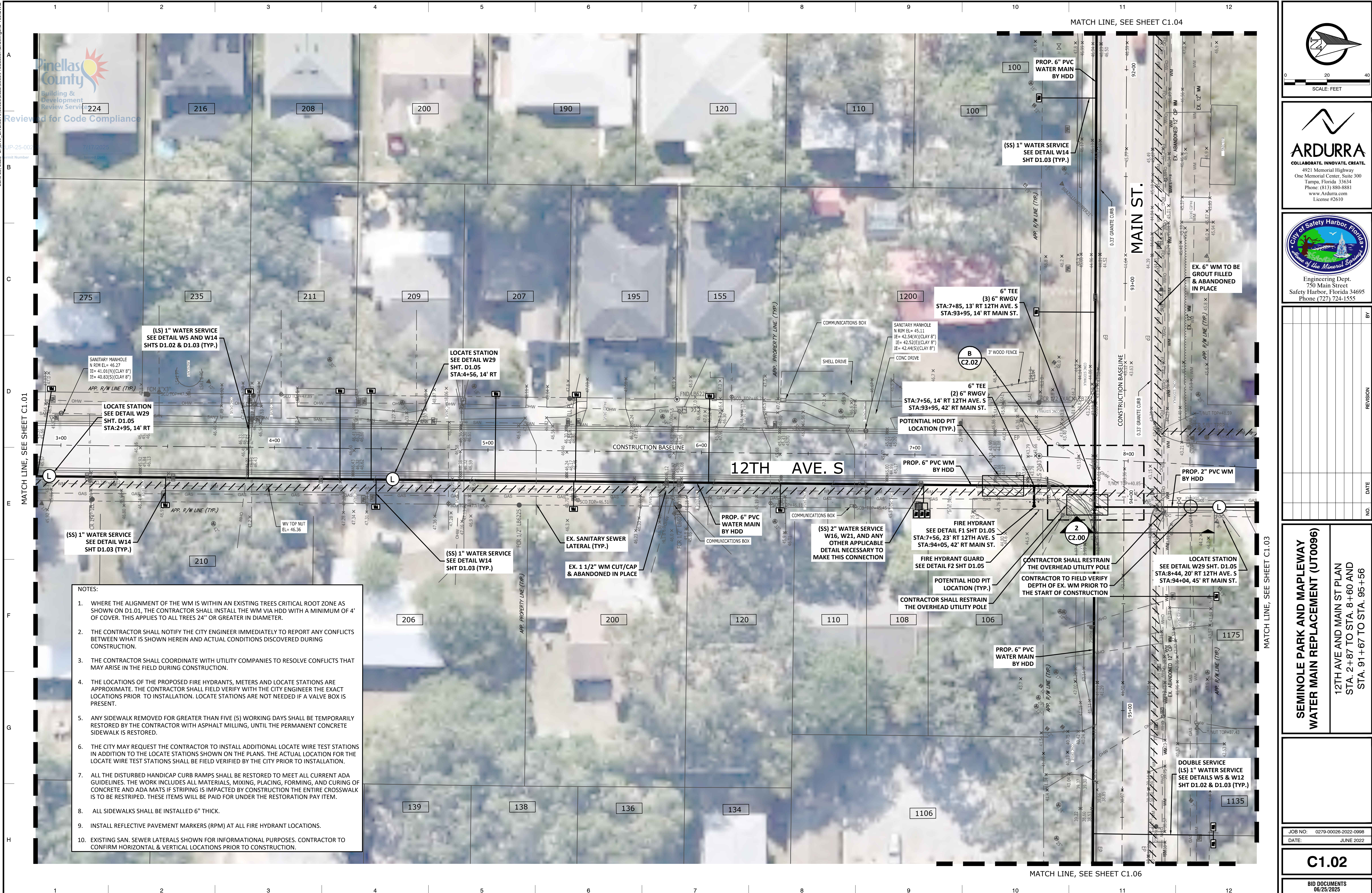
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ROD A. MARISTANY
LICENSE
No 76068
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

legally signed and
transmitted by
e-mailing, P.E. on
this document are not
valid and shall not be
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NO.	DATE	REVISION	BY

**SEMINOLE PARK AND MAPLEWAY
WATER MAIN REPLACEMENT (UT0096)**

12TH AVE AND MAIN ST PLAN
STA. 2+87 TO STA. 8+60 AND
STA. 91+67 TO STA. 95+56

JOB NO.: 0279-00026-2022-0998
DATE: JUNE 2022

C1.02

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06/25/2025



- NOTES:
1. WHERE THE ALIGNMENT OF THE WM IS WITHIN AN EXISTING TREES CRITICAL ROOT ZONE AS SHOWN ON D1.01, THE CONTRACTOR SHALL INSTALL THE WM VIA HDD WITH A MINIMUM OF 4' OF COVER. THIS APPLIES TO ALL TREES 24" OR GREATER IN DIAMETER.
 2. THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER IMMEDIATELY TO REPORT ANY CONFLICTS BETWEEN WHAT IS SHOWN HEREIN AND ACTUAL CONDITIONS DISCOVERED DURING CONSTRUCTION.
 3. THE CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES TO RESOLVE CONFLICTS THAT MAY ARISE IN THE FIELD DURING CONSTRUCTION.
 4. THE LOCATIONS OF THE PROPOSED FIRE HYDRANTS, METERS AND LOCATE STATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY WITH THE CITY ENGINEER THE EXACT LOCATIONS PRIOR TO INSTALLATION. LOCATE STATIONS ARE NOT NEEDED IF A VALVE BOX IS PRESENT.
 5. ANY SIDEWALK REMOVED FOR GREATER THAN FIVE (5) WORKING DAYS SHALL BE TEMPORARILY RESTORED BY THE CONTRACTOR WITH ASPHALT MILLING, UNTIL THE PERMANENT CONCRETE SIDEWALK IS RESTORED.
 6. THE CITY MAY REQUEST THE CONTRACTOR TO INSTALL ADDITIONAL LOCATE WIRE TEST STATIONS IN ADDITION TO THE LOCATE STATIONS SHOWN ON THE PLANS. THE ACTUAL LOCATION FOR THE LOCATE WIRE TEST STATIONS SHALL BE FIELD VERIFIED BY THE CITY PRIOR TO INSTALLATION.
 7. ALL THE DISTURBED HANDICAP CURB RAMPS SHALL BE RESTORED TO MEET ALL CURRENT ADA GUIDELINES. THE WORK INCLUDES ALL MATERIALS, MIXING, PLACING, FORMING, AND CURING OF CONCRETE AND ADD MATS IF STRIPING IS IMPACTED BY CONSTRUCTION THE ENTIRE CROSSWALK IS TO BE RESTRIPTED. THESE ITEMS WILL BE PAID FOR UNDER THE RESTORATION PAY ITEM.
 8. ALL SIDEWALKS SHALL BE INSTALLED 6" THICK.
 9. INSTALL REFLECTIVE PAVEMENT MARKERS (RPM) AT ALL FIRE HYDRANT LOCATIONS.
 10. EXISTING SAN. SEWER LATERALS SHOWN FOR INFORMATIONAL PURPOSES. CONTRACTOR TO CONFIRM HORIZONTAL & VERTICAL LOCATIONS PRIOR TO CONSTRUCTION.



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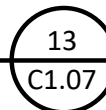
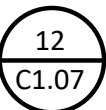
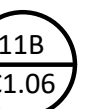
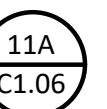
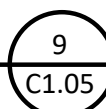
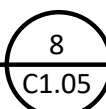
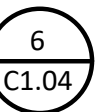
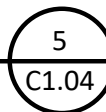
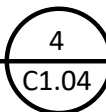
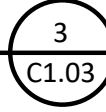
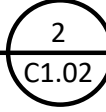
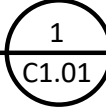
**SEMINOLE PARK AND MAPLEWAY
WATER MAIN REPLACEMENT (UT0096)**

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TA. 40+25 TO STA. 43+11 AND
STA. 95+56 TO STA. 97+19

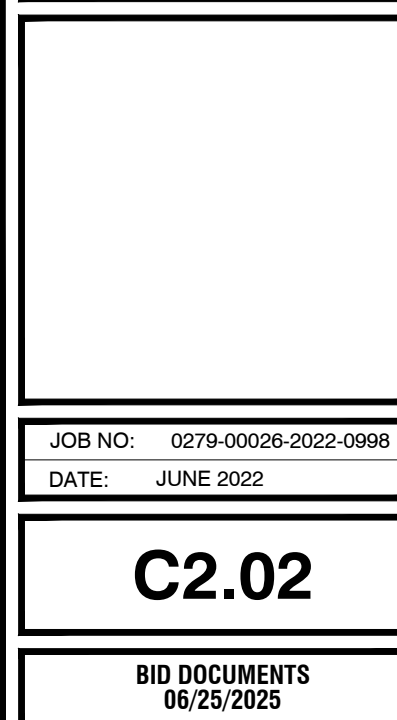
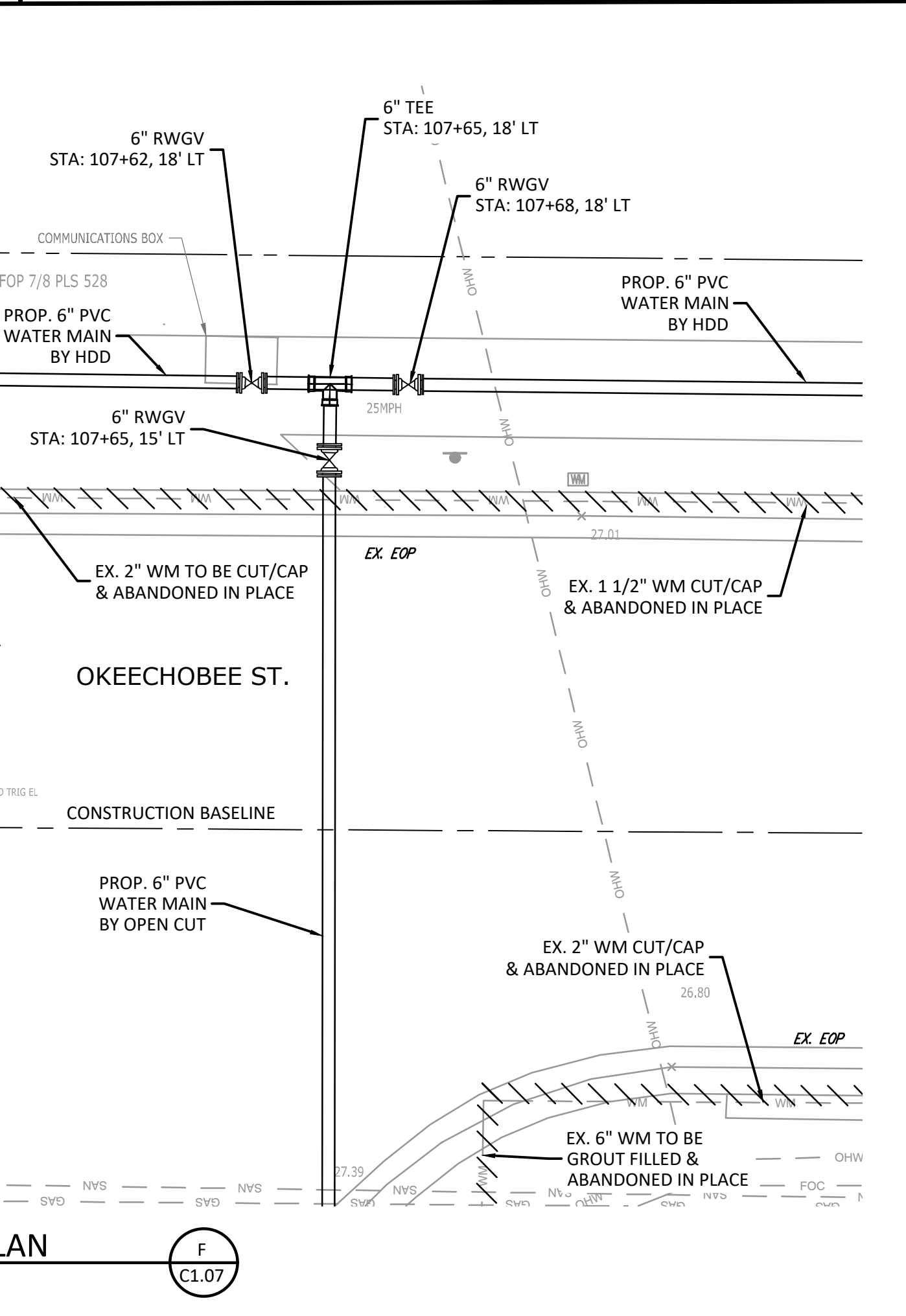
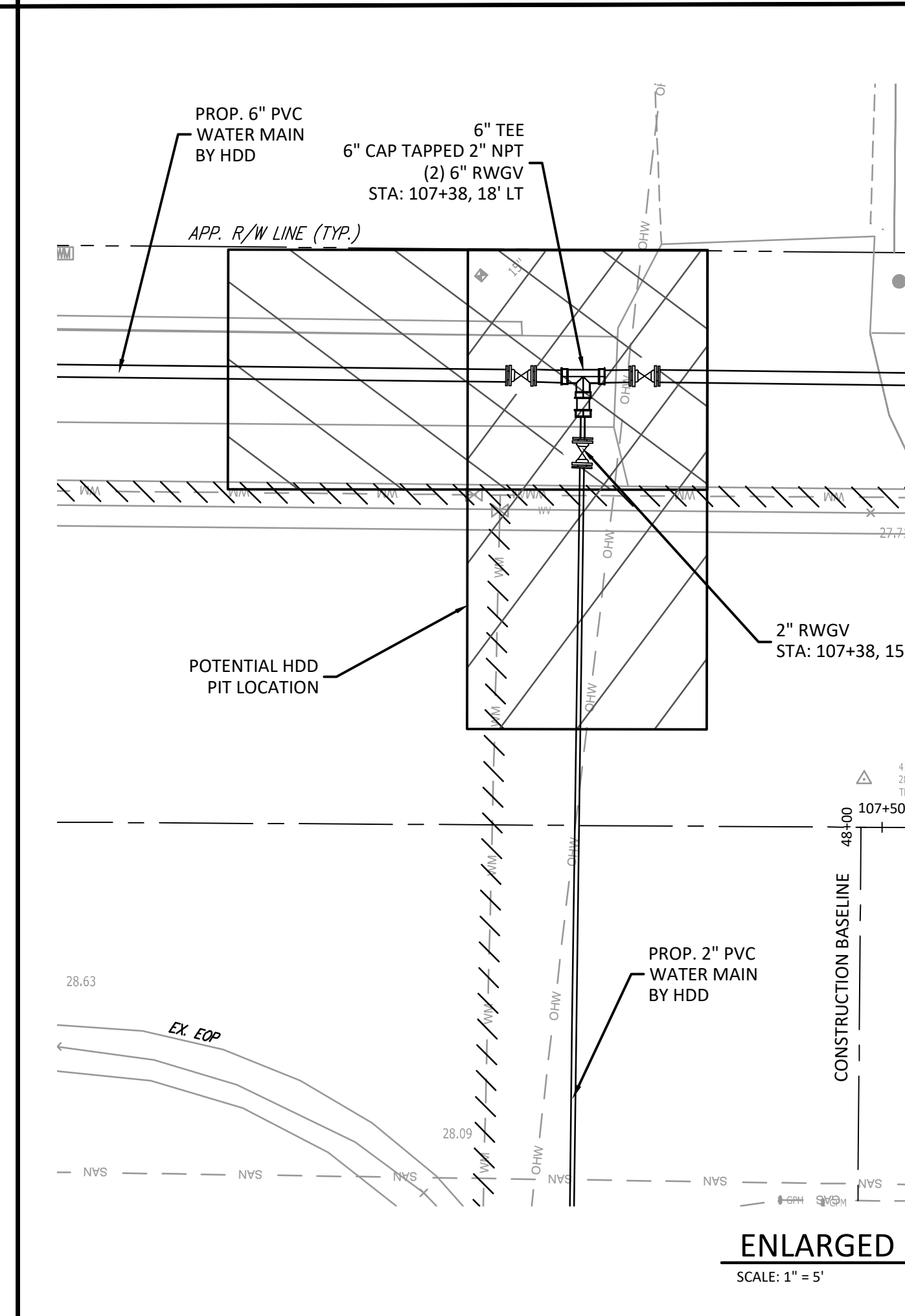
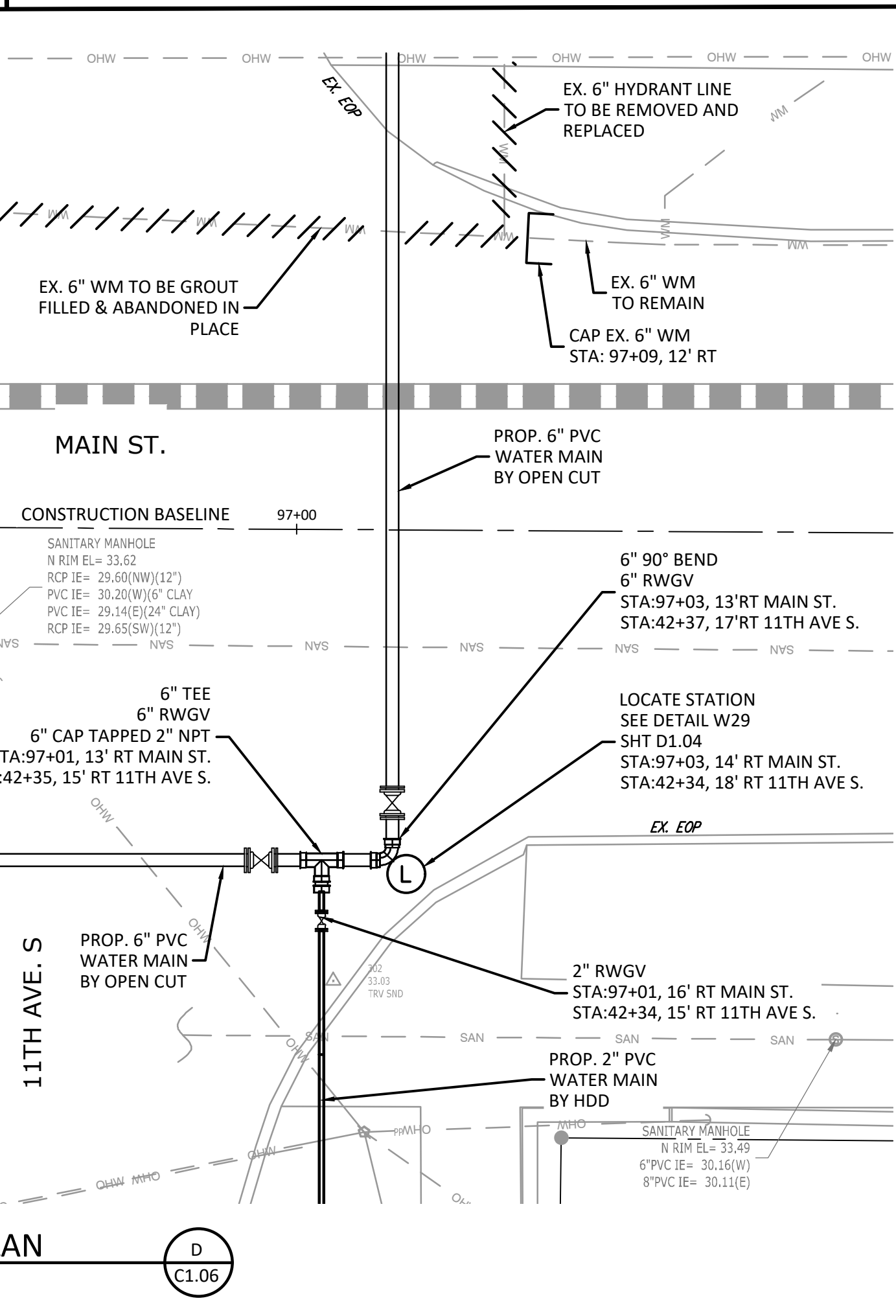
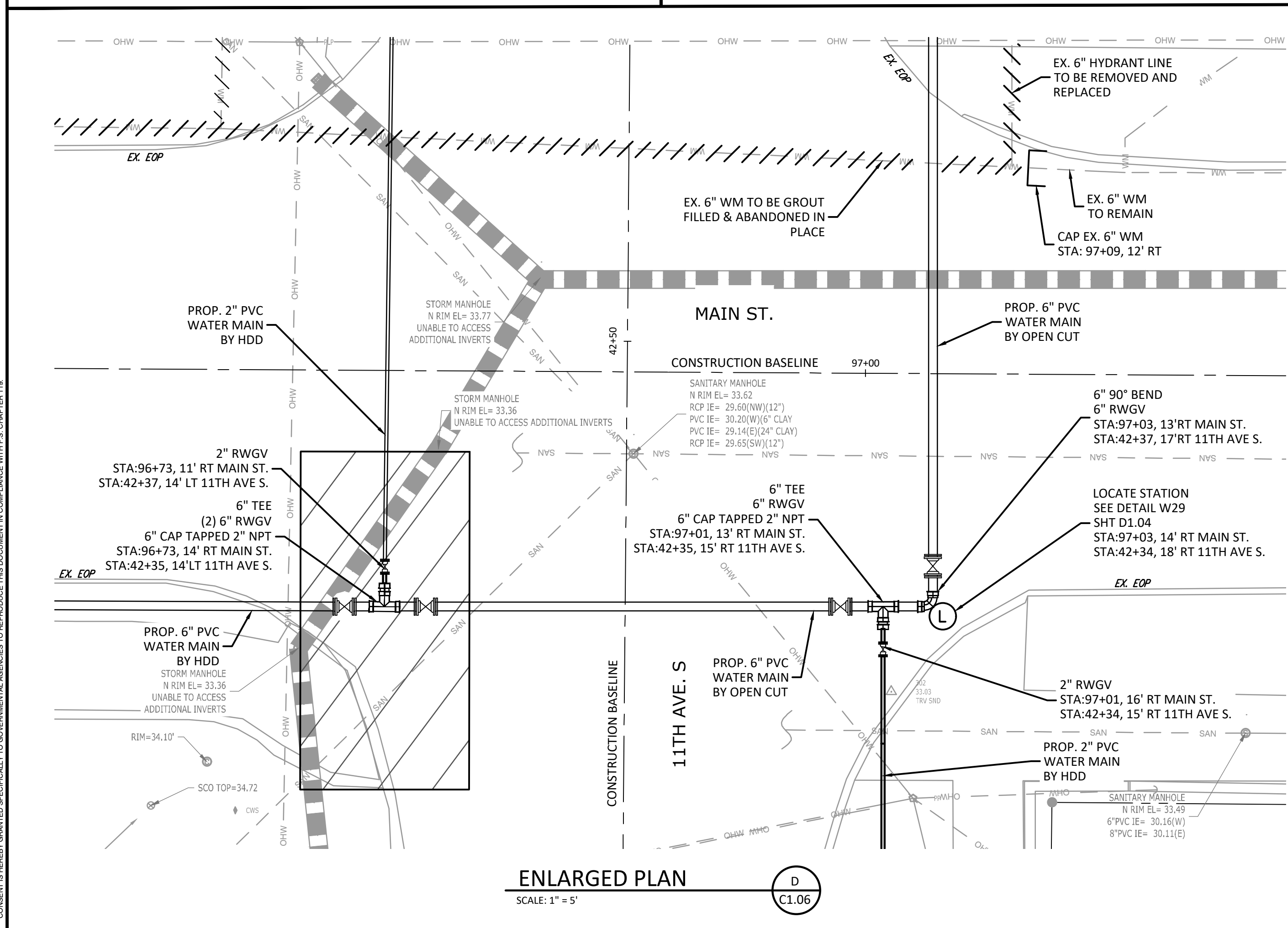
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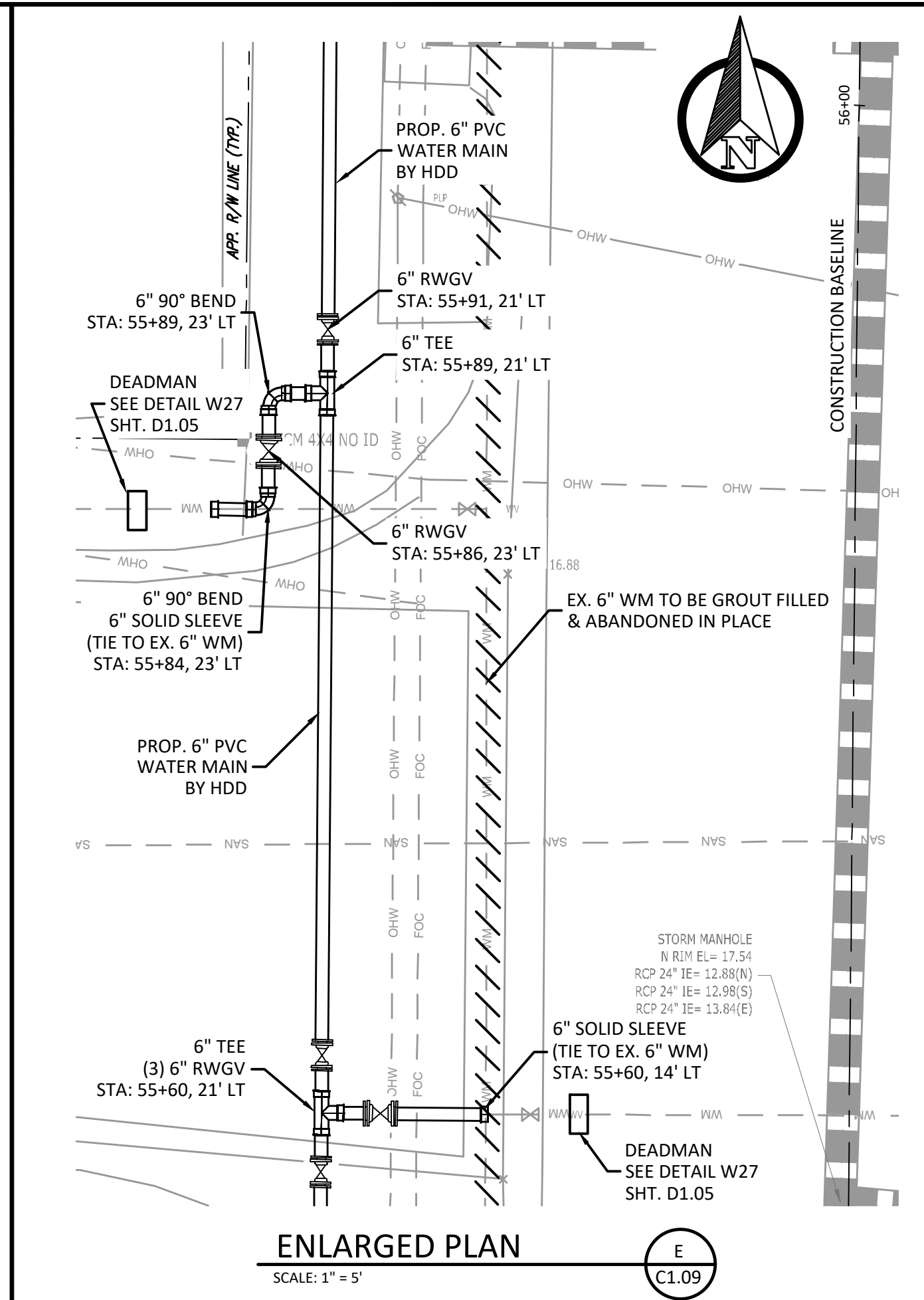
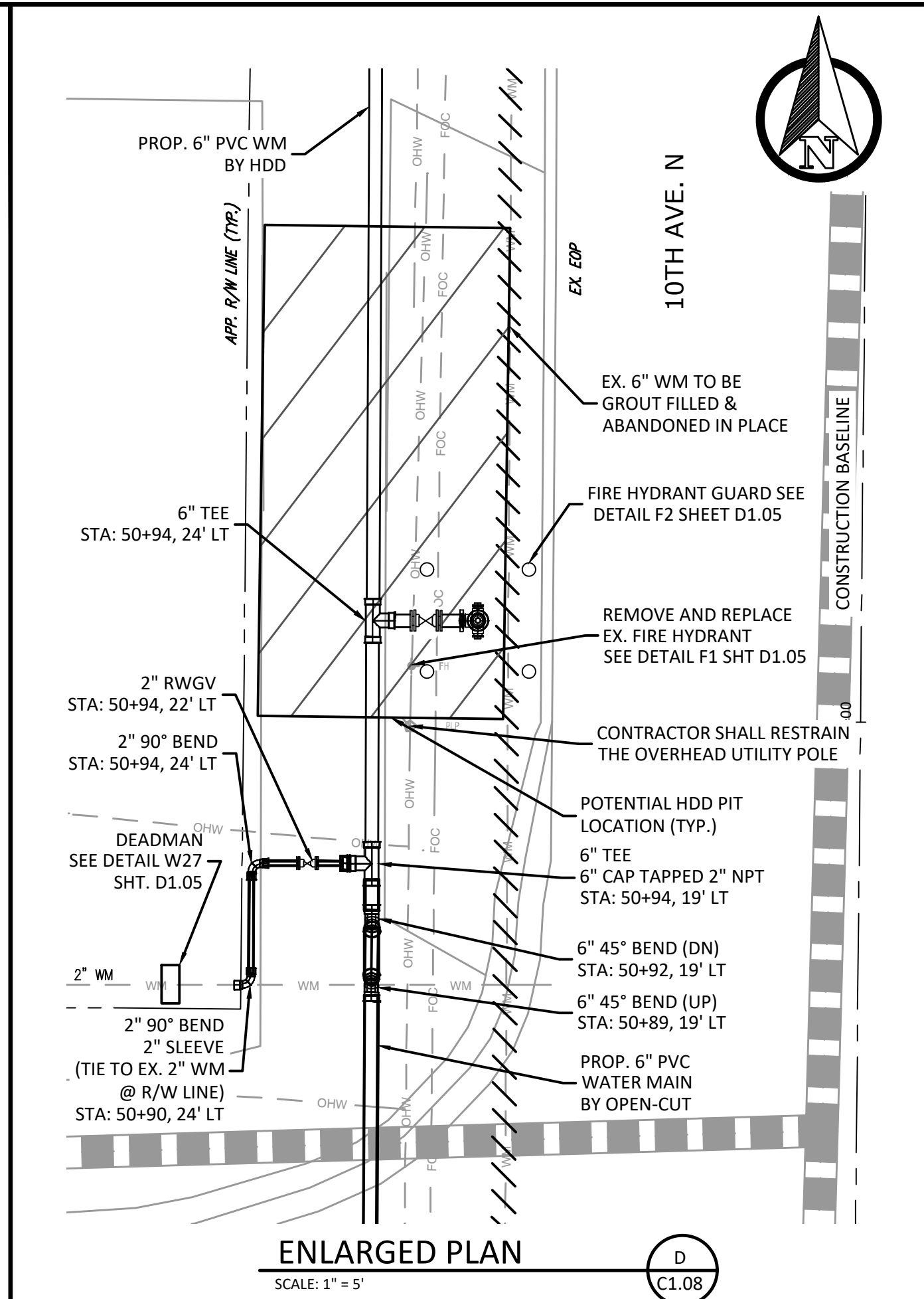
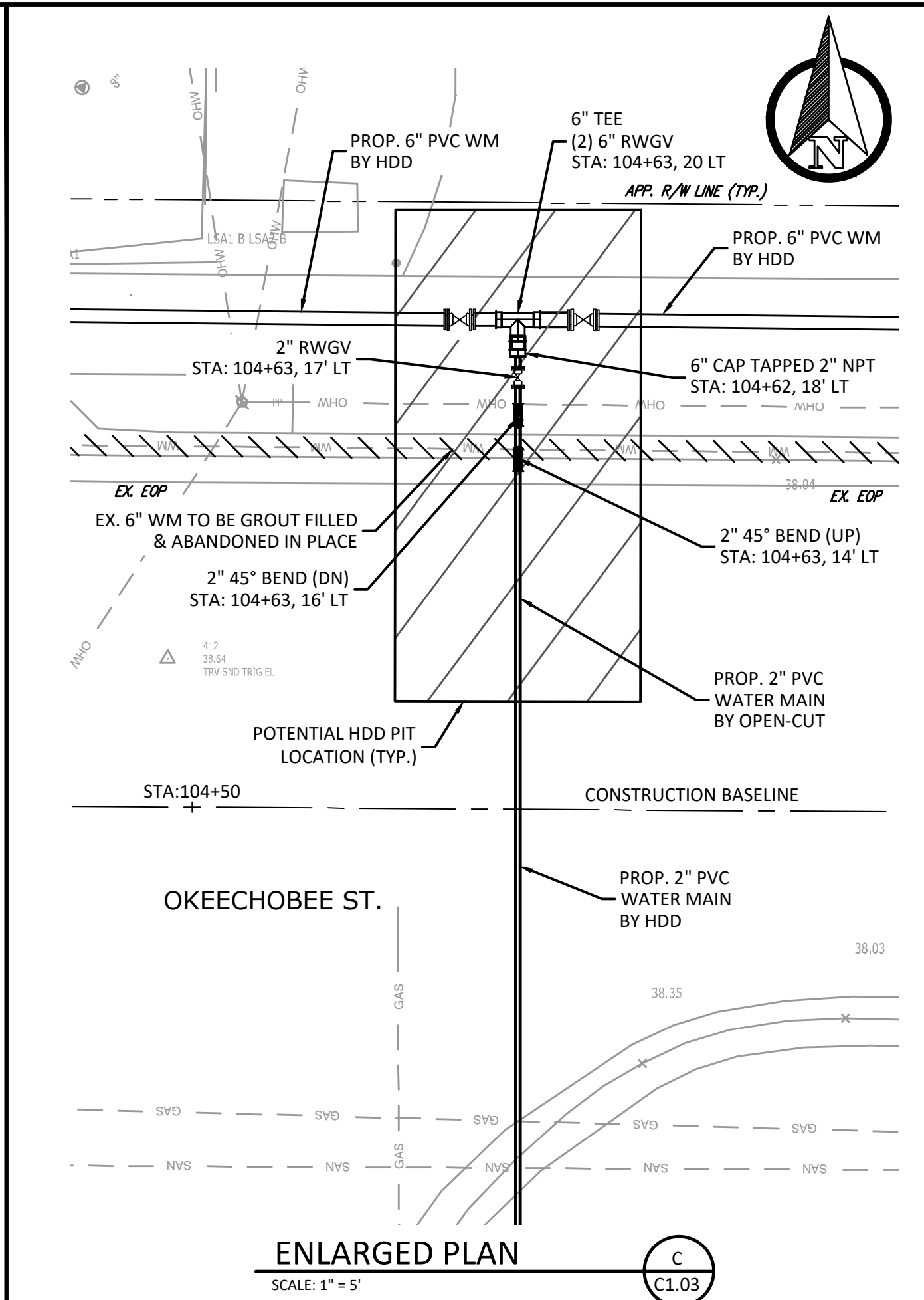
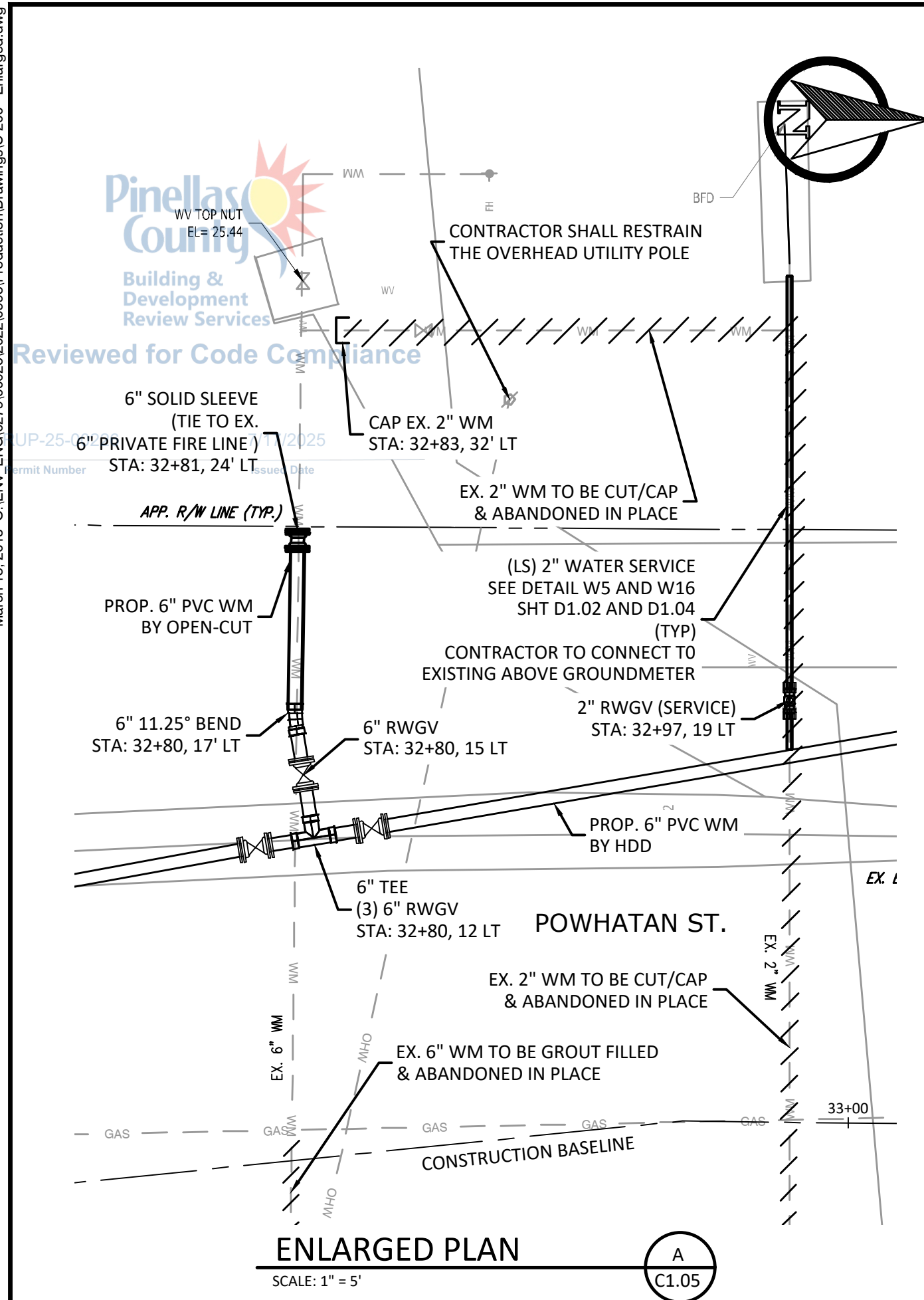
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<p>SEMINOLE PARK AND MAPLEWAY WATER MAIN REPLACEMENT (UT0096)</p>	<p>CROSS SECTIONS (1)</p>



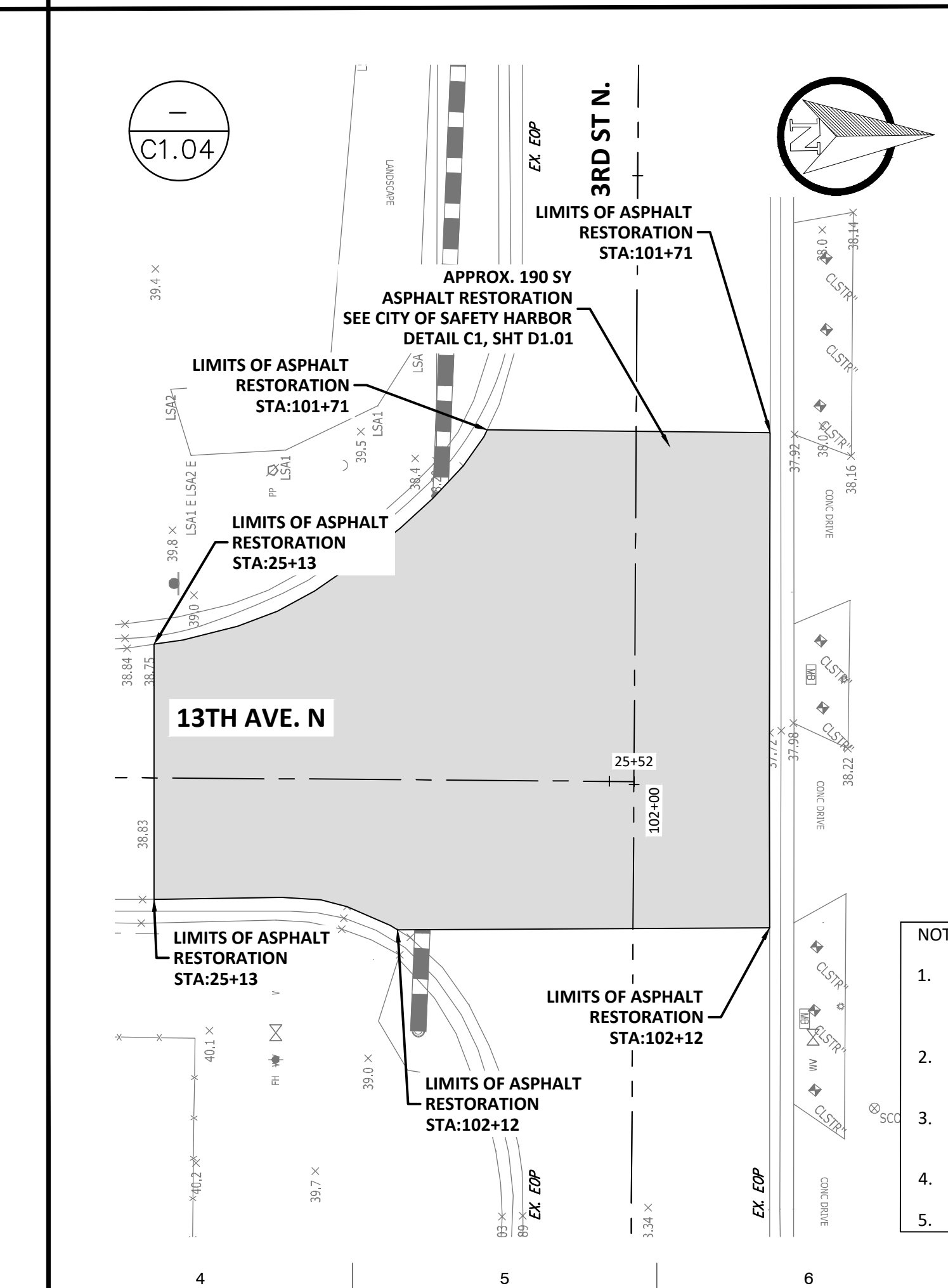
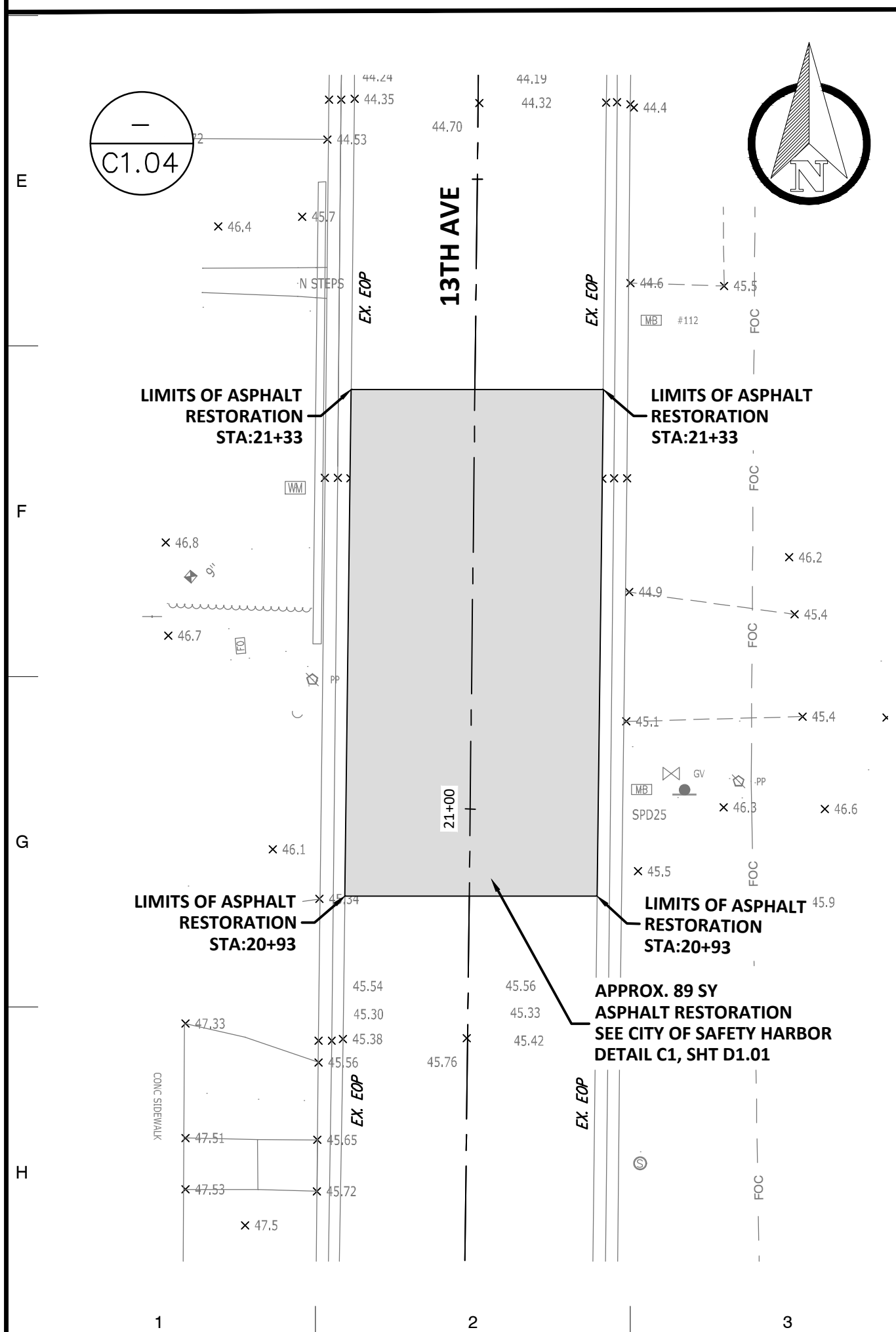
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SEMINOLE PARK AND MAPLEWAY WATER MAIN REPLACEMENT (UT0096)	WATER MAIN ENLARGED CONNECTION DETAILS (2)
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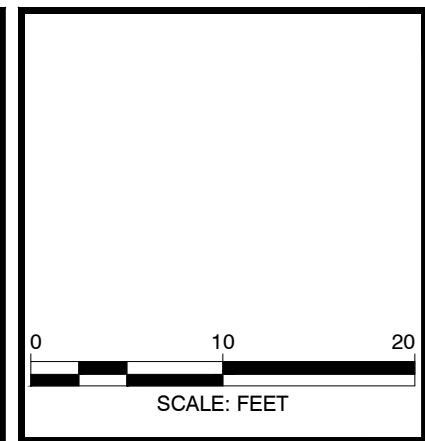
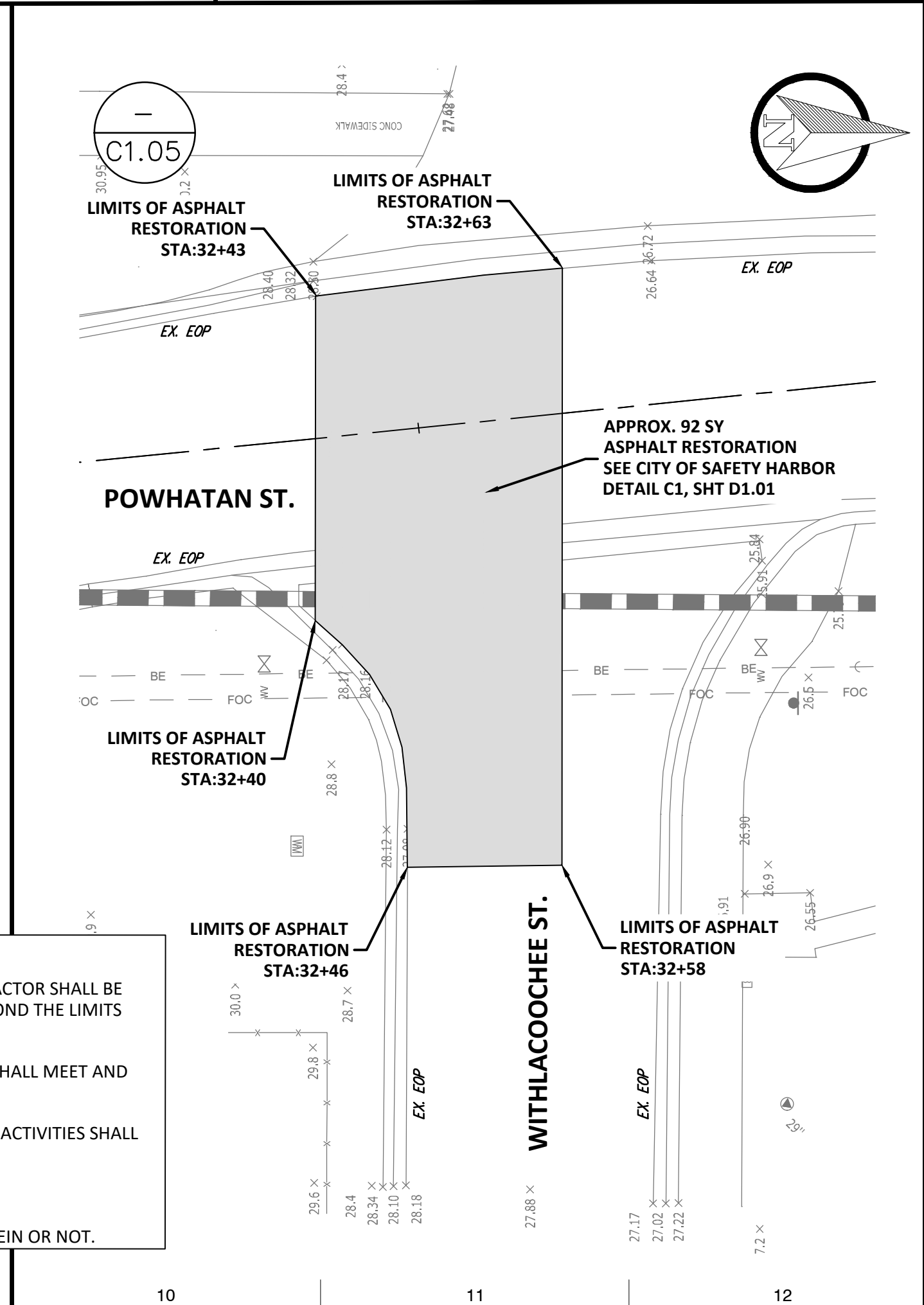
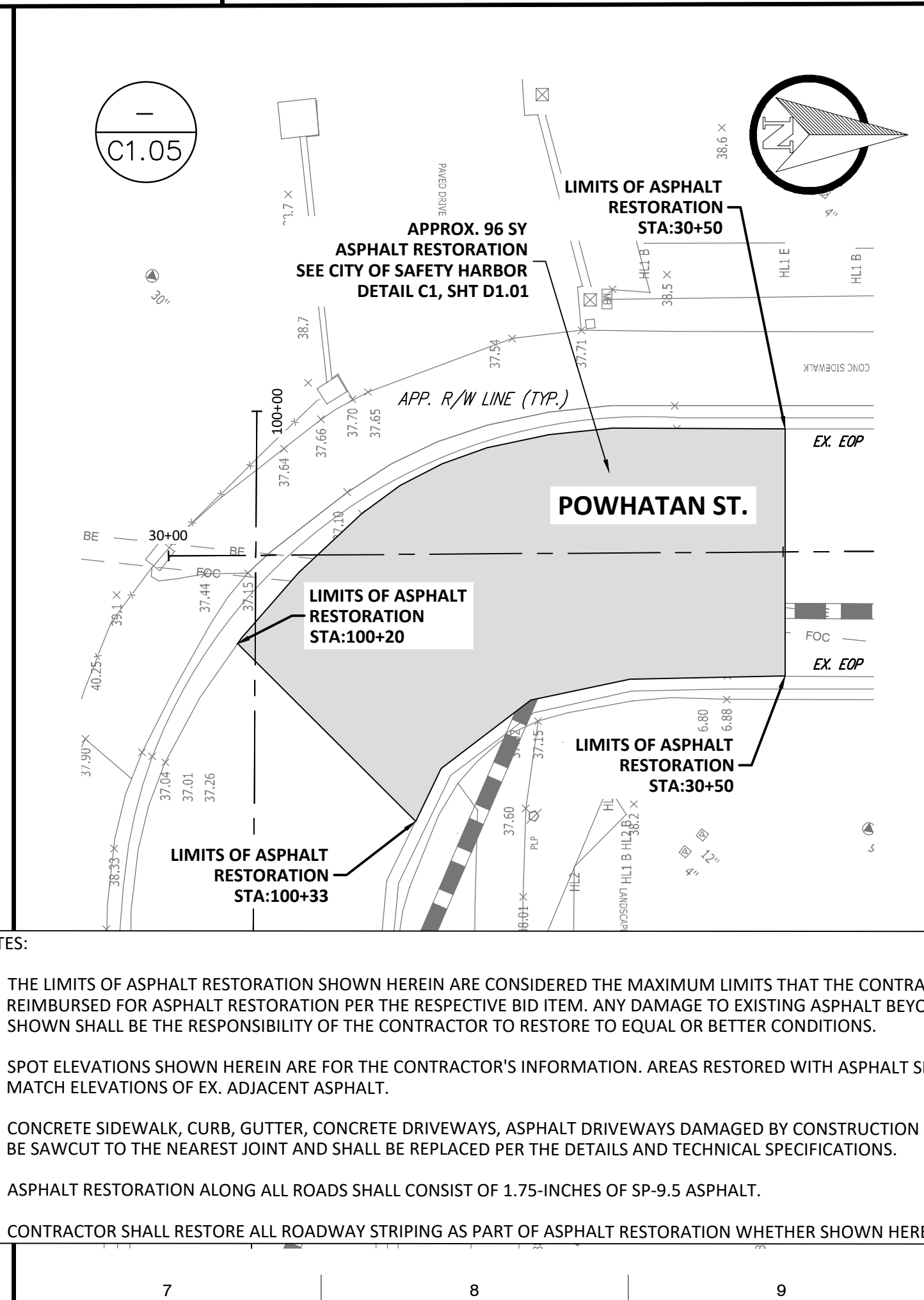
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1. THE LIMITS OF ASPHALT RESTORATION SHOWN HEREIN ARE CONSIDERED THE MAXIMUM LIMITS THAT THE CONTRACTOR SHALL BE REIMBURSED FOR ASPHALT RESTORATION PER THE RESPECTIVE BID ITEM. ANY DAMAGE TO EXISTING ASPHALT BEYOND THE LIMITS SHOWN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE TO EQUAL OR BETTER CONDITIONS.
2. SPOT ELEVATIONS SHOWN HEREIN ARE FOR THE CONTRACTOR'S INFORMATION. AREAS RESTORED WITH ASPHALT SHALL MEET AND MATCH ELEVATIONS OF EX. ADJACENT ASPHALT.
3. CONCRETE SIDEWALK, CURB, GUTTER, CONCRETE DRIVEWAYS, ASPHALT DRIVEWAYS DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE SAWCUT TO THE NEAREST JOINT AND SHALL BE REPLACED PER THE DETAILS AND TECHNICAL SPECIFICATIONS.
4. ASPHALT RESTORATION ALONG ALL ROADS SHALL CONSIST OF 1.75-INCHES OF SP-9.5 ASPHALT.
5. CONTRACTOR SHALL RESTORE ALL ROADWAY STRIPING AS PART OF ASPHALT RESTORATION WHETHER SHOWN HEREIN OR NOT.

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SEMINOLE PARK AND MAPLEWAY WATER MAIN REPLACEMENT (UT0096)	PAVEMENT RESTORATION (1)
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DATE:	JUNE 2022

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JP-25-00226

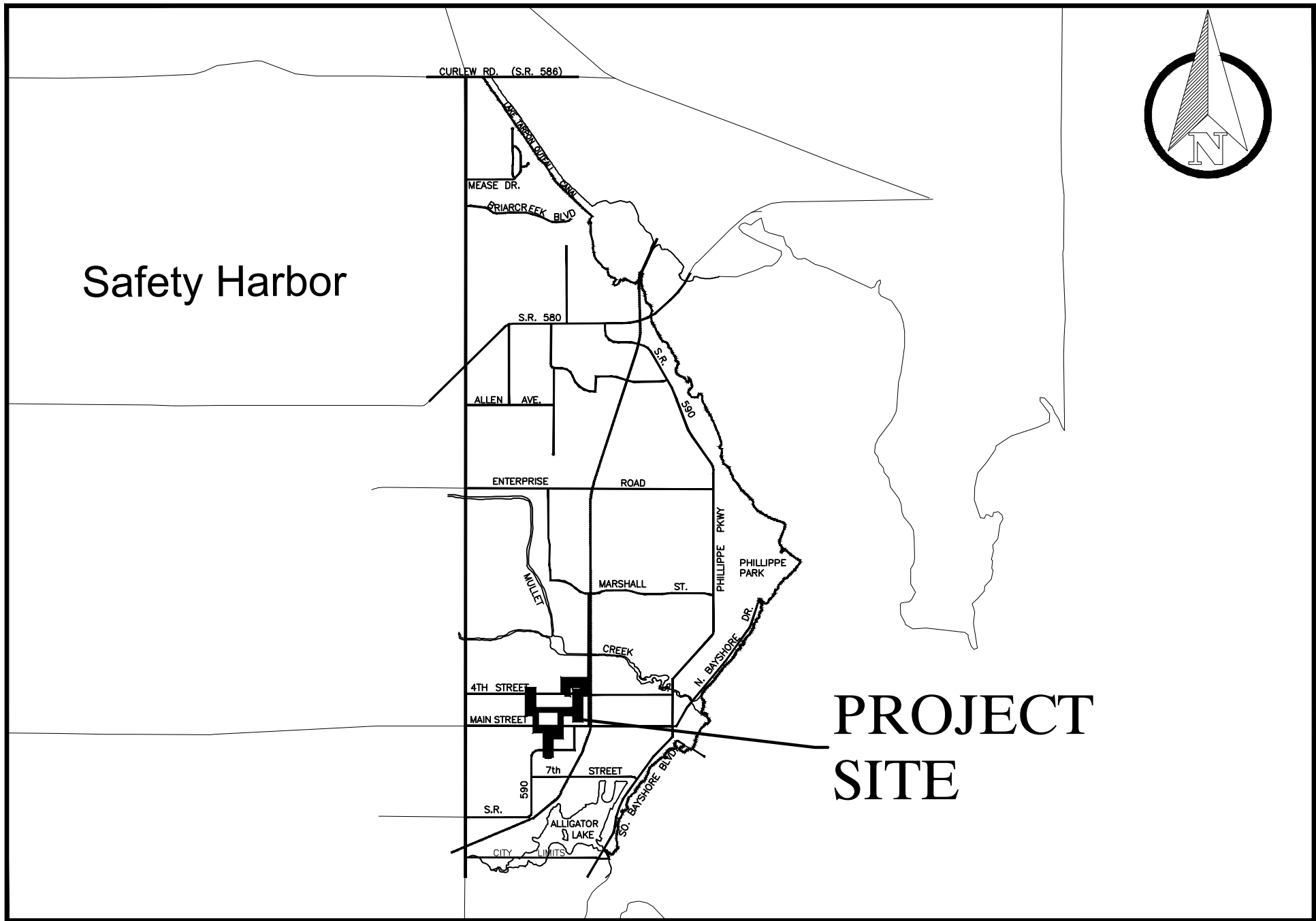
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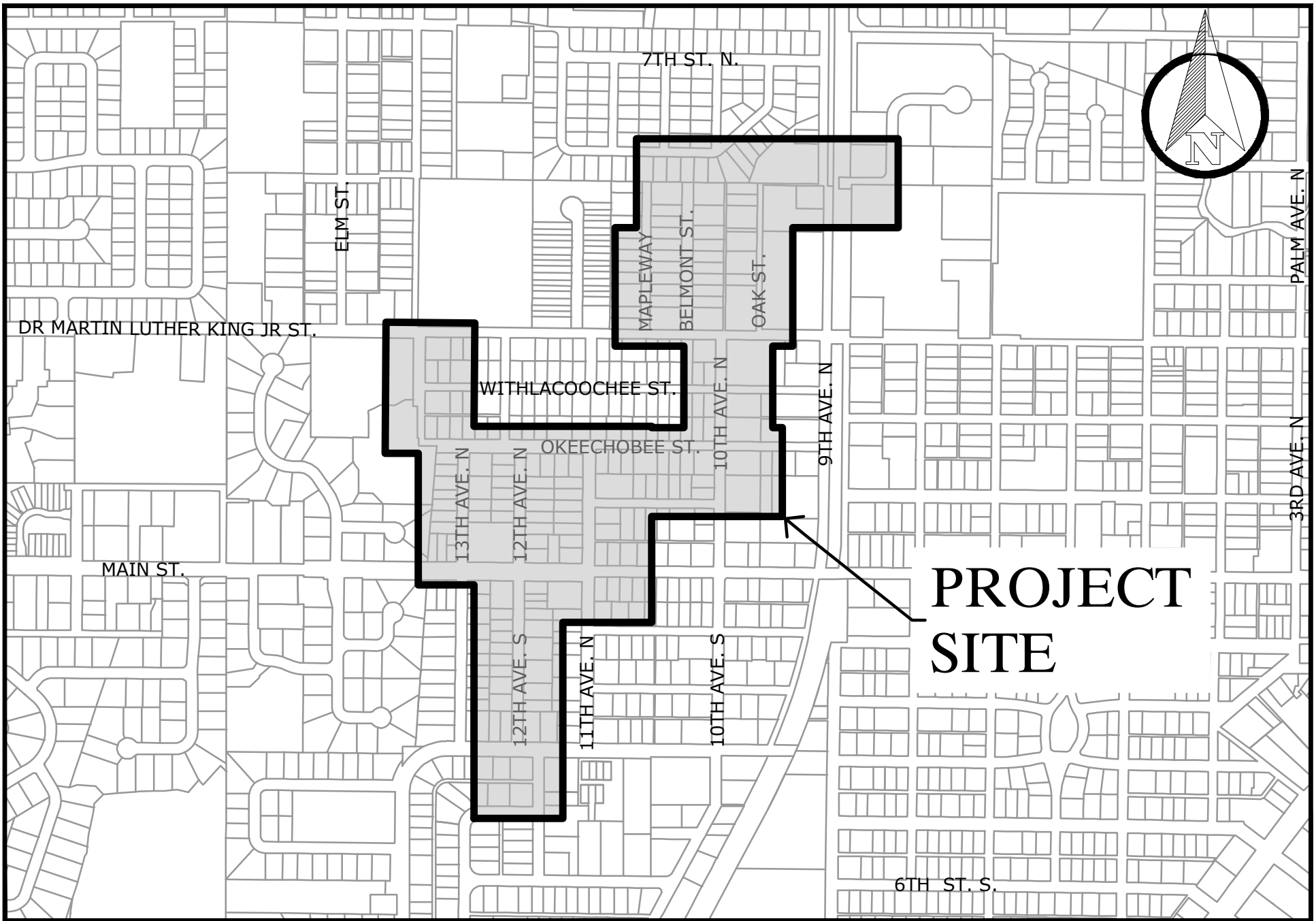
Issued Date

SEMINOLE PARK AND MAPLEWAY WATER MAIN REPLACEMENT (UT0096)

SECTION 04, TOWNSHIP 29 S, RANGE 16 E
CITY OF SAFETY HARBOR



VICINITY MAP



LOCATION MAP

FOR:

CITY OF SAFETY HARBOR
750 MAIN STREET
SAFETY HARBOR, FL. 34695
PHONE: (727) 724-1555

BY:



S.S.O.C.O.F. TICKET No. 109101359
DATE: 04/15/2021



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Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

CITY COMMISSION

Joe Ayoub
Carlos Diaz
Andy Steingold
Nancy Besore
Jacob Burnett
Josh Stefancic

Mayor
Vice Mayor
Commissioner
Commissioner
Commissioner
City Manager

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Truong		DATE: JUNE 2022	
Date: 2025.07.01		SCALE: AS SHOWN	
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

































ABBREVIATIONS

ABN	ABANDONED	JT	JOINT
AC	ASBESTOS CEMENT	LB#	LICENSED BUSINESS NUMBER
APP	APPARENT	LS	LONG SIDE
APPROX	APPROXIMATE	LT	LEFT
ASPH	ASPHALT	MDPE	MEDIUM DENSITY POLYETHYLENE
ASSY	ASSEMBLY	MH	MANHOLE
AVE	AVENUE	MFR	MANUFACTURER
B OR BL	BASELINE	MAX	MAXIMUM
BAV	BALL VALVE	MECH	MECHANICAL
BE	BURIED ELECTRIC	MJ	MECHANICAL JOINT
BF	BLIND FLANGE	MIN	MINIMUM
BFD	BACK FLOW PREVENTOR DEVICE	MOD	MODIFIED
BFV	BUTTERFLY VALVE	N	NORTH OR NORTHING
BLDG	BUILDING	NIC	NOT IN CONTRACT
BLK	BLOCK	NTS	NOT TO SCALE
BLVD	BOULEVARD	NO OR #	NUMBER
BM	BENCH MARK	NPT	NATIONAL PIPE TAPER
BOC	BACK OF CURB	O/S	OFFSET
BT	BURIED TELEPHONE	OD	OUTSIDE DIAMETER
(C)	CALCULATED	O R BOOK	OFFICIAL RECORD BOOK
CAT	CATALOG	PVMT	PAVEMENT
CB	CATCH BASIN	PL	PLATE OR PLACE OR PROPERTY LINE
CF	CUBIC FEET	PNT OR PT	POINT
CI	CAST IRON	PC	POINT OF CURVATURE
CL2	CHLORINE	PI	POINT OF INTERSECTION
CL OR C L	CENTER LINE	PSM	PROFESSIONAL SURVEYOR & MAPPER
CLR	CLEAR OR CLEARANCE	PVI	POINT OF VERTICAL INTERSECTION
CM	CONCRETE MONUMENT	PT	POINT OF TANGENCY
CMP	CORRUGATED METAL PIPE	PVC	POLYVINYL CHLORIDE
CMU	CONCRETE MASONRY UNIT	LB. OR #	POUND
CO	CLEANOUT	PSI	POUNDS PER SQUARE INCH
CONC	CONCRETE	PP	POWER POLE
CONN	CONNECTION	PROP	PROPOSED
CONST	CONSTRUCTION	PS	PUMP STATION
CONT	CONTINUOUS	R	RADIUS
CORP	CORPORATION	RWM	RAW WATER MAIN
CORR	CORRUGATED	RCW	RECLAIMED WATER
CPLG	COUPLING	RD	ROAD
CV	CHECK VALVE	RP	RADIUS POINT
CY	CUBIC YARDS	RED	REDUCER
DBL	DOUBLE	REINF	REINFORCE(ING)
DEPT	DEPARTMENT	RCP	REINFORCED CONCRETE PIPE
DET	DETAIL	REQD	REQUIRED
DI	DUCTILE IRON	ROT	ROTATE
DIA	DIAMETER	RT	RIGHT
DIM	DIMENSION	RWGV	RESILIENT WEDGE GATE VALVE
DIP	DUCTILE IRON PIPE	R/W	RIGHT-OF-WAY
DWG	DRAWING	SAN OR SSWR	SANITARY (SEWER)
E	EAST OR EASTING	SCH	SCHEDULE
EA	EACH	SCO	SANITARY CLEANOUT
ECC	ECCENTRIC	SCP	SURVEY CONTROL POINT
ELEC	ELECTRIC OR ELECTRICAL	SHT	SHEET
EL OR ELEV	ELEVATION	SIR	SET IRON ROD
EOB	EDGE OF BRICK	SIRC	SET IRON ROD AND CAP
EOP	EDGE OF PAVEMENT	SMH	SANITARY MANHOLE
EQUIP	EQUIPMENT	S/W	SIDEWALK
EX OR EXIST	EXISTING	SL	SANITARY SEWER LATERAL
EXP	EXPANSION	SPECS	SPECIFICATIONS
FDOT	FLORIDA DEPT. OF TRANSPORTATION	SS	STAINLESS STEEL OR SHORT SIDE
FHA	FIRE HYDRANT ASSEMBLY	ST	STREET
FIR	FOUND IRON ROD	STD	STANDARD
FIRC	FOUND IRON ROD WITH CAP	STA	STATION
FLEX	FLEXIBLE	STM	STORM
FLG	FLANGE	SQ	SQUARE
FLR	FLOOR	TEL	TELEPHONE
FM	FORCE MAIN	TEMP	TEMPORARY
FND, FN&D	FOUND NAIL & DISK	THD	THREADED
FOC	FIBER OPTIC CABLE	THK	THICK
FOW	FACE OF WALK	TOC	TOP OF CONCRETE
FT	FEET	TRV	SURVEY TRAVERSE POINT
FTG	FITTING OR FOOTING	TS	TRAFFIC SIGN
GA	GAUGE OR GAGE	TS&V	TAPPING SLEEVE AND VALVE
GAL	GALLON	TYP	TYPICAL
GALV	GALVANIZED	UD	UNDERDRAIN
GE	GRATE ELEVATION	UG	UNDERGROUND
GPM	GALLONS PER MINUTE	VCP	VITRIFIED CLAY PIPE
GRD	GRADE	WSC	WATER SERVICE CONNECTION
GS	GROUND SHOT	WM	WATER MAIN
GSP	GALVANIZED STEEL PIPE	WV	WATER VALVE
GV	GATE VALVE		
HDD	HORIZONTAL DIRECTIONAL DRILL		
HDPE	HIGH DENSITY POLYETHYLENE		
HDWL	HEADWALL		
HORIZ	HORIZONTAL		
HWY	HIGHWAY		
ID	INSIDE DIAMETER		
IN	INCH		
INV OR IE	INVERT (ELEVATION)		
IR	IRON ROD		
IV	IRRIGATION VALVE		

LEGEND

T.U.B. 	= TELEPHONE UTILITY BOX
F.H. 	= EXISTING FIRE HYDRANT
F.D.C. 	= FIRE DEPARTMENT CONNECTION
U.P. 	= UTILITY POLE
L.P. 	= LIGHT POLE
U.L.P. 	= UTILITY & LIGHT POLE
G.P. 	= GUY POLE
	= GUY WIRE
	= ELECTRIC TRANSFORMER
H.H. 	= ELECTRIC HAND-HOLE
U.G.G. 	= UNDERGROUND GAS LINE MARKER
T.S.B. 	= TRAFFIC SIGNAL UTILITY BOX
T.S.P. 	= TRAFFIC SIGNAL POLE
CONC. 	= CONCRETE
	= EX. WATER SERVICE CONNECTION
	= GRATE INLET
	= STORM SEWER CLEANOUT, PIPE & MANHOLE
FIR 	= FOUND IRON ROD (SIZE AND IDENTIFICATION IF SHOWN)
FCR 	= FOUND IRON ROD WITH CAP (SIZE AND IDENTIFICATION IF SHOWN)
FND 	= FOUND NAIL & DISK (TYPE AND IDENTIFICATION IF SHOWN)
FOP 	= FOUND IRON PIPE (SIZE AND IDENTIFICATION IF SHOWN)
SIR 	= SET 1/2" IRON ROD & CAP L.B.#2610
	= HAND AUGER BORING
	= SPT BORING
	= SIGN
	= RIGHT OF WAY LINE
	= PROPERTY LINE
	= JURISDICTIONAL LINE
	= EDGE OF PAVEMENT
	= FENCE
	= EXISTING WATER MAIN
	= EXISTING FORCE MAIN
	= EXISTING SANITARY SEWER
	= EXISTING STORM SEWER
	= EXISTING UNDERDRAIN
	= EXISTING BURIED TELEPHONE
	= EXISTING BURIED FIBER OPTIC CABLE
	= EXISTING BURIED ELECTRIC
	= EXISTING BURIED CABLE TV
	= EXISTING GAS MAIN
	= EXISTING OVERHEAD UTILITY LINE
	= PROPOSED WATER MAIN
	= PROPOSED FHA
	= EXISTING MAILBOX
	= EXISTING WATER METER BOX
	= NEW 11"x32" GLASMASTERS METER BOX #S113212FZN08-1 LID #S1132RN08-1-WA
	= CHLORINATION POINT
	= COMM MANHOLE
	= SANITARY MANHOLE
	= STORM MANHOLE
	= SAMPLE POINT
	= TEMPORARY BLOW OFF
	= LOCATE STATION
	= RESTRAINED PIPE SLEEVE
	= DEADMAN
	= HDD PIT
	= GROUT FILLED & ABANDONED IN PLACE
	= REMOVED

TREE LEGEND

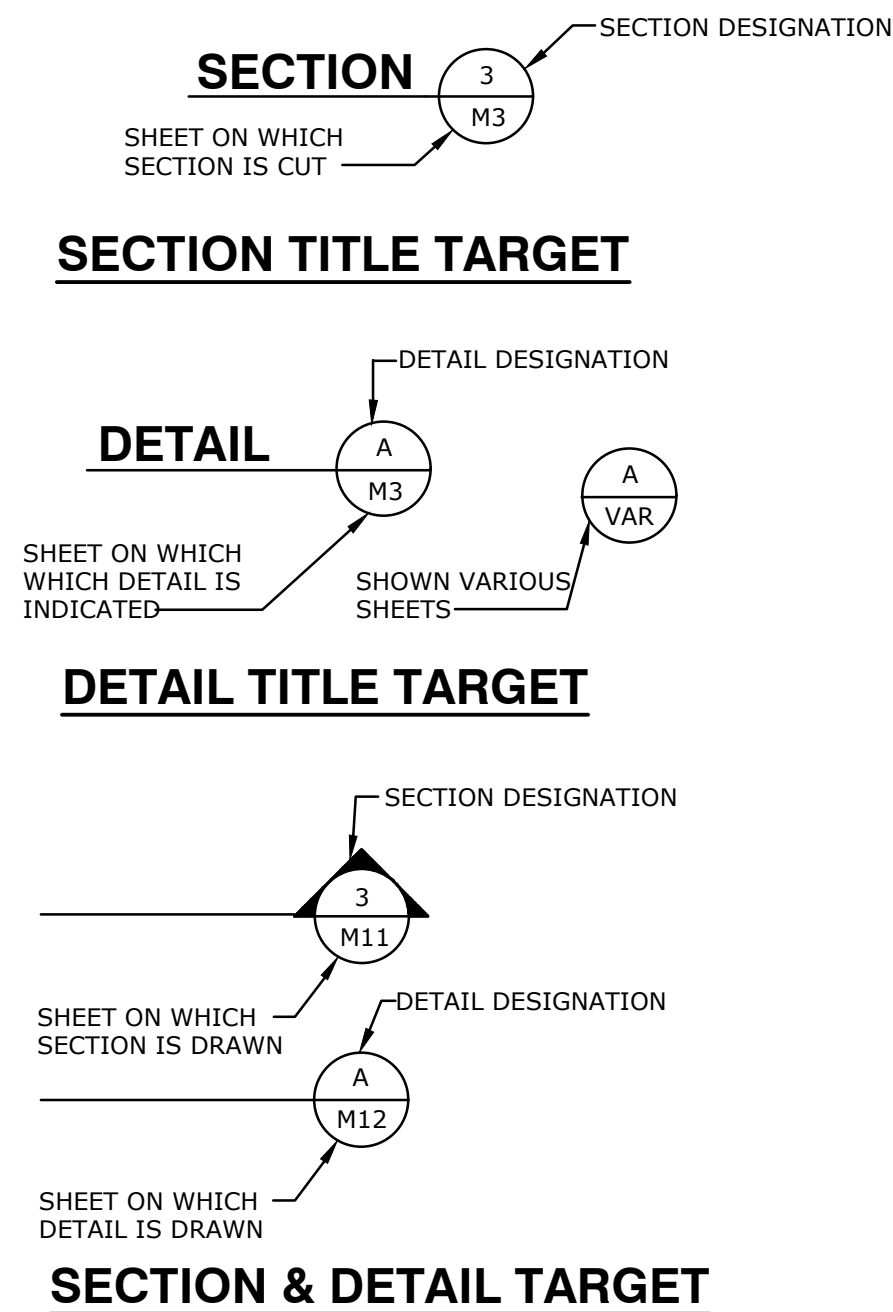
 = 12" UNKNOWN TYPE TREE	 = 12" PECAN TREE	 = 12" BIRCH
 = 12" CHERRY LAUREL	 = 12" EUCALYPTUS TREE	 = 12" HICKORY
 = 12" WILLOW TREE	 = 12" CAMPHOR TREE	
 = 12" HOLLY TREE	 = 12" SYCAMORE TREE	
 = 12" DEAD TREE	 = 12" PINE TREE	 = TREE HAVING ONE TRUNK AT BREAST HEIGHT, 12" DIA.
 = 12" CHINESE TALLOW TREE	 = 12" AUSTRALIAN PINE	 = TREE HAVING MULTIPLE TRUNKS AT BREAST HEIGHT 12" AND 13" DIA.
 = 12" CHINABERRY TREE	 = 12" CEDAR TREE	
 = 12" OAK TREE	 = 12" ELM TREE	
 = 12" JACARANDA TREE	 = 12" MAPLE TREE	
 = 12" MULBERRY TREE	 = 12" WAX MYRTLE TREE	
 = 12" PALM TREE	 = 12" PUNK TREE	 = REPRESENTS TREES TO BE REMOVED
 = 12" BAY TREE	 = 12" CYPRESS TREE	 = REPRESENTS TREES TO BE PROTECTED
 = 12" MAGNOLIA TREE	 = 12" EAR TREE	
 = 12" CITRUS TREE	 = 12" SWEET GUM TREE	

FDOT CONSTRUCTION NOTES

- WHEN DIRECTIONAL BORE IS THE METHOD OF INSTALLATION, A MINIMUM 24-INCH SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES, ITS/ATMS LINES, AND STORM DRAIN SYSTEMS WHILE MAINTAINING THE MINIMUM REQUIRED DEPTH UNDER PAVEMENT OR NON-PAVED GROUND.
2. IF THE PROPOSED UTILITY CANNOT BE INSTALLED PER THE APPROVED PERMITTED PLAN AND BY FDOT SPECIFICATIONS, A REVISED PLAN MUST BE PROVIDED TO THE DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE INSTALLATION OF PRODUCTS OR MATERIALS AT THE GIVEN LOCATIONS WHERE CONFLICTS OCCUR.
3. ANY NEW PROPOSED PLAN SHALL INCLUDE CROSS SECTIONS, PLAN VIEWS AND PROFILES OF THE STATE ROAD ADEQUATELY REFLECTING ALL RIGHT-OF-WAY FEATURES INCLUDING BUT NOT LIMITED TO EXISTING UTILITIES, STORM DRAIN SYSTEMS AND ANY ABOVE OR BELOW GROUND APPEARANCES WHERE APPLICABLE.
4. NO PEDESTRIAN PATHWAY IS TO BE REMOVED, BLOCKED, OR DISTURBED WITHOUT HAVING A SUFFICIENT DESIGNATED TEMPORARY PEDESTRIAN PATHWAY WITH ALL APPROPRIATE PEDESTRIAN MAINTENANCE OF TRAFFIC SIGNS (INDEX 660) IN-PLACE PRIOR TO PATHWAY BEING AFFECTED.
5. ALL TEMPORARY PEDESTRIAN PATHWAYS MUST BE FIRM AND UNYIELDING.
6. ANY SIDEWALK DISTURBED WILL BE REPLACED BY SECTION WITHIN 72 HOURS TO FDOT SPECIFICATIONS.
7. ALL CONCRETE PLACED WITHIN FDOT RIGHT-OF-WAY FOR DRIVEWAYS AND SIDEWALKS SHALL BE A MINIMUM OF 6 INCHES THICK AND BE AN FDOT-APPROVED MIX, CLASS 1 NON-STRUCTURAL, 2,500 PSI WITH FIBER MESH.
8. FDOT RESERVES THE RIGHT TO MAKE ADJUSTMENTS TO ANY PERMITTED METHOD OF INSTALLATION, SCOPE OF WORK, AND RESTORATION THAT MAY BE REQUIRED TO POSITIVELY SUPPORT LIFE, SAFETY, AND ENVIRONMENTAL WELL-BEING OF ALL USERS OF THE TRANSPORTATION SYSTEM.
9. THE PERMITTEE SHALL NOTIFY THE FDOT OF DATE OF COMPLETION, REQUEST A FINAL INSPECTION, AND A NOTICE OF FINAL ACCEPTANCE.
10. ALL CONSTRUCTION AND/OR MAINTENANCE IN THE FDOT RIGHT-OF-WAY SHALL CONFORM TO THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE FLORIDA DESIGN MANUAL, AND THE DRAINAGE MANUAL (LATEST EDITION)
11. PRIOR TO REMOVAL OF EXISTING CURB OR DRIVEWAY, THE EDGE OF TRAVEL SHALL BE SAWCUT TO AVOID DAMAGING THE EXISTING ROADWAY ASPHALT. ALL CONCRETE TO BE REMOVED IN FDOT RIGHT-OF-WAY SHALL BE SAWCUT AND REMOVED FROM THE NEAREST JOINT. (LATEST EDITION)
12. NO LANE CLOSURE OF ANY STATE ROADWAY IS ALLOWED WITHOUT A MINIMUM OF TWO (2) BUSINESS DAYS ADVANCE NOTIFICATION AND APPROVAL FROM FDOT.
13. LANE CLOSURES MUST BE LIMITED TO SUNDAY THROUGH THURSDAY 8:00 PM TO 5:30 AM UNLESS OTHERWISE APPROVED BY FDOT.
14. ANY SIDEWALK DAMAGED BECAUSE OF WORK BEING PERFORMED IN ASSOCIATION WITH THE PERMITTEE AND CONTRACTOR SHALL BE REMOVED AND REPLACED WITH 6-INCH THICK CLASS 1 NON-STRUCTURAL, 2,500 PSI WITH FIBER MESH.
15. OPEN CUTTING OF ANY ROADWAY, DRIVEWAY OR SIDEWALK OUTSIDE THOSE LIMITS IDENTIFIED WITHIN THE PERMIT ARE NOT ALLOWED WITHOUT PRIOR APPROVAL OF FDOT.
16. THE CONTRACTOR SHALL HAVE AN AUTHORIZED PERSON AVAILABLE AT/OR NEAR THE WORK SITE ON A 24-HOUR BASIS, 7 DAYS A WEEK IN ORDER TO ADDRESS EMERGENCY ISSUES ASSOCIATED WITH THE PROJECT.
17. NO STOCKPILING, STORING OR SEMI-PERMANENT USE OF THE RIGHT-OF-WAY IS AUTHORIZED UNLESS SPECIFICALLY IDENTIFIED WITHIN THE PERMIT.
18. NO WORK SHALL BE PERFORMED DURING THE WEEKS OF ANY STATE OR FEDERAL HOLIDAY UNLESS OTHERWISE APPROVED IN WRITING BY FDOT.
19. THE PERMITTED WORK SCHEDULE IS DEFINED AS MONDAY THROUGH FRIDAY 7:00 AM TO 5:30 PM UNLESS OTHERWISE NOTED WITHIN THE PERMIT. ANY WORK DESIRED OUTSIDE OF THIS PERIOD MUST BE REQUESTED IN ADVANCE AND APPROVED BEFORE WORKING THE ALTERNATE SCHEDULE.
20. WHEN WORK IS ASSOCIATED WITH ROADWAY MODIFICATIONS AND/OR SITE DEVELOPMENT, THE CONTRACTOR IS REQUIRED TO HAVE A PRECONSTRUCTION MEETING WITH THE FDOT INSPECTOR TWO WEEKS PRIOR TO ANY CONSTRUCTION BEGINNING WITHIN THE RIGHT-OF-WAY.
21. ALL WORK PERFORMED UNDER THIS PERMIT WITHIN THE RIGHT-OF-WAY IS TO BE SCHEDULED WITH FDOT INSPECTION STAFF.
22. ROADWAY RESTORATION SHALL UTILIZE 100 PSI EXCAVATABLE FLOWABLE FILL MATERIAL AND ASPHALT PLACED WITHIN THE STATE RIGHT-OF-WAY SHALL BE PLACED FULL-DEPTH, TWO 2.5-INCH LIFTS OF SP 12.5, TWO 1.5-INCH LIFTS OF SP 9.5. TYPICAL SECTIONS WILL NEED TO BE PROVIDED WITHIN THE PLANS FOR THE PAVEMENT PLACEMENT. A STAIR STEP METHOD SHOULD BE INCORPORATED, PRIOR TO PLACING ASPHALT, TO AVOID VERTICAL JOINTS. MILLING OF THE PATCH MAY BE REQUIRED BASED ON THE PATCHED SURFACE PERFORMANCE. THE MILLING SHALL BE UTILIZED FOR SURFACE LEVELING TO A THICKNESS EQUAL TO OR GREATER THAN THE EXISTING FRICTION COARSE MATERIAL. THE MILLING LIMITS ARE 50-FOOT OF THE PATCH ALONG THE LONGITUDINAL PATH OF THE LANE, FULL LANE WIDTH AND TO INCLUDE ANY ADJACENT BIKE LANES, SHARED PATH OR URBAN SHOULDER SECTIONS.
23. ANY DISRUPTIONS TO ANY PERMEABLE PEDESTRIAN WAY AND BIKE LANE ARE TO BE RESTORED AS WORK CONTINUES. ALL PATCHES SHALL BE FULL WIDTH FROM OUTSIDE EDGE OF PEDESTRIAN PATH TO WHITE LINE EDGE OF TRAVEL LANE WITH STAIR STEP (STAGGERED) JOINTS.

SHEET INDEX

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G1.02	NOTES
G1.03	STORMWATER POLLUTION PREVENTION PLAN
G2.00	OVERALL EXISTING WATERMAIN ABANDONMENT SITE PLAN
CIVIL	
C1.00	OVERALL PROJECT SITE PLAN AND KEY MAP
C1.01	12TH AVE S PLAN STA. 0+00 TO STA. 2+87
C1.02	12TH AVE AND MAIN ST PLAN STA. 2+87 TO STA. 8+60 AND STA. 91+67 TO STA. 95+56
C1.03	12TH AVE N AND OKEECHOBEE ST PLAN STA. 8+60 TO STA. 13+50 AND STA. 102+41 TO STA. 106+30
C1.04	13TH AVE N AND MAIN ST PLAN STA. 20+00 TO STA. 25+11 AND STA. 90+00 TO STA. 91+67
C1.05	POWHATAN ST, 3RD ST AND 13TH AVE N PLAN STA. 30+00 TO STA. 35+00, STA. 100+00 TO STA. 102+41 STA. 25+11 TO STA. 25+52 AND
C1.06	11TH AVE S AND MAIN ST PLAN STA. 40+25 TO STA. 43+11 AND STA. 95+56 TO STA. 97+19
C1.07	11TH AVE N AND OKEECHOBEE ST PLAN STA. 43+11 TO STA. 48+00 AND STA. 106+30 TO STA. 110+19
C1.08	10TH AVE N AND OKEECHOBEE ST PLAN STA. 50+14 STA. 54+03 AND STA. 110+19 TO STA. 113+50
C1.09	10TH AVE N PLAN STA. 54+03 TO STA. 57+60
C1.10	BELMONT ST AND MAPLEWAY PLAN STA. 70+00 TO STA. 74+75 AND STA. 80+00 TO STA. 84+73
C1.11	BELMONT ST AND MAPLEWAY PLAN STA. 74+75 TO STA. 76+00 AND STA. 84+73 TO STA. 86+00
C1.12	OAK ST AND 10TH AVE N PLAN STA. 60+00 TO STA. 64+79 AND STA. 57+59 TO STA. 58+00
C1.13	OAK ST AND DAISY DOUGLAS PARK PLAN STA. 64+79 TO STA. 66+74 AND STA. 90+00 TO STA. 92+90
C2.00	CROSS SECTIONS (1)
C2.01	CROSS SECTIONS (2)
C2.02	WATER MAIN ENLARGED CONNECTION DETAILS (1)
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C3.01	PAVEMENT RESTORATION (1)
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C3.03	PAVEMENT RESTORATION (3)
DETAILS	
D1.01	MISCELLANEOUS DETAILS (1)
D1.02	MISCELLANEOUS DETAILS (2)
D1.03	MISCELLANEOUS DETAILS (3)
D1.04	MISCELLANEOUS DETAILS (4)
D1.05	MISCELLANEOUS DETAILS (5)
D1.06	MISCELLANEOUS DETAILS (6)
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TCP1.03	TRAFFIC CONTROL PLAN 3
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TCP1.05	TRAFFIC CONTROL PLAN 5
TCP1.06	TRAFFIC CONTROL PLAN DETAILS

[illegible]

GENERAL NOTES

1. EXISTING UTILITY INFORMATION WAS PROVIDED VIA ITRH ONE CALL, FIELD TICKET #109101359-000. PER THE DESIGN TICKET, THE FOLLOWING ARE THE UTILITY CONTACTS:
 - a. CITY OF SAFETY HARBOR PUBLIC WORKS - JAMIE AHRENS - (727) 724-1550 EXT. 2008
 - b. CHARTER COMMUNICATIONS - JEREMY CORNETTE - (863) 581-5734
 - c. CLEARWATER GAS - JACINTA CORCOBA - (727) 422-9998
 - d. DUKE ENERGY-ST. PETERSBURG - STEPHANIE OLMO - (407) 905-3376
 - e. FRONTIER COMMUNICATIONS - TONI CANNON - (813) 875 - 1014
 - f. KNOLOX (WIDE OPEN WEST) - RICHARD LAGANGA - (727) 422 - 8040
 - g. PINELLAS COUNTY HWY/ENG - TREVOR SINGH - (727) 464-8880
 - h. MCI VERIZON - TIMOTHY COLE - (800) 624-9675 EXT. 2
 - i. UNITI FIBER - CHARLIE CROFT - (251) 214-7059
2. EXISTING UTILITY INFORMATION IS FOR INFORMATIONAL PURPOSES ONLY. EXISTING UTILITIES SHOWN ARE ILLUSTRATED FROM DRAWINGS PROVIDED BY THE UTILITY COMPANIES, COMBINED WITH VISUAL ABOVE GROUND APPURTENANCES AND MARKINGS PLACED BY THE UTILITIES.
3. THE CONTRACTOR SHALL PROVIDE AT LEAST FORTY EIGHT (48) HOURS NOTICE TO ALL EXISTING UTILITY COMPANIES IN ORDER TO ALLOW FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES IN ADVANCE OF CONSTRUCTION. THE CONTRACTOR SHALL CONTACT "SUNSHINE STATE ONE CALL" 48 HOURS PRIOR TO OPERATIONS AT 1-800-432-4770.

- PERSONNEL SHALL FURNISH INFORMATION TO AND COOPERATE WITH THESE AUTHORITIES IN CONDUCTING THE INSPECTION AND INSPECTION PROGRAM.
- WORK SHALL BE IN ACCORDANCE WITH THE LATEST APPLICABLE FEDERAL, STATE AND LOCAL AGENCY'S REGULATIONS AND STANDARDS.
- ALL MATERIALS, INSTALLATION, AND TESTING SHALL BE PERFORMED IN COMPLIANCE WITH THE FDEP "NOTICE OF INTENT TO USE THE GENERAL PERMIT FOR CONSTRUCTION OF WATER MAIN EXTENSIONS FOR PWS'S", WHICH HAVE BEEN OBTAINED FOR THIS PROJECT.
- CONTRACTOR SHALL COMPLY WITH THE "TRENCH SAFETY ACT", CHAPTER 90-96, FLORIDA STATUTES.
- SIGNS & BARRICADES SHALL BE IN ACCORDANCE WITH LATEST F.D.O.T. MANUAL OF SAFE PRACTICES; REFERENCE F.D.O.T. INDEXES 600 THROUGH 670 AND 17349 PER ROADWAY AND TRAFFIC DESIGN STANDARDS LATEST EDITION.
- THE CONTRACTOR SHALL NOT ENTER UPON OR IN ANY WAY ALTER ANY WETLAND AREAS THAT MAY BE ENCOUNTERED. ALL WORK IN THE VICINITY OF OPEN WATER AND/OR WETLANDS IS TO BE PERFORMED IN COMPLIANCE WITH THE ENVIRONMENTAL REGULATIONS AND/OR PERMITS FOR THE PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY FINE RESULTING FROM HIS VIOLATION OF ANY REGULATIONS OR PERMIT CONDITIONS.
- SPECIAL PIPE FOUNDATIONS, IF REQUIRED, SHALL BE DETERMINED IN THE FIELD AND THE TYPE REQUIRED WILL BE AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE ALL REQUIRED SHEETING AND TRENCH SHORING VALUED TO PROTECT EXISTING UTILITIES AND OTHER FACILITIES INTENDED TO REMAIN IN SERVICE.
- ALL VALVES SHALL BE APPROPRIATELY TAGGED OR LABELED. ALL PIPING, PIPELINES, VALVES, AND OUTLETS SHALL BE COLOR-CODED BLUE, OR OTHERWISE MARKED, ALL VALVE BOX COVERS SHALL BE MARKED "WATER".
- JOINT RESTRAINT SHALL BE PROVIDED AT ALL FITTINGS UNLESS NOTED OTHERWISE ON PLANS. THE MINIMUM LINEAR FEET PROVIDED ON BOTH SIDES OF FITTINGS OR VALVES FOR DUCTILE IRON PIPE SHALL BE AS SHOWN ON THE DETAILS RESTRAINED IN THESE DRAWINGS.
- THE CONTRACTOR SHALL LOCATE ANY POTENTIAL UTILITY CONFLICTS AND PROVIDE FITTINGS AND RESTRAINTS AS NECESSARY AHEAD OF PIPE LAYING OPERATIONS.
- CONTRACTOR SHALL USE TRENCH BOXES, SHEETING AND OTHER MEANS TO LIMIT THE WIDTH OF THE TRENCH AND AVOID ENCROACHMENT AND DAMAGE TO ADJACENT PROPERTY.
- CONTRACTOR SHALL PROVIDE A DECHLORINATION PLAN AND DESCRIPTION OF THE METHODS FOR DISPOSAL TO THE ENGINEER OF RECORD AND CITY OF SAFETY HARBOR FOR APPROVAL.
- CONTRACTOR SHALL PROVIDE THE CITY OF SAFETY HARBOR WITH 24 HOUR NOTICE PRIOR TO COMMENCING WORK WITHIN THE CITY LIMITS AND 48 HOUR NOTICE PRIOR TO PERFORMING ANY WET TAP TO THE CITY'S WATER DISTRIBUTION SYSTEM. WET TAPS ARE NOT PERMITTED TO BE PERFORMED ON MONDAY OR TUESDAY AND BETWEEN THE HOURS OF 9:30AM-1:00PM.
- ANY DIGGING AND/OR DISTURBANCE TO THE ROADSIDE SWALES WITHIN THE RIGHT-OF-WAY OF THE CITY OF SAFETY HARBOR SHALL BE PROPERLY GRADED, SODDED AND RESTORED. CONTACT THE CITY OF SAFETY HARBOR PUBLIC WORKS DEPARTMENT. HYDROSEED SHALL NOT BE ACCEPTABLE.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING PINELLAS COUNTY & CITY OF SAFETY HARBOR AGENCIES A MINIMUM OF 2 WEEKS IN ADVANCE IN WRITING, OF ANY ROAD CLOSURES, DETOURS AND CONSTRUCTION ACTIVITIES PRIOR TO CONSTRUCTION. THE NOTICE SHALL BE ACCOMPANIED WITH A SCHEDULE OF ROAD CLOSURES AND ANTICIPATED INTERRUPTIONS IN TRAFFIC.
- | | |
|---|---|
| SCHOOL BOARD OF PINELLAS COUNTY
ATTN: CAMMIE WEEKS
TRANSPORTATION DIVISION
CLERK OF ROAD CLOSURES
1111 SOUTH BELCHER ROAD
LARGO, FLORIDA 33773
PHONE: 727-587-2020
E-MAIL: weeksc@pcsb.org | SAFETY HARBOR FIRE DEPARTMENT
ATTN: ANDREW HAWKINS
FIRE CHIEF
700 MAIN STREET
SAFETY HARBOR, FLORIDA 34695
PHONE: 727-724-1535
E-MAIL: ahawkins@cityofsafetyharbor.com |
| UNITED STATES POST OFFICE
SAFETY HARBOR
ATTN: CRAIG HAUMANN
POST MASTER
303 MAIN STREET
SAFETY HARBOR, FLORIDA 34695
PHONE: 727-669-0253
E-MAIL: craig.haumann@usps.gov | CITY OF SAFETY HARBOR PUBLIC WORKS
ATTN: JAMIE AHRENS
ASSISTANT PUBLIC WORKS DIRECTOR
1200 RAILROAD AVENUE
SAFETY HARBOR, FLORIDA 34695
PHONE: 727-724-1550 EXT 2008
E-MAIL: cahrens@cityofsafetyharbor.com |
| PINELLAS COUNTY SHERIFF'S DEPARTMENT
ATTN: COMMUNICATIONS CENTER
10750 ULMERTON ROAD
LARGO, FLORIDA 33778
PHONE: 727-582-6200
FAX: 727-582-6432
E-MAIL: ssommer@pcsonet.com | |

39. THE CONSTRUCTION AND ASSOCIATED INCIDENTAL WORK. WHEN CROSSWALK STRIPING IS IMPACTED BY CONSTRUCTION THE ENTIRE SIDEWALK IS TO BE RESTRIPTED. THESE ITEMS WILL BE PAID FOR UNDER THE RESTORATION PAY ITEM.
39. CONTRACTOR SHALL RESTORE ALL SIDEWALKS, DRIVEWAYS, BRICK ROADS, ASPHALT, CURB AND ETC. THAT ARE DAMAGED DUE TO CONSTRUCTION OR ABANDONMENT OF THE WATER MAIN.

- ## EROSION AND SEDIMENTATION CONTROL NOTES

1. ALL PRACTICABLE EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT MATERIALS TO INLETS, SURFACE DRAINS, WETLANDS AND LAKE AREAS, PER FDEP/SWFWM D "BEST MANAGEMENT PRACTICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RESTORATION EFFORTS THAT MAY BE REQUIRED.
2. THE CONTRACTOR IS TO CONTROL ALL FUGITIVE DUST ORIGINATING FROM THE PROJECT BY WATERING OR OTHER METHODS AS REQUIRED.
3. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING SILT FROM THE SITE IF NOT REUSABLE ON-SITE AND ASSUMING PLAN ALIGNMENT AND GRADE IN ALL DITCHES AND SWALES AT COMPLETION OF CONSTRUCTION.
4. ADDITIONAL PROTECTION - ON-SITE PROTECTION IN ADDITION TO THE ABOVE MUST BE PROVIDED THAT WILL NOT PERMIT SILT TO LEAVE THE PROJECT CONFINES DUE TO UNFORESEEN CONDITIONS OR ACCIDENTS.
5. THE CONTRACTOR SHALL INSURE THAT ALL EXISTING DRAINAGE STRUCTURES, PIPES, ETC., ARE CLEANED OUT AND WORKING PROPERLY AT THE TIME OF PROJECT COMPLETION.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING DIRT AND SEDIMENT FROM ALL CONSTRUCTION EQUIPMENT AND VEHICLES PRIOR TO ENTERING PUBLIC ROAD WAYS.
7. THE CONTRACTOR SHALL CLEAN ALL ROADWAYS WITHIN OR ADJACENT TO THE PROJECT LIMITS ON A DAILY BASIS OR AS NEEDED TO PREVENT TRANSFER OF SEDIMENTATION.
8. SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
9. SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC OR BALES SHALL BE REPLACED PROMPTLY.
10. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN THE DEPOSITS REACH APPROXIMATELY ONE-THIRD THE HEIGHT OF THE BARRIER.
11. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH EXISTING GRADE, PREPARED AND SEEDED.
12. EXISTING STORM STRUCTURES SHALL BE INSPECTED AFTER EACH RAIN EVENT. REPAIRS MADE TO THE FILTER BARRIERS, AND SILT / SEDIMENT REMOVED FROM PIPES AND STRUCTURES AS NEEDED TO PROVIDE POSITIVE FLOW.
13. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO IT'S ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/3 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
14. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE BEST EROSION AND SEDIMENT CONTROL PRACTICES AS OUTLINED IN THE PLANS, SPECIFICATIONS AND SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT SPECIFICATIONS AND CRITERIA.
15. FOR ADDITIONAL INFORMATION ON SEDIMENT AND EROSION CONTROL REFER TO: "THE FLORIDA DEVELOPMENT MANUAL - A GUIDE TO SOUND LAND AND WATER MANAGEMENT", FROM THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (F.D.E.P), CHAPTER 6.
16. EROSION AND SEDIMENT CONTROL BARRIERS SHALL BE PLACED ADJACENT TO ALL WETLAND AREAS WHERE THERE IS A POTENTIAL FOR DOWNSTREAM WATER QUALITY DEGRADATION.
17. ALL DISTURBED AREAS SHALL BE GRASSED, FERTILIZED, MULCHED AND MAINTAINED UNTIL A PERMANENT VEGETATIVE COVER IS ESTABLISHED.
18. SOD SHALL BE PLACED IN AREAS WHICH MAY REQUIRE IMMEDIATE EROSION PROTECTION TO ENSURE WATER QUALITY STANDARDS ARE MAINTAINED.
19. ANY DISCHARGE FROM DEWATERING ACTIVITY SHALL BE FILTERED AND CONVEYED TO THE OUTFALL IN A MANNER THAT LIMITS THE DISCHARGE TO 29 NTU ABOVE THE BACKGROUND CONCENTRATION OF THE OUTFALL.
20. DEWATERING PUMPS SHALL NOT EXCEED THE CAPACITY OF THAT WHICH REQUIRES A CONSUMPTIVE USE PERMIT FROM THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT.
21. ALL DISTURBED AREAS TO BE STABILIZED THROUGH COMPACTION, SILT SCREENS, HAY BALES AND GRASSING. ALL FILL SLOPES 3:1 OR STEEPER SHALL RECEIVE STAKED SOLID SOD.
22. THESE NOTES INDICATE THE MINIMUM EROSION AND SEDIMENT MEASURES REQUIRED FOR THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL APPLICABLE RULES, REGULATIONS AND WATER QUALITY GUIDELINES AND MAY NEED TO INSTALL ADDITIONAL CONTROLS.
23. THE CONTRACTOR SHALL BE REQUIRED TO RESPOND TO ALL FDEP OR WATER MANAGEMENT DISTRICT INQUIRIES, RELATIVE TO THE COMPLIANCE FOR EROSION AND SEDIMENTATION CONTROL.
24. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER COMPLETION OF CONSTRUCTION AND ONLY WHEN AREAS HAVE BEEN STABILIZED.
25. THE CONTRACTOR SHALL EXECUTE THE STORM WATER POLLUTION PREVENTION PLAN PROVIDED ON SHEET G1.03 PRIOR TO INITIATING CONSTRUCTION.

PINELLAS COUNTY RIGHT OF WAY CONSTRUCTION NOTES

1. THE FOLLOWING NOTES SHALL APPLY TO ALL CONSTRUCTION WITHIN THE PINELLAS COUNTY RIGHT-OF-WAY:
- ALL DESIGN AND CONSTRUCTION SHALL CONFORM TO THE MINIMUM STANDARDS SET DOWN IN PINELLAS COUNTY LAND DEVELOPMENT, ZONING AND/OR RELATED ORDINANCES, AND MINIMUM TESTING FREQUENCY REQUIREMENTS.
 - ANY SIDEWALK WHICH BECOMES UNDERMINED SHALL BE REMOVED AND REPLACED. SIDEWALKS ARE TO BE RECONSTRUCTED WITHIN THREE (3) DAYS AFTER REMOVAL. WHEN EXISTING SIDEWALK IS REMOVED, IT IS TO BE REMOVED TO THE NEAREST JOINT.
 - DISTURBED AREA WITHIN THE RIGHT OF WAY SHALL BE COMPACTED TO 100% OF MAXIMUM DENSITY AND SODDED OR PAVED AS APPROPRIATE.
 - ANY PORTION OF THE ROADWAY THAT SUSTAINS EXCESSIVE CONSTRUCTION RELATED DAMAGE, IN THE OPINION OF PINELLAS COUNTY OPERATIONS DEPARTMENT, SHALL BE REPAIRED AT THE CONTRACTOR EXPENSE IN A MANNER SPECIFIED BY PINELLAS COUNTY OPERATIONS DEPARTMENT.
 - PRIOR TO COMMENCEMENT OF WORK AND/OR PRIOR TO START OF RESTORATION, COORDINATE THROUGH A "WALK-THROUGH" WITH PINELLAS COUNTY OPERATIONS DEPARTMENT REPRESENTATIVE TO ENSURE MUTUAL AGREEMENT REGARDING SUCH MATTERS AS EXTENT OF ROADWAY TO BE OVERLAID AFTER PATCHING, THE EXTENT OF DRIVEWAY REPLACEMENT -ESPECIALLY CONCRETE, ETC.
 - TESTING FREQUENCIES, LIMITS AND DENSITIES COMPLETED UNDER THIS PERMIT IN ASSOCIATION WITH MILLING ARE TO BE OBSERVED BY A COUNTY INSPECTOR.

[illegible]

**SEMINOLE PARK AND MAPLEWAY
WATER MAIN REPLACEMENT (UT0096)**

NOTES

JOB NO:	0279-00026-2022-0998
DATE:	JUNE 2022

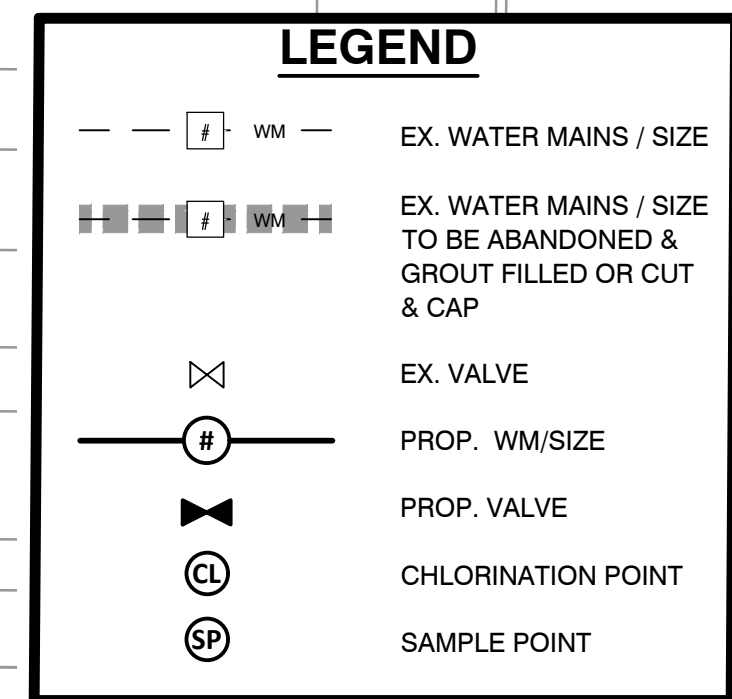
G1.02

BID DOCUMENTS
06/25/2025

UP-25-002UP-25-002UP-25-002UP-25-002



1. SAMPLE AND CHLORINATION POINTS SHALL BE FIELD LOCATED NOT TO EXCEED 1,200 FEET APART.
2. CONTRACTOR SHALL CUT AND CAP ALL EXISTING WATER SERVICE LATERALS AT THE ROW UPON CONNECTION OF PRIVATE PROPERTIES TO THE NEW WATER SERVICE LATERAL. SEE DETAIL B ON D1.01.
3. DUE TO SCALE, NOTE THAT PROPOSED VALVES AND LOCATE STATIONS DO NOT APPEAR ON THIS DRAWING. CONTRACTOR SHALL REFER TO DRAWINGS C1.01 THROUGH C1.13 FOR LOCATIONS OF VALVES AND LOCATE STATIONS.
4. CONTRACTOR TO VERIFY WITH CITY ENGINEER THE EXACT LOCATION OF ALL SAMPLE POINTS AND CHLORINATION POINTS.
5. FOLLOWING ABANDONMENT OF EXISTING WATER MAINS, THE CONTRACTOR SHALL CLOSE ALL EXISTING VALVES AND REMOVE ALL EXISTING VALVE BOXES, WHETHER SHOWN HEREIN OR NOT.
6. CONTRACTOR SHALL RESTORE ALL ROADS, SIDEWALK, SOD OR ANY DAMAGE CAUSED FROM ABANDONMENT OF PIPES OR VALVES.
7. PROPOSED WATER VALVES SHALL NOT BE INSTALLED WITHIN ADA RAMPS. CONFLICTS SHALL BE DISCUSSED WITH THE CITY PRIOR TO INSTALLATION.
8. ALL EXISTING FIRE HYDRANTS TO BE REMOVED SHALL BE CUT AT THE STRINGER LINE.

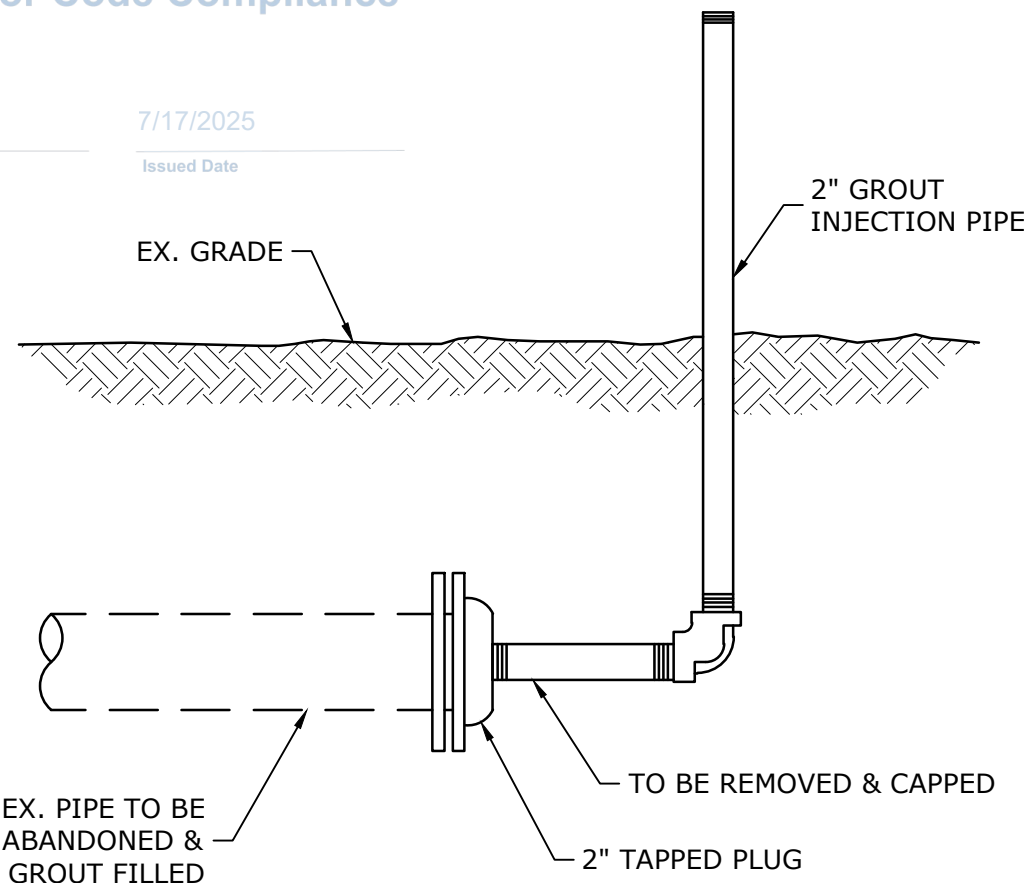


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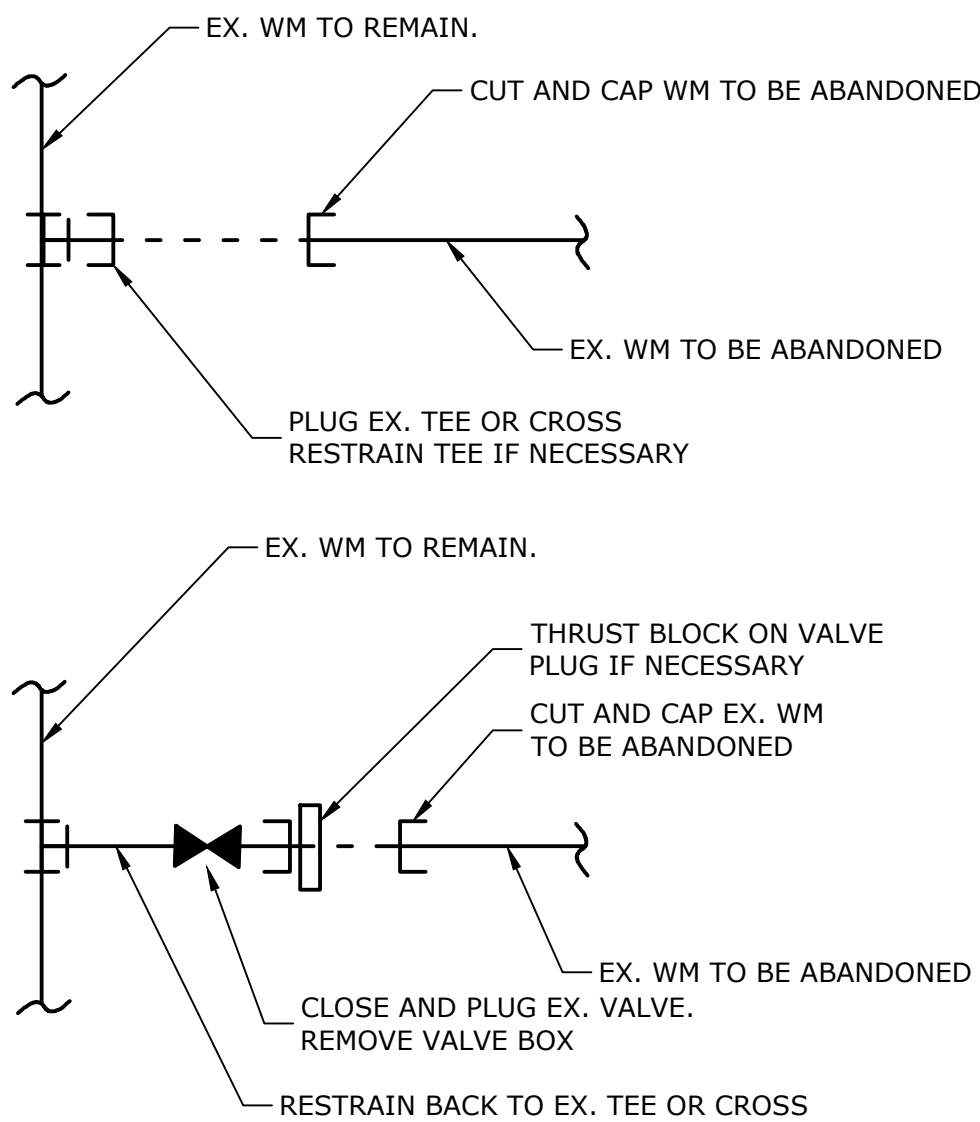
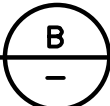
Reviewed for Code Compliance

UP-25-00226 7/17/2025
Sheet Number Issued Date



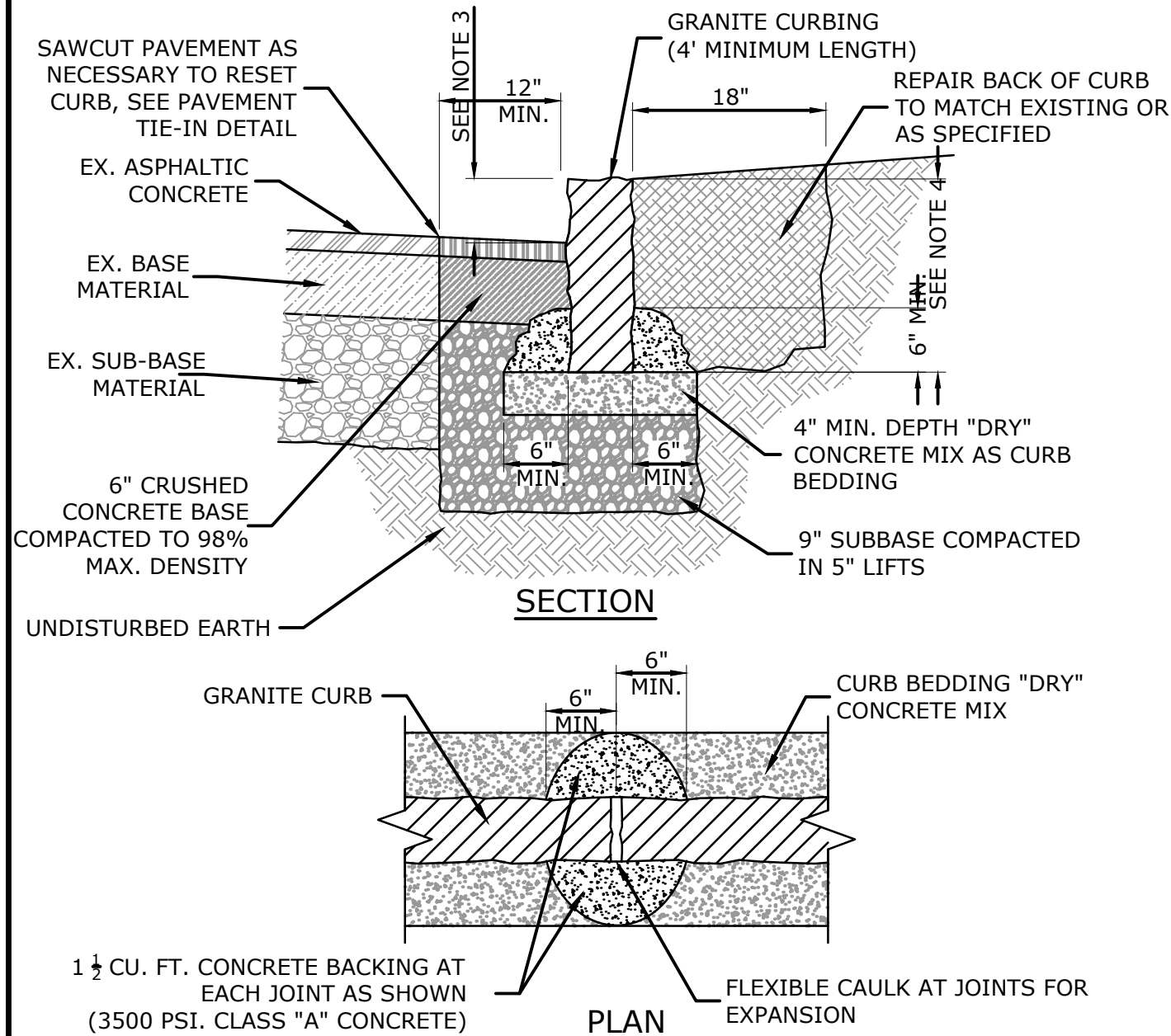
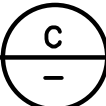
4" & LARGER WM ABANDONMENT & GROUT FILL DETAIL

NTS



WATER MAIN ABANDONMENT DETAIL

NTS

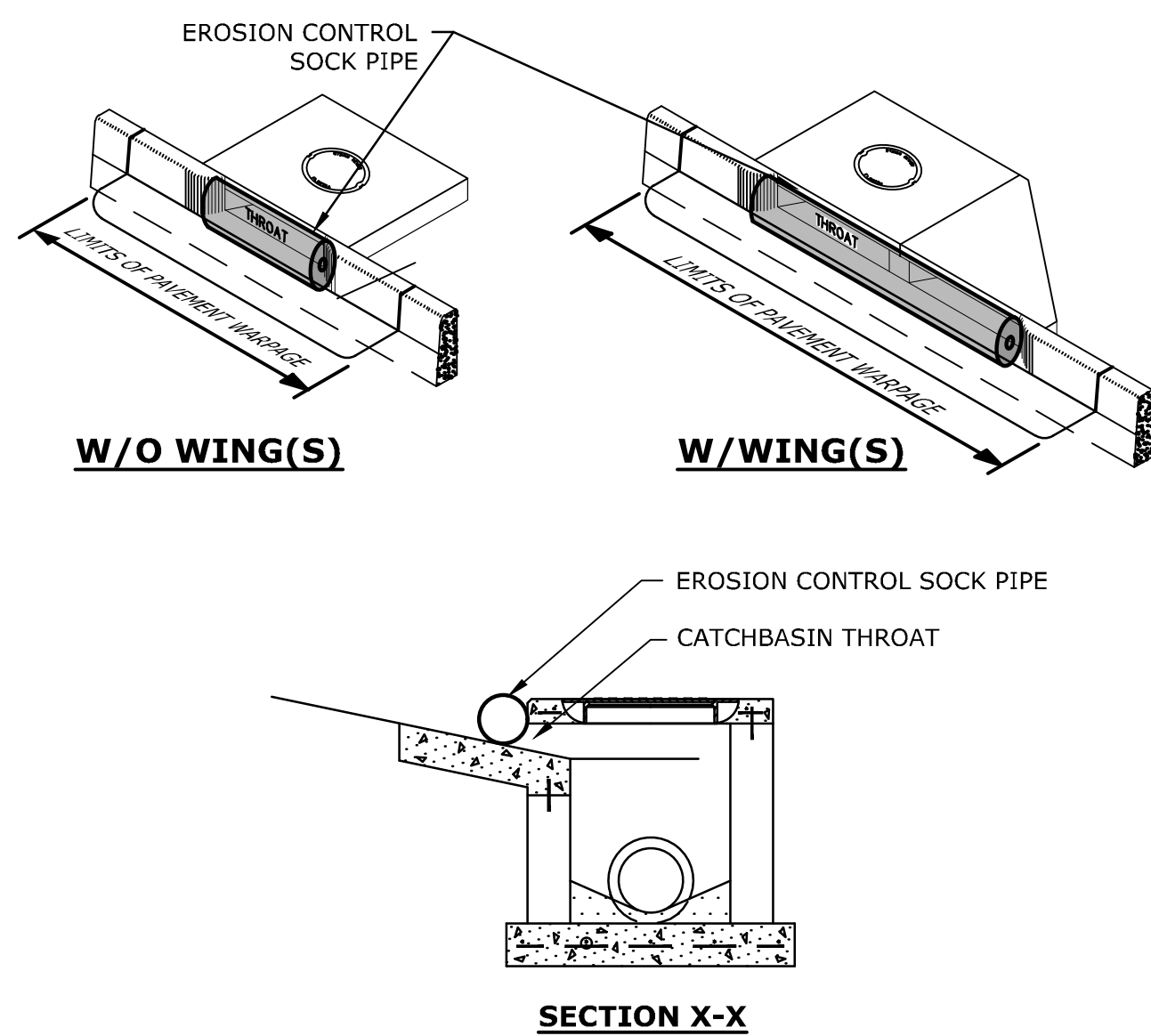
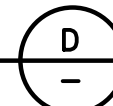


NOTES:

1. CONTRACTOR TO REMOVE AND STORE EX. GRANITE CURB TO BE RE-INSTALLED AS NECESSARY OR AS DIRECTED BY THE CITY REPRESENTATIVES.
2. EXPANSION JOINT MATERIAL SHALL BE INSTALLED WHEN CURB IS SET AGAINST NEW OR EXISTING SIDEWALK / DRIVEWAYS OR AS ORDERED BY THE ENGINEER
3. A 6" CURB REVEAL SHALL BE MAINTAINED, FOR CURB RESETTNG OR REPLACEMENT, MATCH EXISTING REVEAL
4. CURB HEIGHT SHALL BE 18" AND CURB LENGTH SHALL BE 4 FEET MIN. OR MATCH EXISTING
5. CONTRACTOR TO REPLACE ANY CURB DAMAGED DURING REMOVAL AND REPLACEMENT AT NO ADDITIONAL COST TO THE OWNER.

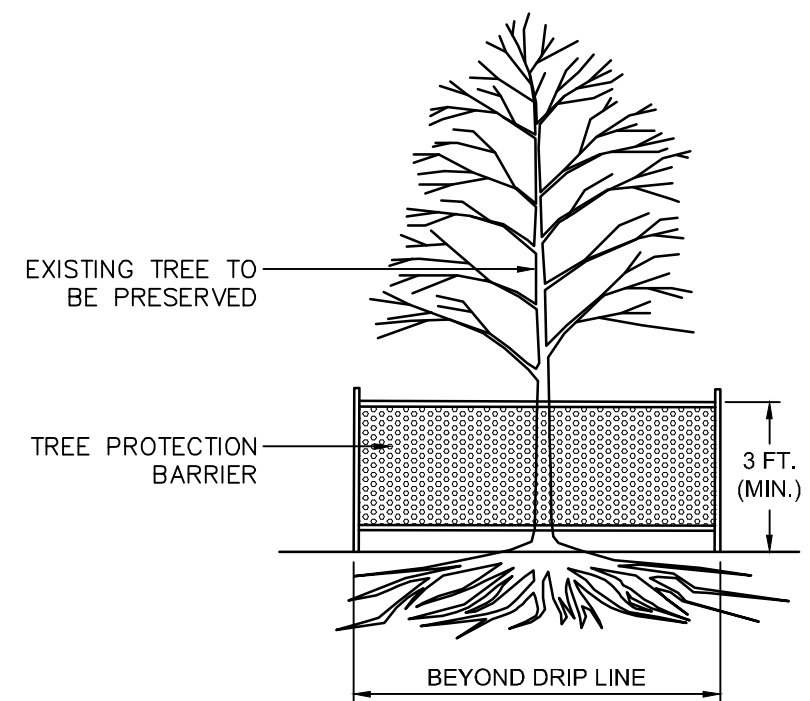
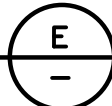
GRANITE CURB RESET OR REPLACEMENT DETAIL

NTS



CURB INLET FILTER SOCK SEDIMENTATION CONTROL DETAIL

NTS



GENERAL NOTES:

1. A TEMPORARY PROTECTIVE BARRIER SHALL BE PLACED AT THE DRIP LINE OF THE TREE(S) TO BE SAVED. THE PROTECTIVE BARRIER SHALL BE APPROVED BY THE CITY ARBORIST AND REMAIN IN PLACE UNTIL LAND ALTERATION, SITE CLEARING, AND CONSTRUCTION ACTIVITIES ARE COMPLETE.
2. FOR (2) INCH CALIPER TREES OR SMALLER, THE PROTECTIVE RADIUS SHALL BE A MINIMUM OF (6) FOOT DIAMETER.
3. THE TEMPORARY PROTECTIVE BARRIER SHALL COMPLETELY ENCLOSE THE TREE(S) CREATING A PROTECTIVE RADIUS AROUND THE TREE(S) TO BE SAVED. IF THE DRIP LINE OF THE TREE(S) CANNOT BE BARRICADED DUE TO CONSTRUCTION ACCESS THE PROTECTIVE BARRIER SHALL BE INSTALLED AT THE GREATEST EXTENT POSSIBLE WITH THE REMAINDER OF THE DRIP LINE TO BE MULCHED AT A DEPTH OF (6) TO (8) INCHES TO PREVENT COMPACTION OF THE ROOT SYSTEM DURING CONSTRUCTION ACTIVITIES. MULCH TO BE REMOVED FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES.
4. AT A MINIMUM, THE TEMPORARY PROTECTIVE BARRIER SHALL BE (3) FEET IN HEIGHT AND BE CONSTRUCTED OF (2) INCH x (2) INCH VERTICAL POSTS INSTALLED (6) INCHES BELOW GRADE. POSTS SHALL BE INSTALLED AT A MAXIMUM OF (10) FEET ON CENTER. AVOID DRIVING POSTS INTO MAJOR ROOTS. ORANGE MESH FENCING SHALL BE SECURELY ATTACHED TO POSTS ENCIROLING THE TREE(S) AND DEFINING THE PROTECTIVE RADIUS.
5. FOR TREES (12) INCH DBH OR LARGER THE PROTECTIVE BARRIER SHALL BE CONSTRUCTED OF CHAIN LINK FENCING WITH POSTS INSTALLED AT A MAXIMUM OF (10) FEET ON CENTER.
6. DEAD TREES, SCRUB OR UNDERGROWTH SHALL BE CUT FLUSH WITH ADJACENT GRADE. THERE WILL BE NO SOIL DISTURBANCE WITHIN THE PROTECTIVE BARRIER OF TREES TO BE PRESERVED.
7. TREATMENT OF ROOTS EXPOSED DURING CONSTRUCTION: FOR ROOTS OVER (1) INCH IN DIAMETER DAMAGED DURING CONSTRUCTION, MAKE A CLEAN STRAIGHT CUT TO REMOVE DAMAGED PORTION OF ROOT. ALL EXPOSED ROOTS SHOULD BE TEMPORARILY COVERED WITH (2) INCH MINIMUM DEPTH DAMP MULCH AS SOON AS POSSIBLE TO PREVENT DRYING.
8. NO EQUIPMENT OR MACHINERY SHALL BE USED WITHIN THE PROTECTIVE BARRIER. WORK WITHIN THE PROTECTIVE BARRIER SHALL BE DONE MANUALLY.
9. NO STOCKPILING OF MATERIALS, VEHICULAR TRAFFIC, OR STORAGE IS ALLOWED WITHIN THE LIMIT OF THE PROTECTIVE BARRIER.



CITY OF SAFETY HARBOR

Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

TREE PROTECTIVE BARRIER

REVISIONS	
BY	DATE
BD	11/01/2017
BD	12/31/2019
SCALE: N.T.S.	
DATE:	APRIL 2015
DETAIL NUMBER:	
LA1	

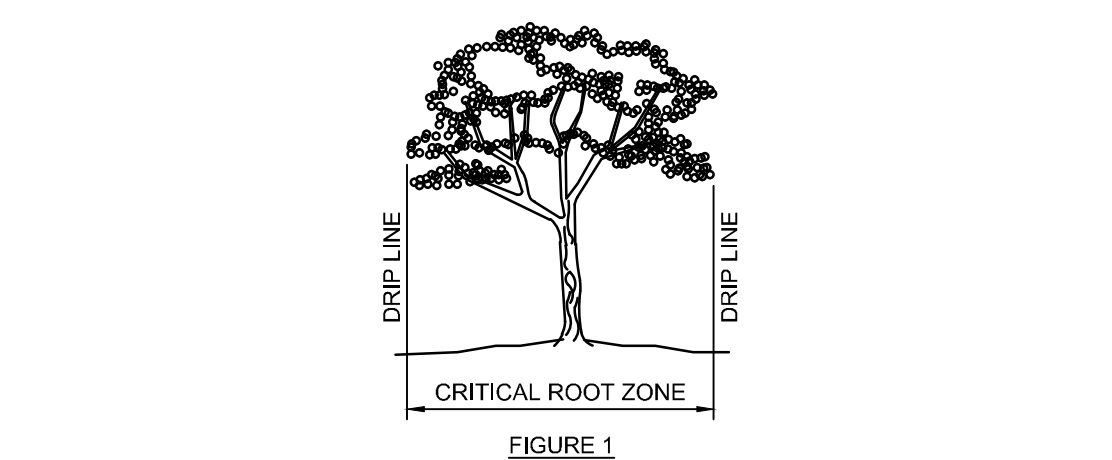


FIGURE 1

FIGURE 2

ROOT PRUNING SPECIFICATIONS

WHEN CONSTRUCTION ACTIVITIES AFFECT PROTECTED TREES SO THAT THE CRITICAL ROOT ZONE (SEE FIGURE 1) IS DISTURBED, ADHERENCE TO THE FOLLOWING ARBORICULTURAL TECHNIQUES IS REQUIRED.

UTILITIES SHALL BE ROUTED IN THE CRITICAL ROOT ZONE AREA OF A PROTECTED TREE BY BORING AND AIR SPADING. THESE PROCEDURES WILL PREVENT DAMAGE TO THE TREE'S ROOT SYSTEM.

ROOT PRUNING: WHEN CRITICAL ROOT ZONE AREA IS DISTURBED, AFFECTED ROOTS MUST BE SEVERED BY CLEAN PRUNING CUTS AT THE POINT WHERE CONSTRUCTION IMPACTS THE ROOTS. A STUMP GRINDER, CHAIN SAW, HAND SAW AND LOPPER ARE TOOLS THAT WILL MAKE A CLEAN CUT.

ROOT PRUNING IN THE CRITICAL ROOT ZONE REQUIRES APPROVAL BY THE CITY ARBORIST. ROOT PRUNING SHALL BE DONE A MINIMUM OF 5 (FIVE) TIMES THE TRUNK DIAMETER AND ONLY ON ONE SIDE. LARGER TREES WILL REQUIRE MORE DISTANCE.

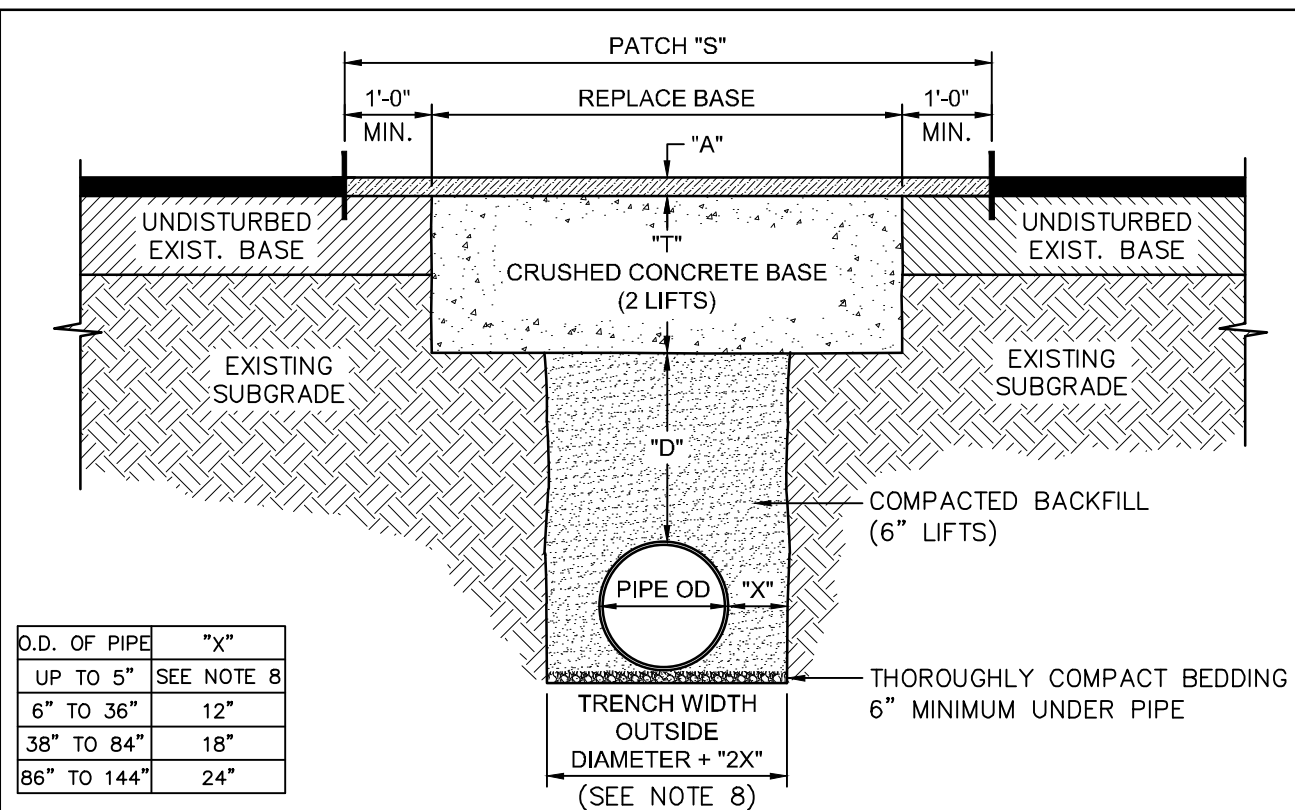


CITY OF SAFETY HARBOR

Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

ROOT PRUNING SPECIFICATIONS

REVISIONS	
BY	DATE
BD	11/01/2017
BD	12/31/2019
SCALE: N.T.S.	
DATE:	JULY 22, 2015
DETAIL NUMBER:	
LA3	



SCHEDULE					REMARKS
ITEM	ALLEY / DRIVE	STANDARD ROAD	COMMERCIAL ROAD		
A ASPHALT THICKNESS (MIN.)	1\"	TYPE SP9.5	1\"-1\" TYPE SP9.5	2\"-1\" TYPE SP12.5	
T BASE THICKNESS (MIN.)	REPLICATE EXISTING BASE THICKNESS + 2\"				MAY BE SUBSTITUTED WITH ASPHALT OR AS DIRECTED BY CITY ENGINEER
S PATCH WIDTH (MIN.)	24\"	10\"	10\"		
D COVER DEPTH (MIN.)	30\"	36\"	36\"		

NOTES:

1. ALL PAVING PREPARATION SHALL MEET CITY OF SAFETY HARBOR'S STANDARD SPECIFICATIONS.
2. TRENCH BACKFILL SHALL BE PLACED IN 8-INCH LIFTS. EACH LIFT COMPACTED TO 100% OF THE MAXIMUM DENSITY BY AASHTO T-99. FLOWABLE FILL MAY BE SUBSTITUTED FOR BACKFILL ON A CASE BY CASE BASIS. FLOWABLE FILL SHALL MEET FDOT STANDARD SPECIFICATIONS, AS APPROVED BY THE CITY ENGINEER.
3. CLAY IS NOT AN ACCEPTABLE BACKFILL MATERIAL.
4. PAVEMENT JOINTS SHALL BE MECHANICALLY SAW CUT IN NEAT LINES 1-FOOT BEYOND ANY SETTLED OR BROKEN AREAS.
5. BASE MATERIAL SHALL BE CRUSHED CONCRETE OF THE THICKNESS SHOWN (MIN. LBR 100) AND SHALL BE PLACED IN 6\"/>

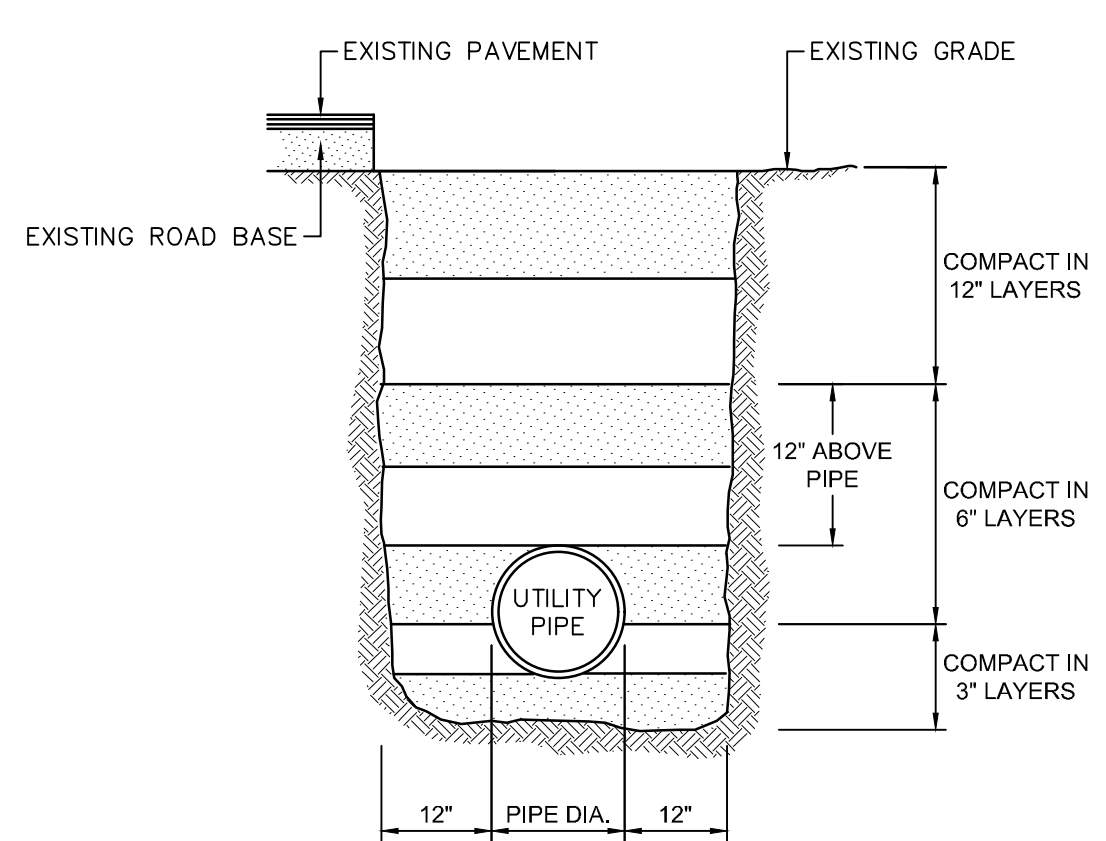


CITY OF SAFETY HARBOR

Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

OPEN CUT PAVEMENT TRENCH

REVISIONS	
BY	DATE
BD	12/31/2019
SS	07/05/2022
SCALE: N.T.S.	
DATE:	JANUARY 2011
DETAIL NUMBER:	
C1	



NOTES:

1. TRENCHES LOCATED UNDER PAVEMENT SHALL BE COMPACTED TO 100% OF MAXIMUM DENSITY BY A.A.S.H.T.O. T-99, METHOD C.
2. TRENCHES NOT LOCATED UNDER PAVEMENT SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY BY A.A.S.H.T.O. T-99.
3. TRENCH BACKFILL SHALL BE PLACED IN 6-INCH LIFTS. EACH LIFT COMPACTED TO 100% OF THE MAXIMUM DRY DENSITY BY A.A.S.H.T.O. T-99. FLOWABLE FILL MAY BE SUBSTITUTED FOR BACKFILL ON A CASE BY CASE BASIS. FLOWABLE FILL SHALL MEET FDOT STANDARD SPECIFICATIONS, AS APPROVED BY THE CITY ENGINEER.
4. CLAY IS NOT AN ACCEPTABLE BACKFILL MATERIAL.
5. INSTALL CLEAN DRY COMPACTABLE MATERIAL AROUND THE PIPE.
6. DENSITY TESTS WILL BE PERFORMED AT THE CONTRACTOR'S EXPENSE FOR EACH 6-INCH LIFT OF COMPACTED MATERIAL PLACED AND COMPACTED AT LOCATIONS DESIGNATED BY THE CITY ENGINEER. ALL DENSITY REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE LATEST REVISION OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
7. REPLACEMENT OF PAVED SURFACES SHALL BE MADE IN ACCORDANCE WITH SAFETY HARBOR CITY STANDARDS.



CITY OF SAFETY HARBOR

Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

TRENCH BACKFILL

REVISIONS	
BY	DATE
BD	12/31/2019
SS	05/25/2022
SCALE: N.T.S.	
DATE:	APRIL 2003
DETAIL NUMBER:	
C2	

SEMINOLE PARK AND MAPLEWAY WATER MAIN REPLACEMENT (UT0096)

MISCELLANEOUS DETAILS (1)

JOB NO: 0279-00026-2022-0988
DATE: JUNE 2022

D1.01

BID DOCUMENTS
06/25/2025

March 13, 2018 O:\ENV\2019\0029\0029\0989\Production\Drawings\DETAILS.dwg

Pinellas County Building & Development Review Services
UP-25-00226 7/17/2017
Issued Date

CITY OF SAFETY HARBOR
Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

TYPICAL PAVEMENT TIE-IN & TYPICAL PAVEMENT SECTION

REVISIONS
BY: BD DATE: 11/01/2017
SS: 05/25/2022
SCALE: N.T.S.
DATE: MAY 2014
DETAIL NUMBER: C3

CITY OF SAFETY HARBOR
Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

HANDICAP RAMP

REVISIONS
BY: BD DATE: 11/01/2017
SS: 07/07/2022
SCALE: N.T.S.
DATE: DECEMBER 2012
DETAIL NUMBER: C13

CITY OF SAFETY HARBOR
Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

CURB DETAILS

REVISIONS
BY: BD DATE: 11/01/2017
SS: 05/25/2022
SCALE: N.T.S.
DATE: NOVEMBER 2003
DETAIL NUMBER: C10

CITY OF SAFETY HARBOR
Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

WATER NOTES

REVISIONS
BY: BD DATE: 11/01/2017
SS: 07/07/2022
SCALE: N.T.S.
DATE: OCTOBER 2019
DETAIL NUMBER: W1

CITY OF SAFETY HARBOR
Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

DRIVEWAY APRON

REVISIONS
BY: BD DATE: 04/22/2016
SS: 05/25/2022
SCALE: N.T.S.
DATE: NOVEMBER 2003
DETAIL NUMBER: C11

CITY OF SAFETY HARBOR
Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

**UTILITY SEPARATION REQUIREMENTS
F.A.C. RULE 62-555.314**

REVISIONS
BY: BD DATE: 11/01/2017
SS: 07/07/2022
SCALE: N.T.S.
DATE: MARCH 2012
DETAIL NUMBER: W2

CITY OF SAFETY HARBOR
Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

SIDEWALK DETAILS


REVISIONS
BY: BD DATE: 11/01/2017
SS: 05/25/2022
SCALE: N.T.S.
DATE: NOVEMBER 2003
DETAIL NUMBER: C12

CITY OF SAFETY HARBOR
Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

**TYPICAL ROAD CROSSING
FOR WATER SERVICE LINES**

REVISIONS
BY: BD DATE: 12/31/2019
SS: 05/25/2022
SCALE: N.T.S.
DATE: NOVEMBER 2003
DETAIL NUMBER: W5

ARDURRA
COLLABORATE. INNOVATE. CREATE.
4921 Memorial Highway
One Memorial Center, Suite 300
Tampa, Florida 33634
Phone: (813) 880-8881
www.ardurra.com
License #2610

							Engineering Dept. 750 Main Street Safety Harbor, Florida 34695 Phone (727) 724-1555																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

**SEMINOLE PARK AND MAPLEWAY
WATER MAIN REPLACEMENT (UT0096)**

MISCELLANEOUS DETAILS (2)

JOB NO: 0279-00026-2022-0998
DATE: JUNE 2022

D1.02

BID DOCUMENTS
06/25/2025



Review for Code Compliance

PIPE SIZE	FITTING TYPE						
	90°	45°	22-1/2°	11-1/4°	DEAD END	TEE	VALVE
2"	3	1	1	1	4	3	3
4"	3	1	1	1	4	3	3
6"	4	2	1	1	6	4	4
8"	5	2	1	1	9	5	5
10"	6	3	1	1	10	6	6
12"	7	3	2	1	11	7	7
16"	8	4	2	1	14	8	8
20"	9	4	2	1	18	11	11
24"	10	4	2	1	22	13	13

TABLE APPLIES TO 20 FOOT PIPE LENGTHS @ 150 P.S.I.G. FOR 2 HOURS. (PER AWWA SPECIFICATIONS). TEST PRESSURE WITH 24" MIN., 36" MAX. OF COVER OVER PIPE. NUMBERS SHOWN IN TABLE ARE THE NUMBER OF BELL JOINTS FOR EACH SIDE OF FITTING. CONTINUE TO PLACE THE NEXT PIPE WITH NUMBER OF RESTRAINED BELL JOINTS AS CALLED OUT IN THE TABLE.

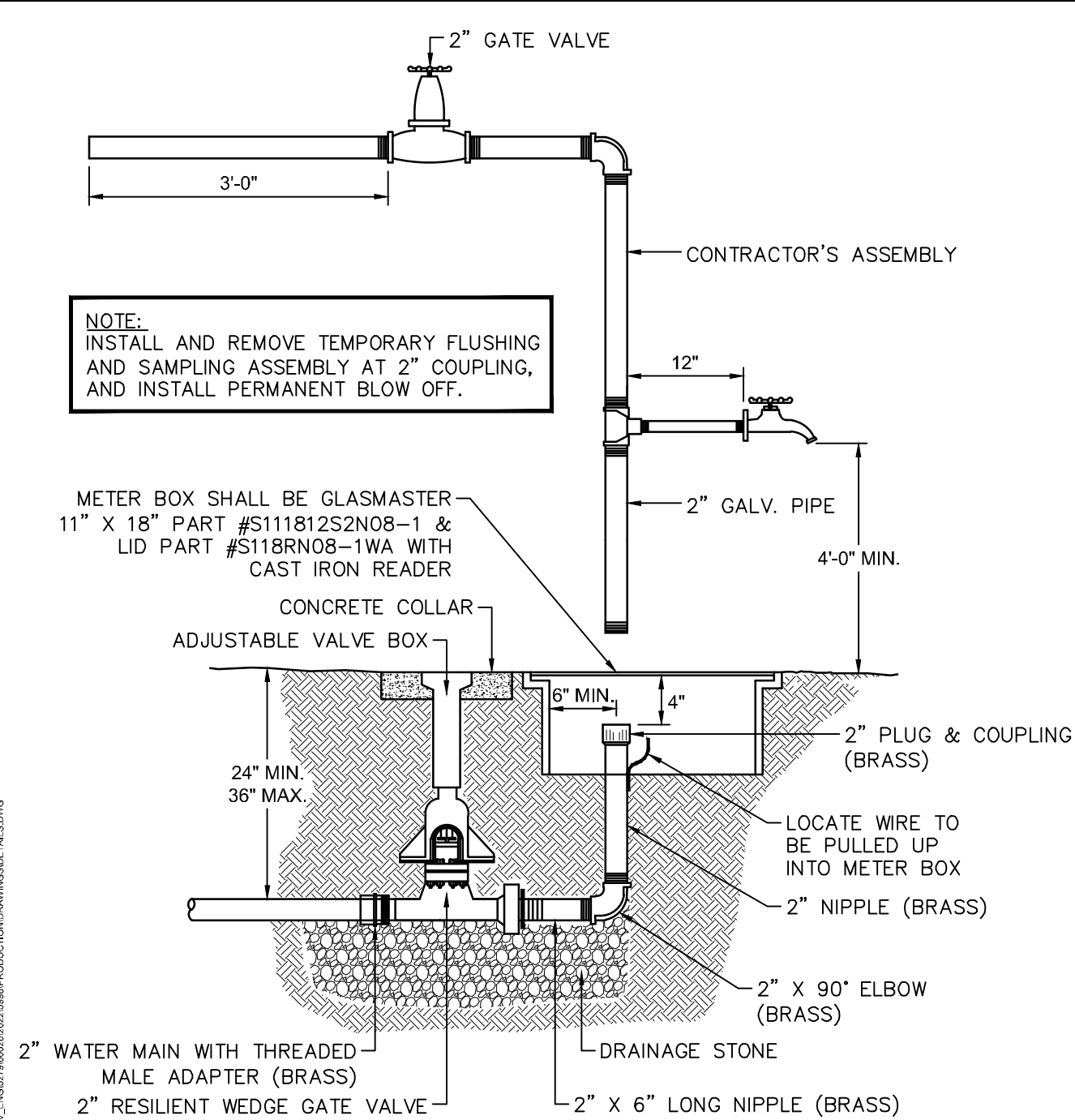
- NOTES:
1. NO GLUED JOINTS WILL BE ALLOWED. RESTRAINERS ARE THE ONLY ACCEPTABLE METHOD OF RESTRAINT.
 2. APPLIED TO WATER AND FORCE MAIN INSTALLATIONS.
 3. EBAA IRON WORKS MEGALUG ONLY (HAND TORQUED TO MANUFACTURERS SPECIFICATIONS).
 4. APPLY TO EXISTING PIPE IN GROUND. ALL NEW INSTALLS ARE REQUIRED TO BE RESTRAINED.



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RESTRAINED JOINT REQUIREMENTS

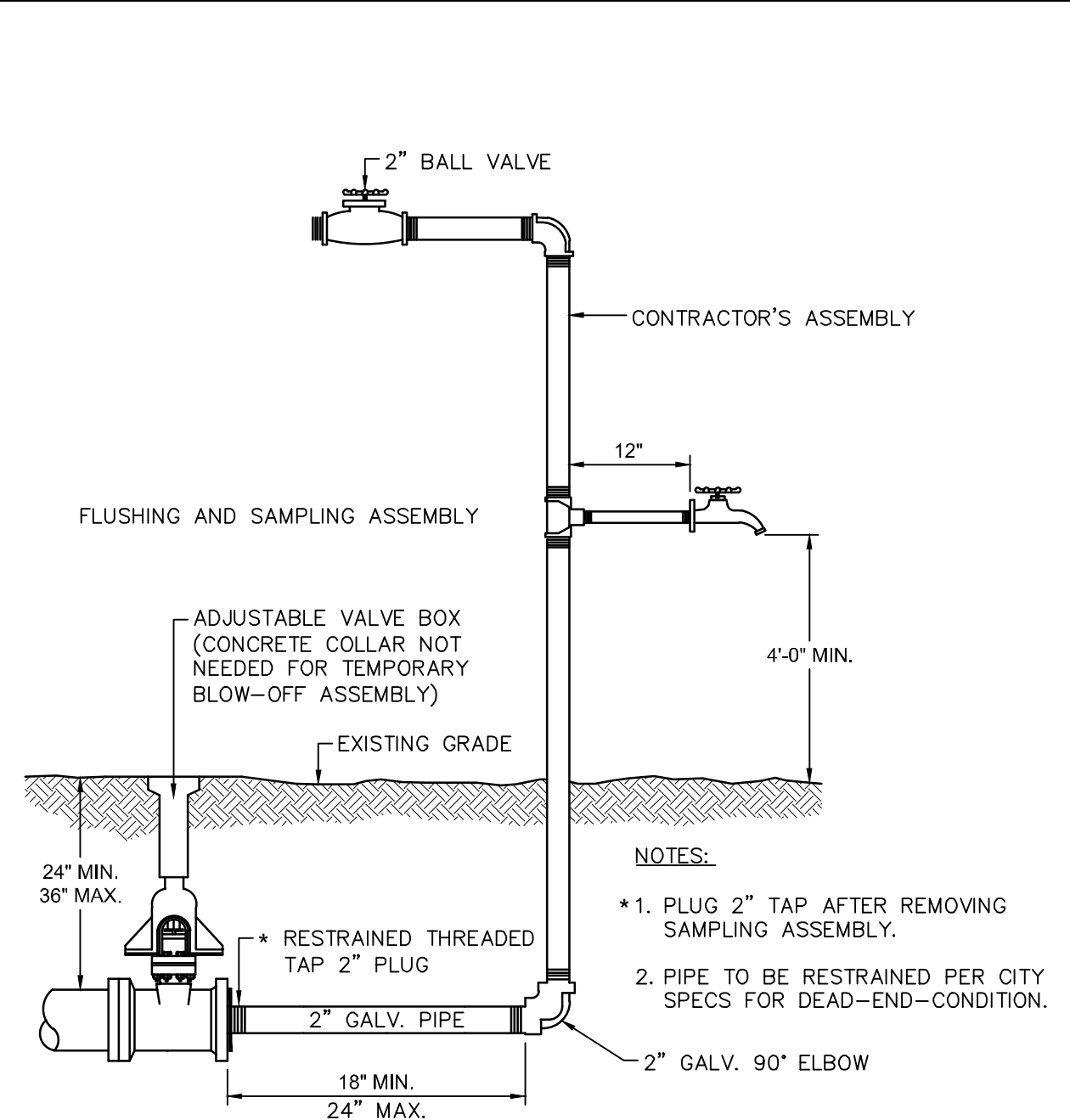
REVISIONS	
BY	DATE
BD	11/01/2017
SS	12/31/2019
SCALE: N.T.S.	
DATE:	NOVEMBER 2003
DETAIL NUMBER:	W6



CITY OF SAFETY HARBOR
Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

2" PERMANENT BLOW-OFF ASSEMBLY

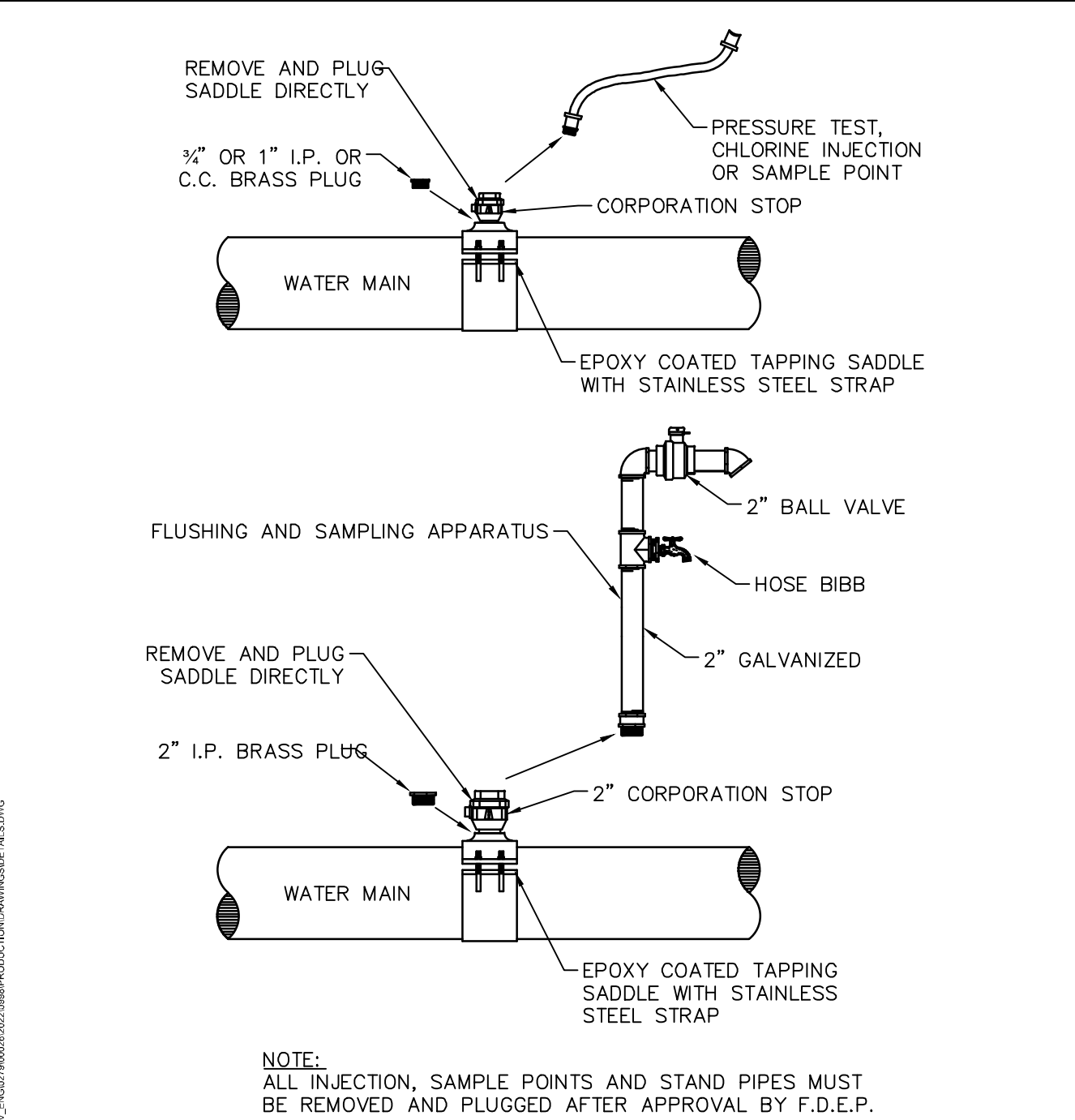
REVISIONS	
BY	DATE
BD	11/01/2017
SS	12/31/2019
SCALE: N.T.S.	
DATE:	JUNE 2013
DETAIL NUMBER:	W7



CITY OF SAFETY HARBOR
Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

2" TEMPORARY BLOW-OFF ASSEMBLY

REVISIONS	
BY	DATE
BD	12/31/2019
SS	05/27/2022
SCALE: N.T.S.	
DATE:	JUNE 2013
DETAIL NUMBER:	W8

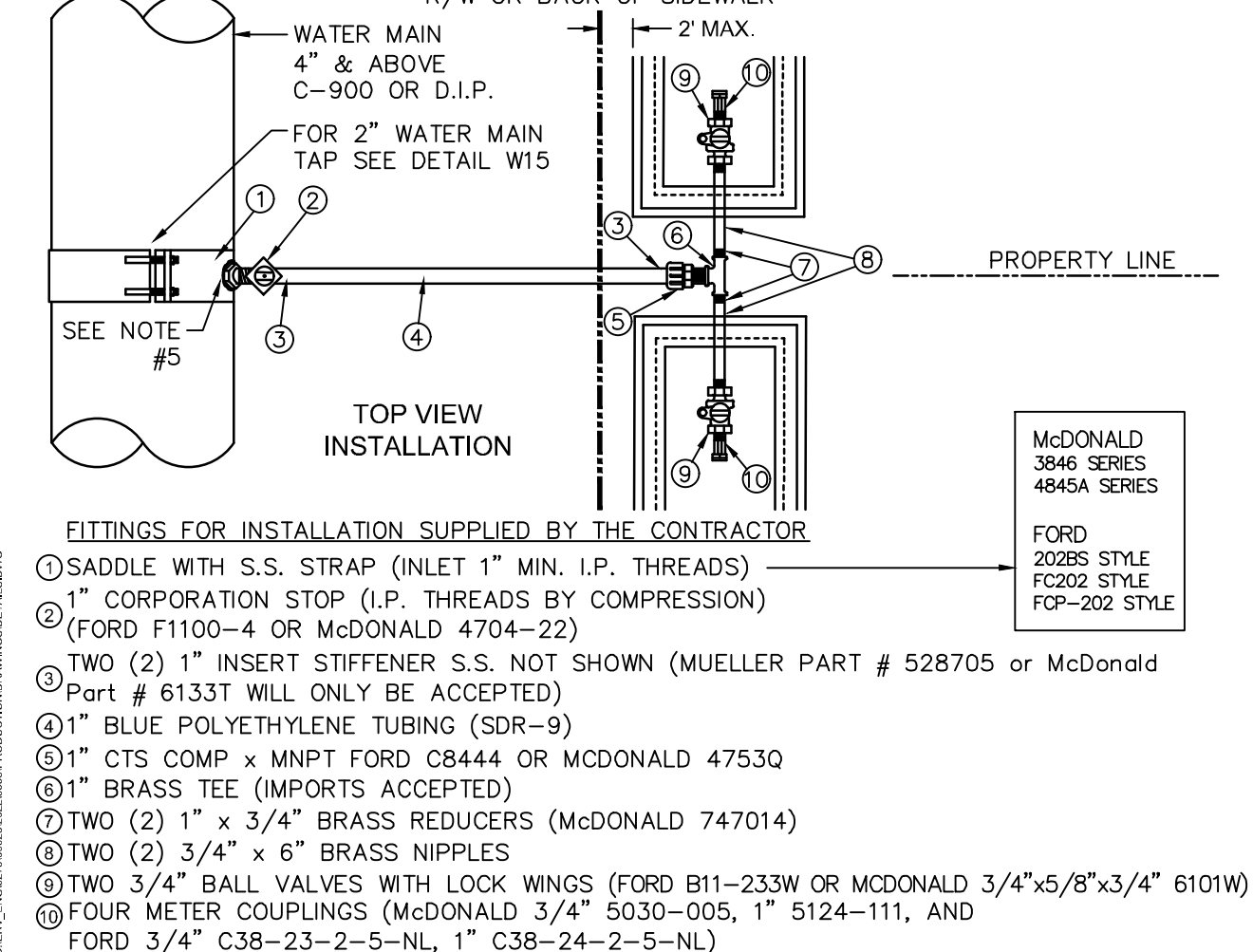


CITY OF SAFETY HARBOR
Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

BLOW-OFF REMOVAL PROCEDURE TEMPORARY BLOW-OFF

REVISIONS	
BY	DATE
BD	11/01/2017
SS	05/25/2022
SCALE: N.T.S.	
DATE:	JULY 2008
DETAIL NUMBER:	W9

- NOTES:
1. FOR A NEW SERVICE WHEN AN EXISTING METER IS NOT PRESENT, THE CITY WILL SUPPLY AND INSTALL THE FOLLOWING: 3/4" OR 1" WATER METER, DOUBLE CHECK VALVE ASSEMBLY, AND METER BOX WITH A READER LID. CUSTOMER MUST PAY FOR PARTS, IN ADVANCE, THROUGH THE CITY'S UTILITY BILLING DEPARTMENT.
 2. FOR ALL CAPITAL IMPROVEMENT PROJECTS OR SUBDIVISION DEVELOPMENTS, THE CONTRACTOR IS RESPONSIBLE FOR SUPPLYING AND INSTALLING THE METER BOXES WITH A READER LID.
 3. CONTRACTOR TO RECONNECT TO CUSTOMER'S EXISTING SERVICE LINE.
 4. CUSTOMER'S SERVICE LINE MUST EXIT THROUGH THE MOUSE HOLE OF METER BOX. METER BOX SHALL NOT BE ALTERED.
 5. DRILL BIT OR SHELL CUTTER SIZE MUST BE 7/8".
 6. ALL FITTINGS SHALL BE LEAD FREE.
 7. PVC SCH 40 MUST EXTEND FROM BACK OF METER/BACKFLOW 12" OUTSIDE METER BOX. R/W OR BACK OF SIDEWALK

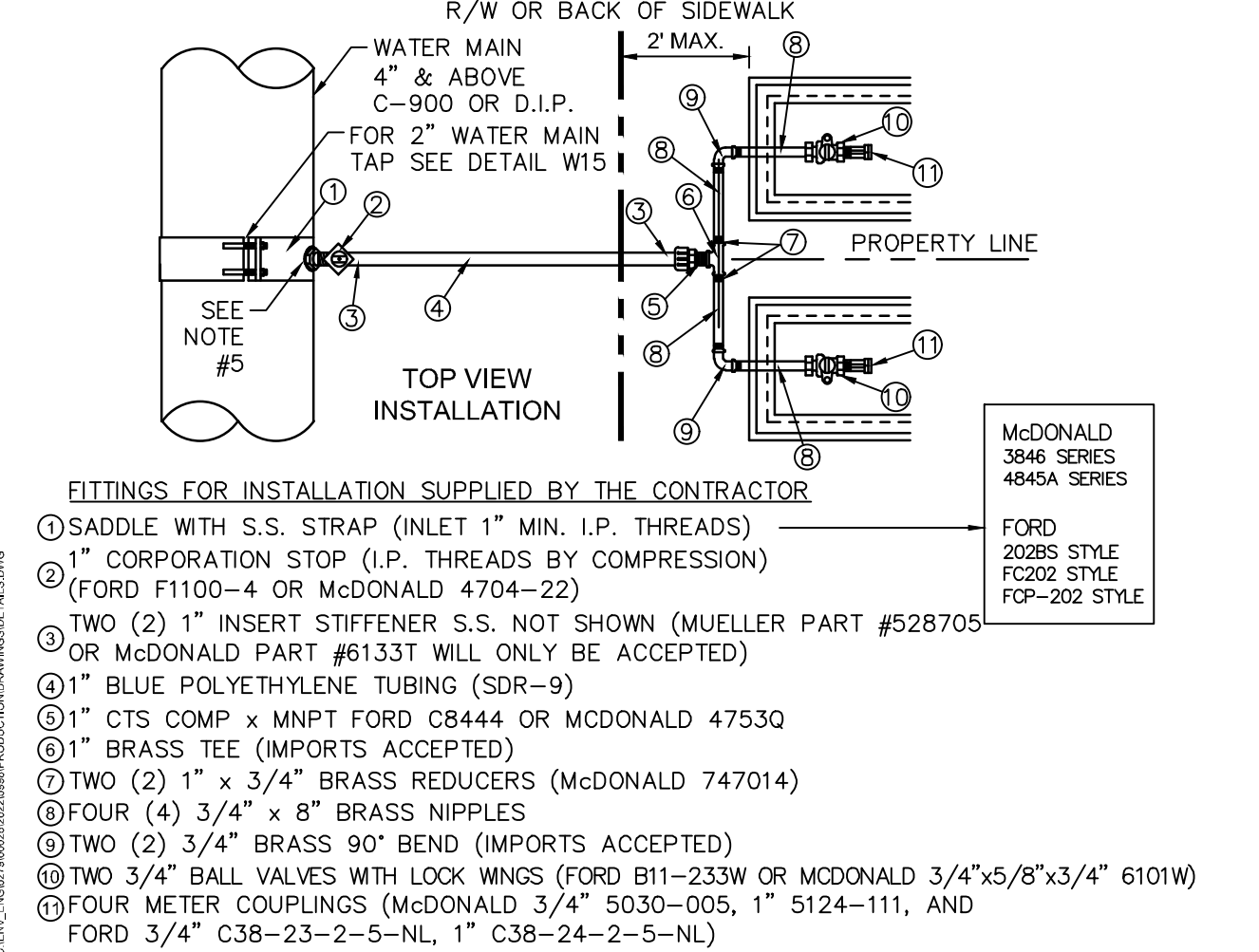


CITY OF SAFETY HARBOR
Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

DOUBLE SERVICE

REVISIONS	
BY	DATE
BD	12/31/2019
SS	07/06/2022
SCALE: N.T.S.	
DATE:	MARCH 2012
DETAIL NUMBER:	W12

- NOTES:
1. FOR A NEW SERVICE WHEN AN EXISTING METER IS NOT PRESENT, THE CITY WILL SUPPLY AND INSTALL THE FOLLOWING: 3/4" OR 1" WATER METER, DOUBLE CHECK VALVE ASSEMBLY, AND METER BOX WITH A READER LID. CUSTOMER MUST PAY FOR PARTS, IN ADVANCE, THROUGH THE CITY'S UTILITY BILLING DEPARTMENT.
 2. FOR ALL CAPITAL IMPROVEMENT PROJECTS OR SUBDIVISION DEVELOPMENTS, THE CONTRACTOR IS RESPONSIBLE FOR SUPPLYING AND INSTALLING THE METER BOXES WITH A READER LID.
 3. CONTRACTOR TO RECONNECT TO CUSTOMER'S EXISTING SERVICE LINE.
 4. CUSTOMER'S SERVICE LINE MUST EXIT THROUGH THE MOUSE HOLE OF METER BOX. METER BOX SHALL NOT BE ALTERED.
 5. DRILL BIT OR SHELL CUTTER SIZE MUST BE 7/8".
 6. ALL FITTINGS SHALL BE LEAD FREE.
 7. PVC SCH 40 MUST EXTEND FROM BACK OF METER/BACKFLOW 12" OUTSIDE METER BOX. R/W OR BACK OF SIDEWALK

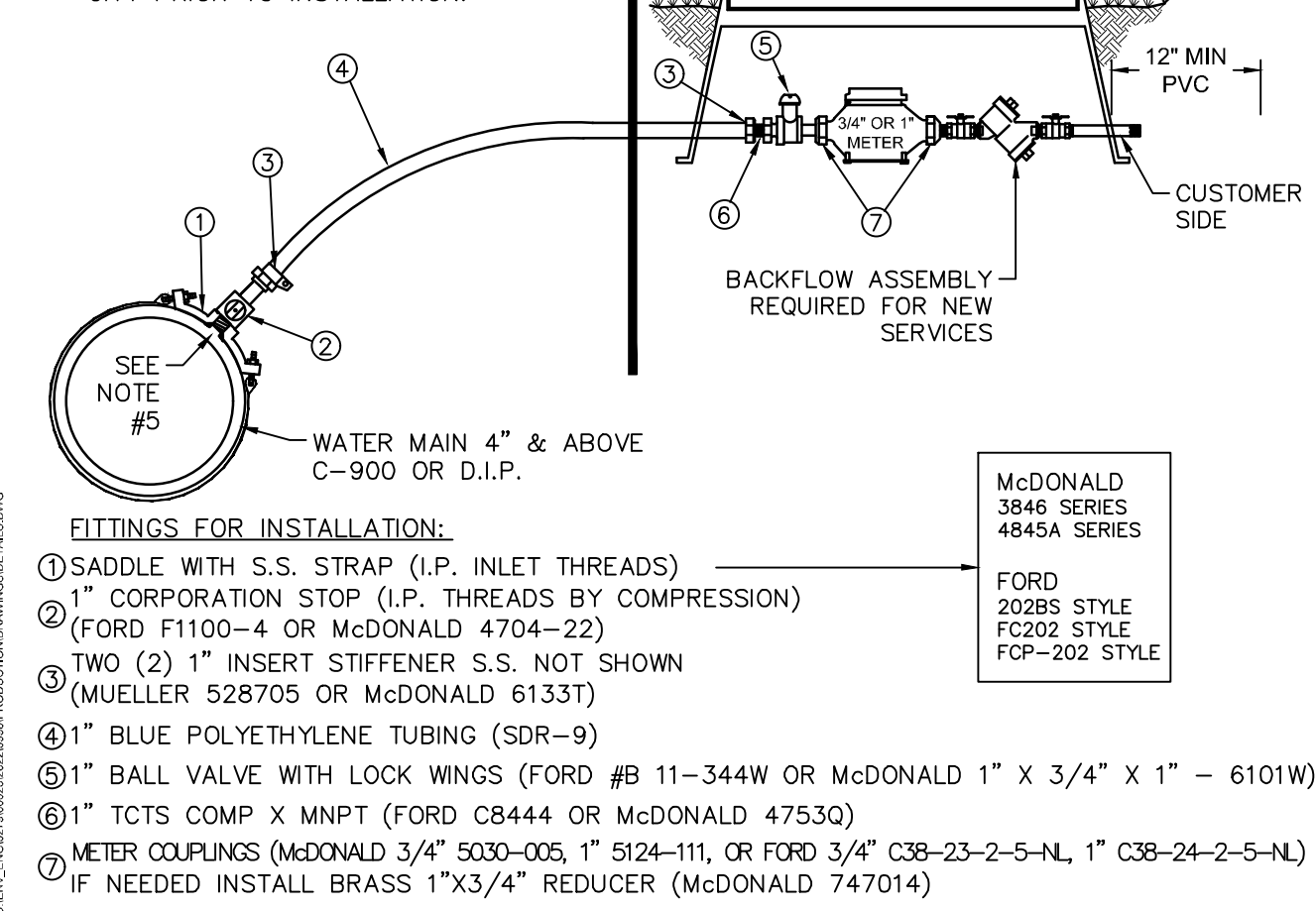


CITY OF SAFETY HARBOR
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750 Main Street, Safety Harbor, FL 34695
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DOUBLE SERVICE (FOR DIFFERENT CIRCUMSTANCES)

REVISIONS	
BY	DATE
BD	12/31/2019
SS	07/06/2022
SCALE: N.T.S.	
DATE:	MARCH 2012
DETAIL NUMBER:	W13

- NOTES:
1. FOR A NEW SERVICE WHEN AN EXISTING METER IS NOT PRESENT, THE CITY WILL SUPPLY AND INSTALL THE FOLLOWING: 3/4" OR 1" WATER METER, DOUBLE CHECK VALVE ASSEMBLY, AND METER BOX WITH A READER LID. CUSTOMER MUST PAY FOR PARTS, IN ADVANCE, THROUGH THE CITY'S UTILITY BILLING DEPARTMENT.
 2. FOR ALL CAPITAL IMPROVEMENT PROJECTS OR SUBDIVISION DEVELOPMENTS, THE CONTRACTOR IS RESPONSIBLE FOR SUPPLYING AND INSTALLING THE METER BOXES WITH A READER LID.
 3. CONTRACTOR TO RECONNECT TO CUSTOMER'S EXISTING SERVICE LINE.
 4. CUSTOMER'S SERVICE LINE MUST EXIT THROUGH THE MOUSE HOLE OF METER BOX. METER BOX SHALL NOT BE ALTERED.
 5. DRILL BIT OR SHELL CUTTER SIZE MUST BE 7/8".
 6. ALL FITTINGS SHALL BE LEAD FREE.
 7. PVC SCH 40 MUST EXTEND FROM BACK OF METER/BACKFLOW 12" OUTSIDE METER BOX. R/W OR BACK OF SIDEWALK
 8. ALL FITTINGS SHALL BE APPROVED BY CITY PRIOR TO INSTALLATION.

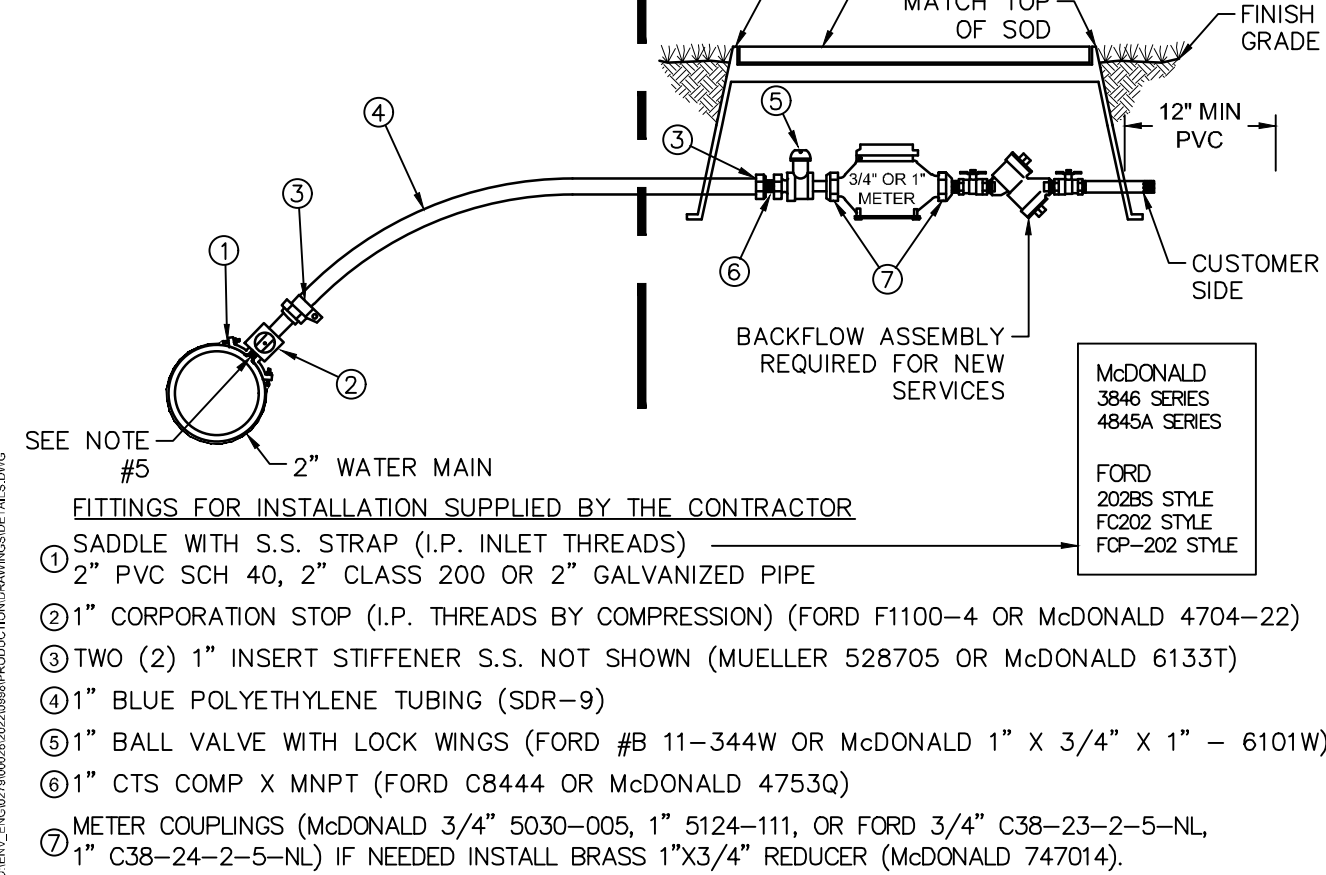


CITY OF SAFETY HARBOR
Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

1" SINGLE SERVICE (4" W.M. OR ABOVE)

REVISIONS	
BY	DATE
BD	12/31/2019
SS	07/06/2022
SCALE: N.T.S.	
DATE:	SEPTEMBER 2012
DETAIL NUMBER:	W14

- NOTES:
1. FOR A NEW SERVICE WHEN AN EXISTING METER IS NOT PRESENT, THE CITY WILL SUPPLY AND INSTALL THE FOLLOWING: 3/4" OR 1" WATER METER, DOUBLE CHECK VALVE ASSEMBLY, AND METER BOX WITH A READER LID. CUSTOMER MUST PAY FOR PARTS, IN ADVANCE, THROUGH THE CITY'S UTILITY BILLING DEPARTMENT.
 2. FOR ALL CAPITAL IMPROVEMENT PROJECTS OR SUBDIVISION DEVELOPMENTS, THE CONTRACTOR IS RESPONSIBLE FOR SUPPLYING AND INSTALLING THE METER BOXES WITH A READER LID.
 3. CONTRACTOR TO RECONNECT TO CUSTOMER'S EXISTING SERVICE LINE.
 4. CUSTOMER'S SERVICE LINE MUST EXIT THROUGH THE MOUSE HOLE OF METER BOX. METER BOX SHALL NOT BE ALTERED.
 5. DRILL BIT OR SHELL CUTTER SIZE MUST BE 7/8". A 3/4" SERVICE LINE WILL NOT BE ACCEPTED.
 6. ALL FITTINGS SHALL BE LEAD FREE.
 7. PVC SCH40 MUST EXTEND FROM BACK OF METER/BACKFLOW 12" OUTSIDE METER BOX.
 8. ALL FITTINGS SHALL BE APPROVED BY CITY PRIOR TO INSTALLATION.



CITY OF SAFETY HARBOR
Engineering Department
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SERVICE - 2"x1" TAP

REVISIONS	
BY	DATE
BD	12/31/2019
SS	07/06/2022
SCALE: N.T.S.	
DATE:	SEPTEMBER 2012
DETAIL NUMBER:	W15

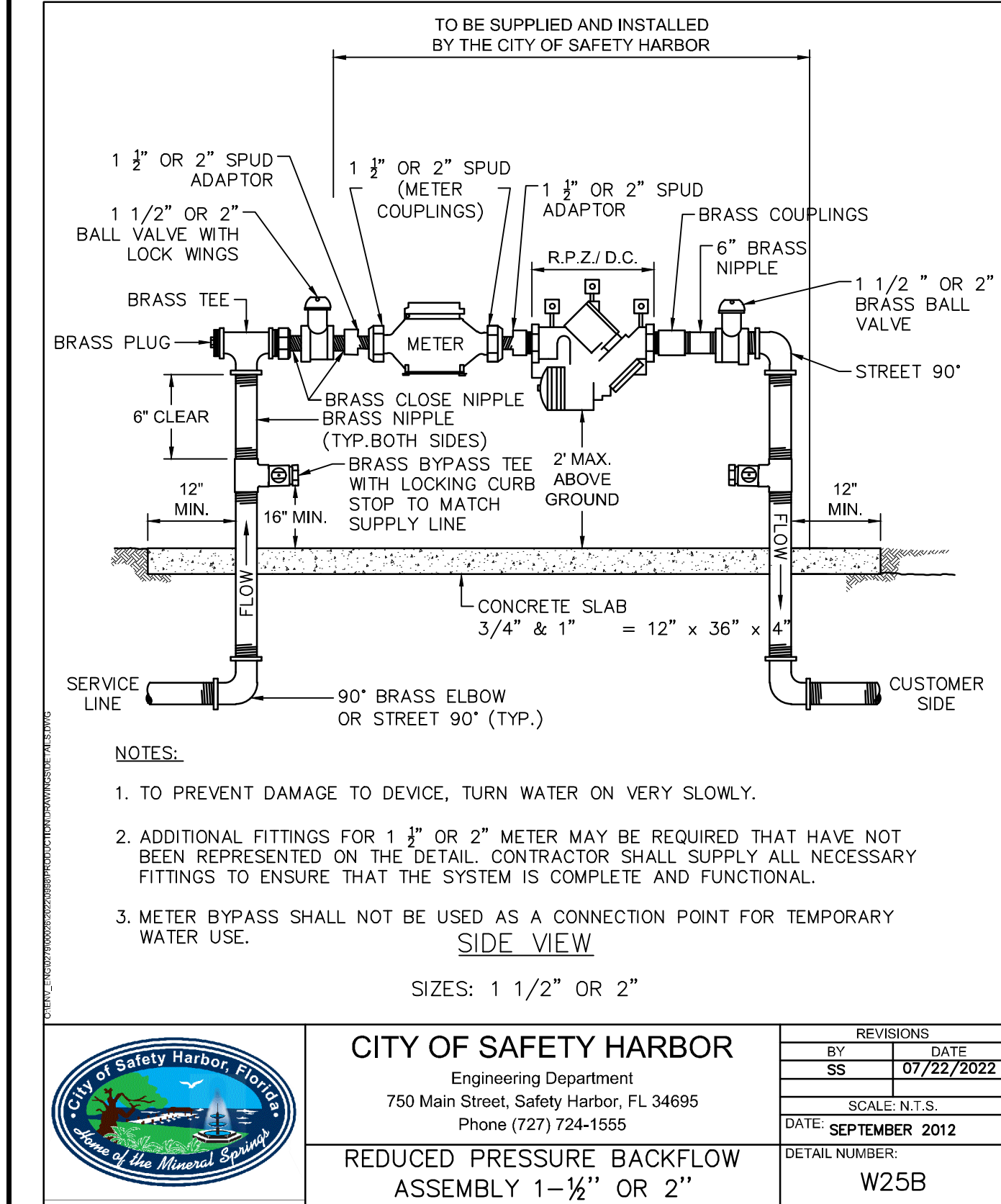
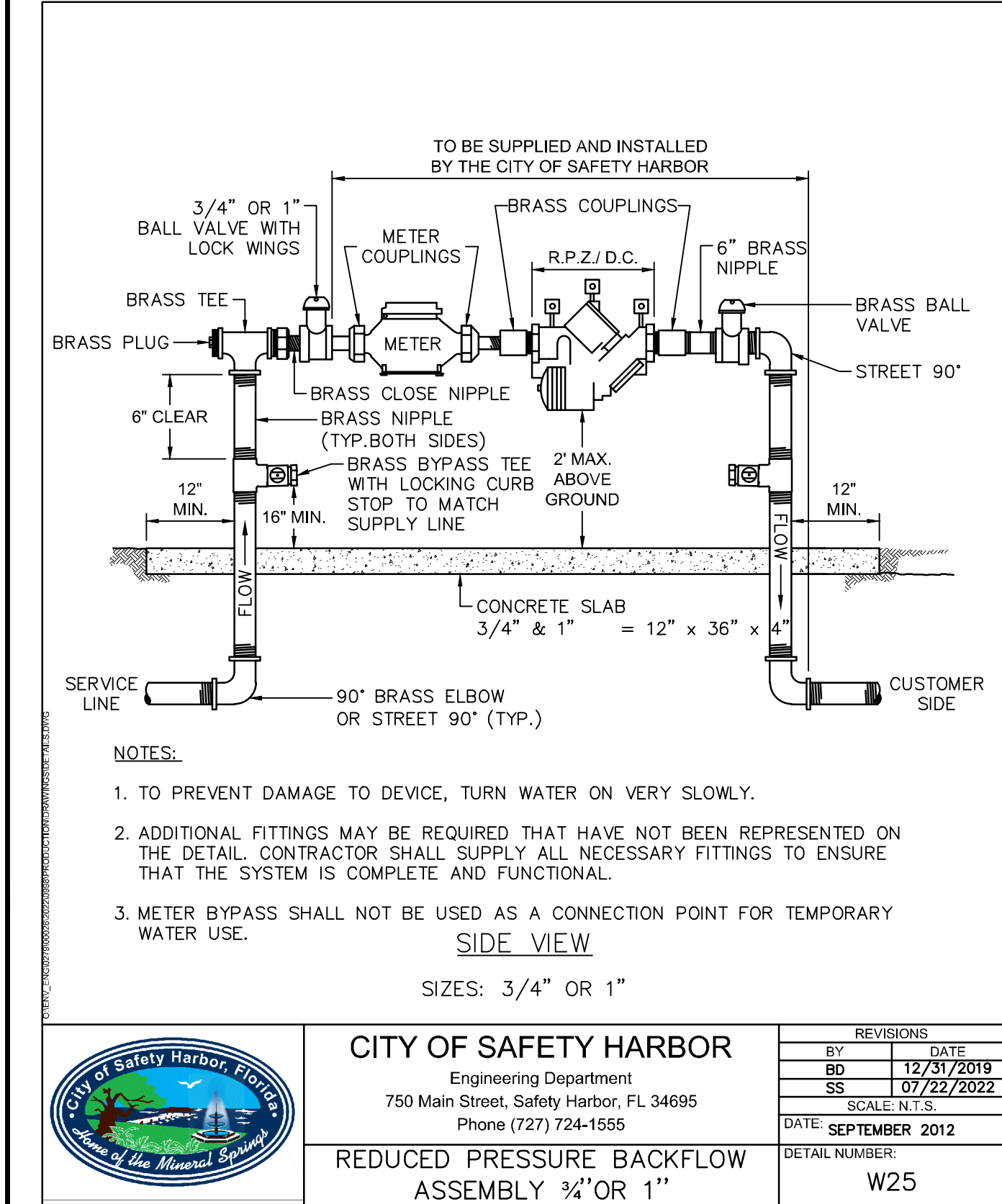
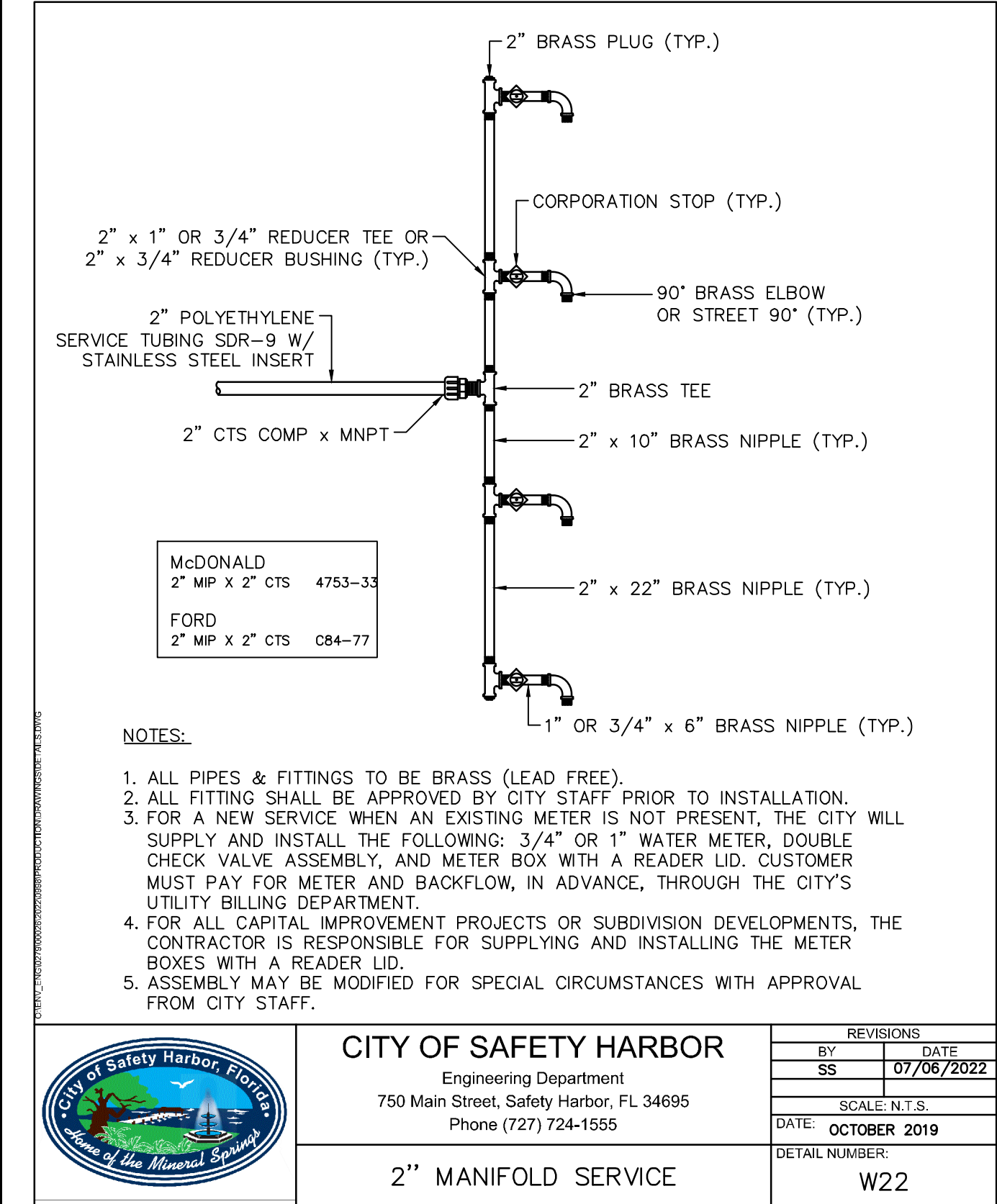
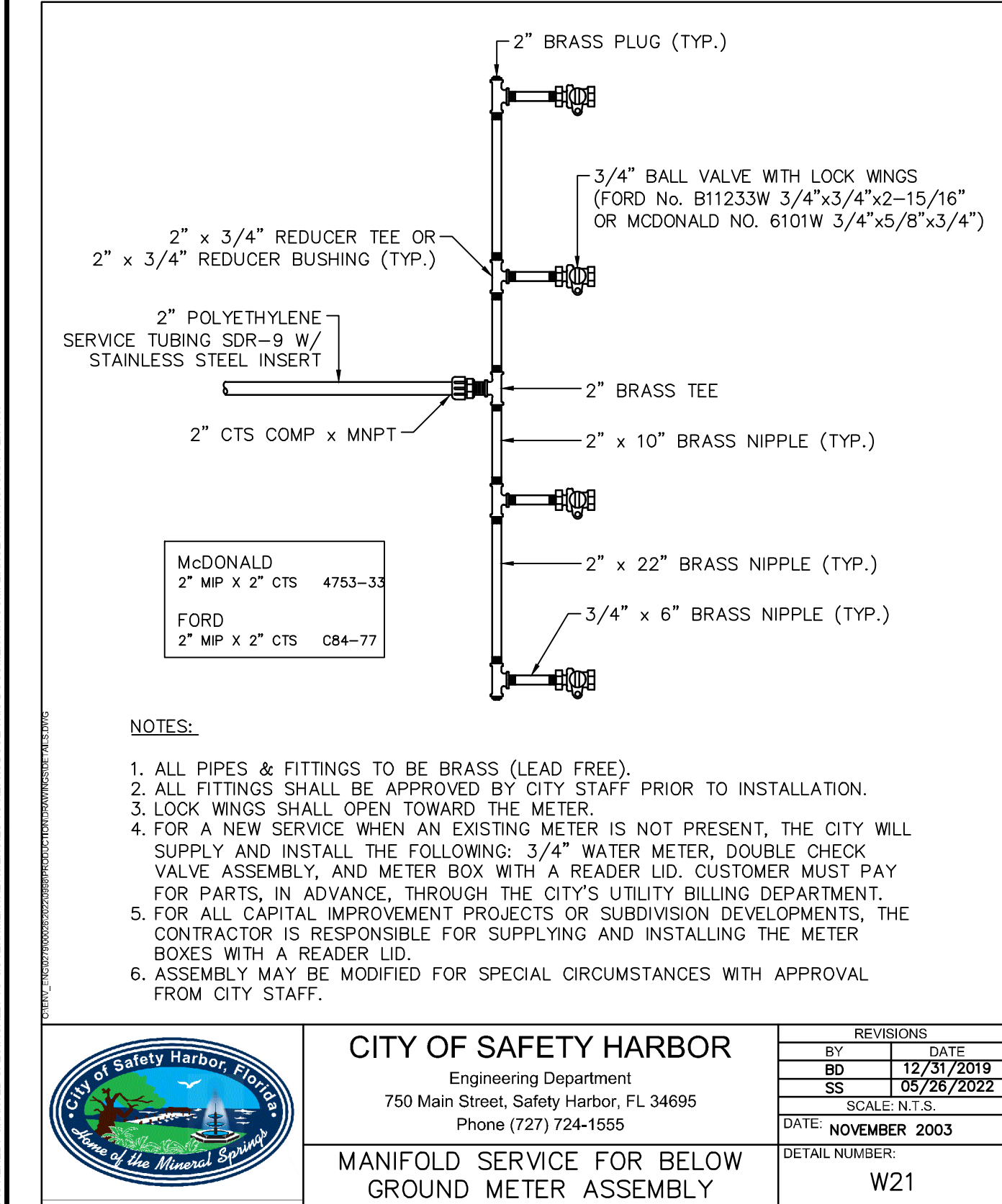
SEMINOLE PARK AND MAPLEWAY
WATER MAIN REPLACEMENT (UT0096)

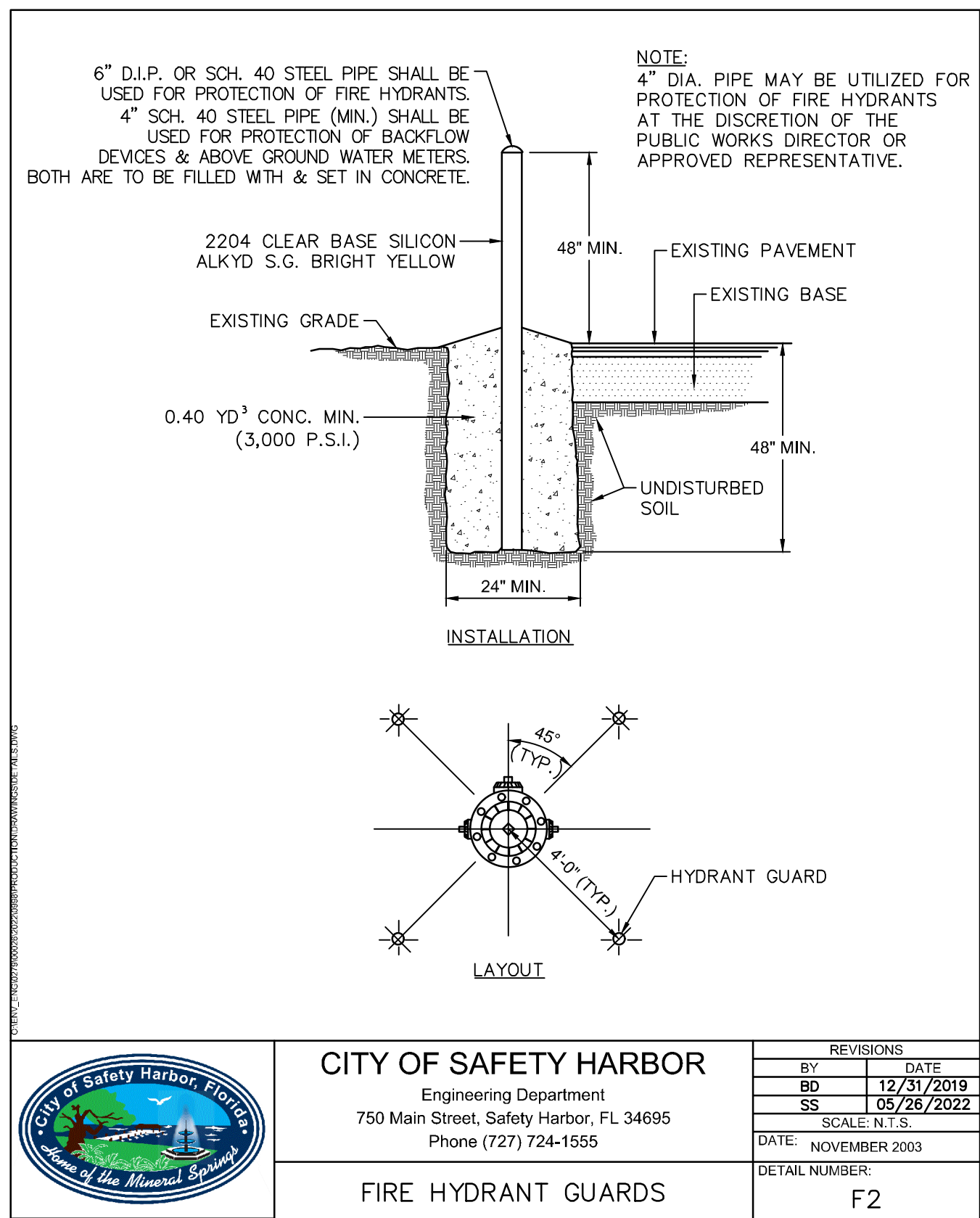
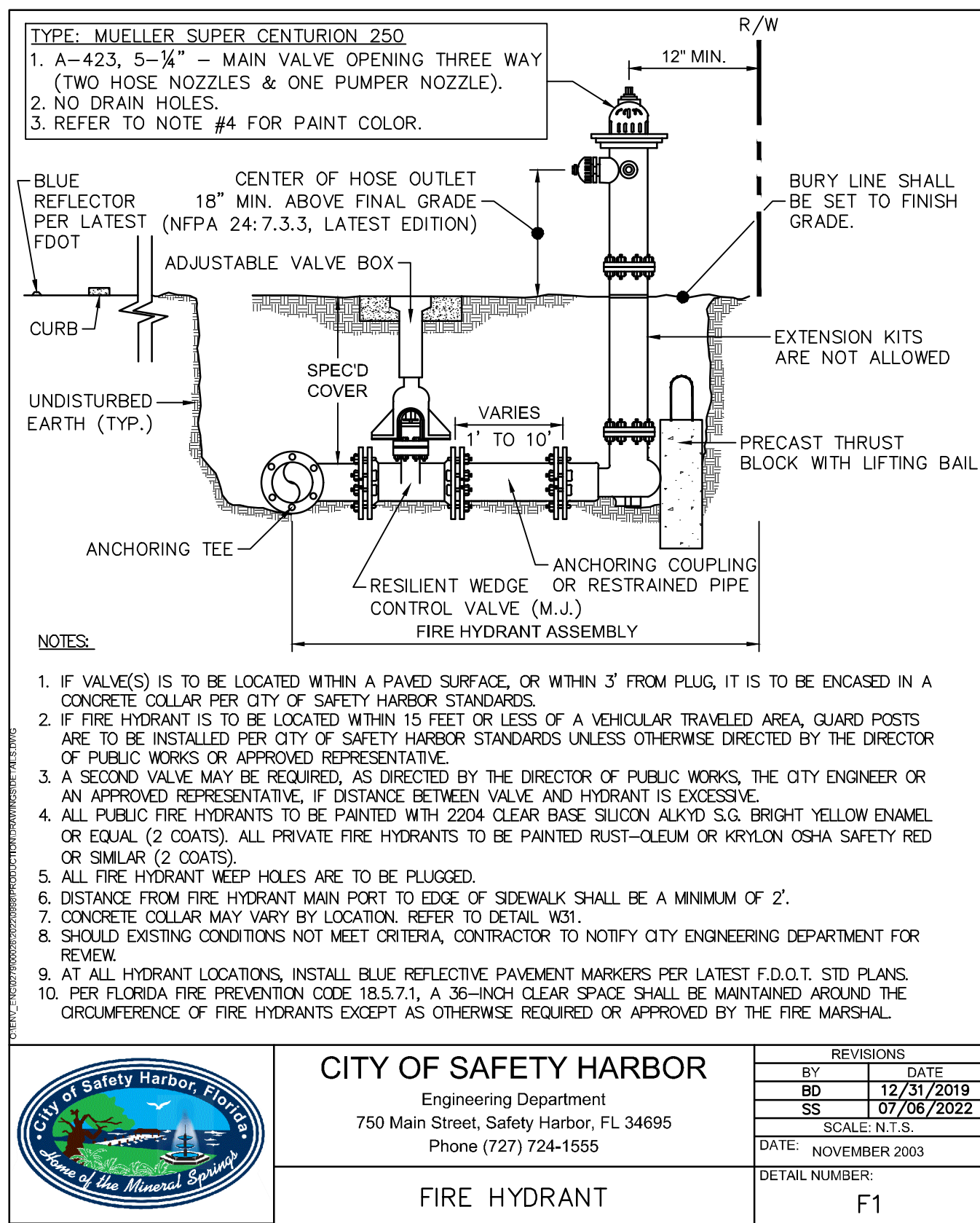
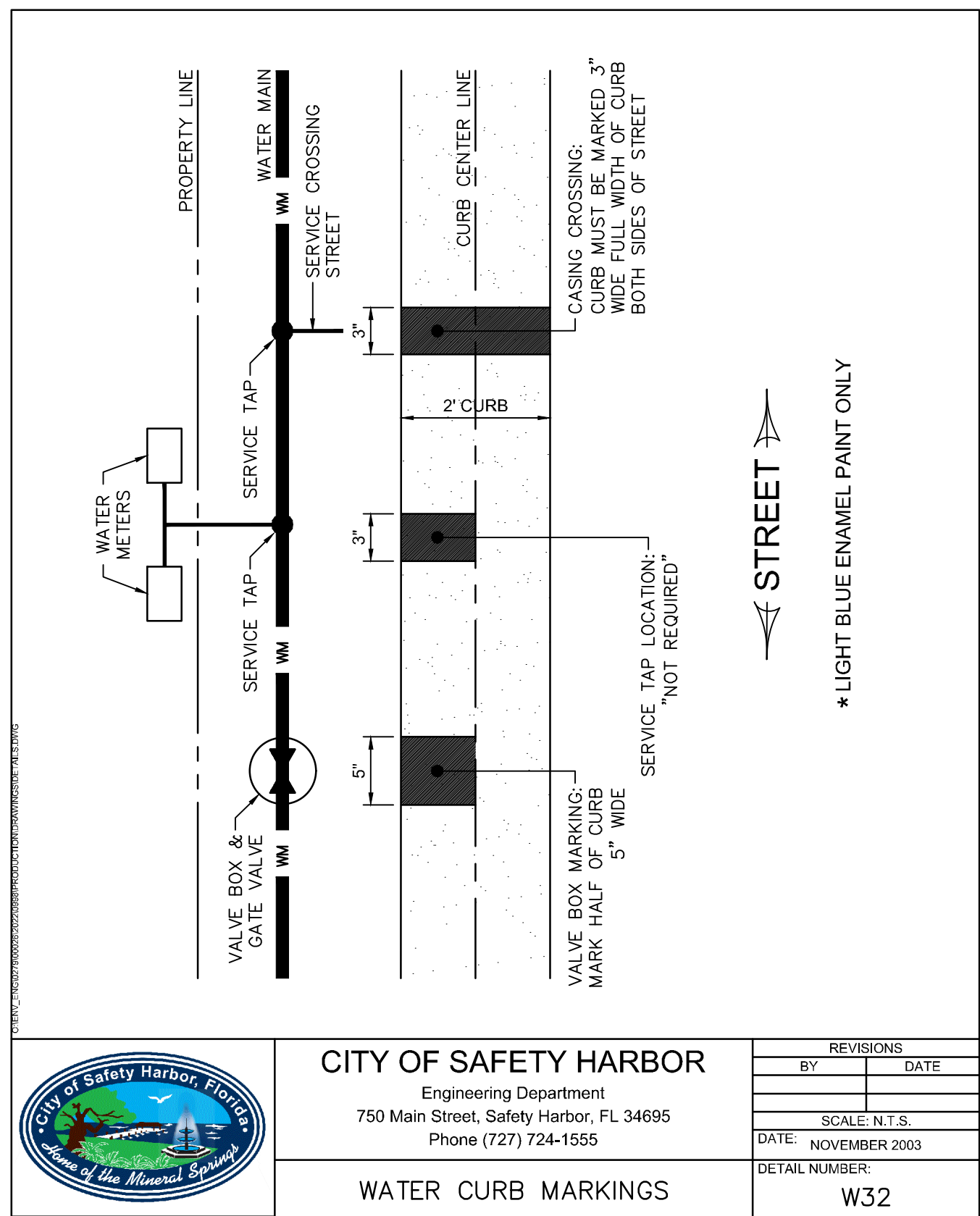
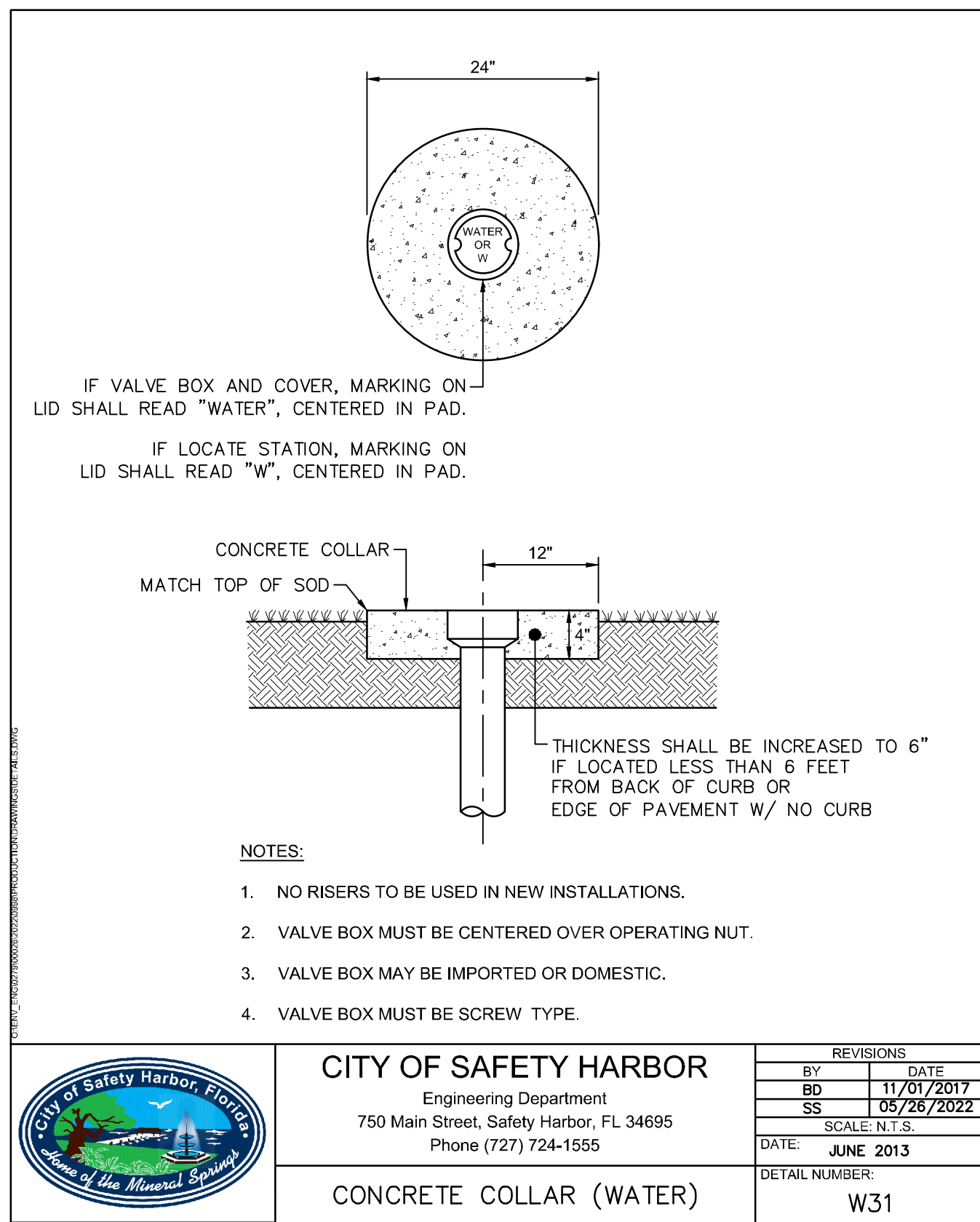
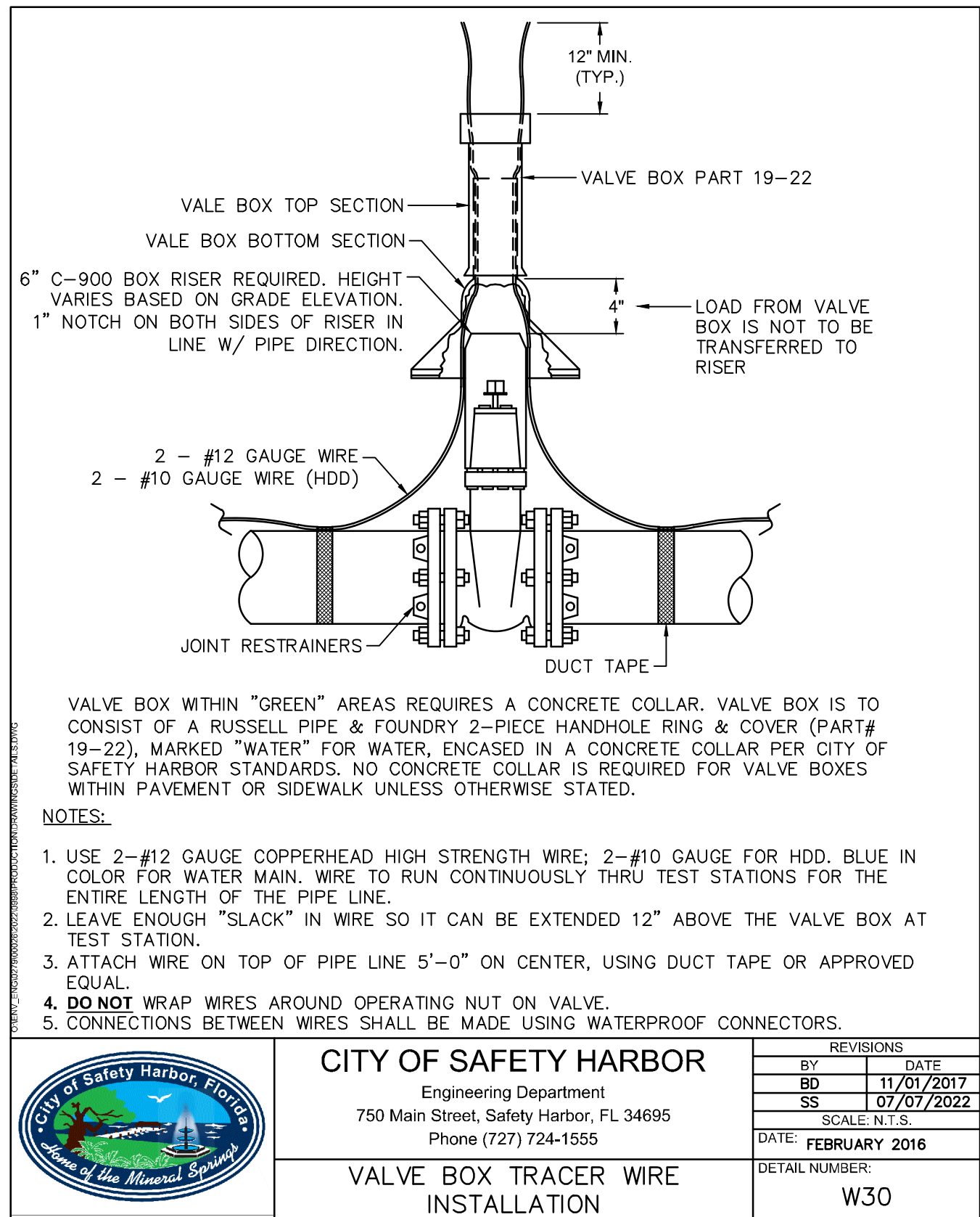
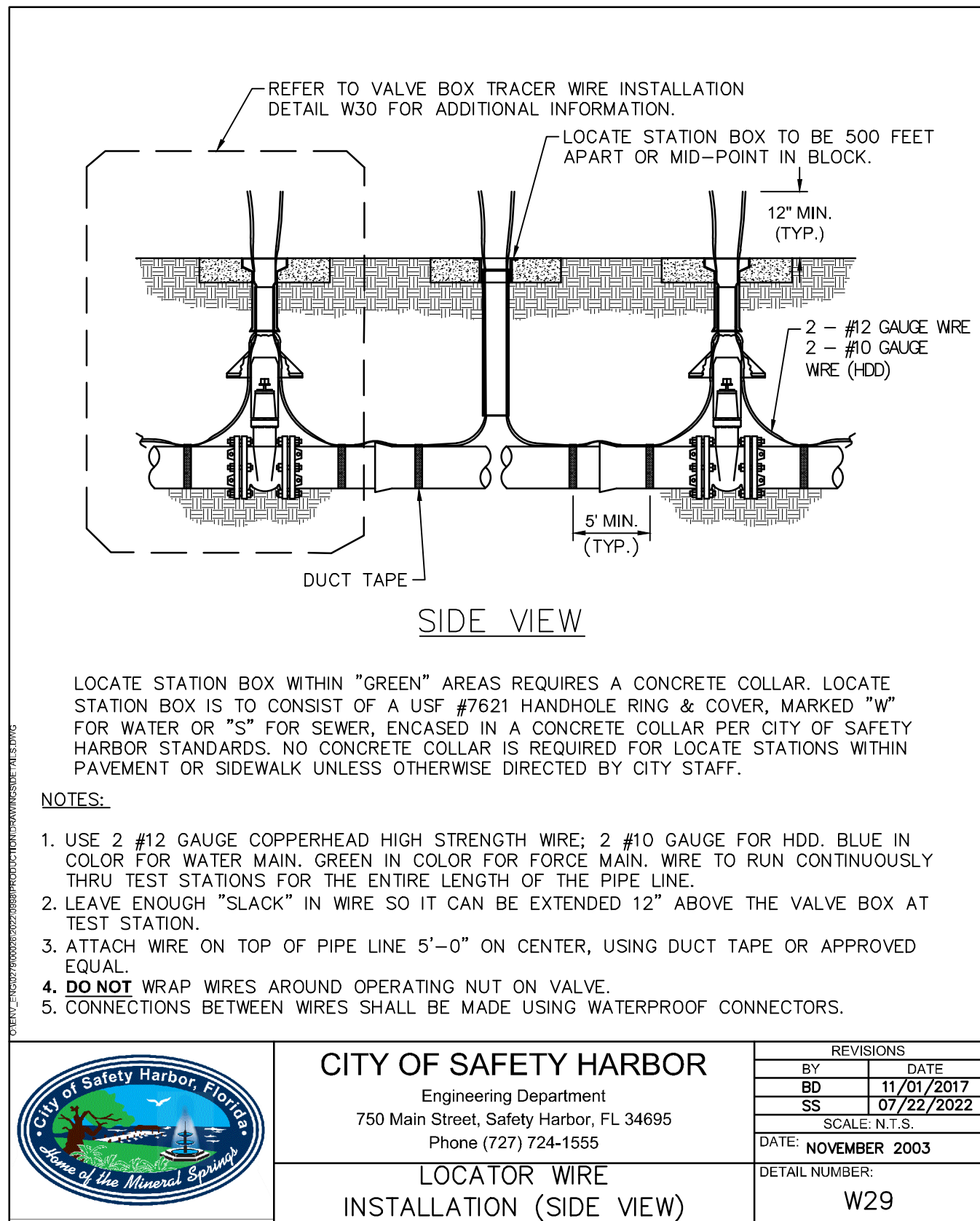
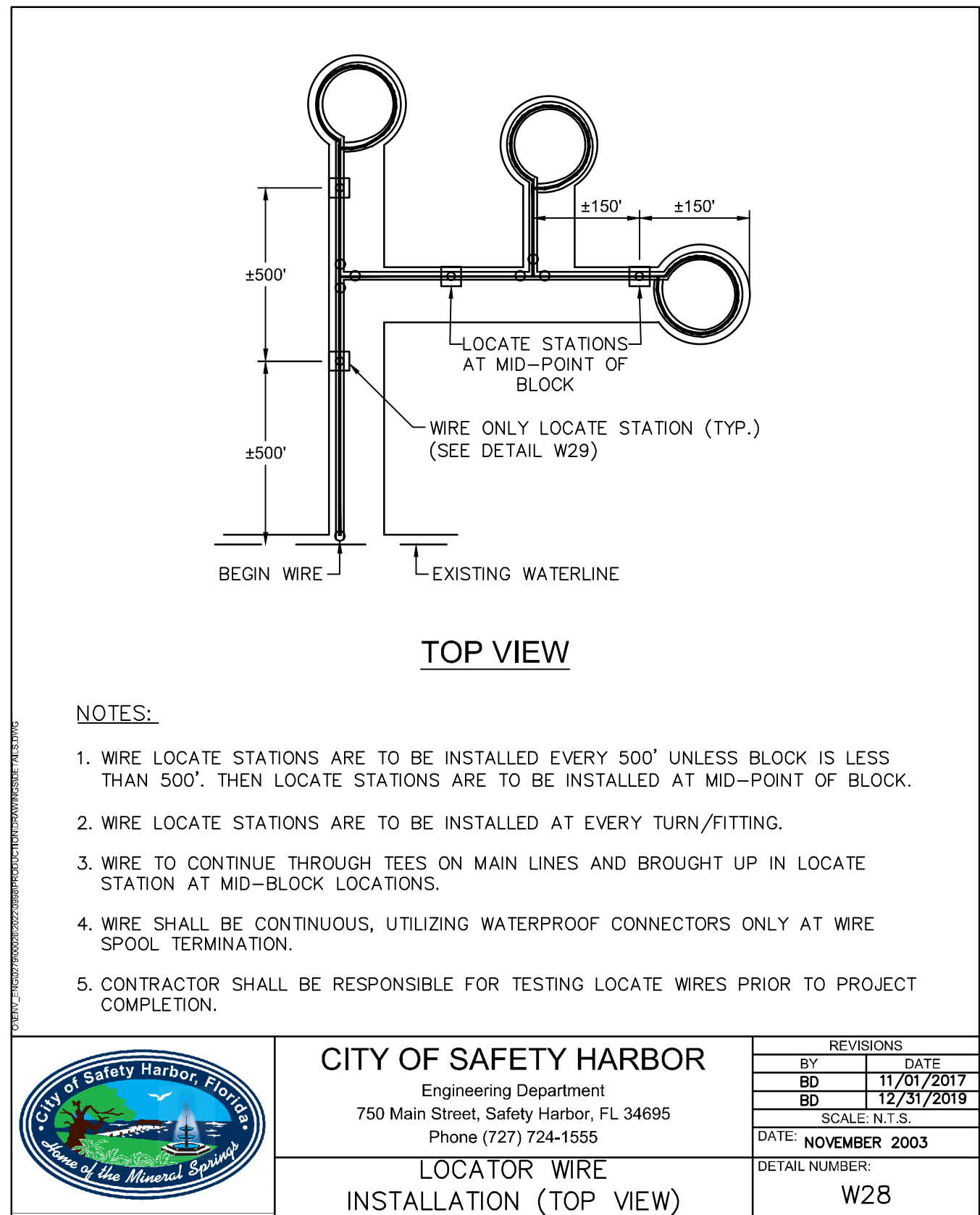
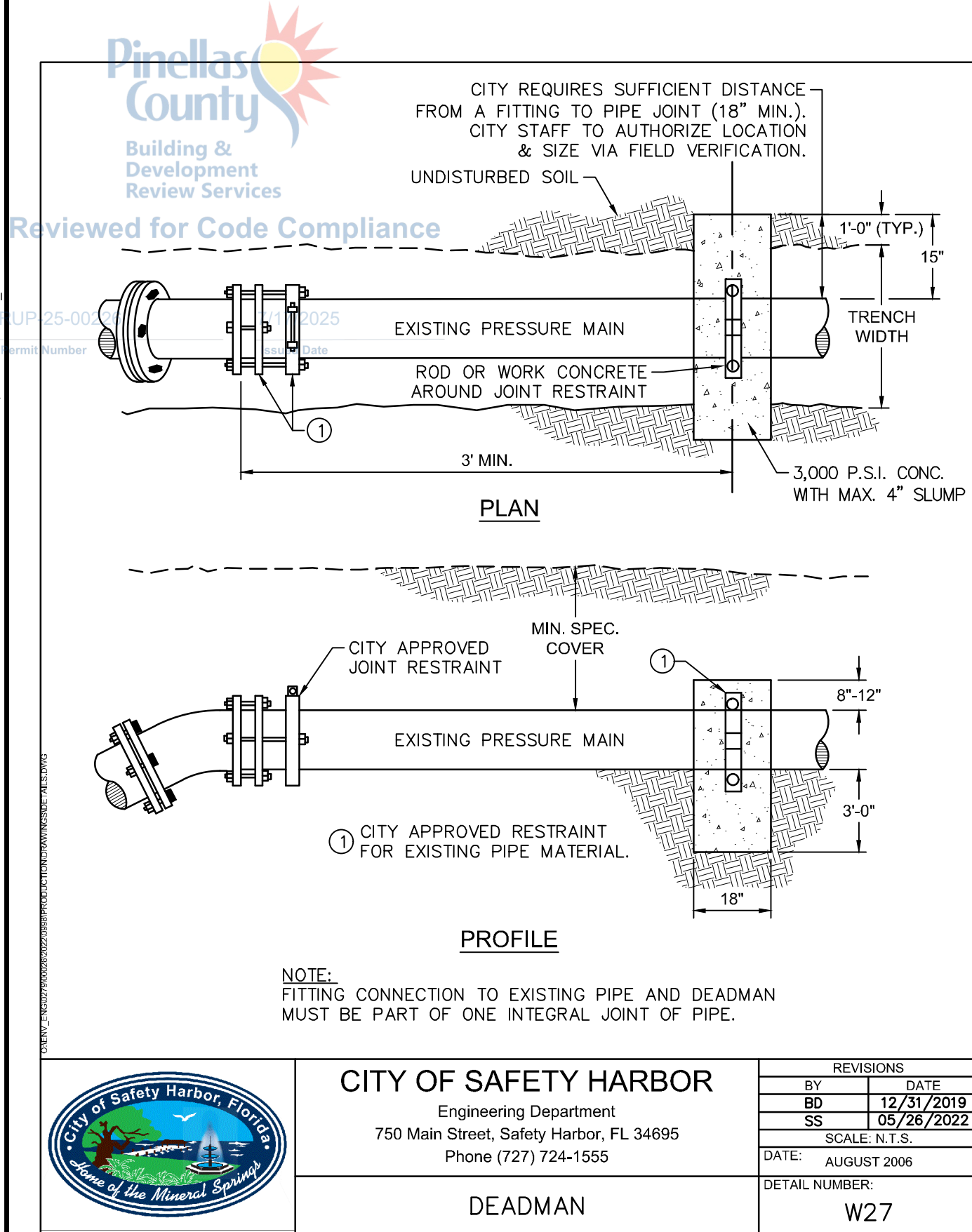
MISCELLANEOUS DETAILS (3)

JOB NO: 0279-00026-2022-0998
DATE: JUNE 2022

D1.03

BID DOCUMENTS
06/23/2022





BID DOCUMENTS
06/25/2025