

# CONSTRUCTION PLANS

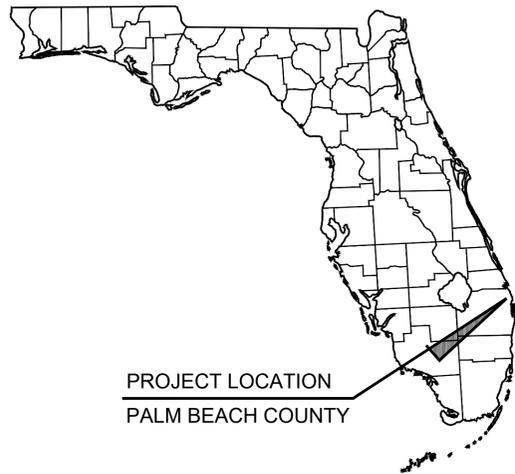
FOR

## WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT

PREPARED FOR THE

# VILLAGE OF TEQUESTA WATER UTILITIES, FLORIDA

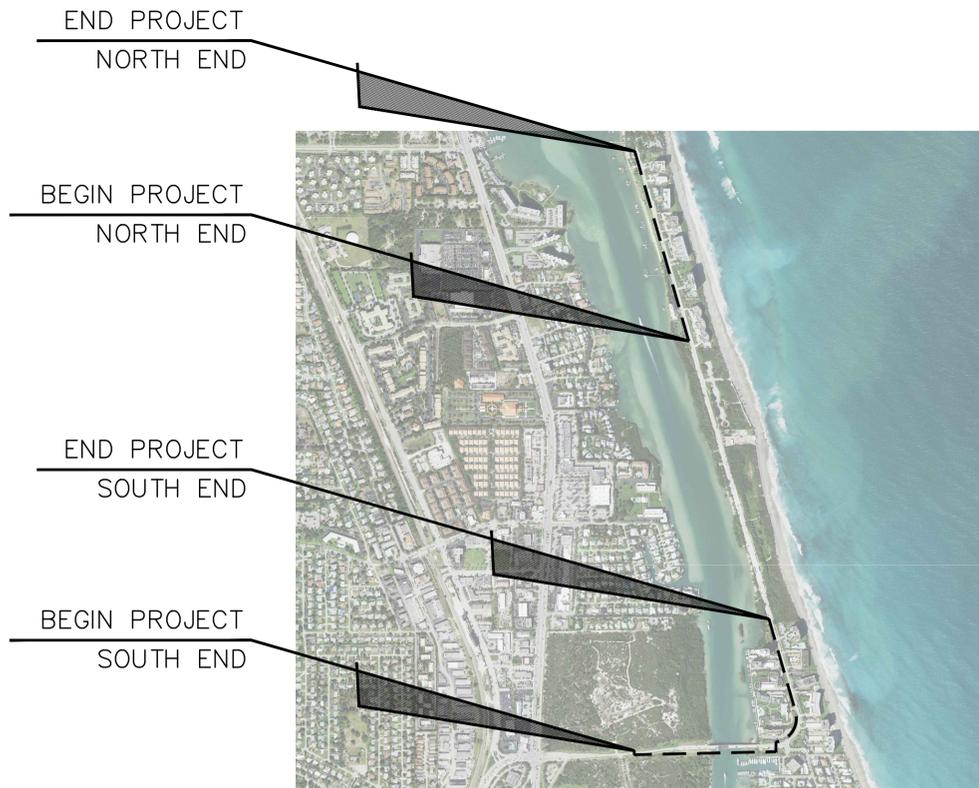
## JANUARY 2026



**CITY OFFICIALS**

**MAYOR**  
**VICE MAYOR**  
**COUNCIL MEMBER**  
**COUNCIL MEMBER**  
**COUNCIL MEMBER**  
**WATER UTILITIES DIRECTOR**  
**VILLAGE MANAGER**

**MOLLY YOUNG**  
**RICK SARTORY**  
**JAYSON E. FRENCH**  
**LAURIE BRANDON**  
**PATRICK PAINTER**  
**ALLYSON FELSBURG**  
**JEREMY ALLEN**



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**811**  
IT'S THE LAW!  
DIAL 811  
Know what's below.  
Call before you dig.  
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

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Plotted By: Muechechete, Mark. Sheet Set: Beach Road Water Main Replacement Phase 2 - Layout: C-1 COVER SHEET - January 19, 2026 05:15:34pm. K:\WPB\_Civil\040097031 - Beach Road WM - Phase 2\CADD\Plansheets\C-1 COVER SHEET.dwg. This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of any improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

**Kimley»Horn**

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1920 WEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411  
PHONE: 561-845-0665 FAX: 561-863-8175  
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT	040097031
DATE	JAN. 2026
SCALE	AS SHOWN
DESIGNED BY	SS
DRAWN BY	MJM
CHECKED BY	TCJ

**WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT**

PREPARED FOR  
**VILLAGE OF TEQUESTA**

TEQUESTA FLORIDA

LICENSED PROFESSIONAL  
**THOMAS C. JENSEN, P.E.**  
FLORIDA LICENSE NUMBER  
37290

**COVER SHEET**

SHEET NUMBER  
**C-1**

Plotted By: Muechebecher, Mark Sheet: Set-Beach Road Water Main Replacement Phase 2 - Layout-C-2 - GENERAL NOTES - January 19, 2026 05:15:41pm K:\WEB\_Civil\040097031 - Beach Road WM - Phase 2\CADD\Plansheets\C-2 - GENERAL NOTES.dwg  
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**GENERAL CONSTRUCTION NOTES**

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITIES AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. ALL WORK SHALL BE PERFORMED IN A PROFESSIONAL MANNER AND SHALL CONFORM WITH ALL APPLICABLE CITY, COUNTY, STATE, AND FEDERAL REGULATIONS AND/OR CODES.
- EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF THE TOPOGRAPHIC SURVEY. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. A LIST OF THE UTILITY COMPANIES WHICH THE CONTRACTOR MUST CALL BEFORE COMMENCING WORK IS PROVIDED BELOW. THIS LIST SERVES AS A GUIDE ONLY AND IS NOT INTENDED TO LIMIT THE UTILITY COMPANIES WHICH THE CONTRACTOR MAY WISH TO NOTIFY.
 

LOXAHATCHEE RIVER DISTRICT 2500 JUPITER PARK DR JUPITER, FL 33458 PROJECT CONTACT: KRIS DEAN, P.E. PHONE NUMBER: (561) 401-4024	ATT UTILITY COORDINATOR 2315 GEES MILL BUSINESS PKWY NE CONYERS, GA 30013 PROJECT CONTACT: PAUL HERRON PHONE NUMBER: (561) 281-5302
COMCAST CABLE 10435 IRONWOOD ROAD PALM BEACH GARDENS, FL 33410 PROJECT CONTACT: MIYA FISHER PHONE NUMBER: (561) 454-5846	FLORIDA POWER & LIGHT 4200 W FLAGLER ST MIAMI, FL 33134 PROJECT CONTACT: JOEL BRAY PHONE NUMBER: (386) 536-6403
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS, LICENSES, AND BONDS AS REQUIRED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL OBTAIN COPIES OF AND FAMILIARIZE HIMSELF AND HIS SUBCONTRACTORS WITH THE PERMIT CONDITIONS OF ALL OWNER OBTAINED PERMITS FOR THE WORK.
- ANY DISCREPANCIES ON THE DRAWINGS, INCLUDING ALL DEVIATION FROM THE EXISTING UTILITY SIZE AND LOCATIONS SHOWN ON THE PLANS, SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE ENGINEER A CERTIFIED RECORD SURVEY SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA DEPICTING THE ACTUAL FIELD LOCATION OF ALL CONSTRUCTED IMPROVEMENTS THAT ARE REQUIRED BY THE JURISDICTIONAL AGENCIES FOR THE CERTIFICATION PROCESS. ALL SURVEY COSTS WILL BE THE CONTRACTORS RESPONSIBILITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE VIDEO DOCUMENTATION OF THE SITE CONDITIONS AND EXISTING UTILITY CONDITIONS AS REQUIRED BY THE OWNER PRIOR TO CONSTRUCTION. VIDEO DOCUMENTATION SHALL BE CONDUCTED BY A PROFESSIONAL WITH EXPERIENCE WITH VIDEO DOCUMENTATION OF SIMILAR PROJECTS AND EXISTING UTILITIES. ALL VIDEO DOCUMENTATION COSTS WILL BE THE CONTRACTORS RESPONSIBILITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER/ENGINEER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER/ENGINEER OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.
- ACCESS TO ADJACENT PROPERTIES SHALL BE MAINTAINED TO THE GREATEST EXTENT PRACTICAL. WHEN ACCESS CANNOT BE MAINTAINED, THE TIME OF NON-ACCESS SHALL BE MINIMIZED AND CLOSELY COORDINATED WITH THE PROPERTY OWNER.
- ANY DAMAGE TO PRIVATE PROPERTY MADE BY THE CONTRACTOR SHALL BE PROMPTLY REPAIRED TO AN EQUAL OR BETTER CONDITION AS IT WAS BEFORE COMMENCEMENT OF THE WORK. ALL REPAIR COSTS WILL BE THE CONTRACTOR'S RESPONSIBILITY.
- ALL RECORD DRAWINGS SHALL BE PROVIDED IN NAVD 1988.
- ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN THE RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH STANDARDS APPLICABLE TO PUBLIC RIGHTS-OF-WAY STANDARDS AND EASEMENTS WITHIN THE VILLAGE OF TEQUESTA (VILLAGE'S STANDARDS), FDOT SPECIFICATIONS AND STANDARDS (LATEST EDITION), AND PALM BEACH COUNTY STANDARDS IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS.
- ALL ELEVATIONS SHOWN REFER TO NAVD 1988.
- CONTRACTOR SHALL APPLY FOR AND MAINTAIN APPROPRIATE DEWATERING PERMIT(S) (IF REQUIRED) FOR GOVERNING AGENCIES AND ABIDE BY TERMS AND CONDITIONS OF PERMITS DURING CONSTRUCTION.

**DEMOLITION NOTES**

- REFER TO THE TOPOGRAPHIC SURVEY FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. UNLESS OTHERWISE NOTED, ALL EXISTING STRUCTURES, SLABS, FIRE HYDRANTS, PIPES, VALVES, CONCRETE, ASPHALT, DEBRIS PILES, AND ALL APPURTENANCES TO BE REMOVED FROM THE SITE BY THE CONTRACTOR AND PROPERLY DISPOSED OF IN A LEGAL MANNER AS PART OF THIS CONTRACT. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.
- THE CONTRACTOR SHALL REFER TO THE PLANS FOR DEMOLITION/PRESERVATION OF EXISTING TREES AND LANDSCAPING. ALL TREES AND LANDSCAPING NOT SPECIFICALLY SHOWN TO BE REMOVED OR RELOCATED SHALL BE PRESERVED AS A PART OF THIS CONTRACT. TREE/LANDSCAPING PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION.
- ALL OUTLETS, ELECTRICAL CONDUITS AND SERVICES TO REMAIN AND BE PROTECTED THROUGHOUT THE PROJECT DURATION.
- LANDSCAPING ELEMENTS, TREES, ETC. MAY REQUIRE TEMPORARY RELOCATION TO COMPLETE THE WORK AS SHOWN. CONTRACTOR TO STORE, PROTECT, AND REINSTALL THESE ITEMS UPON COMPLETION OF THE WORK. CONTRACTOR TO COORDINATE WITH PROPERTY OWNER FOR REMOVAL/REINSTALLATION OF THESE ITEMS. IF THE TREES DO NOT SURVIVE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT IN KIND.
- THE CONTRACTOR SHALL GRADE THE SITE TO RESTORE THE EXISTING DRAINAGE PATTERNS AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL.

- AREAS INDICATED AS PAVEMENT SHALL BE REPAIRED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AND AS INDICATED ON THE DRAWINGS.
- THE CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.
- FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH SPECIFICATIONS, THE LOCAL JURISDICTIONAL AGENCY, OR TO VILLAGE STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT REQUIREMENT SHALL GOVERN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
- THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THEREAFTER, THE CONTRACTOR MUST REMOVE THE BARRIERS. AT NO TIME SHALL THERE BE ANY OFF-SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS IN CHAPTER 17-302, FLORIDA ADMINISTRATIVE CODE.
- SOD AND FENCE, WHERE REQUIRED FOR RESTORATION, MUST BE INSTALLED TO MATCH EXISTING AND MAINTAINED THROUGH PROJECT COMPLETION.

**PBC ROAD & BRIDGE DIVISION GENERAL NOTES**

- IF DURING THE PROPOSED CONSTRUCTION/CROSSING ANY EXISTING PBC STORM DRAIN PIPE/STRUCTURES ARE AFFECTED IN ANY WAY, PBC ROAD & BRIDGE REQUIRES FULL RESTORATION OF THE AFFECTED SYSTEM TO LIKE OR BETTER THAN LIKE CONDITION AND TO PBC/FDOT STANDARDS.
- IF PBC SIDEWALK, PATHWAY, CURB & GUTTER, AND/OR ADA FACILITIES ARE AFFECTED, PBC ROAD & BRIDGE WILL REQUIRE RESTORATION OF A MINIMUM OF 10' AND TO BE LIKE OR BETTER THAN LIKE CONDITION PER PBC/FDOT STANDARDS.
- SIDEWALKS WILL BE RESTORED BY REPLACING TWO FLAGS IF THE POINT OF CONSTRUCTION IS LOCATED AT A CONTROL JOINT AND THREE FLAGS IF THE POINT OF CONSTRUCTION IS LOCATED BETWEEN CONTROL JOINTS. NO PARTIAL JOINTS ARE ACCEPTED (PER SITUATION)
- THERMOPLASTIC SHALL CONFORM TO THE REQUIREMENTS OF THE FLORIDA DEPT. OF TRANSPORTATION (FDOT) STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION. SEE SECTION 711. MINIMUM THICKNESS SHALL BE 90MILS (ALKYD ONLY) EXTRUDED ONLY, ON ALL COUNTY MAINTAINED ROADWAYS.
- THERMOPLASTIC SHALL BE USED UNLESS OTHERWISE APPROVED BY PALM BEACH COUNTY TRAFFIC ENGINEER.
- PAVEMENT MARKING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION. THE M.U.T.C.D. & F.D.O.T. ROADWAY & TRAFFIC DESIGN STANDARDS (LATEST EDITION).
- IF EXISTING PAVEMENT MARKING MATERIAL IS NOT COMPATIBLE WITH ALKYD THERMOPLASTIC IT SHALL BE REMOVED PRIOR TO COMMENCEMENT OF WORK.
- THERMOPLASTIC SHALL NOT BE INSTALLED ON ROADWAY UNTIL FIVE CALENDAR DAYS AFTER THE FINAL LIFT OF ASPHALT HAS BEEN COMPLETED, UNLESS OTHERWISE SPECIFIED BY PALM BEACH COUNTY TRAFFIC ENGINEER.
- ALL PAVEMENT MARKINGS SHALL HAVE REFLECTIVITY OF NOT LESS THAN 300 MINICANDELS AT INSTALLATION.
- ALL LONGITUDINAL PAVEMENT MARKINGS SHALL BE 6" WIDE, UNLESS OTHERWISE NOTED, PER F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS OR PALM BEACH COUNTY DESIGN STANDARDS.
- VARIATIONS FROM THIS SHALL BE APPROVED BY PALM BEACH COUNTY TRAFFIC ENGINEER.
- ALL MARKERS SHALL BE CLASS "B" AS PER F.D.O.T. STANDARD SPECIFICATION FOR ROAD AND BRIDGE SECTION 706.
- EPOXY OR BITUMINOUS SHALL BE USED WHEN INSTALLING RPM'S ON CONCRETE OR ASPHALT PAVEMENT. THERMOPLASTIC MAY BE USED TO SET R.P.M'S ON ASPHALT PAVEMENT ONLY.
- R.P.M'S SHALL BE PLACED 1" (ONE INCH) TO THE LEFT OR RIGHT OF LINE.
- ALL PAVEMENT MARKING MATERIAL SHALL BE ON THE APPROVED FLORIDA DEPARTMENT OF TRANSPORTATION "QUALITY PRODUCTS LIST" (QPL) AND APPROVED BY P.B.C. TRAFFIC ENGINEER, BEFORE INSTALLATION ON COUNTY ROADWAYS.
- ALL REMOVAL OF PAVEMENT MESSAGES AND ARROWS SHALL BE IN BLOCK STYLE SUCH THAT THE MESSAGE IS NO LONGER DISCERNIBLE. METHOD OF REMOVAL SHALL BE APPROVED BY PALM BEACH COUNTY TRAFFIC ENGINEER.
- PAVEMENT MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM OF TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND PALM BEACH COUNTY TYPICAL T-P-13.

**WATER UTILITY NOTES**

- ALL MATERIALS TO BE PROVIDED SHALL BE IN ACCORDANCE WITH THE VILLAGE OF TEQUESTA'S APPROVED MATERIALS LIST AND DESIGN STANDARDS.
- THE CONTRACTOR SHALL CONSTRUCT DOMESTIC WATER LINES AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIALS, EQUIPMENT, MACHINERY, TOOLS, MEANS OF TRANSPORTATION AND LABOR NECESSARY TO COMPLETE THE WORK IN FULL AND COMPLETE ACCORDANCE WITH THE SHOWN, DESCRIBED AND REASONABLY INTENDED REQUIREMENTS OF THE CONTRACT DOCUMENTS AND VILLAGE OF TEQUESTA REQUIREMENTS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
- ALL EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS FOR UTILITY LOCATION AND COORDINATION IN ACCORDANCE WITH THE NOTES CONTAINED IN THE GENERAL CONSTRUCTION SECTION OF THIS SHEET.
- UNLESS OTHERWISE NOTED, PROPOSED WATER MAIN TO BE POLYVINYL CHLORIDE PIPE (PVC) PIPE. ALL FITTINGS AND VALVES TO BE MECHANICAL JOINT UNLESS OTHERWISE NOTED.
  - CEMENT LINED DUCTILE IRON PIPE (ALL SIZES) OR C-900 CLASS 150 DR 18 PVC PIPE (UP TO 12" DIAMETER) SHALL BE ALLOWED FOR POTABLE WATER PIPES. THE LINING FOR DUCTILE IRON PIPE SHALL BE FACTORY APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND SHALL BE WARRANTED BY THE PIPE MANUFACTURER. UNLESS SPECIFIC APPROVAL IS GRANTED, NO WATER MAIN SHALL BE ENCASED IN CONCRETE.
  - PVC PIPE - ALL PRODUCTS SHALL BE AS SPECIFIED BY THE VILLAGE STANDARDS. IF NO STANDARD EXISTS, THE FOLLOWING SHALL BE USED:
    - AWWA C-900 AND C-905 PVC PIPE
    - ALL PVC PIPE SHALL MEET AWWA C-900 AND C-905 STANDARDS AND NSF REQUIREMENTS FOR POTABLE WATER APPLICATION. PVC PIPE 6" THROUGH 12" SHALL BE CLASS 150, DR 18 PIPE CONFORMING TO AWWA C-900. PIPE GREATER THAN 12" SHALL CONFORM TO AWWA C-905, DR 18 OR BETTER.
    - FITTINGS USED IN CONJUNCTION WITH THE C-900 PVC PIPE SHALL BE AWWA DUCTILE IRON FITTINGS.
    - PVC WATERMAIN SHALL BE BLUE IN COLOR.
  - HDPE PIPE - ALL PRODUCTS SHALL BE SPECIFIED BY THE VILLAGE STANDARDS.
  - FITTINGS SHALL BE DUCTILE IRON MECHANICAL JOINT AND SHALL CONFORM TO ANSI/AWWA STANDARD C110.A21.10 LATEST REVISION. FITTINGS 4" AND LARGER SHALL BE CEMENT LINED.

- REFER TO THE VILLAGE SEPARATION DETAILS FOR INSTALLATION AT PIPE CONFLICTS. IF CROSSING IS NOT SPECIFIED, FOLLOW PART III OF CHAPTER 62-610 FAC FOR MINIMUM PIPE SEPARATION DISTANCES.
- PIPE LENGTHS ARE MEASURED FROM CENTER OF FITTINGS UNLESS OTHERWISE NOTED.
- DEFLECTION OF PIPE JOINTS AND CURVATURE OF PIPE SHALL NOT EXCEED 75% OF THE MANUFACTURER'S SPECIFICATIONS. SECURELY CLOSE ALL OPEN ENDS OF PIPE AND FITTINGS WITH A WATERTIGHT PLUG WHEN WORK IS NOT IN PROGRESS. THE INTERIOR OF ALL PIPES SHALL BE CLEAN AND JOINT SURFACES WIPED CLEAN AND DRY AFTER THE PIPE HAS BEEN LOWERED INTO THE TRENCH. VALVES SHALL BE PLUMB AND LOCATED ACCORDING TO THE PLANS.
- ALL PHASES OF INSTALLATION, INCLUDING UNLOADING, TRENCHING, LAYING AND BACK FILLING, SHALL BE DONE IN A WORKMANLIKE MANNER. ALL PIPE AND FITTINGS SHALL BE CAREFULLY STORED FOLLOWING MANUFACTURER'S RECOMMENDATIONS. CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE COATING OR LINING IN ANY D.I. PIPE FITTINGS. ANY PIPE OR FITTING WHICH IS DAMAGED OR WHICH HAS FLAWS OR IMPERFECTIONS WHICH, IN THE OPINION OF THE ENGINEER OR OWNER, RENDERS IT UNFIT FOR USE, SHALL NOT BE USED. ANY PIPE NOT SATISFACTORY FOR USE SHALL BE CLEARLY MARKED AND IMMEDIATELY REMOVED FROM THE JOB SITE, AND SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- ALL UTILITY AND STORM DRAIN TRENCHES LOCATED UNDER AREAS TO RECEIVE PAVING SHALL BE COMPLETELY BACK FILLED IN ACCORDANCE WITH THE GOVERNING JURISDICTIONAL AGENCY'S SPECIFICATIONS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
- UNDERGROUND LINES SHALL BE SURVEYED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR BEFORE BACK FILLING. SEE SPECIFICATION FOR ADDITIONAL REQUIREMENTS.
- ALL WATER MAIN CONSTRUCTED ON THIS PROJECT SHALL BE RESTRAINED PER VILLAGE OF TEQUESTA STANDARD DETAILS.
- CONTRACTOR SHALL PERFORM, AT HIS OWN EXPENSE, ANY AND ALL TESTS REQUIRED BY THE SPECIFICATIONS AND/OR AGENCY HAVING JURISDICTION. THESE TESTS MAY INCLUDE, BUT MY NOT BE LIMITED TO, PRESSURE AND BACTERIOLOGICAL TESTING FOR POTABLE WATER SYSTEMS. A COPY OF THE TEST RESULTS SHALL BE PROVIDED TO THE UTILITY PROVIDER, OWNER AND JURISDICTIONAL AGENCY AS REQUIRED.
- ALL VALVE BOXES, MANHOLE FRAMES AND COVERS ARE TO BE FLUSH WITH PROPOSED FINISHED GRADES OR WALKS, PAVEMENTS, SWALES, ETC. THEY SHALL HAVE CONCRETE PADS POURED IN UNPAVED AREAS, IN ACCORDANCE WITH VALVE, AIR RELEASE & MANHOLE SETTING DETAILS.
- PRESSURE AND LEAKAGE TESTS SHALL BE CONDUCTED IN THE PRESENCE OF THE ENGINEER OR AN APPOINTED REPRESENTATIVE. THE CONTRACTOR WILL PROVIDE ALL NECESSARY APPARATUS INCLUDING A PUMP, MEASURING DEVICE, PIPING CONNECTIONS, FITTINGS AND THE NECESSARY LABOR TO CONDUCT THE TEST. THE TEST SHALL BE A MINIMUM 2 HOUR DURATION. DURING THE TEST, THE PIPE BEING TESTED SHALL BE MAINTAINED AT A PRESSURE OF NOT LESS THAN 150 psi FOR WATER MAINS. THERE SHALL NOT BE A LOSS OR GAIN OF MORE THAN 5 psi DURING THE TEST. LEAKAGE IS DEFINED AS THE QUANTITY OF WATER ADDED TO THE PIPE AFTER THE TESTING PERIOD. NO PIPE INSTALLATION WILL BE ACCEPTED IF THE LEAKAGE EXCEEDS THE QUANTITIES SPECIFIED IN AWWA C-605 OR C-600 AS APPROPRIATE. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE PROPOSED TESTING PATTERN TO FOLLOW. THIS SHALL BE SUBMITTED FOR APPROVAL BY THE ENGINEER TO THE VILLAGE PRIOR TO TESTING. UNLESS APPROVED BY THE ENGINEER, THE CONTRACTOR SHALL NOT TEST MORE THAN 1,500 FT OF THE PIPE IN A SINGLE TEST, AND ALL SERVICES MUST BE INSTALLED.
- TAPS SHALL NOT BE MADE CLOSER THAN 8" OR TWICE THE PIPE DIAMETER, WHICHEVER IS GREATER.
- ALL LINES SHALL BE BACTERIOLOGICALLY EVALUATED IN ACCORDANCE WITH RULE 62.555 340 FAC.

**EROSION CONTROL NOTES**

- CONTRACTOR SHALL PREPARE AND SUBMIT A NOTICE OF INTENT TO USE THE APPLICABLE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT PRIOR TO THE START OF WORK. THE CONTRACTOR SHALL PREPARE AN EROSION CONTROL PLAN AS NOTED HERE AND IN THE PROJECT SPECIFICATIONS.
- ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
- THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES (BMP'S) AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- BEST MANAGEMENT PRACTICES AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING AGENCY OR OWNER.
- EROSION CONTROL PLAN MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
- THE CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
- SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON SITE AND TRACKING OF SOIL. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
- ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.
- ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.

**EROSION CONTROL MAINTENANCE**

ALL MEASURES STATED IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

- INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.
- SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
- OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 55 CUBIC YARDS / ACRE.

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 PHONE: 561-845-0665 FAX: 561-863-8175  
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT

PREPARED FOR VILLAGE OF TEQUESTA

KHA PROJECT 040097031  
 DATE JAN. 2026  
 SCALE AS SHOWN  
 DESIGNED BY SS  
 DRAWN BY MJM  
 CHECKED BY TCJ

LICENSED PROFESSIONAL

THOMAS C. JENSEN, P.E.

FLORIDA LICENSE NUMBER 37290

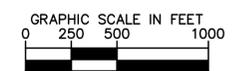
DATE: \_\_\_\_\_

GENERAL NOTES

SHEET NUMBER

C-2

Plotted By: Muechehete, Mark  
 Sheet Set: Beach Road Water Main Replacement Phase 2 - Layout: C-3 OVERALL PROJECT MAP (KEY SHEET)  
 January 19, 2026 05:15:56pm  
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KHA PROJECT	040097031
DATE	JAN. 2026
SCALE	AS SHOWN
DESIGNED BY	SS
DRAWN BY	MJM
CHECKED BY	TCJ

**WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT**

PREPARED FOR  
**VILLAGE OF TEQUESTA**

TEQUESTA FLORIDA

LICENSED PROFESSIONAL

THOMAS C. JENSEN, P.E.

FLORIDA LICENSE NUMBER  
 37290

DATE: \_\_\_\_\_

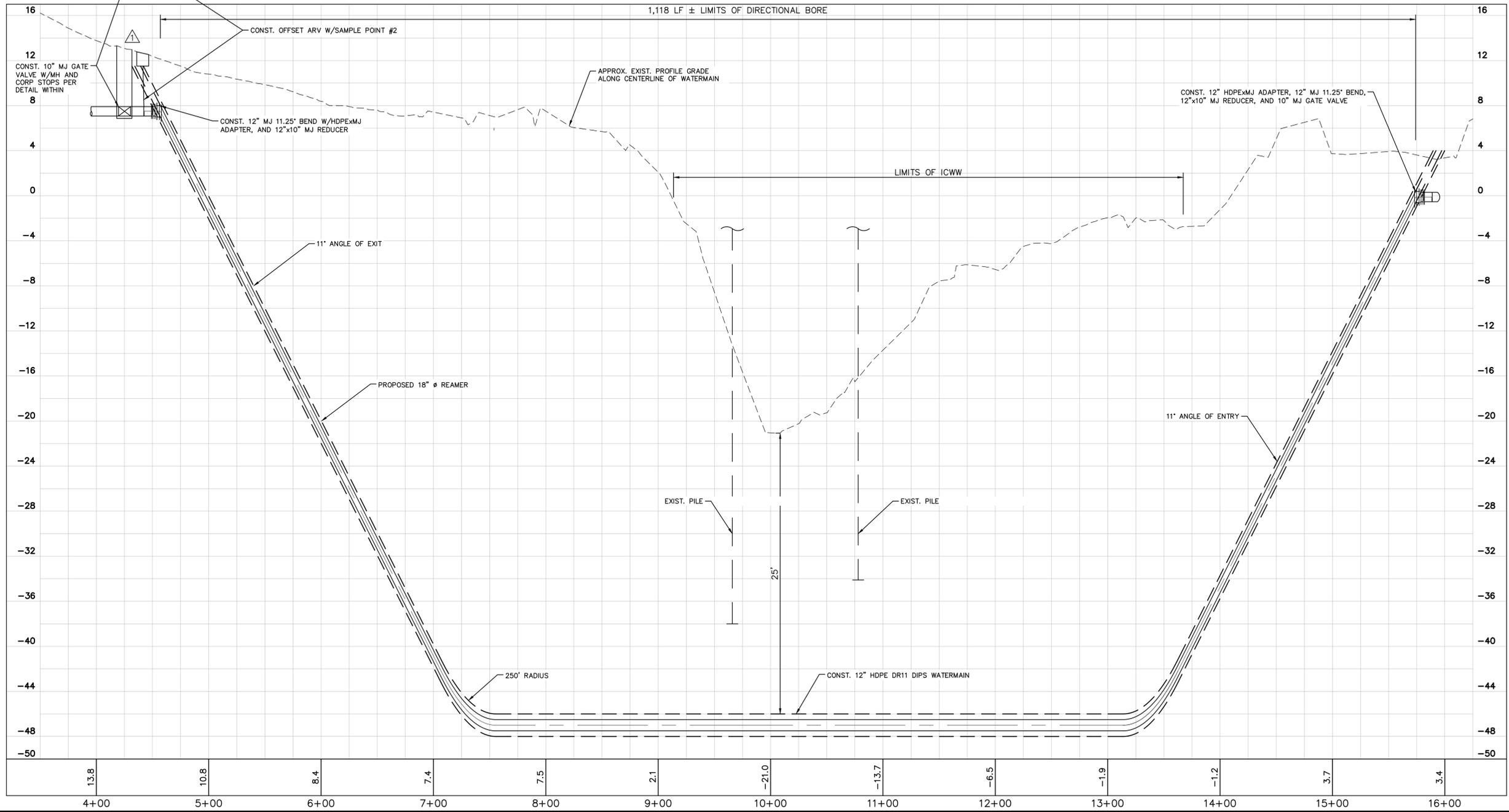
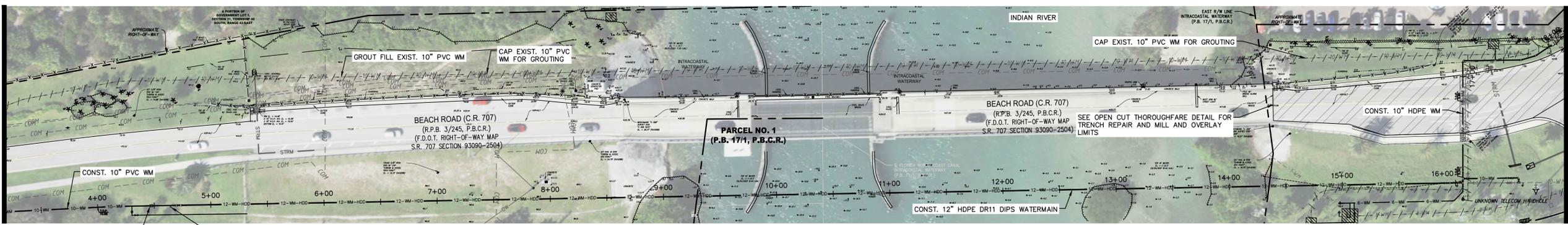
**OVERALL PROJECT MAP (KEY SHEET)**

SHEET NUMBER

**C-3**



Plotted By: Muechechete, Mark  
 Sheet Set: Beach Road Water Main Replacement Phase 2 - Layout: C-5 WATER MAIN PLAN (DIRECTIONAL DRILL) - January 19, 2026 05:16:35pm  
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  - ALL AC WM THAT IS CUT OUT TO MAKE CONNECTIONS SHALL BE PROPERLY BAGGED AND DISPOSED OF IN ACCORDANCE WITH LATEST AC MATERIAL DISPOSAL GUIDELINES.
  - NO AC PIPE THAT IS CUT FOR CONNECTIONS OR TO MAKE GROUT FILL CONNECTIONS WILL BE CRUSHED AND LEFT IN THE TRENCH.

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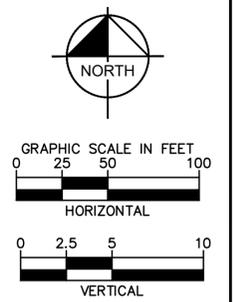
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KHA PROJECT	040097031
DATE	JAN. 2026
SCALE	AS SHOWN
DESIGNED BY	SS
DRAWN BY	MJM
CHECKED BY	TCJ

**WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT**

PREPARED FOR  
**VILLAGE OF TEQUESTA**

FLORIDA

LICENSED PROFESSIONAL

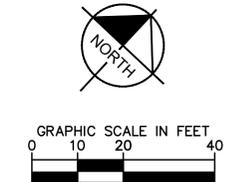
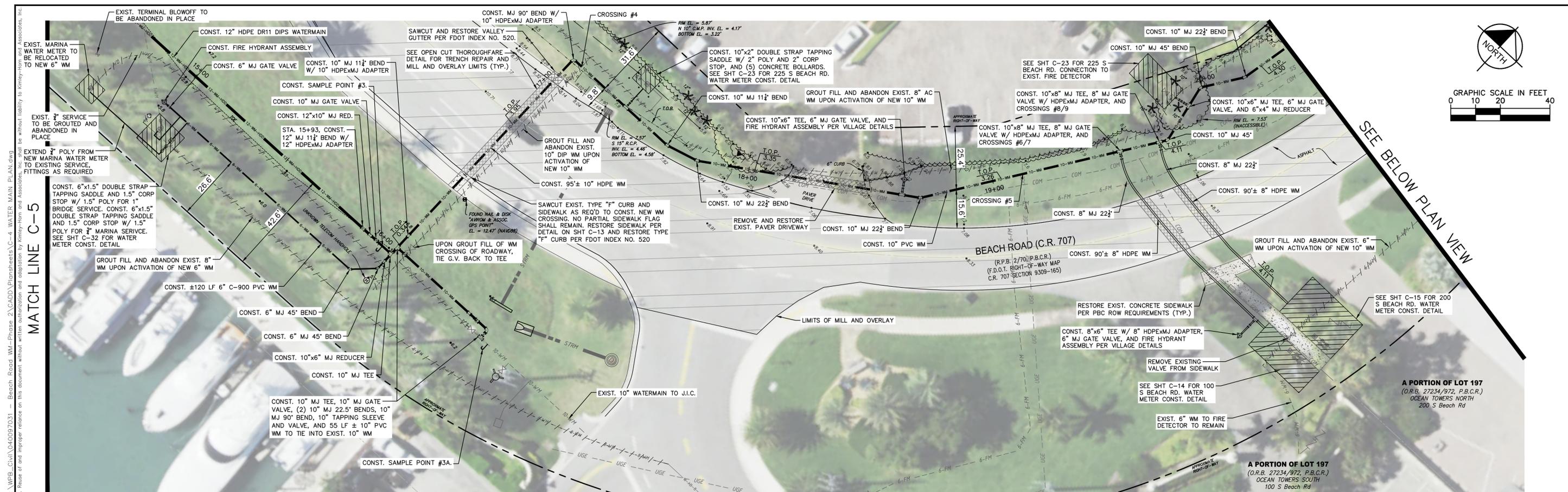
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FLORIDA LICENSE NUMBER  
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**WATER MAIN PLAN (DIRECTIONAL DRILL)**

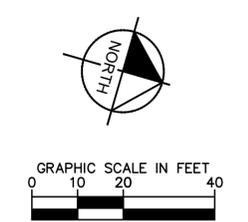
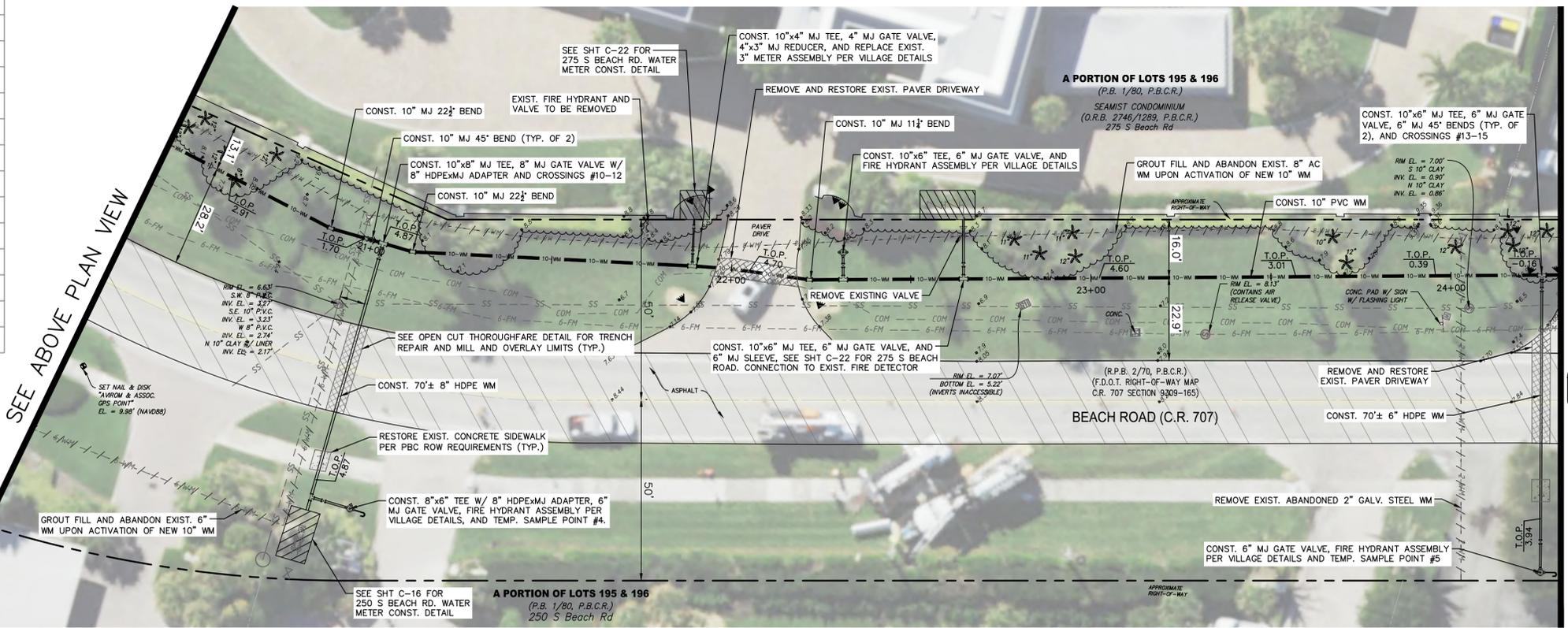
SHEET NUMBER

**C-5**



NUM.	UTILITY	SIZE	T.O.P.	B.O.P	CLR.
4	WM	10"	-	3.80	0.5'±
5	UGE	4"	-	3.85	0.5'±
6	COM	4"	-	5.38	1.4'±
7	FM	6"	12.5	-	1.4'±
8	COM	4"	-	5.38	1.4'±
9	FM	6"	12.5	-	1.4'±
10	COM	4"	-	6.09	1.4'±
11	FM	6"	3.12	-	1.1'±
12	SS	8"	3.04	-	1.2'±
13	SS	8"	-	0.72	1.0'±
14	COM	4"	-	5.25	5.3'±
15	FM	6"	-	2.97	2.8'±

- NOTES:**
- ALL CONFLICTS HAVE BEEN NUMBERED AND LABELED. SEE WATERMAIN CROSSING TABLE ON THIS SHEET. FOR CROSSINGS OF THE PROPOSED WATERMAIN OVER AN EXISTING UTILITY, THE TOP OF PIPE IS GIVEN FOR THE UTILITY. FOR CROSSINGS OF THE PROPOSED WATERMAIN UNDER AN EXISTING UTILITY, THE BOTTOM OF PIPE IS GIVEN FOR THE UTILITY. ALL AC WM THAT IS CUT OUT TO MAKE CONNECTIONS SHALL BE PROPERLY BAGGED AND DISPOSED OF IN ACCORDANCE WITH LATEST AC MATERIAL DISPOSAL GUIDELINES.
  - NO AC PIPE THAT IS CUT FOR CONNECTIONS OR TO MAKE GROUT FILL CONNECTIONS WILL BE CRUSHED AND LEFT IN THE TRENCH. CONFIGURATION OF EXISTING WATER UTILITIES ON SOUTHEAST SIDE OF BRIDGE ARE APPROXIMATE, CONTRACTOR TO FIELD VERIFY.
  - CONTRACTOR TO COORDINATE WITH V.O.T. FIRE DEPARTMENT AND OWNERS FOR ALARMS ON FIRE DETECTORS CHECKS WHEN WORKING ON FIRE LINES.
  - ALL EXIST. VALVES ON FIRE LINES BEFORE FIRE DETECTOR CHECKS TO BE REPLACED WITH NEW VALVES.
  - ALL SERVICES MUST HAVE NEW PARTS FROM THE WATER MAIN TO THE DOWNSTREAM SIDE OF THE WATER METER (E.G. NEW SADDLES, CORPORATIONS, PIPING, FITTINGS, BALL VALVES, CHECK VALVES, METER BOXES AND LIDS).



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**WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT**

PREPARED FOR  
**VILLAGE OF TEQUESTA**

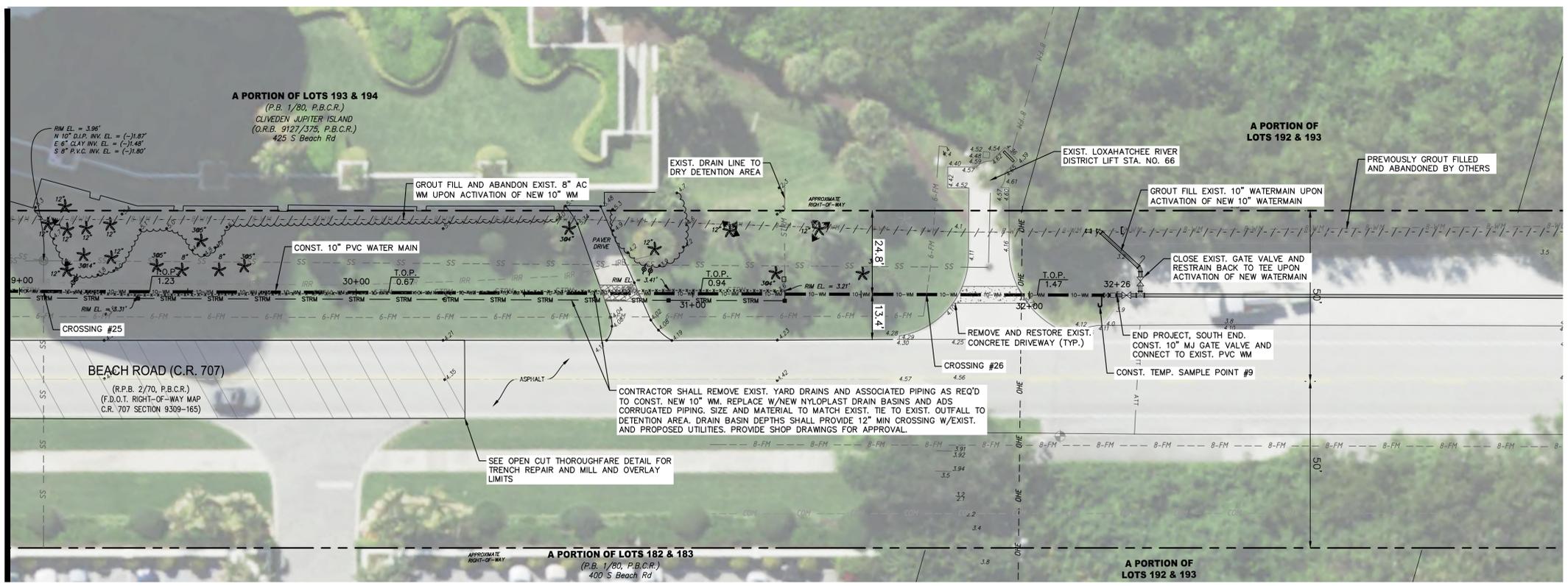
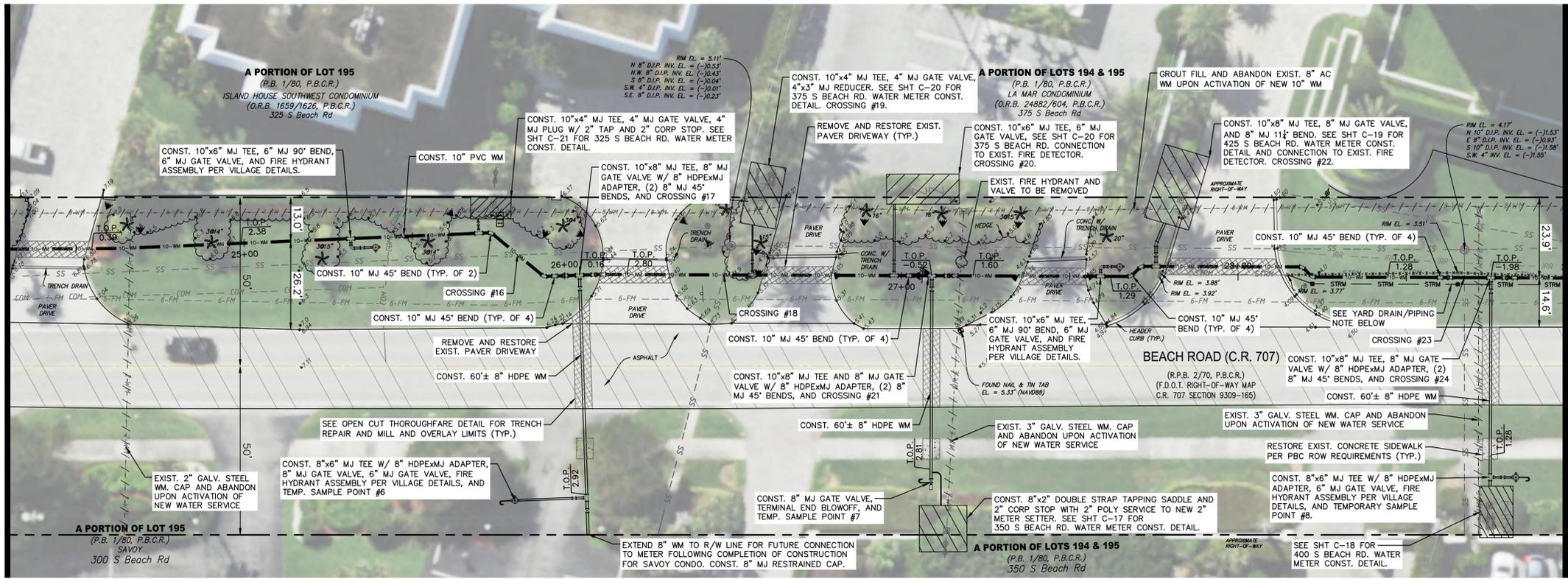
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THOMAS C. JENSEN, P.E.  
FLORIDA LICENSE NUMBER  
37290

SHEET NUMBER  
**C-6**

Plotted By: Muechebeter, Mark  
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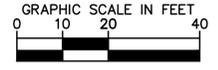
MATCH LINE C-6

SEE ABOVE PLAN VIEW



SEE BELOW PLAN VIEW

- NOTES:**
- ALL CONFLICTS HAVE BEEN NUMBERED AND LABELED. SEE WATERMAIN CROSSING TABLE ON THIS SHEET. FOR CROSSINGS OF THE PROPOSED WATERMAIN OVER AN EXISTING UTILITY, THE TOP OF PIPE IS GIVEN FOR THE UTILITY. FOR CROSSINGS OF THE PROPOSED WATERMAIN UNDER AN EXISTING UTILITY, THE BOTTOM OF PIPE IS GIVEN FOR THE UTILITY.
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  - NO AC PIPE THAT IS CUT FOR CONNECTIONS OR TO MAKE GROUT FILL CONNECTIONS WILL BE CRUSHED AND LEFT IN THE TRENCH. CONTRACTOR TO COORDINATE WITH V.O.T. FIRE DEPARTMENT AND OWNERS FOR ALARMS ON FIRE DETECTORS CHECKS WHEN WORKING ON FIRE LINES.
  - ALL EXIST. VALVES ON FIRE LINES BEFORE FIRE DETECTOR CHECKS TO BE REPLACED WITH NEW VALVES.
  - ALL SERVICES MUST HAVE NEW PARTS FROM THE WATER MAIN TO THE DOWNSTREAM SIDE OF THE WATER METER (E.G. NEW SADDLES, CORPORATIONS, PIPING, FITTINGS, BALL VALVES, CHECK VALVES, METER BOXES AND LIDS).



NUM.	UTILITY	SIZE	T.O.P.	B.O.P	CLR.
16	SS	10"	1.10	-	0.9'±
17	FM	6"	-	1.05	1.0'±
18	SS	8"	0.49	-	0.9'±
19	SS	8"	-0.07	-	1.3'±
20	SS	8"	0.13	-	1.1'±
21	FM	6"	-	0.48	1.0'±
22	SS	8"	-0.49	-	1.1'±
23	SS	8"	-	-0.93	1.0'±
24	FM	6"	-	-0.50	1.5'±
25	SS	6"	-0.94	-	0.5'±
26	FM	6"	-0.37	-	1.0'±

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KHA PROJECT  
 040097031  
 DATE  
 JAN, 2026  
 SCALE AS SHOWN  
 DESIGNED BY SS  
 DRAWN BY M/JM  
 CHECKED BY TCJ

**WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT**  
 PREPARED FOR  
**VILLAGE OF TEQUESTA**  
 FLORIDA

LICENSED PROFESSIONAL  
 THOMAS C. JENSEN, P.E.  
 FLORIDA LICENSE NUMBER  
 37290

**WATER MAIN PLAN**

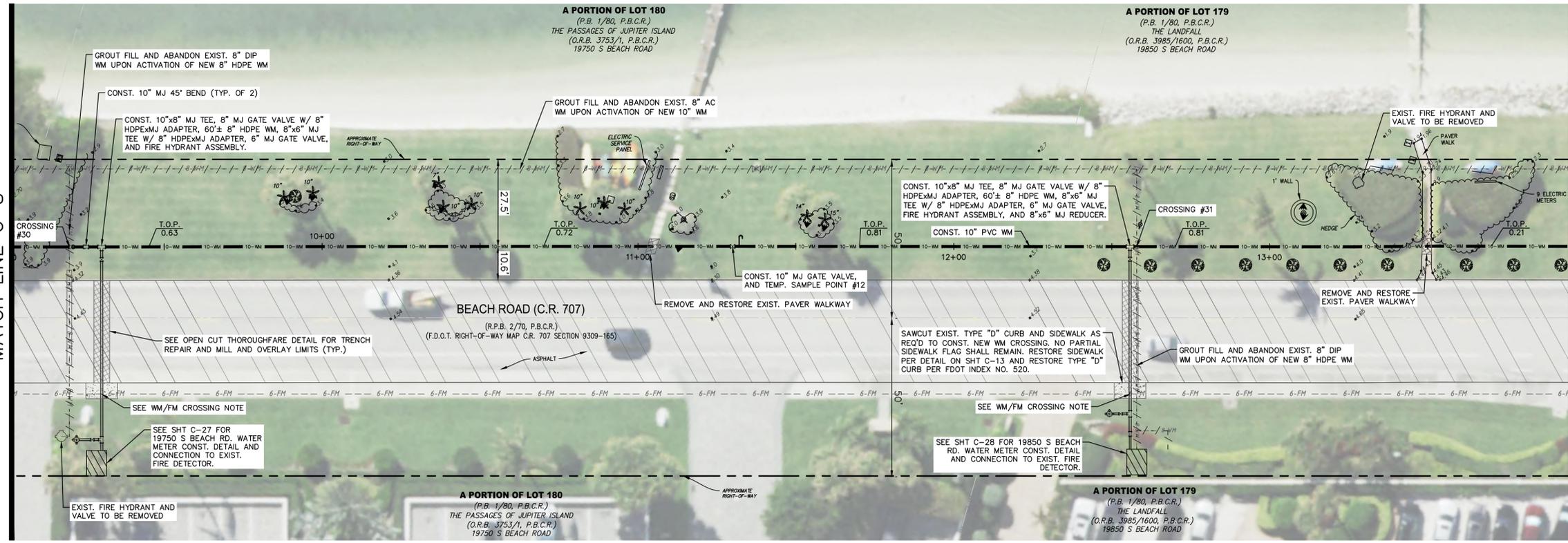
SHEET NUMBER

**C-7**



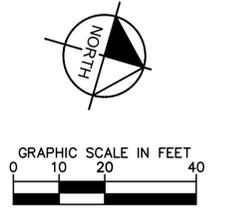
Plotted By: Muechebeter, Mark  
 Sheet Set: Beach Road Water Main Replacement Phase 2 - Layout: C-9 WATER MAIN PLAN January 19, 2026 05:17:46pm  
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MATCH LINE C-8

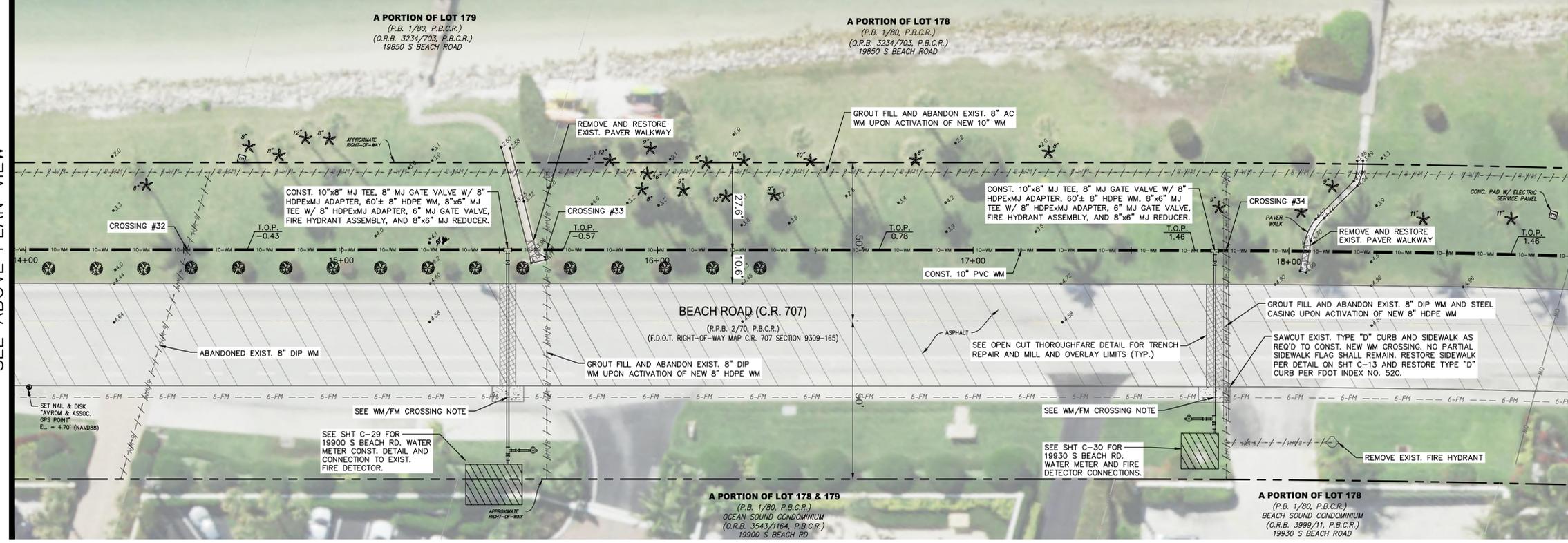


SEE BELOW PLAN VIEW

WATERMAIN CROSSING TABLE					
NUM.	UTILITY	SIZE	T.O.P.	B.O.P.	CLR.
30	WM	8"	-	-0.13	1.3'±
31	WM	8"	-0.07	-	0.1'±
32	WM	6"	-	0.12	0.5'±
33	WM	8"	-	-0.05	0.5'±
34	WM	8"	0.45	-	0.2'±



SEE ABOVE PLAN VIEW



MATCH LINE C-10

**WM/FM CROSSING NOTE:**  
 AT ALL CROSSINGS OF NEW 8" HDPE WM W/EXIST. 6" FM, ELEVATION OF WM SHALL BE ADJUSTED AS REQ'D TO MAINTAIN 12" MIN VERT. CLEARANCE.

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KHA PROJECT 040097031  
 DATE JAN. 2026  
 SCALE AS SHOWN  
 DESIGNED BY SS  
 DRAWN BY M.J.M.  
 CHECKED BY T.C.J.

**WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT**

PREPARED FOR  
**VILLAGE OF TEQUESTA** FLORIDA

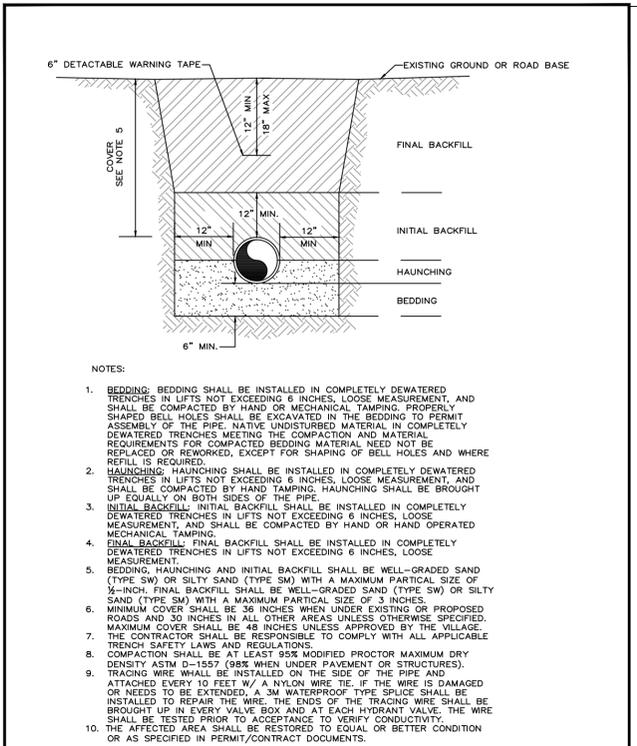
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**WATER MAIN PLAN**

SHEET NUMBER **C-9**

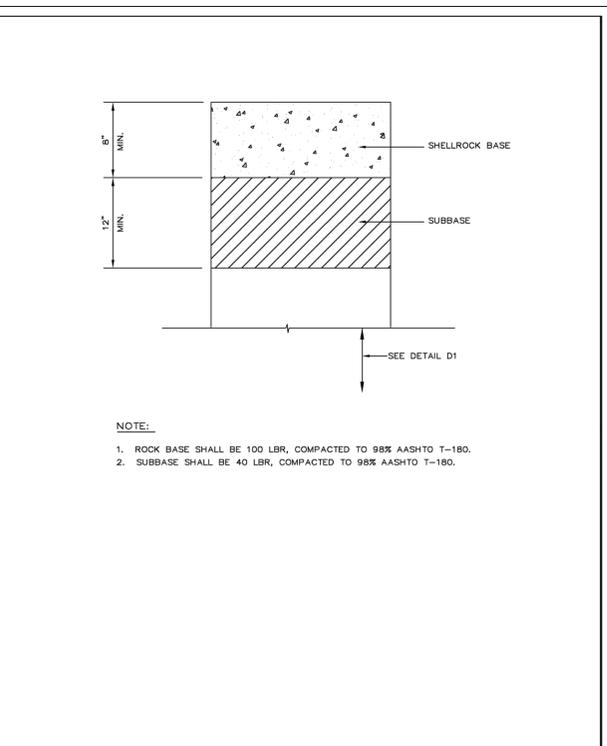


Plotted By: Muechechete, Mark. Sheet: Set: Beach Road Water Main Replacement Phase 2 - Layout: C-11 VILLAGE STANDARD DETAILS. January 19, 2026 05:18:03pm. K:\WPB\_Civil\040097031 - Beach Road WM - Phase 2\CADD\PlanSheets\C-11 VILLAGE STANDARD DETAILS.dwg. This document together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of any improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



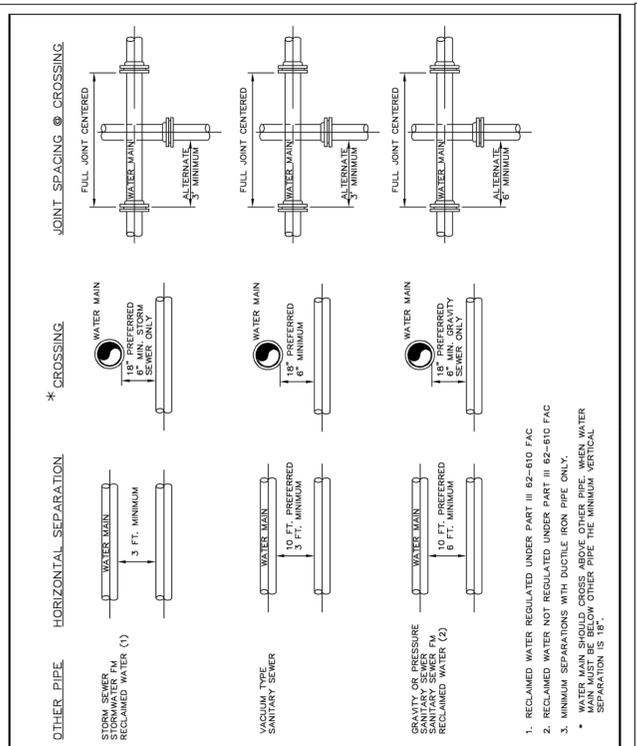
- NOTES:
1. BEDDING: BEDDING SHALL BE INSTALLED IN COMPLETELY DEWATERED TRENCHES IN LIFTS NOT EXCEEDING 6 INCHES. LOOSE MEASUREMENT AND SHALL BE COMPACTED BY HAND OR MECHANICAL TAMPING. PROPERLY SHAPED BELL HOLES SHALL BE EXCAVATED IN THE BEDDING TO PERMIT ASSEMBLY OF THE PIPE. NATIVE UNDISTURBED MATERIAL IN COMPLETELY DEWATERED TRENCHES MEETING THE COMPACTION AND MATERIAL REQUIREMENTS FOR COMPACTED BEDDING MATERIAL NEED NOT BE REPLACED OR REWORKED, EXCEPT FOR SHAPING OF BELL HOLES AND WHERE REFILL IS REQUIRED.
  2. HAUNCHING: HAUNCHING SHALL BE INSTALLED IN COMPLETELY DEWATERED TRENCHES IN LIFTS NOT EXCEEDING 6 INCHES. LOOSE MEASUREMENT AND SHALL BE COMPACTED BY HAND TAMPING. HAUNCHING SHALL BE BROUGHT UP EQUALLY ON BOTH SIDES OF THE PIPE.
  3. INITIAL BACKFILL: INITIAL BACKFILL SHALL BE INSTALLED IN COMPLETELY DEWATERED TRENCHES IN LIFTS NOT EXCEEDING 6 INCHES. LOOSE MEASUREMENT AND SHALL BE COMPACTED BY HAND OR HAND OPERATED MECHANICAL TAMPING.
  4. FINAL BACKFILL: FINAL BACKFILL SHALL BE INSTALLED IN COMPLETELY DEWATERED TRENCHES IN LIFTS NOT EXCEEDING 6 INCHES. LOOSE MEASUREMENT.
  5. BEDDING, HAUNCHING AND INITIAL BACKFILL SHALL BE WELL-GRADED SAND (TYPE SW) OR SILTY SAND (TYPE SM) WITH A MAXIMUM PARTICAL SIZE OF 1/2-INCH. FINAL BACKFILL SHALL BE WELL-GRADED SAND (TYPE SW) OR SILTY SAND (TYPE SM) WITH A MAXIMUM PARTICAL SIZE OF 3 INCHES.
  6. MINIMUM COVER SHALL BE 36 INCHES WHEN UNDER PROPOSED ROADS AND 30 INCHES IN ALL OTHER AREAS UNLESS OTHERWISE SPECIFIED. MAXIMUM COVER SHALL BE 48 INCHES UNLESS APPROVED BY THE VILLAGE. THE CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH ALL APPLICABLE TRENCH SAFETY LAWS AND REGULATIONS.
  7. COMPACTION SHALL BE AT LEAST 98% MODIFIED PROCTOR MAXIMUM DRY DENSITY ASTM D-1557 (98% WHEN UNDER PAVEMENT OR STRUCTURES).
  8. TRACING WIRE SHALL BE INSTALLED ON THE SIDE OF THE PIPE AND ATTACHED EVERY 10 FEET W/ A NYLON WIRE TIE. IF THE WIRE IS DAMAGED OR NEEDS TO BE EXTENDED, A 3M WATERPROOF TYPE SPLICE SHALL BE INSTALLED TO REPAIR THE WIRE. THE ENDS OF THE TRACING WIRE SHALL BE BROUGHT UP IN EVERY VALVE BOX AND AT EACH HYDRANT VALVE. THE WIRE SHALL BE TESTED PRIOR TO ACCEPTANCE TO VERIFY CONDUCTIVITY.
  9. THE AFFECTED AREA SHALL BE RESTORED TO EQUAL OR BETTER CONDITION OR AS SPECIFIED IN PERMIT/CONTRACT DOCUMENTS.

VOT CONSTRUCTION STANDARDS & DETAILS  
 REVISION PAGE No. D1  
 TYPICAL TRENCH DETAIL  
 SEPT. 2019



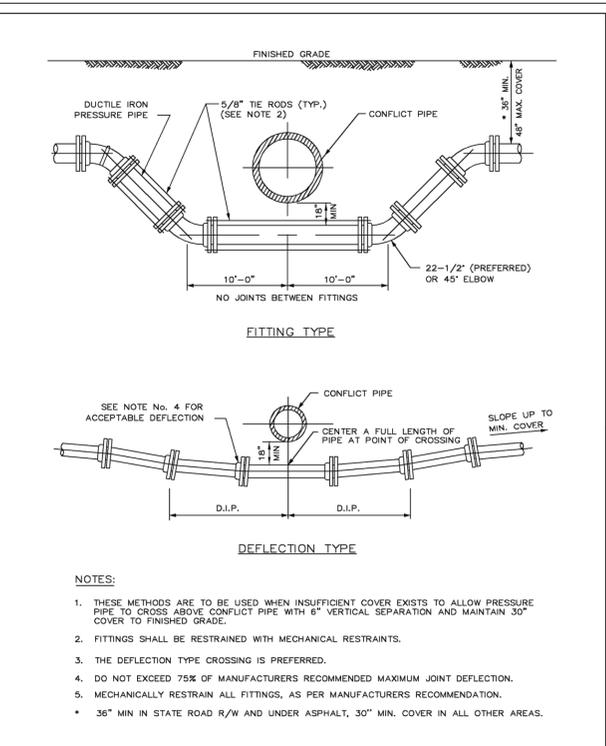
- NOTE:
1. ROCK BASE SHALL BE 100 LBR, COMPACTED TO 98% AASHTO T-180.
  2. SUBBASE SHALL BE 40 LBR, COMPACTED TO 98% AASHTO T-180.

VOT CONSTRUCTION STANDARDS & DETAILS  
 REVISION PAGE No. D3  
 SHELLROCK ROAD / DRIVEWAY REPLACEMENT DETAIL  
 SEPT. 2019



1. RECLAIMED WATER REGULATED UNDER PART III 62-610 FAC
2. RECLAIMED WATER NOT REGULATED UNDER PART III 62-610 FAC
3. MINIMUM SEPARATIONS WITH DUCTILE IRON PIPE ONLY.
  - WATER MAIN SHOULD CROSS ABOVE OTHER PIPE WHEN WATER MAIN MUST BE BELOW OTHER PIPE THE MINIMUM VERTICAL SEPARATION IS 18"

VOT CONSTRUCTION STANDARDS & DETAILS  
 REVISION PAGE No. D5  
 WATERMAIN - SANITARY SEWER CONFLICT DETAIL  
 SEPT. 2019



- NOTES:
1. THESE METHODS ARE TO BE USED WHEN INSUFFICIENT COVER EXISTS TO ALLOW PRESSURE PIPE TO CROSS ABOVE CONFLICT PIPE WITH 6" VERTICAL SEPARATION AND MAINTAIN 30" COVER TO FINISHED GRADE.
  2. FITTINGS SHALL BE RESTRAINED WITH MECHANICAL RESTRAINTS.
  3. THE DEFLECTION TYPE CROSSING IS PREFERRED.
  4. DO NOT EXCEED 75% OF MANUFACTURERS RECOMMENDED MAXIMUM JOINT DEFLECTION.
  5. MECHANICALLY RESTRAIN ALL FITTINGS, AS PER MANUFACTURERS RECOMMENDATION.
  - 36" MIN IN STATE ROAD R/W AND UNDER ASPHALT, 30" MIN. COVER IN ALL OTHER AREAS.

VOT CONSTRUCTION STANDARDS & DETAILS  
 REVISION PAGE No. D6  
 PRESSURE PIPE CONFLICT DETAIL  
 SEPT. 2019

VOT CONSTRUCTION STANDARDS & DETAILS

MIN. LENGTH OF PIPE (FEET) TO BE RESTRAINED

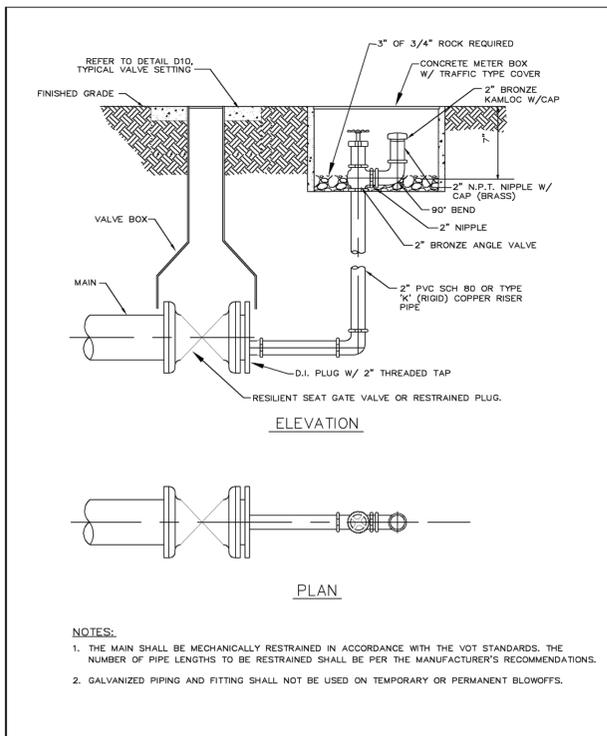
SOURCE: THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE, DIPRA 6TH EDITION, 2006

FITTING TYPE	PIPE SIZE (Ø)													
	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	60"
HORIZ. 90° BEND	18	25	33	39	46	52	58	63	68	80	84	107	119	147
HORIZ. 45° BEND	8	11	14	16	19	22	24	26	29	33	39	49	56	61
HORIZ. 22.5° BEND	4	5	6	7	8	9	10	11	12	14	16	19	22	24
HORIZ. 11.25° BEND	2	3	4	4	5	6	7	8	9	10	11	12	15	15
90° VERT. OFFSET BEND	31	44	58	69	81	92	103	114	124	151	157	202	222	281
45° VERT. OFFSET BEND	18	25	33	39	46	52	58	63	68	80	84	107	119	147
22.5° VERT. OFFSET BEND	9	12	14	16	19	22	24	26	29	33	39	49	56	61
11.25° VERT. OFFSET BEND	4	5	6	7	8	9	10	11	12	14	16	19	22	24
TEE (BRANCH RESTRAINT) (MIN. PIPE LENGTH ALONG TEE RUN = 5)	18	25	33	39	46	52	58	63	68	80	84	107	119	147
REDUCER (LARGER PIPE RESTRAINT)	18	25	33	39	46	52	58	63	68	80	84	107	119	147
PLUG / IN-LINE VALVE	31	44	58	69	81	92	103	114	124	151	157	202	222	281

NOTES:

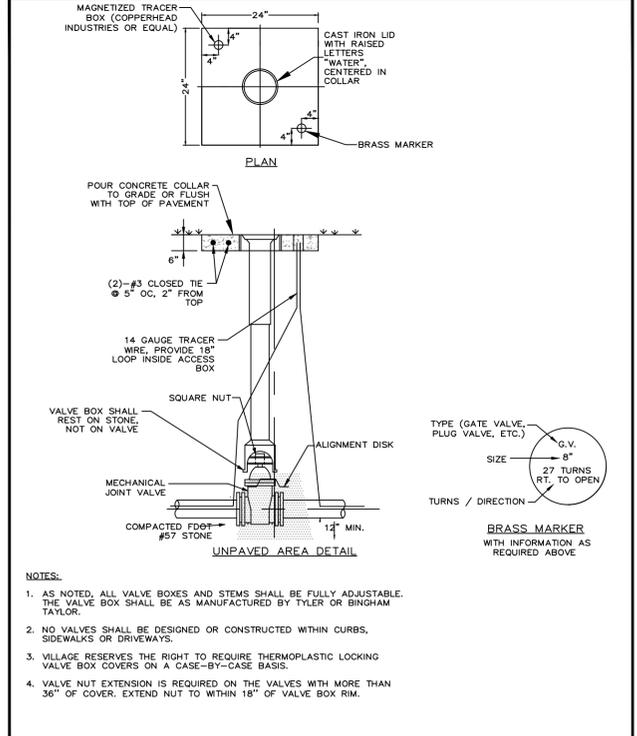
1. THE DATA IN THE ABOVE TABLE ARE BASED UPON THE FOLLOWING INSTALLATION CONDITIONS:  
 SOIL TYPE: SAND DEPTH OF BURIAL: 3 FEET  
 TRENCH TYPE: 2 TEST PRESSURE: 150 PSI  
 SAFETY FACTOR: 1.5  
 MINIMUM PIPE LENGTH ALONG TEE RUN: 5 FEET
2. THE RESTRAINED PIPE LENGTHS APPLY TO DUCTILE IRON PIPE ONLY.
3. RESTRAINED PIPE LENGTHS APPLY TO PIPE ON BOTH SIDES OF VALVES AND FITTINGS.
4. MULTIPLY PIPE LENGTH BY 1.4 FOR POLYETHYLENE ENCASED PIPE.
5. ALL JOINTS BETWEEN UPPER AND LOWER BENDS SHALL BE RESTRAINED.
6. DESIGN ENGINEER IS RESPONSIBLE TO PROPERLY SIZE THE RESTRAINT PIPE LENGTHS FOR THE PROJECT.
7. MINIMUM NUMBER OF JOINTS TO BE RESTRAINED SHALL BE MINIMUM LENGTH AS LISTED ABOVE PLUS ONE FULL LENGTH.

VOT CONSTRUCTION STANDARDS & DETAILS  
 REVISION PAGE No. D7  
 MECHANICAL RESTRAINT TABLE  
 SEPT. 2019



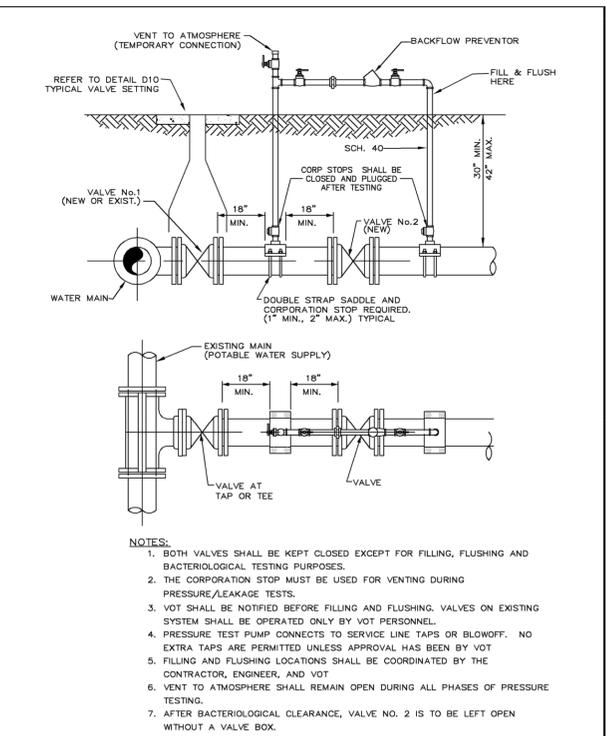
- NOTES:
1. THE MAIN SHALL BE MECHANICALLY RESTRAINED IN ACCORDANCE WITH THE VOT STANDARDS. THE NUMBER OF PIPE LENGTHS TO BE RESTRAINED SHALL BE PER THE MANUFACTURER'S RECOMMENDATIONS.
  2. GALVANIZED PIPING AND FITTING SHALL NOT BE USED ON TEMPORARY OR PERMANENT BLOWOFFS.

VOT CONSTRUCTION STANDARDS & DETAILS  
 REVISION PAGE No. D8  
 TYPICAL TERMINAL END WITH 2" BLOWOFF  
 SEPT. 2019



- NOTES:
1. AS NOTED, ALL VALVE BOXES AND STEMS SHALL BE FULLY ADJUSTABLE. THE VALVE BOX SHALL BE AS MANUFACTURED BY TYLER OR BINGHAM TAYLOR.
  2. NO VALVES SHALL BE DESIGNED OR CONSTRUCTED WITHIN CURBS, SIDEWALKS OR DRIVEWAYS.
  3. VILLAGE RESERVES THE RIGHT TO REQUIRE THERMOPLASTIC LOCKING VALVE BOX COVERS ON A CASE-BY-CASE BASIS.
  4. VALVE NUT EXTENSION IS REQUIRED ON THE VALVES WITH MORE THAN 36" OF COVER. EXTEND NUT TO WITHIN 18" OF VALVE BOX RIM.

VOT CONSTRUCTION STANDARDS & DETAILS  
 REVISION PAGE No. D10  
 TYPICAL VALVE SETTING  
 SEPT. 2019



- NOTES:
1. BOTH VALVES SHALL BE KEPT CLOSED EXCEPT FOR FILLING, FLUSHING AND BACTERIOLOGICAL TESTING PURPOSES.
  2. THE CORPORATION MUST BE USED FOR VENTING DURING PRESSURE/LEAKAGE TESTS.
  3. VOT SHALL BE NOTIFIED BEFORE FILLING AND FLUSHING. VALVES ON EXISTING SYSTEM SHALL BE OPERATED ONLY BY VOT PERSONNEL.
  4. PRESSURE TEST PUMP CONNECTS TO SERVICE LINE TAPS OR BLOWOFF. NO EXTRA TAPS ARE PERMITTED UNLESS APPROVAL HAS BEEN BY VOT.
  5. FILLING AND FLUSHING LOCATIONS SHALL BE COORDINATED BY THE CONTRACTOR, ENGINEER, AND VOT.
  6. VENT TO ATMOSPHERE SHALL REMAIN OPEN DURING ALL PHASES OF PRESSURE TESTING.
  7. AFTER BACTERIOLOGICAL CLEARANCE, VALVE NO. 2 IS TO BE LEFT OPEN WITHOUT A VALVE BOX.

VOT CONSTRUCTION STANDARDS & DETAILS  
 REVISION PAGE No. D11  
 DOUBLE VALVE DETAIL  
 SEPT. 2019

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**Kimley-Horn**

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 PHONE: 561-845-0665 FAX: 561-863-8175  
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT  
 040097031  
 DATE  
 JAN. 2026  
 SCALE AS SHOWN  
 DESIGNED BY SS  
 DRAWN BY M.J.M.  
 CHECKED BY T.C.J.

**WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT**

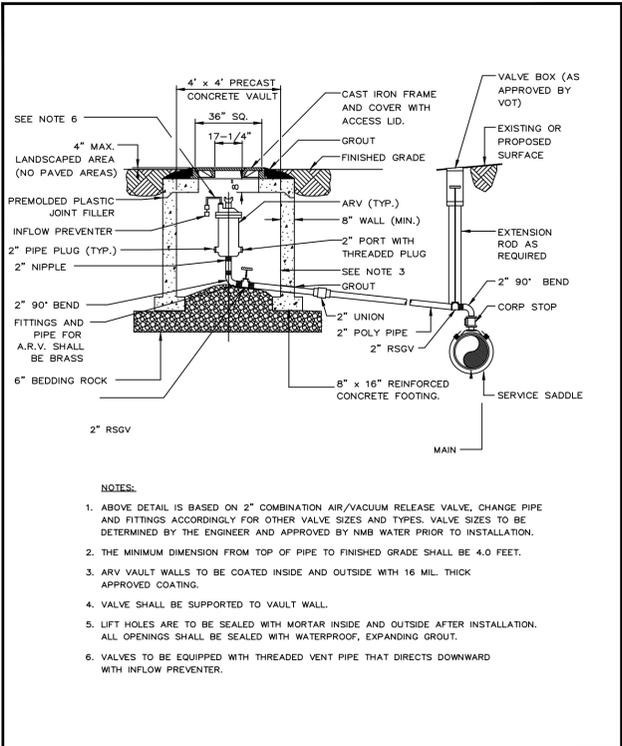
PREPARED FOR  
**VILLAGE OF TEQUESTA**  
 FLORIDA

LICENSED PROFESSIONAL  
 THOMAS C. JENSEN, P.E.  
 FLORIDA LICENSE NUMBER  
 37290

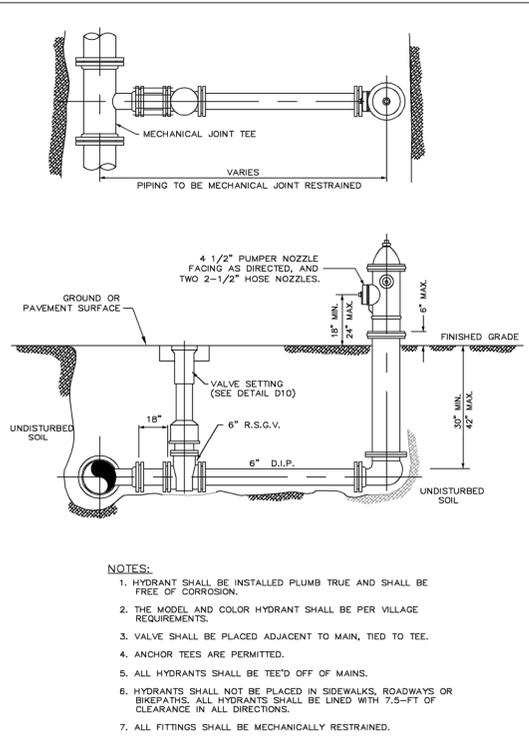
**VILLAGE STANDARD DETAILS**

SHEET NUMBER  
**C-11**

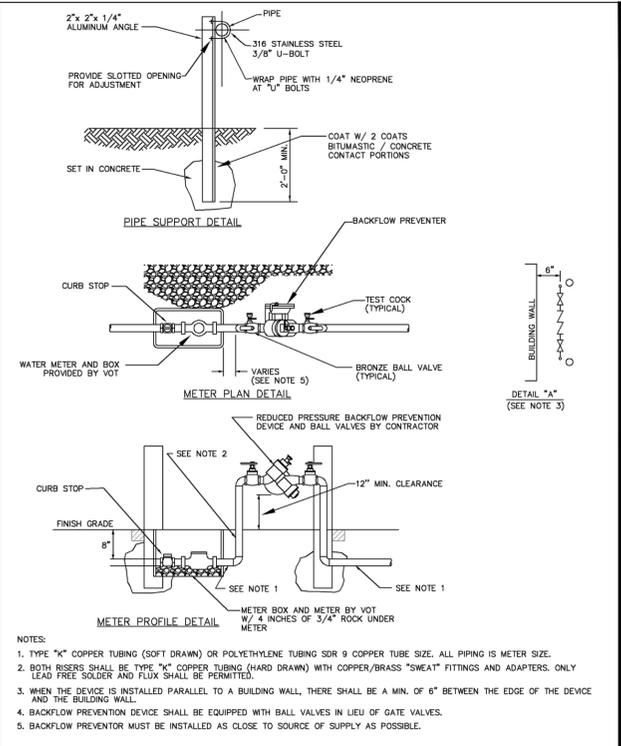
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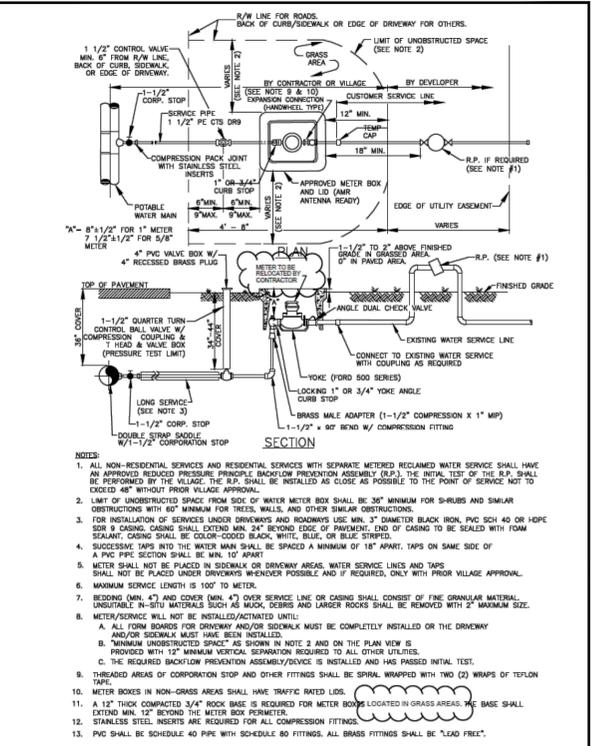
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REVISION	OFFSET AIR RELEASE VALVE (UNDERGROUND WATERMAIN)	PAGE No. D13
SEPT. 2019		



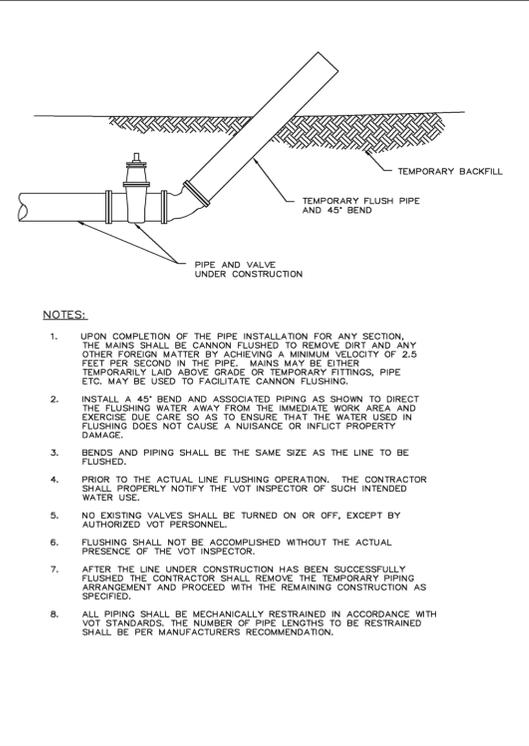
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REVISION	TYPICAL FIRE HYDRANT ASSEMBLY	PAGE No. D14
SEPT. 2019		



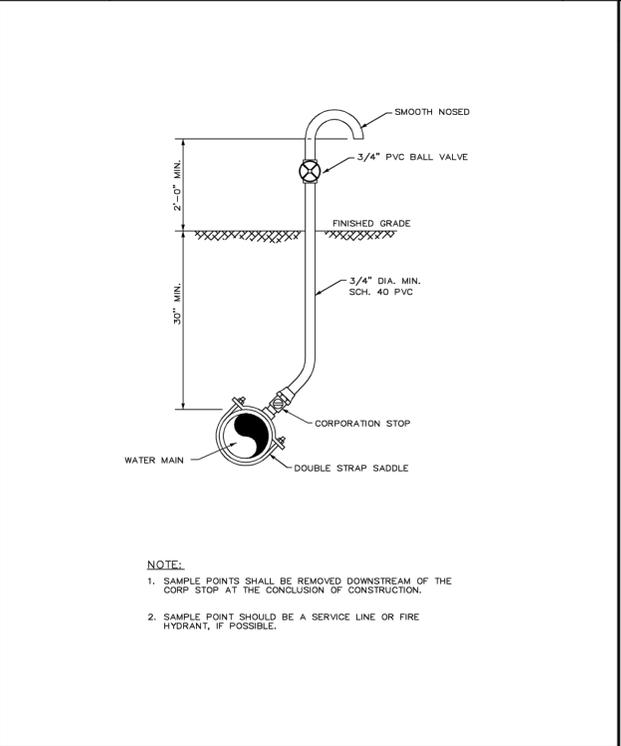
VOT CONSTRUCTION STANDARDS & DETAILS		
REVISION	TYPICAL COMMERCIAL METER / BACKFLOW PREVENTION DETAIL (3/4" TO 2")	PAGE No. D17
SEPT. 2019		



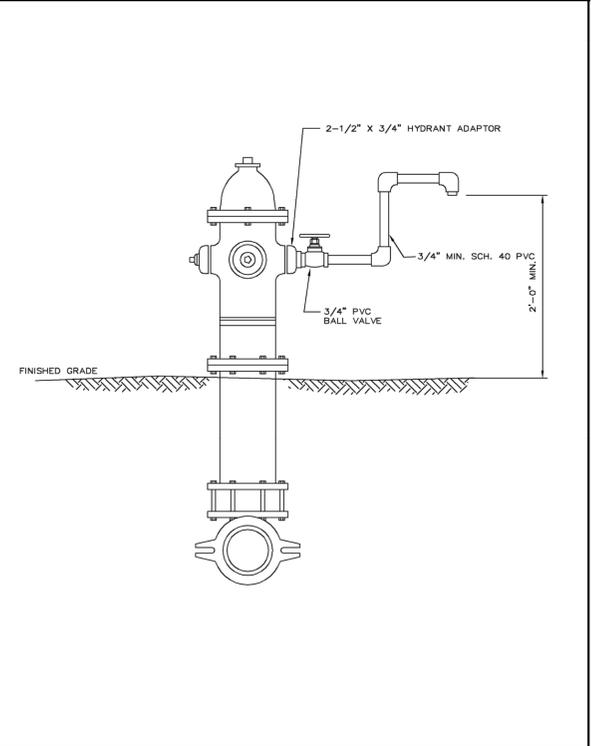
VOT CONSTRUCTION STANDARDS & DETAILS		
REVISION	POTABLE WATER SERVICE SINGLE 5/8" X 3/4" X 1" METER INSTALLATION DETAIL (POLYETHYLENE)	PAGE No. D17
SEPT. 2019		



VOT CONSTRUCTION STANDARDS & DETAILS		
REVISION	CANNON FLUSHING DETAIL/PIG LAUNCH DETAIL	PAGE No. D25
SEPT. 2019		



VOT CONSTRUCTION STANDARDS & DETAILS		
REVISION	SAMPLING POINT (ON MAIN)	PAGE No. D26
SEPT. 2019		



VOT CONSTRUCTION STANDARDS & DETAILS		
REVISION	SAMPLING POINT (ON HYDRANT)	PAGE No. D27
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 PHONE: 561-845-0665 FAX: 561-863-8175  
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT 040097031  
 DATE JAN. 2026  
 SCALE AS SHOWN  
 DESIGNED BY SS  
 DRAWN BY MJM  
 CHECKED BY TCJ

**WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT**

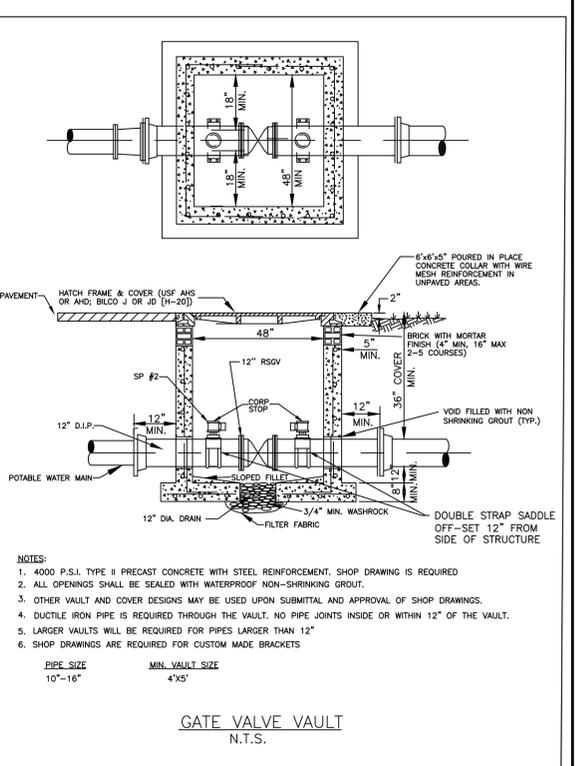
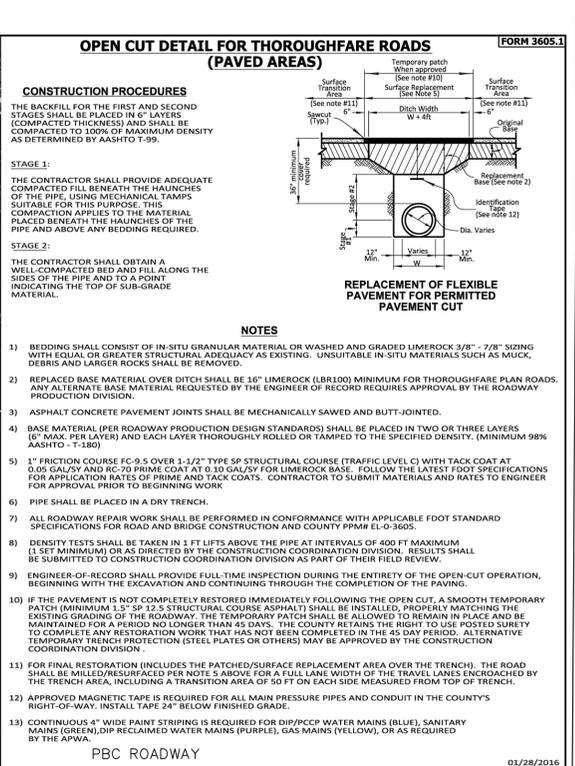
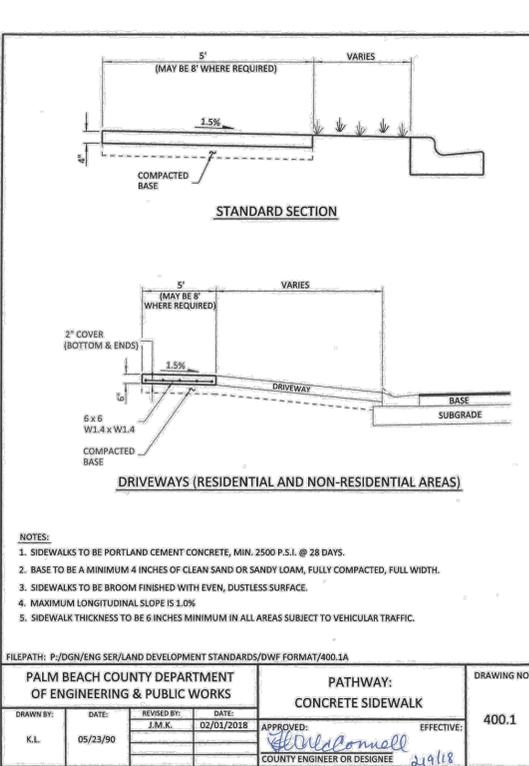
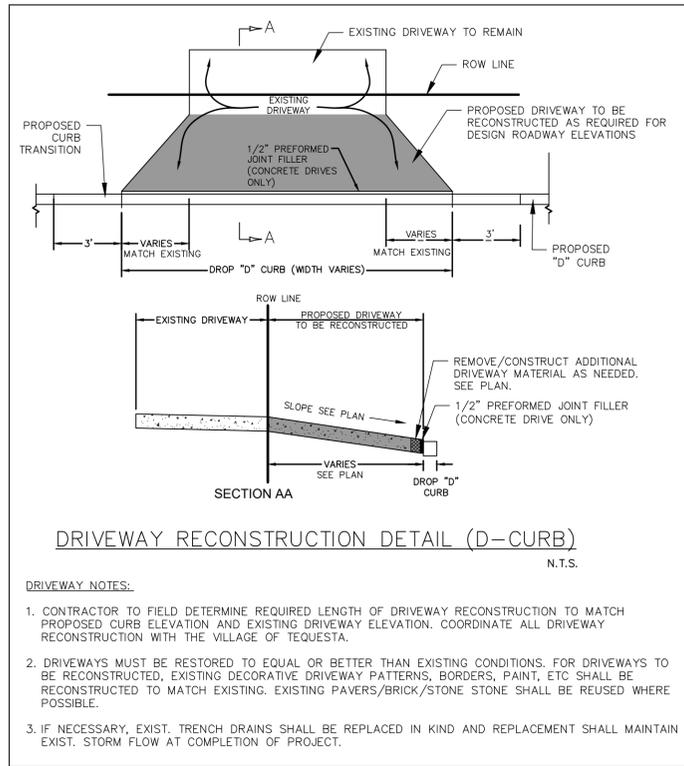
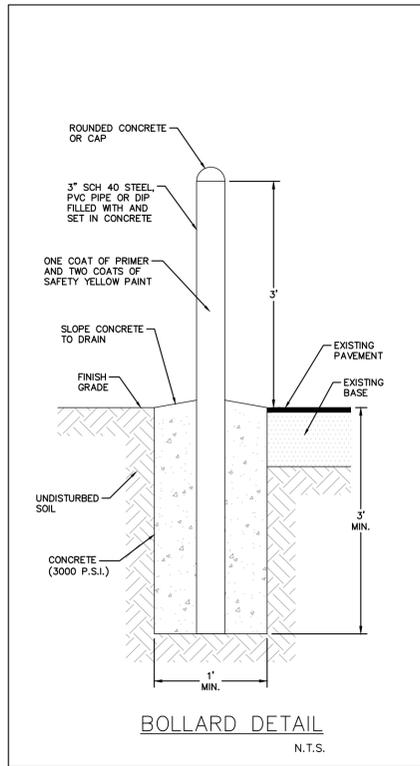
PREPARED FOR  
**VILLAGE OF TEQUESTA**  
 FLORIDA

LICENSED PROFESSIONAL  
 THOMAS C. JENSEN, P.E.  
 FLORIDA LICENSE NUMBER 37290

**VILLAGE STANDARD DETAILS**

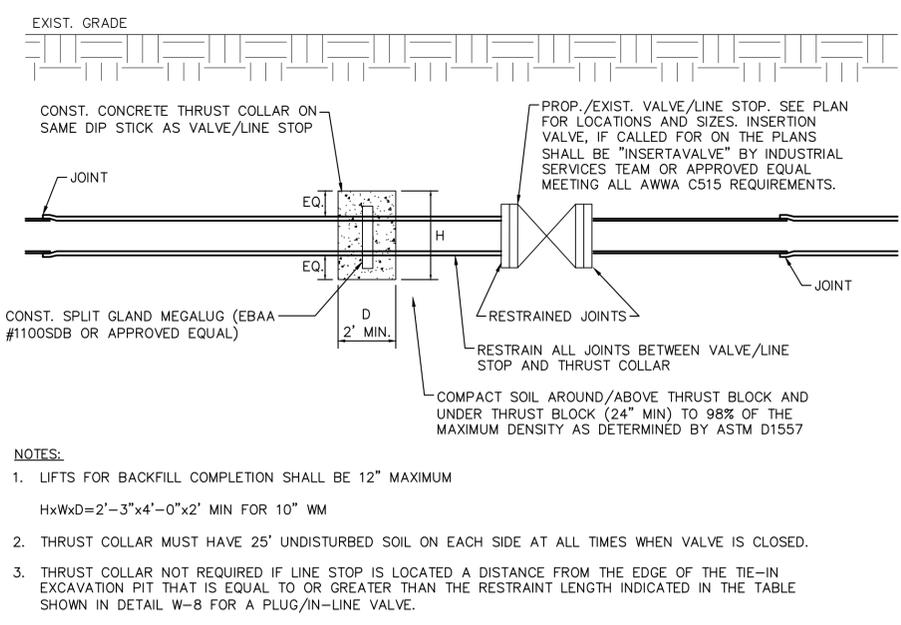
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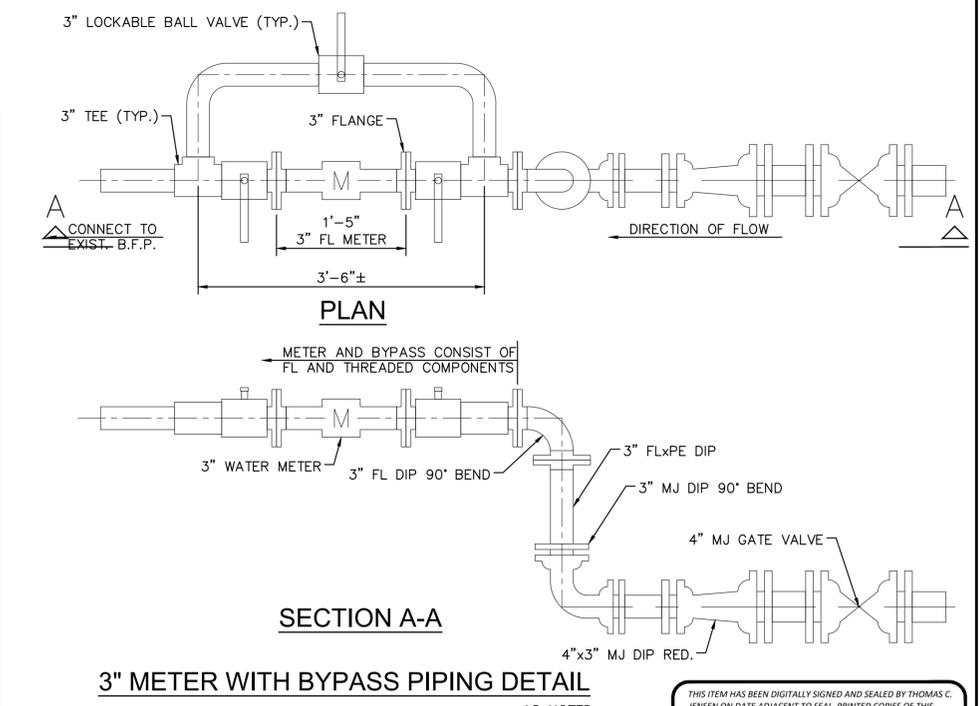
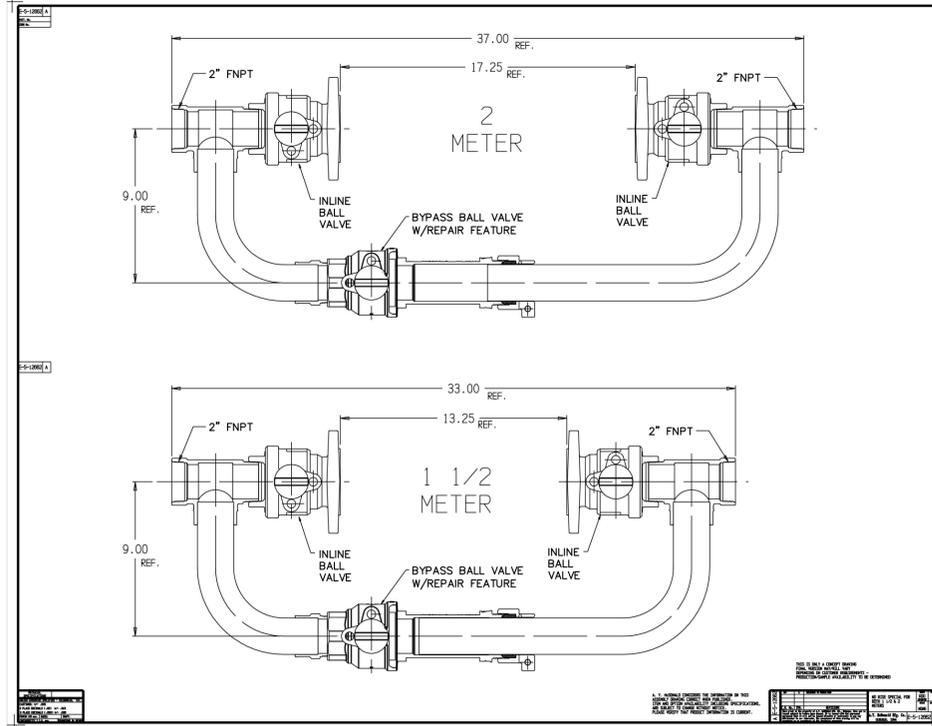


**PIPE COLOR CODING REQUIREMENTS:**

ALL PIPE AND PIPE FITTINGS INSTALLED UNDER THIS PROJECT WILL BE COLOR CODED OR MARKED IN ACCORDANCE WITH SUBPARAGRAPH 62-555.320(21)(B)3, F.A.C., USING BLUE AS A PREDOMINANT COLOR. (UNDERGROUND PLASTIC PIPE WILL BE SOLID-WALL BLUE, WILL HAVE A CO-EXTRUDED BLUE EXTERNAL SKIN, OR WILL BE WHITE OR BLACK PIPE WITH BLUE STRIPES INCORPORATED INTO, OR APPLIED TO, THE PIPE WALL; AND UNDERGROUND METAL OR CONCRETE PIPE WILL HAVE BLUE STRIPES APPLIED TO THE PIPE WALL. PIPE STRIPES DURING MANUFACTURING OF THE PIPE WILL HAVE CONTINUOUS STRIPES THAT RUN PARALLEL TO THE AXIS OF THE PIPE. THAT ARE LOCATED AT NO GREATER THAN 90-DEGREE INTERVALS AROUND THE PIPE, AND THAT WILL REMAIN INTACT DURING AND AFTER INSTALLATION OF THE PIPE. IF TAPE OR PAINT IS USED TO STRIPE PIPE DURING INSTALLATION OF THE PIPE, THE TAPE OR PAINT WILL BE APPLIED IN A CONTINUOUS LINE THAT RUNS PARALLEL TO THE AXIS OF THE PIPE, AND THAT IS LOCATED ALONG THE TOP OF THE PIPE; FOR PIPE WITH AN INTERNAL DIAMETER OF 24 INCHES OR GREATER, TAPE OR PAINT WILL BE APPLIED IN CONTINUOUS LINES ALONG EACH SIDE OF THE PIPE AS WELL AS ALONG THE TOP OF THE PIPE. ABOVEGROUND PIPE WILL BE PAINTED BLUE OR WILL BE COLOR CODED OR MARKED LIKE UNDERGROUND PIPE.) [FAC 62-555.320(21)(B)3]



**THRUST COLLAR FOR IN LINE VALVE / LINE STOP RESTRAINT DETAIL**  
N.T.S.



**3\"/>**

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**KHA PROJECT 040097031**  
DATE JAN. 2026  
SCALE AS SHOWN  
DESIGNED BY SS  
DRAWN BY M.J.M.  
CHECKED BY T.C.J.

**WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT**  
PREPARED FOR VILLAGE OF TEQUESTA FLORIDA

LICENSED PROFESSIONAL  
THOMAS C. JENSEN, P.E.  
FLORIDA LICENSE NUMBER 37290

**CONSTRUCTION DETAILS**

SHEET NUMBER **C-13**

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EXIST. 6" WATERMAIN RUNS WESTWARD UNDER EXIST. WALL

EXIST. 6" FIRE DETECTOR CHECK ASSEMBLY TO REMAIN



EXIST. STORM INLET TO REMAIN

EXIST. STORM INLET TO REMAIN



REMOVE EXIST. CONCRETE METER VAULT AND LID UPON CONNECTION OF NEW ABOVE GROUND METER TO EXIST. BFP ASSEMBLY



EXIST. BFP TO REMAIN

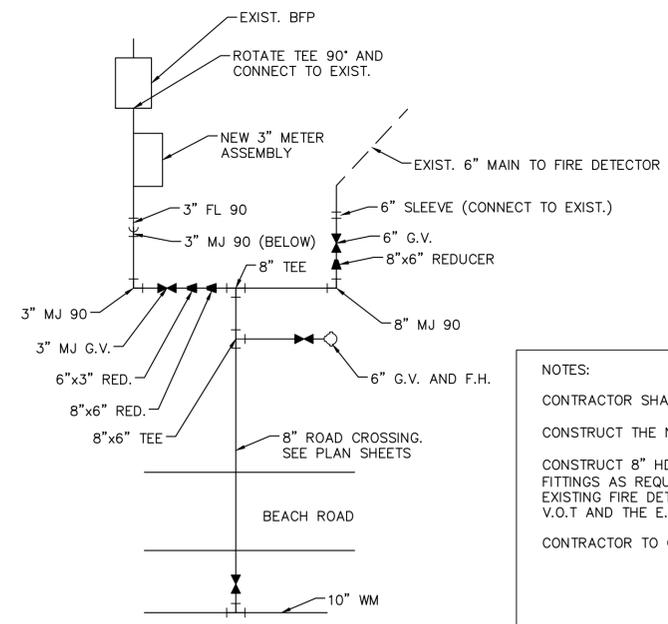
ROTATE EXIST. TEE 90°

EXIST. NEWLY INSTALLED CABLE SERVICE

EXIST. CATV BOX



APPROX. LOCATION OF EXIST. 6" PVC WATERMAIN TO FIRE DETECTOR CHECK ASSEMBLY BEHIND WALL



**NOTES:**

CONTRACTOR SHALL POT HOLE AND IDENTIFY ALL EXISTING UTILITIES AND DRAINAGE IN THE AREA PRIOR TO ANY NEW CONSTRUCTION.

CONSTRUCT THE NEW 8" HDPE WM CROSSING BEACH ROAD.

CONSTRUCT 8" HDPE WM TO 8"x6" MJ TEE W/ 8" HDPExMJ ADAPTER. SEE CONCEPTUAL SKETCH. CONTRACTOR TO FURNISH AND INSTALL ALL NECESSARY PIPE AND FITTINGS AS REQUIRED TO CONNECT TO NEW 3" ABOVE GROUND METER ASSEMBLY, CONNECT TO EXIST. BFP, AND RECONNECT TO EXIST. 6" MAIN UNDER WALL TO EXISTING FIRE DETECTOR CHECK ASSEMBLY. CONTRACTOR SHALL PROVIDE A DRAWING OF THE INTENDED PIPE LAYOUT, FITTINGS AND CONFLICT RESOLUTION TO THE V.O.T AND THE E.O.R. FOR APPROVAL.

CONTRACTOR TO COORDINATE WITH V.O.T. FIRE DEPARTMENT AND OWNER FOR ALARMS ON FIRE DETECTOR CHECK WHEN WORKING ON FIRE LINE.

100 S BEACH ROAD  
OCEAN TOWERS SOUTH

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KHA PROJECT	040097031
DATE	JAN. 2026
SCALE	AS SHOWN
DESIGNED BY	SS
DRAWN BY	MJM
CHECKED BY	TCJ

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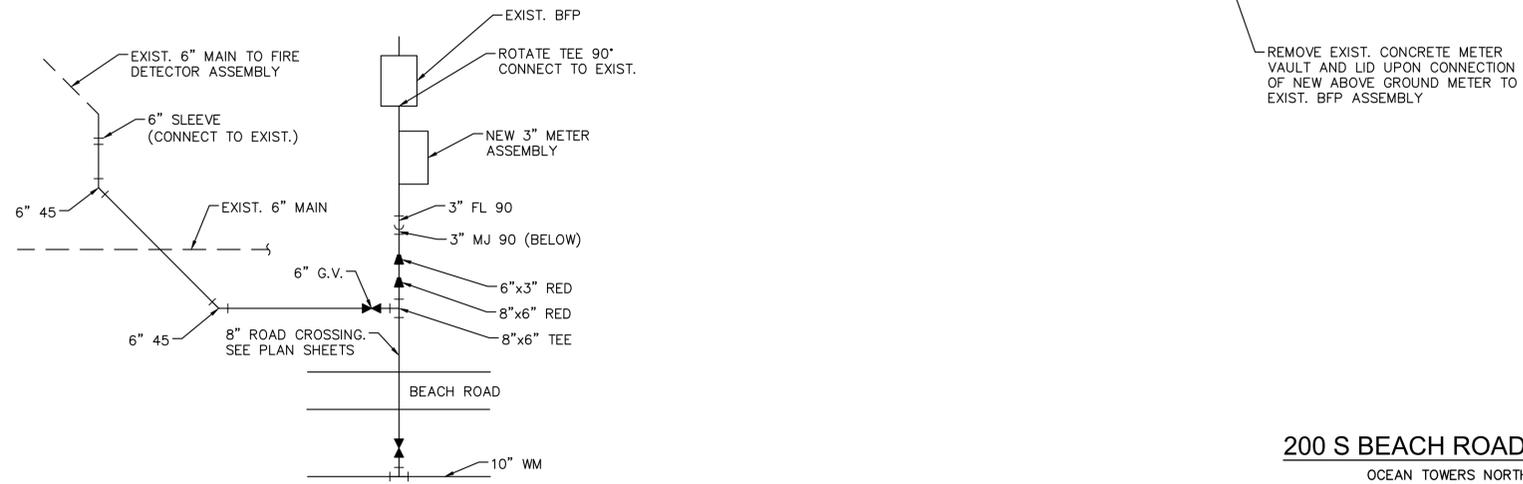
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 THOMAS C. JENSEN, P.E.  
 FLORIDA LICENSE NUMBER  
 37290

**WATER METER DETAILS**

SHEET NUMBER  
**C-14**

Plotted By: Muechehete, Mark  
 Sheet Set: Beach Road Water Main Replacement Phase 2 - Layout: C-15 WATER METER DETAILS - January 19, 2026 05:18:33pm  
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CONTRACTOR TO COORDINATE WITH V.O.T. FIRE DEPARTMENT AND OWNER FOR ALARMS ON FIRE DETECTOR CHECK WHEN WORKING ON FIRE LINE.

200 S BEACH ROAD  
OCEAN TOWERS NORTH

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 PHONE: 561-845-0665 FAX: 561-863-8175  
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT	040097031
DATE	JAN. 2026
SCALE	AS SHOWN
DESIGNED BY	SS
DRAWN BY	MJM
CHECKED BY	TCJ

**WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT**

PREPARED FOR  
**VILLAGE OF TEQUESTA**

TEQUESTA FLORIDA

LICENSED PROFESSIONAL

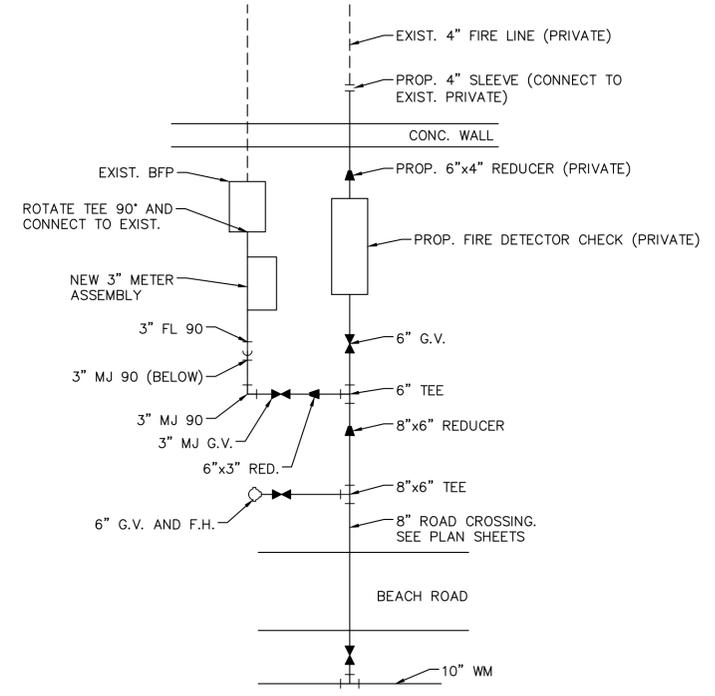
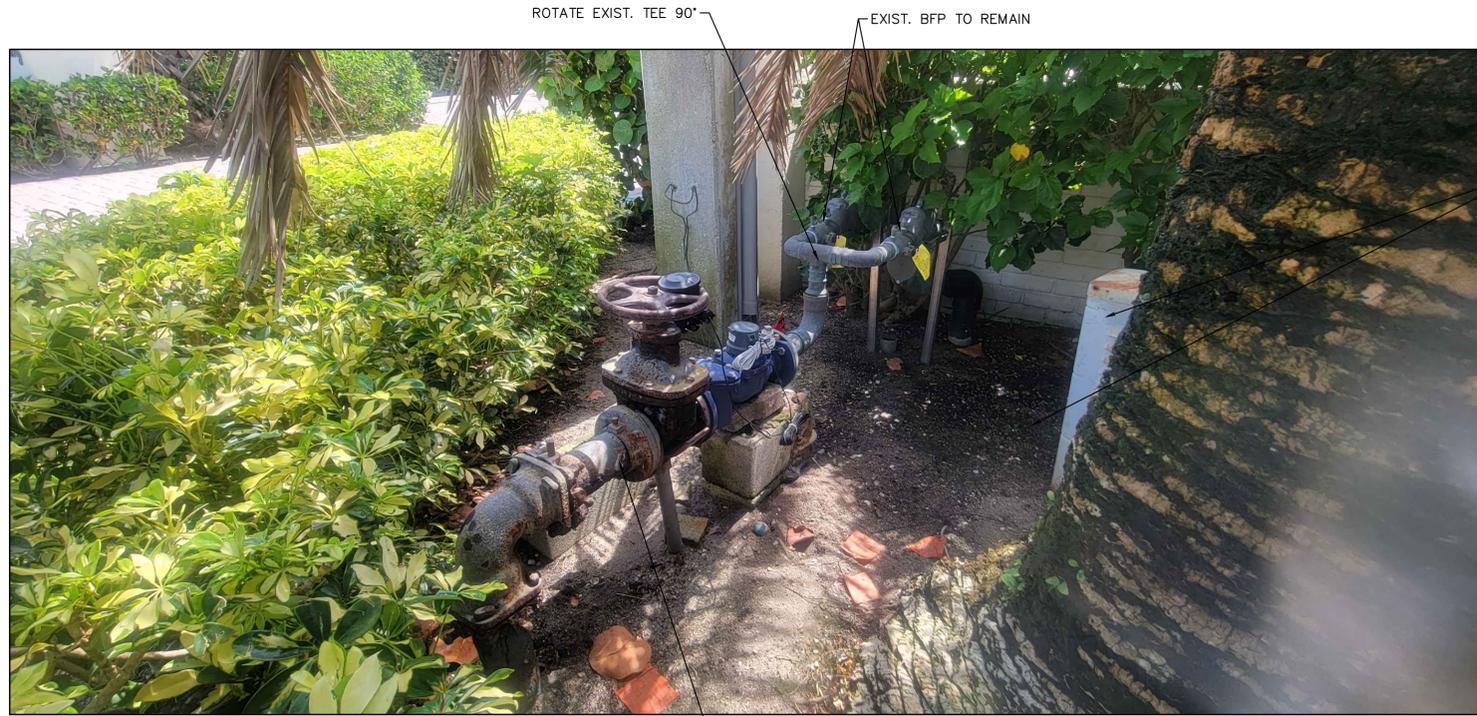
THOMAS C. JENSEN, P.E.

FLORIDA LICENSE NUMBER  
 37290

**WATER METER DETAILS**

SHEET NUMBER  
**C-15**

Plotted By: Muechebeter, Mark Sheet: Set: Beach Road Water Main Replacement Phase 2 Layout: C-16 WATER METER DETAILS January 19, 2026 05:18:33pm K:\WPB\_Civil\040097031 - Beach Road WM - Phase 2\CADD\Plansheets\C-16 WATER METER DETAILS.dwg  
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EXIST. 6" WM TO BE GROUT FILLED AND ABANDONED IN PLACE UPON ACTIVATION OF NEW SERVICES AT 100, 200, AND 250.

THIS ADDRESS DOES NOT CURRENTLY HAVE A DETECTOR CHECK ON THE FIRE LINE LOCATED IN THE R/W. REGENCY CONDO TO PAY FOR PURCHASE AND INSTALLATION OF FIRE DETECTOR CHECK ASSEMBLY.

- NOTES:**
- CONTRACTOR SHALL POT HOLE AND IDENTIFY ALL EXISTING UTILITIES AND DRAINAGE IN THE AREA PRIOR TO ANY NEW CONSTRUCTION.
  - CONSTRUCT THE NEW 8" HDPE WM CROSSING BEACH ROAD.
  - CONSTRUCT 8" HDPE WM TO 8"x6" MJ TEE W/ 8" HDPExMJ ADAPTER. CONTRACTOR TO FURNISH AND INSTALL ALL NECESSARY PIPE AND FITTINGS AS REQUIRED TO CONNECT TO NEW 3" ABOVE GROUND METER ASSEMBLY AND TO RECONNECT TO EXIST. B.F.P. CONST. NEW FIRE HYDRANT IN SIMILAR LOCATION. CONTRACTOR SHALL PROVIDE A DRAWING OF THE INTENDED PIPE LAYOUT, FITTINGS AND CONFLICT RESOLUTION TO THE V.O.T AND THE E.O.R. FOR APPROVAL.
  - EXISTING COMCAST AND FPL ELECTRIC LOCATED ABOVE EXISTING TEQUESTA WATERMAIN. CONTRACTOR TO COORDINATE WITH COMCAST AND FPL TO RELOCATE EXISTING FACILITIES FOR WATER METER AND FIRE LINE UPGRADE.
  - CONTRACTOR TO COORDINATE WITH V.O.T. FIRE DEPARTMENT AND OWNER FOR ALARMS ON FIRE DETECTOR CHECK WHEN WORKING ON FIRE LINE.

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250 S BEACH ROAD  
REGENCY CONDO

No.	REVISIONS	DATE	BY

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**WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT**

PREPARED FOR  
**VILLAGE OF TEQUESTA**

TEQUESTA FLORIDA

LICENSED PROFESSIONAL  
 THOMAS C. JENSEN, P.E.  
 FLORIDA LICENSE NUMBER  
 37290

**WATER METER DETAILS**

SHEET NUMBER  
**C-16**

Plotted By: Muechechete, Mark Sheet: Set: Beach Road Water Main Replacement Phase 2 Layout: C-17 WATER METER DETAILS January 19, 2026 05:18:33pm K:\WPB\_Civil\040097031 - Beach Road WM - Phase 2\CADD\Plansheets\C-14 WATER METER DETAILS.dwg  
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EXIST. BFP BEHIND WALL TO REMAIN



EXIST. 2" METER TO BE REPLACED

EXIST. BFP BEHIND WALL TO REMAIN

**NOTES:**

CONTRACTOR SHALL POT HOLE AND IDENTIFY ALL EXISTING UTILITIES AND DRAINAGE IN THE AREA PRIOR TO ANY NEW CONSTRUCTION.

CONSTRUCT THE NEW 8" HDPE WM CROSSING BEACH ROAD.

CONTRACTOR TO FURNISH AND INSTALL ALL NECESSARY PIPE AND FITTINGS AS REQUIRED TO CONNECT TO NEW 2" ABOVE GROUND METER ASSEMBLY AND TO RECONNECT TO EXIST. PLUMBING IN FRONT OF WALL. EXIST. BFP TO REMAIN BEHIND WALL. CONTRACTOR SHALL PROVIDE A DRAWING OF THE INTENDED PIPE LAYOUT, FITTINGS AND CONFLICT RESOLUTION TO THE V.O.T AND THE E.O.R. FOR APPROVAL.

**350 S BEACH ROAD**  
ISLAND HOUSE NORTHEAST

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KHA PROJECT	040097031
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SCALE	AS SHOWN
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DRAWN BY	MJM
CHECKED BY	TCJ

**WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT**  
PREPARED FOR  
**VILLAGE OF TEQUESTA** FLORIDA

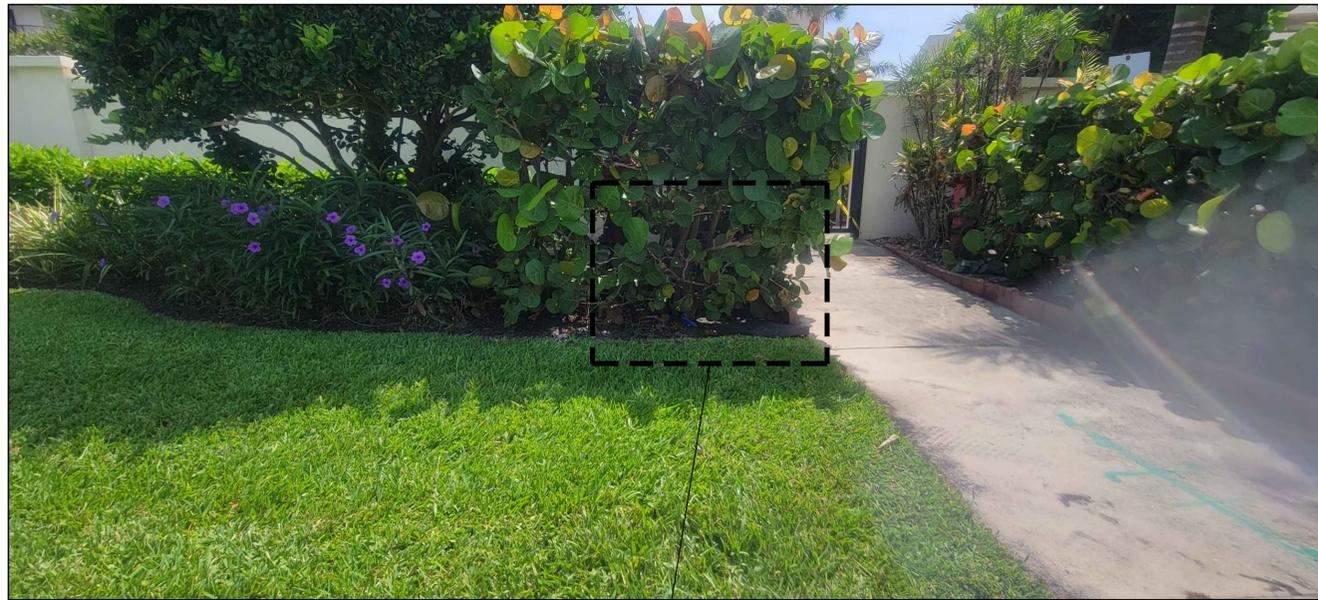
LICENSED PROFESSIONAL  
**THOMAS C. JENSEN, P.E.**  
FLORIDA LICENSE NUMBER  
37290

**WATER METER DETAILS**

SHEET NUMBER

**C-17**

Plotted By: Muechehete, Mark Sheet: Set: Beach Road Water Main Replacement Phase 2 Layout: C-18 WATER METER DETAILS January 19, 2026 05:18:33pm K:\WPB\_Civil\040097031 - Beach Road WM-Phase 2\CADD\Plansheets\C-18 WATER METER DETAILS.dwg  
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EXIST. METER, BFP AND FIRE DETECTOR CHECK ASSEMBLY LOCATED IN HEDGE



EXIST. 6" FIRE DETECTOR CHECK ASSEMBLY TO REMAIN



TRIM/REMOVE ALL VEGETATION AS REQUIRED

REMOVE 90" AND CONNECT TO NEW ABOVE GROUND 3" METER SETTER ASSEMBLY, CONTRACTOR TO CONFIRM EXIST. METER SIZE.

**NOTES:**

- CONTRACTOR SHALL POT HOLE AND IDENTIFY ALL EXISTING UTILITIES AND DRAINAGE IN THE AREA PRIOR TO ANY NEW CONSTRUCTION.
- CONSTRUCT THE NEW 8" HDPE WM CROSSING BEACH ROAD.
- CONSTRUCT 8" HDPE WM TO 8"x6" MJ TEE W/ 8" HDPExMJ ADAPTER. CONTRACTOR TO FURNISH AND INSTALL ALL NECESSARY PIPE AND FITTINGS AS REQUIRED TO CONNECT TO EXIST. 6" FIRE DETECTOR ASSEMBLY, NEW ABOVE GROUND METER ASSEMBLY (SIZE TO BE CONFIRMED), AND TO RECONNECT TO EXIST. B.F.P. CONTRACTOR SHALL PROVIDE A DRAWING OF THE INTENDED PIPE LAYOUT, FITTINGS AND CONFLICT RESOLUTION TO THE V.O.T AND THE E.O.R. FOR APPROVAL.
- CONTRACTOR TO COORDINATE WITH V.O.T. FIRE DEPARTMENT AND OWNER FOR ALARMS ON FIRE DETECTOR CHECK WHEN WORKING ON FIRE LINE.

400 S BEACH ROAD  
TEQUESTA TOWERS

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No.	REVISIONS	DATE	BY

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WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT	040097031
DATE	JAN. 2026
SCALE	AS SHOWN
DESIGNED BY	SS
DRAWN BY	MJM
CHECKED BY	TCJ

**WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT**

PREPARED FOR  
**VILLAGE OF TEQUESTA**

TEQUESTA FLORIDA

LICENSED PROFESSIONAL	THOMAS C. JENSEN, P.E.
FLORIDA LICENSE NUMBER	37290
DATE:	_____

**WATER METER DETAILS**

SHEET NUMBER	C-18
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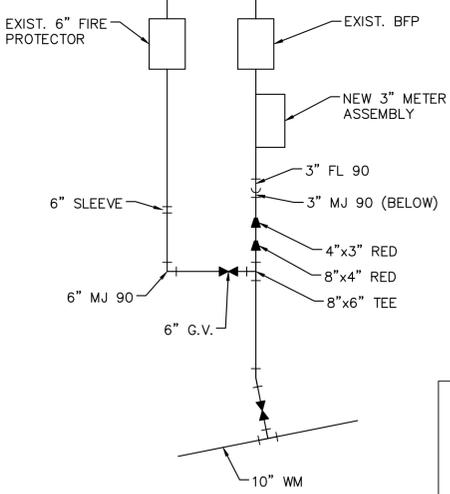
Plotted By: Muechechete, Mark. Sheet Set: Beach Road Water Main Replacement Phase 2. Layout: C-19 WATER METER DETAILS. January 19, 2026. 05:18:35pm. K:\WPB\_CAD\040097031 - Beach Road WM - Phase 2\CADD\Plansheets\C-19 WATER METER DETAILS.dwg. K:\WPB\_CAD\040097031 - Beach Road WM - Phase 2\CADD\Plansheets\C-19 WATER METER DETAILS.dwg. This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of any improper reference on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



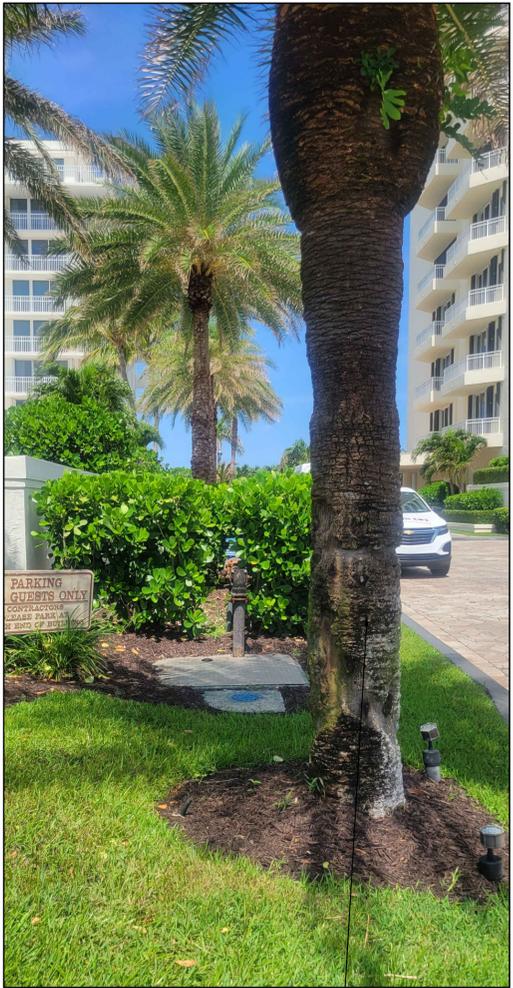
EXIST. 6" FIRE DETECTOR CHECK ASSEMBLY TO REMAIN



EXIST. 3" BFP TO REMAIN



REMOVE EXIST. CONCRETE METER VAULT AND LID UPON CONNECTION OF NEW ABOVE GROUND METER TO EXIST. BFP ASSEMBLY



RELOCATE EXIST. PALM. LOCATION TO BE DIRECTED BY CONDO

NOTES:  
 CONTRACTOR SHALL POT HOLE AND IDENTIFY ALL EXISTING UTILITIES AND DRAINAGE IN THE AREA PRIOR TO ANY NEW CONSTRUCTION.  
 CONSTRUCT 6" C-900 PVC WM TO METER AND DETECTOR LOCATION. CONTRACTOR TO FURNISH AND INSTALL ALL NECESSARY PIPE AND FITTINGS AS REQUIRED TO CONNECT TO NEW 3" ABOVE GROUND METER ASSEMBLY, RECONNECT TO EXIST. 3" B.F.P. AND RECONNECT TO EXIST. 6" FIRE DETECTOR CHECK ASSEMBLY. CONTRACTOR SHALL PROVIDE A DRAWING OF THE INTENDED PIPE LAYOUT, FITTINGS AND CONFLICT RESOLUTION TO THE V.O.T AND THE E.O.R. FOR APPROVAL.  
 CONTRACTOR TO COORDINATE WITH V.O.T. FIRE DEPARTMENT AND OWNER FOR ALARMS ON FIRE DETECTOR CHECK WHEN WORKING ON FIRE LINE.

425 S BEACH ROAD  
CLIVEDEN

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 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT	040097031
DATE	JAN. 2026
SCALE	AS SHOWN
DESIGNED BY	SS
DRAWN BY	MJM
CHECKED BY	TCJ

**WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT**

PREPARED FOR  
**VILLAGE OF TEQUESTA** FLORIDA

LICENSED PROFESSIONAL  
 THOMAS C. JENSEN, P.E.  
 FLORIDA LICENSE NUMBER  
 37290

**WATER METER DETAILS**

SHEET NUMBER  
**C-19**

Plotted By: Muechechete, Mark. Sheet: Set: Beach Road Water Main Replacement Phase 2. Layout: C-20. WATER METER DETAILS - January 19, 2026. 05:18:35pm. K:\WPB\_Civil\040097031 - Beach Road WM-Phase 2\CADD\PlanSheets\C-14. WATER METER DETAILS.dwg  
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REPLACE EXIST. 3" METER ASSEMBLY

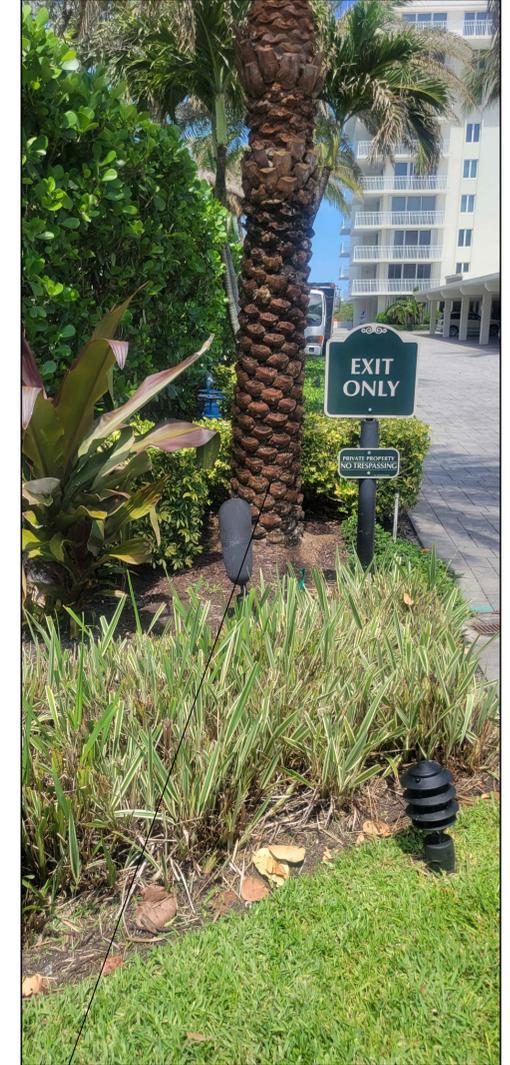


EXIST. 6" FIRE DETECTOR CHECK ASSEMBLY TO REMAIN



EXIST. IRRIGATION VACUUM BREAKER TO REMAIN

EXIST. POTABLE BFP TO REMAIN



RELOCATE EXIST. PALM. LOCATION TO BE DIRECTED BY CONDO

NOTES:

CONTRACTOR SHALL POT HOLE AND IDENTIFY ALL EXISTING UTILITIES AND DRAINAGE IN THE AREA PRIOR TO ANY NEW CONSTRUCTION.

CONSTRUCT 6" C-900 PVC WM TO EXIST. FIRE DETECTOR AND 4" C-900 PVC WM UP TO METER LOCATION. CONTRACTOR TO FURNISH AND INSTALL ALL NECESSARY PIPE AND FITTINGS AS REQUIRED TO CONNECT TO NEW 3" ABOVE GROUND METER ASSEMBLY, RECONNECT TO EXIST. 3" B.F.P. AND RECONNECT TO EXIST. 6" FIRE DETECTOR CHECK ASSEMBLY. CONTRACTOR SHALL PROVIDE A DRAWING OF THE INTENDED PIPE LAYOUT, FITTINGS AND CONFLICT RESOLUTION TO THE V.O.T AND THE E.O.R. FOR APPROVAL.

CONTRACTOR TO COORDINATE WITH V.O.T. FIRE DEPARTMENT AND OWNER FOR ALARMS ON FIRE DETECTOR CHECK WHEN WORKING ON FIRE LINE.

375 S BEACH ROAD  
LA MAR

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**Kimley»Horn**

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 PHONE: 561-845-0665 FAX: 561-863-8175  
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KHA PROJECT	040097031
DATE	JAN. 2026
SCALE	AS SHOWN
DESIGNED BY	SS
DRAWN BY	MJM
CHECKED BY	TCJ

**WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT**

PREPARED FOR  
**VILLAGE OF TEQUESTA**

TEQUESTA FLORIDA

LICENSED PROFESSIONAL  
THOMAS C. JENSEN, P.E.  
FLORIDA LICENSE NUMBER  
37290

**WATER METER DETAILS**

SHEET NUMBER  
**C-20**

Plotted By: Muechechete, Mark Sheet: 325 S Beach Road Water Main Replacement Phase 2 Layout: C-21 WATER METER DETAILS January 19, 2026 05:18:37pm K:\WPB\_Civil\040097031 - Beach Road WM - Phase 2\CADD\PlanSheets\C-14 WATER METER DETAILS.dwg  
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325 S BEACH ROAD  
ISLAND HOUSE SOUTHWEST

NOTES:  
 CONTRACTOR SHALL POT HOLE AND IDENTIFY ALL EXISTING UTILITIES AND DRAINAGE IN THE AREA PRIOR TO ANY NEW CONSTRUCTION.  
 CONSTRUCT NEW 2" ABOVE GROUND METER SETTER AND CONNECT TO EXIST. 2" PIPING UNDER WALL TO EXIST. BFP.

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**WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT**

PREPARED FOR  
**VILLAGE OF TEQUESTA**

TEQUESTA FLORIDA

LICENSED PROFESSIONAL  
 THOMAS C. JENSEN, P.E.  
 FLORIDA LICENSE NUMBER  
 37290

**WATER METER DETAILS**

SHEET NUMBER  
**C-21**

Plotted By: Muechechete, Mark Sheet: 275 S Beach Road Water Main Replacement Phase 2 Layout: C-22 WATER METER DETAILS January 19, 2026 05:18:38pm K:\WPB\_Civil\040097031 - Beach Road WM-Phase 2\CADD\PlanSheets\C-14 WATER METER DETAILS.dwg  
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EXIST. 3" METER TO BE REPLACED WITH NEW ABOVE GROUND 3" METER ASSEMBLY



EXIST. 6" FIRE DETECTOR CHECK ASSEMBLY BEHIND WALL TO REMAIN

EXIST. BFP TO REMAIN. ROTATE EXIST. TEE 90°

NOTES:  
 CONTRACTOR SHALL POT HOLE AND IDENTIFY ALL EXISTING UTILITIES AND DRAINAGE IN THE AREA PRIOR TO ANY NEW CONSTRUCTION.  
 CONSTRUCT NEW 3" ABOVE GROUND METER SETTER AND CONNECT TO EXIST. 3" PIPING UNDER WALL TO EXIST. BFP.  
 CONTRACTOR TO FURNISH AND INSTALL ALL NECESSARY PIPE AND FITTINGS AS REQUIRED TO CONNECT TO EXIST 6" FIRE DETECTOR CHECK ASSEMBLY BEHIND WALL. CONNECTION TO EXIST. 6" LINE TO BE MADE IN FRONT OF WALL.  
 CONTRACTOR TO COORDINATE WITH V.O.T. FIRE DEPARTMENT AND OWNER FOR ALARMS ON FIRE DETECTOR CHECK WHEN WORKING ON FIRE LINE.

275 S BEACH ROAD  
SEAMIST

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**WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT**

PREPARED FOR  
**VILLAGE OF TEQUESTA** FLORIDA

LICENSED PROFESSIONAL  
 THOMAS C. JENSEN, P.E.  
 FLORIDA LICENSE NUMBER  
 37290

**WATER METER DETAILS**

SHEET NUMBER  
**C-22**

Plotted By: Muechehete, Mark Sheet: Set: Beach Road Water Main Replacement Phase 2 Layout: C-23 WATER METER DETAILS January 19, 2026 05:18:38pm K:\WPB\_Civil\040097031 - Beach Road WM-Phase 2\CADD\Plansheets\C-14 WATER METER DETAILS.dwg  
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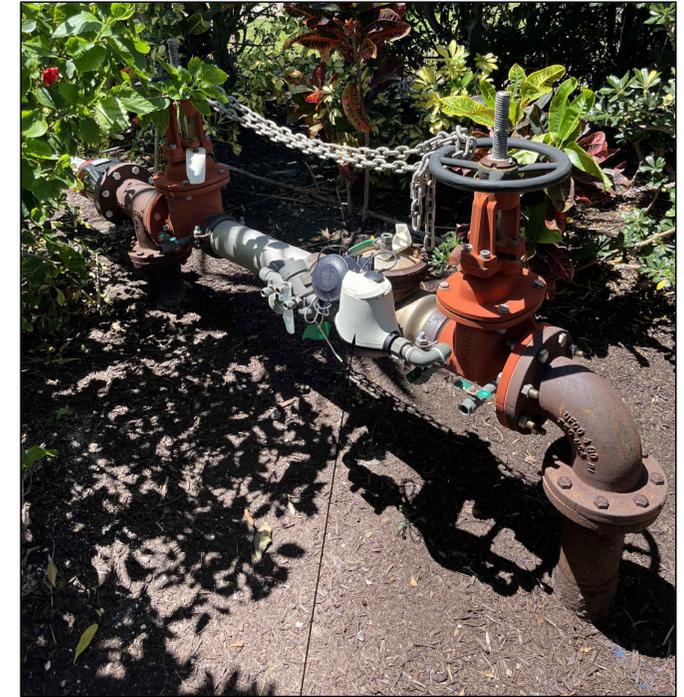


EXIST. 2" BFP TO REMAIN



EXIST. 2" BFP TO REMAIN

REMOVE EXIST. 2" METER AND METER BOX UPON CONNECTION OF NEW ABOVE GROUND 2" METER SETTER TO EXIST. BFP ASSEMBLY



EXIST. 4" FIRE DETECTOR CHECK ASSEMBLY TO REMAIN

NOTES:  
 CONTRACTOR SHALL POT HOLE AND IDENTIFY ALL EXISTING UTILITIES AND DRAINAGE IN THE AREA PRIOR TO ANY NEW CONSTRUCTION.  
 CONSTRUCT NEW 2" ABOVE GROUND METER SETTER AND CONNECT TO EXIST. 2" BFP.  
 CONTRACTOR TO FURNISH AND INSTALL ALL NECESSARY PIPE AND FITTINGS AS REQ'D. TO CONNECT TO EXIST. 4" FIRE DETECTOR CHECK ASSEMBLY.  
 CONTRACTOR TO COORDINATE WITH V.O.T. FIRE DEPARTMENT AND OWNER FOR ALARMS ON FIRE DETECTOR CHECK WHEN WORKING ON FIRE LINE.

225 S BEACH ROAD  
 OCEAN VILLAS

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**WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT**

PREPARED FOR  
**VILLAGE OF TEQUESTA** FLORIDA

LICENSED PROFESSIONAL	THOMAS C. JENSEN, P.E.
FLORIDA LICENSE NUMBER	37290
DATE:	_____

**WATER METER DETAILS**

SHEET NUMBER	<b>C-23</b>
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Plotted By: Mucchechete, Mark  
 Sheet Set: Beach Road Water Main Replacement Phase 2 - Layout: C-24 WATER METER DETAILS - January 19, 2026 05:18:59pm  
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**SOUTH END** - REMOVE EXIST. CONCRETE METER VAULT AND LID UPON CONNECTION TO NEW METER AND NEW BFP



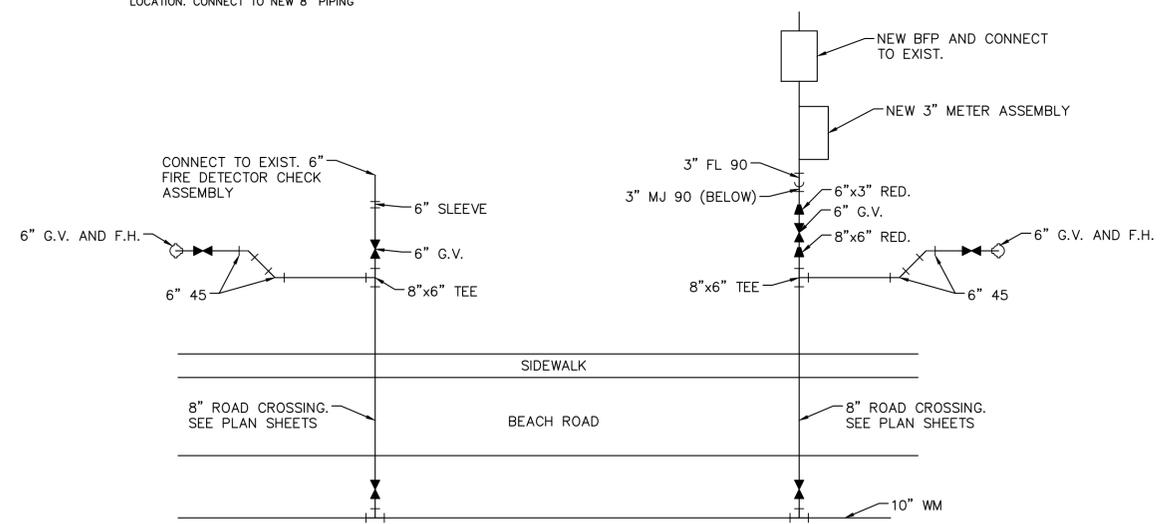
**SOUTH END** - REPLACE EXIST. F.H. ASSEMBLY CLOSE TO EXIST. LOCATION. CONNECT TO NEW 8" PIPING



**NORTH END** - EXIST. FIRE DETECTOR CHECK ASSEMBLY TO REMAIN. CONNECT TO NEW 8" PIPING



**NORTH END** - REPLACE EXIST. F.H. ASSEMBLY CLOSE TO EXIST. LOCATION. CONNECT TO NEW 8" PIPING



THIS ADDRESS DOES NOT CURRENTLY HAVE AN EXIST. BFP ASSEMBLY

**NOTES:**  
 CONTRACTOR SHALL POT HOLE AND IDENTIFY ALL EXISTING UTILITIES AND DRAINAGE IN THE AREA PRIOR TO ANY NEW CONSTRUCTION.  
 CONSTRUCT THE NEW 8" HDPE WM CROSSING BEACH ROAD.  
 CONSTRUCT 8" HDPE WM TO 8"x6" MJ TEE W/ 8" HDPExMJ ADAPTER. SEE CONCEPTUAL SKETCH. CONTRACTOR TO FURNISH AND INSTALL ALL NECESSARY PIPE AND FITTINGS AS REQUIRED TO CONNECT TO NEW 3" ABOVE GROUND METER ASSEMBLY, CONST. NEW 3" BFP AND RECONNECT TO EXIST. 6" FIRE DETECTOR CHECK ASSEMBLY. CONST. NEW FIRE HYDRANT AT EACH ENTRANCE DRIVE. CONTRACTOR SHALL PROVIDE A DRAWING OF THE INTENDED PIPE LAYOUT, FITTINGS AND CONFLICT RESOLUTION TO THE V.O.T AND THE E.O.R. FOR APPROVAL.  
 CONTRACTOR TO COORDINATE WITH V.O.T. FIRE DEPARTMENT AND OWNER FOR ALARMS ON FIRE DETECTOR CHECK WHEN WORKING ON FIRE LINE.

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**19670 S BEACH ROAD**  
SEAWATCH

**Kimley»Horn**

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 1920 WEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411  
 PHONE: 561-845-0665 FAX: 561-863-8175  
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT  
040097031  
 DATE  
JAN. 2026  
 SCALE AS SHOWN  
 DESIGNED BY SS  
 DRAWN BY M.J.M  
 CHECKED BY T.C.J

**WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT**  
 PREPARED FOR  
**VILLAGE OF TEQUESTA** FLORIDA

LICENSED PROFESSIONAL  
 THOMAS C. JENSEN, P.E.  
 FLORIDA LICENSE NUMBER  
 37290

**WATER METER DETAILS**

SHEET NUMBER

**C-24**

No.	REVISIONS	DATE	BY

Plotted By: Muechechete, Mark Sheet: Set: Beach Road Water Main Replacement Phase 2 Layout: C-25 WATER METER DETAILS January 19, 2026 05:18:59pm K:\WPB\_Civil\040097031 - Beach Road WM-Phase 2\CADD\PlanSheets\C-24 WATER METER DETAILS.dwg  
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VIEW 1



VIEW 2



VIEW 3

NOTES:  
 ALL METERS HAVE BEEN REPLACED. CONTRACTOR TO PROVIDE NEW SERVICE OFF NEW 10" WATERMAIN UP TO METER CONNECTION POINT. SEE DETAIL SHEETS.

19669 S BEACH ROAD  
 LYKES LANDING

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No.	REVISIONS	DATE	BY

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KHA PROJECT	040097031
DATE	JAN. 2026
SCALE	AS SHOWN
DESIGNED BY	SS
DRAWN BY	MJM
CHECKED BY	TCJ

**WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT**

PREPARED FOR  
**VILLAGE OF TEQUESTA**

TEQUESTA FLORIDA

LICENSED PROFESSIONAL  
 THOMAS C. JENSEN, P.E.  
 FLORIDA LICENSE NUMBER  
 37290

**WATER METER DETAILS**

SHEET NUMBER  
**C-25**

Plotted By: Muechehete, Mark  
 Sheet: Set: Beach Road Water Main Replacement Phase 2 - Layout: C-26 WATER METER DETAILS - January 19, 2026 05:19:00pm  
 K:\WPB\_Civil\040097031 - Beach Road WM-Phase 2\CADD\PlanSheets\C-24 WATER METER DETAILS.dwg  
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EXIST. 6" FIRE DETECTOR CHECK ASSEMBLY TO REMAIN

REMOVE EXIST. 3" METER AND BOX UPON CONNECTION TO EXIST. 3" BFP



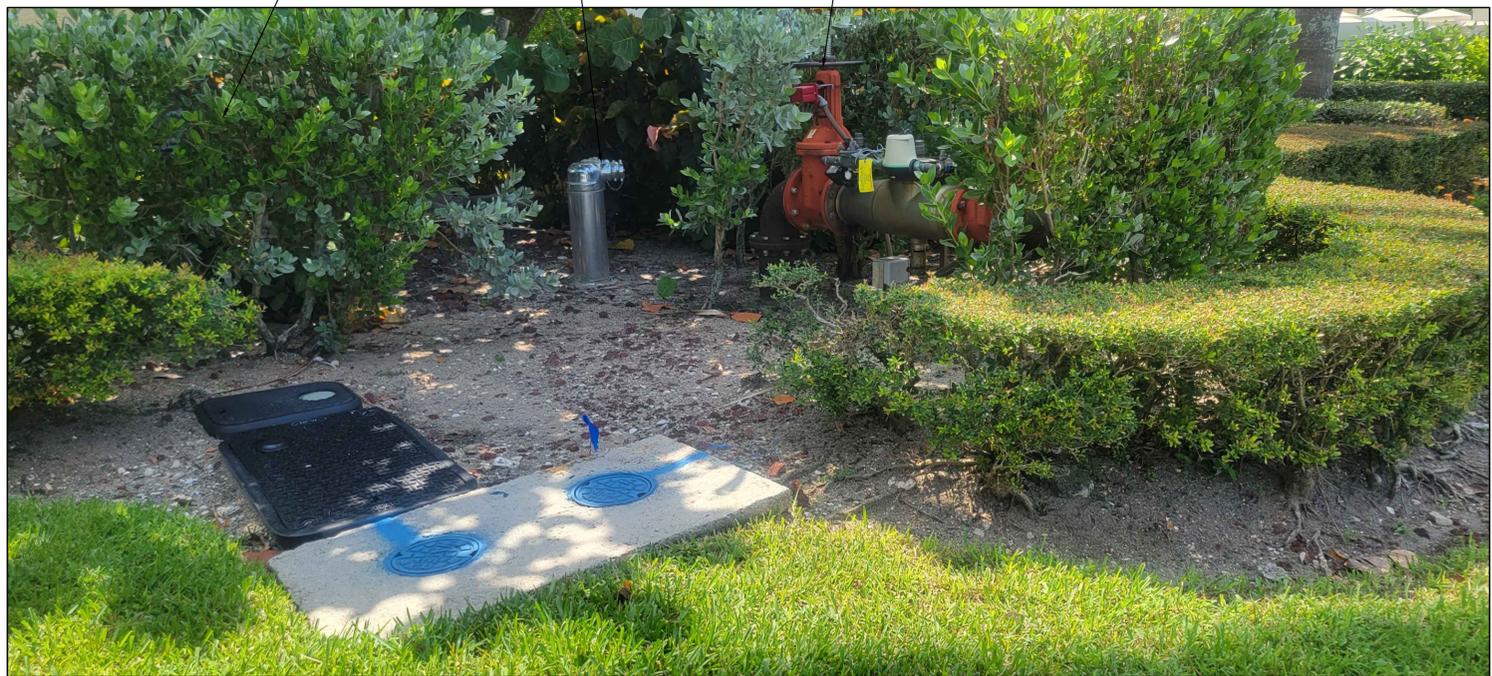
EXIST. 3" BFP TO REMAIN

EXIST. F.D.C. TO REMAIN

EXIST. 6" FIRE DETECTOR CHECK ASSEMBLY TO REMAIN

CONNECT EXIST. DOCK SERVICE METER TO NEW 10" WM WITH APPROPRIATE SADDLE AND SERVICE TO MATCH EXIST. SEE PLAN SHEETS

TRIM/REMOVE HEDGE AS REQUIRED



NOTES:

CONTRACTOR SHALL POT HOLE AND IDENTIFY ALL EXISTING UTILITIES AND DRAINAGE IN THE AREA PRIOR TO ANY NEW CONSTRUCTION.

CONSTRUCT THE NEW 8" HDPE WM CROSSING BEACH ROAD.

CONSTRUCT 8" HDPE WM TO 8"x6" MJ REDUCER W/ 8" HDPExMJ ADAPTER. CONTRACTOR TO FURNISH AND INSTALL ALL NECESSARY PIPE AND FITTINGS AS REQUIRED TO CONNECT TO NEW 3" ABOVE GROUND METER ASSEMBLY, CONNECT TO EXIST. BFP. AND RECONNECT TO EXIST. 6" FIRE DETECTOR CHECK ASSEMBLY AND EXIST. F.D.C. CONTRACTOR SHALL PROVIDE A DRAWING OF THE INTENDED PIPE LAYOUT, FITTINGS AND CONFLICT RESOLUTION TO THE V.O.T AND THE E.O.R. FOR APPROVAL.

CONTRACTOR TO COORDINATE WITH V.O.T. FIRE DEPARTMENT AND OWNER FOR ALARMS ON FIRE DETECTOR CHECK WHEN WORKING ON FIRE LINE.

19700 S BEACH ROAD  
CARLYLE JUPITER ISLAND

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KHA PROJECT	040097031
DATE	JAN. 2026
SCALE	AS SHOWN
DESIGNED BY	SS
DRAWN BY	MJM
CHECKED BY	TCJ

**WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT**

PREPARED FOR  
**VILLAGE OF TEQUESTA**

TEQUESTA FLORIDA

LICENSED PROFESSIONAL  
**THOMAS C. JENSEN, P.E.**

FLORIDA LICENSE NUMBER  
37290

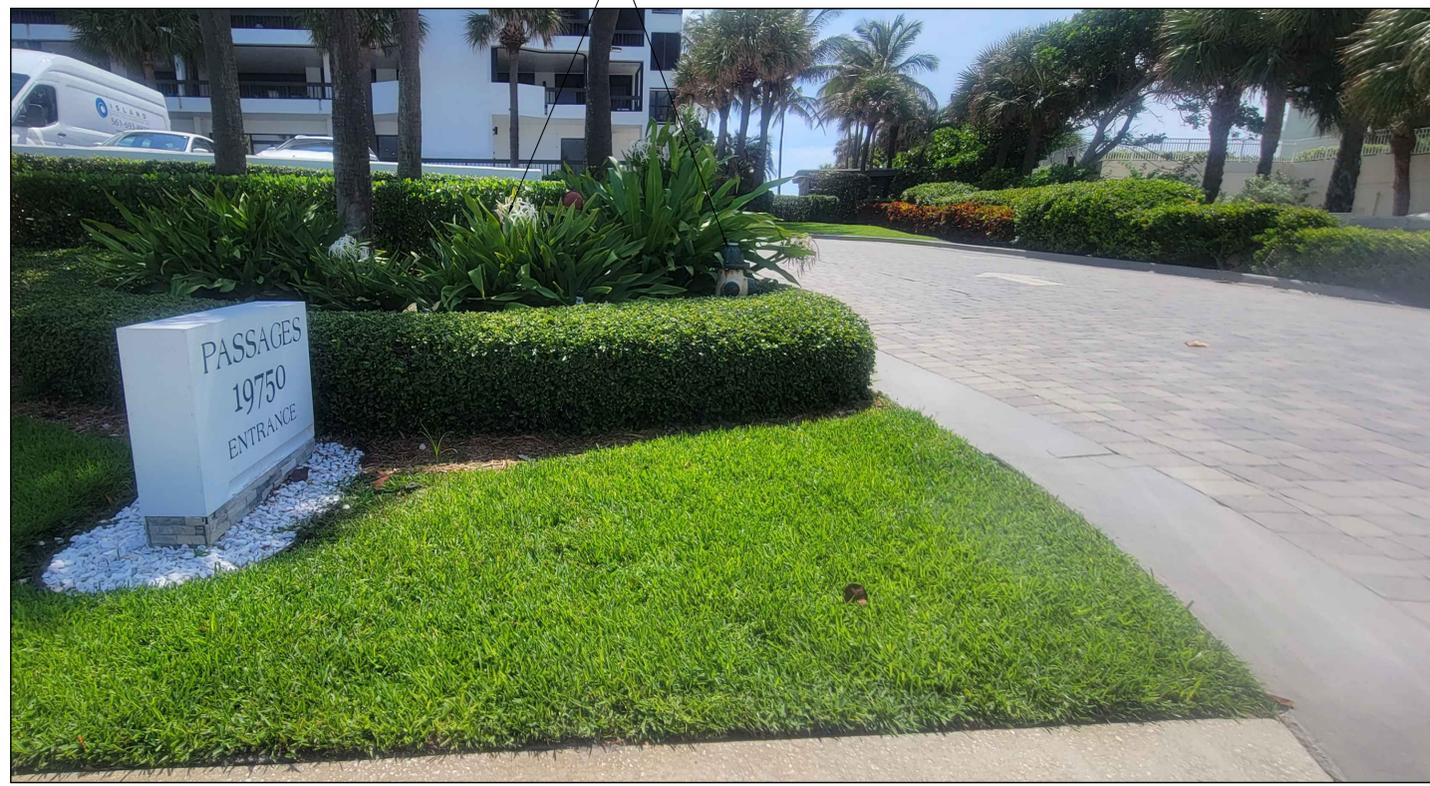
DATE: \_\_\_\_\_

**WATER METER DETAILS**

SHEET NUMBER  
**C-26**

Plotted By: Muechechete, Mark Sheet Set: Beach Road Water Main Replacement Phase 2 Layout: C-27 WATER METER DETAILS January 19, 2026 05:19:02pm K:\WPB\_Civil\040097031 - Beach Road WM-Phase 2\CADD\PlanSheets\C-24 WATER METER DETAILS.dwg  
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LOCATION OF EXIST. METER, FIRE DETECTOR CHECK ASSEMBLY, AND FIRE HYDRANT



EXIST. 6" FIRE DETECTOR CHECK ASSEMBLY TO REMAIN

EXIST. BFP TO REMAIN

EXIST. 3" METER TO BE REPLACED WITH NEW 3" METER SETTER WITH BYPASS PIPING.

EXIST. FIRE HYDRANT TO BE REMOVED AND REPLACED WITH NEW FIRE HYDRANT OFF NEW PIPING. LOCATION SIMILAR. SEE SHEET C-9.



NOTES:

CONTRACTOR SHALL POT HOLE AND IDENTIFY ALL EXISTING UTILITIES AND DRAINAGE IN THE AREA PRIOR TO ANY NEW CONSTRUCTION.

CONSTRUCT THE NEW 8" HDPE WM CROSSING BEACH ROAD.

CONSTRUCT 8" HDPE WM TO 8"x6" MJ TEE W/ 8" HDPExMJ ADAPTER TO NEW FIRE HYDRANT. CONTRACTOR TO FURNISH AND INSTALL ALL NECESSARY PIPE AND FITTINGS AS REQUIRED TO CONNECT TO NEW 3" ABOVE GROUND METER ASSEMBLY, CONNECT TO EXIST. BFP, AND RECONNECT TO EXIST. 6" FIRE DETECTOR CHECK ASSEMBLY. CONTRACTOR SHALL PROVIDE A DRAWING OF THE INTENDED PIPE LAYOUT, FITTINGS AND CONFLICT RESOLUTION TO THE V.O.T AND THE E.O.R. FOR APPROVAL.

CONTRACTOR TO COORDINATE WITH V.O.T. FIRE DEPARTMENT AND OWNER FOR ALARMS ON FIRE DETECTOR CHECK WHEN WORKING ON FIRE LINE.

19750 S BEACH ROAD  
THE PASSAGES OF JUPITER ISLAND

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 PHONE: 561-845-0665 FAX: 561-863-8175  
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT	040097031
DATE	JAN. 2026
SCALE	AS SHOWN
DESIGNED BY	SS
DRAWN BY	MJM
CHECKED BY	TCJ

**WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT**

PREPARED FOR  
**VILLAGE OF TEQUESTA** FLORIDA

LICENSED PROFESSIONAL  
**THOMAS C. JENSEN, P.E.**  
FLORIDA LICENSE NUMBER  
37290

**WATER METER DETAILS**

SHEET NUMBER  
**C-27**

Plotted By: Muechechete, Mark Sheet: Set: Beach Road Water Main Replacement Phase 2 Layout: C-28 WATER METER DETAILS January 19, 2026 05:19:03pm K:\WPB\_Civil\040097031 - Beach Road WM-Phase 2\CADD\PlanSheets\C-24 WATER METER DETAILS.dwg  
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EXIST. 6" FIRE DETECTOR CHECK ASSEMBLY TO REMAIN



EXIST. 3" METER TO BE REPLACED WITH NEW 3" METER SETTER WITH BYPASS PIPING.

V.O.T. RECENTLY UPGRADED WATER METER AND FIRE LINE, NOT TO BE REPLACED

NOTES:  
 CONTRACTOR SHALL POT HOLE AND IDENTIFY ALL EXISTING UTILITIES AND DRAINAGE IN THE AREA PRIOR TO ANY NEW CONSTRUCTION.  
 CONSTRUCT THE NEW 8" HDPE WM CROSSING BEACH ROAD.  
 CONSTRUCT 8" HDPE WM TO 8"x6" MJ REDUCER W/ 8" HDPExMJ ADAPTER. CONTRACTOR TO FURNISH AND INSTALL ALL NECESSARY PIPE AND FITTINGS AS REQUIRED TO CONNECT TO EXIST. 3" ABOVE GROUND METER ASSEMBLY, AND 6" FIRE DETECTOR ASSEMBLY. CONTRACTOR SHALL PROVIDE A DRAWING OF THE INTENDED PIPE LAYOUT, FITTINGS AND CONFLICT RESOLUTION TO THE V.O.T AND THE E.O.R. FOR APPROVAL.  
 CONTRACTOR TO COORDINATE WITH V.O.T. FIRE DEPARTMENT AND OWNER FOR ALARMS ON FIRE DETECTOR CHECK WHEN WORKING ON FIRE LINE.

19850 S BEACH ROAD  
 THE LANDFALL

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KHA PROJECT	040097031
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**WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT**

PREPARED FOR  
**VILLAGE OF TEQUESTA**

TEQUESTA FLORIDA

LICENSED PROFESSIONAL  
**THOMAS C. JENSEN, P.E.**  
 FLORIDA LICENSE NUMBER  
 37290

**WATER METER DETAILS**

SHEET NUMBER  
**C-28**

Plotted By: Muechechete, Mark Sheet: Set: Beach Road Water Main Replacement Phase 2 Layout: C-29 WATER METER DETAILS January 19, 2026 05:19:04pm K:\WPB\_CIVIL\040097031 - Beach Road WM-Phase 2\CADD\PlanSheets\C-24 WATER METER DETAILS.dwg  
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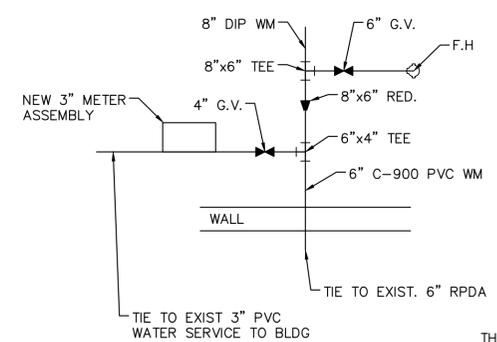
EXIST. 3" METER TO BE REPLACED WITH NEW 3" METER AND NEW 3" BFP IN FRONT OF WALL.



LOCATION OF NEW METER AND BFP



EXIST. 2" IRRIGATION METER TO BE RECONNECTED TO NEW PIPING AS REQ'D.



THIS ADDRESS DOES NOT CURRENTLY HAVE A BFP ON THE POTABLE WATERMAIN

NOTES:  
 CONTRACTOR SHALL POT HOLE AND IDENTIFY ALL EXISTING UTILITIES AND DRAINAGE IN THE AREA PRIOR TO ANY NEW CONSTRUCTION.  
 CONSTRUCT THE NEW 8" HDPE WM CROSSING BEACH ROAD.  
 CONSTRUCT 8" HDPE WM TO 8"x6" MJ REDUCER W/ 8" HDPExMJ ADAPTER. SEE CONCEPTUAL SKETCH. CONTRACTOR TO FURNISH AND INSTALL ALL NECESSARY PIPE AND FITTINGS AS REQUIRED TO CONNECT TO NEW 3" ABOVE GROUND METER ASSEMBLY, CONST. NEW 3" BFP IN FRONT OF WALL, CONNECT TO EXIST 3" POTABLE LINE AND EXIST 6" FIRE LINE BEHIND WALL. RECONNECT EXIST. 2" IRRIGATION MAIN AS REQ'D. CONTRACTOR SHALL PROVIDE A DRAWING OF THE INTENDED PIPE LAYOUT, FITTINGS AND CONFLICT RESOLUTION TO THE V.O.T AND THE E.O.R. FOR APPROVAL.  
 CONTRACTOR TO COORDINATE WITH V.O.T. FIRE DEPARTMENT AND OWNER FOR ALARMS ON FIRE DETECTOR CHECK WHEN WORKING ON FIRE LINE.  
 EXISTING IRRIGATION METER TO BE PICKED UP AFTER VOT WATER SERVICE METER, BEHIND THE CONCRETE WALL ON PRIVATE PROPERTY.

19900 S BEACH ROAD  
 OCEAN SOUND

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 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT	040097031
DATE	JAN. 2026
SCALE	AS SHOWN
DESIGNED BY	SS
DRAWN BY	MJM
CHECKED BY	TCJ

**WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT**

PREPARED FOR  
**VILLAGE OF TEQUESTA**

TEQUESTA FLORIDA

LICENSED PROFESSIONAL  
 THOMAS C. JENSEN, P.E.  
 FLORIDA LICENSE NUMBER  
 37290

**WATER METER DETAILS**

SHEET NUMBER  
**C-29**

Plotted By: Muechechete, Mark Sheet: Set: Beach Road Water Main Replacement Phase 2 Layout: C-30 WATER METER DETAILS January 19, 2026 05:19:05pm K:\WPB\_Civil\040097031 - Beach Road WM-Phase 2\CADD\PlanSheets\C-24 WATER METER DETAILS.dwg  
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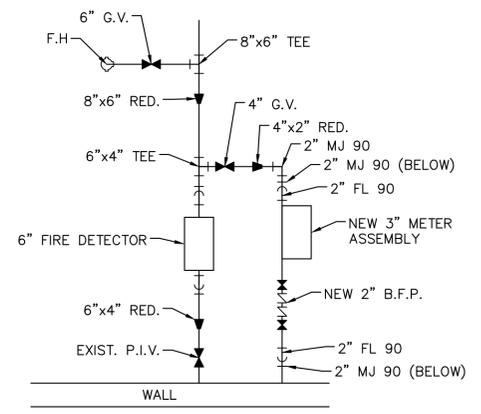


19930 S BEACH ROAD  
BEACH SOUND

REMOVE EXIST. 2" METER AND BOX UPON COMPLETION OF NEW 2" METER SETTER AND 2" BFP

EXIST. P.I.V. TO REMAIN

REMOVE EXIST. CONCRETE VAULT AND 4" CHECK VALVE UPON CONNECTION OF NEW 4" FIRE DETECTOR CHECK ASSEMBLY. VERIFY SIZE



EXIST. 4" CHECK VALVE IN CONCRETE VAULT. VERIFY SIZE

THIS ADDRESS DOES NOT CURRENTLY HAVE BFP ON THE WATER SERVICE OR A DETECTOR CHECK ON THE FIRE MAIN.

NOTES:

CONTRACTOR SHALL POT HOLE AND IDENTIFY ALL EXISTING UTILITIES AND DRAINAGE IN THE AREA PRIOR TO ANY NEW CONSTRUCTION.

CONSTRUCT THE NEW 8" HDPE WM CROSSING BEACH ROAD.

CONSTRUCT 8" HDPE WM TO 8"x6" MJ REDUCER W/ 8" HDPExMJ ADAPTER. SEE CONCEPTUAL SKETCH. CONTRACTOR TO FURNISH AND INSTALL ALL NECESSARY PIPE AND FITTINGS AS REQUIRED TO CONST. NEW 3" METER ASSEMBLY AND 3" BFP. TIE INTO EXIST. POTABLE LINE IN FRONT OF WALL. CONST 6" FIRE DETECTOR. AND CONNECT TO EXIST. 4" FIRE LINE IN FRONT OF P.I.V. IN FRONT OF WALL. CONTRACTOR SHALL PROVIDE A DRAWING OF THE INTENDED PIPE LAYOUT, FITTINGS AND CONFLICT RESOLUTION TO THE V.O.T AND THE E.O.R. FOR APPROVAL.

CONTRACTOR TO COORDINATE WITH V.O.T. FIRE DEPARTMENT AND OWNER FOR ALARMS ON FIRE DETECTOR CHECK WHEN WORKING ON FIRE LINE.

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WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT	040097031
DATE	JAN. 2026
SCALE	AS SHOWN
DESIGNED BY	SS
DRAWN BY	MJM
CHECKED BY	TCJ

**WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT**

PREPARED FOR  
**VILLAGE OF TEQUESTA**

TEQUESTA FLORIDA

LICENSED PROFESSIONAL  
THOMAS C. JENSEN, P.E.  
FLORIDA LICENSE NUMBER  
37290

**WATER METER DETAILS**

SHEET NUMBER  
**C-30**

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EXIST. 2" METER, BFP, AND FIRE DETECTOR CHECK ASSEMBLY BEHIND HEDGE



REMOVE EXIST. METER BOX UPON CONNECTION OF NEW METER SETTER



EXIST. P.I.V. TO REMAIN

NOTES:  
 CONTRACTOR SHALL POT HOLE AND IDENTIFY ALL EXISTING UTILITIES AND DRAINAGE IN THE AREA PRIOR TO ANY NEW CONSTRUCTION.  
 CONSTRUCT THE NEW 8" HDPE WM CROSSING BEACH ROAD.  
 CONSTRUCT 8" HDPE WM TO 8"x6" MJ REDUCER W/ 8" HDPExMJ ADAPTER. CONTRACTOR TO FURNISH AND INSTALL ALL NECESSARY PIPE AND FITTINGS AS REQUIRED TO CONNECT TO NEW 2" ABOVE GROUND METER ASSEMBLY, CONNECT TO EXIST. BFP. AND RECONNECT TO EXIST. 6" MAIN TO EXISTING FIRE DETECTOR CHECK ASSEMBLY. CONTRACTOR SHALL PROVIDE A DRAWING OF THE INTENDED PIPE LAYOUT, FITTINGS AND CONFLICT RESOLUTION TO THE V.O.T AND THE E.O.R. FOR APPROVAL.  
 CONTRACTOR TO COORDINATE WITH V.O.T. FIRE DEPARTMENT AND OWNER FOR ALARMS ON FIRE DETECTOR CHECK WHEN WORKING ON FIRE LINE.

19950 S BEACH ROAD  
 CLARIDGE OF JUPITER ISLAND

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**WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT**

PREPARED FOR  
**VILLAGE OF TEQUESTA** FLORIDA

LICENSED PROFESSIONAL  
 THOMAS C. JENSEN, P.E.  
 FLORIDA LICENSE NUMBER  
 37290

**WATER METER DETAILS**

SHEET NUMBER  
**C-31**

Plotted By: Muechechete, Mark Sheet: Beach Rd Water Main Replacement Phase 2 Layout: C-32 WATER METER DETAILS January 19, 2026 05:19:05pm K:\WPB\_Civil\040097031 - Beach Rd WM-Phase 2\CADD\PlanSheets\C-32 WATER METER DETAILS.dwg  
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EXIST. BRIDGE WATER METER TO BE REMOVED AND REPLACED ON NEW 6" WATERMAIN

EXIST. BRIDGE SERVICE BACKFLOW PREVENTER TO REMAIN

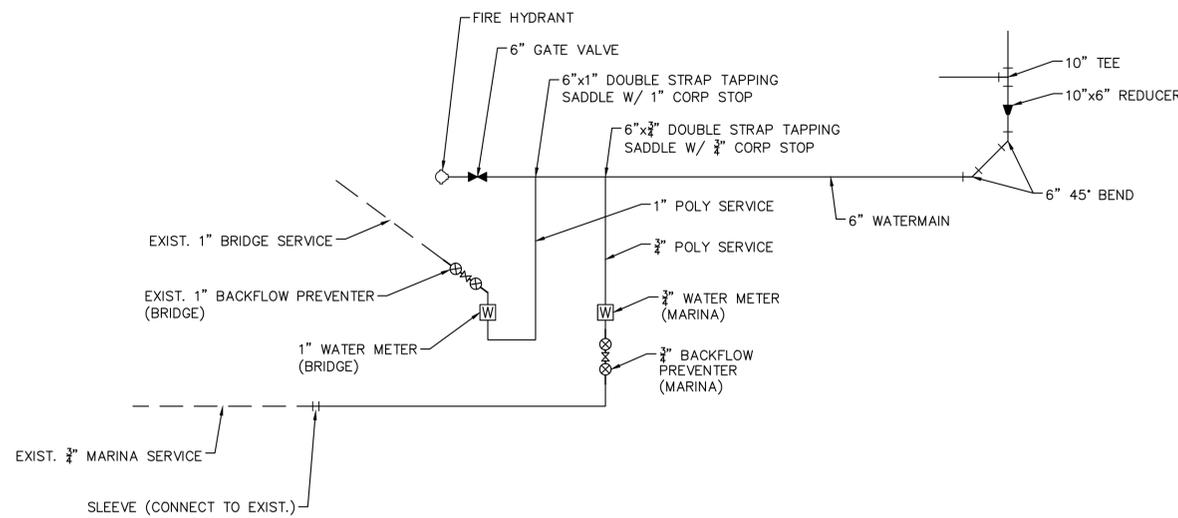
EXIST. FIRE HYDRANT ASSEMBLY TO BE REMOVED



EXIST. MARINA SERVICE TO BE RELOCATED TO THE EAST ON NEW 6" WATERMAIN



REMOVE EXIST. TERMINAL BLOWOFF



SERVICES ON 8" LINE ON SE SIDE OF BRIDGE

NOTES:

CONTRACTOR SHALL POT HOLE AND IDENTIFY ALL EXISTING UTILITIES AND DRAINAGE IN THE AREA PRIOR TO ANY NEW CONSTRUCTION.  
 CONTRACTOR TO FURNISH AND INSTALL ALL NECESSARY PIPE AND FITTINGS AS REQUIRED TO CONNECT TO NEW 3/4" AND 1" METER ASSEMBLIES. CONNECT TO EXIST. 1" BRIDGE SERVICE BFP. AND RECONNECT TO EXIST. 3/4" MARINA SERVICE LINE. CONTRACTOR SHALL PROVIDE A DRAWING OF THE INTENDED PIPE LAYOUT, FITTINGS AND CONFLICT RESOLUTION TO THE V.O.T AND THE E.O.R. FOR APPROVAL.

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**WM#2 (PH2) BEACH RD WATER MAIN (WM) REPLACEMENT PROJECT**

PREPARED FOR  
**VILLAGE OF TEQUESTA**

TEQUESTA FLORIDA

LICENSED PROFESSIONAL	THOMAS C. JENSEN, P.E.
FLORIDA LICENSE NUMBER	37290
DATE:	_____

**WATER METER DETAILS**

SHEET NUMBER	C-32
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