PROSPECT ST. WATER MAIN REPLACEMENT

FOR

CITY OF CRESCENT CITY, FLORIDA

M & A Project No. 9318-64-1

FDEP Agreement No. LPA0500

SJRWMD Contract No. 38880



MICHELE MYERS
MAYOR

H. HARRY BANKS
VICE MAYOR

LISA KANE DeVITTO COMMISSIONER

WILLIAM "B.J." LAURIE COMMISSIONER

CYNTHIA BURTON COMMISSIONER

CHARLES RUDD
CITY MANAGER

ROBERT PICKENS
CITY ATTORNEY





MITTALER & ASSOCIATES, INC. CONSULTING ENGINEERS 580-1 Wells Road, Orange Park, Florida 32073 Tel. (904) 278-0030 Fax. (904) 278-0840 Florida RY No. 6569

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CONSTRUCTION SET

04/08/24

2. It shall be the sole responsibility of the Contractor to locate and avoid all utilities, structures, and above and below the ground surface. All damages resulting from the Contractor's failure to comply with this requirement shall be repaired at the Contractor's expense.

Contractor is responsible for supporting/protecting & maintaining all existing improvements (i.e., utilities, utility poles, structures, pavement, sidewalks, monitoring wells, foundations, etc.) which may be damaged/undermined or interrupted as a result of his operations. The Contractor shall immediately notify the Engineer of any such occurrences. The Contractor may be required to shore, sheet, brace, or support work to protect existing improvements. The Contractor shall maintain a minimum of 5 feet of undisturbed soil around all power poles. Where edge of utility trench would be closer than 5 feet from poles, Contractor shall be required to sheet around pole to maintain 5 feet of undisturbed soil. Where 5 feet of undisturbed soil cannot be maintained, Contractor shall make arrangements with power company to have poles held/braced. All costs associated with supporting/protecting existing improvements shall be borne by

4. All existing facilities (e.g., pipes, roadways, sidewalks, landscaping, structure, etc.) not indicated to be disturbed/restored which are disturbed/admaged as a result of the Contractor's operations shall be restored to a condition equal to or better than that which existed prior to construction, at Contractor's expense.

Horizontal and vertical controls are subject to adjustments in the field if necessary to avoid utility conflicts upon approval of the Engineer or his representative. Contractor shall not adjust location of pipe or other facilities (either vertically or horizontally) without approval of the Engineer or his representative.

Contractor shall provide constant slope between indicated pipe invert elevations, unless otherwise directed by

The Contractor shall at all times conduct his operations so as to interfere as little as possible with the existing facilities. The Contractor shall develop a program in cooperation with the Owner's operating staff which shall provide for the construction of an putting into service the proposed work in the most orderly manner possible. All work of connection with, cutting into and reconstruction of existing facilities shall be planned so as not to interfere with the existing facility.

Contractor shall apply for and obtain FDEP Generic Permit for Large and Small Construction Activities (CGP). The Contractor shall act as the Operator of all temporary construction phase pollution prevention improvements and be responsible for their design, selection, and implementation. Schematic erosion control sures are provided in these documents and shall be the basis of the Contractor's design

During any construction activity, including stabilization and revegetation of disturbed surfaces, the Contractor is responsible for the design, selection, permitting, implementation, and operation of all temporary construction phase erosion and sediment control measures required to retain on—site sediment and prevent violations of the State of Florida water quality standards. The Contractor shall use appropriate best management practices described in the State of Florida Erosion and Sediment Control Designer and Reviewer Manual, July 2013, with revisions. All turbidity/silt barriers must be in place downgradient from the construction zone prior to the start of any construction activity in general accordance with the plans and details provided in these documents. The barriers shall remain in place until all the disturbed areas have

Unsuitable materials exposed during construction under utility pipes or structures shall be removed and replaced with selected backfill, properly compacted, in accordance with specifications.

11. Where existing culverts must be removed to construct the project, the Contractor shall reinstall the culverts as soon as practical. If the culverts are not suitable for reuse, the Contractor shall, at his expense, extend/replace the culverts as required with similar materials to accommodate the work while maintaining existing invert elevations for all extended/replaced culverts. Provide all required excavation and fill necessary to extend/replace the culvert. The Contractor shall ensure, at his expense, temporary measures are provided to maintain existing drainage patterns.

12. The Contractor shall temporally relocate the postal mail boxes and clusters as required for the construction of the project and reinstall them in their original locations upon completion of the construction. All work associated with the mail boxes or clusters shall be in accordance with the requirements of the U.S. Post

13. Only that excavation that can be backfilled by the end of the work day will be excavated. No open trench will be allowed to remain after work ends for the day, unless approved by Engineer or governing authority.

14. All areas disturbed by construction shall be regraded and sodded.

15. Until final acceptance of the work by the Owner, it shall be under the charge and custody of the Contractor and he shall take every precaution against injury or damage to discuss the work by the action of the elements or from any other cause whatsoever, arising either from the execution or from the non-execution of the work. The Contractor shall rebuild, repair, restore and make good without any additional ation, all injury or damage to any portion of the work occasioned by any of the above causes a completion and acceptance.

16. The Contractor shall employ the services of a Florida licensed surveyor who shall be responsible for laying out the work and for establishing the following: project temporary benchmarks; elevation lines and grades; and right—of—way and easement limits for construction. Contractor shall also employ the services of a Florida licensed surveyor to obtain the required record drawing information.

17. The Contractor shall employ a land surveyor, registered in the State of Florida, to reference property and restore property corners and land markers which may be disturbed as a result of Contractor's operations

18. Project Benchmark: Project Benchmark: All elevations on these plans are relative to the North American (NAVD 88) based on National Geodetic Survey Benchmark PID Al6986 having an elevation of 2.99 feet. See Sheet No. 3 for location and description of Benchmark

19. Topographic information based on a survey by Mittauer & Associates, Inc., performed on 09/12/22, job no. 9318_61_1

20. Horizontal control for features on the plans are relative to the NAD83 Florida State Planes, East Zone, US

B. GENERAL WATER SYSTEM NOTES

All water line work shall be in accordance with FAC 62-555, Permitting and Construction of Public Water Systems. All materials that come in contact with drinking water shall be in conformance with ANSI/NSF International Standard 61 and shall be installed in accordance with applicable AWWA Standards and/or

The Contractor shall coordinate the construction of the water facilities with all other construction. The commencing work. It shall be the Contractor's responsibility to notify the Owner and the Engineer of any discrepancies.

3. Water lines are designed to finished grade and shall be protected until finished work is complete

All workmanship and materials associated with water mains shall conform to the latest standards and specifications of the local utility company.

Refer to specifications and FDEP rules for separation requirements between potable water mains and

All existing water main valves which are made inactive as the result of this project shall have their valve boxes removed and the disturbed roadway or grassed area restored. Valve boxes which are in paved areas shall have the cover removed and the section shall be filled with asphalt or flowable fill with the surface painted to match the surrounding povement.

7. The location of water services on the plans are approximate. Actual location of services shall be determined in the field by location of existing water lines and as directed by the Engineer and the

No connection to the existing potable water system shall be allowed until all proposed water lines have No connection to the existing potable water system shall be allowed until all proposed water lines have been pressure tested, disinfected and cleared for service. Pressure testing shall be in accordance with AWWA C600 for DI mains or AWWA C605 for PVC mains. All water lines shall be disinfected in accordance with AWWA C651 and DEP requirements. As a minimum, successful bacteriological test shall be performed on two consecutive days at the point of tie—in, at junctions, along the water line route at 1,200' spacing, and at the terminal end of the line extension.

Existing water services and water meters will be abandoned. The contractor shall coordinate with the to schedule the switchover. The existing meter and meter box shall be removed and disposed of by the Contractor. The replacement water service will include all new components (service saddle. or by the contactor. The replacement water service will include all new components (service saddle, valves, coupling, water meter, meter box, etc.) to the point of connection with the customer's existing plumbing. The Contractor is responsible for locating and connecting all existing water services to the new main with replacement services.

C. PAVEMENT STRIPING AND SIGNAGE NOTES

Unless otherwise noted on the drawings, all existing signs removed by the construction activity, shall be restored to their original position prior to completion of the project. Any signs damaged during construction shall be replaced at the Contractor's expense.

All signs and pavement markings shall conform to the Manual on Uniform Traffic Control Devices (MUTCD) and the Florida Department of Transportation Roadway and Traffic Design Standards, latest

3. Sign assembly locations, shown on the plans, which are in conflict with lighting, utilities etc. may be adjusted slightly as directed by the Engineer

Existing signs to be permanently removed shall become the property of the Contractor and disposed of se unless claimed by Owner or governing authorit

All pavement striping within Right-of-Way or easements, as well as all stop bars, crosswalks, messa and directional arrows (regardless of location) shall be lead free, thermoplastic pavement markings (FDOT spec, section 711). All other straining shall be reflective point (FDOT and Control of the straining shall be spec. section 711). All other striping shall be reflective paint (FDOT spec. section 710) unless noted otherwise on the drawings or in the project specifications

aluminum column (post) & connection design shall adhere to FDOT Index 700—010 and the following

a. mounting height = 8' maximum

b. sign(s) area = 25 sq. ft. r c. sign(s) width: single = 36"

dual = 48" maximum

d. driven post only

7. All posts shall be installed plumb.

8. All hardware shall be stainless steel (ASTM F593, ASTM F594, Alloy Group 2, Condition A, CW2 or SH4).

9. All signs furnished under this contract shall be permanently affixed with the date they were fabricated.

D. MAINTENANCE OF TRAFFIC NOTES

Contractor shall provide all Maintenance of Traffic (MOT) plans and/or schematics as required per the MUTCD, FDOT, and/or local jurisdiction to obtain R/W permit(s). Standard Index Drawings are provided for reference purposes only. Final MOT plans are the Contractor's responsibility per their construction approval and shall be implemented at their expense.

Contractor shall maintain vehicular access to all residences at the end of each workday. No roadway/driveway shall be blocked to vehicular traffic for more than a two (2) hour period

Contractor shall maintain single lane access, at a minimum, at all times. Contractor shall provide detours and/or temporary roadway as necessary. Contractor shall provide all necessary flagging.

4. Contractor shall confine his active work area to no more than 100 feet at a time

5. The roadway shall be restored to at least a limerock surface before it is reopened to traffic, and before

6. Dust control measures shall be implemented on all unpaved surfaces until paved.

E. TREE PROTECTION

1. The design intent is to preserve all existing trees within the project corridor. See Technical Specifications 02115 for requirements. No tree shall be removed or trimmed without the City Manager's approval

EGEND

DESCRIPTION PROPOSED EXISTING ARREVIATION ACRYLONITRILE BUTADIENE STYRENE --8"SAN-- SANITARY SEWER ABOVE ASBESTOS CEMENT PIPE ABOVE FINISH FLOOR (REF. ELEV.) ABOVE FINISH GRADE (REF. ELEV.) --4"FM-- SANITARY FORCE MAIN -->>- VALVE \longrightarrow --6"w-- WATER MAIN (CONSTRUCTED) --6"w-- WATER MAIN (DIRECTIONAL DRILL) \$ → FIRE HYDRANT WATER SERVICE (BASE) WM BURIED TELEPHONE—CABLE
BALL, VALVE
CONDUIT
CABLE TELEVISION
CAST IRON PIPE, CAST—IN—PLACE
CONTERLINE
FENCE
CLEAR OR CLEARANCE
CONCRETE MONUMENT
CORRUGATED WETAL PIPE
CONCRETE MOSONRY UNIT
CORNER WATER SERVICE (ADDITIVE ALTERNATE) \Box TEMPORARY SAMPLE POINT TELEPHONE PEDESTAL TP ⊠ MB MAIL BOX 18<u>"RCP</u> = 18 RCP STORM DRAIN PIPE CONTINUOUS
COORDINATE
COUPLING
CHLORINATED POLYVINYL CHLORIDE □ OR O ■== STORM DRAIN STRUCTURE GRADE CONTOURS **—84.0**— CUBIC YARD
CENTER TO CENTER
DOUBLE
DUCTILE IRON
DIAMETER 63.00 SPOT FLEVATIONS -PP---- POWER POLE/ W/ANCHOR DIMENSION
DUCTILE IRON PIPE
DEPARTMENT OF TRANSPORTATION
DRAWING © 2º UTILITY POLE, LIGHT POLE -- BT -- BURIED TELEPHONE EF EL, ELEV ELEC EP ERCP ESMT EW EXP EX, EXIST EXT ELEVATION
ELECTRIC(AL)
EDGE OF PAVEMENT
ELLIPTICAL REINFORCED CONCRETE PIPE
EASEMENT --FO -- FIBER OPTIC CABLE EXPANSION
EXISTING
EXTERIOR
FLORIDA DEPARTMENT OF TRANSPORTATION
FIRE HYDRANT -- OHE-- OVERHEAD ELECTRIC FIGURE
FINISH(ED)
FINISH GRADE
FLANGED JOINT
FLANGE(D)
FORCE MAIN
FIGERGLASS REINFORCED PLASTIC ---SWALE--- SWALE ---- RIGHT-OF-WAY MAIN LON(S) VANIZED VANIZED IRON PIPE ASPHALT PAVEMENT OR IMPROVEMENT CONCRETE PAVEMENT OR SIDEWALK GRAUPANIZED STEEL
GALVANIZED STEEL PIPE
GATE VALVE
HOSE BIBB
HIGH—DENSITY POLYETHYLENE LIMITS OF MILLING AND OVERLAY STABILIZED ROADWAY OR DRIVEWAY LIMITS OF REMOVAL OVERLAND FLOW DIRECTION TEMPORARY SILT FENCE .NVEK.I IRON PIPE INTERNATIONAL PIPE STANDARD; IRON PIPE SIZE LIMITS OF WOODS **

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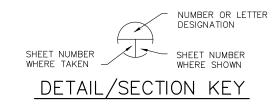
TREE TO BE REMOVED

TEMPORARY TREE BARRICADE

MAIN MAX MES MEC MFR MGD MH MIN MISO MJ MON MPH MPT MTD MANUAL(LY)
MAXIMUM
MITERED END SECTION
MECHANICAL MANUFACTURE
MILLION GALLON(S)
MILLION GALLONS PER DA' MANHOLE MINIMUM; MINUTE(S) MISCELLANEOUS MECHANICAL JOINT MONUMENT MILES PER HOUR MALE PIPE THREAD MOUNTED NORTHEAST NOT IN CONTRACT; NOT INCLUDED NOT APPLICABLE OVERALL DIMENSION UTSIDE DIAMETER UTSIDE FACE OUTSIDE FACE
OVER HEAD
OVER HEAD ELECTRIC
PAVEMENT
POINT OF CURVE
POINT OF INTERSECTION
BLATE OH OHE PAVT, PVMT PC PI PLATE
POUNDS PER LINEAR FOOT
POINT OF REGINNING POINT OF BEGINNING POWER POLE PARTS PER MILLION POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POINT OF TANGENCY POLYVINIY, CHLORIDE POTABLE WATER LINE ADIUS REINFORCED CONCRETE PIPE REDUCER REINFORCING STEEL BARS REFERENCE REINFORCE(D)(ING)(MENT) REQUIRED RAILROAD RIGHT-OF-WAY SEWER; SOUTH SANITARY SEWER STATE ROAD SANITARY SEWER, STAINLESS STEEL TOP OF BANN
TOE OF SLOPE
TOE OF SLOPE; TOP OF STEEL
TELEPHONE POLE, TOP OF PAVEMENT TELEPHONE POLE, TOP
TYPICAL
TOP AND BOTTOM
UNDERGROUND
UNDERGROUND ELECTRIC
VITRIFIED CLAY PIPE WEST

0 N S

ABBREVIATI



PROJECT CONTACTS

TYPE	ORGANIZATION	ADDRESS	TELEPHONE	CONTACT PERSON
LINE LOCATIONS	SUNSHINE STATE ONE—CALL OF FLORIDA, INC.	7797 N. UNIVERSITY DR., SUITE 204 FT. LAUDERDALE, FL. 33321	(800) 432-4770	CALL 48 HRS BEFORE DIGGING
INTERNET/TELEPHONE	UNITI FIBER, LLC.	200 CUMBERLAND PARK DR. ST. AUGUSTINE, FL 32095	(904) 718-8152	BOB MENSCHING
ELECTRIC	FPL	2900 CATHERINE ST. PALATKA, FL 32177	(561) 401-6186	JAMIE PURNELL
INTERNET/TELEPHONE	WINDSTREAM FLORIDA, INC.	206 WHITE AVE. S.E. ALACHUA, FL 32064	(386) 462-6530	GARY CARY
CABLE T.V.	COMCAST	5934 RICHARD ST JACKSONVILLE, FL 32216	(904) 738-0685	LARRY PAYNE
GAS	CITY OF CRESCENT CITY	3 NORTH SUMMIT STREET CRESCENT CITY, FL 32112	(386) 698-2525 EXT. 223	JOHN TURNEY OPERATIONS/DISTRIBUTION
WATER & SEWER	CITY OF CRESCENT CITY	3 NORTH SUMMIT STREET CRESCENT CITY, FL 32112	(386) 698-2525	KEITH HARRIS PUBLIC WORKS DIRECTOR
OWNER	CITY OF CRESCENT CITY	3 NORTH SUMMIT STREET CRESCENT CITY, FL 32112	(386) 698-2525	CHARLES RUDD CITY MANAGER
DESIGN ENGINEER	MITTAUER & ASSOCIATES, INC.	580-1 WELLS ROAD ORANGE PARK, FL 32073	(904) 278-0030	JARROD P. PETROHOVICH, P.E.

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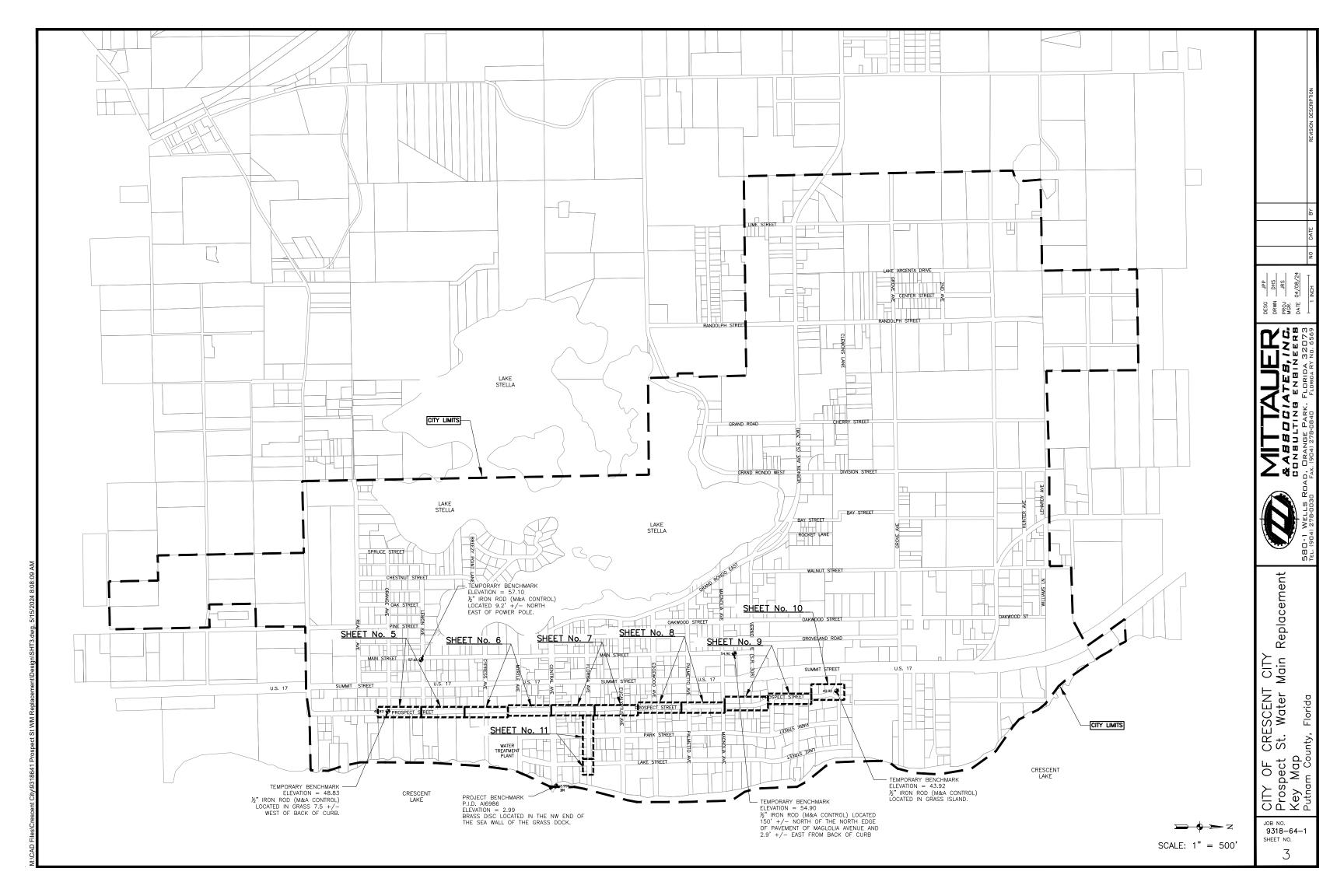
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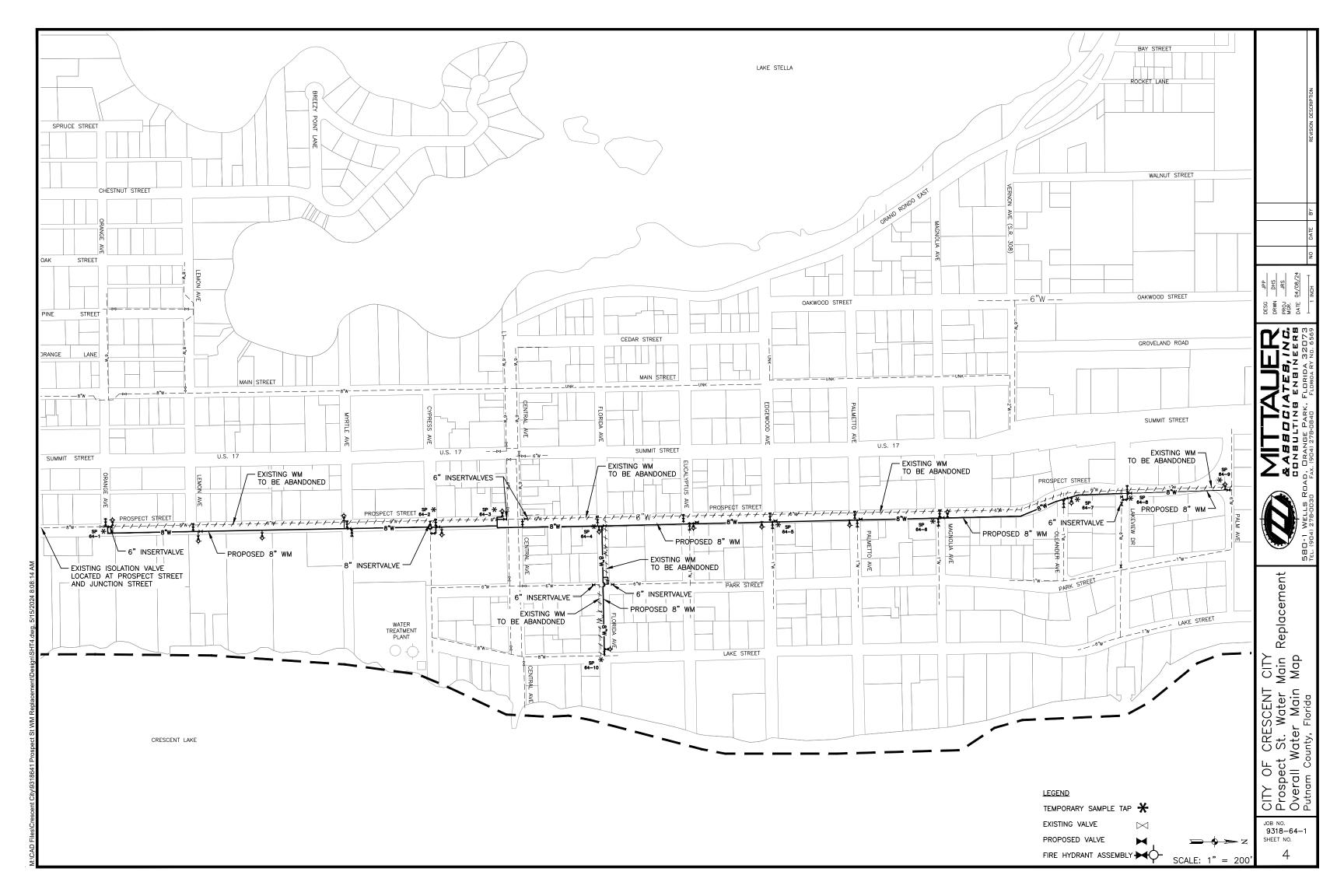
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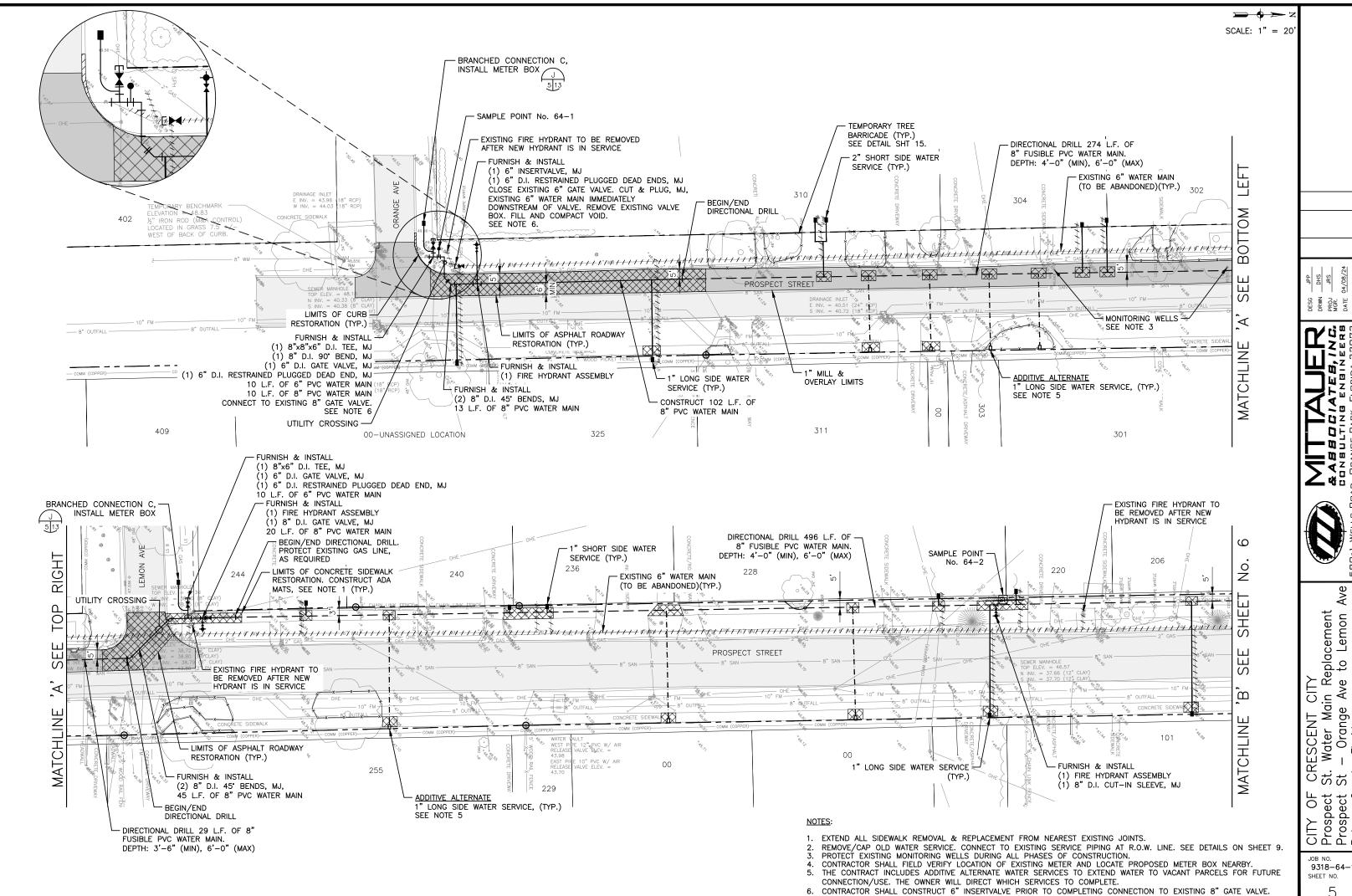
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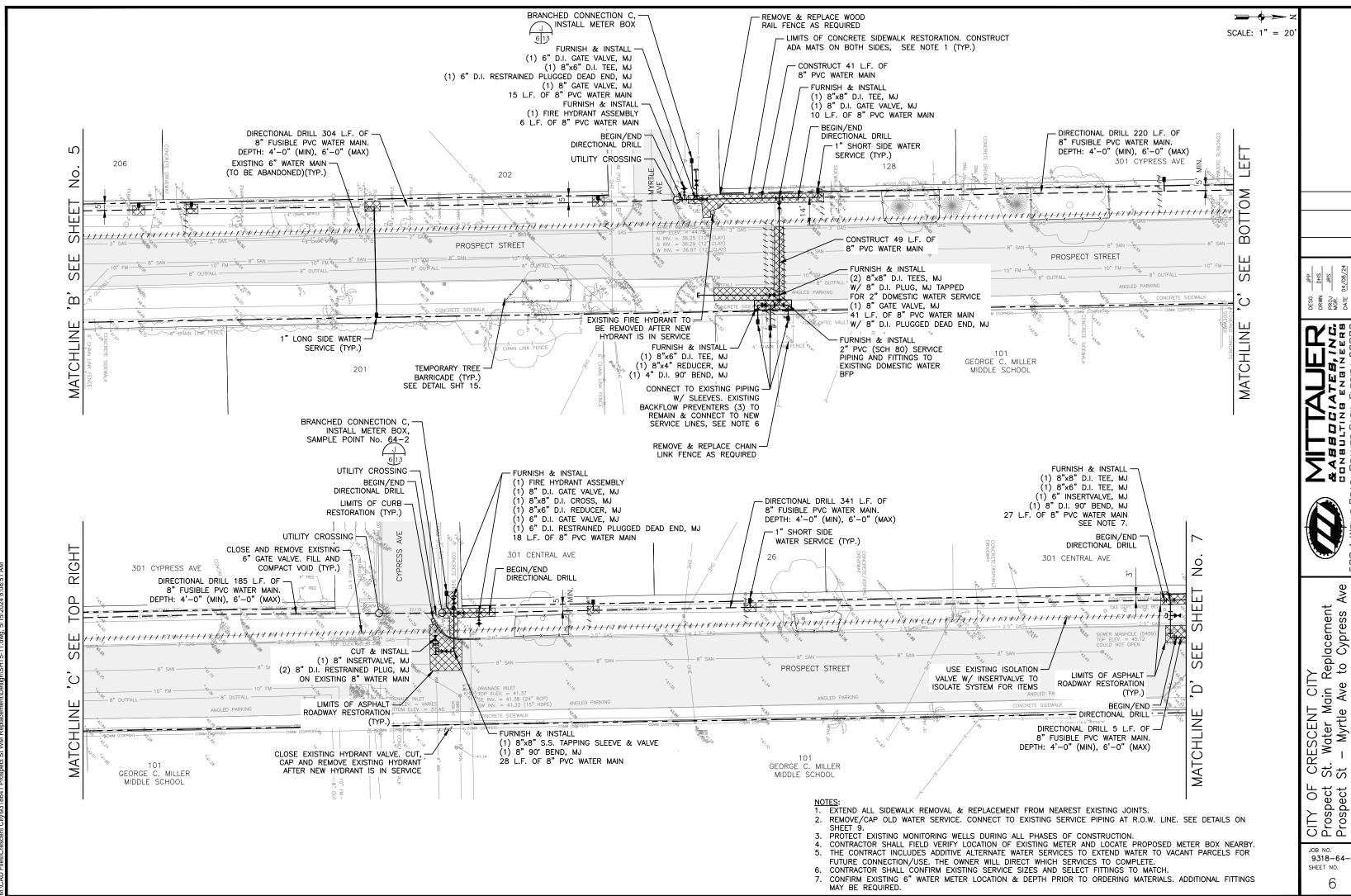


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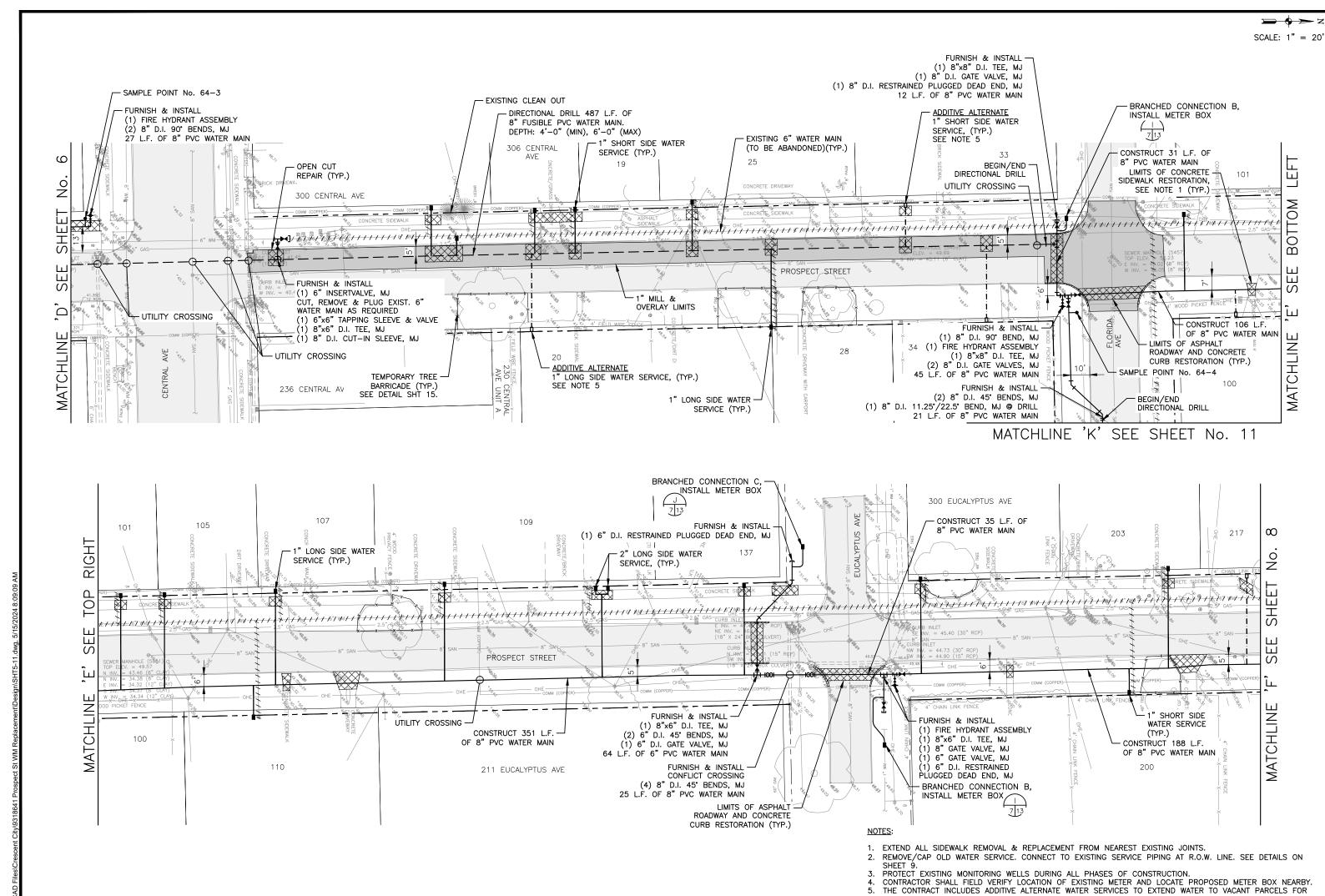
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- Myrtle Ave

y, Florida CRF St. CITY OF
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SHEET NO. 6



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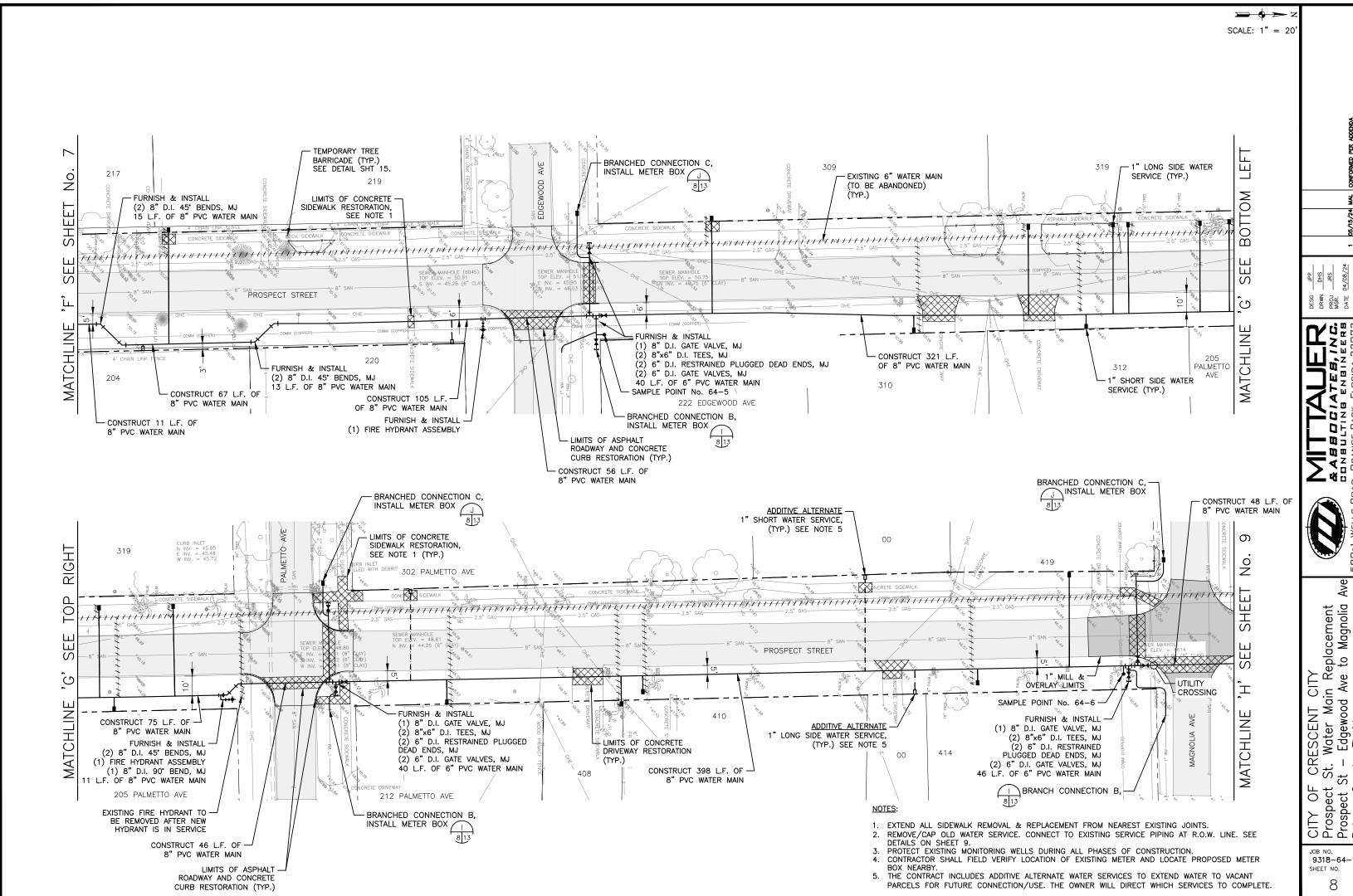
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FUTURE CONNECTION/USE. THE OWNER WILL DIRECT WHICH SERVICES TO COMPLETE.

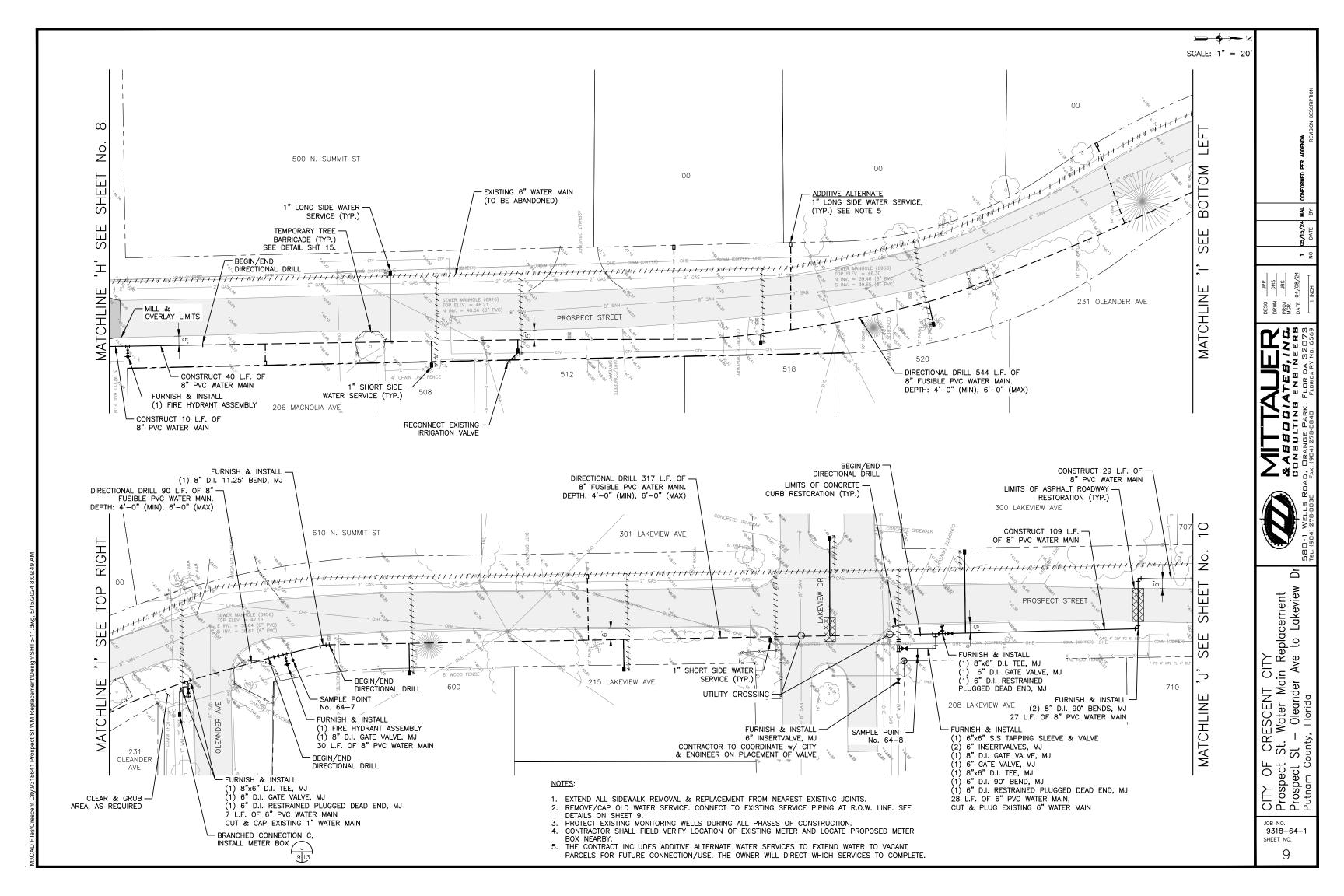


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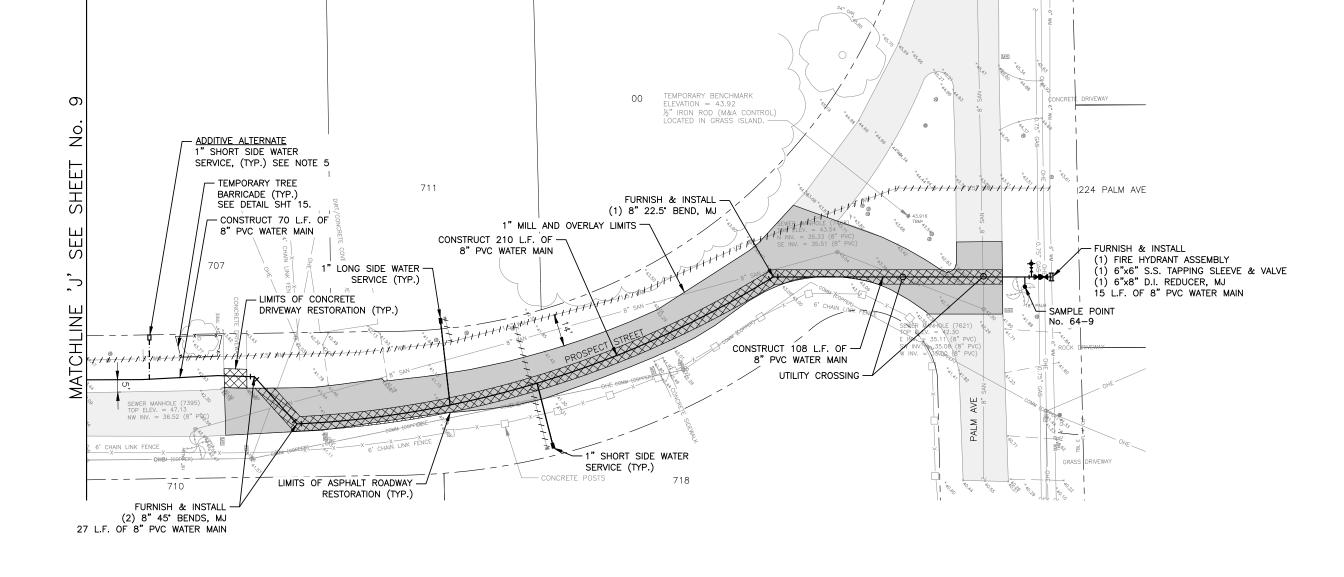
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SHEET NO.







- 1. EXTEND ALL SIDEWALK REMOVAL & REPLACEMENT FROM NEAREST EXISTING JOINTS.

- 2. REMOVE/CAP OLD WATER SERVICE. CONNECT TO EXISTING SERVICE PIPING AT R.O.W. LINE. SEE DETAILS ON SHEET 9.

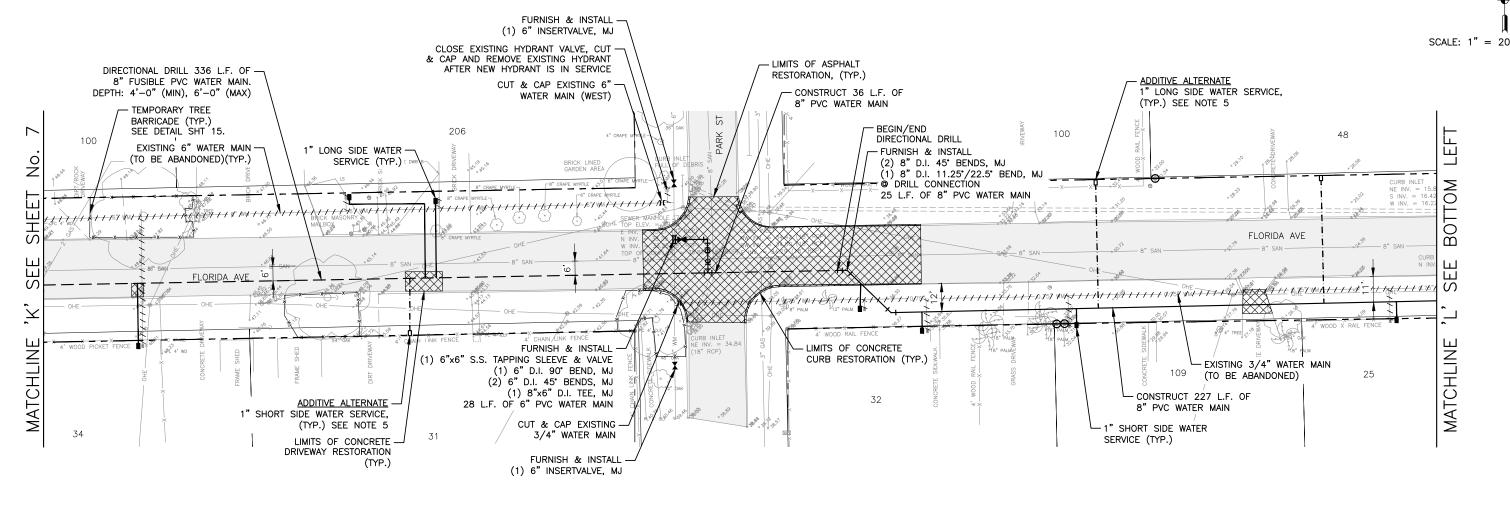
 3. PROTECT EXISTING MONITORING WELLS DURING ALL PHASES OF CONSTRUCTION.

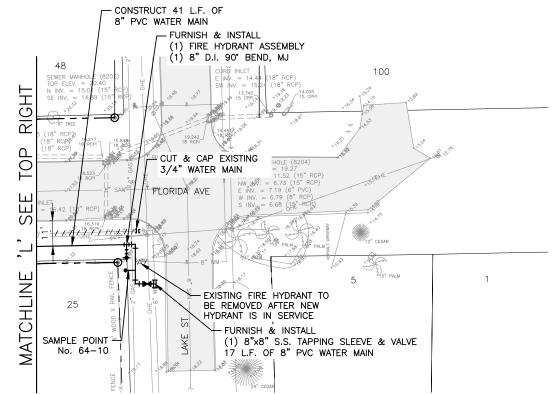
 4. CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISTING METER AND LOCATE PROPOSED METER BOX NEARBY.

 5. THE CONTRACT. MOLLIDES ADDITIVE ALTERNATE WATER SERVICES TO EXTEND WATER TO MAKENT.
- 5. THE CONTRACT INCLUDES ADDITIVE ALTERNATE WATER SERVICES TO EXTEND WATER TO VACANT PARCELS FOR FUTURE CONNECTION/USE. THE OWNER WILL DIRECT WHICH SERVICES TO COMPLETE.

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NOTES:

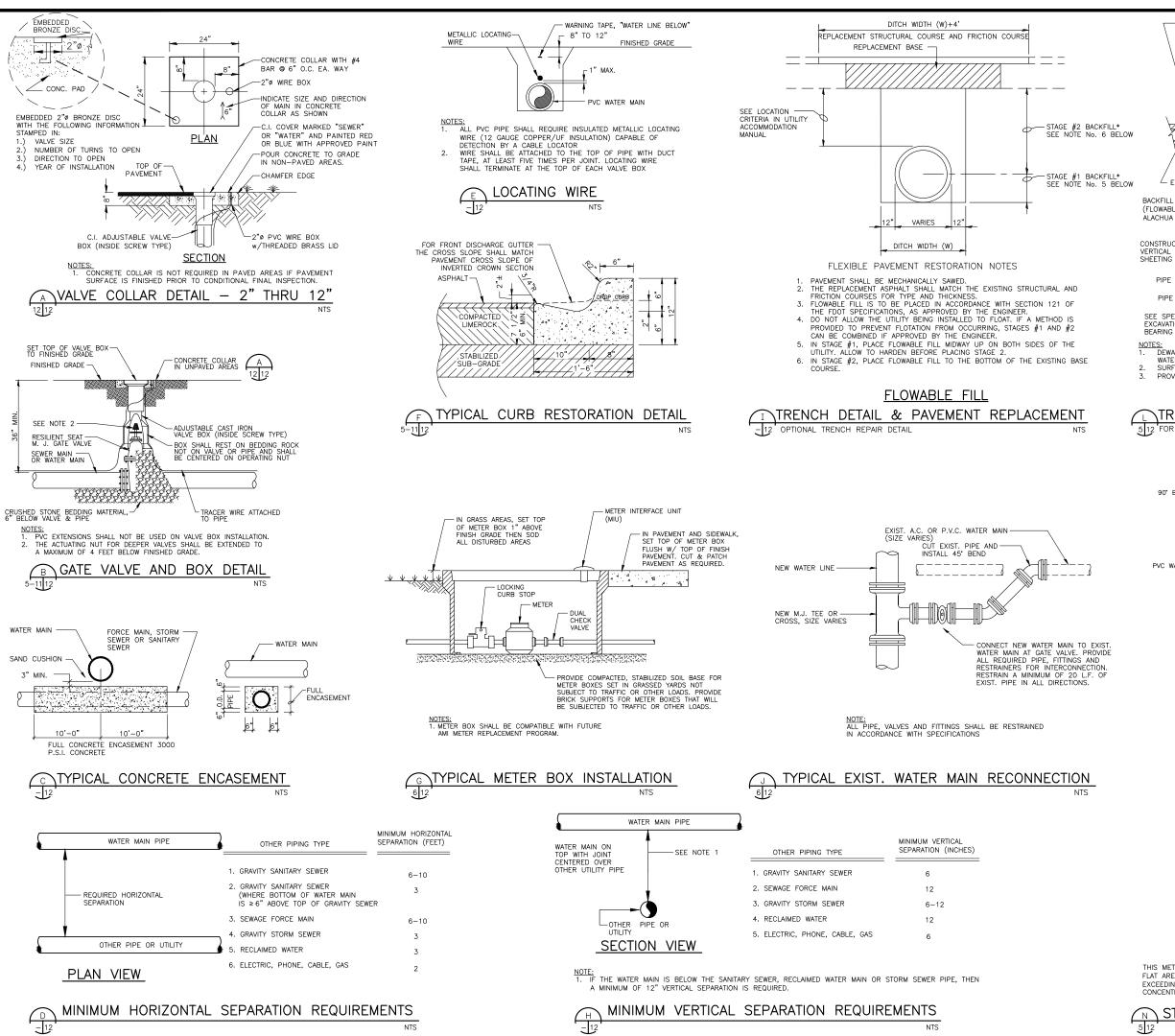
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- THE CONTRACT INCLUDES ADDITIVE ALTERNATE WATER SERVICES TO EXTEND WATER TO VACANT PARCELS FOR FUTURE CONNECTION/USE. THE OWNER WILL DIRECT WHICH SERVICES TO COMPLETE.

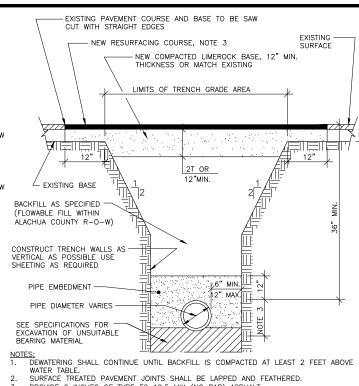
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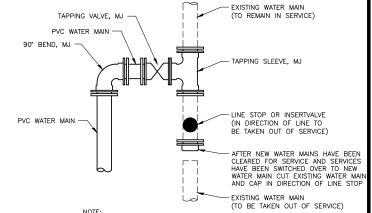
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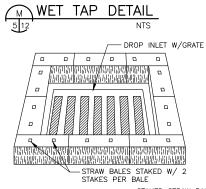


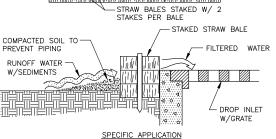
PROVIDE 2 INCHES OF TYPE FC 12.5 MIX (NO RAP) ASPHALT.

TRENCH DETAIL & PAVEMENT REPLACEMENT 5 12 FOR ROADS IN CITY RIGHT-OF-WAY



NOTE: SEE PLAN SHEETS FOR LINE AND FITTING SIZES





THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPES NO GREATER THAN 5%) WHERE SHEET OR OVERLAND FLOWS (NOT EXCEEDING 0.5 CFS) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

STRAW BALE DROP INLET SEDIMENT FILTER

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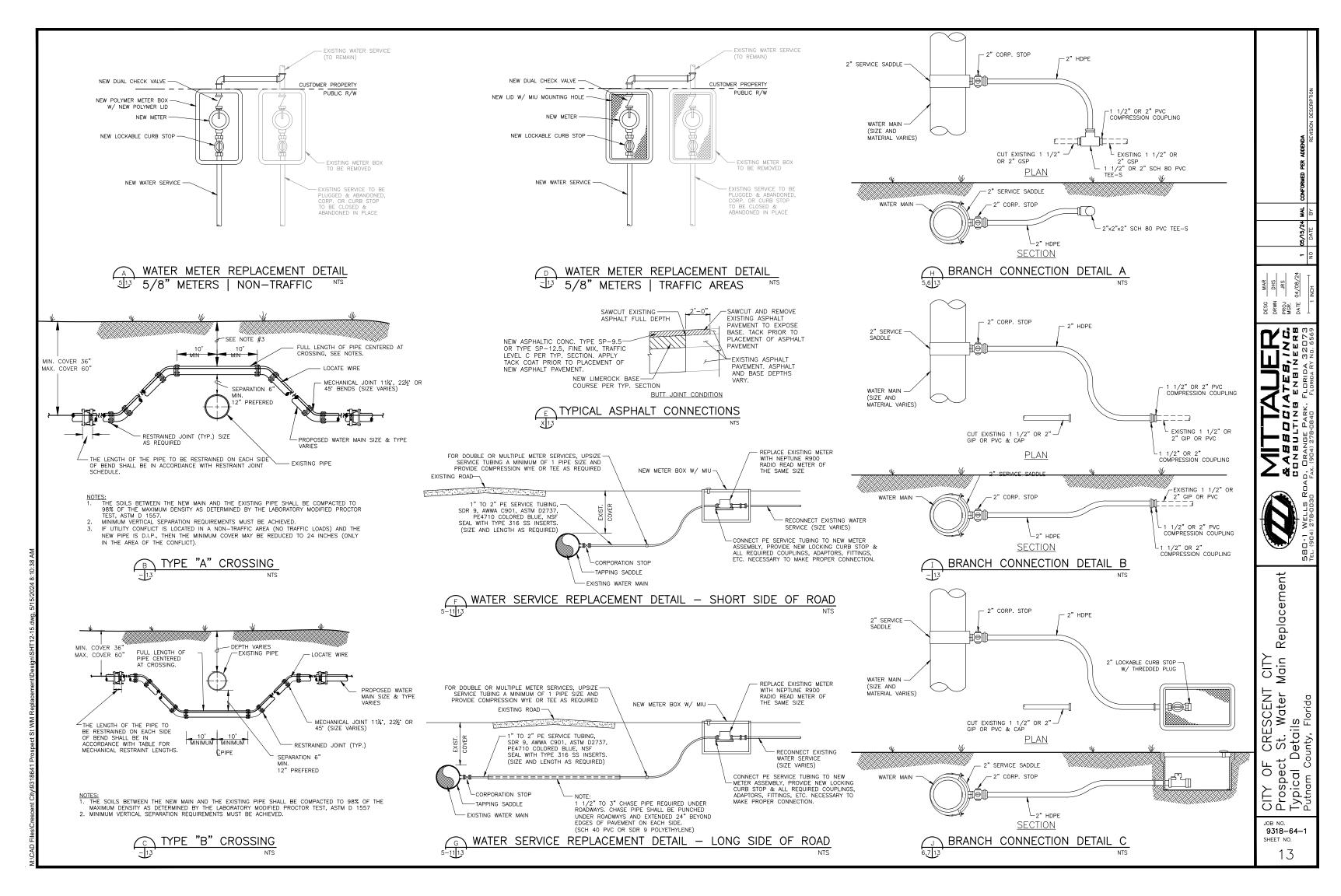
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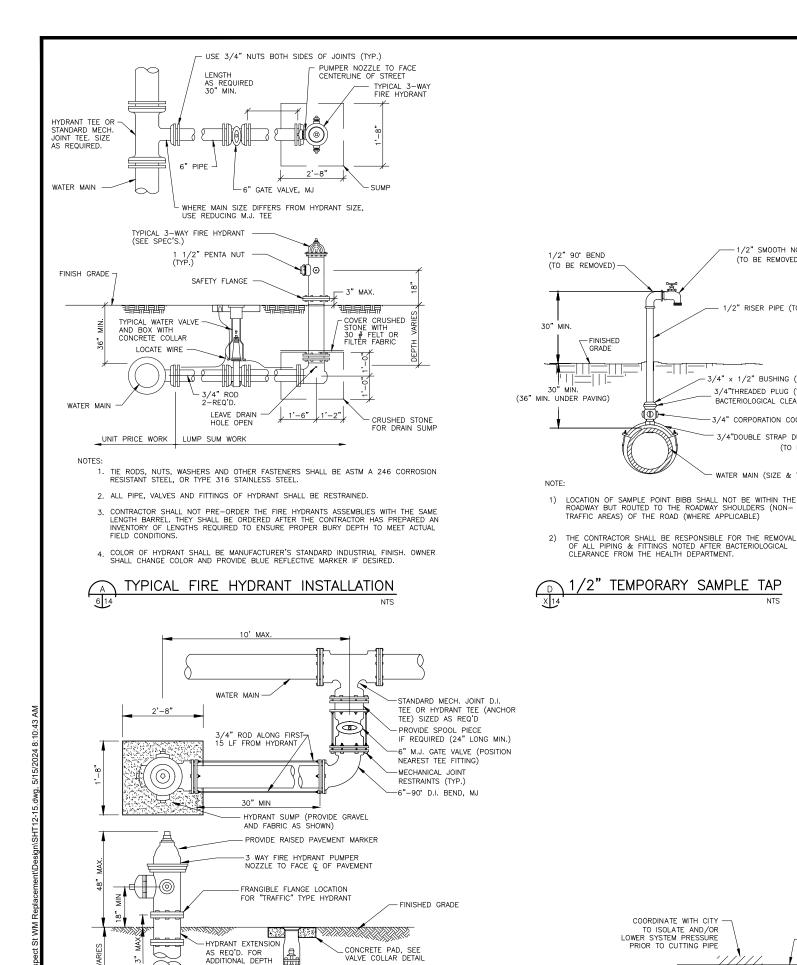
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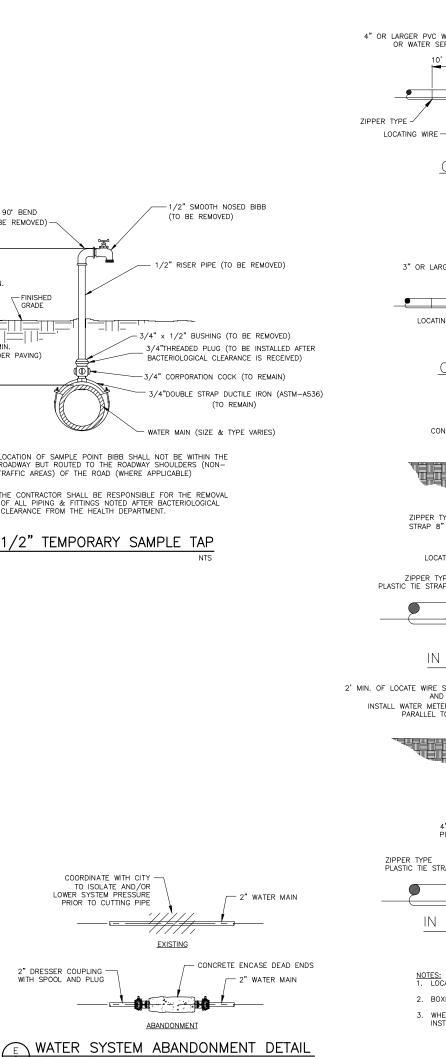


-WATER VALVE BOX & COVER (COVER

_LEAVE DRAIN HOLES OPEN

TYPICAL FIRE HYDRANT LIMITED SPACE INSTALLATION

-PROVIDE 30 # FELT OR FILTER FABRIC (MARAFI 700X, 140'S OR EQUAL) TO TOP AND ALL 4 SIDES



1/2" SMOOTH NOSED BIBB

(TO REMAIN)

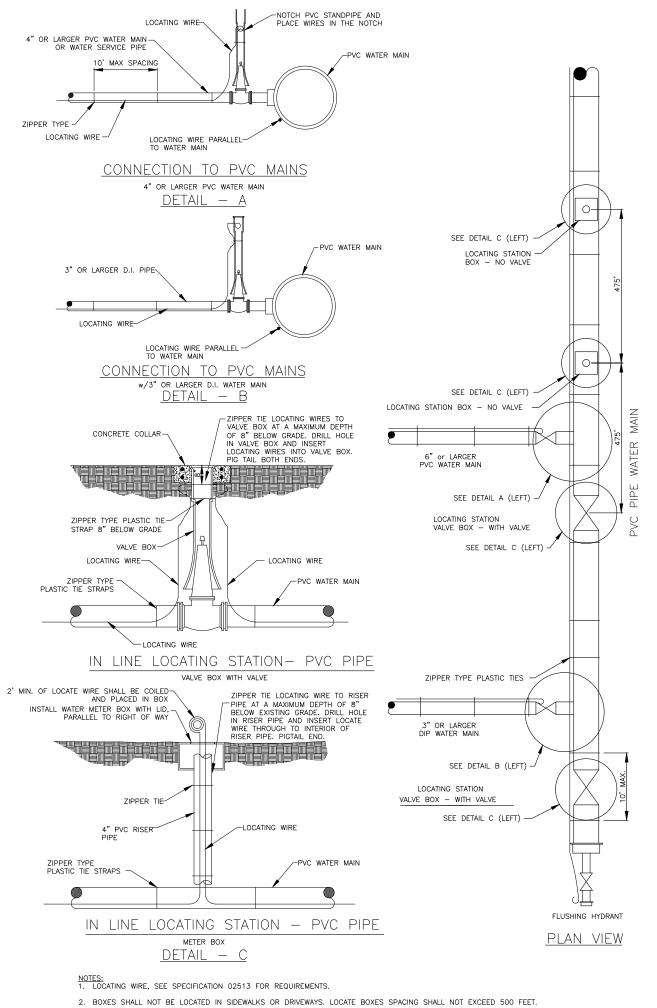
EXISTING

ABANDONMENT

2" DRESSER COUPLING WITH SPOOL AND PLUG

(2" OR LESS)

(TO BE REMOVED)



- 3. WHERE IT IS NOT POSSIBLE TO LOCATE THE BOX OUTSIDE OF A PAVED STREET OR PARKING LOT THE LOCATE WIRE SHALL BE PLACED IN A VALVE BOX INSTEAD OF A ROME BOX. VALVE BOX LID SHALL BE MARKED ACCORDING TO THE TYPE OF PIPE SERVED.

TYPICAL LOCATOR WIRING INSTALLATION DETAILS

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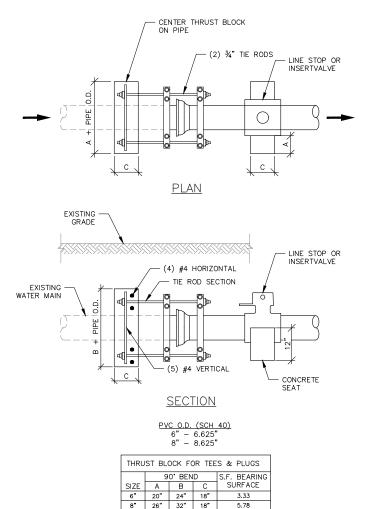
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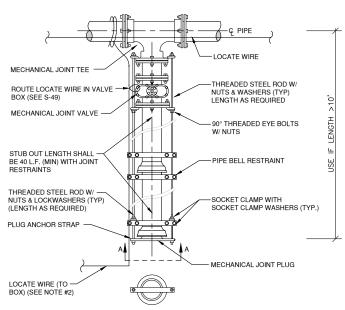
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CITY Main

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SECTION "A-A"

NOTES:

1. IN LIEU OF BELL/ROD RESTRAINTS, MECHANICAL JOINT RESTRAINTS MAY BE USED.

2. LOCATING WIRE REQUIRED, UTILIZING A LOCATE WIRE BOX INSTALLED AT PLUG LOCATION.

3. NUMBER OF TIE RODS REQUIRED IS AS FOLLOWS:

3" - 8" DIAMETER MAIN - 2 TIE RODS REQUIRED PER JOINT (3/4" ROD)

10" - 12" DIAMETER MAIN - 4 TIE RODS REQUIRED PER JOINT (3/4" ROD)

14" - 16" DIAMETER MAIN - 6 TIE RODS REQUIRED PER JOINT (3/4" ROD)

18" - 20" DIAMETER MAIN - 8 TIE RODS REQUIRED PER JOINT (3/4" ROD)

24" DIAMETER MAIN -12 TIE RODS REQUIRED PER JOINT (3/4" ROD)

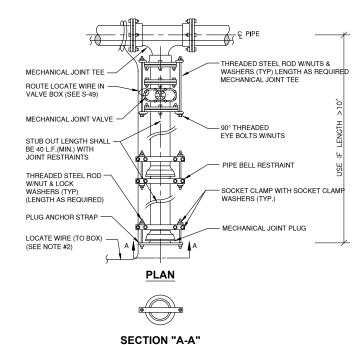
30" - 36" DIAMETER MAIN -14 TIE RODS REQUIRED PER JOINT (17 ROD)

42" - 48" DIAMETER MAIN -16 TIE RODS REQUIRED PER JOINT (1 1/4" ROD)

54" DIAMETER MAIN -18 TIE RODS REQUIRED PER JOINT (1 1/4" ROD)

4. THE LOCATION OF THE DEAD END PLUG SHALL NOT BE UNDER PAVEMENT, IF POSSIBLE. THE STUB OUT SHALL EXTEND BEYOND THE INTERSECTION AREAS OR ROAD CROSSING BY 10 FEET (MIN.) WHERE POSSIBLE.





 ${\color{red} {\rm NOTES:}} \ {\color{blue} {\rm 1.}}$ In Lieu of Bell/ROD RESTRAINTS, MECHANICAL JOINT RESTRAINTS MAY BE USED.

2. LOCATING WIRE REQUIRED, UTILIZING A LOCATE WIRE BOX INSTALLED AT PLUG LOCATION.

3. NUMBER OF TIE RODS REQUIRED IS AS FOLLOWS:

3" - 8" DIAMETER MAIN - 2 TIE RODS REQUIRED PER JOINT (3/4" ROD)

10" - 12" DIAMETER MAIN - 4 TIE RODS REQUIRED PER JOINT (3/4" ROD)

14" - 16" DIAMETER MAIN - 6 TIE RODS REQUIRED PER JOINT (3/4" ROD)

18" - 20" DIAMETER MAIN - 8 TIE RODS REQUIRED PER JOINT (3/4" ROD)

24" DIAMETER MAIN -12 TIE RODS REQUIRED PER JOINT (3/4" ROD)

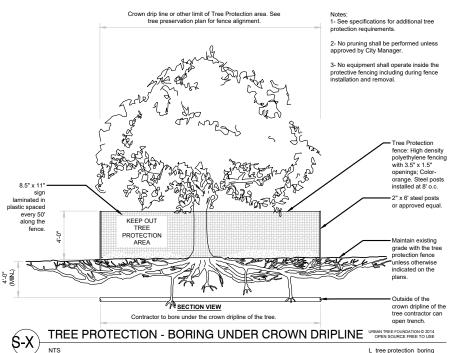
24" DIAMETER MAIN -14 TIE RODS REQUIRED PER JOINT (1" ROD)

42" - 48" DIAMETER MAIN -16 TIE RODS REQUIRED PER JOINT (1 1/4" ROD)

54" DIAMETER MAIN -18 TIE RODS REQUIRED PER JOINT (1 1/4" ROD)

4. THE LOCATION OF THE DEAD END PLUG SHALL NOT BE UNDER PAVEMENT, IF POSSIBLE, THE STUB OUT SHALL EXTEND BEYOND THE INTERSECTION AREAS OR ROAD CROSSING BY 10 FEET (MIN.) WHERE POSSIBLE.

C PLUGGED DEAD END USING MECHANICAL RESTRAINTS



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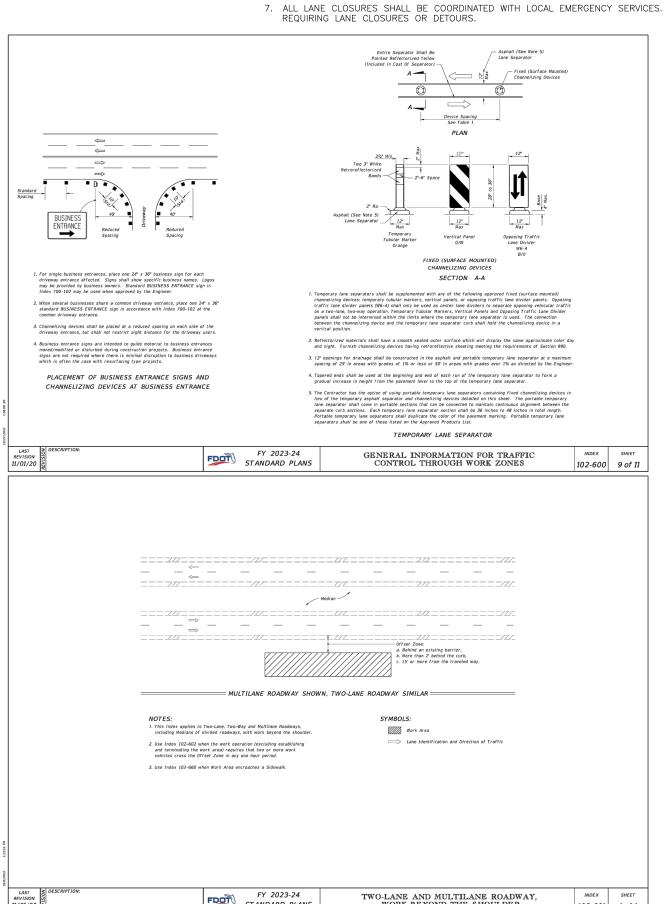
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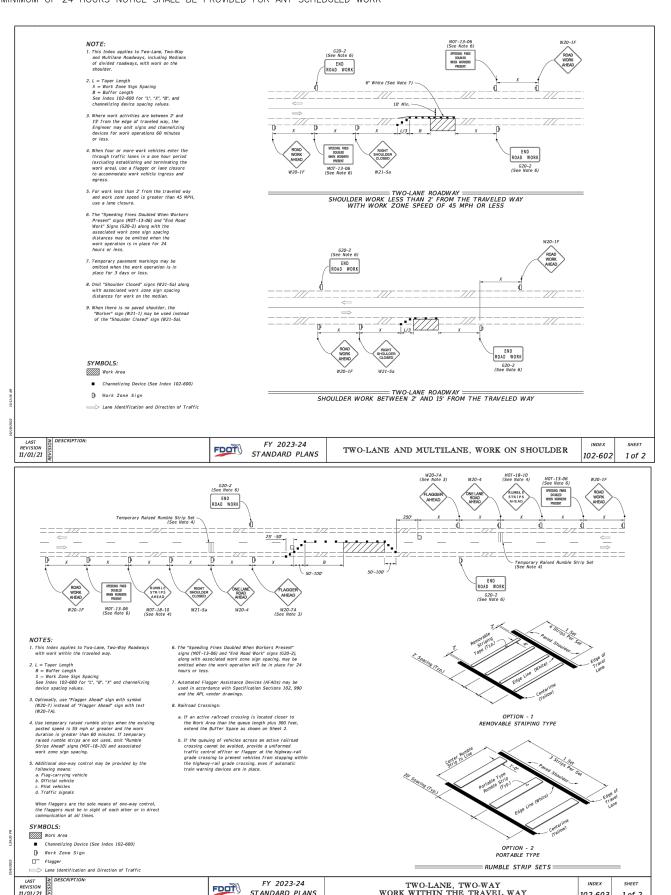
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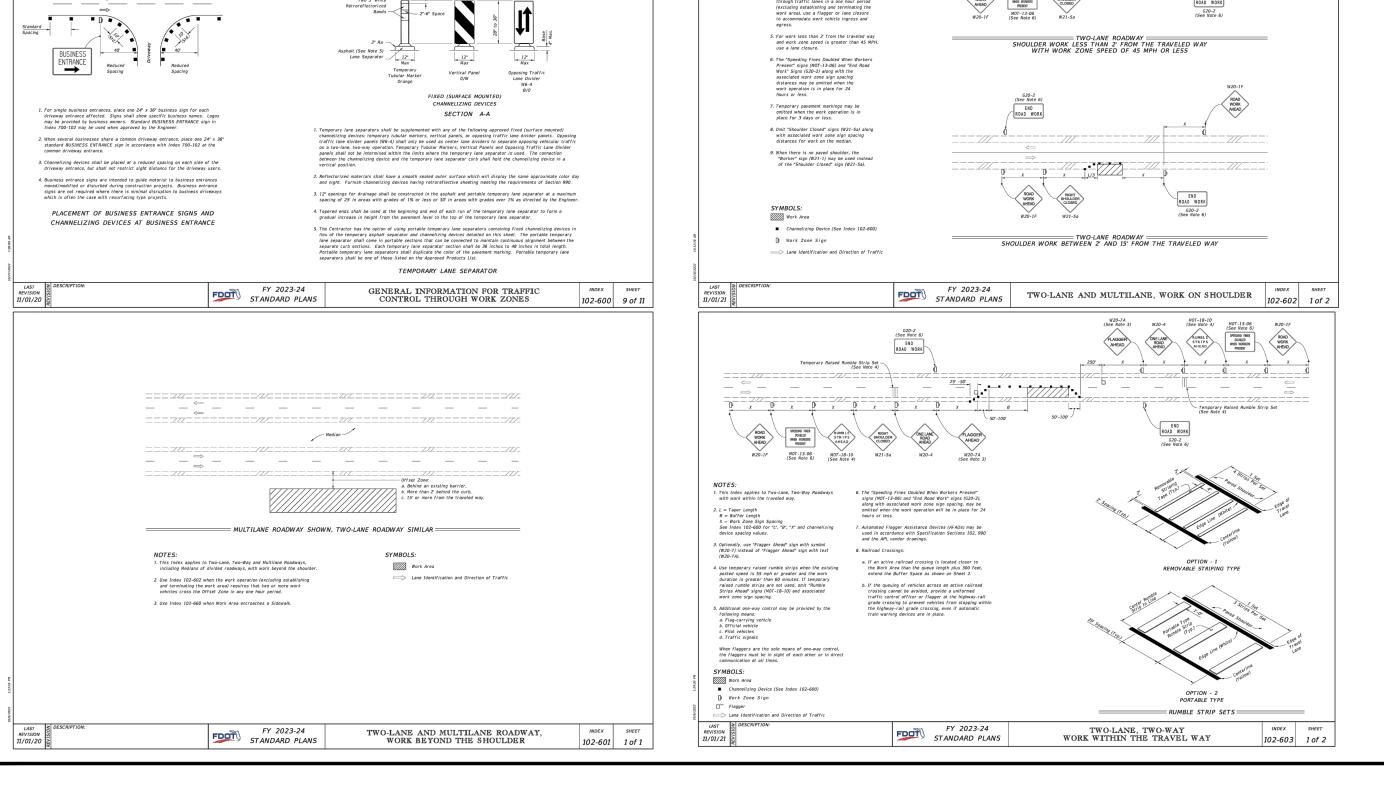
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B PLUGGED DEAD END USING TIE RODS

- 1. THE EXISTING POSTED SPEED SHALL BE MAINTAINED FOR THE DURATION OF CONSTRUCTION. WORK ZONE SPEED SHALL NOT BE LESS THAN POSTED SPEED.
- 2. ARROWS DENOTE DIRECTION OF TRAFFIC ONLY AND DO NOT REFLECT PAVEMENT MARKINGS, UNLESS OTHERWISE NOTED.
- 3. THE CONTRACTOR IS TO MAINTAIN AND KEEP STREET NAME IDENTIFICATION SIGNS VISIBLE DURING CONSTRUCTION OPERATIONS TO FACILITATE EMERGENCY VEHICLE TRAFFIC.
- 4. PLACE BUSINESS ENTRANCE SIGNS IN ACCORDANCE WITH FDOT INDEX 102-600, SHEET 9.
- 5. EXISTING GUIDE SIGNS AND APPLICABLE WARNING SIGNS ARE TO BE RELOCATED DURING CONSTRUCTION TO ALIGN WITH ALL PHASE TRAFFIC PATTERNS.
- 6. THE CONTRACTOR SHALL CONTACT TRANSIT AND SCHOOL AUTHORITIES FOR THEIR BUS STOP LOCATIONS AND SCHEDULES TO MAINTAIN SAFE ACCESS TO THE RIDERS AT ALL TIMES.
- 7. ALL LANE CLOSURES SHALL BE COORDINATED WITH LOCAL EMERGENCY SERVICES. A MINIMUM OF 24 HOURS NOTICE SHALL BE PROVIDED FOR ANY SCHEDULED WORK







CITY OF CRESCENT CITY Prospect St. Water Main Replacement Maintenance of Traffic Putnam County, Florida

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