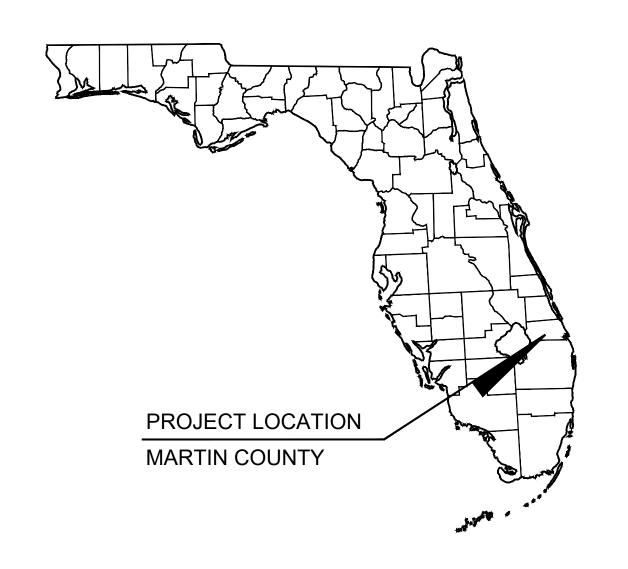
CONSTRUCTION PLANS FOR COUNTY LINE ROAD

RECLAIMED WATERMAIN, WATERMAIN, AND RAW WATERMAIN RELOCATION

PREPARED FOR THE

LOXAHATCHEE RIVER DISTRICT NOVEMBER 2024





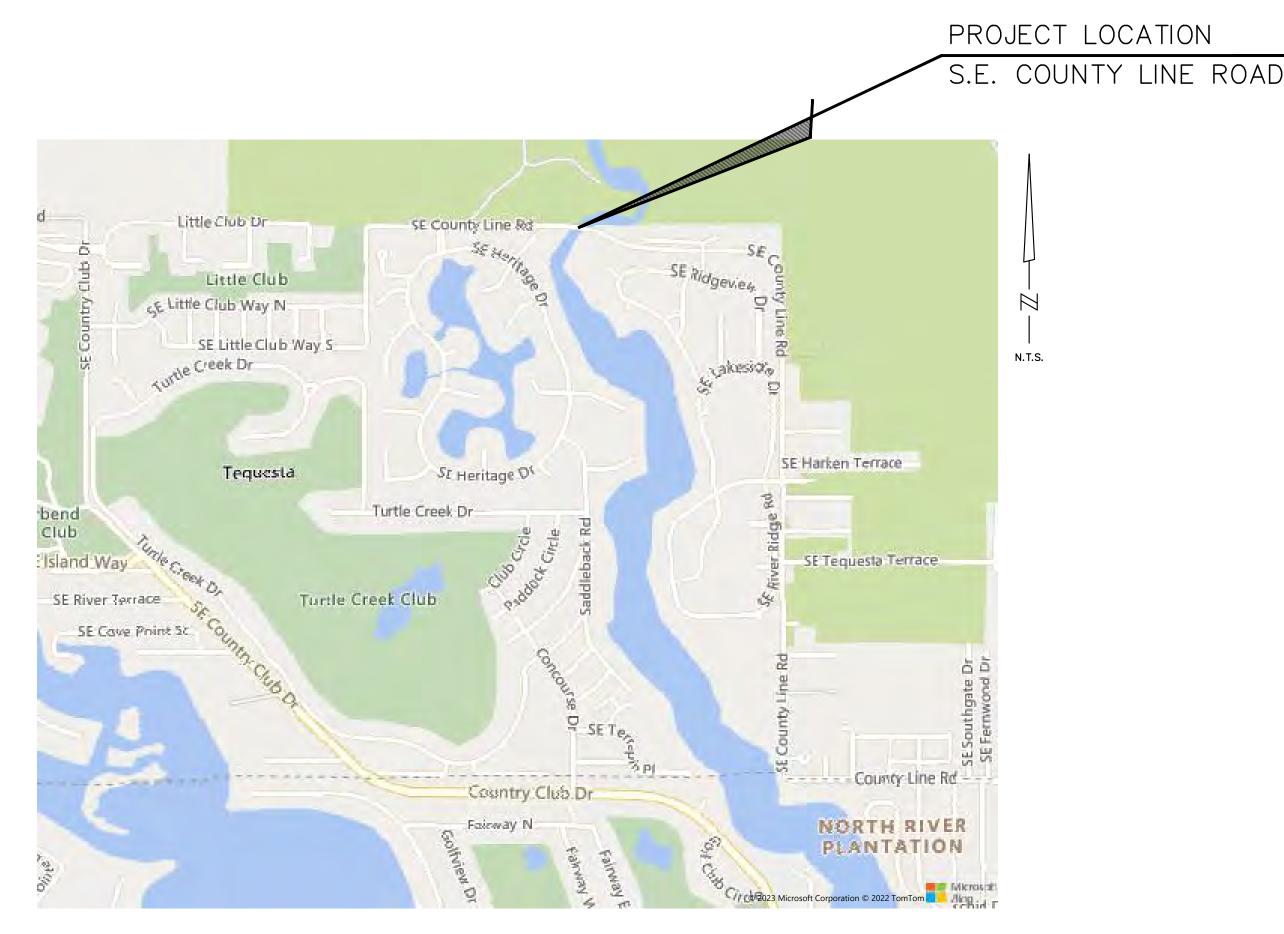
LOXAHATCHEE RIVER DISTRICT **GOVERNING BORD**

DR. MATT H. ROSTOCK STEPHEN B. ROCKOFF GORDON M. BOGGIE KEVIN L. BAKER CLINTON R. YERKES

CHAIRMAN VICE CHAIRMAN **TREASURER** ASSISTANT TREASURER SECRETARY

EXECUTIVE DIRECTOR

D. ALBREY ARRINGTON, PhD.



LOCATION MAP

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INDEX OF SHEETS Sheet Sheet Title Number OVERALL AERIAL SITE PLAN LRD STANDARD UTILITY DETAILS STANDARD DETAILS WATERMAIN AND RAW |WATERMAIN RELOCATION PLAN WATERMAIN RELOCATION PLAN AND PROFILE OVERALL DIRECTIONAL DRILL PLAN AND PROFILE WATERMAIN AND RAW WATERMAIN RELOCATION PLAN VOT-6 V.O.T. STANDARD DETAILS VOT-7 V.O.T. STANDARD DETAILS MARTIN COUNTY PUBLIC WORKS STANDARD DETAILS

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No	REVISIONS	DATE	BY

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A PROJECT 40790001	COUNTY LINE ROAD
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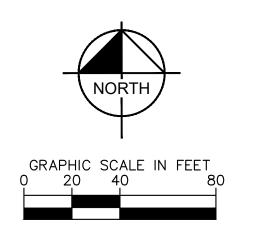
THOMAS C. JENSEN FLORIDA LICENSE NUMBER 37290

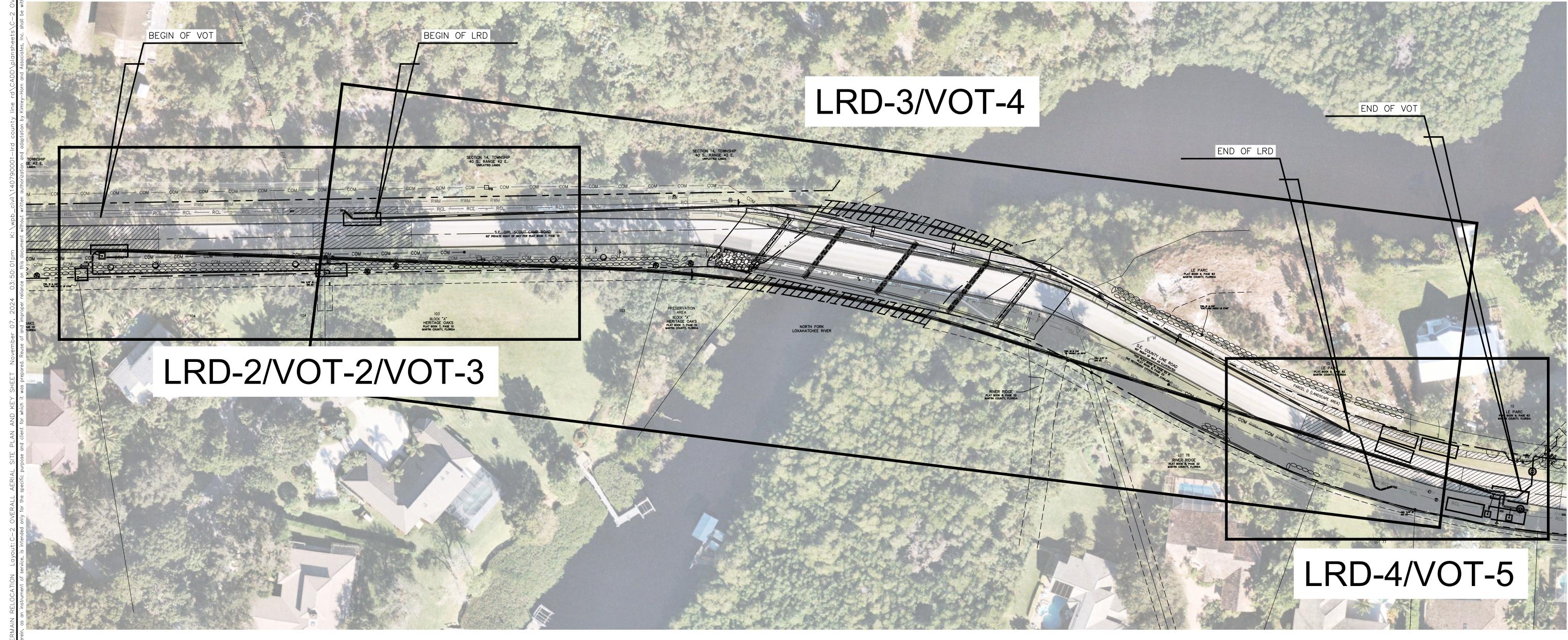
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KHA PROJECT 140790001 NOV. 2024 SCALE AS SHOWN ESIGNED BY

DRAWN BY

COUNTY LINE ROAD RECLAIMED WATERMAIN, WATERMAIN, AND RAW WATERMAIN RELOCATION PREPARED FOR

LOXAHATCHEE RIVER DISTRICT

FLORIDA LICENSE NUMBER 37290

LICENSED PROFESSIONAL

THOMAS C. JENSEN

OVERALL AERIAL SITE PLAN AND **KEY SHEET**

C-2

GENERAL NOTES:

- 1. ALL CONNECTIONS TO EXISTING MAINS SHALL BE OBSERVED BY THE DISTRICT. VALVES ON EXISTING MAINS SHALL BE OPERATED BY DISTRICT PERSONNEL OR UNDER THEIR DIRECT SUPERVISION. CONTRACTOR SHALL BE PREPARED TO HANDLE DISPOSAL OF EXCESS RECLAIMED WATER FROM ISOLATION VALVES TO POINTS OF CONNECTION.
- 2. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF LRD UTILITIES MINIMUM DESIGN AND CONSTRUCTION STANDARDS LATEST EDITION, ONE COPY OF THE CONTRACT DOCUMENTS, INCLUDING PLANS, SPECIFICATIONS AND SPECIAL PROVISIONS, AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.
- 3. THE CONTRACTOR SHALL CONTACT ALL CONCERNED UTILITIES AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION OPERATIONS.
- 4. THE LOCATION AND SIZE OF ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITIES BY ELECTRONIC METHOD AND BY HAND EXCAVATION IN COORDINATION WITH ALL UTILITY COMPANIES AND SUNSHINE 811 PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. ANY AND ALL CONFLICTS OF EXISTING UTILITIES WITH PROPOSED IMPROVEMENTS SHALL BE RESOLVED BY THE ENGINEER PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- 5. LOCATION OF PROPOSED FACILITIES WILL BE STAKED BY CONTRACTOR. CONTRACTOR MUST GIVE 48 HOURS NOTICE TO THE DISTRICT IN ADVANCE OF LAYOUT.
- 6. THE CONTRACTOR SHALL PROVIDE A QUALIFIED SUPERINTENDENT TO REMAIN ON THE JOB SITE AT ALL TIMES WHEN WORK IS BEING PERFORMED. THE SUPERINTENDENT SHALL BE PRESENT AT THE PRE-CONSTRUCTION MEETINGS. THE CONTRACTOR SHALL NOTIFY THE DISTRICT BY LETTER PRIOR TO THE PRE-CONSTRUCTION MEETING APPOINTING THE SUPERINTENDENT FOR THE PROJECT INCLUDING A FORMAL RESUME SHOWING QUALIFICATIONS. IN THE EVENT THE SUPERINTENDENT WILL NOT BE PRESENT FOR ANY PERIOD OF TIME DURING CONTRACT WORK THE CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE IN WRITING TO THE DISTRICT, INCLUDING THE APPOINTMENT OF A QUALIFIED REPLACEMENT SUPERINTENDENT WHO WILL BE PRESENT DURING THE CONSTRUCTION. WORK SHALL NOT BE ALLOWED TO PROCEED UNLESS THE ASSIGNED SUPERINTENDENT IS PRESENT.
- 7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE HIS COMPLETE FAMILIARITY WITH THE PROJECT SITE AND COMPONENTS TO INCLUDE SUBSURFACE CONDITIONS OF SOIL AND GROUNDWATER TABLE.
- 8. DENSITY TESTS OF TRENCH BACKFILL MATERIAL SHALL BE REQUIRED AT INTERVALS OF NOT MORE THAN 500 FEET. DENSITY TESTS OF PAVEMENT OPEN-CUT AREAS INCLUDING ROADS, TURNLANES, AND DRIVES SHALL BE REQUIRED AT EACH OPEN-CUT AT INTERVALS OF NO MORE THAN 50 FEET. ALL TESTS SHALL COMMENCE AT THE TOP PIPE AND EVERY 12 INCHES TO THE FINISH GRADE. COMPACTION SHALL BE IN ACCORDANCE WITH MARTIN COUNTY UTILITIES CONSTRUCTION STANDARDS "TYPICAL TRENCH DETAIL" AND "FLEXIBLE PAVEMENT REPLACEMENT DETAIL". FLORIDA BEARING TESTS FOR THE STABILITY OF EXISTING SUBSOIL SHALL BE TAKEN AT INTERVALS OF NOT MORE THAN 500 FEET, AND CLOSER AS MIGHT BE NECESSARY IN THE EVENT OF VARIATIONS IN THE STRATA. A CERTIFIED COPY OF THE TESTS SHALL BE PROVIDED TO THE DISTRICT AND MARTIN COUNTY ENGINEERING DEPARTMENT. CONTRACTORS BID PRICE SHALL INCLUDE PAYMENT FOR ALL TESTS CONDUCTED BY AN INDEPENDENT TESTING LAB.
- 9. ANY LANDSCAPING DISTURBED, UNLESS OTHERWISE SHOWN ON THE PLANS, SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE DISTRICT AT THE CONTRACTORS EXPENSE.
- 10. ANY SIDEWALK, CURB AND GUTTER OR PAVEMENT DISTURBED, UNLESS OTHERWISE SHOWN ON PLANS, SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. UNLESS OTHERWISE SPECIFIED OR INDICATED, ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS AND ALL CONCRETE WORK SHALL COMPLY WITH THE CURRENT EDITION OF THE AMERICAN CONCRETE INSTITUTE (ACI) BUILDING CODE AND THE APPLICABLE BUILDING CODES HAVING JURISDICTION IN THE AREA. ALL CONSTRUCTION SHALL MEET ADA REQUIREMENTS THIS INCLUDES, BUT IS NOT LIMITED TO, DETECTABLE WARNING SURFACES.
- 11. ALL SOD IS TO BE PLACED FOR THE FULL WIDTH DISTURBED AT THE PER LINEAR FOOT UNIT PRICES FOR SOD. SOD SHALL BE REPLACED TO MATCH EXISTING KIND UNLESS OTHERWISE SHOWN ON PLANS.
- 12. CONTRACTOR SHALL PROVIDE PROPER BENDS TO MAINTAIN REQUIRED DEPTH AND ALIGNMENT OF PIPE. COST OF BENDS NOT DESIGNATED ON PLANS SHALL BE INCLUDED WITH THE UNIT PRICE FOR PIPE.
- 13. ANY TREES AND/OR SCRUB OR OTHER VEGETATION NOT TO BE REPLACED SHALL BE REMOVED FROM THE PROJECT AT THE CONTRACTOR'S EXPENSE.
- 14. ALL RUBBLE AND UNSUITABLE MATERIAL MUST BE REMOVED FROM THE PROJECT AND DISPOSED OF PROPERLY BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- 15. DEFLECT PIPE AS NECESSARY TO OBTAIN THE REQUIRED ALIGNMENT. USE APPROPRIATE FITTINGS WHEN DEFLECTION EXCEEDS 75% OF MANUFACTURER'S RECOMMENDED MAXIMUM DEFLECTION.
- 17. ALL CONSTRUCTION DEWATERING (WELL POINTS, SUMPS, ETC) WILL REQUIRE A DEWATERING PERMIT FROM SOUTH FLORIDA WATER MANAGEMENT DISTRICT. THIS SHALL BE OBTAINED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE PRIOR TO BEGINNING OF CONSTRUCTION.
- 18. THE "TRENCH SAFETY ACT" SHALL BE INCORPORATED INTO THIS CONTRACT AS ENACTED BY THE LEGISLATURE OF THE STATE OF FLORIDA TO BE IN EFFECT AS OF OCTOBER 1, 1990.
- 19. A PERMIT IS REQUIRED FOR ALL WORK WITHIN COUNTY RIGHT-OF-WAY. THIS PERMIT MUST BE OBTAINED BY THE CONTRACTOR FROM THE MARTIN COUNTY ENGINEERING DEPARTMENT. ALL COSTS PAYABLE BY THE CONTRACTOR. A COPY OF THIS PERMIT MUST BE MAINTAINED ON THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION.
- 20. ALL CONCRETE AND ASPHALT DRIVES MUST BE REPLACED FROM SAW CUT TO EDGE OF PAVEMENT.
- 21. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING THEIR PLAN FOR ON-SITE STAGING AND STORAGE AREAS FOR EQUIPMENT AND MATERIAL.

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140790001 DATE NOV. 2024 CALE AS SHOWN

MARTIN COUNTY

ESIGNED BY

HECKED BY

DRAWN BY

COUNTY LINE ROAD RECLAIMED WATERMAIN RELOCATION

PREPARED FOR LOXAHATCHEE RIVER DISTRICT

FLORIDA LICENSE NUMBER 37290 FLORIDA | DATE:

LICENSED PROFESSIONAL

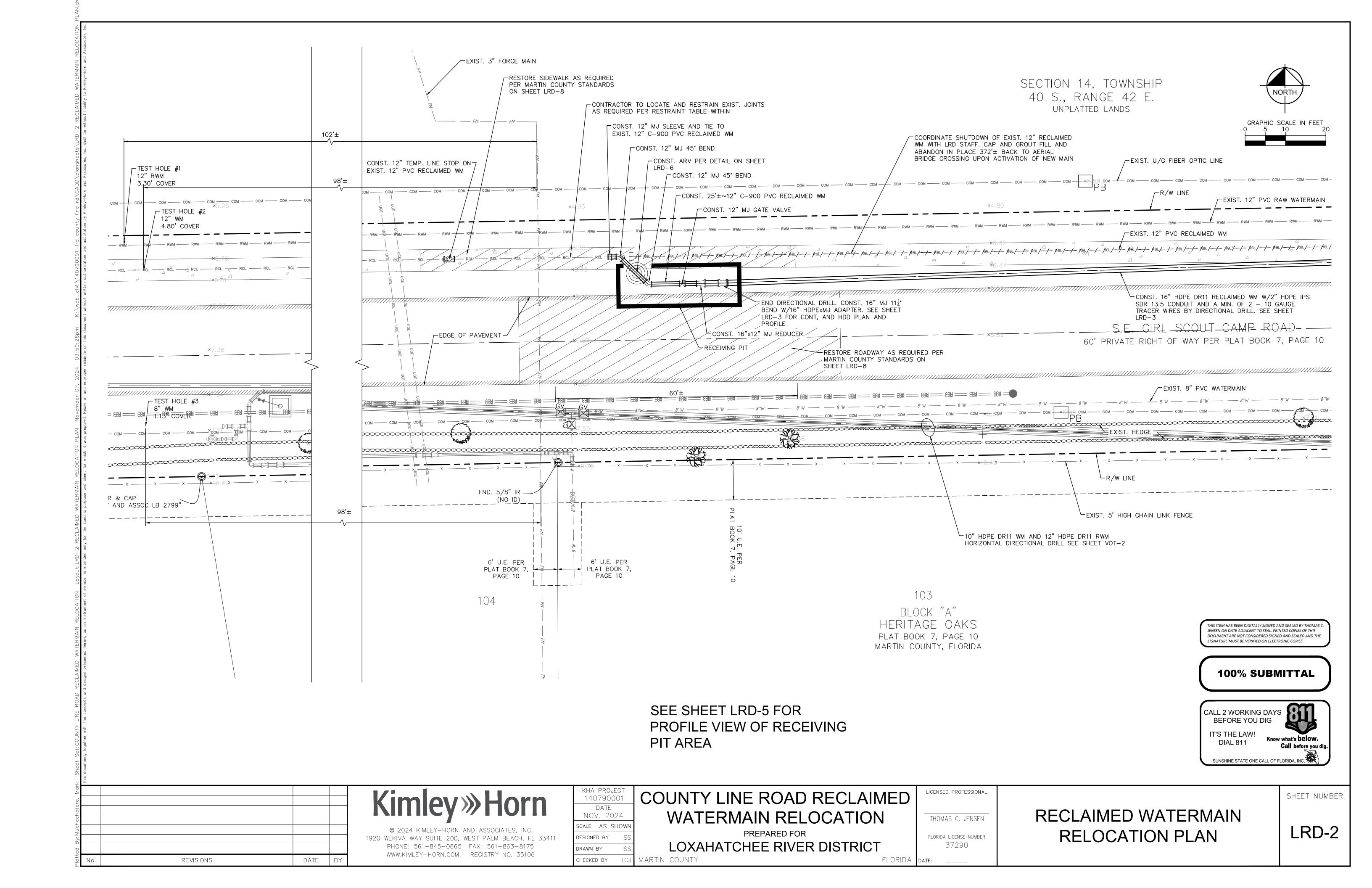
THOMAS C. JENSEN

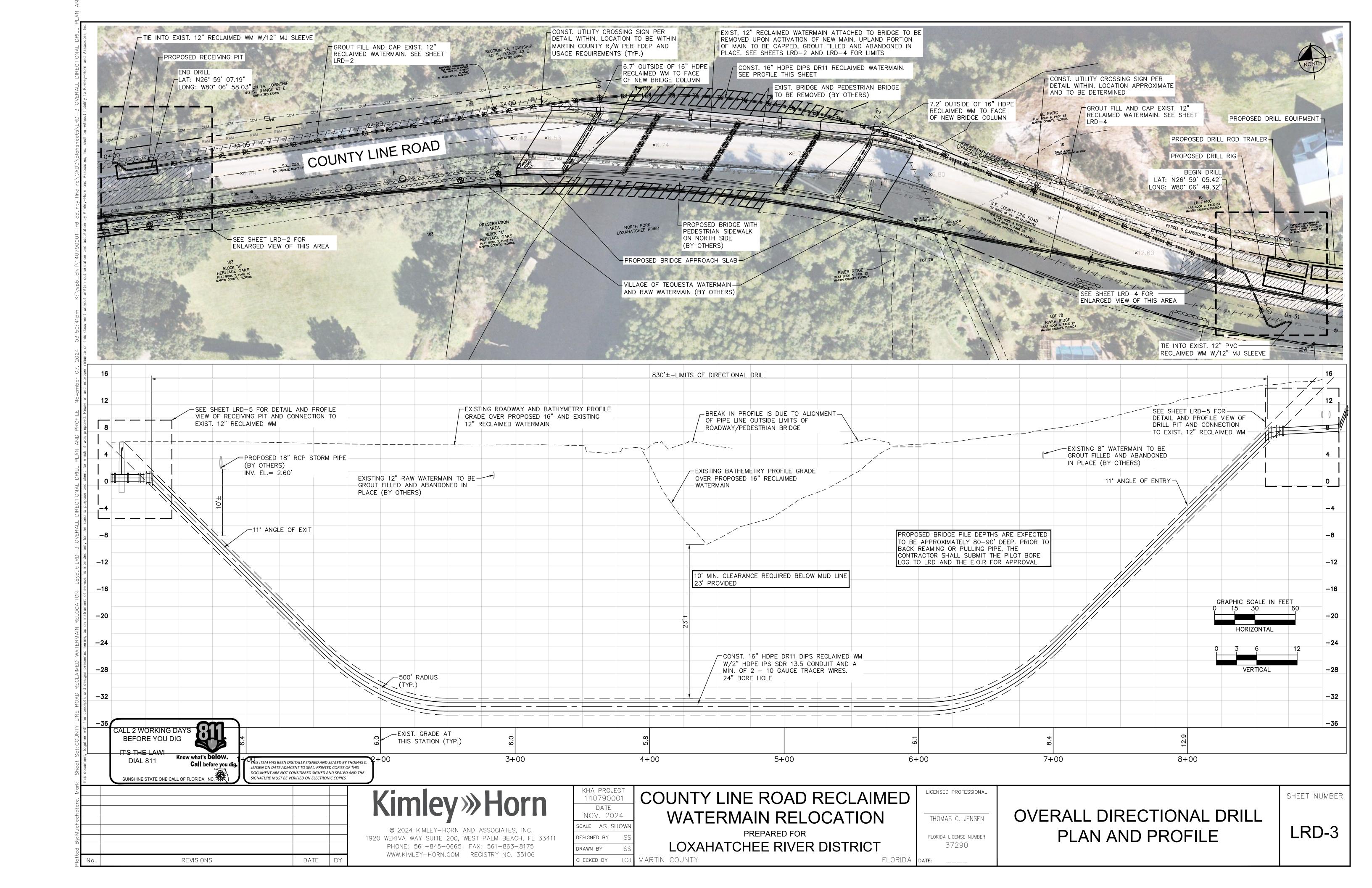
GENERAL NOTES

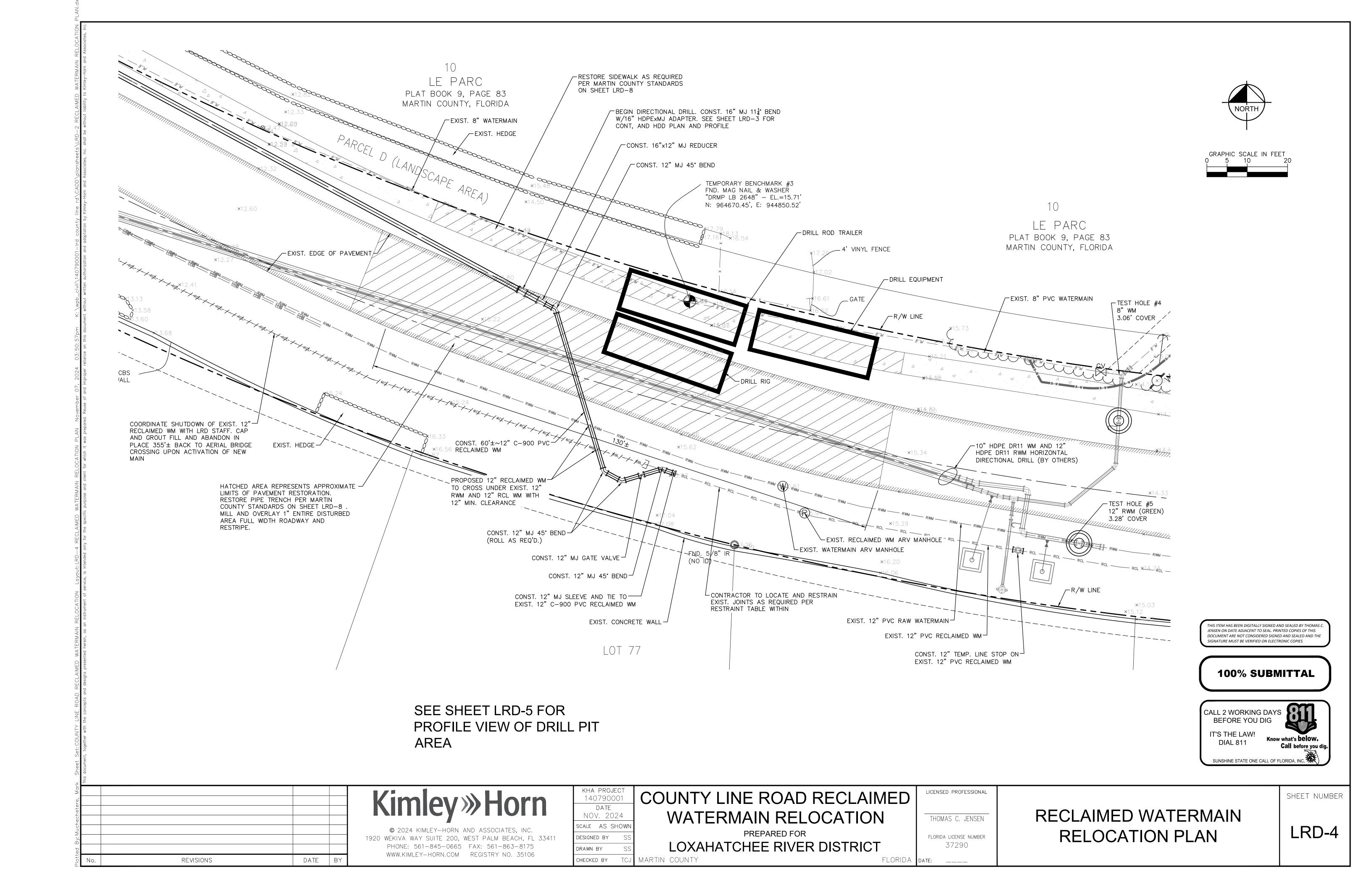
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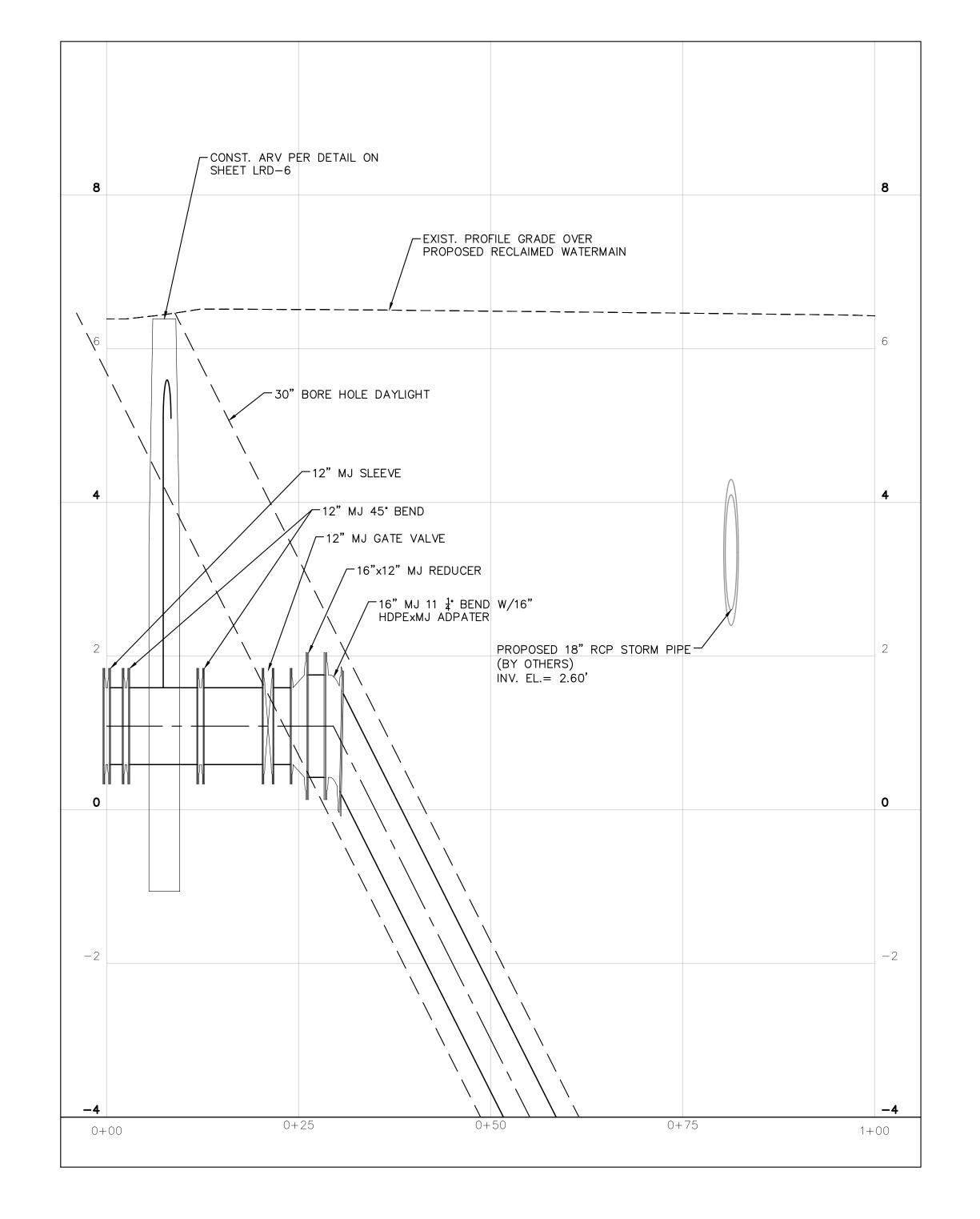
Call before you dig

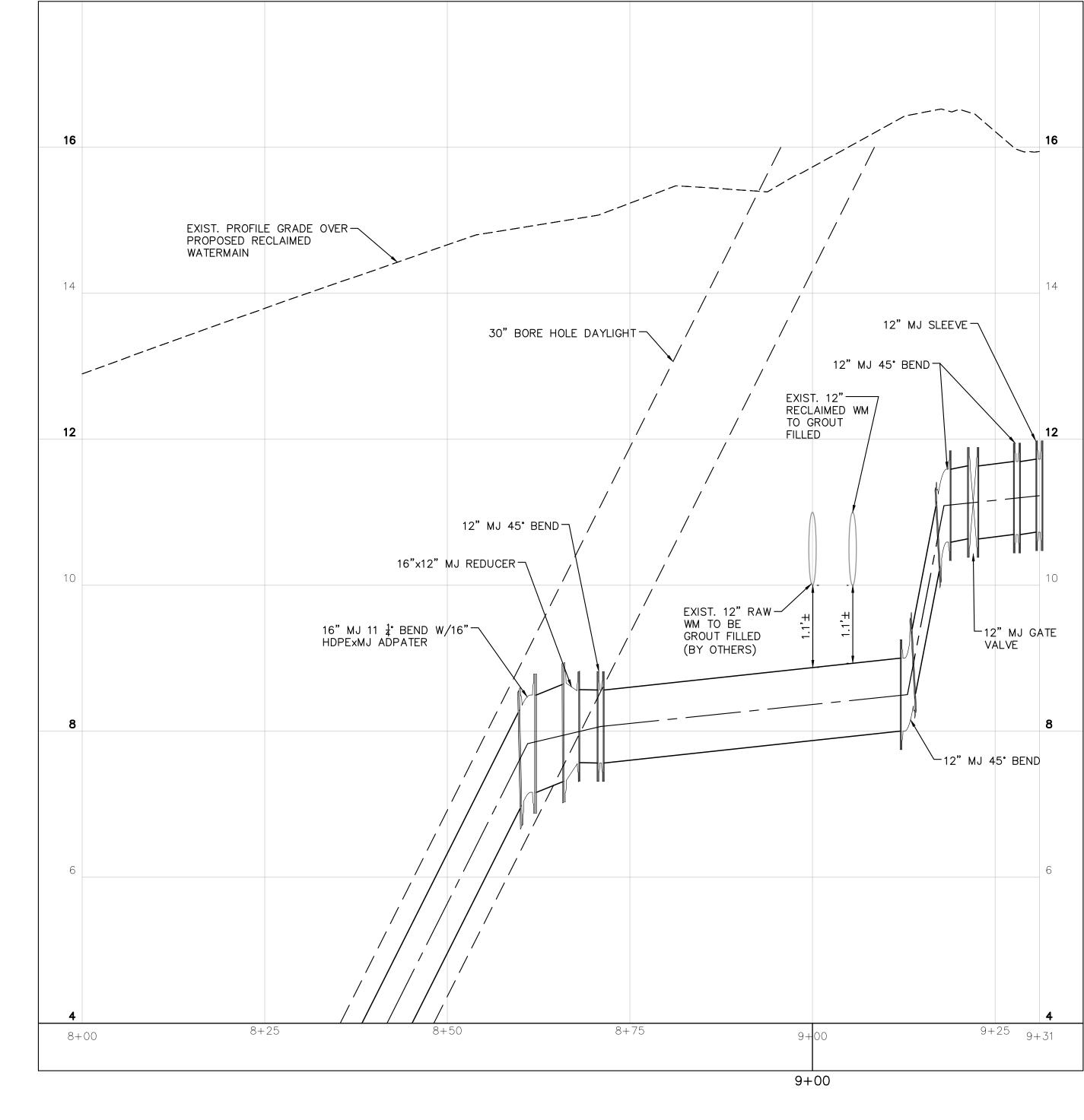
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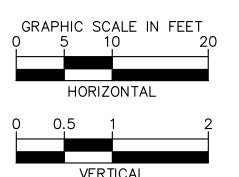


CALL 2 WORKING DAYS
BEFORE YOU DIG

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DIAL 811

Know what's below.
Call before you dig.

PROFILE-RECEIVING PIT AREA
AS NOTED



SEE SHEET LRD-3 FOR OVERALL DIRECTIONAL DRILL PROFILE PROFILE-DRILL PIT AREA
AS NOTED

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WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

COUNTY	140790001
WAT	DATE NOV. 2024
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	ESIGNED BY SS

DRAWN BY

COUNTY LINE ROAD RECLAIMED
WATERMAIN RELOCATION
PREPARED FOR

PREPARED FOR

LOXAHATCHEE RIVER DISTRICT

MARTIN COUNTY

PREPARED FOR

FLOR

DATE:

THOMAS C. JENSEN

FLORIDA LICENSE NUMBER

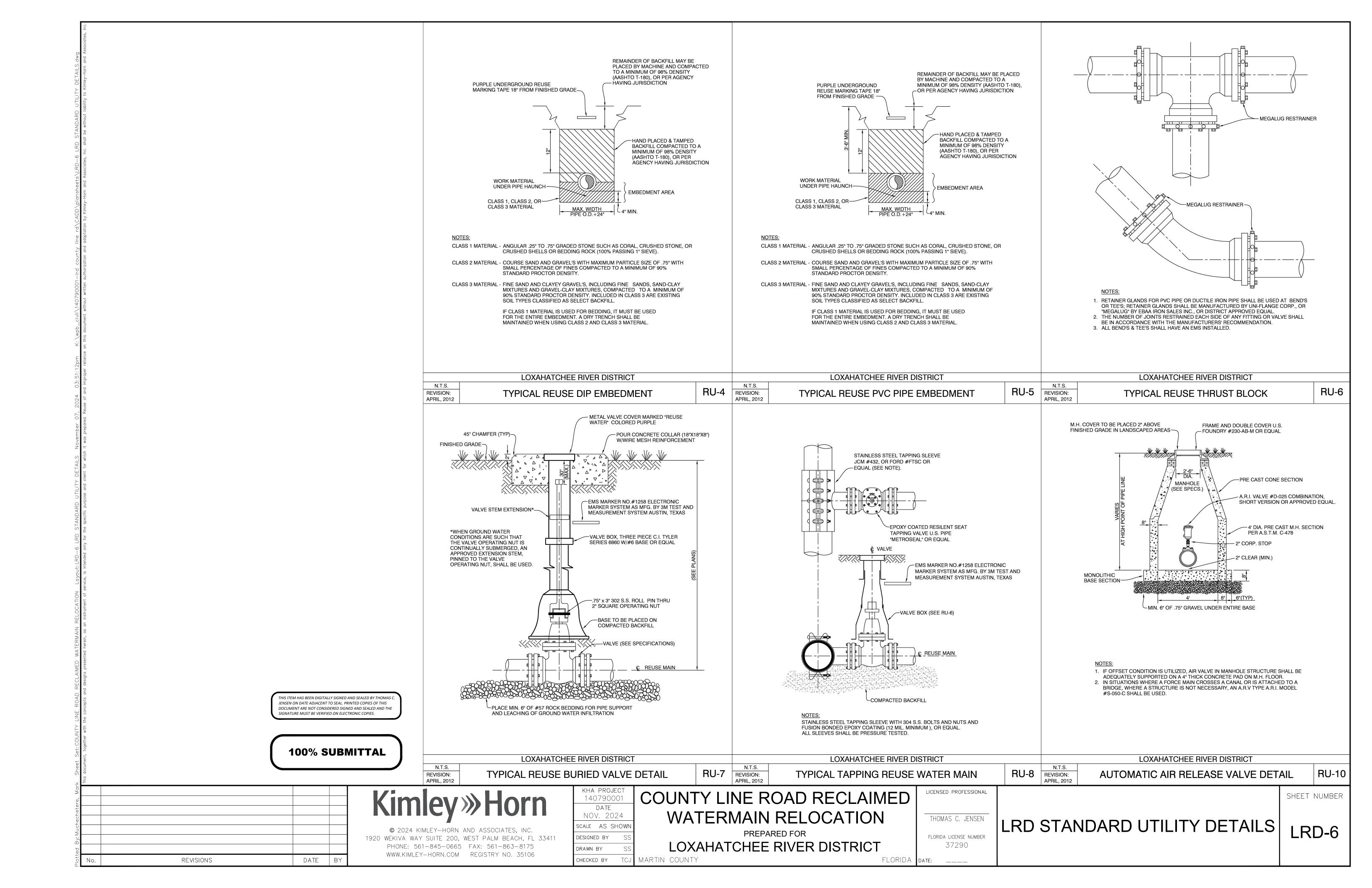
37290

LICENSED PROFESSIONAL

PROFILES AT BORE PIT AND RECEIVING PIT

SHEET NUMBER

LRD-5



MINIMUM LENGTH (FT) TO BE RESTRAINED ON EACH SIDE OF FITTING(S) PIPE SIZE 90° BEND 31 | 38 | 43 | 55 | 10 | 13 | 15 | 18 | 23 | 26 | 45° BEND 22-1/2° BEND 6 8 9 11 13 15 11-1/4° BEND 3 | 4 | 5 | 6 | 8 | 9 | PLUG OR BRANCH OF TEE 50 | 65 | 79 | 90 | 117 | 139 | 163 | 19 | 25 | 32 | 40 | 45 | 59 | 70 | VALVE REDUCER VARIES BY SIZE; TO BE DETERMINED BY THE DESIGN ENGINEER 1. FITTINGS SHALL HAVE RESTRAINED JOINTS UNLESS OTHERWISE INDICATED. 2. INSTALL FULL LENGTH JOINTS WITH TOTAL LENGTH EQUAL TO OR GREATER THAN LENGTH SHOWN IN 3. WHERE TWO OR MORE FITTINGS ARE IN SERIES, SELECT FITTING RESTRAINT LENGTH THAT YIELDS THE LONGEST RESTRAINT DISTANCE. 4. ALL INLINE VALVES SHALL BE RESTRAINED. 5. WHERE INTERNAL RESTRAINED JOINTS ARE USED, THE ENTIRE BELL SHALL BE PAINTED RED. 6. LENGTHS SHOWN IN THE TABLE WERE CALCULATED IN ACCORDANCE WITH PROCEDURES OUTLINED IN "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" GUIDELINES PUBLISHED BY DIPRA, USING THE ASSUMPTIONS SHOWN BELOW: WORKING PRESSURE: 100 PSI SOIL DESIGNATION: SM (SAND SILT) LAYING CONDITIONS: DEPTH OF COVER: 3 FT SAFETY FACTOR: 1.5 CONVERSION FACTOR FOR PVC PIPE: 1.25 THE DESIGN ENGINEER SHALL INCREASE THE VALUES IN THE TABLE AS WARRANTED BY SITE-SPECIFIC PARAMETERS, SUCH AS SOIL DESIGNATIONS AND LAYING CONDITIONS.

RECORD DRAWING SUBMITTAL GUIDE

- 1. TWO (2) SETS OF FULL SIZE PRINTS SHALL BE SUBMITTED TO THE DISTRICT FOR REVIEW 48 HOURS PRIOR TO REQUESTING INSPECTIONS SUCH AS, FINAL INSPECTION, PRESSURE TESTS, SANITARY SEWER LAMPING OR ANY
- OTHER ELEMENT OF THE SYSTEM WHICH IS DETERMINED BY THE DISTRICT TO REQUIRE CLARIFICATION.

 2. THE DRAWINGS WILL BE REVIEWED BY THE DISTRICT FOR DEFICIENCIES. DEFICIENCIES WILL BE INDICATED ON ONE
- (1) SET OF PRINTS WHICH WILL BE RETURNED TO THE E.O.R. OR CONTRACTOR FOR NECESSARY CORRECTIVE ACTION.
 3. UPON CORRECTION, TWO (2) SETS OF FULL SIZE PRINTS (SIGNED/SEALED BY A FLORIDA LICENSED SURVEYOR) SHALL BE SUBMITTED AND A GEOREFERENCED DESIGN AUTOCAD FILE (VERSION 2020 OR LATER).
- NO DISCLAIMERS ON DRAWINGS WILL BE ACCEPTED.
 UPON FINAL SUBMITTAL OF RECORD DRAWINGS, A GEOREFERENCED AUTOCAD FILE (VERSION 2020 OR LATER) AND
 AN ADOBE PDF 24"X36" FILE SHALL BE FURNISHED ON A CD/DVD DISK, THUMB DRIVE OR DOWNLOADABLE LINK EMAILED
 TO THE DISTRICT. ONLY (1) CAD FILE WITH ALL SHEETS OF RECORD DRAWINGS ALLOWED.

REQUIRED INFORMATION ON RECORD DRAWINGS

GENERAL:

. DRAWINGS ON 24" X 36" BOND PAPER THAT WILL REPRODUCE LEGIBLY.

- 2. LABEL EACH PLAN SHEET "RECORD DRAWINGS" WITH DATE, COMPLETED TITLE BLOCK WITH CURRENT FILE NAME, SIGNED & SEALED BY A FLORIDA LICENSED PROFESSIONAL LAND SURVEYOR.
- . ALL SEWER ITEMS SHALL BE CATEGORIZED AND ASSIGNED TO THE DRAWING LAYERS SUCH AS: AB-MANHOLES, AB-FORCEMAIN, AB-VALVE, AB-GRAVITY MAIN, ETC.
- 4. REDRAW ALL SEWER LINES AND INFRASTRUCTURE ON RECORD DRAWINGS AS CONSTRUCTED HORIZONTALLY & VERTICALLY, BOLD, OR HEAVY LINE WORK & TEXT CALL OUTS TO STAND OUT FROM REST OF DRAWING. USING ORIGINAL DESIGN LINEWORK & ONLY UPDATING THE CORRESPONDING TEXT CALLOUTS WILL NOT BE ACCEPTED AS
- 5. ALL ITEMS LISTED BELOW MUST BE CORRECTLY GEOREFERENCED WITH NORTHINGS/EASTINGS CLEARLY SHOWNED.
 THE AS BUILTS SHALL BE GEOREFERENCED TO THE STATE PLANE COORDINATES IN NAD 83, FLORIDA EAST ZONE,
 WHILE THE VERTICAL DATUM SHALL BE NGVD 29.

GRAVITY SEWER:

- . AS-BUILT DISTANCE OF GRAVITY MAIN FROM CENTER LINE OF ROAD OR EASEMENT RIGHT- OF-WAY LINE, BUILDINGS, OR AS DETERMINED BY THE LOXAHATCHEE RIVER DISTRICT. EXTENSIONS OF AN IMAGINARY LINE WILL NOT BE ACCEPTABLE AS REFERENCED POINTS.
- 2. TYPE OF MATERIALS INSTALLED MAINS AND SERVICES.
- 3. SHOW EACH SEWER SERVICE LATERAL INCLUDING THE CONNECTION TO THE MAIN AND PROVIDE THE NORTHING &
- EASTING POINTS FOR EACH CLEANOUT & INDICATE CLEANOUT DIAMETER & INVERT ELEVATION.

 AS-BUILT LOCATIONS OF MANHOLES WITH A NORTHING & FASTING PROVIDED.
- 5. AS-BUILT ELEVATIONS, RIM ELEVATION, EACH INVERT AND PIPE SLOPE.
- 6. UPDATE LIFT STATION DETAILS/ELEVATIONS INCLUDING START UP DATA.
- 7. LIFT STATION AND UTILITY EASEMENTS, INCLUDING LOCATION OF F.P.&L. SERVICE TO CONTROL PANEL.

DDESSI IDE DIDE:

- 1. AS BUILT DISTANCE OF FORCE MAINS AT 100' INTERVALS FROM CENTER LINE OF ROAD, EASEMENT, RIGHT-OF-WAY LINE, BUILDINGS, SEWER MAINS OR AS DETERMINED BY THE LOXAHATCHEE RIVER DISTRICT. EXTENSIONS OF AN IMAGINARY LINE WILL NOT BE ACCEPTABLE AS REFERENCED POINTS.
- 2. SHOW ELEVATIONS, NORTHING/EASTING OF EACH VALVE, FITTING, AIR RELEASE VALVE, SERVICE LINE, TAP, ETC.
 3. TYPE OF MATERIALS INSTALLED PIPE AND APPURTENANCES. INDICATE ALL LOCATIONS OF CHANGE OF MATERIAL INCLUDING JOINT TYPE (M.J., SLIP, RESTRAINED).
- INCLUDING JOINT TYPE (M.J., SLIP, RESTRAINED).

 4. VALVE TYPE (BUTTERFLY, GATE, PLUG) INCLUDING THE NORTHING & EASTING POINT.
- AS BUILT LENGTH OF ALL JACK AND BORE CASINGS INDICATING DISTANCE FROM CENTER LINE OF PAVING TO EACH END OF CASING. THE AS BUILT INVERT ELEVATION OF EACH END OF CASING, (INCLUDING NORTHING/EASTING) AND AS BUILT DISTANCE FROM EACH END OF CASING TO LIMITS OF MECHANICAL JOINT PIPE IS ALSO REQUIRED.
 AS BUILT ELEVATIONS AT 100' INTERVALS AS WELL AS ANY MAJOR CHANGES IN DIRECTION AND/OR ELEVATION.
- ELEVATIONS SHOWN AT THESE INTERVALS AND CHANGES MUST SHOW TOP OF PIPE ELEVATION, NORTHING/EASTING AND FINISHED GRADE ELEVATION AT THAT LOCATION. SHOW LOCATION OF EMS MARKERS.

 7. UTILITY EASEMENTS SHALL BE CORRECTLY SHOWN AND DIMENSIONED WITH REFERENCED SEWER FACILITY.

SEPARATION REQUIREMENTS

62-555.314 F.A.C. AUGUST 28, 2003

- 1. HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.
- A. NEW OR RELOCATED UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
- B. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.
- C. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.
- 2. VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER DIDE: 1015
- A. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
- B. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESURE- TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATERMAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
- C. AT THE UTILITY CROSSING DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY- OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

*REQUIRED BY: HRS, STATE OF FLORIDA, PALM BEACH COUNTY PUBLIC HEALTH UNIT

	7. UTILITY EASEMENTS SHALL BE CORRECTLY SHOWN AND DIMENSIONED WITH REFERENCED SEWER FACILITY.	
LOXAHATCHEE RIVER DISTRICT	LOXAHATCHEE RIVER DISTRICT	LOXAHATCHEE RIVER DISTRICT
	REVISION: AUG, 2022 RECORD DRAWING SUBMITTAL GUIDE SD-29	N.T.S. REVISION: APRIL, 2012 STANDARD WATER AND SEWER SEPARATION STATEMENT SD-30

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Kimley» Horn

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140790001

DATE
NOV. 2024

SCALE AS SHOWN
DESIGNED BY SS

RAWN BY

HECKED BY

COUNTY LINE ROAD RECLAIMED WATERMAIN RELOCATION

PREPARED FOR

LOXAHATCHEE RIVER DISTRICT

FLORIDA LICENSE NUMBER 37290

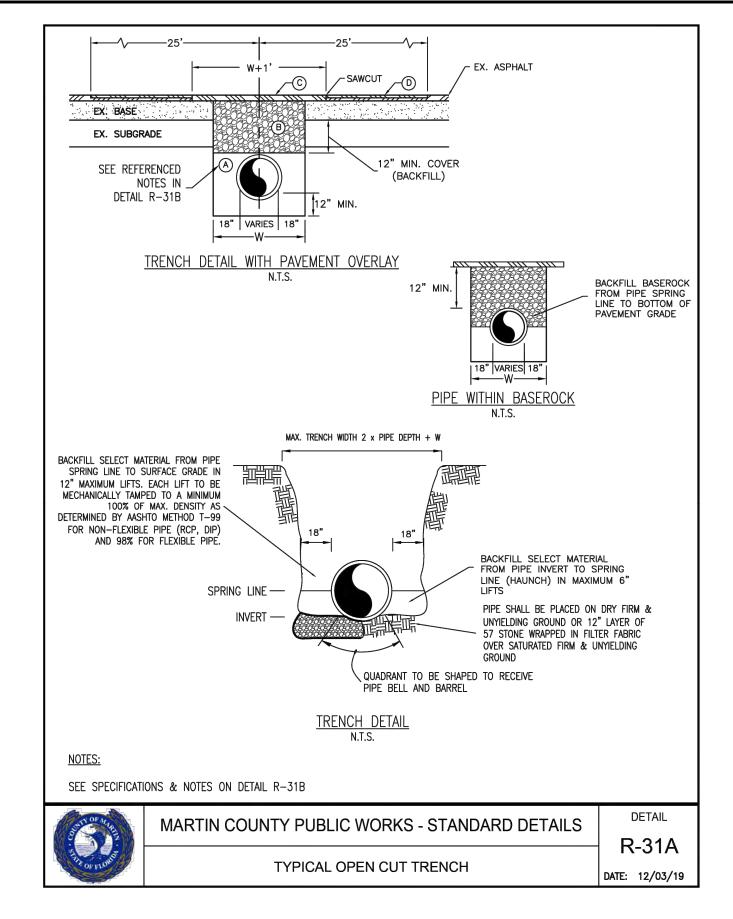
FLORIDA DATE:

LICENSED PROFESSIONAL

THOMAS C. JENSEN

LRD STANDARD UTILITY DETAILS

LRD-



- A. PROVIDE CLEAN BACKFILL. BACKFILL SHALL BE REPLACED IN 12" LIFTS. EACH LIFT SHALL BE MECHANICALLY COMPACTED TO A MINIMUM 100% DENSITY AS DETERMINED BY AASHTO T-180, METHOD "C" (MINIMUM LBR OF 40).
- B. BASE ROCK MATERIAL SHALL BE A MINIMUM OF 2' THICK AND BE PLACED IN 6" LIFTS OR AS OTHERWISE APPROVED AND EACH LAYER THOROUGHLY MECHANICALLY COMPACTED TO 100% DENSITY AS DETERMINED BY AASHTO T-180. ALL BASE MATERIAL MUST MEET FOOT SPECIFICATIONS FROM A CERTIFIED MINING OPERATION. DEPTH OF BASE MATERIAL VARIES ON ROADWAY TYPE AS PER MARTIN COUNTY PUBLIC WORKS STANDARD DETAIL R-10.

A. A TEMPORARY PATCH SHALL BE NO LESS THAN 2" THICK OR MATCH EXISTING PAVEMENT THICKNESS, WHICHEVER IS GREATER. ASPHALT PATCHES MUST BE OF A HOT MIX TYPE FRICTION COURSES. MARTIN COUNTY DOES NOT ALLOW COLD PATCH IN COUNTY MAINTAINED ROADWAYS. THE PATCH IS TO REMAIN 30 DAYS AT MINIMUM TO ASSURE ANY

- SETTLING OF THE ROADWAY TRENCH HAS TAKEN PLACE. B. MILL 1" OF ASPHALT A MINIMUM OF 25' FROM CENTER OF TRENCH ON BOTH SIDES, SEE NOTE #1. PAVE AND
- COMPACT 1" OF SP-9.5 OR MATCH EXISTING TYPE OF FRICTION COURSE. C. WHEN OPEN CUT IS PARALLEL TO TRAVEL LANE, THE FULL ROADWAY SECTION IS REQUIRED TO BE RESURFACED 10'
- BEYOND TRENCH IN EACH DIRECTION OF TRAVEL.
- ASPHALT MIX TO CONTAIN NO MORE THAN 30% RECLAIMED ASPHALT PAVEMENT (R.A.P.). E. ASPHALT PAVEMENT PATCH SHALL BE PLACED WITHIN 72 HOURS AFTER TRENCH HAS BEEN BACKFILLED.

1. ANY OPEN CUT OF PAVEMENT MUST BE REVIEWED BY THE COUNTY ENGINEER PRIOR TO ANY WORK BEING DONE IN COUNTY MAINTAINED RIGHT-OF-WAY. DEPENDING ON THE LOCATION OF THE OPEN CUT ADDITIONAL MILLING AND PAVING

- MAY BE REQUIRED; ALL PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED. 2. ALL MATERIAL USED WITHIN THE ROADWAY MUST MEET FDOT SPECIFICATIONS AND BE SUPPLIED FROM A FDOT CERTIFIED MINING OPERATION AND ASPHALT PLANT.
- . A MINIMUM OF TWO DENSITY TESTS SHALL BE TAKEN FOR EACH SIX (6) INCH LIFT OF SUB GRADE AND EACH OPEN CUT CROSSING. WHEN THE SPECIFIED COMPACTED BASE IS GREATER THAN SIX AND ONE-HALF (6 1/2") INCHES THE BASE SHALL BE CONSTRUCTED IN TWO OR MORE COURSES. PROCTORS FOR MATERIALS USED IN BACK-FILLING SHALL BE OBTAINED BY A CERTIFIED LABORATORY. DENSITY TESTS SHALL BE CONDUCTED BY A CERTIFIED LABORATORY. THE PERCENTAGE OF MAXIMUM DENSITY REQUIRED SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS. A COPY OF ALL COMPLETED AND ACCEPTED DENSITY
- TESTS SHALL BE FURNISHED TO THE COUNTY ENGINEER'S OFFICE PRIOR TO FINAL INSPECTION. 4. CRUSHED CONCRETE MAY NOT BE USED WITHIN COUNTY-MAINTAINED ROADWAY.



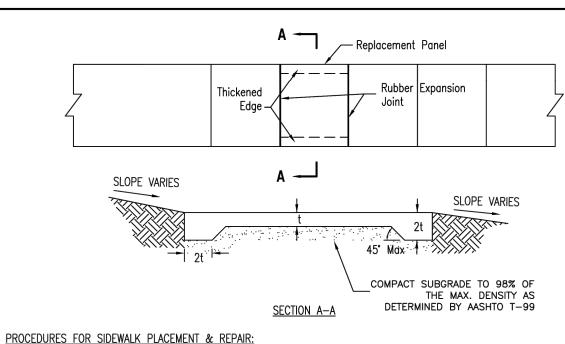
MARTIN COUNTY PUBLIC WORKS - STANDARD DETAILS

TYPICAL OPEN CUT TRENCH

DETAIL R-31B DATE: 12/03/19

UNDERGROUNI PIPELINE LOXAHATC HEE DISTRICT UNDERGROÚND — 2‡" WIDE U — CHANNEL POST GREEN BAKED ENAMEL FINISH 1.12 Lbs./Ft. PIPELINE — (1)80 LB. BAG OF CONCRETE MIX (4,000 PSI) LOXAHATCHEE DISTRIC SIGNS SHALL BE 6" WIDE X 12" LONG, ALUMINUM (0.080 GA.). SIGN COLOR IS WHITE WITH BLACK LETTERING. ROUNDED CORNERS (1.5" RAD.), 2 HOLES (3/8" DIAM.), 10" O.C.

UTILITY CROSSING SIGN



PROCEDURES FOR SIDEWALK PLACEMENT & REPAIR:

- REMOVE EXISTING SIDEWALK TO THE FULL WIDTH FROM CONTROL JOINT TO CONTROL JOINT (I.E. ONE "SECTION")
- COMPLETELY REMOVE ANY STRUCTURE, POLE OR DEVICE LOCATED WITHIN SECTION TO BE REPLACED. BACKFILL ANY VOID CREATED OR CAUSED BY REMOVAL OF SUCH STRUCTURE, POLE OR DEVICE AND COMPACT TO 98% OF
- . COMPACT SOIL UNDER PROPOSED SIDEWALK AND 12" BEYOND EACH SIDE OF SIDEWALK (WHEN RIGHT-OF-WAY ALLOWS) TO 98% OF AASHTO T-99
- CONCRETE PREP AERATION AND PLACEMENT:
- a) INSTALL EXPANSION JOINT AT ALL COLD JOINTS FLUSH WITH THE SURFACE OF THE SIDEWALK 1) EXPANSION JOINT MATERIAL SHALL MEET THE AASHTO M153 STANDARD FOR TYPE IV: POLYURETHANE-BONDED RECYCLED RUBBER. FIBER EXPANSION JOINT MATERIAL SHALL NOT BE UTILIZED.
- b) INSTALL 4" MINIMUM THICKNESS SIDEWALK OR MATCH EXISTING THICKNESS IF GREATER THAN 4".
- 2) CONCRETE LOAD TICKETS SHOULD BE KEPT FOR FINAL INSPECTION AND SIGN-OFF
- c) SCREED THE CONCRETE PERPENDICULAR TO THE FORMS TO OBTAIN THE REQUIRED GRADE AND REMOVE SURPLUS
- STRAIGHTEDGE, OR MORE THAN 1/8" ON A 5 FOOT TRANSVERSE SECTION. FINISH THE EDGE OF THE SIDEWALK WITH AN EDGING TOOL HAVING A RADIUS OF 1/2".
- REPAIR ALL RUTS AND/OR SOD THAT HAS BEEN DAMAGED. REGRADE WORK AREA AND PLACE NEW SOD IN ALL
- PEDESTRIAN SAFETY: ENSURE A PEDESTRIAN PATH IS SAFELY MAINTAINED IN ACCORDANCE WITH FDOT STANDARD PLAN

NOTE: ANY ADDITIONAL SECTION OF SIDEWALK THAT ABUTS THE WORK AREA AND IS DEEMED UNSAFE BY THE COUNTY



MARTIN COUNTY PUBLIC WORKS - STANDARD DETAILS

SIDEWALK REPLACEMENT / REPAIR

R-42 DATE: 12/03/19

DETAIL

E				
No.	REVISIONS	DATE	BY	

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Kimley» Horn

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COUNTY LINE ROAD RECLAIMED WATERMAIN RELOCATION

PREPARED FOR

LOXAHATCHEE RIVER DISTRICT FLORIDA DATE:

FLORIDA LICENSE NUMBER 37290

LICENSED PROFESSIONAL

THOMAS C. JENSEN

MARTIN COUNTY PUBLIC WORKS - STANDARD DETAILS

LRD-8

GENERAL CONSTRUCTION NOTES

- 1. 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.
- 2. 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.
- 3. 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

COMCAST CABLE 10435 IRONWOOD ROAD PALM BEACH GARDENS, FL 33410 PROJECT CONTACT: MIYA FISHER PHONE NUMBER: (561) 454-5846

ATT UTILITY COORDINATOR 2315 GEES MILL BUSINESS PKWY NE CONYERS, GA 30013 PROJECT CONTACT: PAUL HERRON PHONE NUMBER: (561) 281-5302

FLORIDA POWER & LIGHT 4200 W FLAGLER ST MIAMI, FL 33134 PROJECT CONTACT: JOEL BRAY PHONE NUMBER: (386) 536-6403

- 4. 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.
- 5. 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.
- 6. 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.
- 7. 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.
- 8. 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.
- 9. 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.
- 10. 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.
- 11. 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.
- 12. ALL RECORD DRAWINGS SHALL BE PROVIDED IN NAVD 1988.
- 13. 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.
- 14. ALL ELEVATIONS SHOWN REFER TO NAVD 1988.
- 15. 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

- 1. 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.
- 2. 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.
- 3. ALL OUTLETS, ELECTRICAL CONDUITS AND SERVICES TO REMAIN AND BE PROTECTED THROUGHOUT THE PROJECT DURATION.
- 4. 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.
- 5. THE CONTRACTOR SHALL GRADE THE SITE TO RESTORE THE EXISTING DRAINAGE PATTERNS AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL.

- 6. AREAS INDICATED AS PAVEMENT SHALL BE REPAIRED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AND AS INDICATED ON THE
- 7. 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.
- 8. 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.
- 9. 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.
- 10. 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.
- 11. SOD, AND FENCE, WHERE REQUIRED FOR RESTORATION, MUST BE INSTALLED TO MATCH EXISTING AND MAINTAINED THROUGH PROJECT

WATER UTILITY NOTES

- 1. ALL MATERIALS TO BE PROVIDED SHALL BE IN ACCORDANCE WITH THE VILLAGE OF TEQUESTA'S APPROVED MATERIALS LIST AND DESIGN STANDARDS.
- 2. 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.
- 3. 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.
- 4. UNLESS OTHERWISE NOTED, PROPOSED WATER MAIN TO BE POLYVINYL CHLORIDE PIPE (PVC) PIPE. ALL FITTINGS AND VALVES TO BE MECHANICAL JOINT UNLESS OTHERWISE NOTED.
- A. 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.
- B. PVC PIPE ALL PRODUCTS SHALL BE AS SPECIFIED BY THE VILLAGE STANDARDS. IF NO STANDARD EXISTS, THE FOLLOWING SHALL BE USED:
 - a. AWWA C-900 AND C-905 PVC PIPE
 - b. 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.
 - c. FITTINGS USED IN CONJUNCTION WITH THE C-900 PVC PIPE SHALL BE AWWA DUCTILE IRON FITTINGS.
- d. PVC WATERMAIN SHALL BE BLUE IN COLOR.
- C. HDPE PIPE ALL PRODUCTS SHALL BE SPECIFIED BY THE VILLAGE STANDARDS. D. 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.
- 5. 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.
- 7. 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.
- 8. 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.
- 9. 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.
- 10. UNDERGROUND LINES SHALL BE SURVEYED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR BEFORE BACK FILLING. SEE SPECIFICATION FOR ADDITIONAL REQUIREMENTS.
- 11. ALL WATER MAIN CONSTRUCTED ON THIS PROJECT SHALL BE RESTRAINED PER VILLAGE OF TEQUESTA STANDARD DETAILS.
- 12. 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.
- 13. 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.
- 14. 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.

VILLAGE OF TEQUESTA,

- 15. TAPS SHALL NOT BE MADE CLOSER THAN 8" OR TWICE THE PIPE DIAMETER, WHICHEVER IS GREATER.
- 16. ALL LINES SHALL BE BACTERIOLOGICALLY EVALUATED IN ACCORDANCE WITH RULE 62.555 340 FAC.

EROSION CONTROL NOTES

- 1. 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.
- 2. 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.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. THE CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
- 7. 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.
- 8. 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.
- 9. 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.
- 10. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.
- 11. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE.
- 12. 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:

- 1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.
- 2. 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.
- 3. 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.

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 WALLS AND UNDERGROUND METAL OR CONCRETE PIPE WILL HAVE BLUE STRIPED APPLIED TO THE PIPE WALL. PIPE STRIPED DURING MANUFACTURING OF THE PIPE WILL HAVE CONTINUOUS STRIPED 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]

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040097046 DATE OCT. 2023 SCALE AS SHOW ESIGNED BY

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COUNTY LINE ROAD WATERMAIN AND RAW WATERMAIN RELOCATION PREPARED FOR

VILLAGE OF TEQUESTA

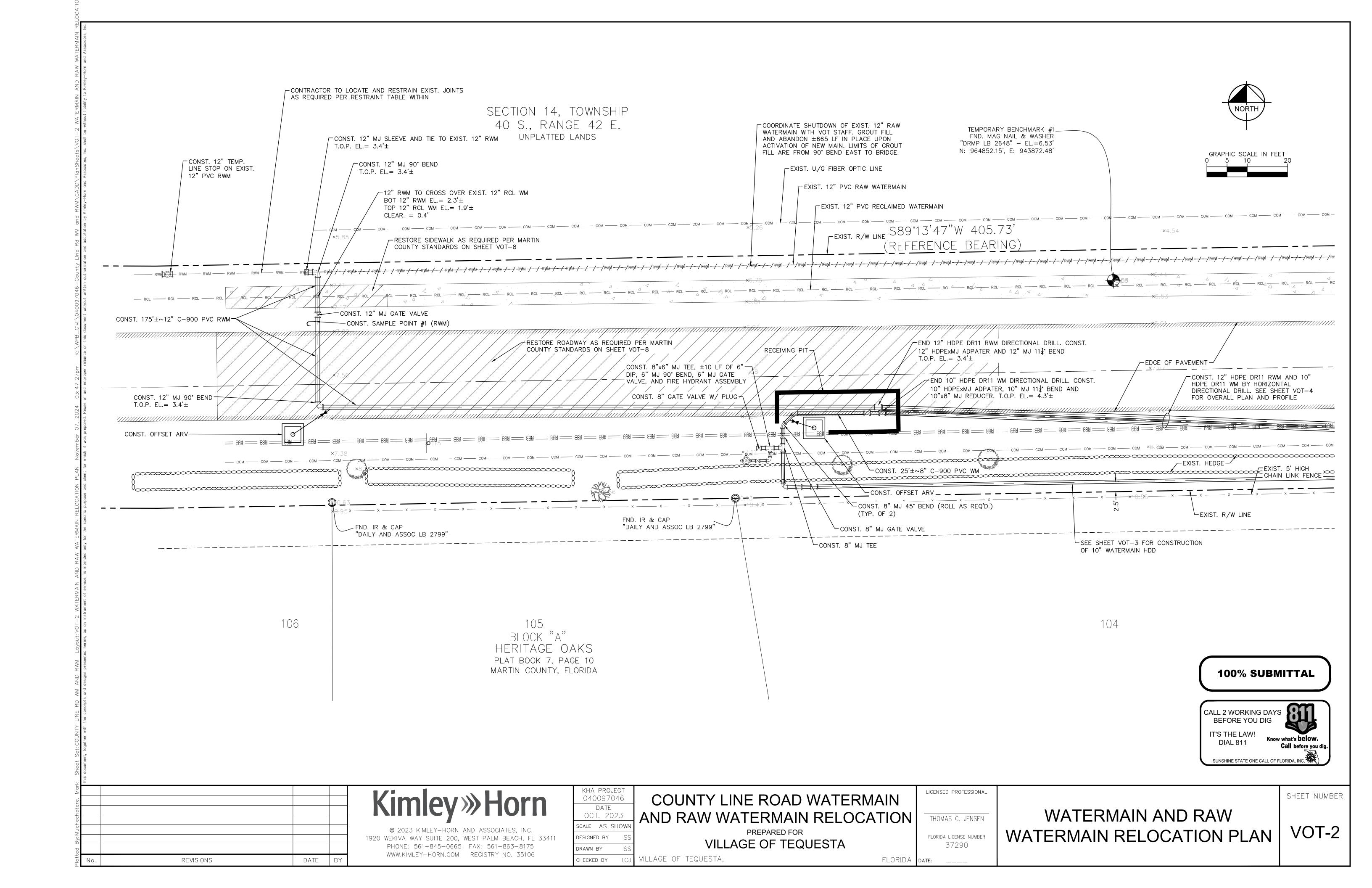
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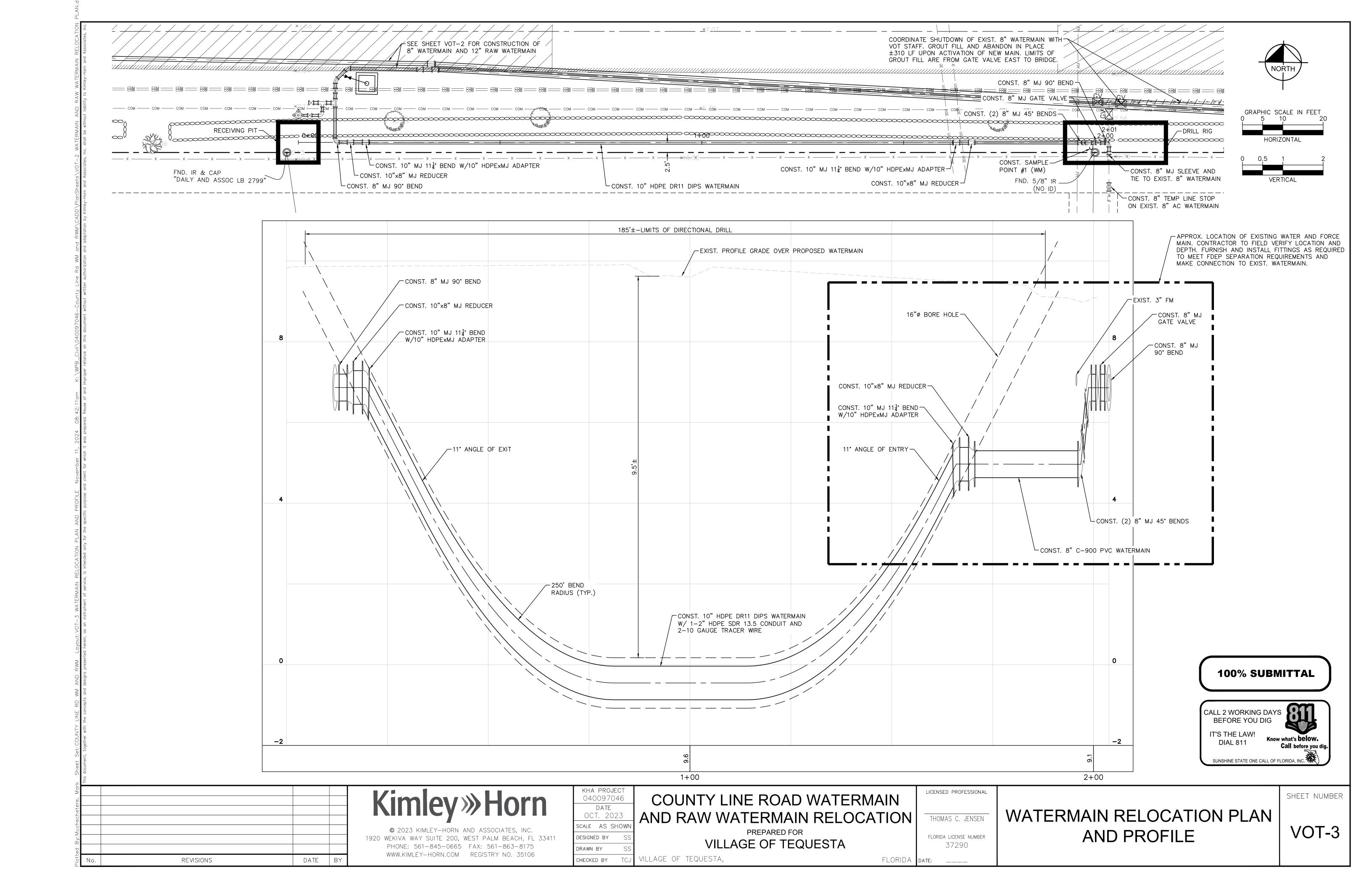
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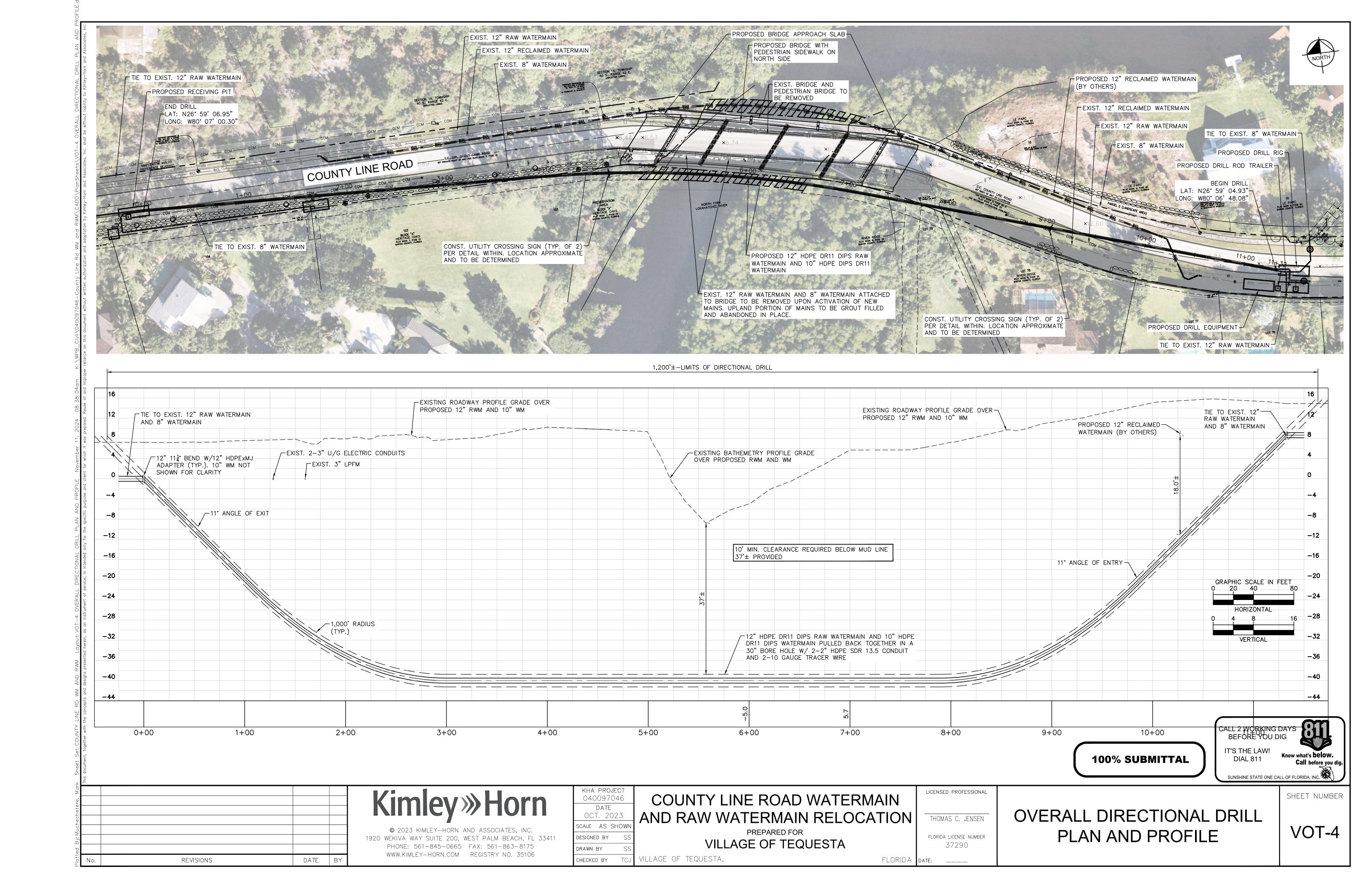
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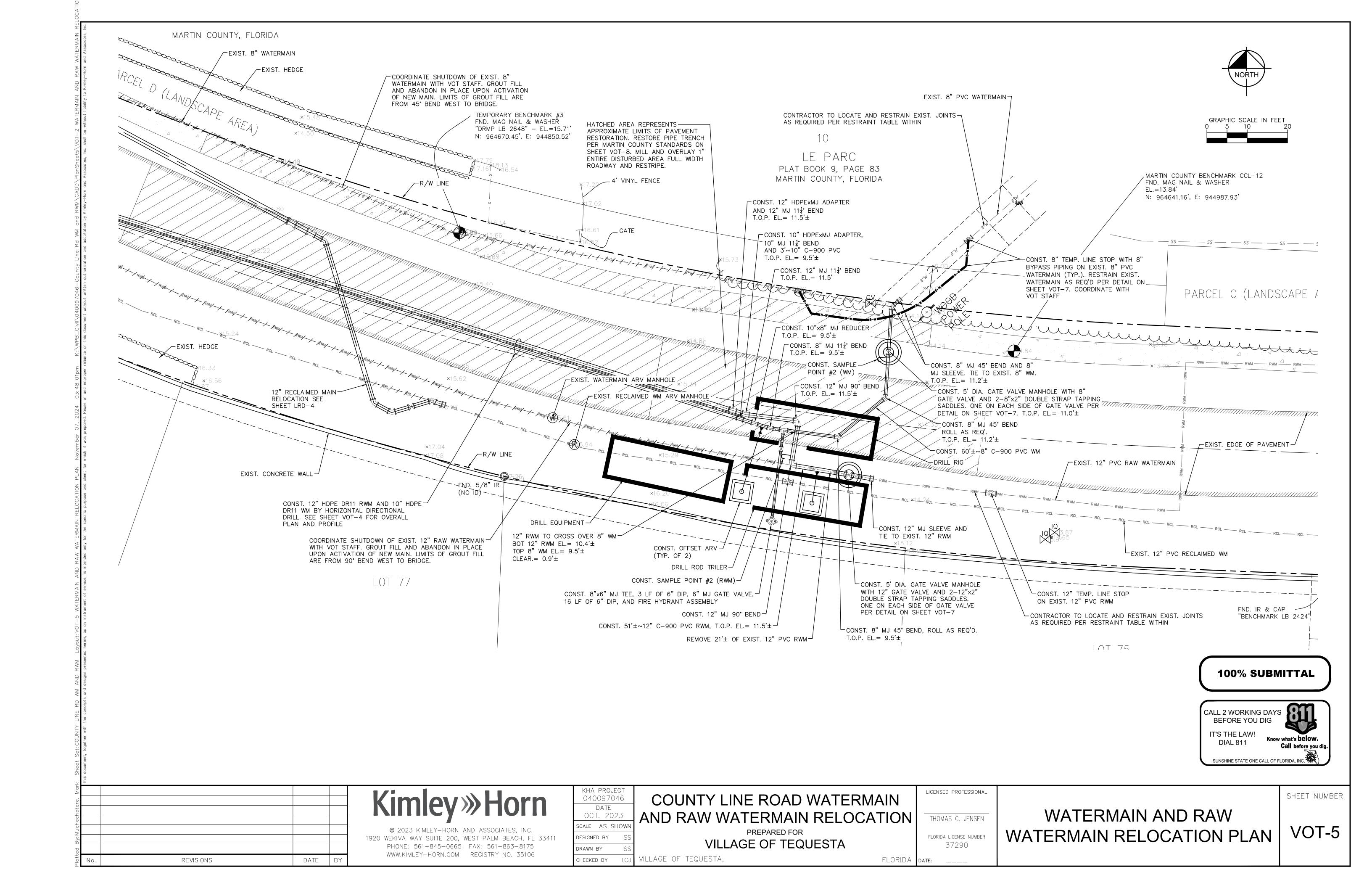
THOMAS C. JENSEN

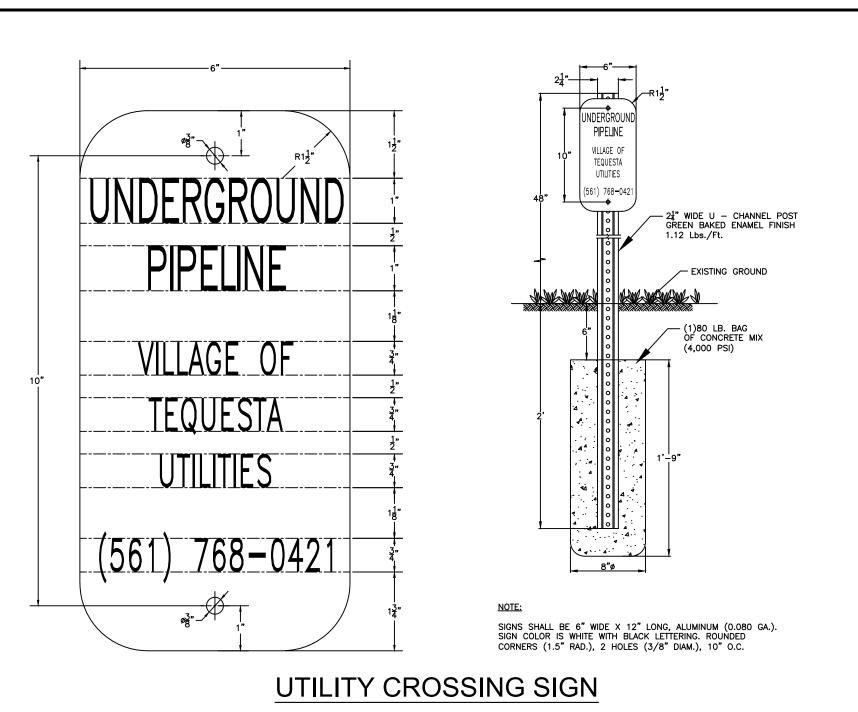
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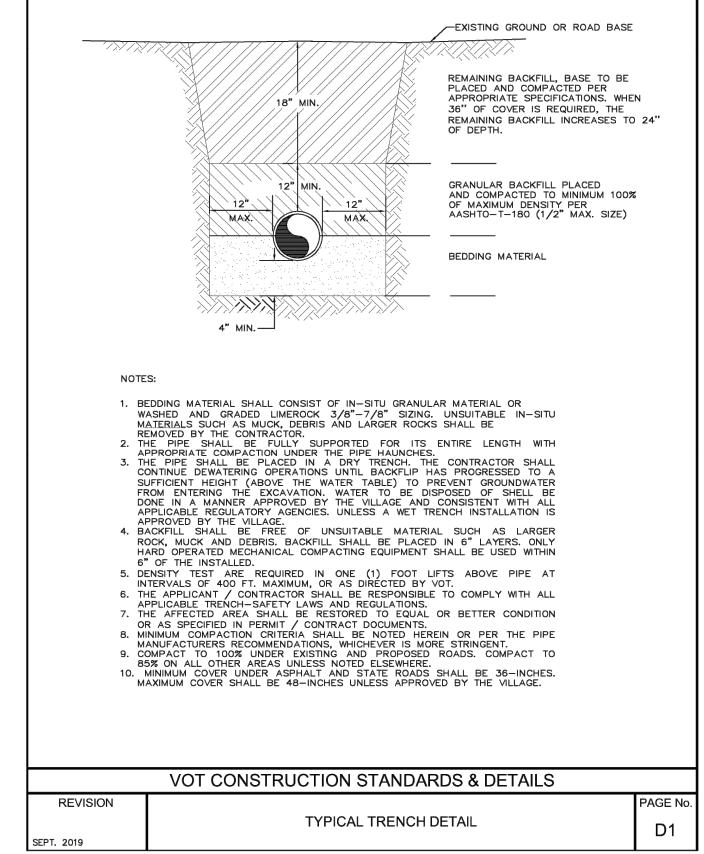


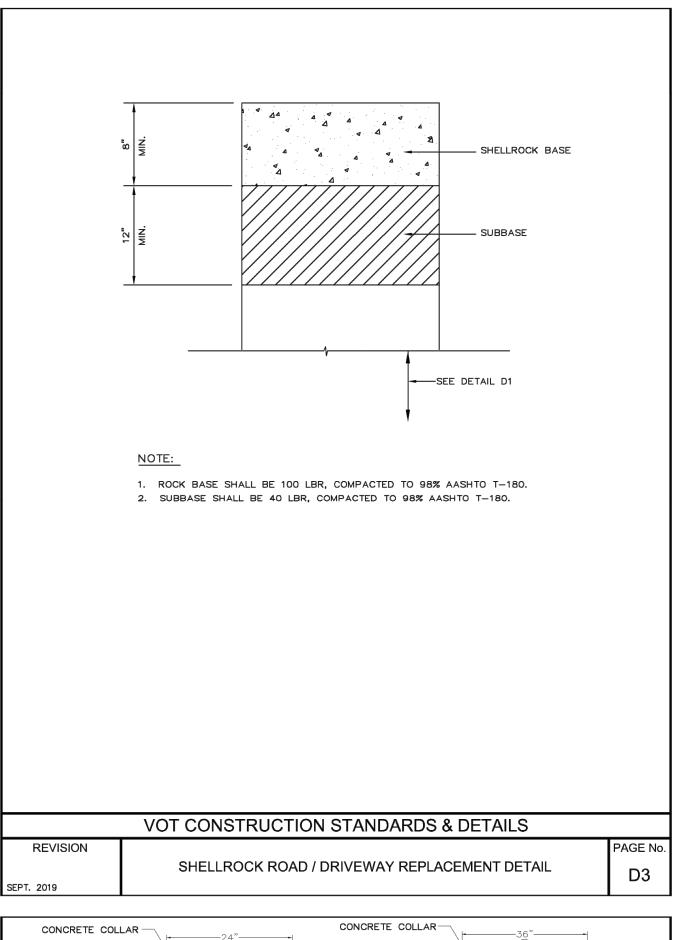


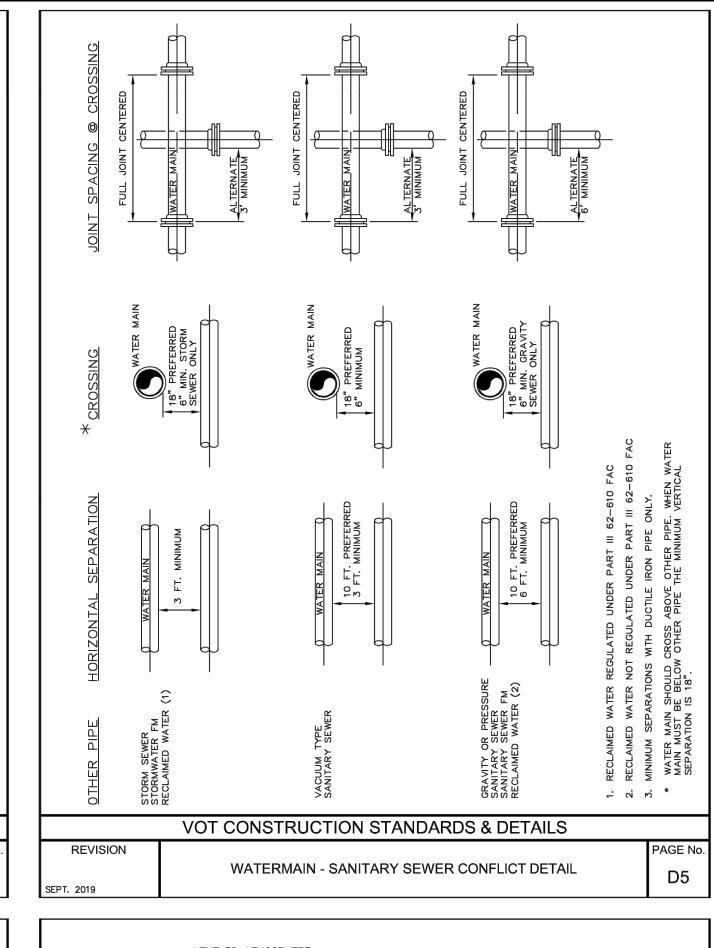


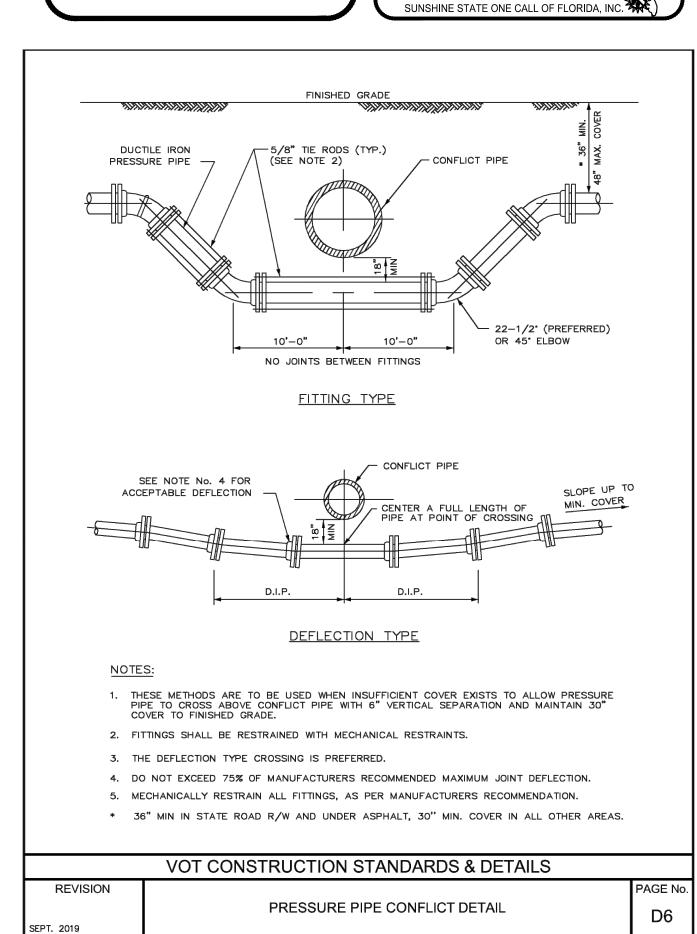


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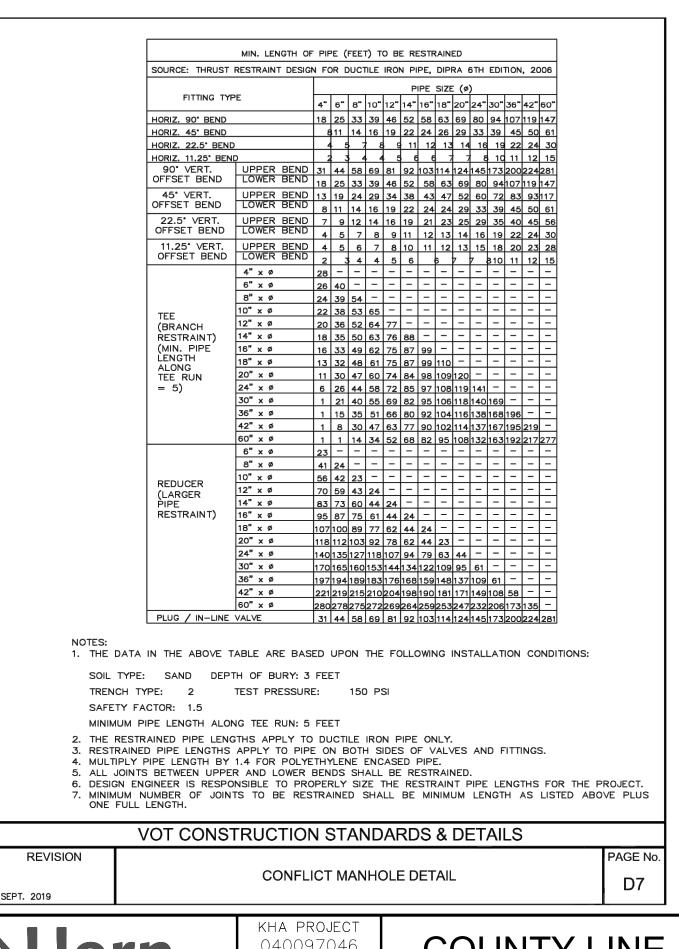


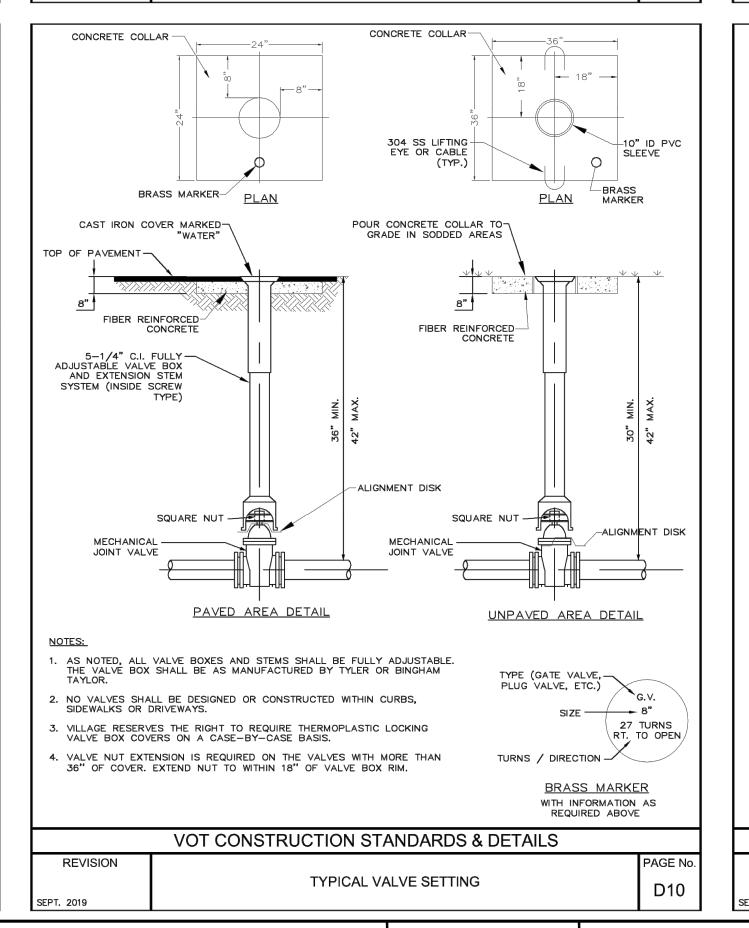


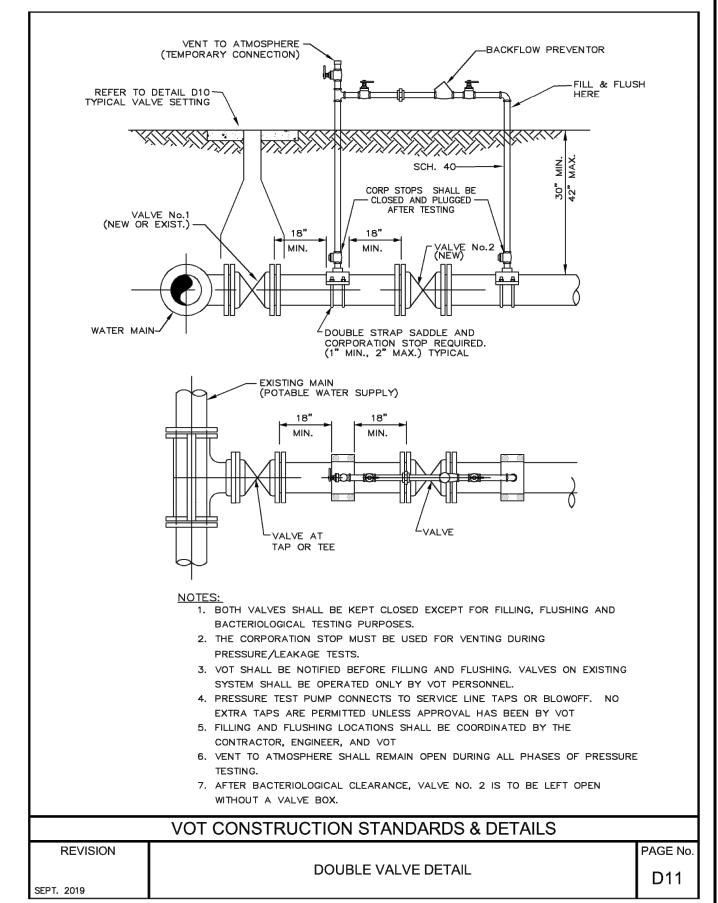
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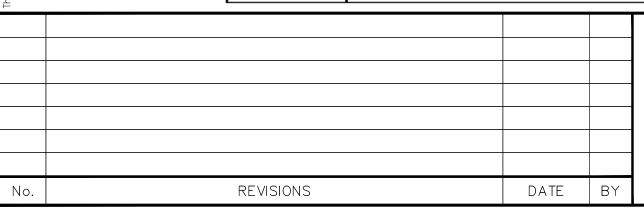
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KHA PROJECT
040097046

DATE
OCT. 2023

SCALE AS SHOWN

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DRAWN BY SS

HECKED BY

VILLAGE OF TEQUESTA,

COUNTY LINE ROAD WATERMAIN AND RAW WATERMAIN RELOCATION

PREPARED FOR
VILLAGE OF TEQUESTA

THOMAS C. JENSEN

FLORIDA LICENSE NUMBER

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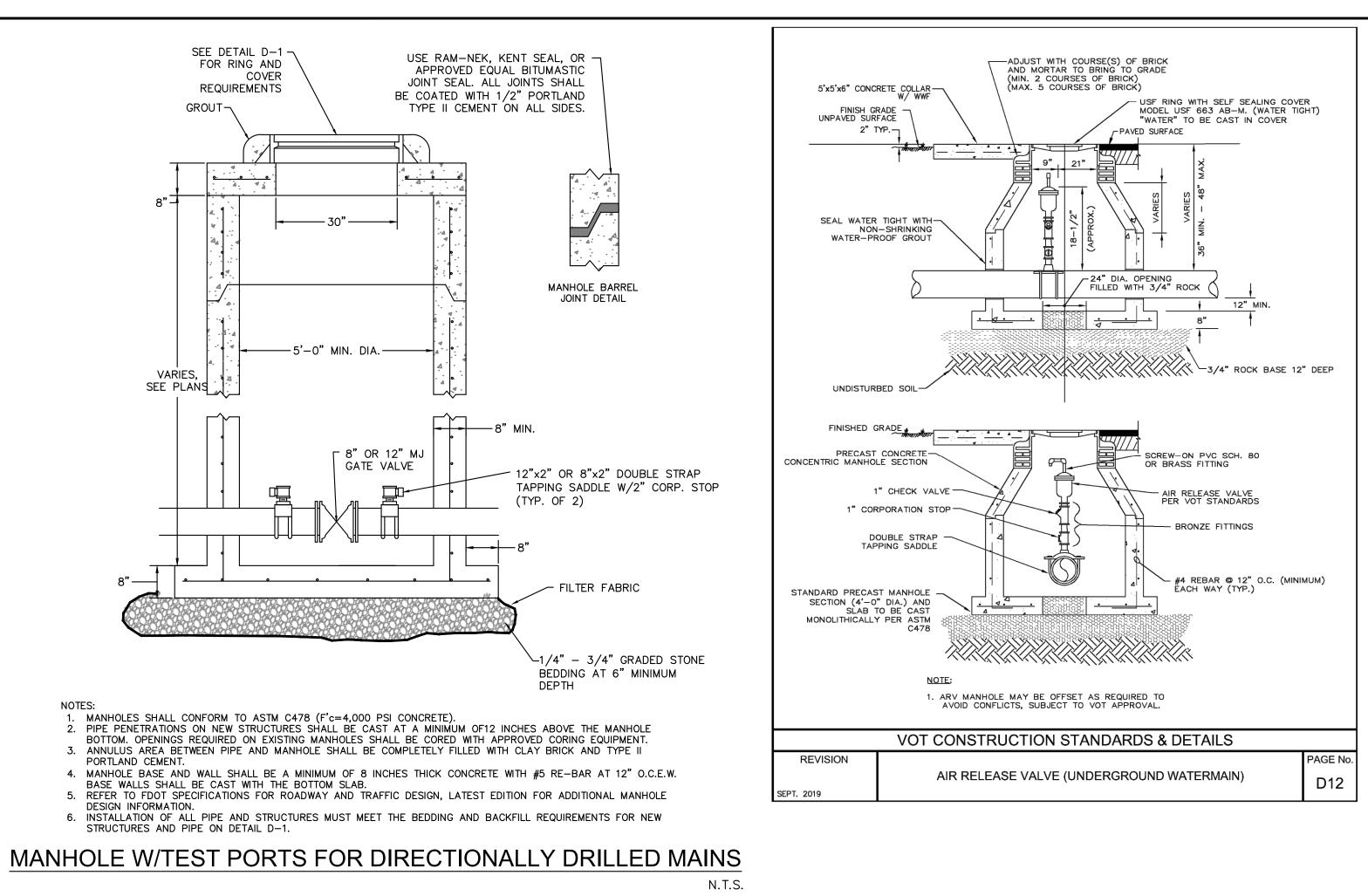
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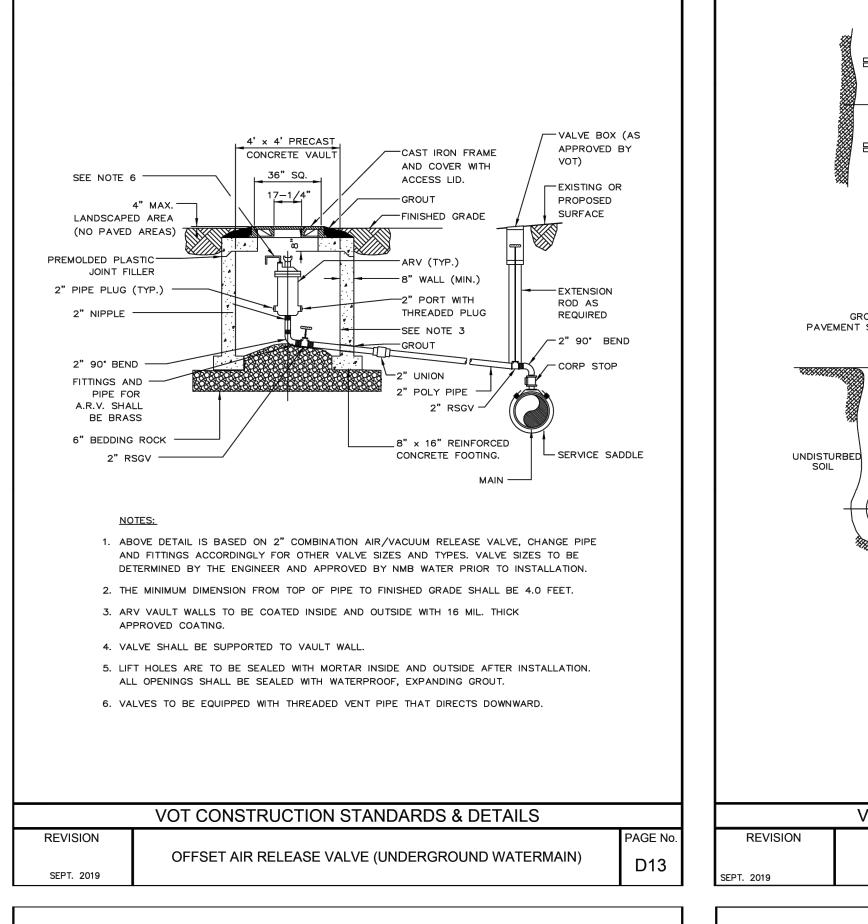
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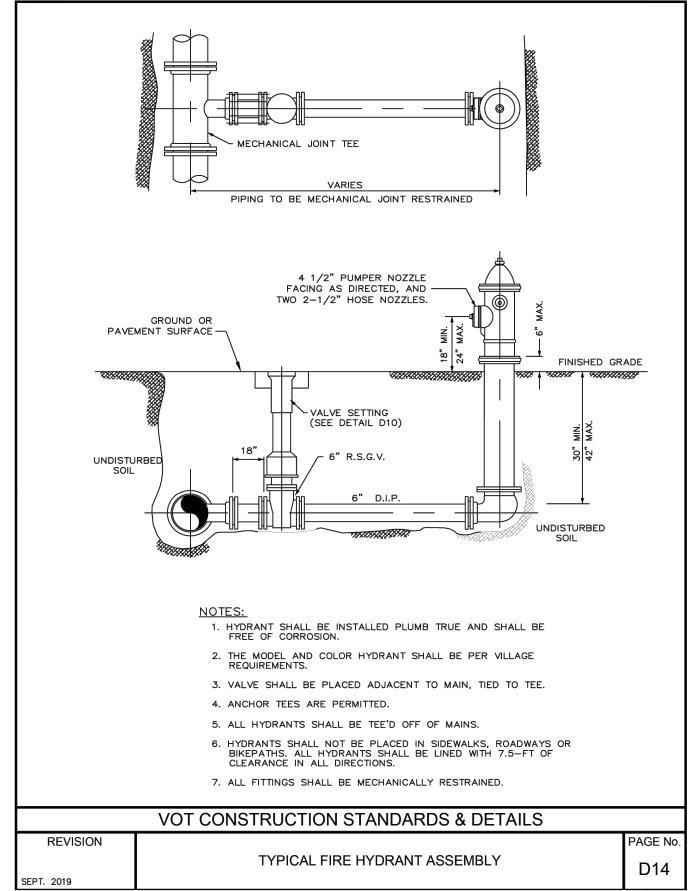
V.O.T. STANDARD DETAILS

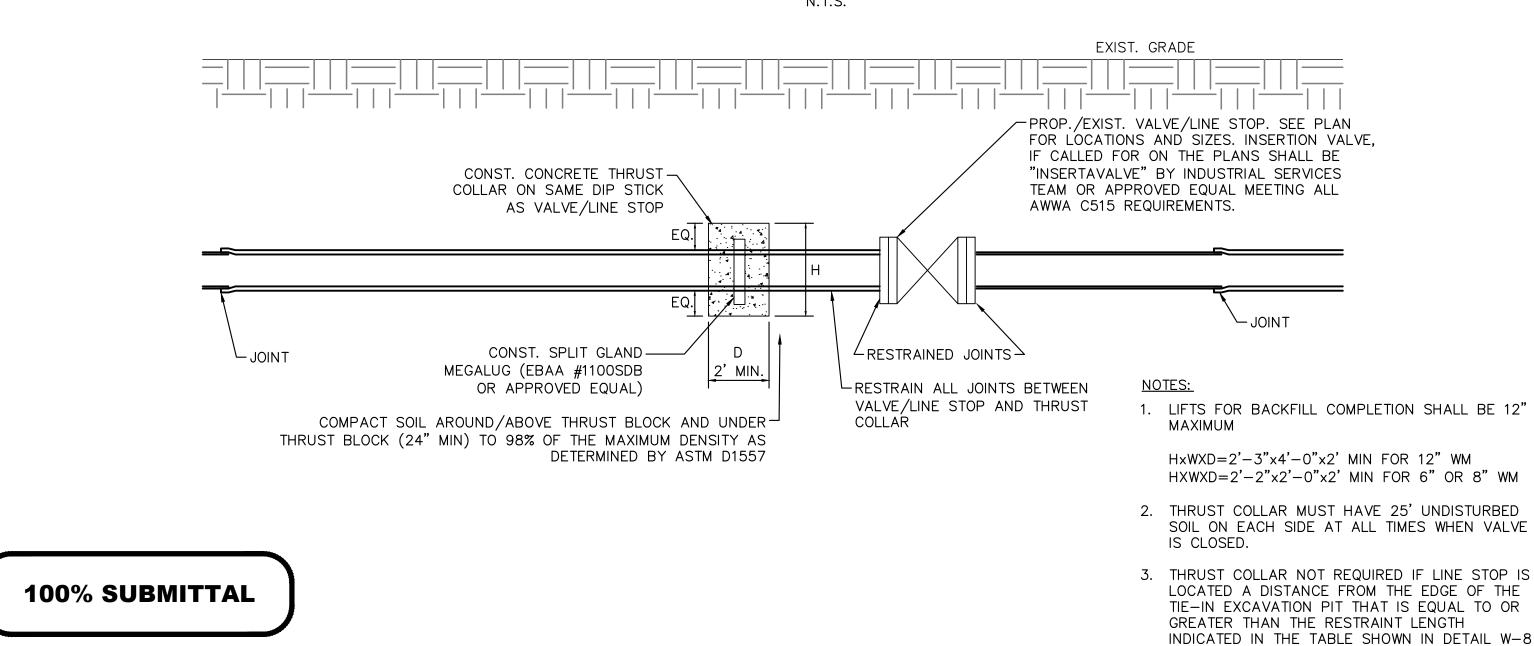
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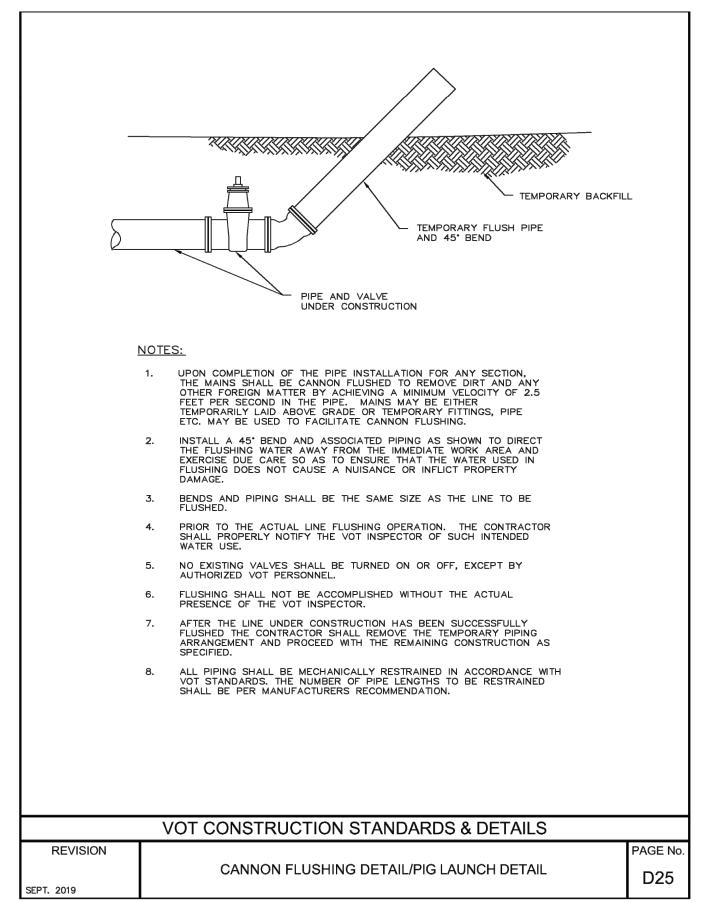
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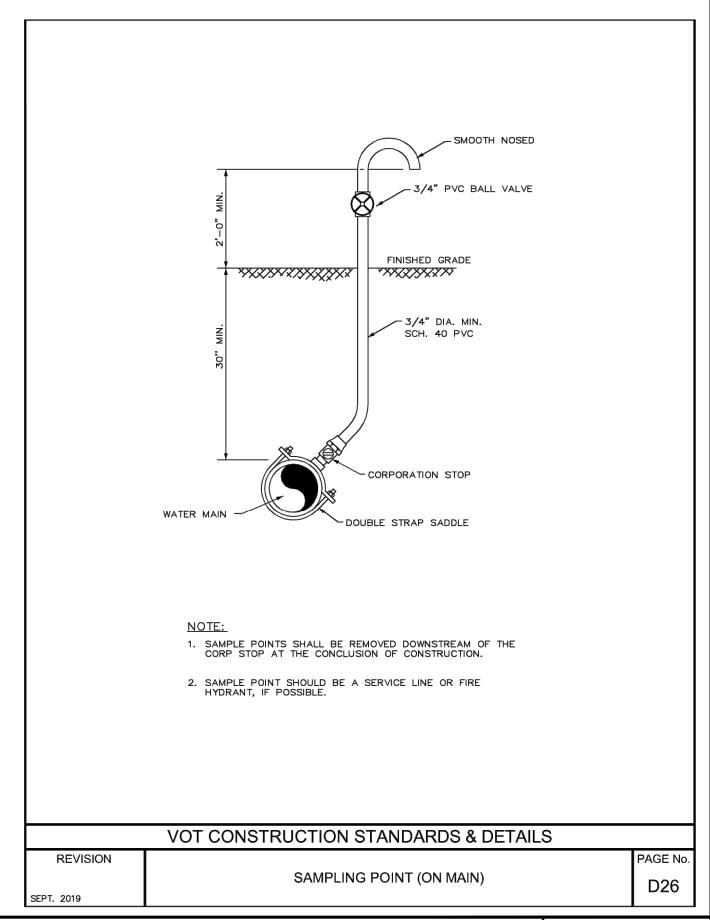
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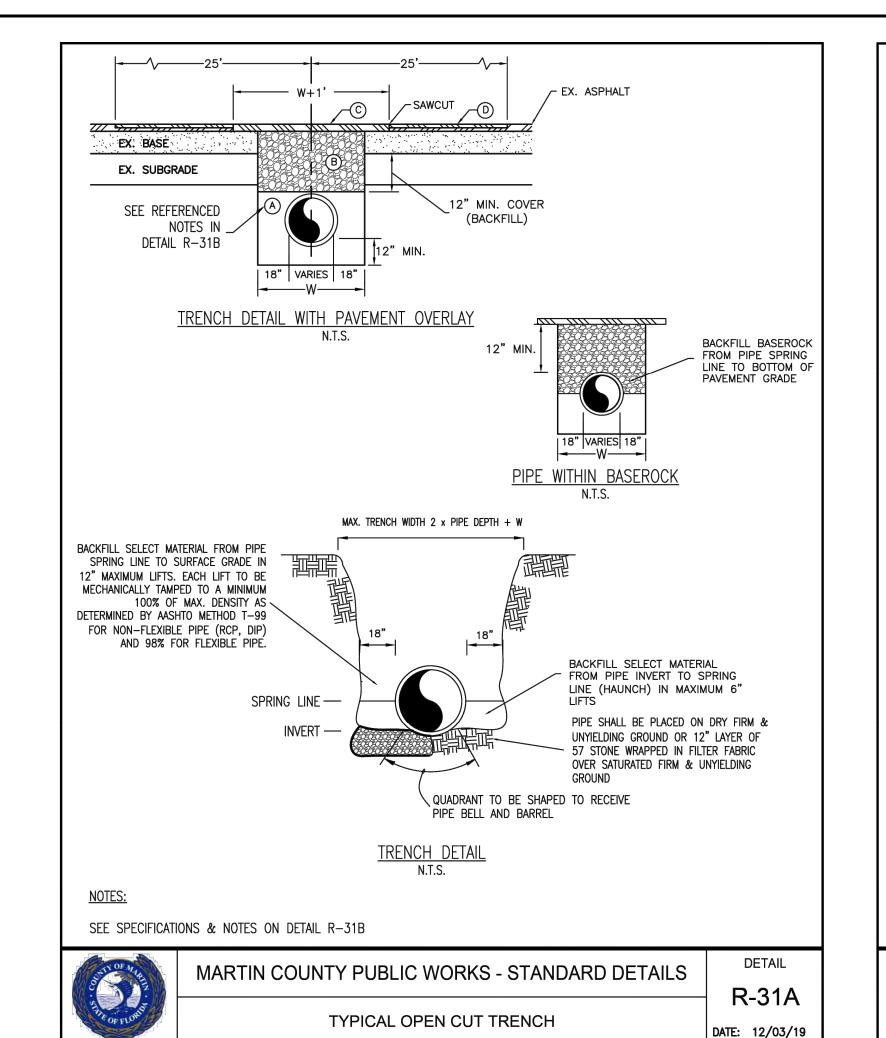
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V.O.T. STANDARD DETAILS

SHEET NUMBER

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BACKFILL AND BASE

A. PROVIDE CLEAN BACKFILL. BACKFILL SHALL BE REPLACED IN 12" LIFTS. EACH LIFT SHALL BE MECHANICALLY

COMPACTED TO A MINIMUM 100% DENSITY AS DETERMINED BY AASHTO T-180, METHOD "C" (MINIMUM LBR OF 40). B. BASE ROCK MATERIAL SHALL BE A MINIMUM OF 2' THICK AND BE PLACED IN 6" LIFTS OR AS OTHERWISE APPROVED AND EACH LAYER THOROUGHLY MECHANICALLY COMPACTED TO 100% DENSITY AS DETERMINED BY AASHTO T-180. ALL BASE MATERIAL MUST MEET FDOT SPECIFICATIONS FROM A CERTIFIED MINING OPERATION. DEPTH OF BASE MATERIAL VARIES ON ROADWAY TYPE AS PER MARTIN COUNTY PUBLIC WORKS STANDARD DETAIL R-10.

A. A TEMPORARY PATCH SHALL BE NO LESS THAN 2" THICK OR MATCH EXISTING PAVEMENT THICKNESS, WHICHEVER IS GREATER. ASPHALT PATCHES MUST BE OF A HOT MIX TYPE FRICTION COURSES. MARTIN COUNTY DOES NOT ALLOW COLD PATCH IN COUNTY MAINTAINED ROADWAYS. THE PATCH IS TO REMAIN 30 DAYS AT MINIMUM TO ASSURE ANY SETTLING OF THE ROADWAY TRENCH HAS TAKEN PLACE.

B. MILL 1" OF ASPHALT A MINIMUM OF 25' FROM CENTER OF TRENCH ON BOTH SIDES, SEE NOTE #1. PAVE AND COMPACT 1" OF SP-9.5 OR MATCH EXISTING TYPE OF FRICTION COURSE.

C. WHEN OPEN CUT IS PARALLEL TO TRAVEL LANE, THE FULL ROADWAY SECTION IS REQUIRED TO BE RESURFACED 10' BEYOND TRENCH IN EACH DIRECTION OF TRAVEL.

ASPHALT MIX TO CONTAIN NO MORE THAN 30% RECLAIMED ASPHALT PAVEMENT (R.A.P.).

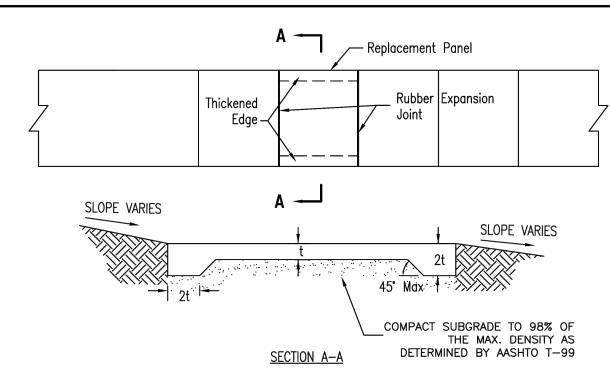
ASPHALT PAVEMENT PATCH SHALL BE PLACED WITHIN 72 HOURS AFTER TRENCH HAS BEEN BACKFILLED.

ANY OPEN CUT OF PAVEMENT MUST BE REVIEWED BY THE COUNTY ENGINEER PRIOR TO ANY WORK BEING DONE IN COUNTY MAINTAINED RIGHT-OF-WAY. DEPENDING ON THE LOCATION OF THE OPEN CUT ADDITIONAL MILLING AND PAVING MAY BE REQUIRED: ALL PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED.

ALL MATERIAL USED WITHIN THE ROADWAY MUST MEET FDOT SPECIFICATIONS AND BE SUPPLIED FROM A FDOT CERTIFIED MINING OPERATION AND ASPHALT PLANT.

3. A MINIMUM OF TWO DENSITY TESTS SHALL BE TAKEN FOR EACH SIX (6) INCH LIFT OF SUB GRADE AND EACH OPEN CUT CROSSING. WHEN THE SPECIFIED COMPACTED BASE IS GREATER THAN SIX AND ONE-HALF (6 1/2") INCHES THE BASE SHALL BE CONSTRUCTED IN TWO OR MORE COURSES. PROCTORS FOR MATERIALS USED IN BACK-FILLING SHALL BE OBTAINED BY A CERTIFIED LABORATORY. DENSITY TESTS SHALL BE CONDUCTED BY A CERTIFIED LABORATORY. THE PERCENTAGE OF MAXIMUM DENSITY REQUIRED SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS. A COPY OF ALL COMPLETED AND ACCEPTED DENSITY TESTS SHALL BE FURNISHED TO THE COUNTY ENGINEER'S OFFICE PRIOR TO FINAL INSPECTION.

4. CRUSHED CONCRETE MAY NOT BE USED WITHIN COUNTY-MAINTAINED ROADWAY.



PROCEDURES FOR SIDEWALK PLACEMENT & REPAIR:

REMOVE EXISTING SIDEWALK TO THE FULL WIDTH FROM CONTROL JOINT TO CONTROL JOINT (I.E. ONE "SECTION")

COMPLETELY REMOVE ANY STRUCTURE, POLE OR DEVICE LOCATED WITHIN SECTION TO BE REPLACED. BACKFILL ANY VOID CREATED OR CAUSED BY REMOVAL OF SUCH STRUCTURE, POLE OR DEVICE AND COMPACT TO 98% OF

4. COMPACT SOIL UNDER PROPOSED SIDEWALK AND 12" BEYOND EACH SIDE OF SIDEWALK (WHEN RIGHT-OF-WAY ALLOWS) TO 98% OF AASHTO T-99

5. CONCRETE PREP AERATION AND PLACEMENT:

a) INSTALL EXPANSION JOINT AT ALL COLD JOINTS FLUSH WITH THE SURFACE OF THE SIDEWALK

1) EXPANSION JOINT MATERIAL SHALL MEET THE AASHTO M153 STANDARD FOR TYPE IV: POLYURETHANE—BONDED RECYCLED RUBBER. FIBER EXPANSION JOINT MATERIAL SHALL NOT BE UTILIZED.

b) INSTALL 4" MINIMUM THICKNESS SIDEWALK OR MATCH EXISTING THICKNESS IF GREATER THAN 4".

2) CONCRETE LOAD TICKETS SHOULD BE KEPT FOR FINAL INSPECTION AND SIGN-OFF

c) SCREED THE CONCRETE PERPENDICULAR TO THE FORMS TO OBTAIN THE REQUIRED GRADE AND REMOVE SURPLUS WATER AND LAITANCE.

d) FINISH WITH A BROOM AND ENSURE THAT THE SURFACE VARIATIONS ARE NOT MORE THAN $\frac{1}{4}$ " UNDER A 10-FOOT STRAIGHTEDGE, OR MORE THAN ½" ON A 5 FOOT TRANSVERSE SECTION. FINISH THE EDGE OF THE SIDEWALK WITH AN EDGING TOOL HAVING A RADIUS OF 1/2".

REPAIR ALL RUTS AND/OR SOD THAT HAS BEEN DAMAGED. REGRADE WORK AREA AND PLACE NEW SOD IN ALL

PEDESTRIAN SAFETY: ENSURE A PEDESTRIAN PATH IS SAFELY MAINTAINED IN ACCORDANCE WITH FDOT STANDARD PLAN INDEX 102-660.

NOTE: ANY ADDITIONAL SECTION OF SIDEWALK THAT ABUTS THE WORK AREA AND IS DEEMED UNSAFE BY THE COUNTY ENGINEER, SHALL BE REPLACED.



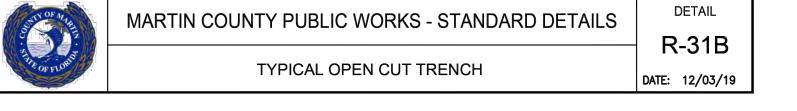
MARTIN COUNTY PUBLIC WORKS - STANDARD DETAILS

SIDEWALK REPLACEMENT / REPAIR

R-42

DETAIL

DATE: 12/03/19



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040097046 OCT. 2023 SCALE AS SHOW

ESIGNED BY VILLAGE OF TEQUESTA RAWN BY VILLAGE OF TEQUESTA,

COUNTY LINE ROAD WATERMAIN AND RAW WATERMAIN RELOCATION PREPARED FOR

FLORIDA LICENSE NUMBER 37290

FLORIDA DATE:

LICENSED PROFESSIONAL

THOMAS C. JENSEN

MARTIN COUNTY PUBLIC WORKS - STANDARD DETAILS

VOT-8