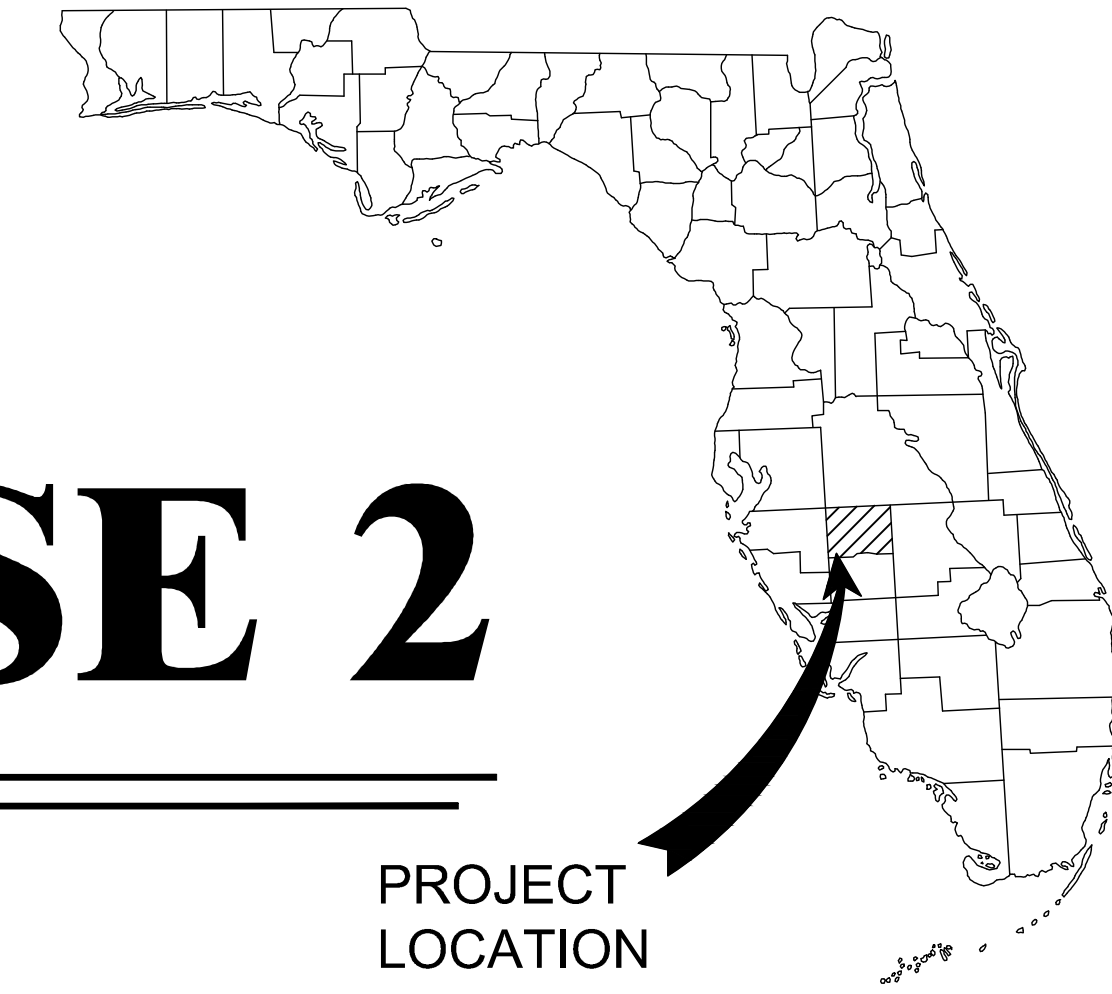


UTILITY PLANS FOR SERVICE AREA 3 WATERMAIN REHAB PHASE 2



CITY OF WAUCHULA, FLORIDA SECTION 09, TOWNSHIP 34 SOUTH, RANGE 25 EAST

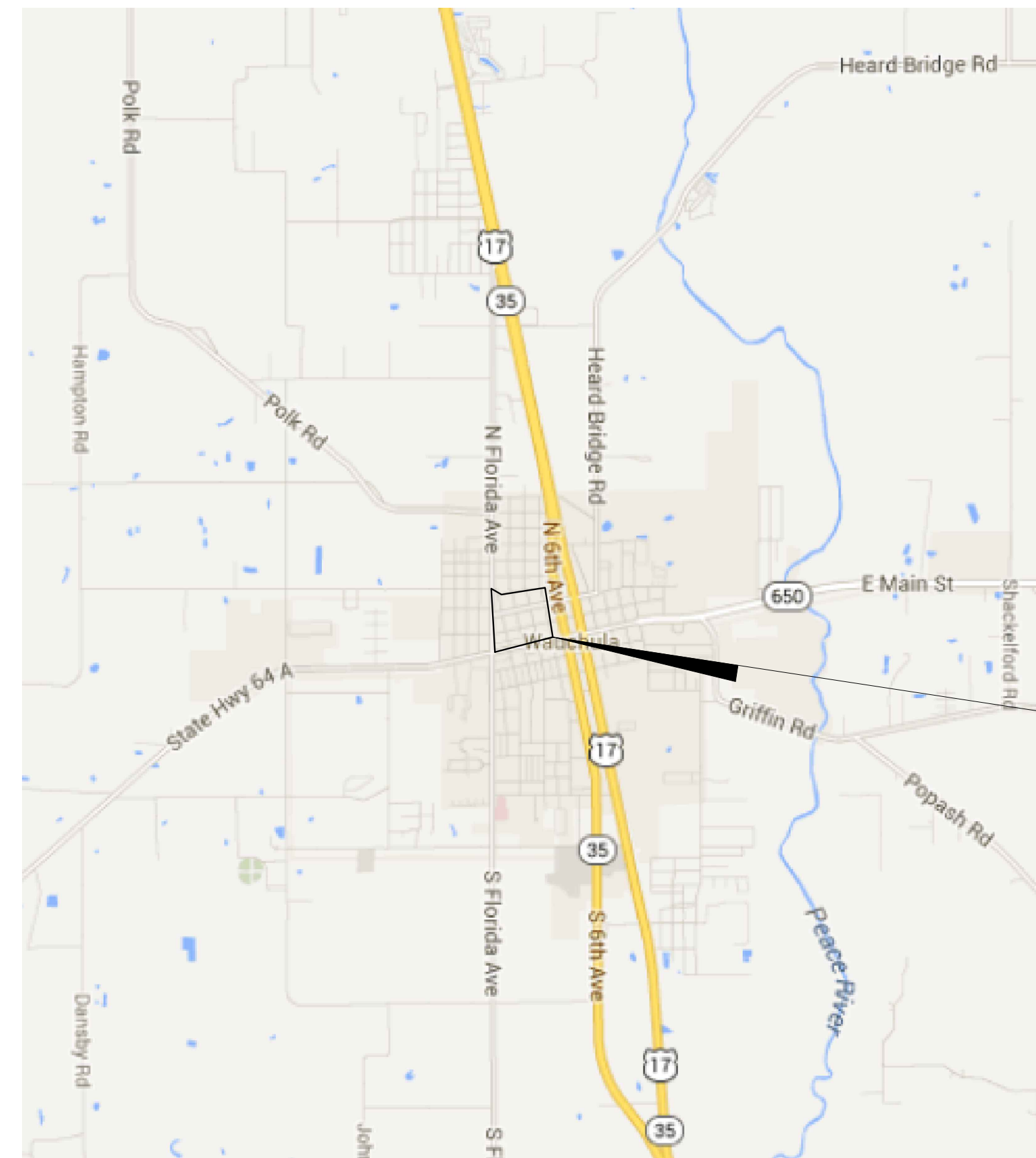
PROJECT
LOCATION

MAY 2023

DRAWING INDEX

SHEET LIST TABLE	
Sheet Number	Sheet Title
001	COVERSHEET
004	GENERAL NOTES AND LEGEND
005	KEYSHEET
010	CIVIL DETAILS
011	CIVIL DETAILS
012	CIVIL DETAILS
101	LOUISIANA STREET 0+00 - 1+79
102	LOUISIANA STREET 100+00 - 104+50
103	LOUISIANA STREET 104+50 - 108+50
104	LOUISIANA STREET 108+50 - 112+45
201	OAK STREET 200+00 - 204+50
202	OAK STREET 204+50 - 208+50
203	OAK STREET 208+50 - 212+50
204	OAK STREET 212+50 - 215+03
401	MAIN STREET 400+00 - 405+50
501	FLORIDA AVENUE 500+00 - 504+50
502	FLORIDA AVENUE 504+50 - 509+00
503	FLORIDA AVENUE 509+00 - 513+50
504	FLORIDA AVENUE 513+50 - 517+49
601	10TH AVENUE 600+00 - 604+50
602	10TH AVENUE 604+50 - 609+00
603	10TH AVENUE 609+00 - 613+50
604	10TH AVENUE 613+50 - 617+66
701	9TH AVENUE 700+00 - 704+50
702	9TH AVENUE 704+50 - 708+50
703	9TH AVENUE 708+50 - 712+50
704	9TH AVENUE 712+50 - 715+00
802	8TH AVENUE 804+50 - 808+50
803	8TH AVENUE 808+50 - 812+50
804	8TH AVENUE 812+50 - 815+88
901	7TH AVENUE 900+00 - 904+50
902	7TH AVENUE 904+50 - 908+50
903	7TH AVENUE 908+50 - 912+50
904	7TH AVENUE 912+50 - 915+08

ADDITIVE BID ITEM SHEETS



LOCATION MAP

GENERAL NOTES

CONSTRUCTION SCHEDULE:
T.B.D.

EASEMENTS:
ALL EXISTING EASEMENTS ARE DESIGNATED ON THE PLANS.

FEMA DESIGNATION:
THE PROJECT AREA LIES IN FLOOD HAZARD ZONE 'X' ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP, COMMUNITY-PANEL NUMBER 120105 0187 C, EFFECTIVE DATE MAY 04, 1988.

DRAINAGE:
THE EXISTING STORMWATER DRAINAGE SYSTEM SHALL REMAIN FUNCTIONAL AND BE MAINTAINED BY THE CONTRACTOR DURING CONSTRUCTION.

**100% PLAN SET
NOT FOR CONSTRUCTION**

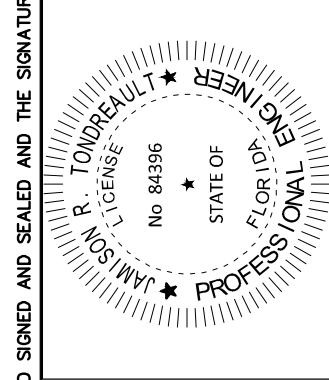
UTILITY CONTACT LISTING

ELECTRIC	TELEPHONE	GAS
CITY OF WAUCHULA CHARLIE VANTRIES PHONE: 863-773-3115 175 GRIFFIN ROAD WAUCHULA, FL 33873	CENTURYLINK BILL MCCLOUD PHONE: 863-452-3132 924 MEMORIAL DRIVE AVON PARK, FL 33825	SEBRING GAS SYSTEM, INC. CAMERON MENZIE PHONE: 863-385-0194 3515 US HWY 27 S SEBRING, FL 33870
WATER & SEWER CITY OF WAUCHULA CHARLIE VANTRIES PHONE: 863-773-3115 175 GRIFFIN ROAD WAUCHULA, FL 33873	CABLE TV, TELEPHONE, INTERNET COMCAST CABLEVISION PHONE: 941-356-1564 CHAD EVENER 3010 HERRING AVENUE SEBRING, FL 33870	

PROJECT OWNER AND CONSULTANTS

OWNER/APPLICANT: CITY OF WAUCHULA 175 GRIFFIN ROAD WAUCHULA, FL 33873 (863) 773-3115	SURVEYOR: PICKETT SURVEYING AND PHOTOGRAPHY 475 SOUTH FIRST AVENUE BARTOW, FL 33830 (863) 533-9095
CIVIL ENGINEERING CONSULTANT: KIMLEY-HORN AND ASSOCIATES, INC. 109 SOUTH KENTUCKY AVENUE LAKELAND, FL 33801 (813) 620-1460	

Kimley»Horn
© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602
PHONE: 813-620-1460
WWW.KIMLEY-HORN.COM



SCALE	AS NOTED	DESIGNED BY	DRAWN BY	CHECKED BY
		JWW	SNH	JRT

COVERSHEET

CITY OF WAUCHULA
SERVICE AREA 3 WATERMAIN
REHABILITATION
FLORIDA
HARDEE COUNTY

DATE MAY 2023
PROJECT NO. 046292031
SHEET NUMBER 001



GROUNDWATER / DEWATERING NOTE:
THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

Drawing name: K:\AK_Civil\046292031 - Service Area 3 - Phase 2 Revisions\CADD\CONSTR\001 - COVER.dwg 001 Jun 12, 2023 12:22pm by: K.A.J.Wallace
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 or 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.

Drawing name: K:\AK_Civil\046292031 - Service Area 3 Phase 2 Revisions\ACADD\CONSTR\004 - GENERAL NOTES.dwg 004 Jun 12, 2023 12:22pm by: KAUJO, Wallace
This document, together with the concepts and designs presented herein, is an instrument of service, is intended only for the specific purpose and client for which it was prepared. Release of and 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.

GENERAL NOTES

- ALL STATIONS AND OFFSETS ARE REFERENCED TO BASELINE OF CONSTRUCTION AS NOTED.
- THE FINISHED ROADWAY SECTION SHALL BE SMOOTH AND SET TO DRAIN.
- EXISTING SECTION CORNERS AND 1/4 SECTION CORNERS, AND OTHER LAND MARKERS OR MONUMENTS LOCATED WITHIN PROPOSED CONSTRUCTION ARE TO BE REFERENCED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND RESET AFTER CONSTRUCTION USING A REGISTERED LAND SURVEYOR LICENSED IN THE STATE OF FLORIDA.
- ANY MAILBOX AFFECTED BY CONSTRUCTION IS TO BE TAKEN DOWN AND RESET IN ACCORDANCE WITH POSTAL REQUIREMENTS BY THE CONTRACTOR ON THE SAME DAY.
- NORTH, THE GRID, AND THE COORDINATE SYSTEM SHOWN HEREON ARE REFERENCED TO THE WEST ZONE OF THE FLORIDA STATE PLANE COORDINATE SYSTEM, NAD 83, 1990 ADJUSTMENT.
- ELEVATIONS ARE TO NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 1929).
- THE EXACT LOCATIONS OF PROPOSED SWALES, BACK SLOPE LINES AND LIMITS OF CONSTRUCTION WILL BE IN ACCORDANCE WITH THE PLANS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- CONTRACTOR SHALL ADJUST ALL UTILITY LIDS AND COVERS TO FINISHED GRADE AS REQUIRED.
- ALL DISTURBED AREAS SHALL BE SODED, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR WILL RESTORE ALL AREAS DISTURBED BY THIS CONSTRUCTION TO A CONDITION EQUAL TO, OR BETTER THAN THAT NOW EXISTING AS DETERMINED BY THE ENGINEER.
- ITEMS IN CONFLICT WITH DESIGN SUCH AS EXISTING CURBS AND GUTTERS, SIDEWALKS, DRAINAGE STRUCTURES, PAVEMENT AND BASE AND EXCESS EXCAVATIONS ARE TO BE REMOVED BY CONTRACTOR AND DISPOSED OF IN A LEGAL AND PROPER MANNER AWAY FROM THE JOB SITE AT THE CONTRACTOR'S EXPENSE UNLESS THE ITEMS ARE TO BE REUSED ON THE PROJECT.
- THE MAINTENANCE OF TRAFFIC FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE APPLICABLE FDOT INDEX NUMBERS (600 SERIES) AND THESE DOCUMENTS; THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. DEPARTMENT OF TRANSPORTATION, FHWA), SHALL BE FOLLOWED IN THE DESIGN, APPLICATION, INSTALLATION, MAINTENANCE AND REMOVAL OF ALL TRAFFIC CONTROL DEVICES, WARNING DEVICES AND BARRIERS NECESSARY TO PROTECT THE PUBLIC AND WORKMEN FROM HAZARDS WITHIN THE PROJECT LIMITS. PEDESTRIAN AND VEHICULAR TRAFFIC SHALL BE MAINTAINED AND PROTECTED AT ALL TIMES. ALL LANES CLOSURES MUST BE COORDINATED WITH THE CITY OF WAUCHULA STAFF.
- THE LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY; THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION. RELOCATION OF UTILITIES SHALL BE COORDINATED WITH UTILITY COMPANIES AFTER IDENTIFICATION OF CONFLICT BY CONTRACTOR. CONTRACTOR SHALL NOTIFY ENGINEER IN ADVANCE BEFORE ANY RELOCATION.
- THE UTILITY COMPANIES SHALL BE NOTIFIED BY THE CONTRACTOR TWO BUSINESS DAYS IN ADVANCE OF ANY EXCAVATION INVOLVING THEIR UTILITIES SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT.

KNOWN UTILITIES: (SEE COVER SHEET)
- THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES OR UNDERGROUND UTILITIES.
- PRIOR TO COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH FLORIDA STATUTE 553.851 FOR THE PROTECTION OF UNDERGROUND GAS PIPELINES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN IN PLACE.
- THE CONTRACTOR SHALL CALL SUNSHINE (811) FOR FIELD LOCATIONS TWO BUSINESS DAYS BEFORE DIGGING NEAR UNDERGROUND UTILITIES.
- DRIVEWAYS THAT ARE DISTURBED ARE TO BE RECONSTRUCTED TO THEIR ORIGINAL OR BETTER CONDITIONS, AS DETERMINED BY THE ENGINEER, UNLESS OTHERWISE STATED ON PLANS.
- STAGING AND MATERIAL STORAGE SHALL NOT BE CONDUCTED ON ABUTTING PRIVATE PROPERTY WITHOUT APPROVAL FROM THE OWNER.
- TURNOUTS (DRIVEWAYS) TO BE CONSTRUCTED AS PER FDOT INDEX 515.

- NO EXISTING BASE MATERIAL REMOVED IN EXCAVATION SHALL BE REUSED AS PROPOSED BASE MATERIAL OR ROADWAY EMBANKMENT.
- AN FDOT APPROVED PRIMER SHALL BE APPLIED TO THE BASE MATERIAL. ALSO, A TACK COAT SHALL BE APPLIED WHERE APPLICABLE WITH THE CONSTRUCTION OF THE ASPHALTIC CONCRETE.
- ALL SIGNING AND STRIPING WITHIN THE FDOT RIGHT-OF-WAY IS TO BE IN ACCORDANCE WITH FDOT STANDARD INDEX 17346. ALL RPM PLACEMENT WITHIN THE FDOT RIGHT-OF-WAY IS TO BE IN ACCORDANCE WITH FDOT STANDARD INDEX 17352.
- ALL SIGN POSTS WHICH ARE EMBEDDED IN ASPHALT OR CONCRETE (MEDIANS/ISLANDS) SHALL BE INSTALLED IN AN FDOT APPROVED PIPE SLEEVE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL SIGNS THAT ARE TO BE PERMANENTLY REMOVED FROM THIS PROJECT.
- THE PERMANENT REMOVAL OF SIGNS WITHIN THE LIMITS OF THIS PROJECT IS NOT REQUIRED IF THEY ARE NOT SHOWN IN THESE PLANS. UNLESS AGENCY MAINTAINING THOSE SIGNS WANTS THEM.
- IN AREAS THAT STRIPING IS BEING REFURBISHED, EXISTING REFLECTIVE PAVEMENT MARKERS SHALL BE REMOVED AND NEW PAVEMENT MARKERS INSTALLED. COSTS FOR REMOVAL OF EXISTING PAVEMENT MARKERS SHALL BE INCLUDED IN THE COST OF INSTALLING NEW PAVEMENT MARKERS, PAVEMENT ITEM 706-3.
- ALL EXISTING LANDSCAPING AND IRRIGATION WITHIN THE CONSTRUCTION AREAS ARE TO BE REMOVED AND RELOCATED BY THE CONTRACTOR, AS DIRECTED BY THE ENGINEER.
- PRIOR TO COMMENCING CONSTRUCTION, A PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED BY THE ENGINEER. THE FOLLOWING SHALL BE INCLUDED IN THE CONFERENCE: CITY OF WAUCHULA, THE CONTRACTOR, THE ENGINEER, AND UTILITY COMPANIES.
- CONTRACTOR MUST COORDINATE WITH LOCAL BUSINESS OWNERS TO ENSURE NORMAL BUSINESS OPERATIONS CONTINUE THROUGH SHUTDOWN OF EXISTING DRIVEWAY.
- CONTRACTOR MUST OBTAIN A HARDEE COUNTY RIGHT-OF-WAY PERMIT FOR CONSTRUCTION WITHIN THE RIGHT-OF-WAY OF S. FLORIDA AVENUE AND MAIN STREET.
- CONTRACTOR TO COORDINATE WITH ELECTRICAL COMPANY FOR CONSTRUCTION OF WATER MAIN NEAR POWER POLES. POWER POLES SHALL BE SUPPORTED AND LEFT IN PLACE DURING CONSTRUCTION AS REQUIRED BY ELECTRICAL COMPANY.
- NOT ALL EXISTING UTILITIES MAY BE SHOWN. CONTRACTOR TO REACH OUT TO UTILITIES AT START OF CONSTRUCTION FOR LOCATION OF UTILITIES AND PROVIDE CAUTION WHEN CONSTRUCTING NEAR EXISTING UTILITIES.
- CONTRACTOR TO SUBMIT AND OBTAIN APPROVAL PRIOR TO COMMENTING CONSTRUCTION:
 - WORK PLAN AND SCHEDULE FOR ORDER OF PIPELINE INSTALLATIONS AND RESTORATION.
 - SEQUENCE OF TESTING AND ACTIVATION OF NEW PIPELINES TO MINIMIZE SERVICE OUTAGES.
 - METHOD OF INFORMING PUBLIC OF PROJECT IMPACTS.

WATERMAIN NOTES

- THE LOCATION OF THE PROPOSED FACILITIES SHOWN ON THE PLANS IS APPROXIMATE. LOCATION ADJUSTMENT SHALL BE DETERMINED BY THE ENGINEER DURING CONSTRUCTION BASED UPON FIELD CONDITIONS.
- DENSITY TESTS SHALL BE TAKEN AT THE DIRECTION OF THE ENGINEER. THE ENGINEER SHALL BE RESPONSIBLE FOR OBSERVATION OF CONSTRUCTION AND UPON COMPLETION OF THE PROJECT A LETTER OF CERTIFICATION FROM THE ENGINEER INDICATING THAT CONSTRUCTION WAS CARRIED OUT IN CONFORMANCE TO THE APPROVED PLANS, SHALL BE SUBMITTED TO THE CITY OF WAUCHULA, AS APPLICABLE.
- EVERY CERTIFICATION SUBMITTAL TO THE CITY SHALL INCLUDE ONE (1) SET OF 'AS BUILT'/RECORD PLANS, ALONG WITH COPIES OF PERTINENT BACTERIOLOGICAL MAIN CLEARANCE AND HYDROSTATIC TEST REPORTS. UNDER NO CIRCUMSTANCES SHALL WATER MAINS PERMITTED HEREIN BE PLACED INTO OPERATION PRIOR TO THE ISSUANCE OF A LETTER OF CLEARANCE BY THE F.D.E.P., AS APPLICABLE.
- NO PHYSICAL CONNECTION OF NEW WATER MAINS TO ACTIVE WATER MAINS SHALL BE MADE UNTIL SUCH TIME THAT NEW MAINS ARE CONFIRMED TO BE BACTERIOLOGICALLY SAFE.
- ALL WATER MAINS SHALL BE DESIGNED FOR A MINIMUM WORKING PRESSURE OF 150 PSI.
- THE WATER SYSTEM SHALL BE HYDROSTATICALLY PRESSURE TESTED FOR A PERIOD OF 2 HOURS AT NOT LESS THAN 150 PSI IN ACCORDANCE WITH ANSI/AWWA STANDARD C600 OR C605 LATEST REVISIONS WITH AN ALLOWABLE LEAKAGE NOT GREATER THAN DETERMINED BY THE FOLLOWING:

DIP	PVC
$L = \frac{SD \sqrt{P}}{133200}$	$L = \frac{ND \sqrt{P}}{7400}$
D = SIZE OF LINE TESTED DIAMETER IN INCHES	N = NO. OF JOINTS IN LENGTH OF PIPE TESTED
S = LENGTH OF LINE IN FEET	D = NOMINAL DIAZ. OF PIPE TESTED
P = AVERAGE TEST PRESSURE (P.S.I.)	P = AVERAGE TEST PRESSURE (P.S.I.)
L = ALLOWABLE LEAKAGE IN GALS/HOUR	L = ALLOWABLE LEAKAGE IN GALS/HOUR
- HIGH DENSITY POLYETHYLENE (HDPE) PRESSURE TESTING SHALL BE CONDUCTED IN PHASES AS REQUIRED BY ASTM F2164. WHEN THE TEST SECTION IS COMPLETELY FILLED AND PURGED OF AIR, THE PRESSURE SHALL BE GRADUALLY INCREASED TO THE REQUIRED TEST PRESSURE. MAKE-UP WATER SHALL BE ADDED AS NECESSARY TO MAINTAIN MAXIMUM TEST PRESSURE FOR UP TO FOUR (4) HOURS.
- NO LEAKAGE WILL BE ACCEPTED FOR THE HDPE PIPE SYSTEM DURING THE ONE (1) HOUR TEST PHASE FOLLOWING THE (4) HOUR PRESSURIZATION. THE ONE (1) HOUR TEST SHALL BE CONDUCTED AFTER REDUCING THE INITIAL PRESSURE BY 10 PSI.
- WATER MAIN PIPE SHALL MEET THE REQUIREMENTS OF AWWA C-900a LATEST REVISION "POLYVINYL CHLORIDE (PVC) PRESSURE PIPE". PRESSURE CLASS 150 PIPE SHALL CONFORM TO REQUIREMENT OF DR 18. PRESSURE CLASS 200 PIPE SHALL CONFORM TO REQUIREMENTS OF DR-14. PVC PIPE SHALL BE BLUE COLOR.DEFLECTION OF PVC PIPE SHALL NOT EXCEED 80% OF MANUFACTURERS MAXIMUM DEFLECTION RECOMMENDATION.
- PVC MAINS SHALL BE LAID WITH A MINIMUM OF 36" CLEAR COVER. FITTINGS SHALL BE DUCTILE IRON CLASS 350 THROUGH 12" AND CLASS 250 IN SIZES 16" AND LARGER (SHORT BODY TYPE). ALL FITTINGS SHALL BE CEMENT LINED AND SEALED THE SAME AS DUCTILE IRON PIPE (WHERE SPECIFIED)IN ACCORDANCE WITH AWWA/ANSI C110 LATEST REVISION.
- DUCTILE IRON PIPE SHALL BE CLASS 350 AND SHALL BE CEMENT LINED AND SEACOAST IN ACCORDANCE WITH AWWA/ANSI STANDARD C151 LATEST REVISION D.I.P. MAINS SHALL BE LAID WITH A MINIMUM 30" CLEAR COVER. DUCTILE IRON FITTINGS SHALL BE CLASS 350 (SHORT BODY TYPE)THROUGH 12" AND CLASS 250 IN SIZES 16" AND LARGER. ALL FITTINGS SHALL BE CEMENT LINED AND SEACOAST THE SAME AS DUCTILE IRON PIPE IN ACCORDANCE WITH C104 LATEST REVISION & C153 LATEST REVISION.
- ALL BURIED DUCTILE IRON PIPE AND FITTINGS SHALL BE PROVIDED WITH A 4-MIL THICK CROSS LAMINATED HIGH DENSITY POLYETHYLENE ENCASEMENT OR AN 8-MIL THICK POLYETHYLENE ENCASEMENT PER ANSI/AWWA C105/A21.5. COLOR OF ENCASEMENT SHALL BE IN ACCORDANCE WITH PAINTING SPECIFICATIONS BASED ON THE SERVICE TYPE OF THE PIPE.
- INSTALL DETECTOR TAPE AND LOCATING WIRE AS SHOWN IN DETAILS PAGE IN POTABLE WATER AND WASTEWATER FORCE MAIN SYSTEMS. A CONTINUITY TEST SHALL BE PERFORMED BY THE CONTRACTOR.
- ALL DRIVEWAYS TO BE REPLACED IN KIND IF CROSSED BY OPEN-CUT, COMPACTED TO 98% OF ITS MAXIMUM LABORATORY MODIFIED DRY DENSITY, ASTM D1557.
- RE-SOD ALL DISTURBED AREAS. (PRESERVE EXISTING SURFACE DRAINAGE).
- ALL NEW AND RELOCATED WATER MAINS SHALL BE LOCATED AT LEAST SIX FEET (PREFERABLY 10 FEET) HORIZONTALLY FROM ALL GRAVITY OR PRESSURE TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS OR RECLAIM WATER MAINS. IF THE BOTTOM OF A POTABLE WATER MAIN IS LOCATED 6 INCHES MINIMUM ABOVE THE TOP OF A GRAVITY TYPE SEWER MAIN, THE HORIZONTAL DISTANCE CAN BE REDUCED TO 3 FEET MINIMUM. ALSO, ALL NEW AND RELOCATED WATER MAINS SHALL BE LOCATED AT LEAST THREE FEET HORIZONTALLY FROM ALL STORM SEWERS, STORMWATER FORCE MAINS, RECLAIMED WATER LINES CARRYING RECLAIMED WATER FOR NURSERIES AND VACUUM-TYPE SANITARY SEWERS, IN ACCORDANCE WITH F.A.C. RULE 62-555.314.
- ALL WATER METERS AND SERVICES ASSOCIATED WITH PROPOSED WATERMAIN MUST BE REPLACED WITH NEW SERVICE CONNECTIONS TO THE PROPOSED WATERMAIN. SEE DETAILS 6 AND 7 ON SHEET C010 - CIVIL DETAILS FOR INFORMATION ON REPLACEMENT.

- ANY NEW OR RELOCATED WATER MAINS THAT CROSS ANY GRAVITY OR VACUUM-TYPE SANITARY SEWER, STORM SEWER, OR RECLAIMED WATER MAIN SHALL CROSS ABOVE (PREFERRED) OR BELOW SUCH PIPELINES WITH A MINIMUM VERTICAL DISTANCE OF 12 INCHES BETWEEN THE OUTSIDE OF THE WATER MAINS AND THE OUTSIDE OF SUCH PIPELINES. SUCH CROSSINGS SHALL BE ARRANGED SO THAT ALL PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING WITH NO LESS THAN TEN FEET BETWEEN ANY TWO JOINTS (OR ALTERNATIVELY, THE MAINS AT SUCH CROSSINGS SHALL BE PLACED IN SLEEVES TO OBTAIN THE EQUIVALENT OF THE TEN-FOOT SEPARATION BETWEEN JOINTS), IN ACCORDANCE WITH F.A.C. RULE 62-555.314.
- BACTERIOLOGICAL SAMPLING-DISINFECTION OF ALL NEW AND RELOCATED WATER MAINS SHALL BE IN ACCORDANCE WITH ANSI/AWWA SPECIFICATION C651 LATEST REVISION. CITY REPRESENTATIVE MUST BE PRESENT AT THE TIME OF CHLORINATION AND FLUSHING.
- ALL WATER MAINS TAKEN OUT OF SERVICE BY THE PROJECT SHALL BE GROUTED AND ABANDONED IN PLACE.
- AFTER CLEARANCE OF WATERMAIN FROM THE F.D.E.P., ALL WATER SERVICES MUST BE TRANSFERRED TO THE PROPOSED WATERMAIN.
- ALL FIRE HYDRANTS TAKEN OUT OF SERVICE SHALL BE REMOVED TO THE MAIN VALVE

TRAFFIC CONTROL NOTES

- TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH F.D.O.T. DESIGN STANDARDS SERIES 600 DEPENDING ON THE OPERATION BEING PERFORMED. THE CONTRACTOR MAY SUBSTITUTE ANOTHER INDEX WITH APPROVAL BY THE ADMINISTRATOR.
- TO AVOID DISRUPTION DUE TO INCLEMENT WEATHER, THE CONTRACTOR SHOULD KEEP THE MILLING AND PAVING OPERATIONS AS CLOSE TOGETHER AS POSSIBLE.
- ALL EXISTING PAVEMENT MARKINGS OUTSIDE THE CONSTRUCTION LIMITS THAT HAVE BEEN ALTERED BECAUSE OF CONSTRUCTION OPERATIONS SHALL BE REPLACED UPON THE COMPLETION OF THE PROJECT.
- THE EXISTING POSTED SPEED LIMIT SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION, ANY CHANGE SHALL REQUIRE APPROVAL FROM THE ENGINEER.
- IF A LANE CLOSURE CAUSES EXTENDED CONGESTION OR DELAY, THE CONTRACTOR SHALL BE DIRECTED TO REOPEN THE CLOSED LANE UNTIL SUCH TIME THAT TRAFFIC FLOW HAS RETURNED TO AN ACCEPTABLE LEVEL. THE CONTRACTOR SHALL SCHEDULE WORK OPERATIONS SO THAT ALL LANES CAN BE OPENED TO TRAFFIC WITHIN A PERIOD OF 24 HOURS IN CASE OF AN EMERGENCY.
- PEDESTRIANS, BICYCLES, AND WHEELCHAIRS: AT THE END OF EACH WORKDAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE, ANY DROP-OFF ADJACENT TO A SIDEWALK SHALL BE BACKFILLED AT A SLOPE NOT TO EXCEED 1:4, OR SHALL BE PROTECTED IN ACCORDANCE WITH STANDARD INDEX 600.
- PEDESTRIAN AND WHEELCHAIR TRAFFIC SHALL BE ACCOMMODATED UTILIZING STANDARD INDEX 660.
- ONE PORTABLE VARIABLE MESSAGE SIGN SHALL BE USED IN ADVANCE OF EACH LANE CLOSURE. THE FOLLOWING ARE SUGGESTED MESSAGES TO USE IN THE APPROPRIATE SITUATIONS:

MESSAGE 1	"RIGHT" OR "CENTER" OR "LEFT"	"LANE" "LANE" "LANE"	"LANE" "LANE" "LANE"	"CLOSED" "CLOSED" "CLOSED"
MESSAGE 2	"MERGE" OR "MERGE" OR "MERGE"	"RIGHT" "LEFT" "LEFT OR" "RIGHT"		
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF STORMWATER FROM ROADWAYS UTILIZED FOR TRAFFIC CONTROL IN A MANNER APPROVED BY THE ENGINEER.
- AT THE END OF EACH WORKING DAY'S ACTIVITY, TEMPORARY PAVEMENT MARKINGS AND TEMPORARY RPM'S SHALL BE INSTALLED PRIOR TO OPENING THE LANES UP FOR TRAFFIC.
- ALL PAVEMENT MARKINGS, SIGNS, MARKERS, CHANNELIZATION THAT CAN NOT BE APPLIED WITHIN THE WORK ZONE FOR THE NEXT PHASE ALONG WITH TRAFFIC SHIFTS, SHALL UTILIZE INDICES OF PLACEMENT.
- THE CONTRACTOR SHALL RESTRICT THE OPERATIONS SO THAT THE FIRST LIFT OF ASPHALT IS PLACED ON THE SAME DAY THAT THE LANES ARE MILLED, BEFORE OPENING THE LANES TO TRAFFIC. INSTALL TEMPORARY PAVEMENT MARKINGS AFTER THE FIRST LIFT AND PRIOR TO OPENING.
- ALL SIGNALS SHALL REMAIN IN THE ACTUATED OPERATION THROUGHOUT THE DURATION OF THE PROJECT. THE CONTRACTOR MAY UTILIZE STANDARD LOOPS, PERFORMED LOOPS, OR AN ALTERNATIVE METHOD. ANY ALTERNATIVE DEVICE MUST BE ON THE APPROVED PRODUCTS LIST AND APPROVED BY THE PROJECT ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER PLACEMENT AND ANY NECESSARY RELOCATION, ADJUSTMENT OR REPLACEMENT OF THOSE DETECTORS AS NECESSARY TO MAINTAIN ACTUATED OPERATION FOR ALL OF THE MAIN STREET, SIDE STREET AND RAMP MOVEMENTS FOR THE DURATION OF THE PROJECT. ALL COSTS OF TEMPORARY VEHICLE DETECTION, INCLUDING DETECTORS, INSTALLATION, RELOCATION, ADJUSTMENT, OR REPLACEMENT SHALL BE INCLUDED IN THE COST OF AND PAID FOR UNDER THE MAINTENANCE OF TRAFFIC PAY ITEM. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH UTILITY COMPANIES AND VERIFY THAT TEMPORARY POLES WILL NOT CONFLICT WITH ANY EXISTING UTILITIES.

PLAN/PROFILE LEGEND

PROPERTY LINE	
EASEMENT LINE	
EXISTING WATERMAIN	
EXISTING FIBER OPTIC	
EXISTING BURIED TELEPHONE	
EXISTING SANITARY SEWER	
EXISTING DEPRESSION CONTOUR	
EXISTING OBSCURE CONTOUR	
EXISTING TREE LINE	
EXISTING SHRUB LINE	
EXISTING FENCE	
EXISTING WALL	
EXISTING STRUCTURE	
EXISTING SANITARY MANHOLE	
EXISTING STORM MANHOLE	
EXISTING TELEPHONE BOX	
REPLACE EXISTING WATER METER AND SERVICE LINE (SEE DETAILS 6 AND 7 ON SHEET 012 - CIVIL DETAILS)	
EXISTING LIGHT POLE	
EXISTING POWER POLE	
EXISTING SIGN	
EXISTING PALM TREE	
EXISTING MAILBOX	
EXISTING CATCH BASIN	
EXISTING SANITARY VALVE	
EXISTING CLEAN OUT	
EXISTING FIRE HYDRANT	
EXISTING WATER VALVE	
PROPOSED WATERMAIN	
PROPOSED WATER VALVE	
PROPOSED FIRE HYDRANT	
REMOVE AND REPLACE PAVEMENT (SEE DETAILS 2&3 ON SHEET 012)	
PROPOSED SERVICE LINE	
APPROXIMATE LOCATION OF EXISTING TREE	
UNKNOWN METER LOCATION. CONTRACTOR TO LOCATE AND REPLACE EXISTING WATER METER AND SERVICE LINE (SEE DETAILS 6 AND 7 ON SHEET 012 - CIVIL DETAILS)	

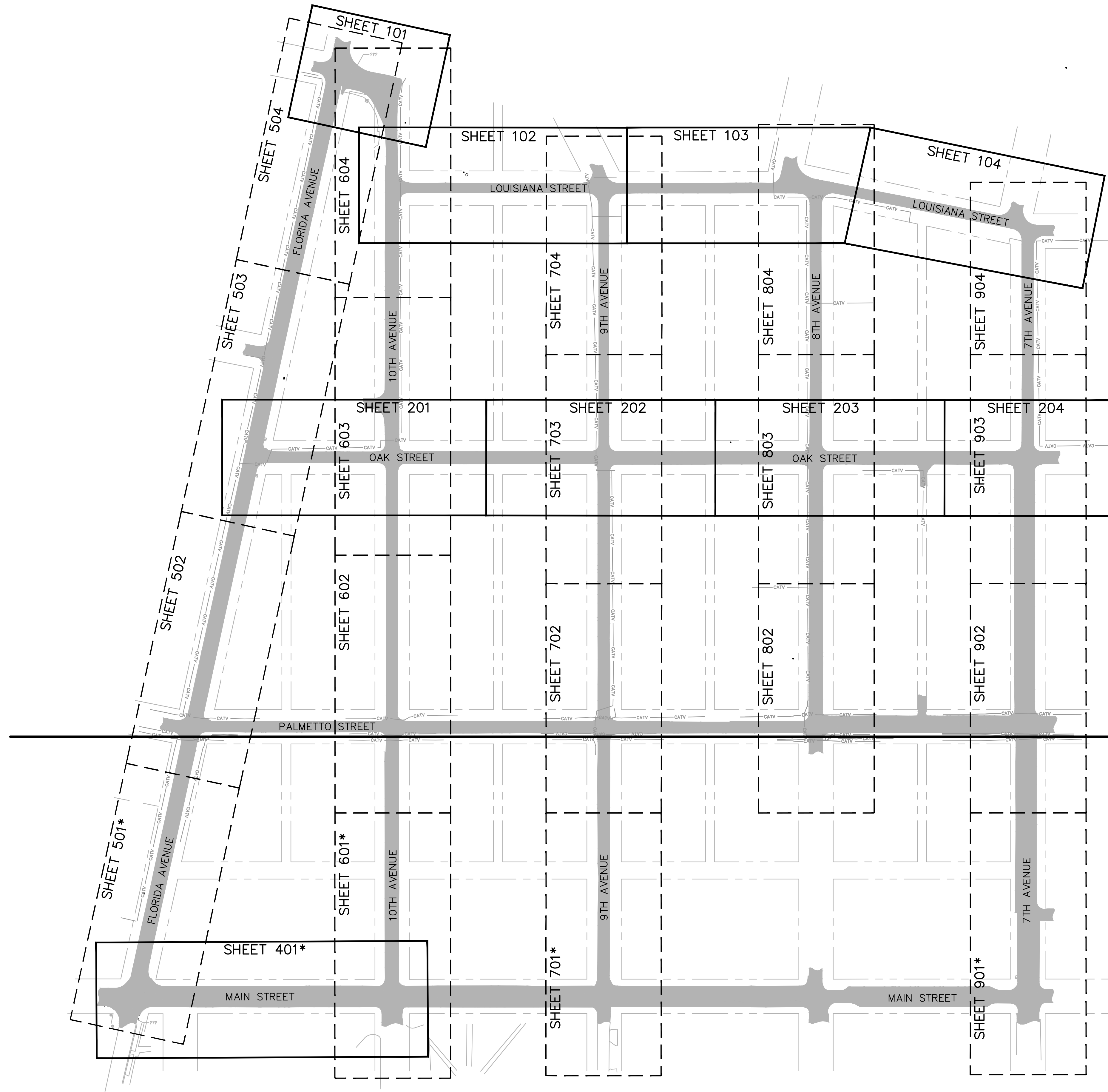
**100% PLAN SET
NOT FOR CONSTRUCTION**



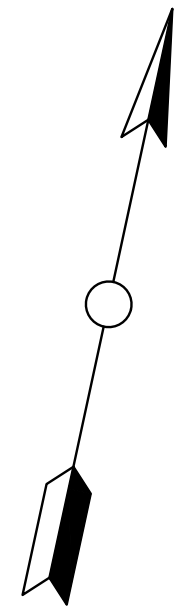
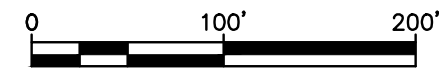
GROUNDWATER / DEWATERING NOTE:
THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

CITY OF WAUCHULA SERVICE AREA 3 WATERMAIN REHABILITATION		FLORIDA	HARDEE COUNTY
DATE MAY 2023	PROJECT NO. 046292031	SHEET NUMBER 004	
GENERAL NOTES AND LEGEND		REVISIONS	
SCALE: AS NOTED		DESIGNED BY: JWW	
DRAWN BY: SNH		CHECKED BY: JRT	
NO. 84306		STATE OF FLORIDA	
REGISTERED PROFESSIONAL ENGINEER		NO. 12111	
R. TONREBULT, P.E.		KIMLEY-HORN	
KIMLEY-HORN		2023 KIMLEY-HORN AND ASSOCIATES, INC. 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602 PHONE: 813-820-1460 WWW.KIMLEY-HORN.COM	
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TONREBULT, P.E. #84306. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.		DATE	

Drawing name: K:\AK_Civil\046292031 - Service Area 3 Phase 2 Revisions\CADD\CONSTR\005 - KEYSHEET - Copy.dwg 005 Jun 12, 2023 12:22pm by: KA.Js.Wallace
 This document, together with the concepts and designs presented herein, is an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse or 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.



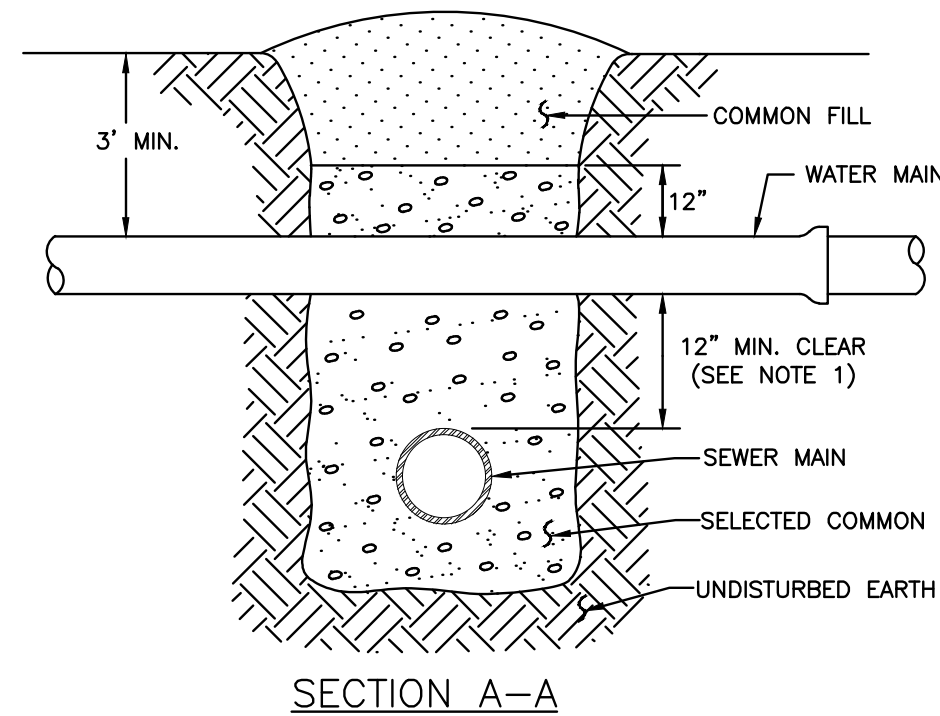
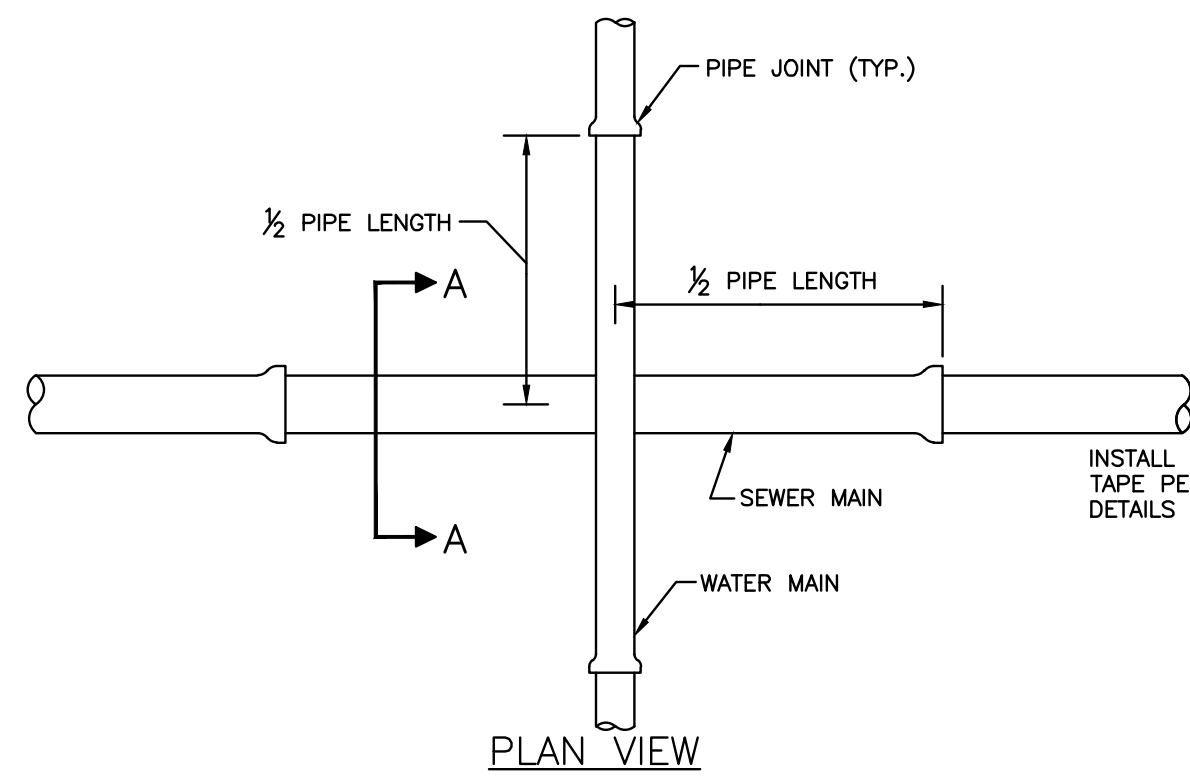
*ADDITIVE BID ITEM SHEETS



GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TONDEBULT, P.E. #84396. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	
SCALE AS NOTED DESIGNED BY JWW DRAWN BY SNH CHECKED BY JRT	CITY OF WAUCHULA SERVICE AREA 3 WATERMAIN REHABILITATION HARDEE COUNTY FLORIDA
PROJECT NO. 046292031	DATE MAY 2023
SHEET NUMBER 005	REVISIONS No. DATE BY
Kimley»Horn © 2023 KIMLEY-HORN AND ASSOCIATES, INC. 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602 PHONE: 813-820-1460 WWW.KIMLEY-HORN.COM	

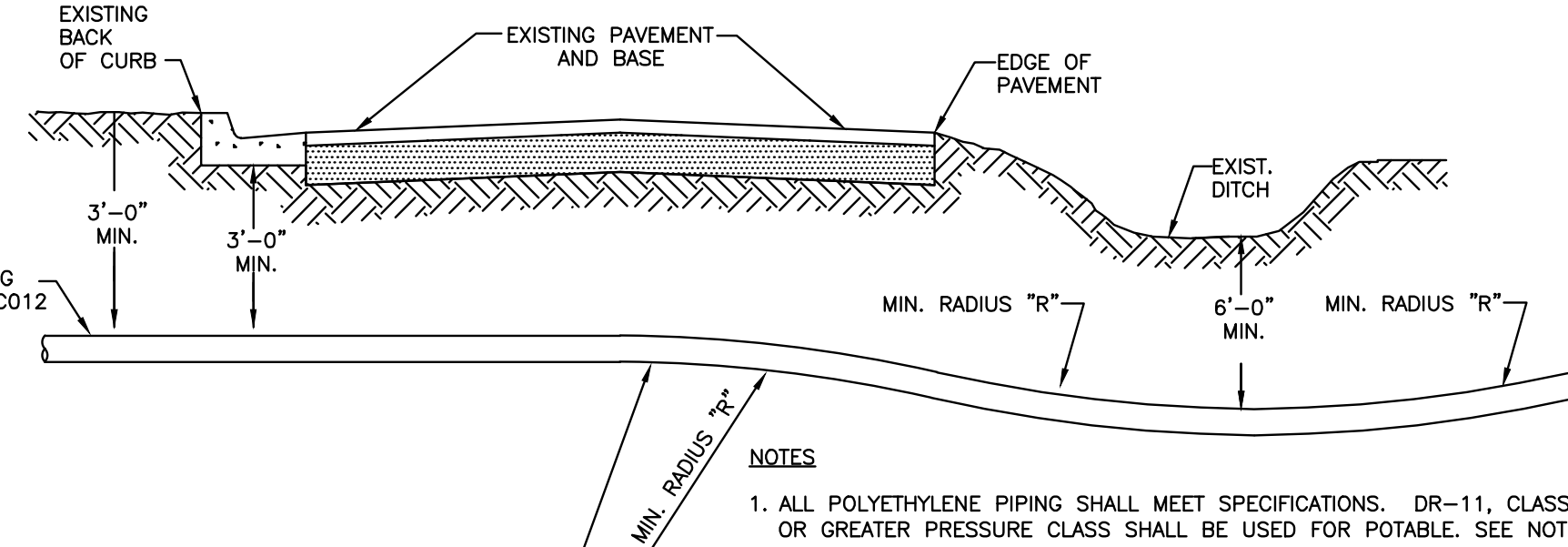
Drawing name: K:\AK_Civil\046292031 - Service Area 3 Phase 2 Revisions\ACADD\CONSTR\010 - GENERAL DETAILS.dwg 010 Jun 12, 2023 12:22pm by: KAUJO WALLACE
 This document, together with the concepts and designs presented herein, is an instrument of service, and its use is limited to the specific project and client for which it was prepared. Reuse of any part of this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NOTES:

- CLEARANCE MAY BE REDUCED TO 6" FOR GRAVITY SEWER WHERE WATER MAIN IS DUCTILE IRON OR 3" FOR FORCE MAIN WHERE FORCE MAIN IS ENCASED A MINIMUM OF 10" EACH SIDE OF CROSSING.
- WHERE NO ENCASEMENT IS REQUIRED, PIPE SECTIONS SHALL BE FULL-LENGTH AND SHALL BE ADJUSTED HORIZONTALLY SO THAT THE CROSSING IS AT EACH PIPE SECTION'S MIDPOINT REGARDLESS OF THE VERTICAL CLEARANCE.

TYPICAL NEW WATER & SEWER LINE CROSSING 1
010



NOTES:

- ALL POLYETHYLENE PIPING SHALL MEET SPECIFICATIONS. DR-11, CLASS 160 OR GREATER PRESSURE CLASS SHALL BE USED FOR POTABLE. SEE NOTE #2.
- THE ENGINEER SHALL SUBMIT CALCULATIONS FOR THE MAXIMUM PULLING LENGTH, TOTAL PULL FORCE AND THE ALLOWABLE TENSILE LOAD, IN ACCORDANCE WITH AWWA M55 & ASTM F1804. DESIGN SHALL ALSO BE IN ACCORDANCE WITH ASTM F1962.
- THE PIPE STRING SHALL BE ATTACHED TO THE BACKREAMER THROUGH A "WEAK-LINK" DEVICE TO ENSURE THAT THE PULLING FORCE DOES NOT EXCEED THE PIPE'S ALLOWABLE TENSILE LOAD RATING.
- ONE # 10 GAUGE EXTRA HIGH STRENGTH COPPER CLAD STEEL TRACER WIRE SHALL BE PULLED AND SECURED TO THE PIPE FOR PIPELINES THAT ARE INSTALLED BY TRENCHLESS HORIZONTAL DIRECTIONAL DRILLING METHOD. IN TRENCHLESS/NON-DIRECTIONAL BORE APPLICATIONS, A # 10 GAUGE SOLID INSULATED COPPER WIRE SHALL BE ATTACHED TO THE PIPE. TRACER WIRES SHALL HAVE A MINIMUM 30-MILS OF POLYETHYLENE INSULATION.
- COLOR CODED BLUE FOR POTABLE WATER MAINS.
- PIPE DEPTHS MAY NEED TO BE DEEPER TO AVOID FRACKOUTS. PIPEALIGNMENT SHALL BE AS SHOWN ON THE CONSTRUCTION DRAWINGS.
- FOOT CRITERIA SHALL BE MET FOR PIPES UNDER STATE ROADS.

DIRECTIONAL BORE ROADWAY CROSSING 2
010

REQUIRED LENGTH OF RESTRAINED JOINT PIPE FOR DR-18 PVC PIPE

MAIN PIPE SIZE	HORIZ. BENDS			TEES					REDUCERS					PLUGS & VALVES	
	90°	45°	22.5°	SIZE LENGTH					SIZE LENGTH						
24	90	38	18	X24	X20	X16	X12	X10	X6	X20	X16	X12	X10	X6	214
20	78	32	16	X20	X16	X12	X10	X8	X4	X16	X12	X10	X8	X4	184
16	66	27	13	X16	X12	X10	X8	X6	X4	X12	X10	X8	X6	X4	151
12	52	22	10	X12	X10	X8	X6	X4	X2	X10	X8	X6	X4	X2	118
10	44	18	9	X10	X8	X6	X4	X2	X1	X8	X6	X4	X2	X1	100
8	37	15	7	X8	X6	X4	X2	X1	X0.5	X6	X4	X2	X1	X0.5	83
6	29	12	6	X6	X4	X2	X1	X0.5	X0.25	X4	X3	X2	X1	X0.5	63
4	21	8	4	X4	X3	X2	X1	X0.5	X0.25	X3	X2	X1	X0.5	X0.25	45

NOTES:

- RESTRAIN 11.25" BENDS 50% OF LENGTH FOR 22.5" BENDS.
- ALL VALVES AND FITTINGS SHALL BE RESTRAINED TO THE CONNECTING SECTIONS OF PIPE.
- ALL ISOLATION VALVES MUST BE PROPERLY ANCHORED OR RESTRAINED TO RESIST A 180 PSI TEST PRESSURE IN EITHER DIRECTION.
- PIPE SIZES ARE GIVEN IN INCHES.
- RESTRAINED PIPE LENGTHS ARE GIVEN IN FEET.
- LENGTHS SHOWN ARE FOR A TEST PRESURE OF 180 PSI.
- THE RESTRAINED LENGTHS SHOWN IN THESE TABLES ARE BASED ON SOIL CLASSIFICATION SP WITH AWWA TYPE 3 TRENCH CONDITIONS, 180 PSI TEST PRESSURE, 3 FEET OF COVER AND 1.5 FACTOR OF SAFETY. ACTUAL BURY CONDITIONS MUST BE DETERMINED BY THE ENGINEER OF RECORD AND THE RESTRAINED LENGTHS MODIFIED ACCORDINGLY.
- RESTRAINED LENGTHS TO BE APPLIED TO PIPELINES PER DETAIL RESTRAINED LENGTHS FOR PIPE.

RESTRAINED LENGTHS FOR PVC PIPE 5
010

REQUIRED LENGTH OF RESTRAINED JOINT PIPE FOR DIP (POLY-WRAPPED)

MAIN PIPE SIZE	HORIZ. BENDS			TEES					REDUCERS					PLUGS & VALVES	
	90°	45°	22.5°	SIZE LENGTH					SIZE LENGTH						
36	142	59	28	X36	X30	X24	X20	X16	X12	X30	X24	X20	X16	X12	453
30	124	51	25	X30	X24	X20	X16	X12	X10	X24	X20	X16	X12	X10	391
24	106	44	21	X24	X20	X16	X12	X10	X8	X20	X16	X12	X10	X8	327
20	92	38	18	X20	X16	X12	X10	X8	X6	X16	X12	X10	X8	X6	280
16	77	32	15	X16	X12	X10	X8	X6	X4	X12	X10	X8	X6	X4	231
12	61	25	12	X12	X10	X8	X6	X4	X2	X10	X8	X6	X4	X2	181
10	52	22	10	X10	X8	X6	X4	X2	X1	X8	X6	X4	X2	X1	153
8	44	18	9	X8	X6	X4	X2	X1	X0.5	X6	X4	X2	X1	X0.5	128
6	34	14	7	X6	X4	X2	X1	X0.5	X0.25	X4	X3	X2	X1	X0.5	98
4	24	10	5	X4	X3	X2	X1	X0.5	X0.25	X3	X2	X1	X0.5	X0.25	69

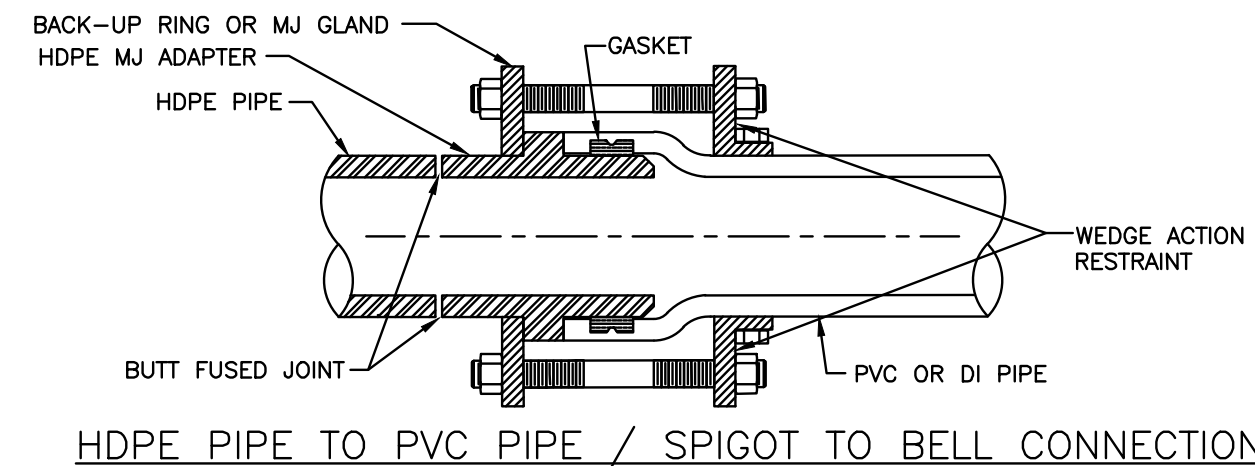
REQUIRED LENGTH OF RESTRAINED JOINT PIPE FOR DIP (NON-WRAPPED)

MAIN PIPE SIZE	HORIZ. BENDS			TEES					REDUCERS					PLUGS & VALVES	
	90°	45°	22.5°	SIZE LENGTH					SIZE LENGTH						
36	100	42	20	X36	X30	X24	X20	X16	X12	X30	X24	X20	X16	X12	188
30	88	37	18	X30	X24	X20	X16	X12	X10	X24	X20	X16	X12	X10	162
24	75	31	15	X24	X20	X16	X12	X10	X8	X20	X16	X12	X10	X8	135
20	65	27	13	X20	X16	X12	X10	X8	X6	X16	X12	X10	X8	X6	116
16	54	22	11	X16	X12	X10	X8	X6	X4	X12	X10	X8	X6	X4	96
12	43	18	8	X12	X10	X8	X6	X4	X2	X10	X8	X6	X4	X2	75
10	37	15	7	X10	X8	X6	X4	X2	X1	X8	X6	X4	X2	X1	63
8	30	13	6	X8	X6	X4	X2	X1	X0.5	X6	X4	X2	X1	X0.5	53
6	24	10	5	X6	X4	X2	X1	X0.5	X0.25	X4	X3	X2	X1	X0.5	41
4	17	7	3	X4	X3	X2	X1	X0.5	X0.25	X3	X2	X1	X0.5	X0.25	29

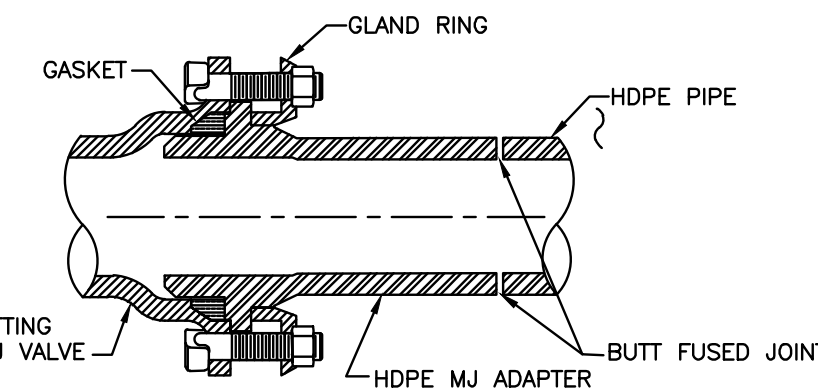
NOTE:

SEE RESTRAINED LENGTHS FOR PVC PIPE DETAIL FOR NOTES 1 THROUGH 8 THAT ARE ALSO APPLICABLE TO RESTRAINED LENGTHS FOR DIP.

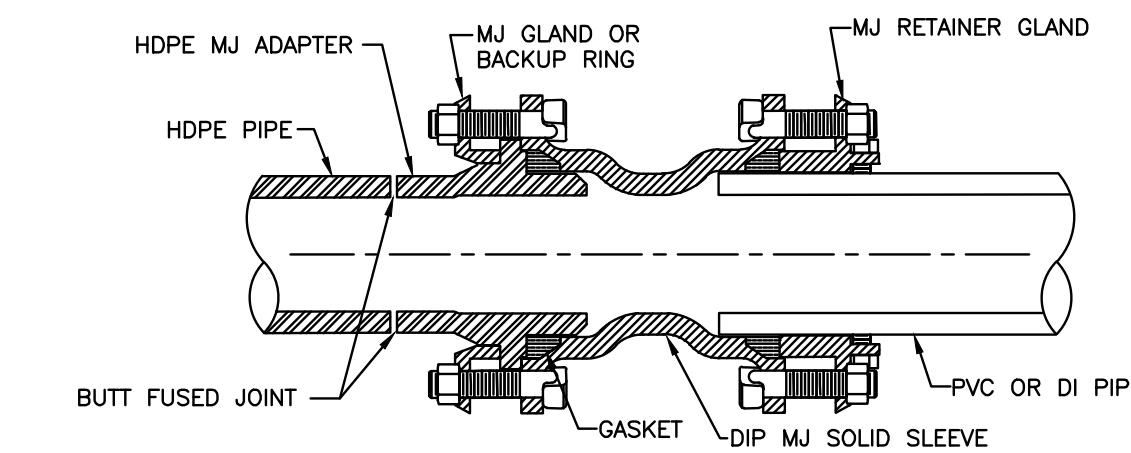
RESTRAINED LENGTHS FOR DIP 6
010



HDPE PIPE TO PVC PIPE / SPIGOT TO BELL CONNECTION

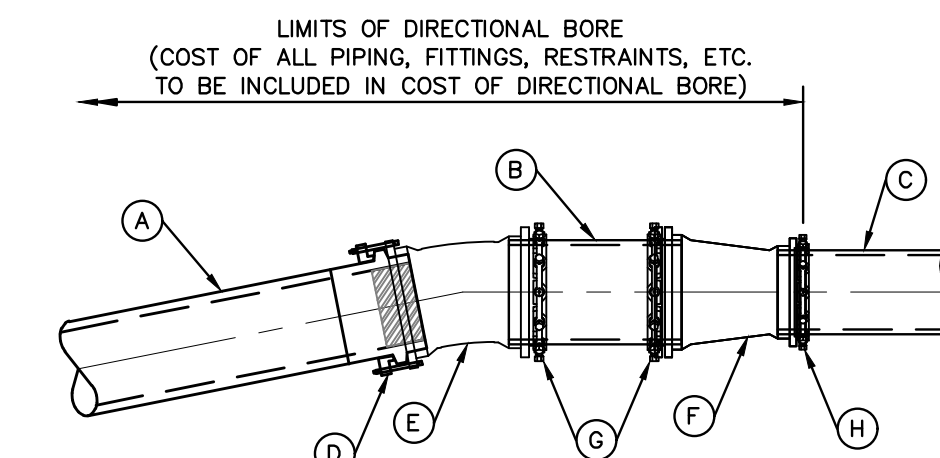


HDPE PIPE TO MJ FITTING TRANSITION



HDPE PIPE TO PVC PIPE SPIGOT TO SPIGOT CONNECTION

HDPE TO PVC OR DI PIPE ADAPTER 3
010

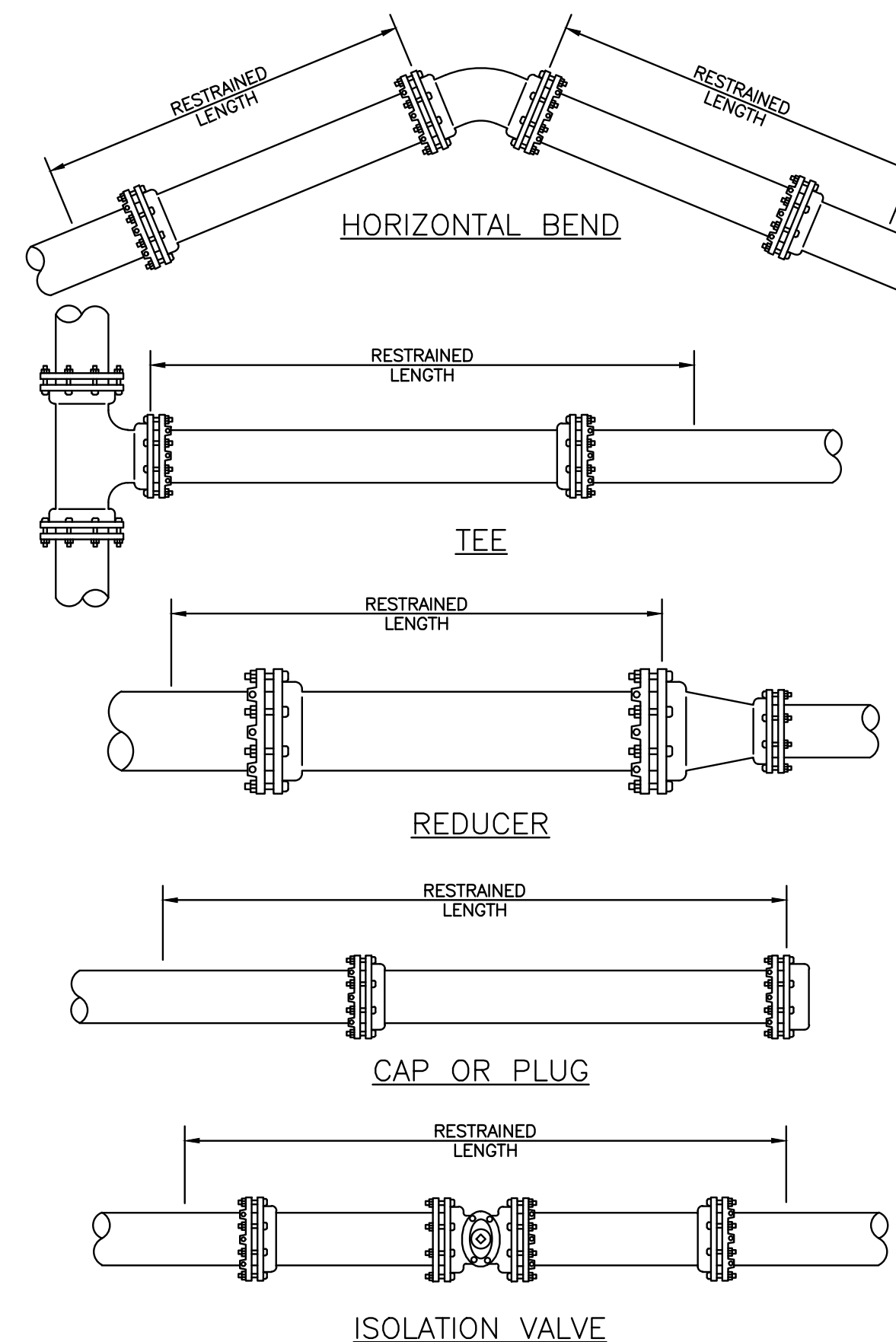


LIMITS OF DIRECTIONAL BORE (COST OF ALL PIPING, FITTINGS, RESTRAINTS, ETC. TO BE INCLUDED IN COST OF DIRECTIONAL BORE)

- (A) HDPE PIPE (NOMINAL SIZE NOTED IN TABLE BELOW)
- (B) 3 LF OF PVC PIPE (NOMINAL SIZE NOTED IN TABLE BELOW)
- (C) PVC PIPE (NOMINAL SIZE NOTED IN TABLE BELOW)
- (D) HDPE/DUCTILE IRON M.J. ADAPTER WITH GASKET SEAL AND STAINLESS STEEL STIFFENER (NOMINAL SIZE NOTED IN TABLE BELOW)
- (E) 11.25" M.J. BEND (SIZE NOTED IN TABLE BELOW). REQUIRED FITTING SUBJECT TO CHANGE PER PLAN AND PROFILE SHEETS. RESTRAIN 10' EACH WAY OF BEND.
- (F) M.J. REDUCER (SIZE NOTED IN TABLE BELOW. REQUIRED FITTING SUBJECT TO CHANGE PER PLAN AND PROFILE SHEETS.
- (G) PVC PIPE/M.J. JOINT RESTRAINT (SIZE NOTED IN TABLE BELOW)
- (H) PVC PIPE/M.J. JOINT RESTRAINT (SIZE NOTED IN TABLE BELOW)

DIAMETER OF DRILL PIPE	A	B	C	D	E	F	G	H
6"	6"	6"	4"	6"	6"	6"x4"	6"	4"
8"	8"	8"	6"	8"	8"	8"x6"	8"	6"
10"	10"	10"	8"	10"	10"	10"x8"	10"	8"
12"	12"	12"	10"	12"	12"	12"x10"	12"	10"
16"	16"	16"	12"	16"	16"	16"x12"	16"	12"
18"	18"	18"	16"	18"	18"	18"x16"	18"	16"
20"	20"	20"	18"	20"	20"	20"x18"	20"	18"
24"	24"	24"	20"	24"	24"	24"x20"	24"	20"

HDPE TO PVC TRANSITION DETAIL 4
010



RESTRAINED LENGTHS FOR PIPE 7
010

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMESON R. TONREBULT, P.E. #34396. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

SCALE: AS NOTED
 DESIGNED BY: JWW
 DRAWN BY: SNH
 CHECKED BY: JRT

REVISIONS
 No. DATE BY

2023 KIMLEY-HORN AND ASSOCIATES, INC.
 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602
 PHONE: 813-920-1460
 WWW.KIMLEY-HORN.COM

CIVIL DETAILS

CITY OF WAUCHULA
 SERVICE AREA 3 WATERMAIN
 REHABILITATION

HARDEE COUNTY
 FLORIDA

100% PLAN SET
 NOT FOR CONSTRUCTION

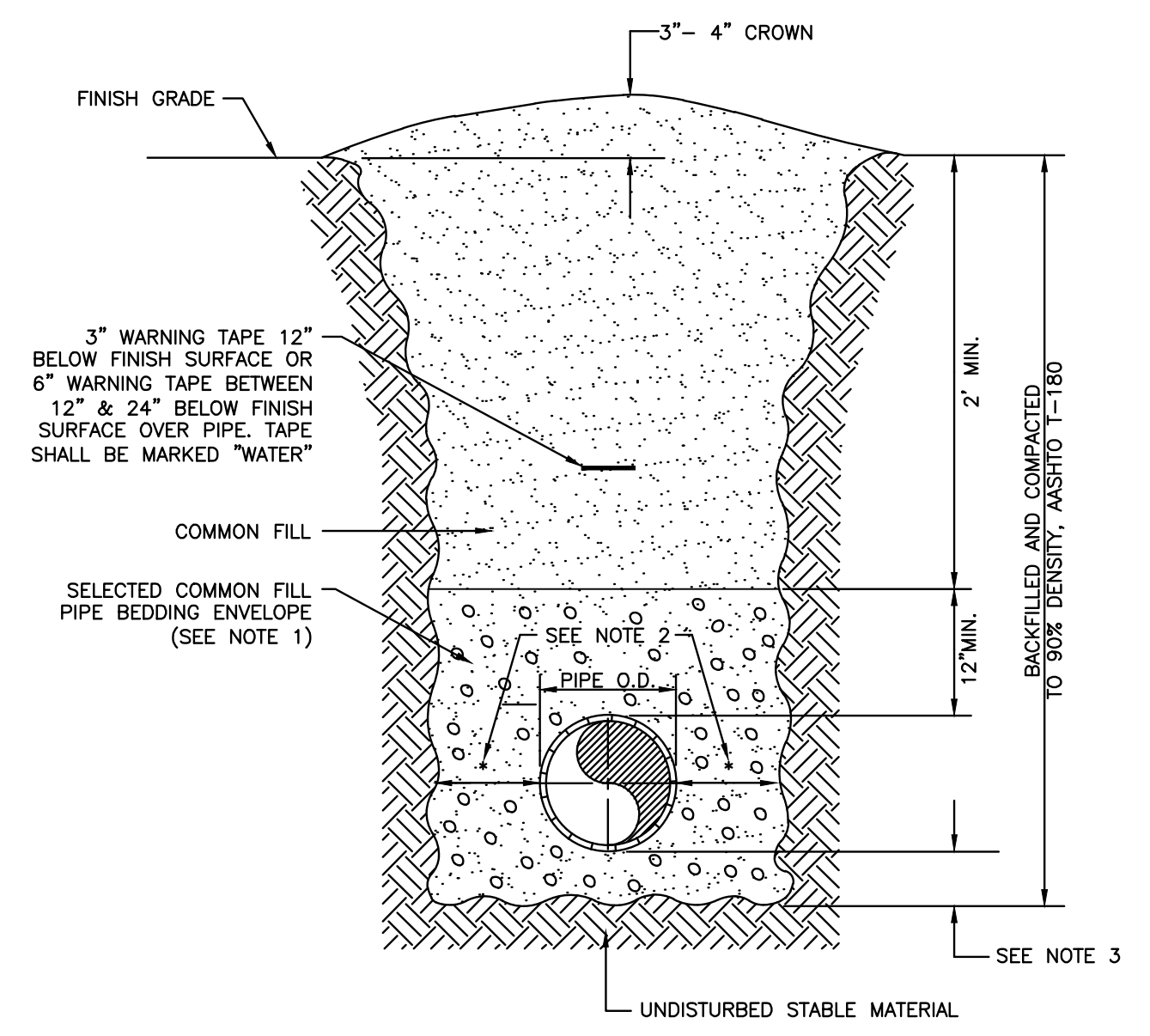
DATE: MAY 2023
 PROJECT NO: 046292031
 SHEET NUMBER: 010



GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

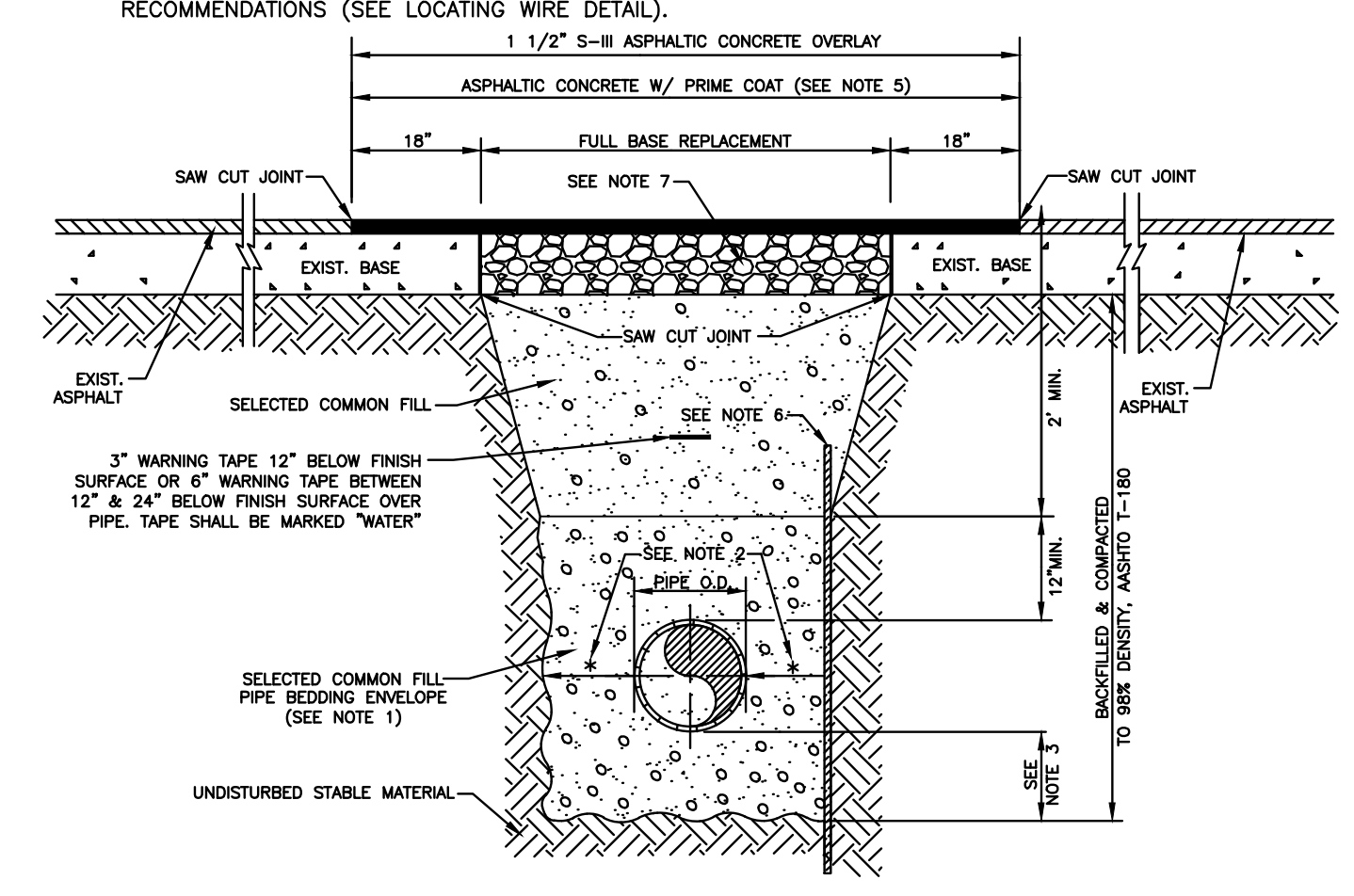
Drawing name: K:\LAK_Civil\046292031 - Service Area 3 Phase 2 Revisions\CADD\CONSTR\011 - TRENCHING DETAILS.dwg 011 Jun 12, 2023 12:22pm by: KAuja, Wallace
 This document, together with the concepts and designs presented herein, is an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and 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:**
- USE OF TYPE A-2 AND A-3 PIPE BEDDING TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
 - PROVIDE ADEQUATE CLEARANCE TO PLACE AND COMPACT STAGE 1 BEDDING MATERIAL IN TRENCH AREA BELOW PIPE SPRINGLINE. PIPE EMBEDMENT MUST BE COMPACTED OUT TO THE TRENCH WALL OR 2.5 TIMES THE PIPE OD, WHICHEVER IS LESS.
 - TYPICALLY 4" TO 6".
 - PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
 - CONTRACTOR TO PLACE LOCATING WIRE ALONG ALIGNMENT OF WATER MAIN PER MANUFACTURER'S RECOMMENDATIONS (SEE LOCATING WIRE DETAIL).



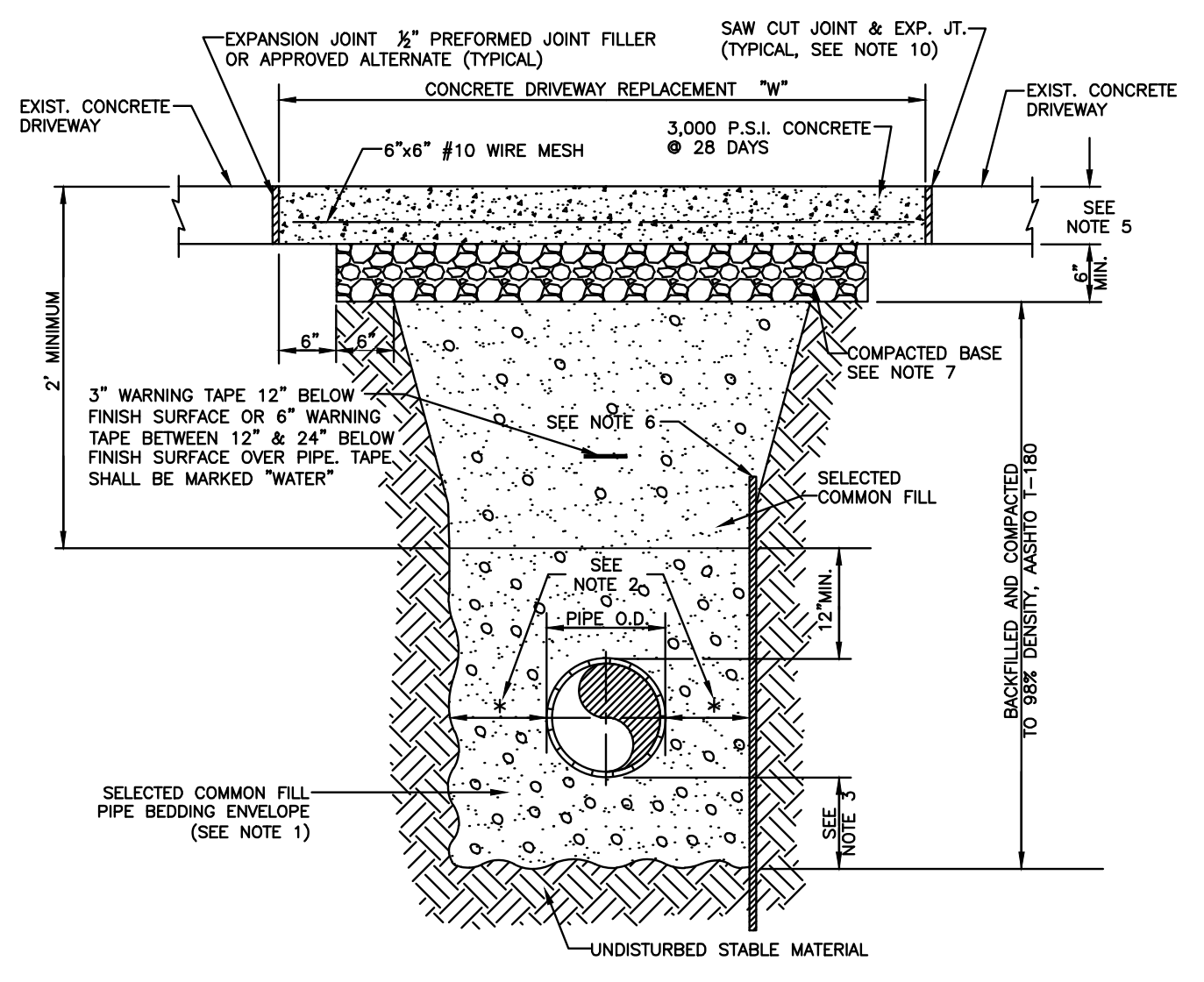
TRENCH WITH UNIMPROVED SURFACE TYPE A-1 PIPE BEDDING
 N.T.S. 1
011

- NOTES:**
- USE OF TYPE A-2 AND A-3 PIPE BEDDING TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
 - PROVIDE ADEQUATE CLEARANCE TO PLACE AND COMPACT STAGE 1 BEDDING MATERIAL IN TRENCH AREA BELOW PIPE SPRINGLINE. PIPE EMBEDMENT MUST BE COMPACTED OUT TO THE TRENCH WALL OR 2.5 TIMES THE PIPE OD, WHICHEVER IS LESS.
 - TYPICALLY 4" TO 6".
 - PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
 - ASPHALTIC CONCRETE STRUCTURE COURSE WITH PRIME COAT SHALL BE THE SAME DEPTH AND TYPE AS EXISTING OR A MINIMUM OF 1 1/4 INCH, WHICHEVER IS GREATER. ONLY HOT PATCH ASPHALT REPAIR METHODS WILL BE ACCEPTABLE.
 - SHEETING ORDERED LEFT IN PLACE TO BE CUT OFF 24" BELOW FINISHED GRADE OR 12" BELOW SUBGRADE.
 - BASE SHALL BE 10" MINIMUM THICKNESS CRUSHED CONCRETE.
 - TEMPORARY PATCHES WILL BE INSTALLED TO PROVIDE A SMOOTH ALL WEATHER SURFACE AT ALL TIMES. PERMANENT REPLACEMENT TO BE MADE AS SOON AS POSSIBLE.
 - RESTORE SIGNAGE & MARKING WITH THERMOPLASTIC PER FDOT STANDARDS, LATEST EDITION.
 - CONTRACTOR TO PLACE LOCATING WIRE ALONG ALIGNMENT OF WATER MAIN PER MANUFACTURER'S RECOMMENDATIONS (SEE LOCATING WIRE DETAIL).

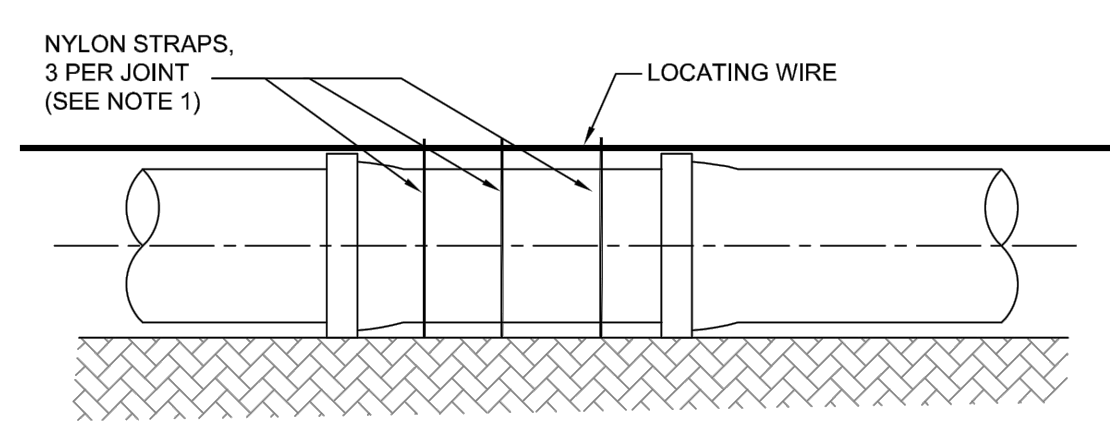
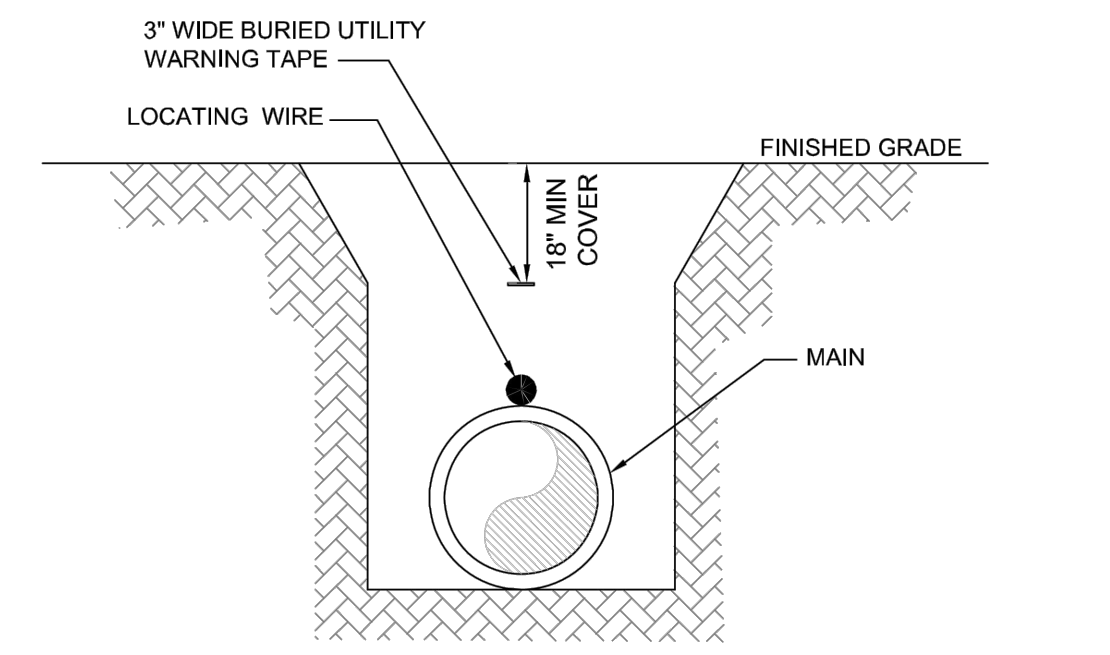


TRENCH WITH ASPHALT PAVEMENT SURFACE TYPE A-1 PIPE BEDDING
 N.T.S. 2
011

- NOTES:**
- USE OF TYPE A-2 AND A-3 PIPE BEDDING TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
 - PROVIDE ADEQUATE CLEARANCE TO PLACE AND COMPACT STAGE 1 BEDDING MATERIAL IN TRENCH AREA BELOW PIPE SPRINGLINE. PIPE EMBEDMENT MUST BE COMPACTED OUT TO THE TRENCH WALL OR 2.5 TIMES THE PIPE OD, WHICHEVER IS LESS.
 - TYPICALLY 4" TO 6".
 - PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
 - THICKNESS TO MATCH EXISTING OR BE 6" MINIMUM, WHICHEVER IS GREATER.
 - SHEETING ORDERED LEFT IN PLACE TO BE CUT OFF 24" BELOW FINISH GRADE OR 12" BELOW SUBGRADE.
 - BASE SHALL BE COMPACTED 6" MINIMUM THICKNESS OF APPROVED MATERIAL.
 - IF THE DRIVEWAY IS 12' OR WIDER, SAWCUT AN EXPANSION JOINT ALONG THE CENTER OF THE DRIVEWAY (3/8" WIDE AND 1/2" DEEP) AFTER THE CONCRETE HAS SET.
 - IF THERE IS AN EXISTING EXPANSION JOINT WITHIN 3' OF THE PROPOSED JOINT, EXTEND DRIVEWAY REPLACEMENT TO THE EXISTING JOINT.
 - CONTRACTOR TO PLACE LOCATING WIRE ALONG ALIGNMENT OF WATER MAIN PER MANUFACTURER'S RECOMMENDATIONS (SEE LOCATING WIRE DETAIL).



TRENCH WITH CONCRETE DRIVEWAY SURFACE TYPE A-1 PIPE BEDDING
 N.T.S. 3
011



- NOTES:**
- ALL PIPE SHALL REQUIRE INSULATED LOCATING WIRE (14 GAUGE SINGLE STRAND COPPER) CAPABLE OF DETECTION BY A CABLE LOCATOR AND SHALL BE SECURED TO THE TOP AND ON THE CENTERLINE OF THE PIPE WITH NYLON STRAPS THAT ARE SLIPPED ON THE PIPE PRIOR TO THE INSTALLATION OF EACH PIPE SECTION, AND TIGHTENED OVER THE WIRE AFTER INSTALLATION.
 - ALL CONNECTIONS SHALL BE MADE USING WATER-PROOF CONNECTORS.

LOCATING WIRE DETAIL
 N.T.S. 4
011

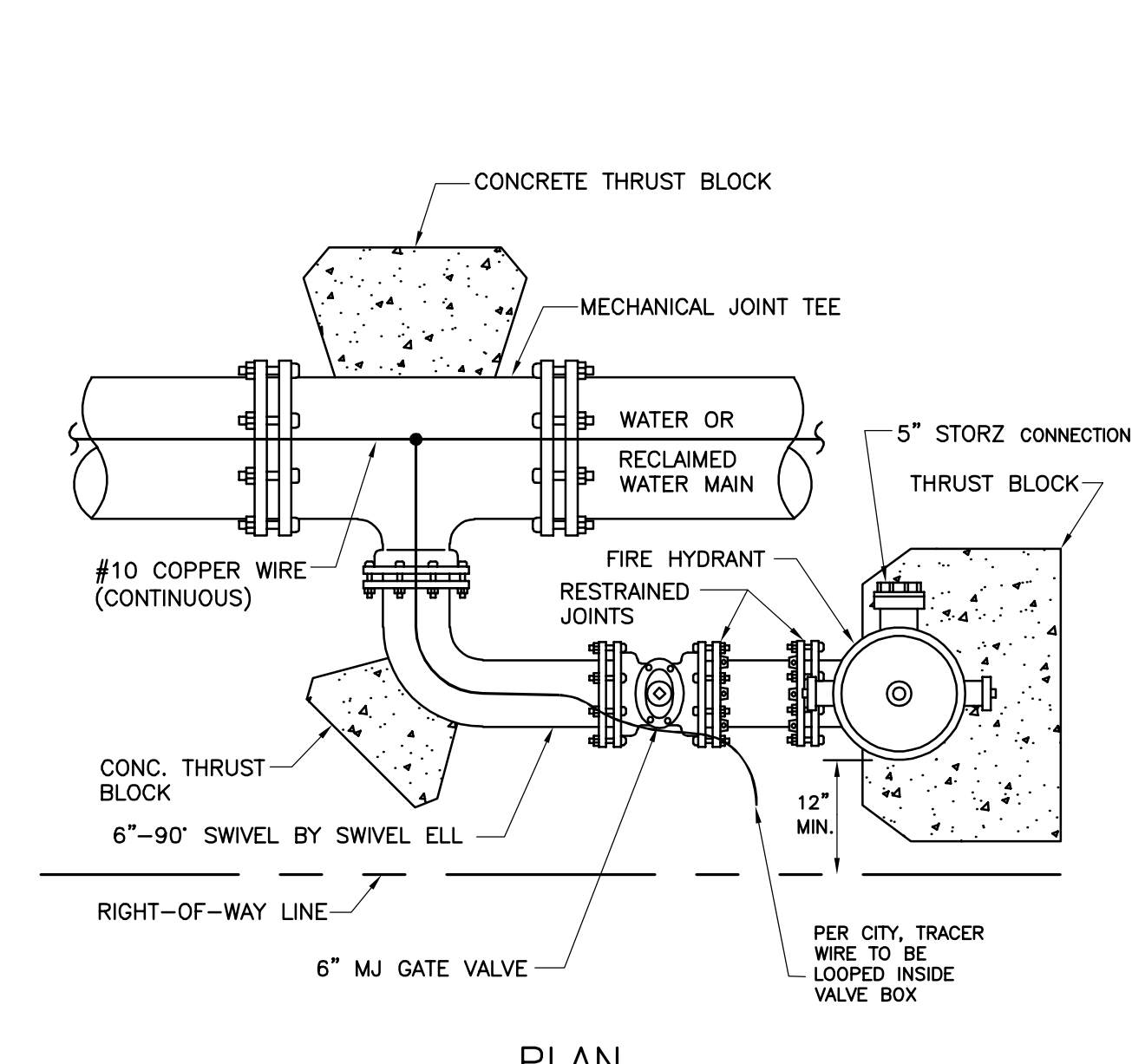
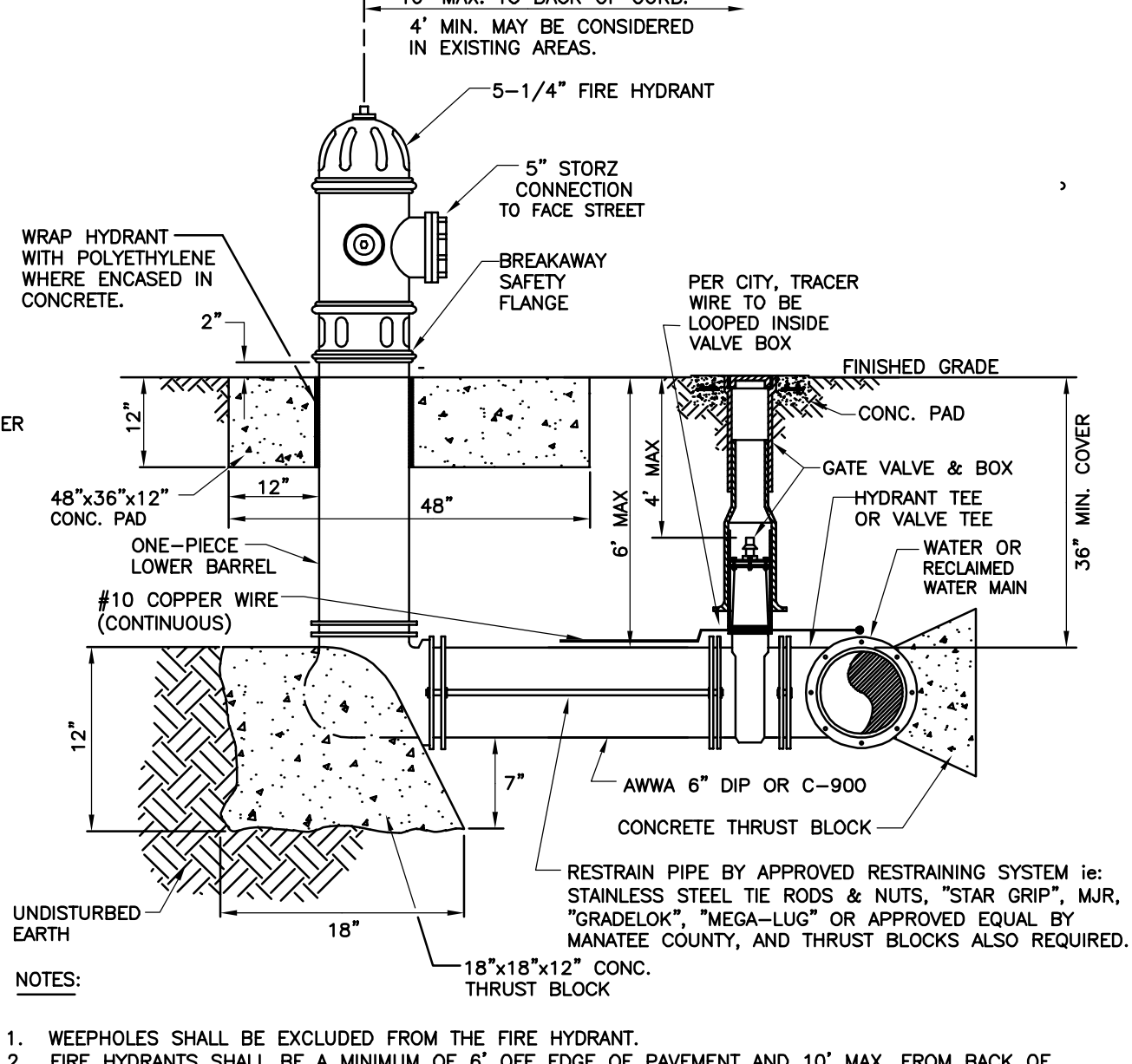
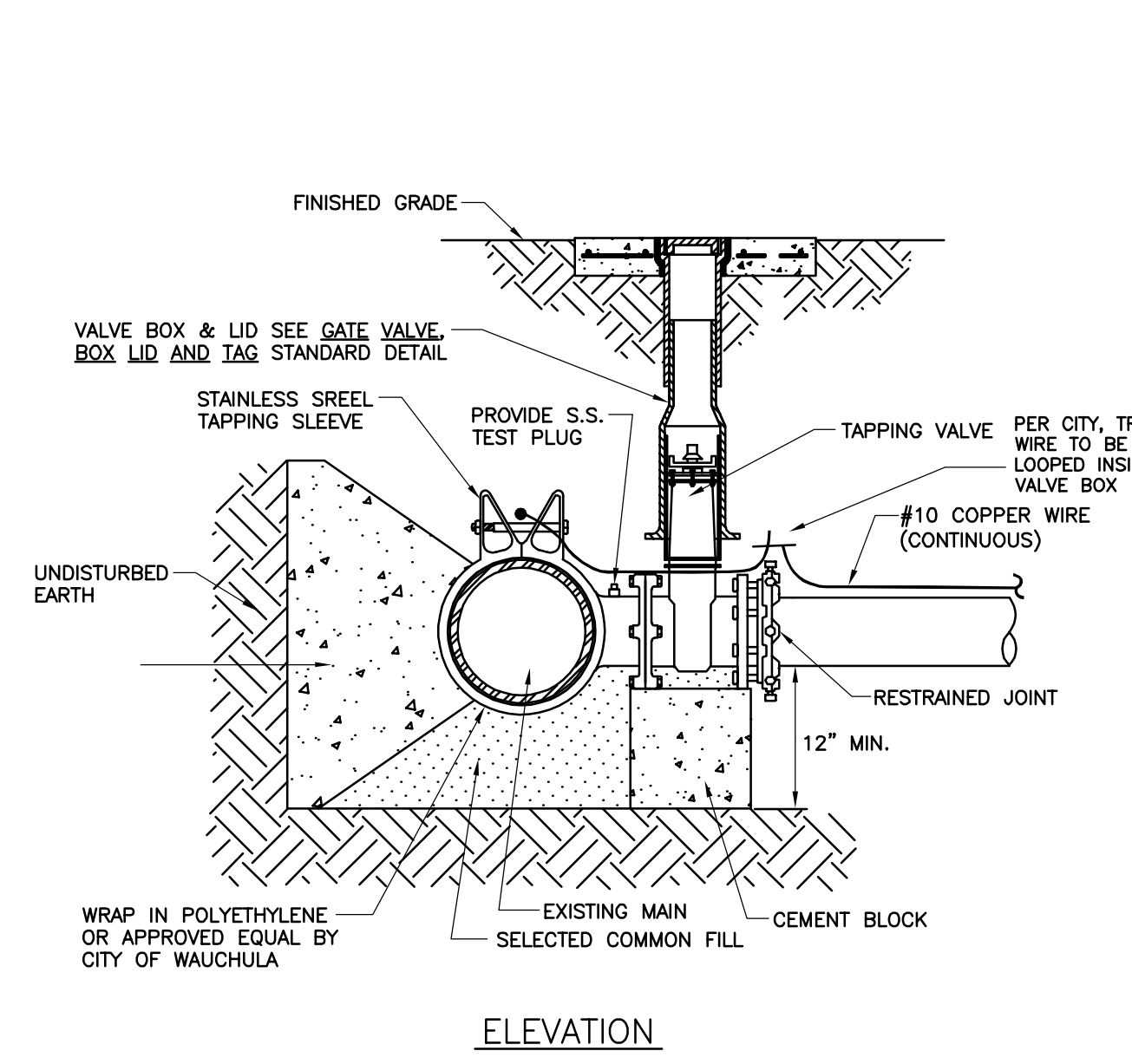
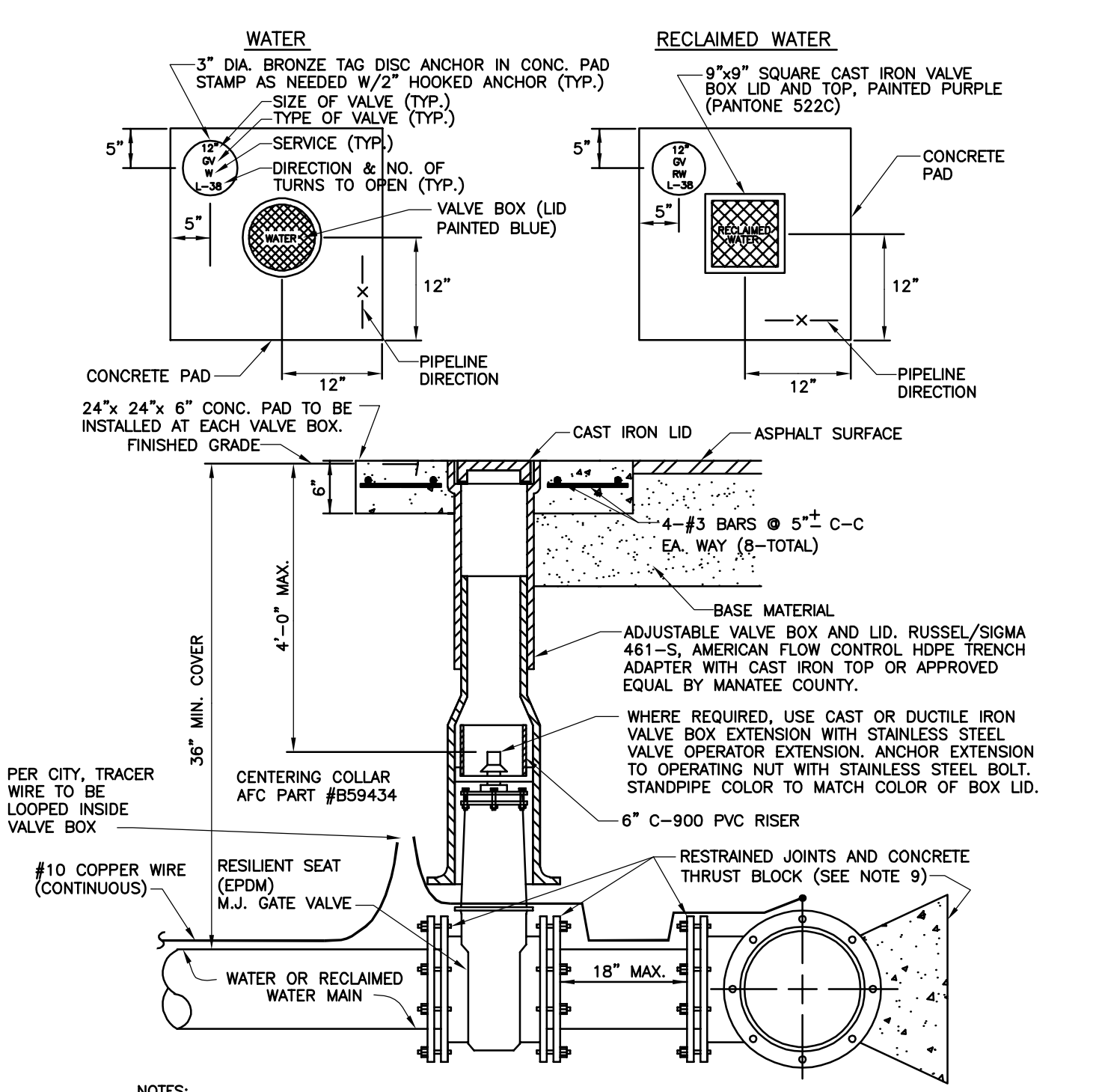
100% PLAN SET NOT FOR CONSTRUCTION



GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

<p>Kimley»Horn</p> <p>© 2023 KIMLEY-HORN AND ASSOCIATES, INC. 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602 PHONE: 813-920-1460 WWW.KIMLEY-HORN.COM</p>	<p>PROFESSIONAL ENGINEER</p> <p>R. L. TONREULT No. 84396 STATE OF FLORIDA PROFESSIONAL SEAL</p>
<p>SCALE: AS NOTED</p> <p>DESIGNED BY: JWW</p> <p>DRAWN BY: SNH</p> <p>CHECKED BY: JRT</p>	<p>CIVIL DETAILS</p>
<p>CITY OF WAUCHULA SERVICE AREA 3 WATERMAIN REHABILITATION</p> <p>HARDEE COUNTY FLORIDA</p>	<p>DATE: MAY 2023</p> <p>PROJECT NO.: 046292031</p> <p>SHEET NUMBER: 011</p>
<p>THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TONREULT, P.E. #84396. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.</p>	

Drawing name: K:\LAK_Civil\046292031 - Service Area 3 Phase 2 Revisions\CADD\CONSTR\012 - WATER DETAILS.dwg 012 Aug 01, 2023 11:21am by: Jamison.Tondreault
 This document, together with the concepts and designs presented herein, is an instrument of service, intended only for the specific purpose and client for which it was prepared. Reuse of and 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:**
- "WM" TO BE IMPRESSED INTO THE NEWLY-POURED CONCRETE CURB, ALONG WITH DISTANCE IN FEET TO THE VALVE. IF NO CURB, INSTALL A BLUE DISC WITH "WM" AND A 1/8"x1" GALVANIZED STEEL SCREW IN THE EDGE OF PAVEMENT WITH THE FOOTAGE FROM THE DISC TO THE VALVE.
 - ALL EXISTING AND PROPOSED VALVE BOXES SHALL BE ADJUSTED TO FINISHED GRADES AS DETERMINED IN THE FIELD.
 - WATER VALVES SHALL NOT BE PLACED IN HANDICAPPED RAMPS.
 - PRECAST CONCRETE PADS & THRUST BLOCKS SHALL NOT BE USED.
 - ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1/2".
 - FOR VALVES 16" AND LARGER, USE BUTTERFLY VALVES.
 - PIPELINE DIRECTION TO BE IMPRESSED INTO NEWLY POURED CONCRETE PAD.
 - WHERE THRUST BLOCK NOT USED, RESTRAINED JOINTS MUST THEN EXTEND FROM TEE FULL LENGTH SPECIFIED FOR TEES.
 - BINGHAM & TAYLOR PATTERN FOR NORMAL YARD SERVICE, WHERE VALVE WILL BE IN STREET OR PARKING UNDER VEHICLE TRAFFIC, USE P525RD CENTERED IN SEPARATE CONCRETE PAD SIMILAR TO STANDARD VALVE BOX PAD.

- NOTES:**
- PRIOR TO TAPPING, CONTRACTOR TO DEMONSTRATE 60 MINUTE HYDROSTATIC TEST OF THE TAPPING SLEEVE AND VALVE WITH NO LOSS OF 180 PSI PRESSURE FOR WATER AND RECLAIMED WATER OR 150 PSI FOR FORCE MAIN.
 - ALL FITTINGS TO BE WRAPPED WITH 20 MIL VISQUEEN AT THRUST BLOCK.
 - ALL TAPS ON CONCRETE WATER MAINS AND LARGER THAN 12" ARE TO BE MADE BY A MANATEE COUNTY APPROVED TAPPING COMPANY. ALL MATERIALS TO BE SUPPLIED BY THE CONTRACTOR.
 - ALL TAPS MUST BE OF A SMALLER SIZE THAN THE MAIN BEING TAPPED & PLACED NO CLOSER THAN 30" OR A DISTANCE EQUAL TO (1) MAIN PIPE DIAMETER PLUS (2) TAP PIPE DIAMETERS (WHICHEVER IS GREATER) FROM A JOINT OR FITTING.
 - CONTRACTOR TO SUPPLY A DRY HOLE FOR TAPPING CREW TO WORK IN AND A BACK-HOE TO LOWER TAPPING MACHINE INTO THE HOLE.
 - WHERE THRUST BLOCK NOT USED, RESTRAINED JOINTS MUST THEN EXTEND FROM TEE FULL LENGTH SPECIFIED FOR TEES.
 - TRACER WIRE TEST STATION BOX IS REQUIRED AT CONNECTIONS TO EXISTING MAINS.

- NOTES:**
- WEEPHOLES SHALL BE EXCLUDED FROM THE FIRE HYDRANT.
 - FIRE HYDRANTS SHALL BE A MINIMUM OF 6' OFF EDGE OF PAVEMENT AND 10' MAX. FROM BACK OF CURB, WHERE POSSIBLE AND WHERE SIDEWALK IS TO BE INSTALLED, FIRE HYDRANT SHALL BE LOCATED BETWEEN SIDEWALK AND RIGHT-OF-WAY LINE.
 - HYDRANTS SHALL BE FUSION BONDED EPOXY COATED SAFETY YELLOW FOR WATER. HYDRANT SHALL BE DUCTILE IRON CONSTRUCTION.
 - FIRE HYDRANTS SHALL BE PLACED SO THAT STORM WATER FLOWS AWAY FROM THE HYDRANT.
 - FIRE HYDRANTS SHALL BE CONSTRUCTED WITH "GROUND LINE" SET TO FINISHED GRADES AS ESTABLISHED IN THE FIELD. NORMAL BURY IS 3 FEET OF COVER FOR ALL WATER LINES.
 - FIRE HYDRANTS MAY BE CONSTRUCTED WITH "GRADELOK" OFFSET FITTING.
 - RAISED REFLECTIVE PAVEMENT MARKER (BLUE) FOR POTABLE WATER SHALL BE INSTALLED AT CENTERLINE OF PAVEMENT ADJACENT TO EACH HYDRANT.
 - PRECAST CONCRETE THRUST BLOCKS & PADS SHALL NOT BE USED.
 - ALL EXPOSED EDGES OF CONCRETE SHALL HAVE 1/2" CHAMFER.
 - FIRE HYDRANT VALVE SHALL BE FASTENED DIRECTLY TO TEE.
 - IN-LINE VALVES SHOULD BE LOCATED AT HYDRANT TEES.
 - HYDRANTS SHALL BE LOCATED ON SAME SIDE OF ROAD AS WATER MAIN UNLESS OTHERWISE APPROVED.
 - THERE MUST BE A CLEARANCE OF 7 1/2 FEET FROM FRONT AND BOTH SIDES, AND FOUR FEET TO THE REAR OF THE HYDRANT, TO ABOVE GRADE OBSTRUCTIONS INCLUDING POSTS, FENCES, TREES, ETC., PER THE FLORIDA FIRE PREVENTION CODE.
 - SEE STANDARD DETAIL GATE VALVE, BOX, LID AND TAG.
 - SHOULD THE FIRE HYDRANT'S CONCRETE PAD OVERLAP THE SIDEWALK, THE TRACER WIRE TEST STATION BOX SHALL NOT BE LOCATED WITHIN THE SIDEWALK.

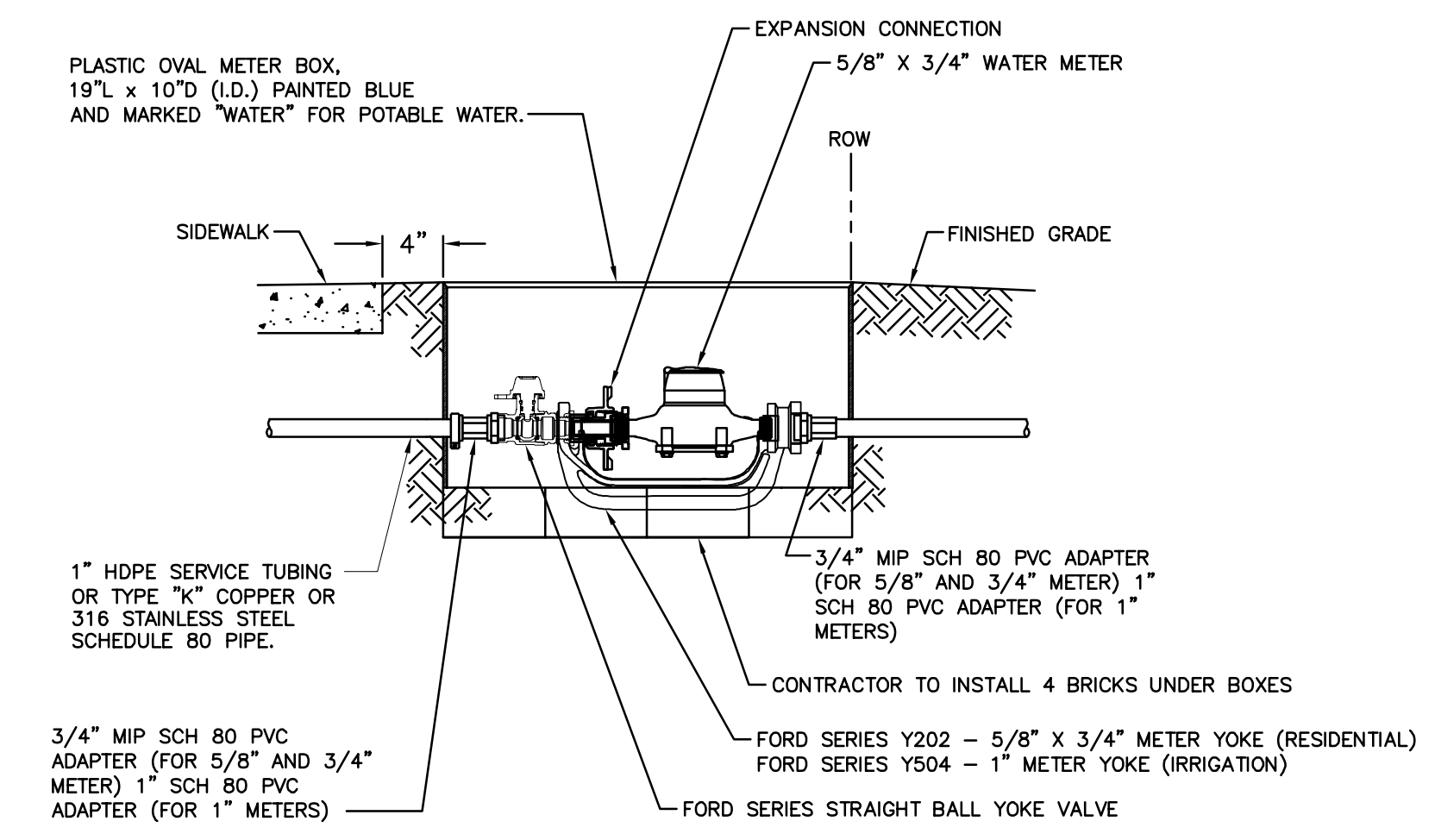
- NOTE:**
- THIS DETAIL FOR USE ONLY WHEN THE WATER MAIN IS LOCATED TOO CLOSE TO THE RIGHT-OF-WAY LINE TO USE THE FIRE HYDRANT ASSEMBLY DETAIL.
 - SEE STANDARD DETAIL GATE VALVE, BOX, LID AND TAG.

GATE VALVE, BOX, LID AND TAG 1
N.T.S. 012

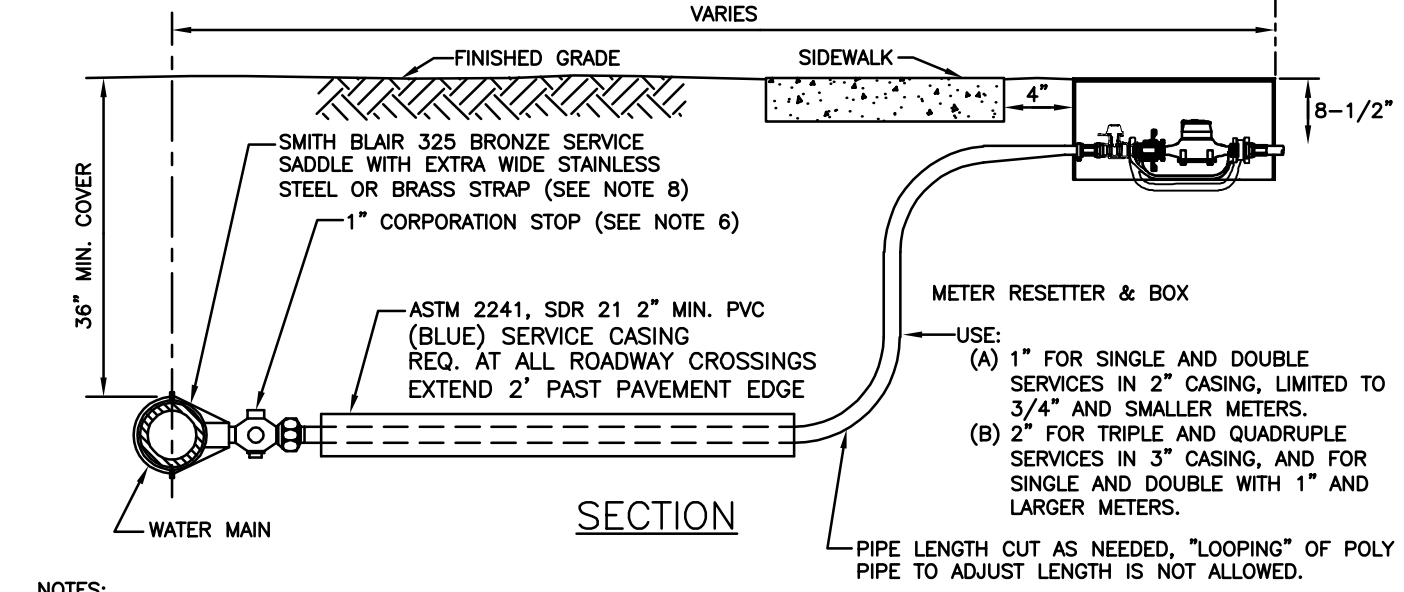
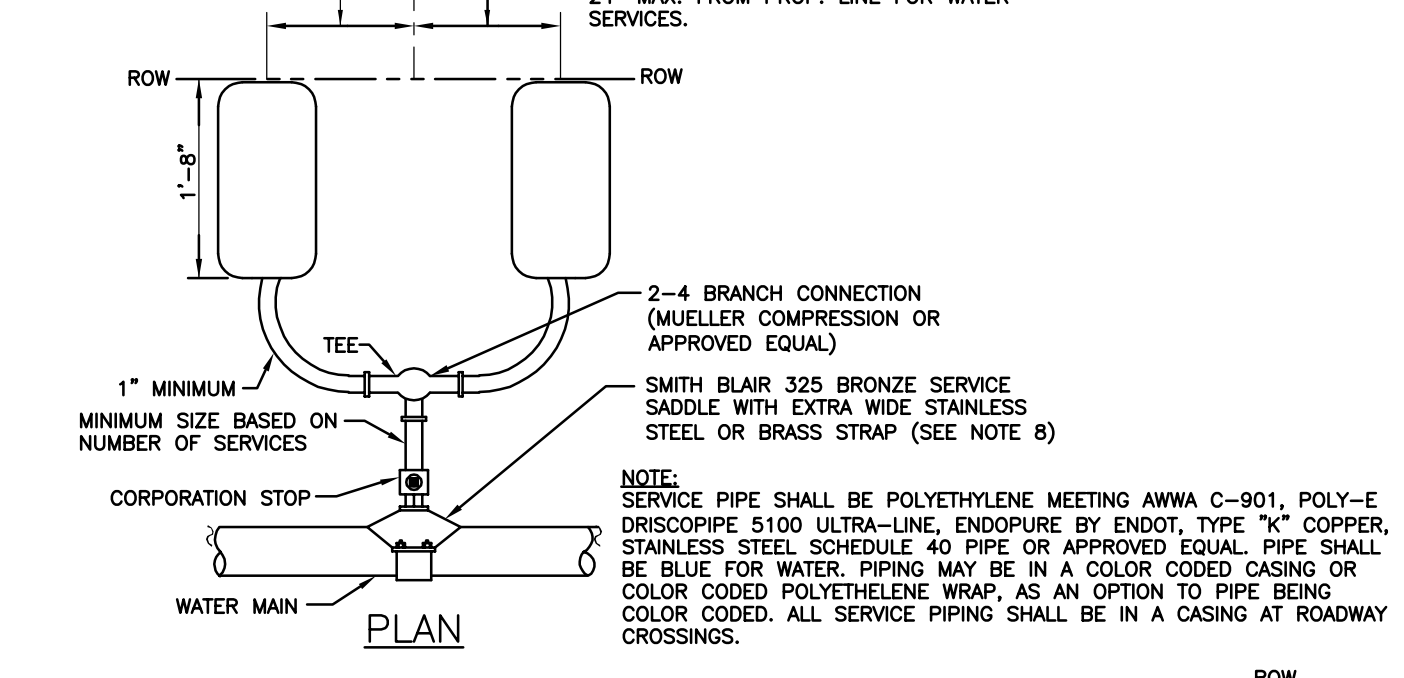
TAPPING SLEEVE AND VALVE 2
N.T.S. 012

FIRE HYDRANT ASSEMBLY 3
N.T.S. 012

FIRE HYDRANT WITH LOCKED 90° BEND 4
N.T.S. 012



- NOTES:**
- FOR COMPLETE SERVICE CONNECTION ASSEMBLY, SEE DETAIL TYPICAL SERVICE CONNECTION.
 - 3" MINIMUM CLEARANCE FROM LANDSCAPING PLANTS TO EDGE OF METER, CLEAR ACCESS OPENING TO STREET.
 - WATER METER MUST BE KAMSTRUP 5/8" X 3/4" FLOWIQ 2100 METER (KAMSTRUP ITEM# 02U-23-C03-BEX) WITH A 5" ITRON CABLE FACTORY MOUNTED (KAMSTRUP ITEM# 50004902)
 - ERT ENCODER MUST BE ITRON 1300-402 100W+ SERIES WATER ENDPOINT ERT, ENCODER WITH INTEGRAL CONNECTOR & ANTENNA CONNECTOR, INTERNALLY POTTED.
 - ONLY INSTALL ADAPTERS AS REQUIRED.



- NOTES:**
- ALL SERVICE TAPS TO BE LOCATED IN THE FIELD. TAPS SHALL BE NO CLOSER THAN 2'-0" STAGGERED INTERVALS OR WITHIN 2'-0" FROM BELL OR SPIGOT ENDS.
 - METER BOXES & RESETTERS ARE TO BE INSTALLED BY THE INFRASTRUCTURE CONTRACTOR AND SHALL NOT BE SET IN DRAINAGE SWALES, SIDEWALKS OR DRIVEWAYS.
 - "WM" TO BE IMPRESSED INTO THE NEWLY-POURED CONCRETE CURB ALONG WITH DISTANCE IN FEET TO THE METER. IF NO CURB, INSTALL A BLUE DISC WITH "WM" OR A PURPLE DISC WITH "RWM" AND A 1/8"x1" GALVANIZED STEEL SCREW IN THE EDGE OF PAVEMENT WITH THE DISTANCE (IN FEET) FROM THE DISC TO THE METER.
 - WATER AND WATER SERVICE LINES TO BE 5" MINIMUM FROM SEWER SERVICE PIPES.
 - FOR HDPE MAINS, USE ROMAC 306H SS OR CENTRAL PLASTICS ELECTRO FUSION CORP SADDLE.
 - ALL SERVICE LINES UNDER EXISTING ASPHALT SHALL BE INSTALLED BY DIRECTIONAL DRILL.

METER BOX ASSEMBLY FOR 5/8" METERS 6
N.T.S. 012

TYPICAL SERVICE CONNECTION 7
N.T.S. 012

100% PLAN SET
NOT FOR CONSTRUCTION



GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TONDREULT, P.E. #8438. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Kimley-Horn
 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602
 PHONE: 813-620-4600
 WWW.KIMLEY-HORN.COM

CIVIL DETAILS

CITY OF WAUCHULA
 SERVICE AREA 3 WATERMAIN
 REHABILITATION

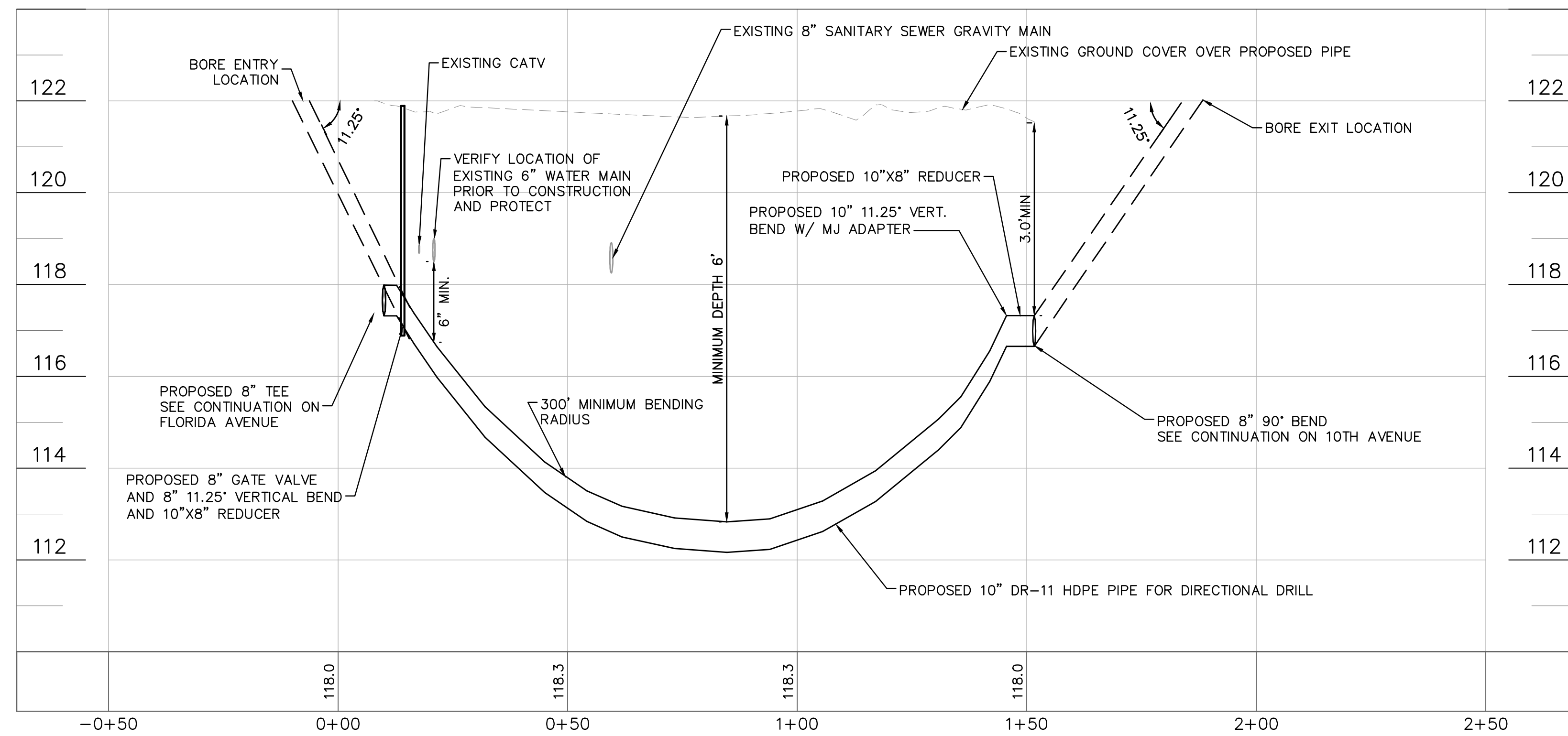
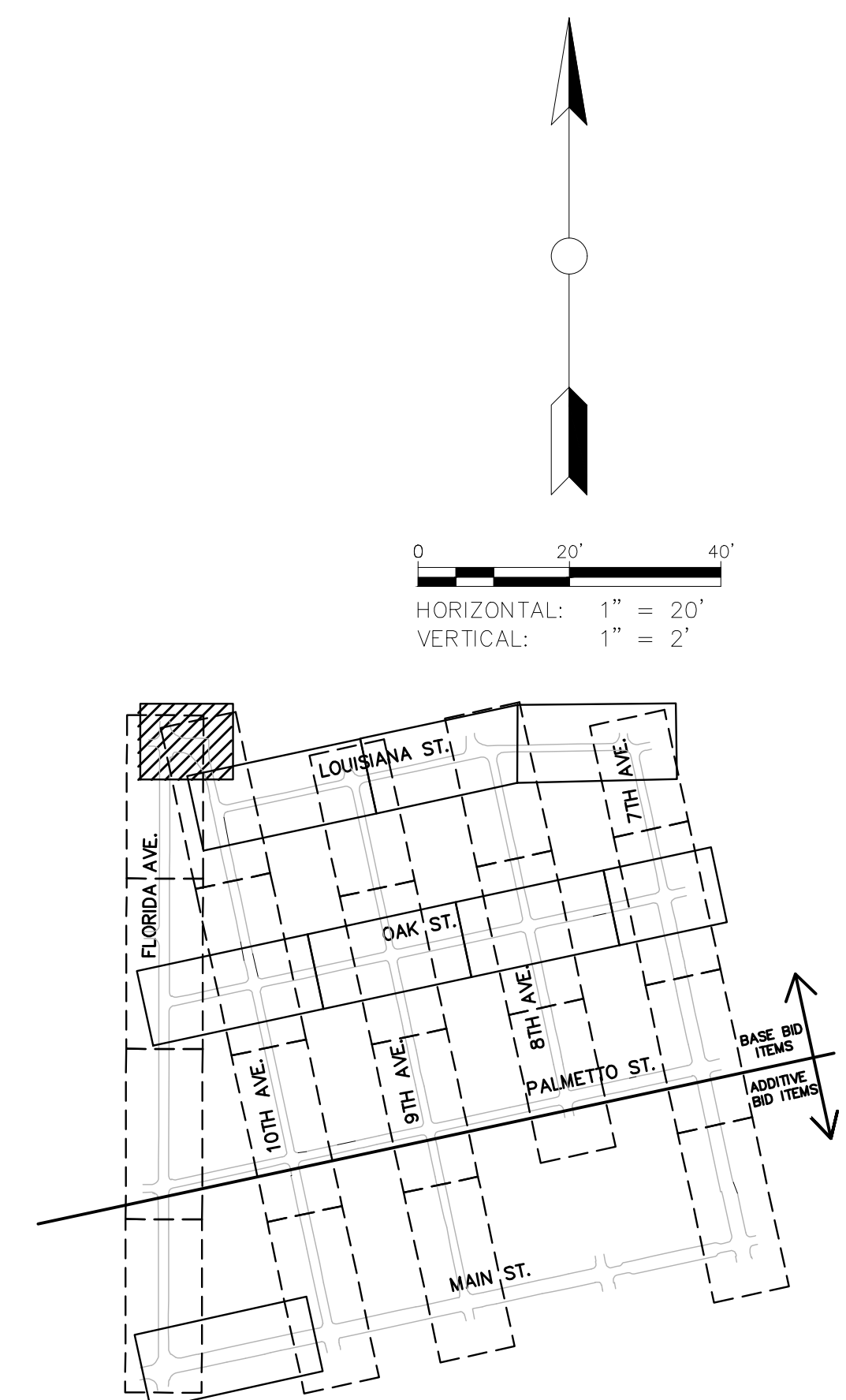
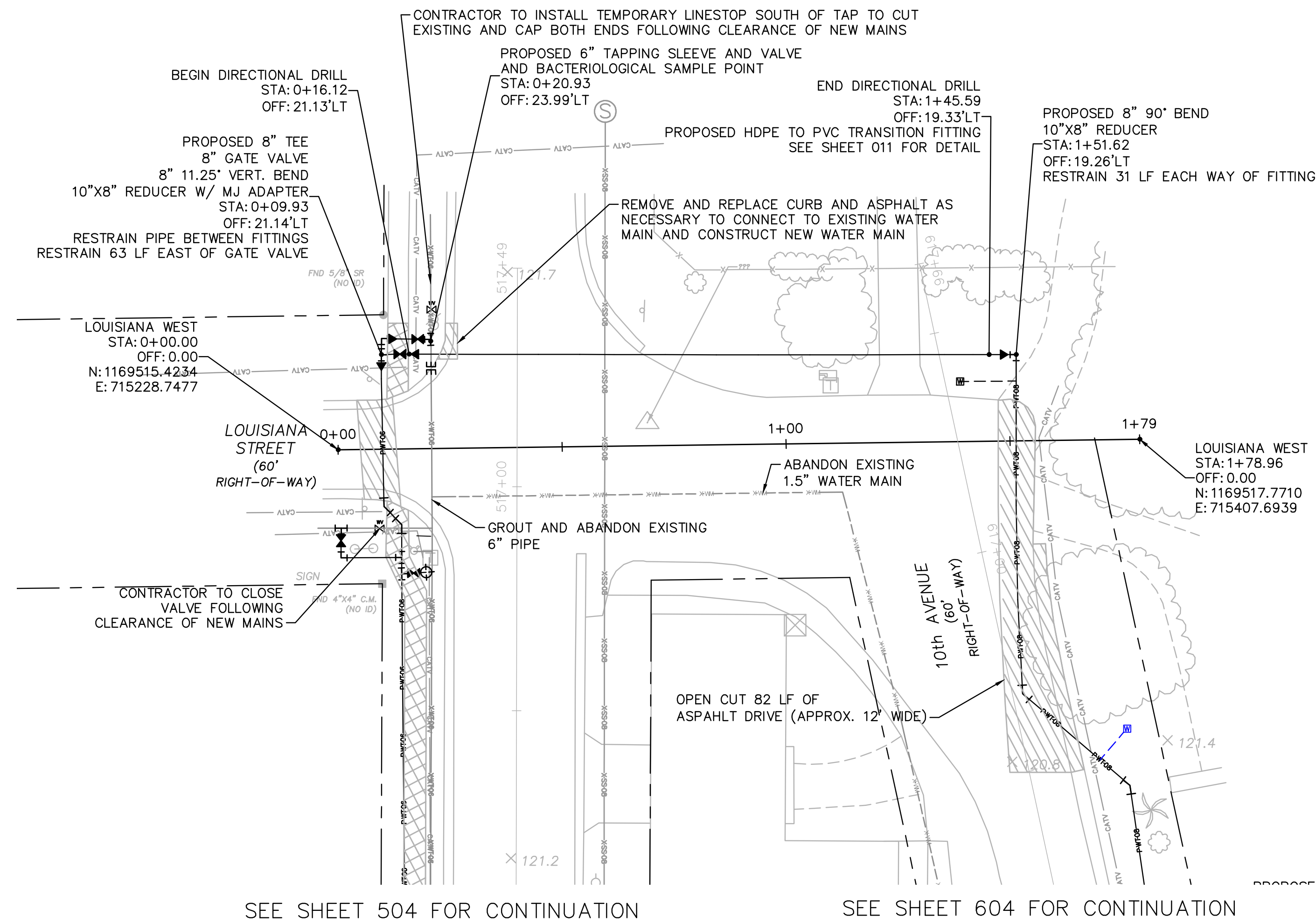
FLORIDA
 HARDEE COUNTY

DATE MAY 2023
 PROJECT NO. 046292031
 SHEET NUMBER 012

SCALE AS NOTED
 DESIGNED BY JWW
 DRAWN BY SNH
 CHECKED BY JRT

1 ADDENDUM 1
 REVISIONS
 No. DATE BY

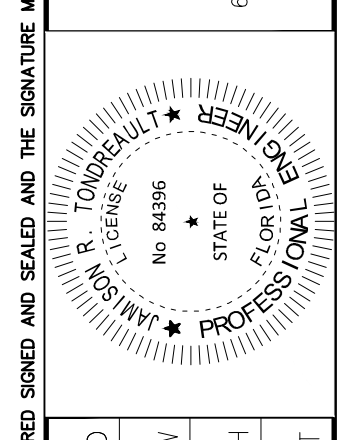
Drawing name: K:\LAK_Civil\046292031 - Service Area 3 Phase 2 Revisions\CADD\CONSTR\100 - LOUISIANA.dwg 101 Jun 12, 2023 12:23pm By: K.A.J.W. Wallace
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Please refer to the appropriate purpose and client for which it was prepared. Please do not use or reproduce this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



**100% PLAN SET
NOT FOR CONSTRUCTION**

No.	REVISIONS	DATE	BY

Kimley-Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602
 PHONE: 813-620-1460
 WWW.KIMLEY-HORN.COM



SCALE: AS NOTED
 DESIGNED BY: JWW
 DRAWN BY: SNH
 CHECKED BY: JRT

LOUISIANA STREET
 0+00 - 1+79

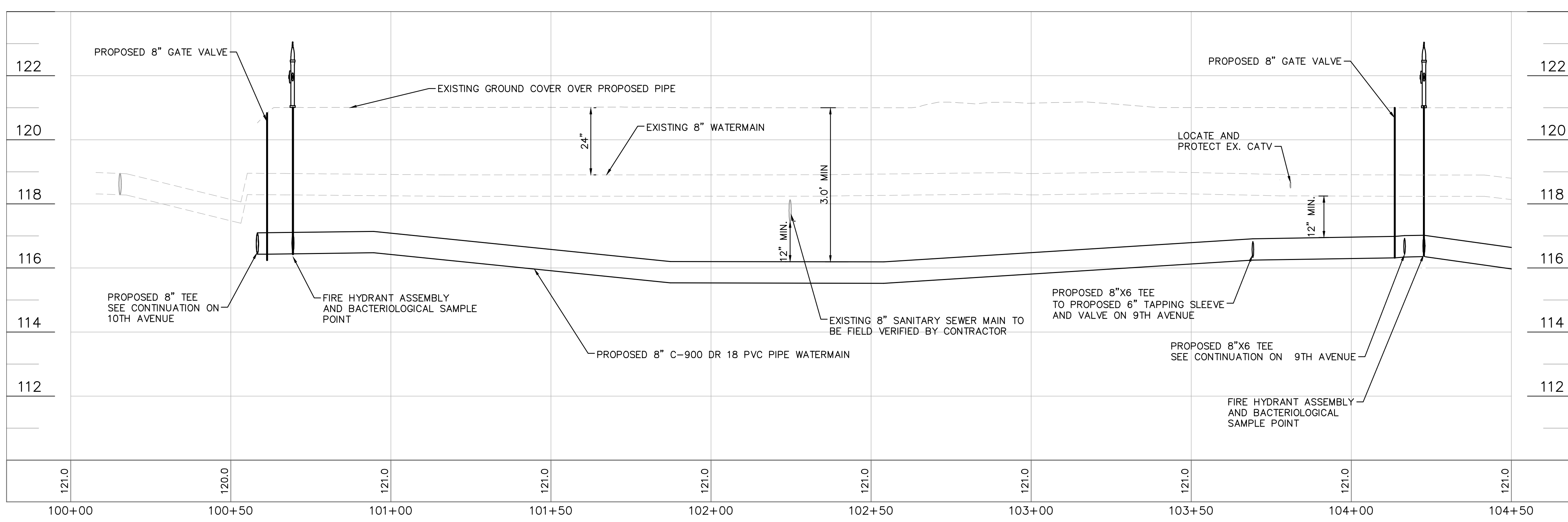
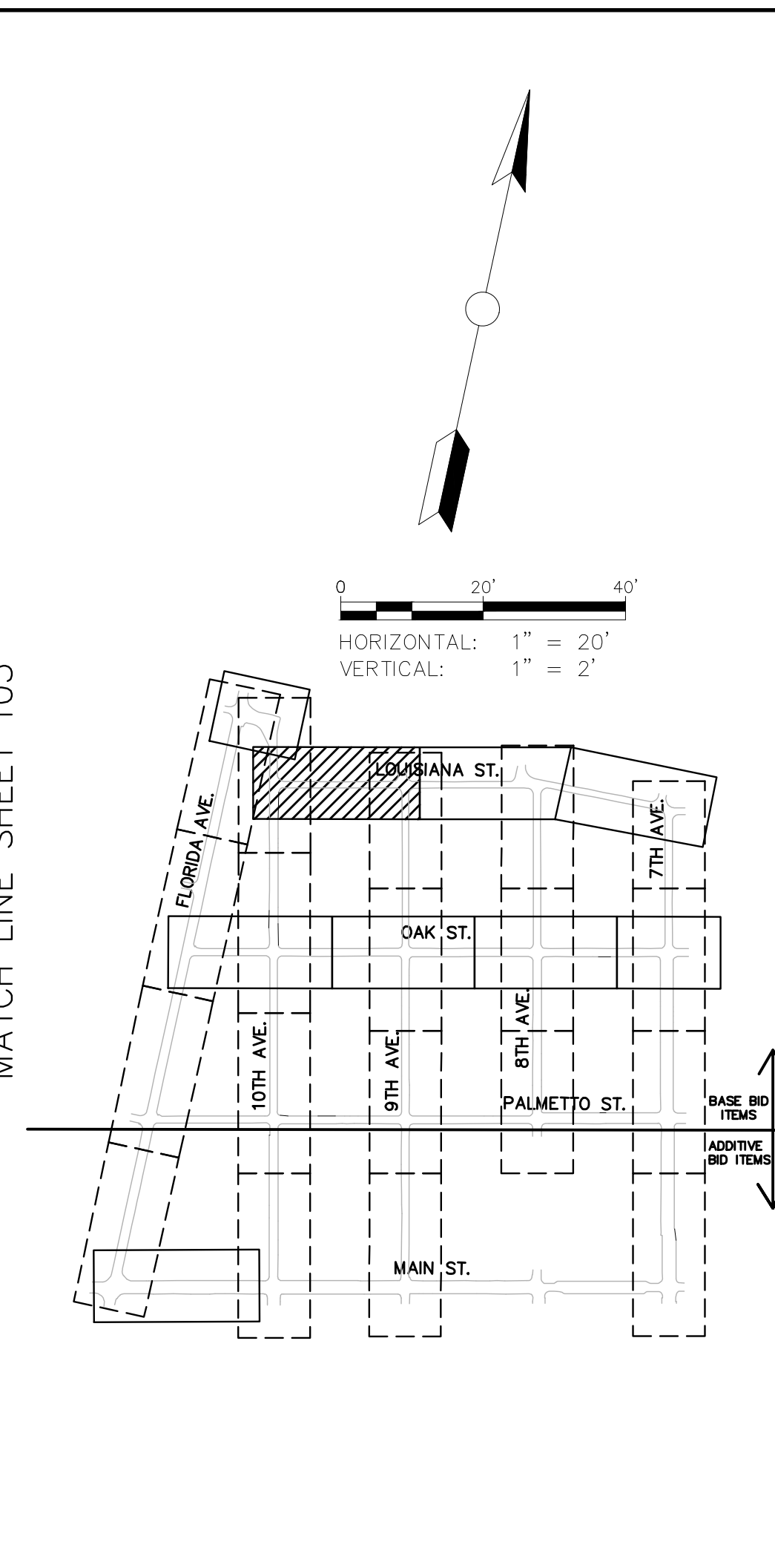
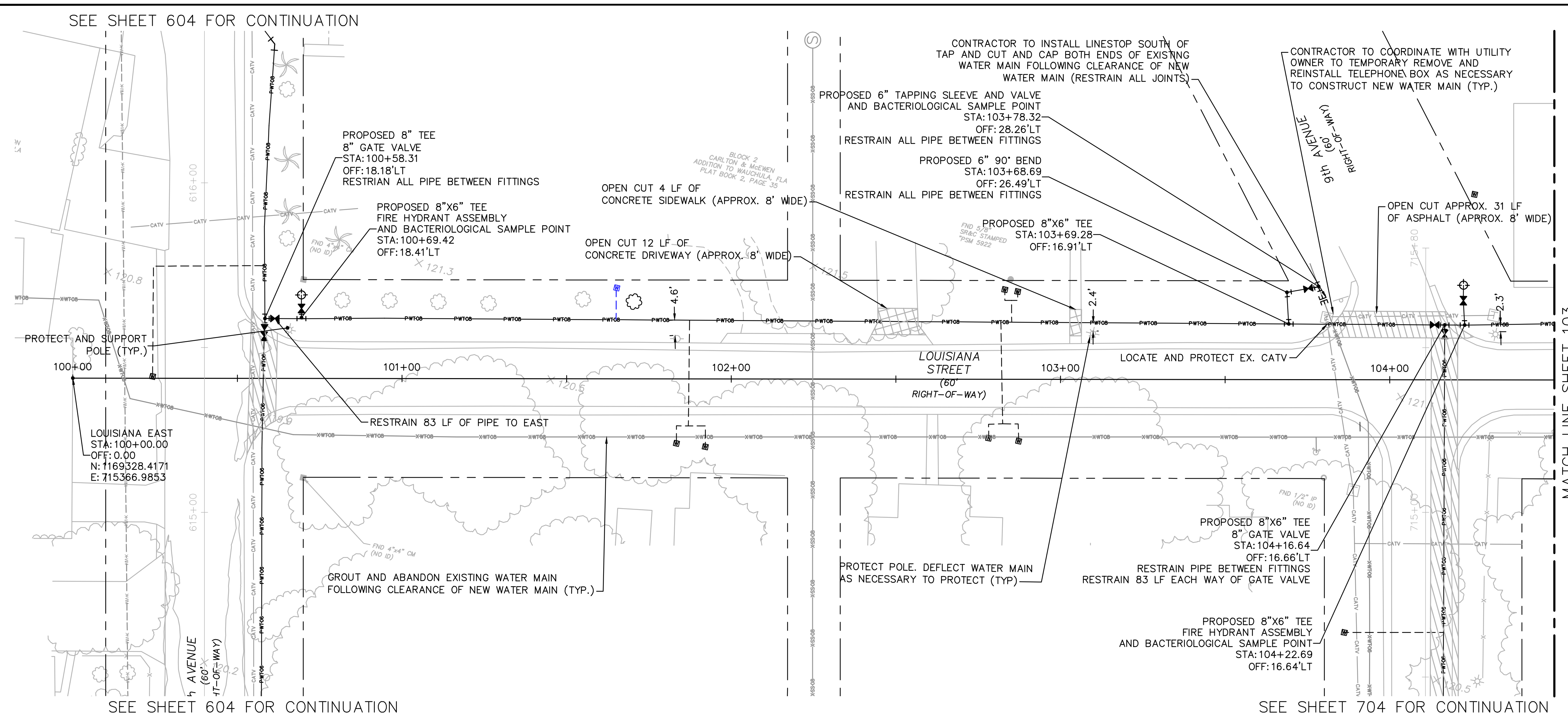
CITY OF WAUCHULA
 SERVICE AREA 3 WATERMAIN
 REHABILITATION
 HARDEE COUNTY, FLORIDA

DATE: MAY 2023
 PROJECT NO.: 046292031
 SHEET NUMBER: 101



GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

Drawing name: K:\AK_Civil\046292031 - Service Area 3 - Phase 2 Revisions\CADD\CONSTR\100 - LOUISIANA.dwg 102 Jun 12, 2023 12:24pm by: KAuja, Wallace
 This document, together with the concepts and designs presented herein, is an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse or 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.

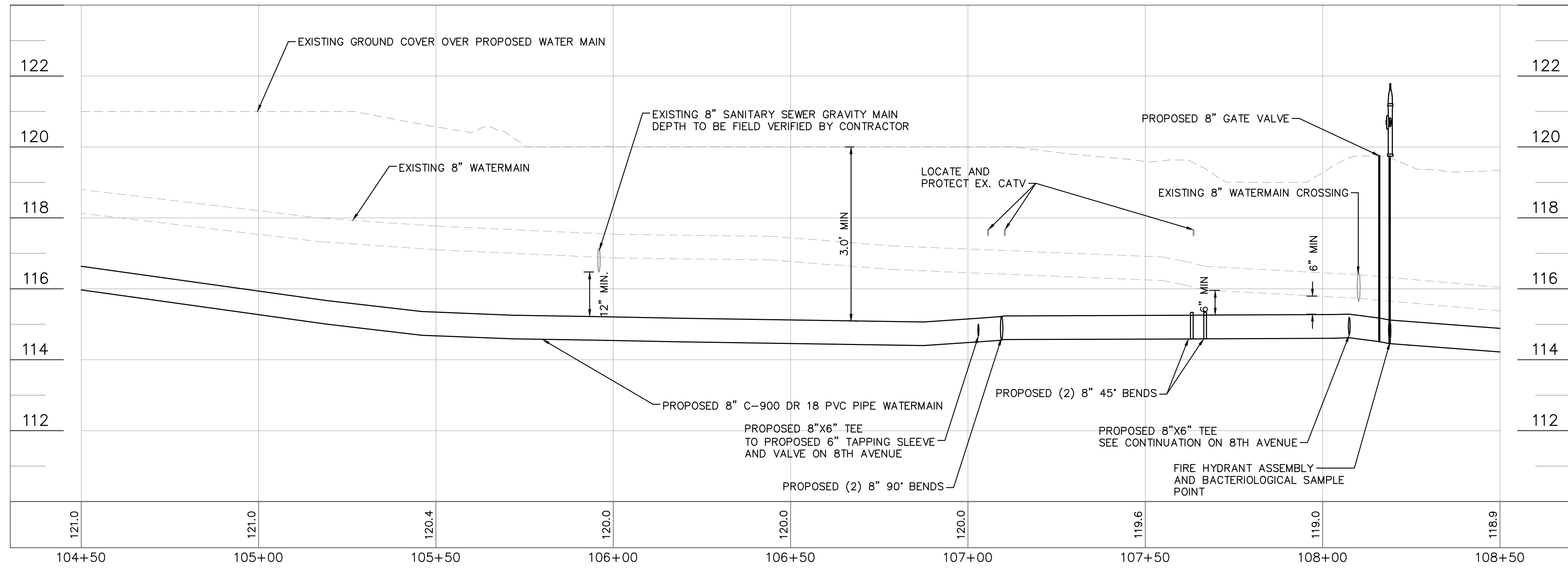
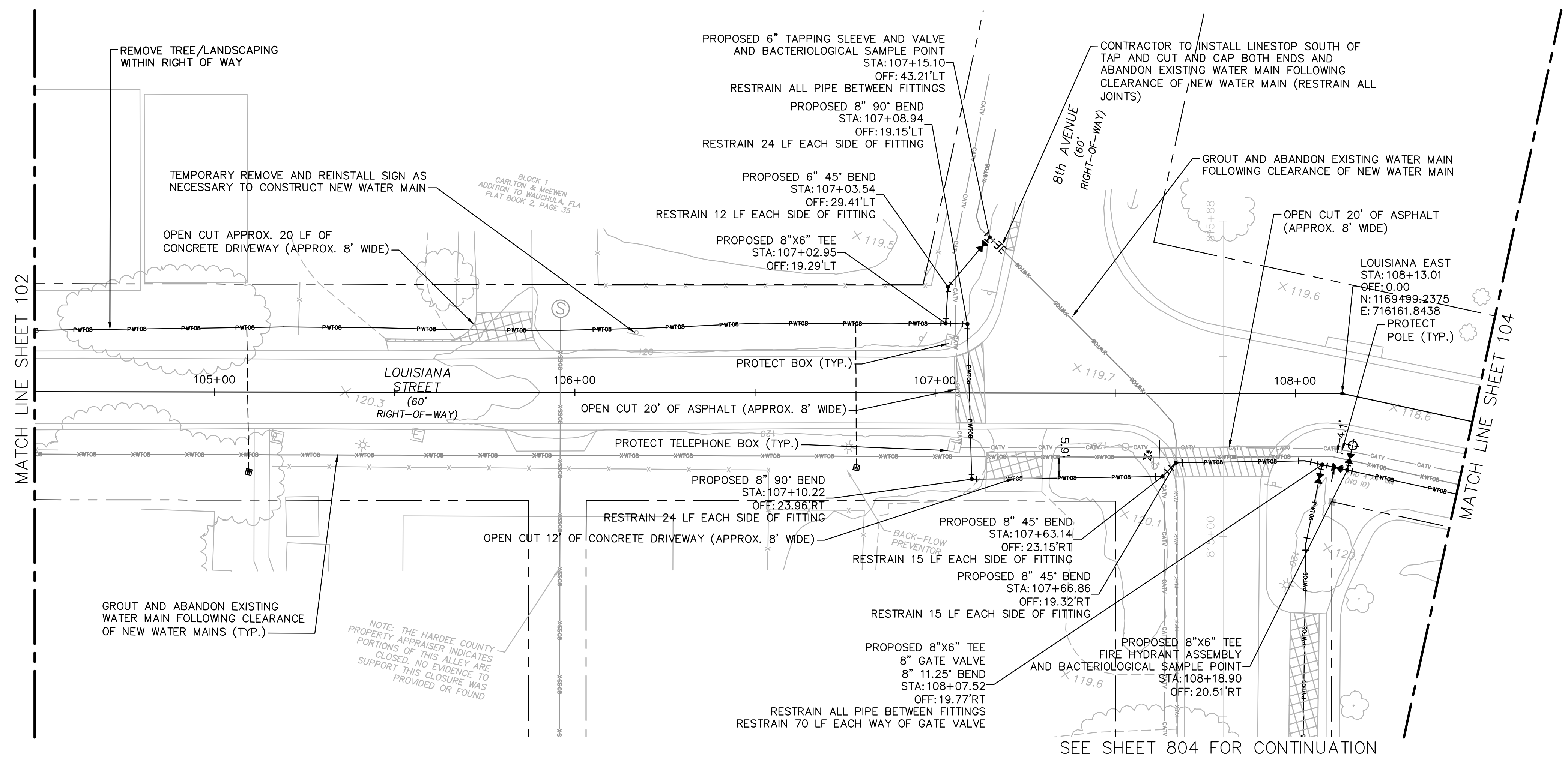


GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

**100% PLAN SET
 NOT FOR CONSTRUCTION**

<p>THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TONDREBULT, P.E. #8498. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.</p>			
<p>Kimley»Horn © 2023 KIMLEY-HORN AND ASSOCIATES, INC. 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602 PHONE: 813-620-1460 WWW.KIMLEY-HORN.COM</p>			
<p>SCALE: AS NOTED DESIGNED BY: JWW DRAWN BY: SNH CHECKED BY: JRT</p>			
<p>CITY OF WAUCHULA SERVICE AREA 3 WATERMAIN REHABILITATION HARDEE COUNTY FLORIDA</p>			
<p>LOUISIANA STREET 100+00 - 104+50</p>			
<p>DATE: MAY 2023 PROJECT NO: 046292031 SHEET NUMBER: 102</p>			
NO.	REVISIONS	DATE	BY

Drawing name: K:\AK_Civil\046292031 - Service Area 3 Phase 2 Revisions\CADD\CONSTR\100 - LOUISIANA.dwg 103 Jun 12, 2023 12:24pm by: KAulis, Wallace
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Release of and 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.



GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TONDEBULT, P.E. #34366. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602
 PHONE: 813-820-4460
 WWW.KIMLEY-HORN.COM

SCALE: AS NOTED
 DESIGNED BY: JWW
 DRAWN BY: SNH
 CHECKED BY: JRT

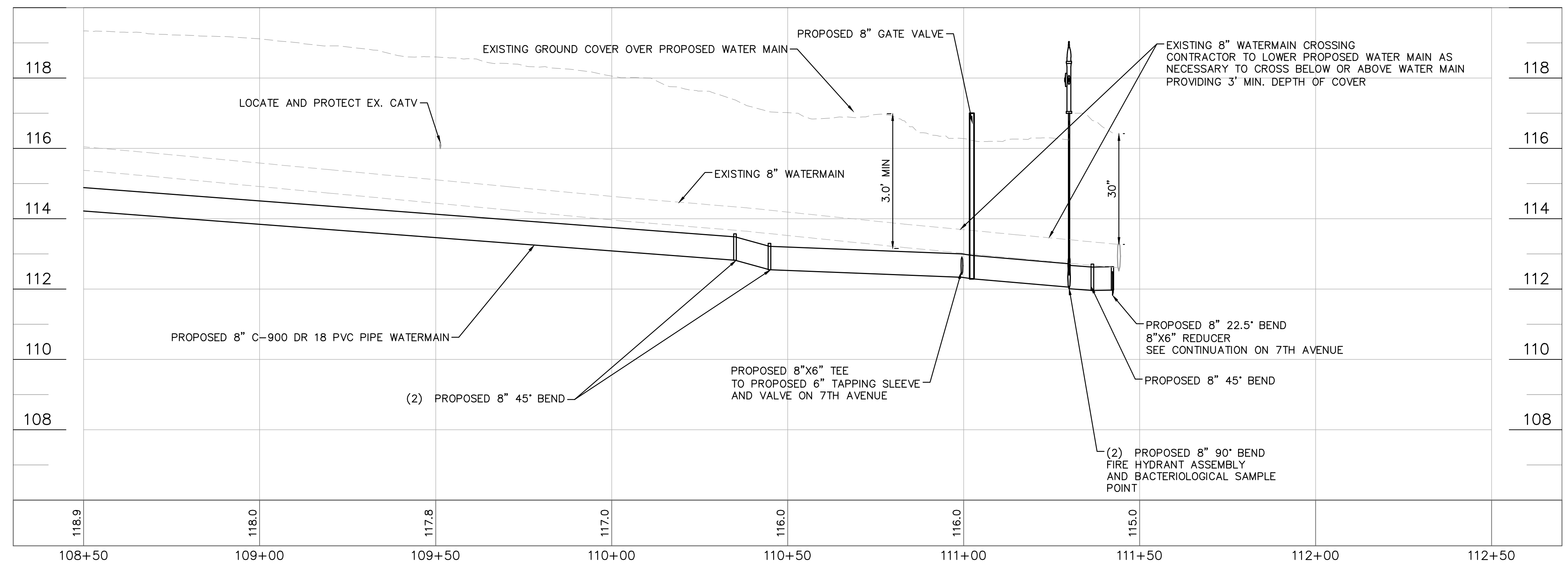
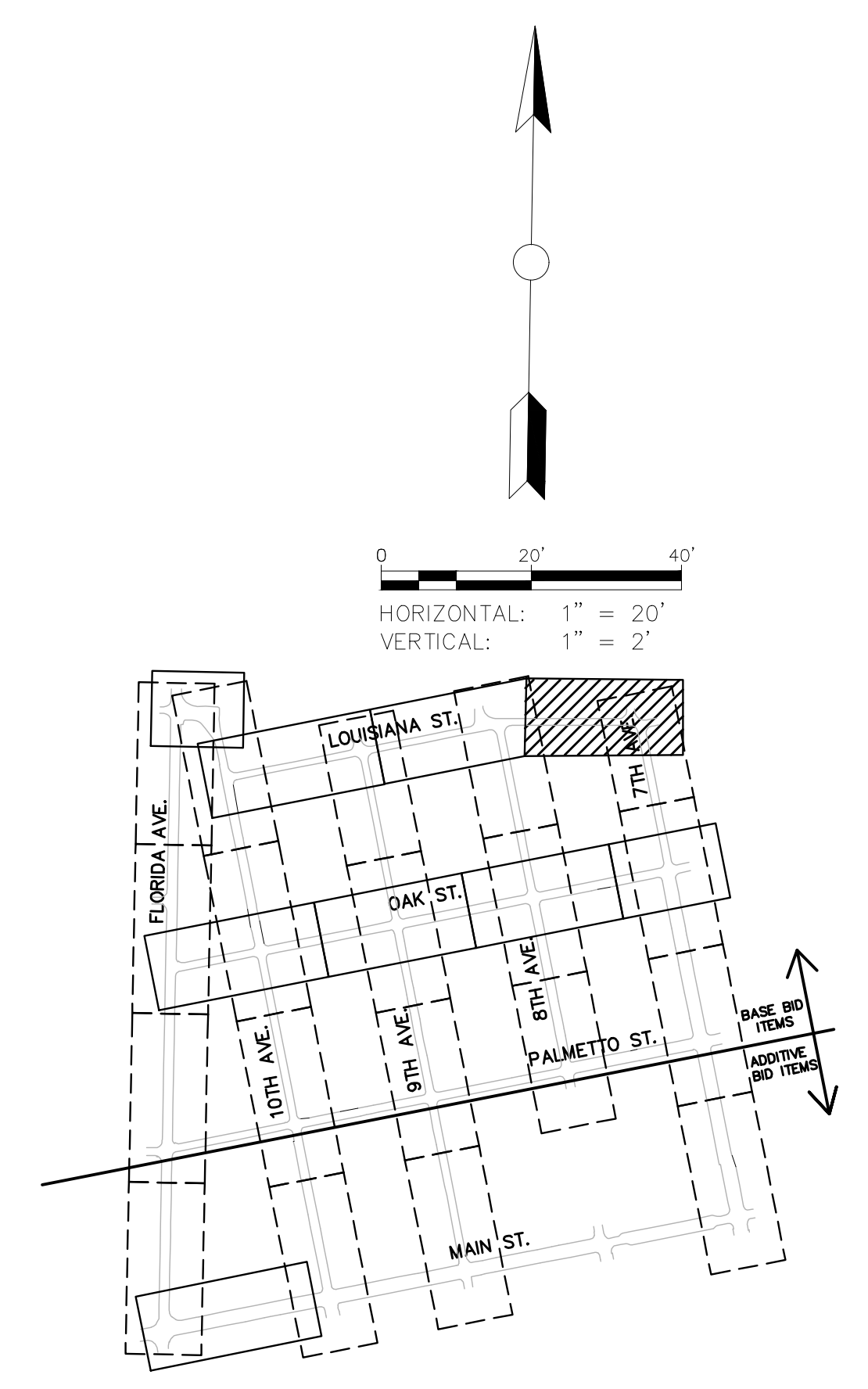
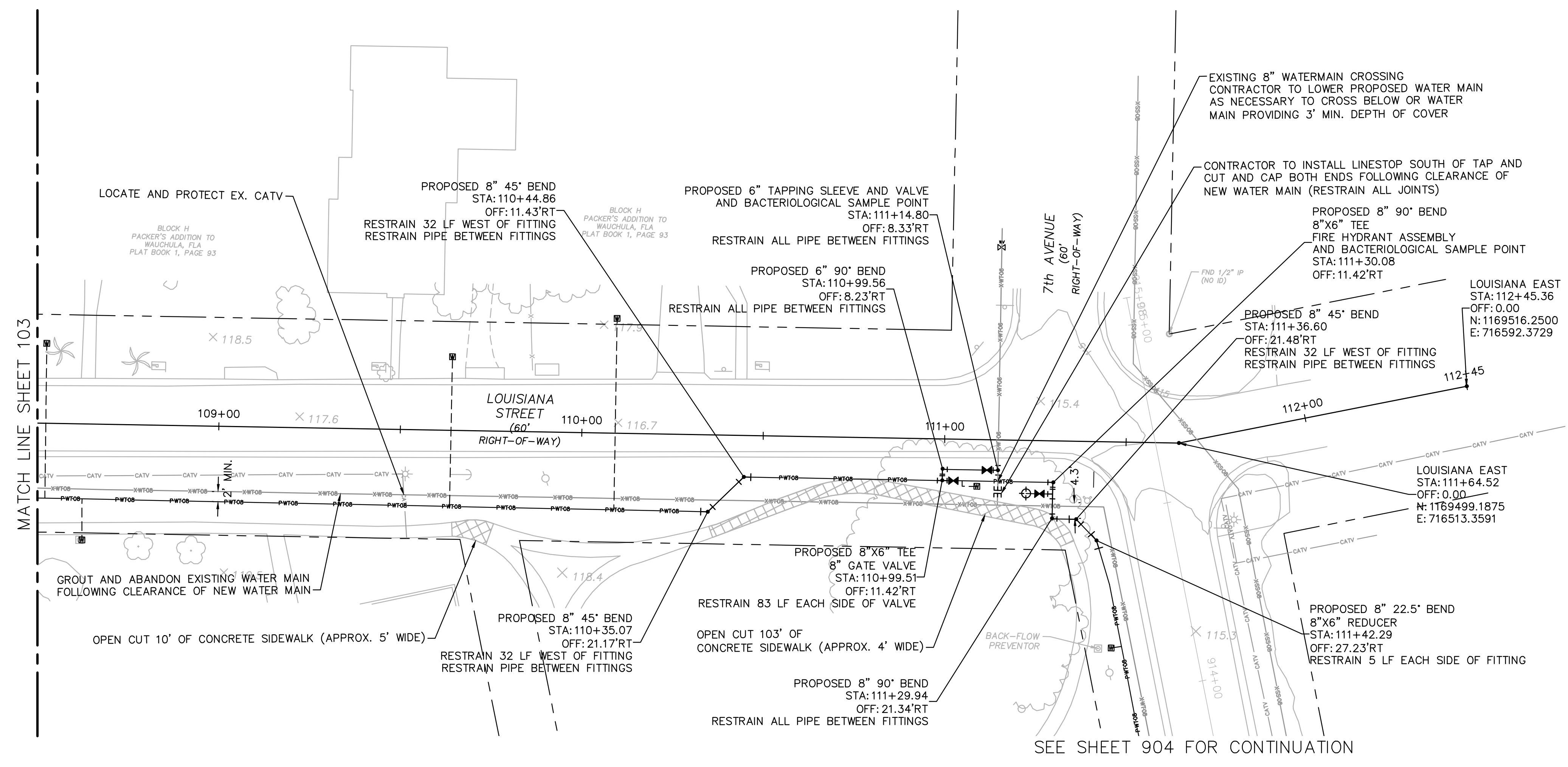
CITY OF WAUCHULA
 SERVICE AREA 3 WATERMAIN
 REHABILITATION
 HARDEE COUNTY
 FLORIDA

LOUISIANA STREET
 104+50 - 108+50

DATE: MAY 2023
 PROJECT NO.: 046292031
 SHEET NUMBER: 103

No.	REVISIONS	DATE	BY

Drawing name: K:\LAK_Civil\046292031 - Service Area 3 Phase 2 Revisions\CADD\CONSTR\100 - LOUISIANA.dwg 104 Jun 12, 2023 12:25pm by: K.A.J. Wallace
 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 or 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.



**100% PLAN SET
NOT FOR CONSTRUCTION**

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TONDREBULT, P.E. #84396. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Kimley-Horn
 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602
 PHONE: 813-620-1460
 WWW.KIMLEY-HORN.COM

SCALE: AS NOTED
 DESIGNED BY: JWW
 DRAWN BY: SNH
 CHECKED BY: JRT

CITY OF WAUCHULA
 SERVICE AREA 3 WATERMAIN
 REHABILITATION
 HARDEE COUNTY
 FLORIDA

LOUISIANA STREET
 108+50 - 112+45

DATE: MAY 2023
 PROJECT NO: 046292031
 SHEET NUMBER: 104

REVISIONS: No. DATE BY

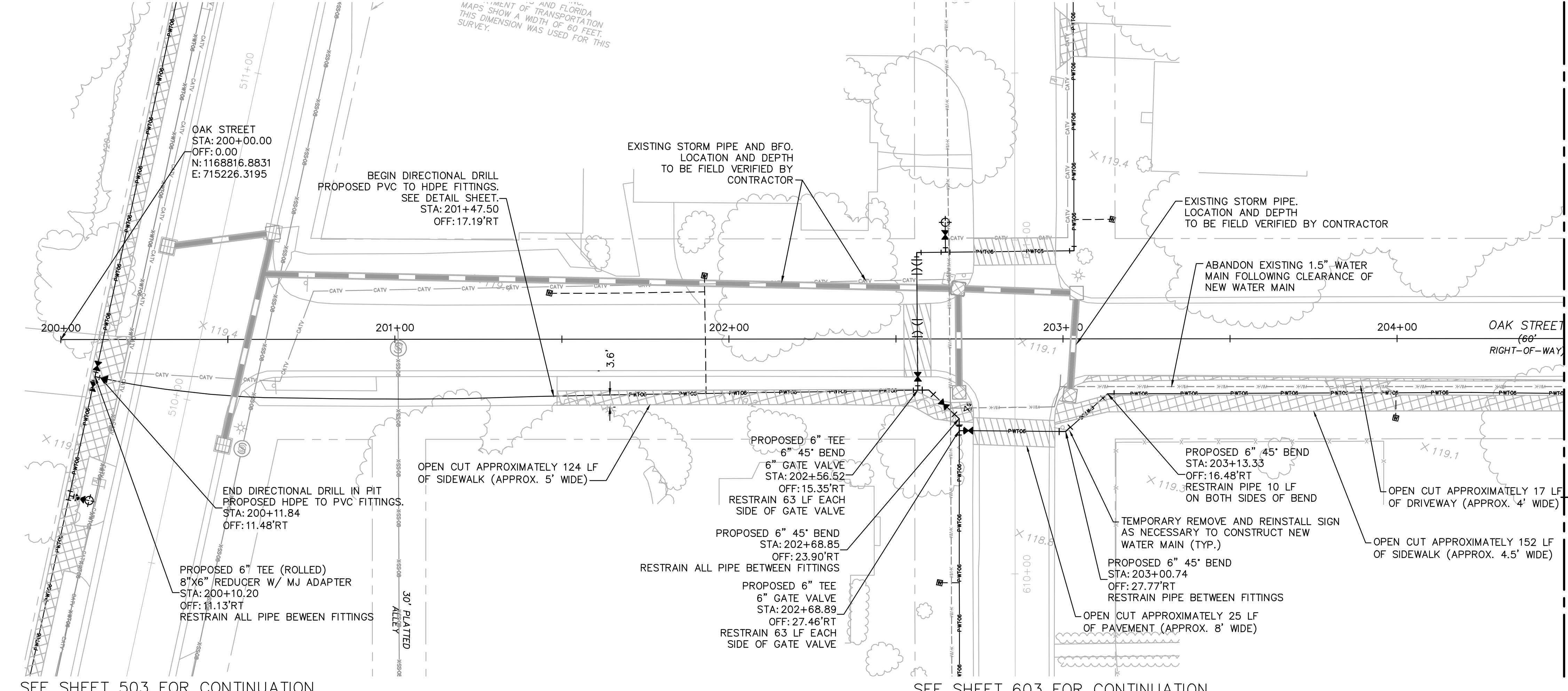


GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

Drawing name: K:\LAK_Civil\046292031 - Service Area 3 Phase 2 Revisions\CADD\CONSTR\200 - OAK.dwg 201 Jun 12, 2023 12:26pm by: KAUSA, Wallace
 This document, together with the concepts and designs presented herein, is an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of any part of this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

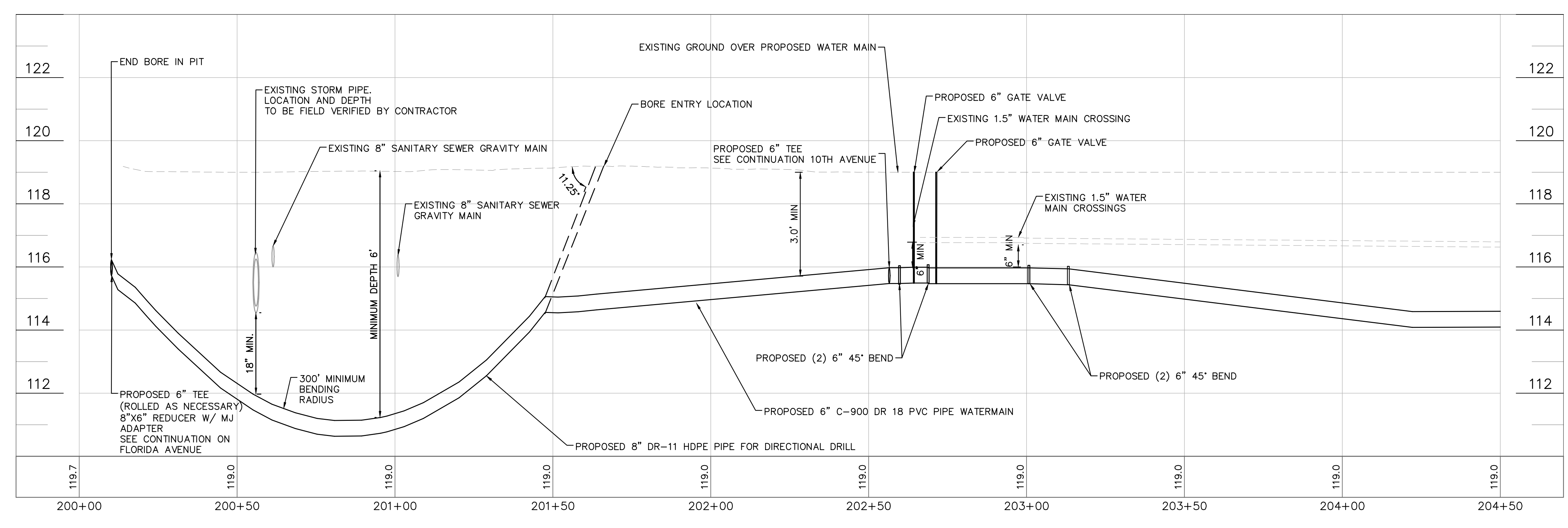
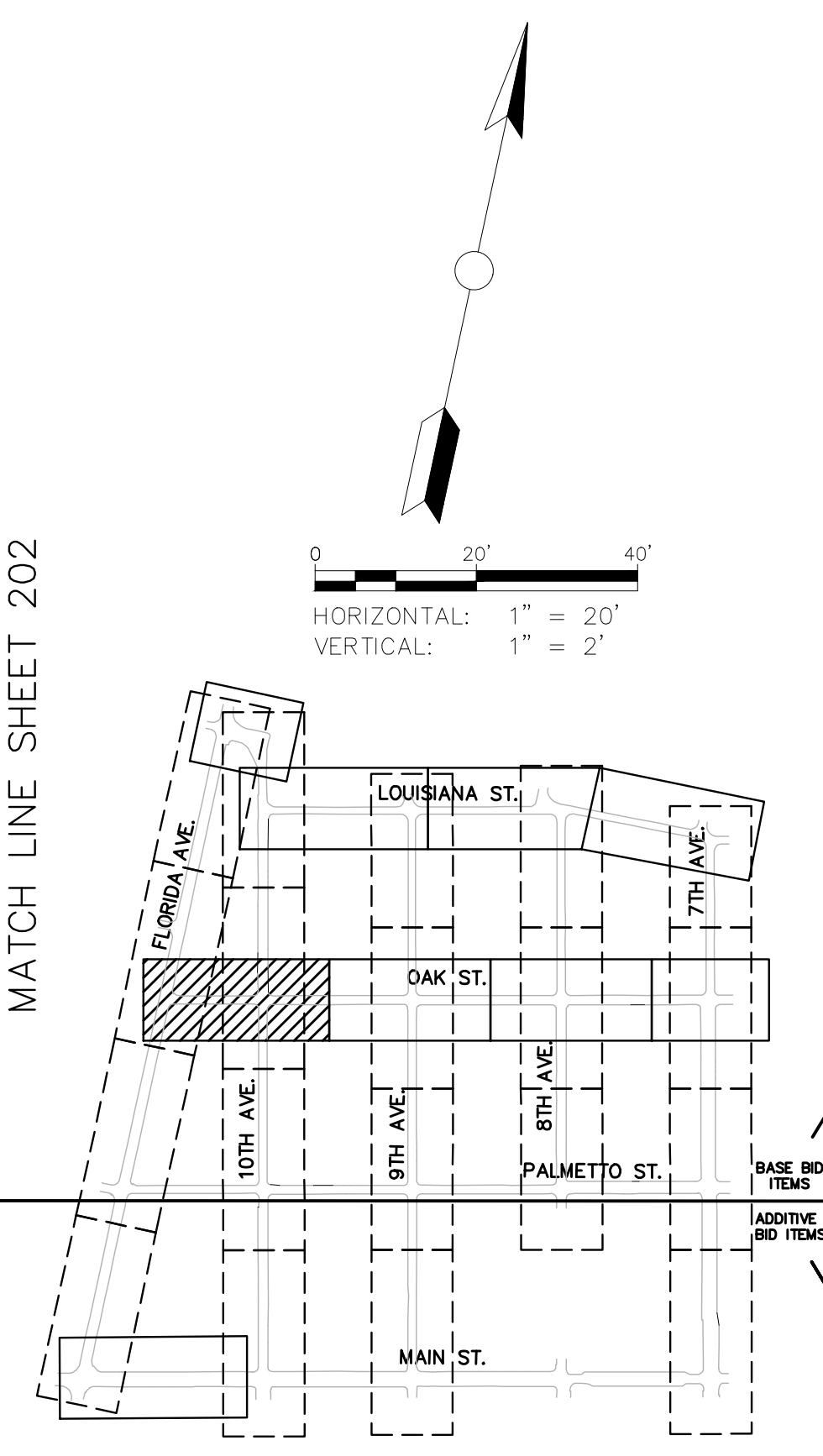
SEE SHEET 503 FOR CONTINUATION

SEE SHEET 603 FOR CONTINUATION



SEE SHEET 503 FOR CONTINUATION

SEE SHEET 603 FOR CONTINUATION



**100% PLAN SET
NOT FOR CONSTRUCTION**

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TONREBULT, P.E. #3496. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Kimley»Horn
 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602
 PHONE: 813-620-1460
 WWW.KIMLEY-HORN.COM

SCALE: AS NOTED
 DESIGNED BY: JWW
 DRAWN BY: SNH
 CHECKED BY: JRT

CITY OF WAUCHULA
 SERVICE AREA 3 WATERMAIN
 REHABILITATION
 HARDEE COUNTY
 FLORIDA

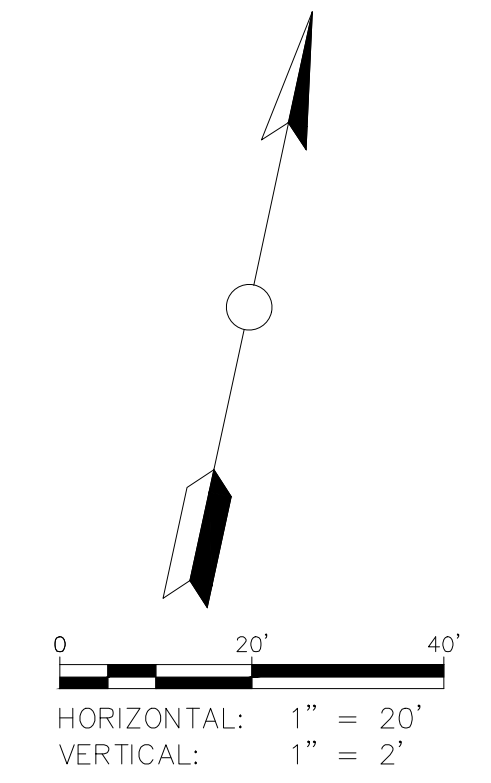
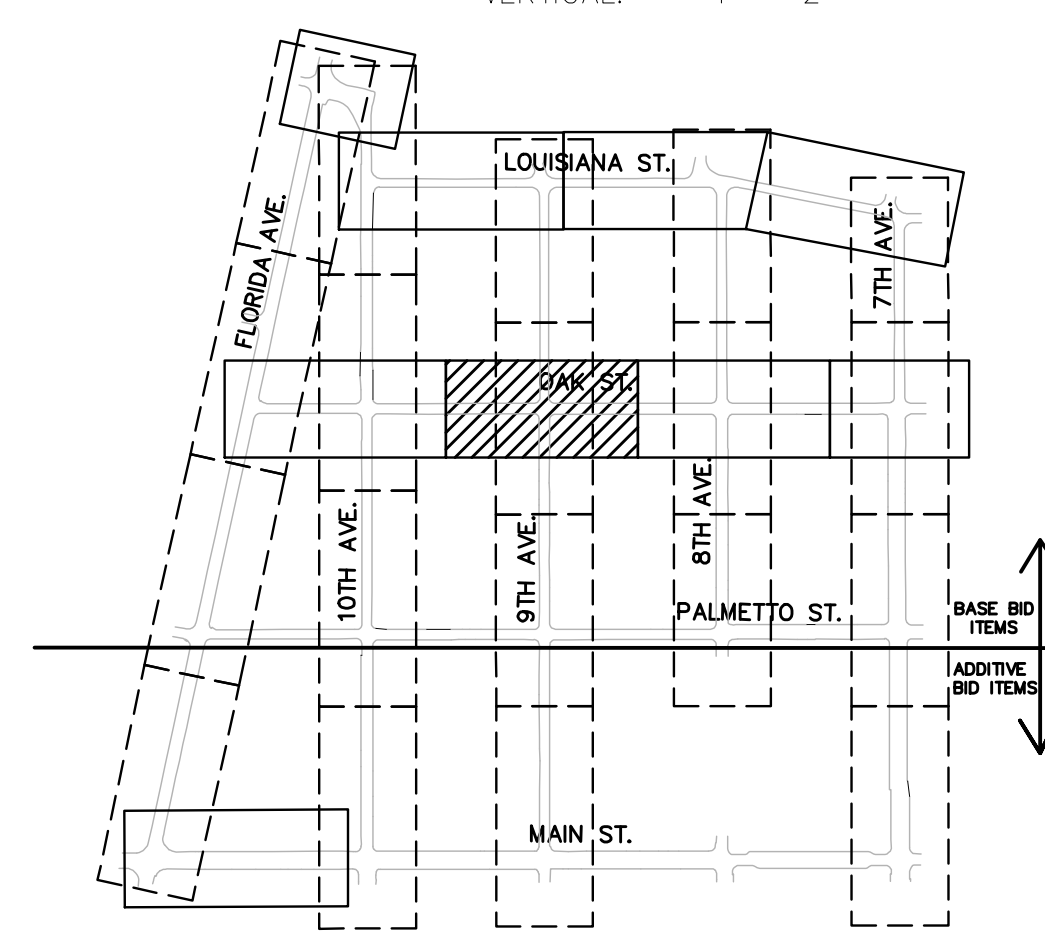
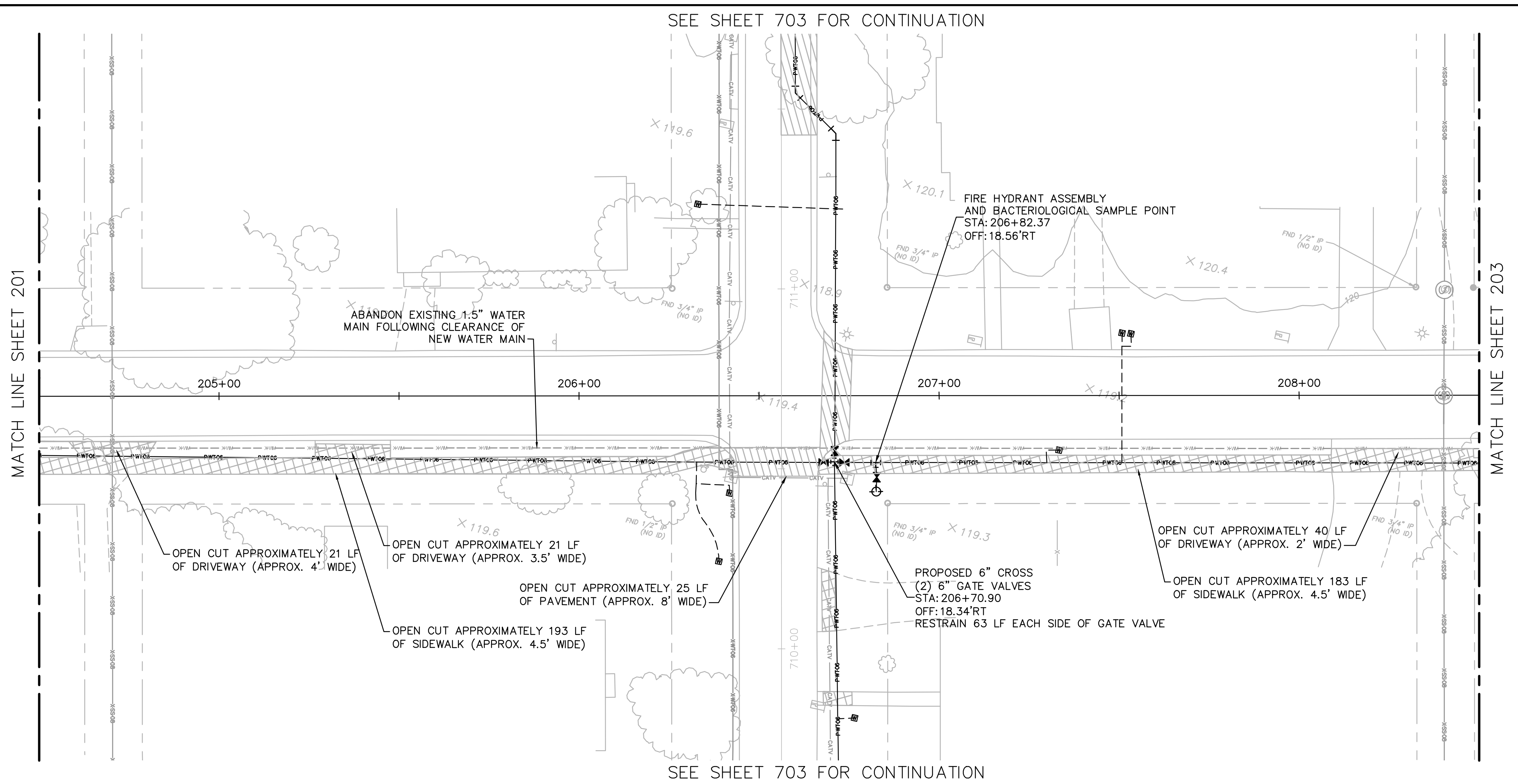
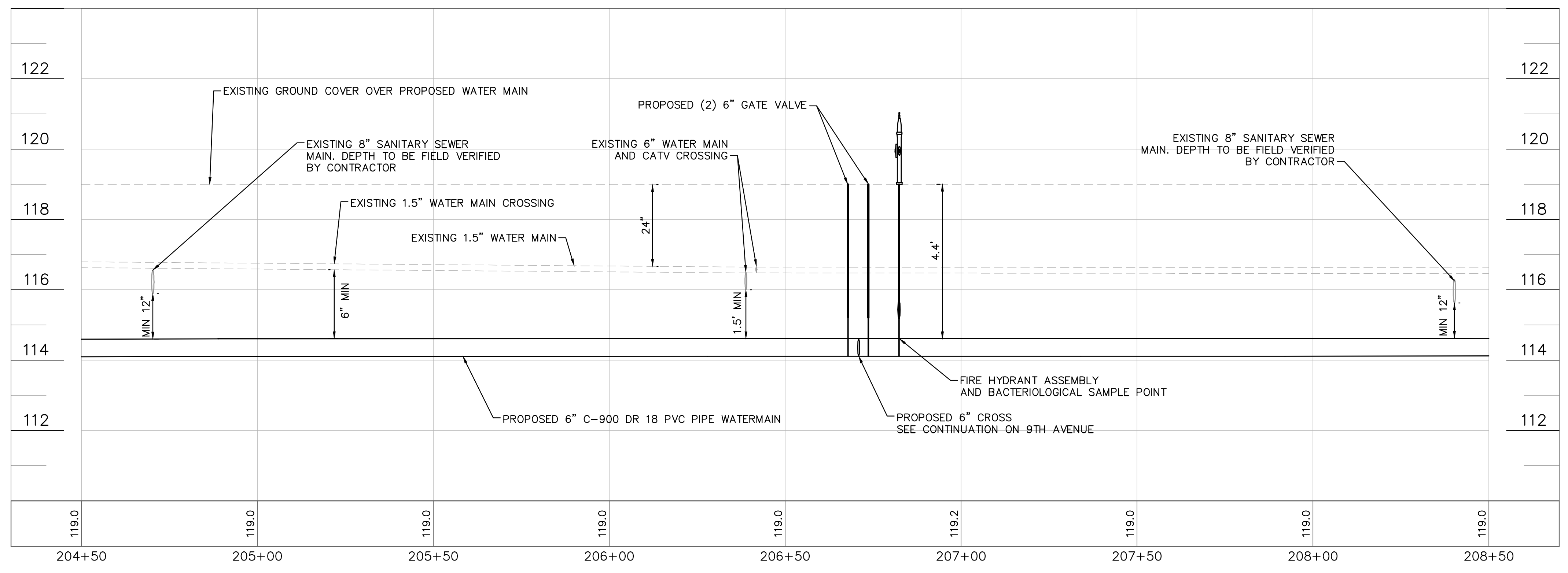
DATE: MAY 2023
 PROJECT NO: 046292031
 SHEET NUMBER: 201

REVISIONS: No. DATE BY

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
 It's fast, it's free, it's the law. www.call811.com

GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

Drawing name: K:\AK_Civil\046292031 - Service Area 3 Phase 2 Revisions\CADD\CONSTR\200 - OAK.dwg by: K.Aujo-Wallice
 This document, together with the concepts and designs presented herein, is an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and 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.



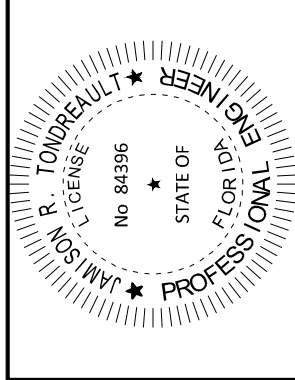
**100% PLAN SET
NOT FOR CONSTRUCTION**



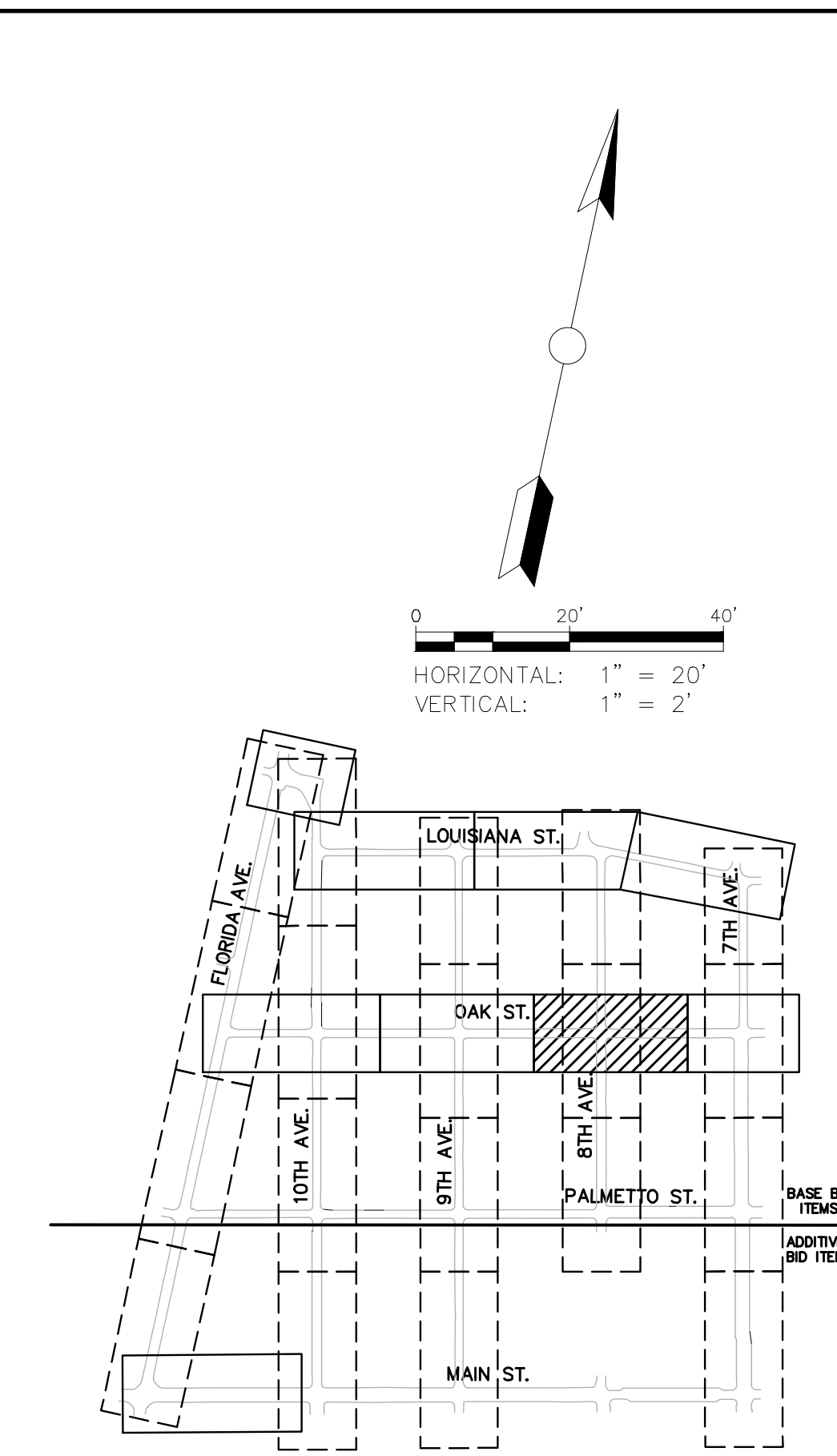
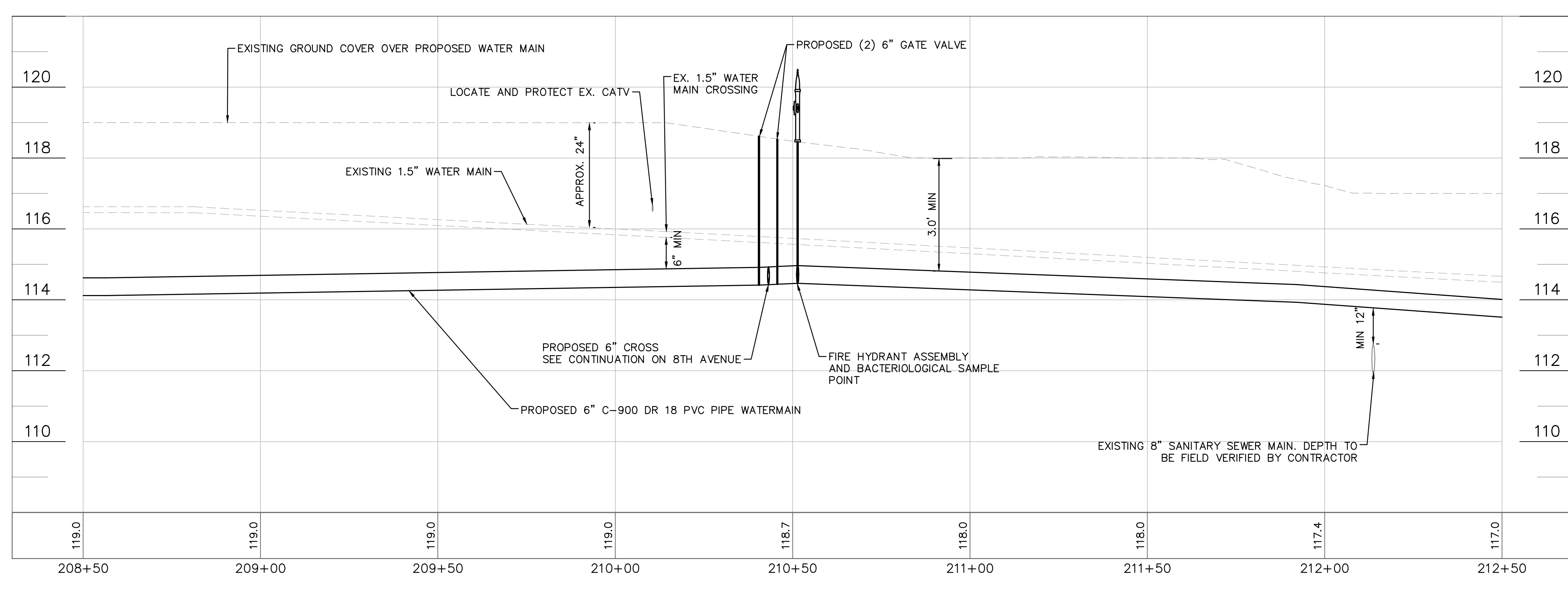
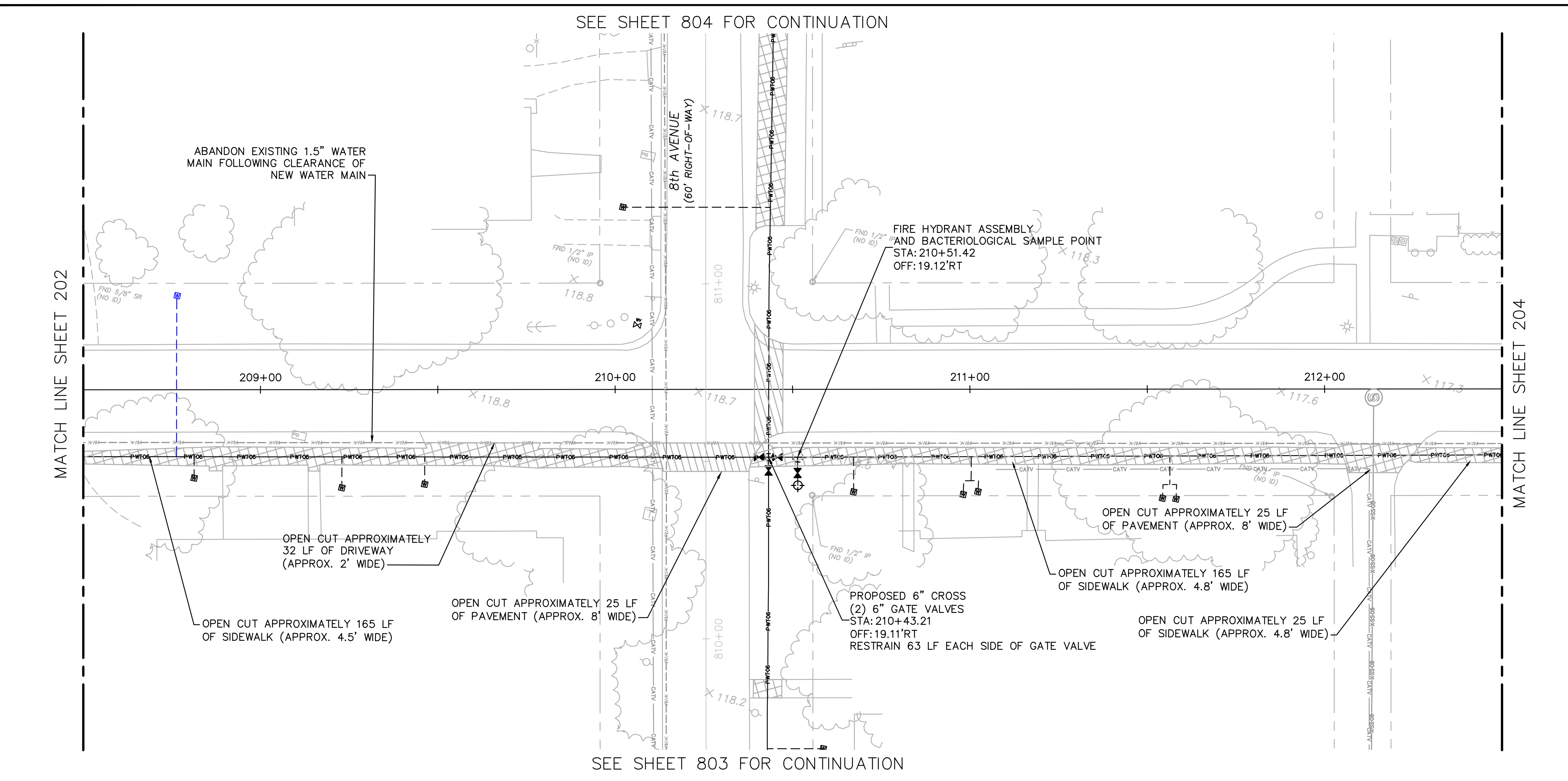
GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

<p>THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TONDREBULT, P.E. #8496. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.</p>	
<p>SCALE: AS NOTED</p>	<p>DESIGNED BY: JWW</p>
<p>DRAWN BY: SNH</p>	<p>CHECKED BY: JRT</p>
<p>CITY OF WAUCHULA SERVICE AREA 3 WATERMAIN REHABILITATION</p>	
<p>OAK STREET 204+50 - 208+50</p>	
<p>FLORIDA</p>	
<p>HARDEE COUNTY</p>	
<p>DATE: MAY 2023</p>	
<p>PROJECT NO. 046292031</p>	
<p>SHEET NUMBER</p>	
<p>202</p>	
<p>REVISIONS</p>	<p>DATE</p>
<p>No.</p>	<p>BY</p>

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602
 PHONE: 813-820-1460
 WWW.KIMLEY-HORN.COM



Drawing name: K:\AK_Civil\046292031 - Service Area 3 Phase 2 Revisions\CADD\CONSTR\200 - OAK.dwg Date: Jun 12, 2023 12:27pm by: K.Aujo-Wallice
 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 and 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.



**100% PLAN SET
NOT FOR CONSTRUCTION**

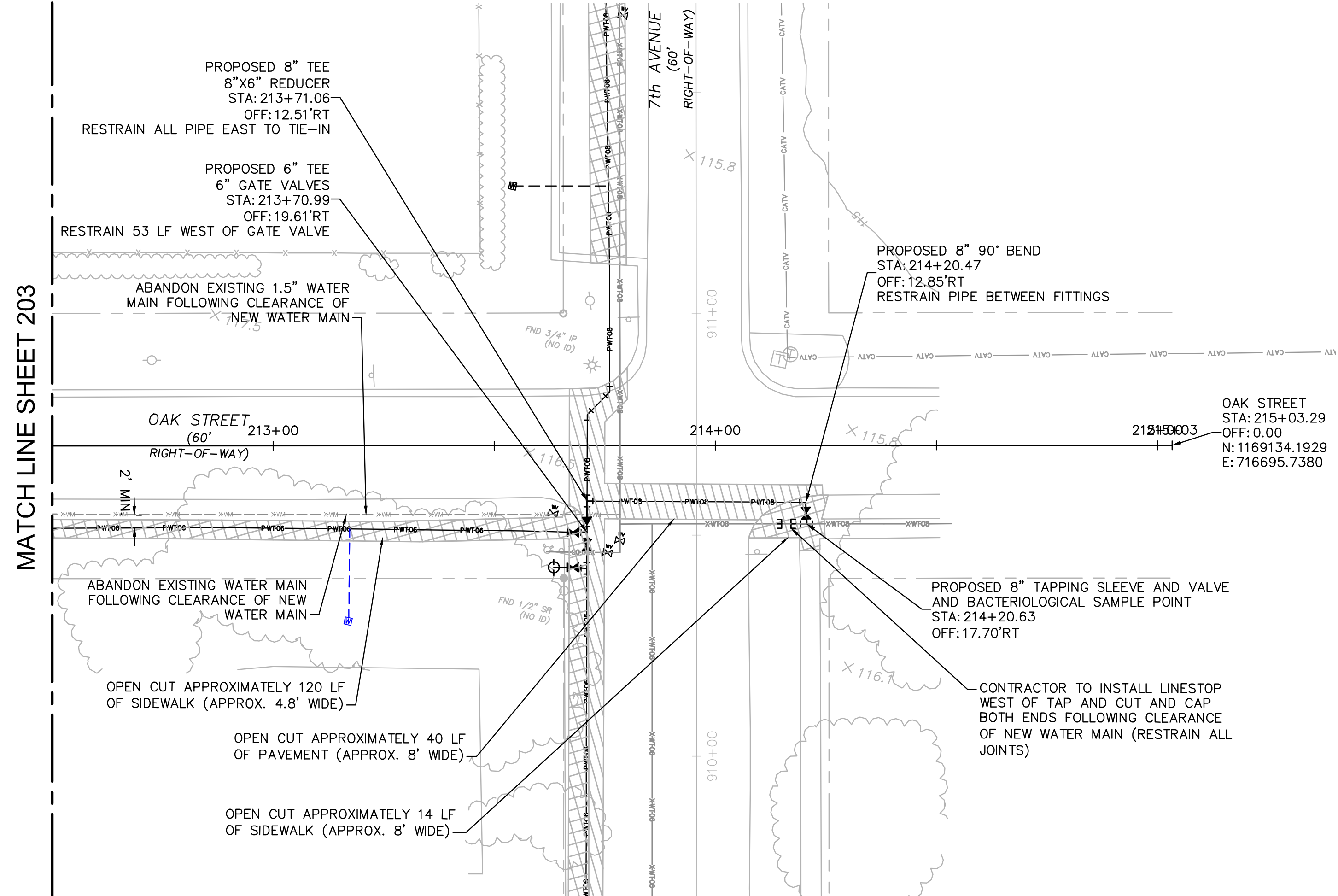


GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

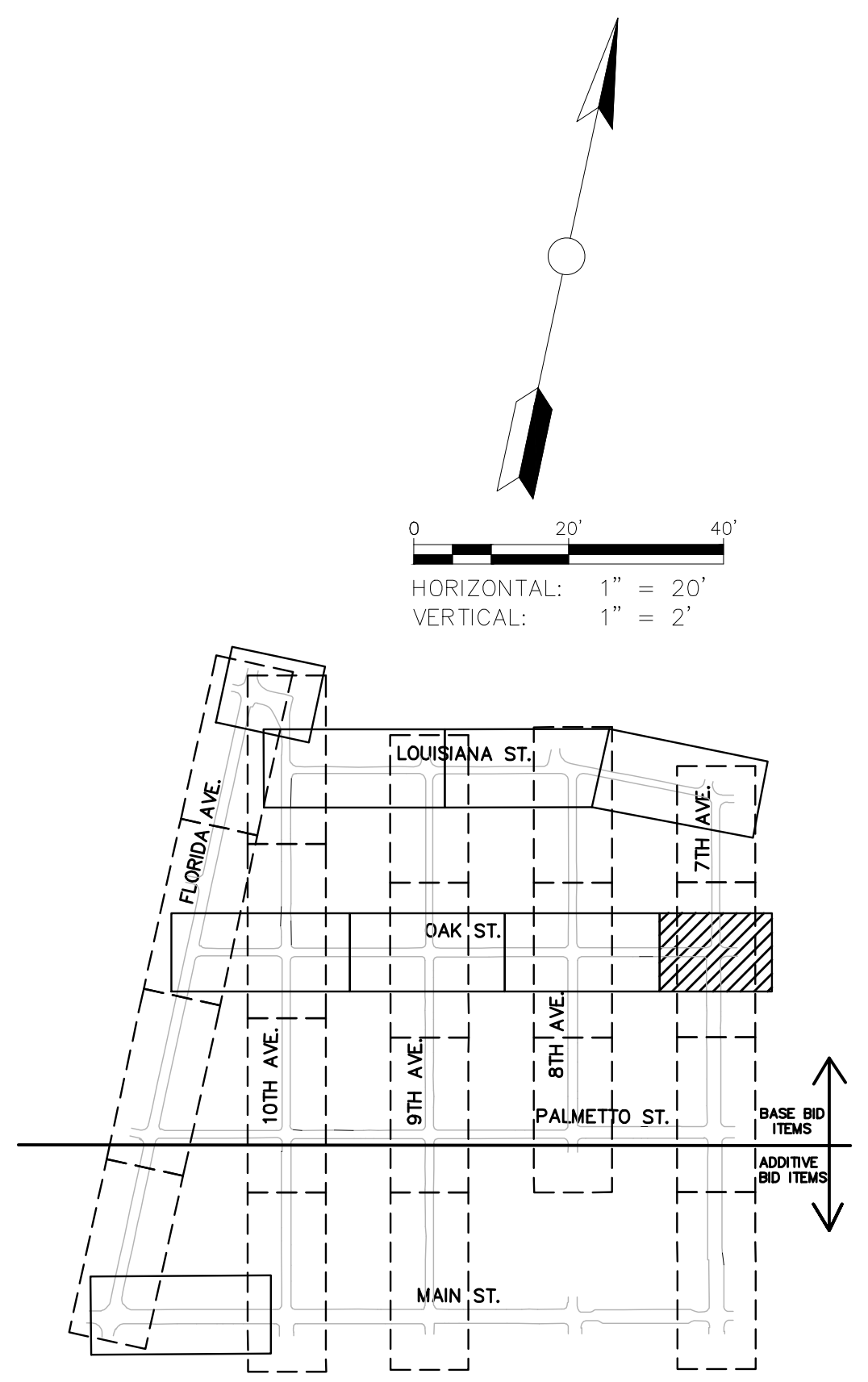
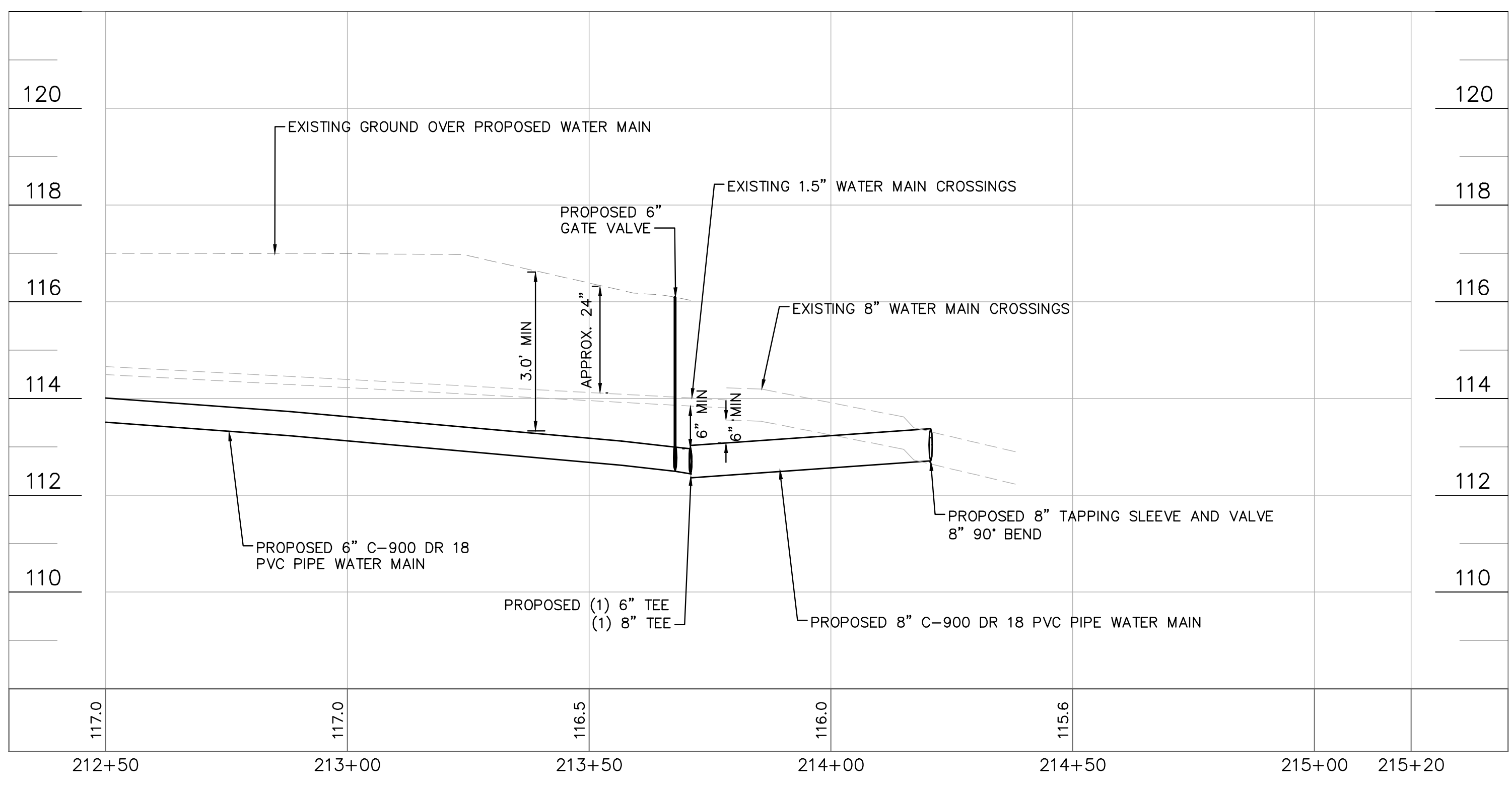
© 2023 KIMLEY-HORN AND ASSOCIATES, INC. 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602 PHONE: 813-820-4460 WWW.KIMLEY-HORN.COM	
SCALE AS NOTED DESIGNED BY JWW DRAWN BY SNH CHECKED BY JRT	THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TONJREULT, P.E. #84396. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.
CITY OF WAUCHULA SERVICE AREA 3 WATERMAIN REHABILITATION HARDEE COUNTY FLORIDA	
OAK STREET 208+50 - 212+50	
DATE MAY 2023	REVISIONS No. DATE BY
PROJECT NO. 046292031	
SHEET NUMBER 203	

Drawing name: K:\AK_Civil\046292031 - Service Area 3 Phase 2 Revisions\CADD\CONSTR\200 - OAK.dwg 204 Jun 12, 2023 12:27pm by: K.Aujo-Wallice
 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 and 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.

SEE SHEET 903 FOR CONTINUATION



SEE SHEET 903 FOR CONTINUATION



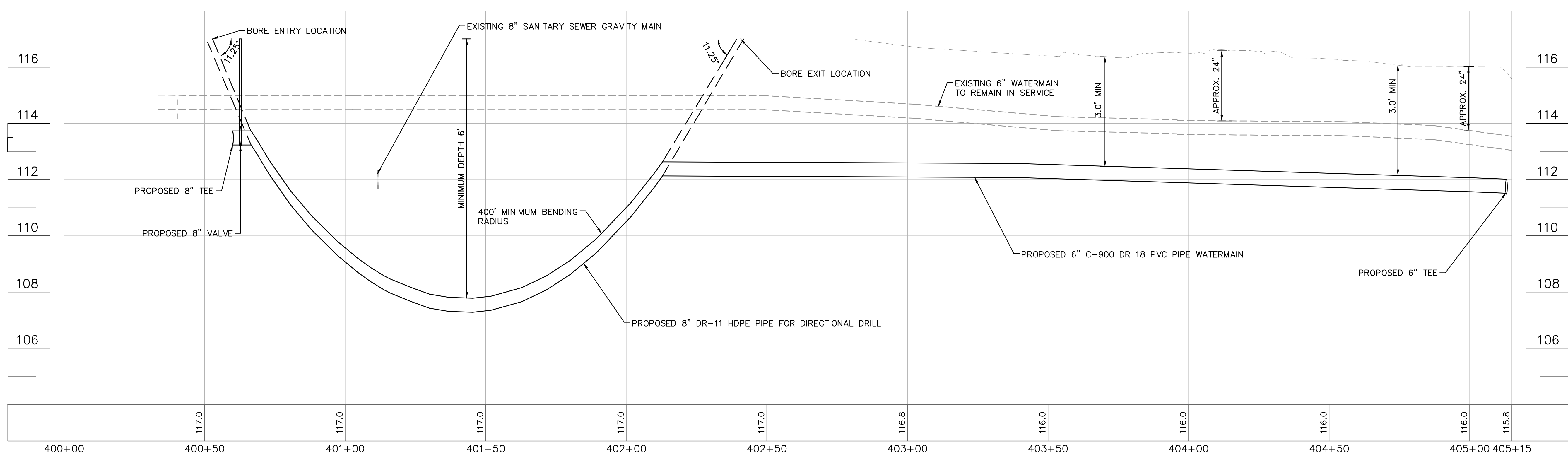
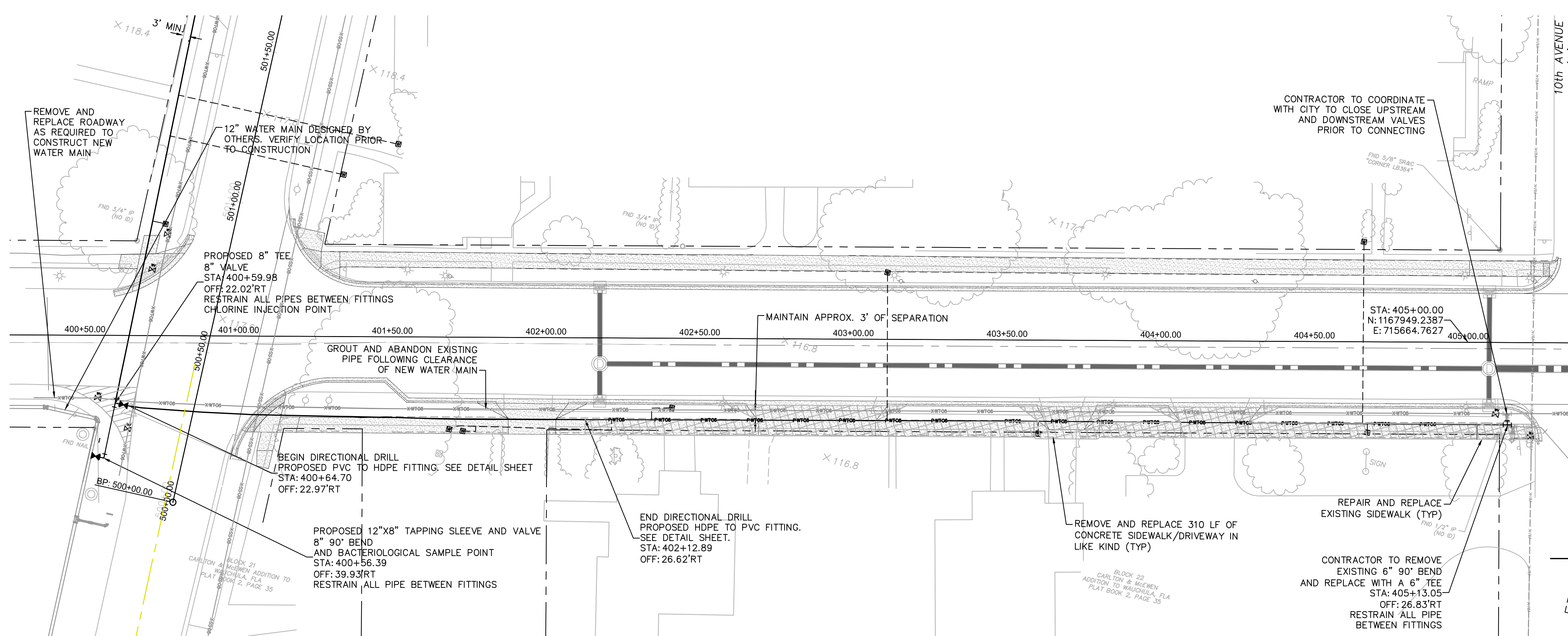
**100% PLAN SET
NOT FOR CONSTRUCTION**

© 2023 KIMLEY-HORN AND ASSOCIATES, INC. 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602 PHONE: 813-620-1460 WWW.KIMLEY-HORN.COM	
SCALE: AS NOTED DESIGNED BY: JWW DRAWN BY: SNH CHECKED BY: JRT	THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TOMPSETT, P.E. #84396. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.
CITY OF WAUCHULA SERVICE AREA 3 WATERMAIN REHABILITATION	OAK STREET 212+50 - 215+03
HARDEE COUNTY FLORIDA	DATE: MAY 2023 PROJECT NO.: 046292031 SHEET NUMBER: 204
REVISIONS	DATE BY



GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

Drawing name: K:\LAK_Civil\046292031 - Service Area 3 Phase 2 Revisions\CADD\CONSTR\400 - MAIN.dwg 401 Jun 12, 2023 12:28pm by: KAUJ, Wallace
 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 and 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.



**100% PLAN SET
 NOT FOR CONSTRUCTION**

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TONREBULT, P.E. #84396. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602
 PHONE: 813-620-1460
 WWW.KIMLEY-HORN.COM

SCALE: AS NOTED
 DESIGNED BY: JWW
 DRAWN BY: SNH
 CHECKED BY: JRT

**CITY OF WAUCHULA
 SERVICE AREA 3 WATERMAIN
 REHABILITATION**
 FLORIDA
 HARDEE COUNTY

**MAIN STREET
 400+00 - 405+50
 (BID ADDITIVE)**

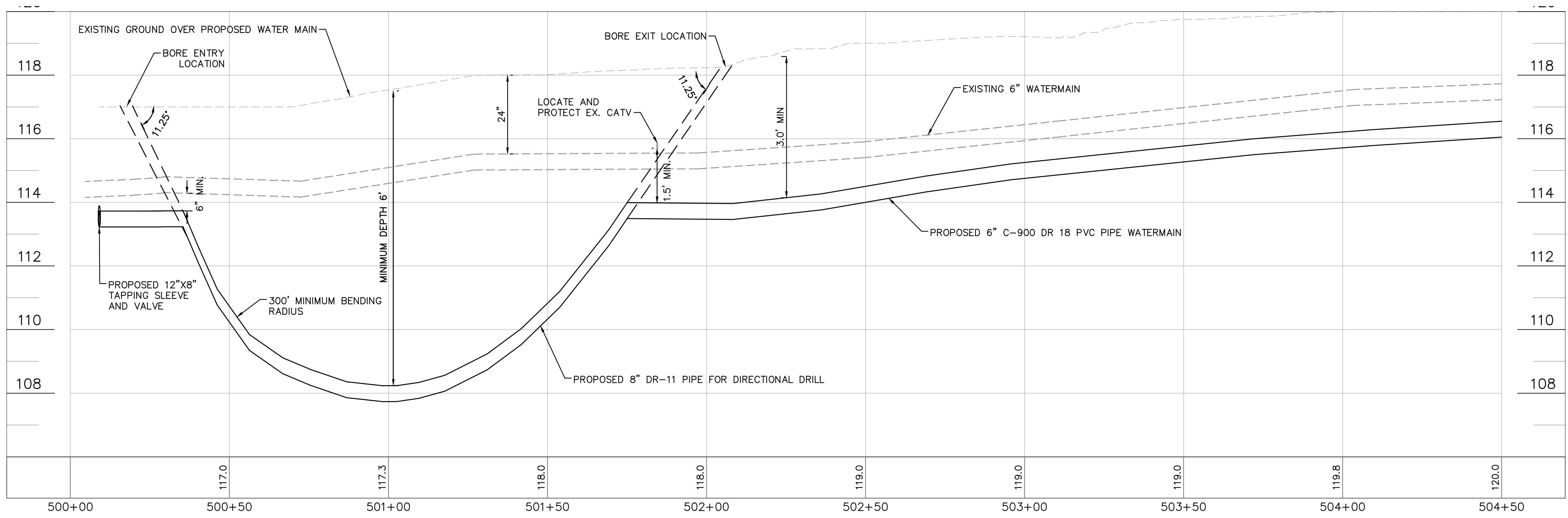
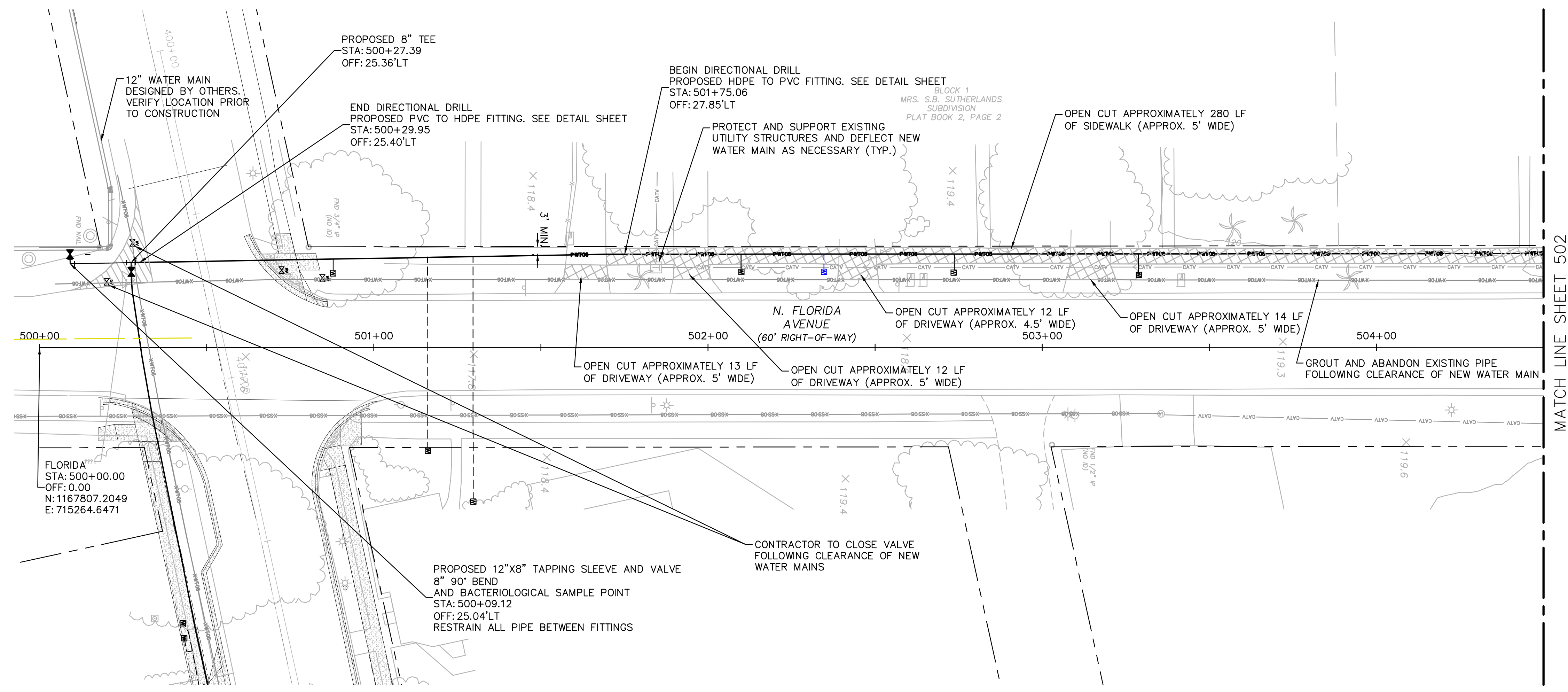
DATE: MAY 2023
 PROJECT NO: 046292031
 SHEET NUMBER: **401**

REVISIONS: _____
 DATE: _____
 BY: _____



GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

Drawing name: K:\AK_Civil\046292031 - Service Area 3 Phase 2 Revisions\CADD\CONSTR\500 - FLORIDA.dwg 501 Jun 12, 2023 12:29pm by: KAUJA, Wallace
 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 or 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.



**100% PLAN SET
NOT FOR CONSTRUCTION**



GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TONREBULT, P.E. #8498. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602
 PHONE: 813-620-4460
 WWW.KIMLEY-HORN.COM

SCALE: AS NOTED
 DESIGNED BY: JWW
 DRAWN BY: SNH
 CHECKED BY: JRT

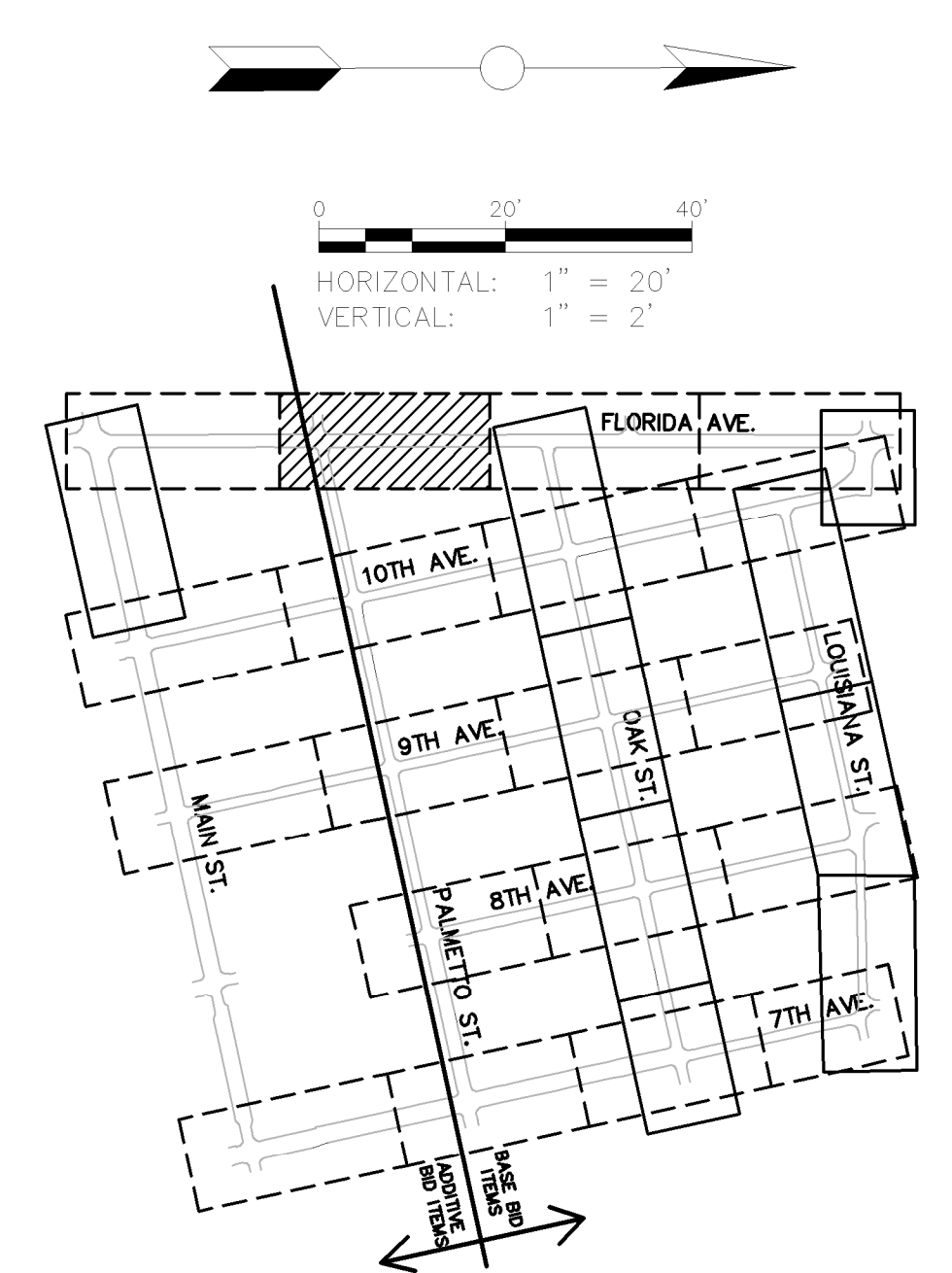
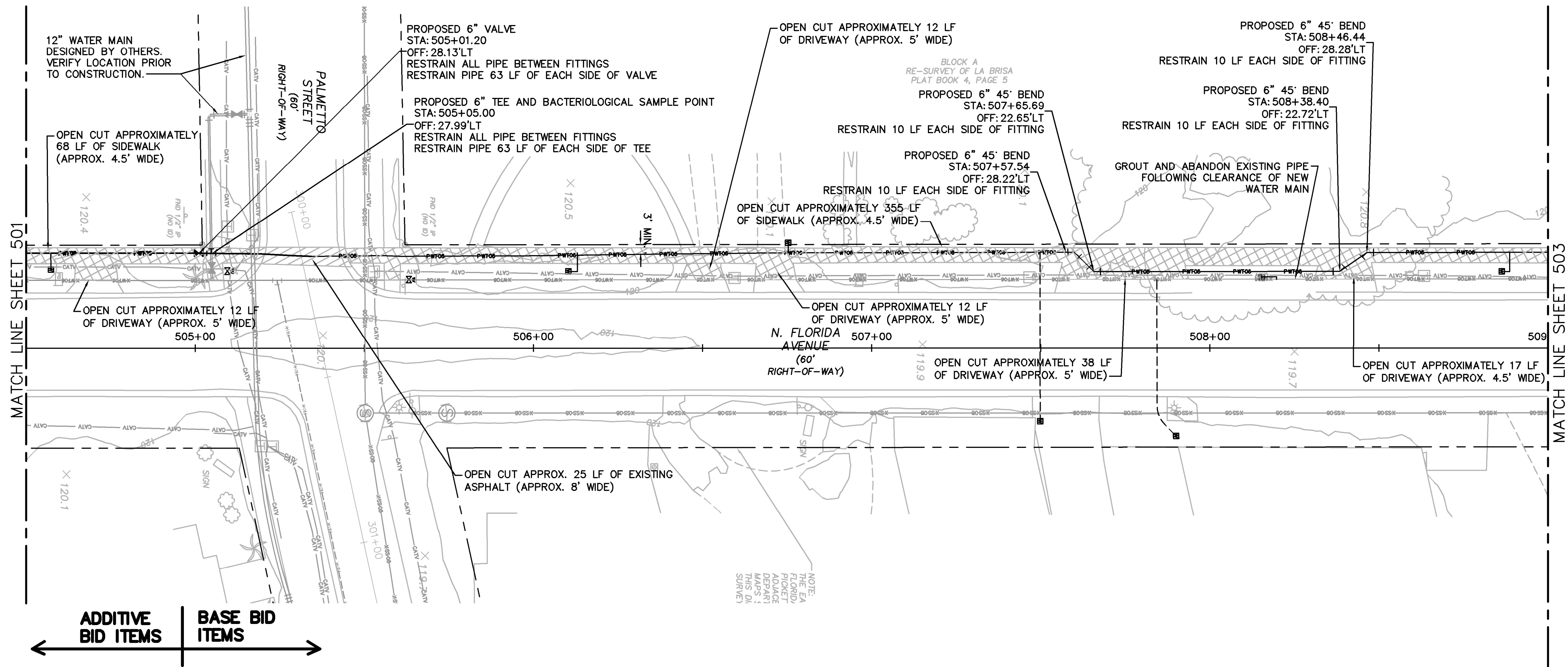
**FLORIDA AVENUE
500+00 - 504+50
(BID ADDITIVE)**

CITY OF WAUCHULA
 SERVICE AREA 3 WATERMAIN
 REHABILITATION
 HARDEE COUNTY FLORIDA

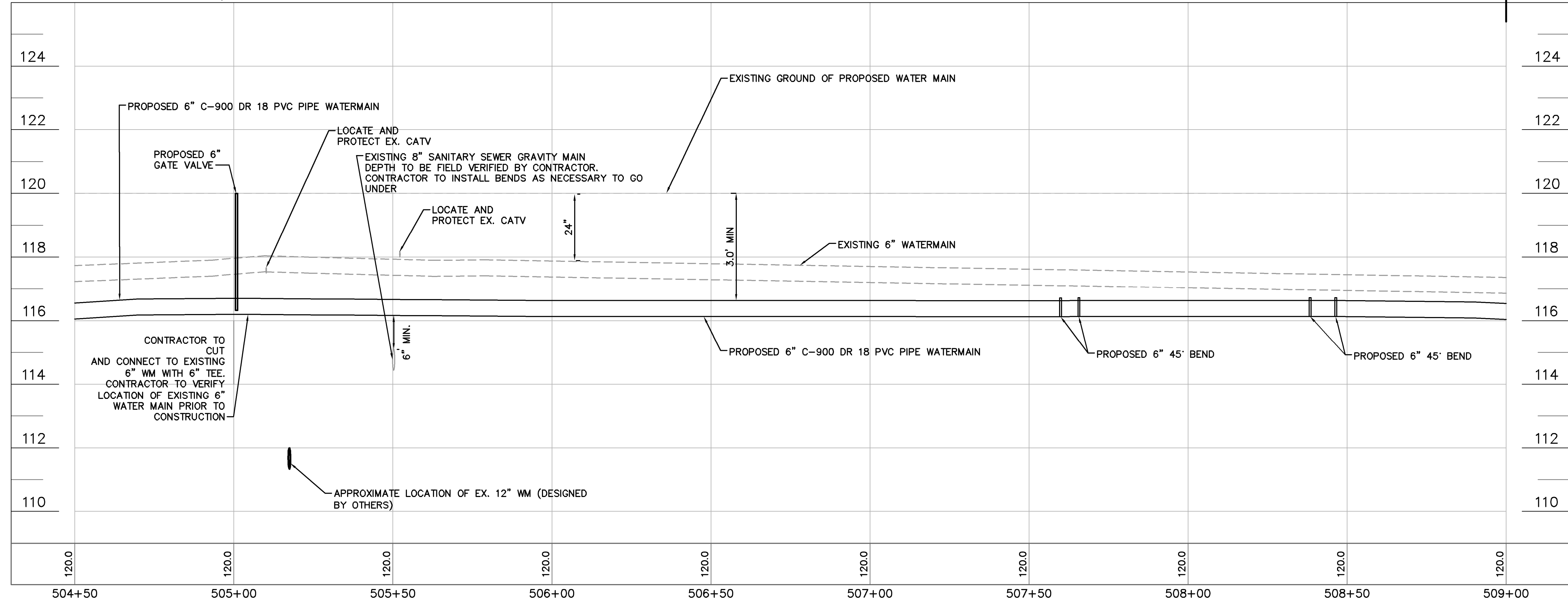
DATE: MAY 2023
 PROJECT NO: 046292031
 SHEET NUMBER: **501**

NO.	REVISIONS	DATE	BY

Drawing name: K:\AK_Civil\046292031 - Service Area 3 Phase 2 Revisions\ACADD\CONSTR\500 - FLORIDA.dwg 502 Jul 21, 2023 7:45am by: Jamison.Tondreault
 This document, together with the concepts and designs presented herein, is an instrument of service, is intended only for the specific purpose and client for which it was prepared. Release of and 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.



ADDITIVE BID ITEMS BASE BID ITEMS



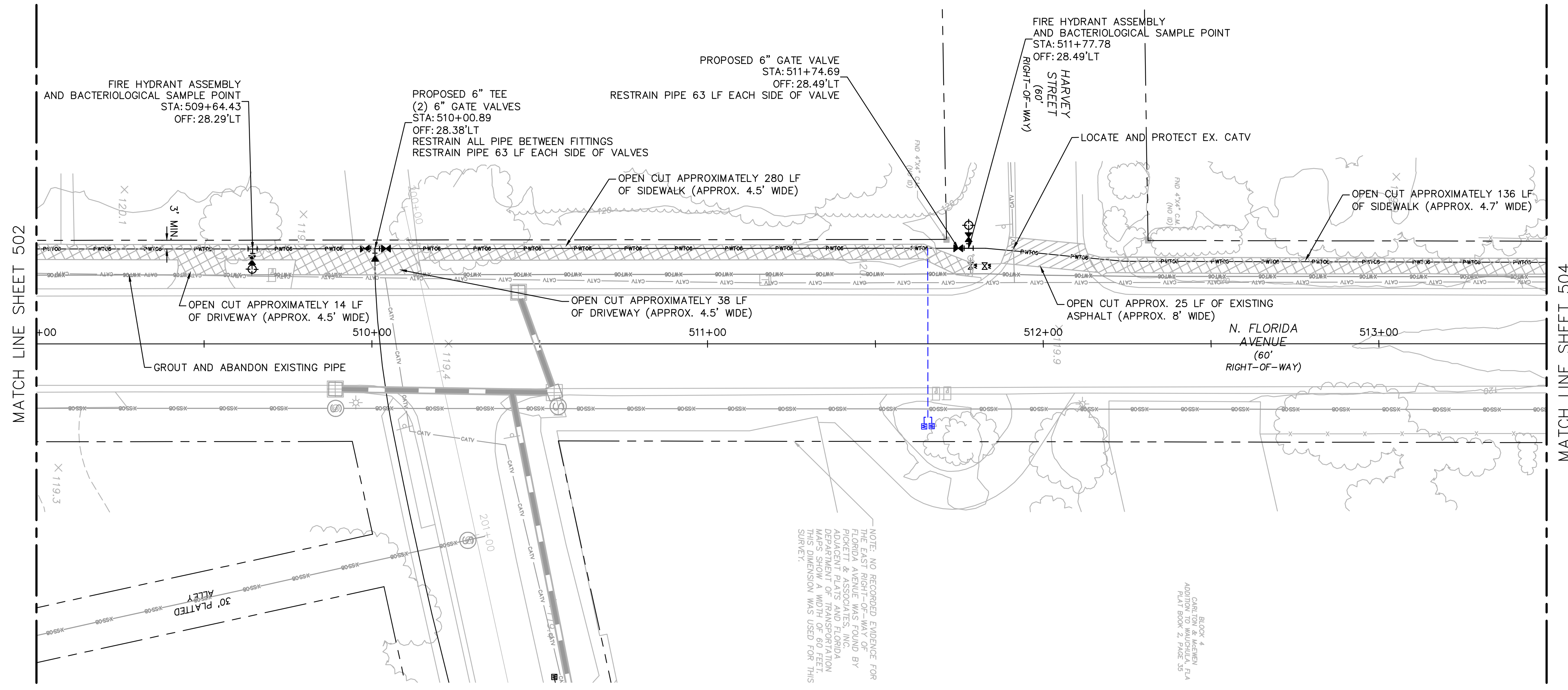
**100% PLAN SET
NOT FOR CONSTRUCTION**



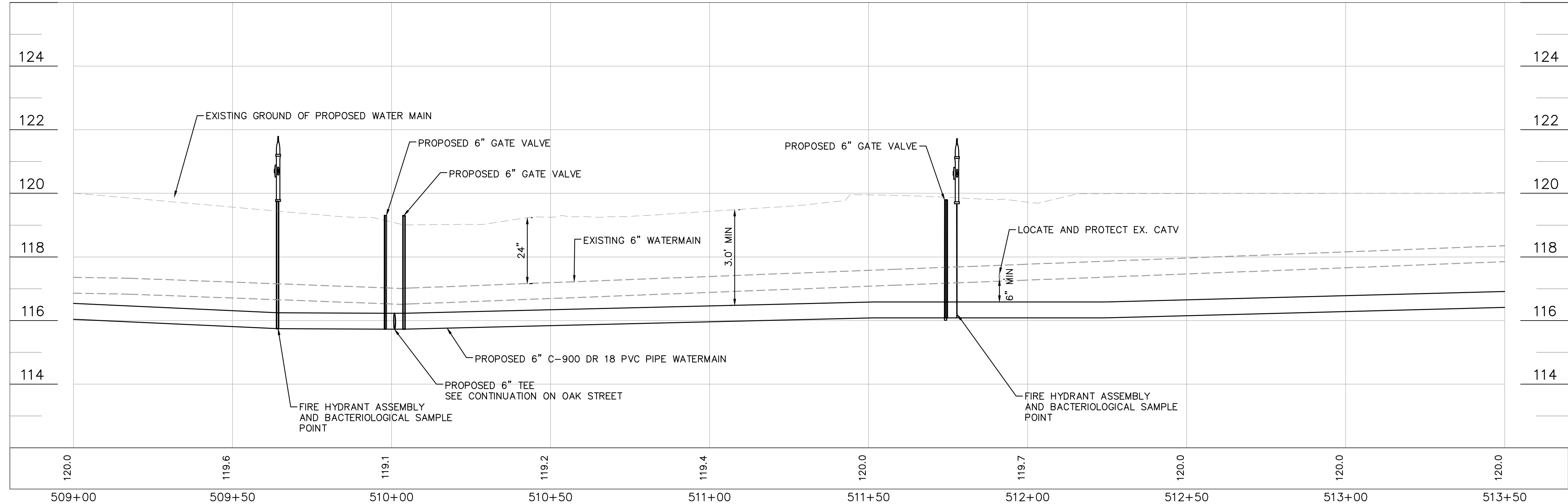
GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

© 2023 KIMLEY-HORN AND ASSOCIATES, INC. 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602 PHONE: 813-820-1460 WWW.KIMLEY-HORN.COM	
SCALE AS NOTED DESIGNED BY JWW DRAWN BY SNH CHECKED BY JRT	REVISIONS No. DATE BY
THE ITEM HAS BEEN PARTIALLY SIGNED AND SEALED BY JAMISON R. TONDREAU, P.E. #84896. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	
CITY OF WAUCHULA SERVICE AREA 3 WATERMAIN REHABILITATION HARDEE COUNTY FLORIDA	FLORIDA AVENUE 504+50 - 509+00
DATE MAY 2023 PROJECT NO. 046292031 SHEET NUMBER 502	

Drawing name: K:\AK_Civil\046292031 - Service Area 3 Phase 2 Revisions\ACADD\CONSTR\500 - FLORIDA.dwg 503 Jun 12, 2023 12:30pm by: KAUJA, Wallace
 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 and 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.



SEE SHEET 201 FOR CONTINUATION



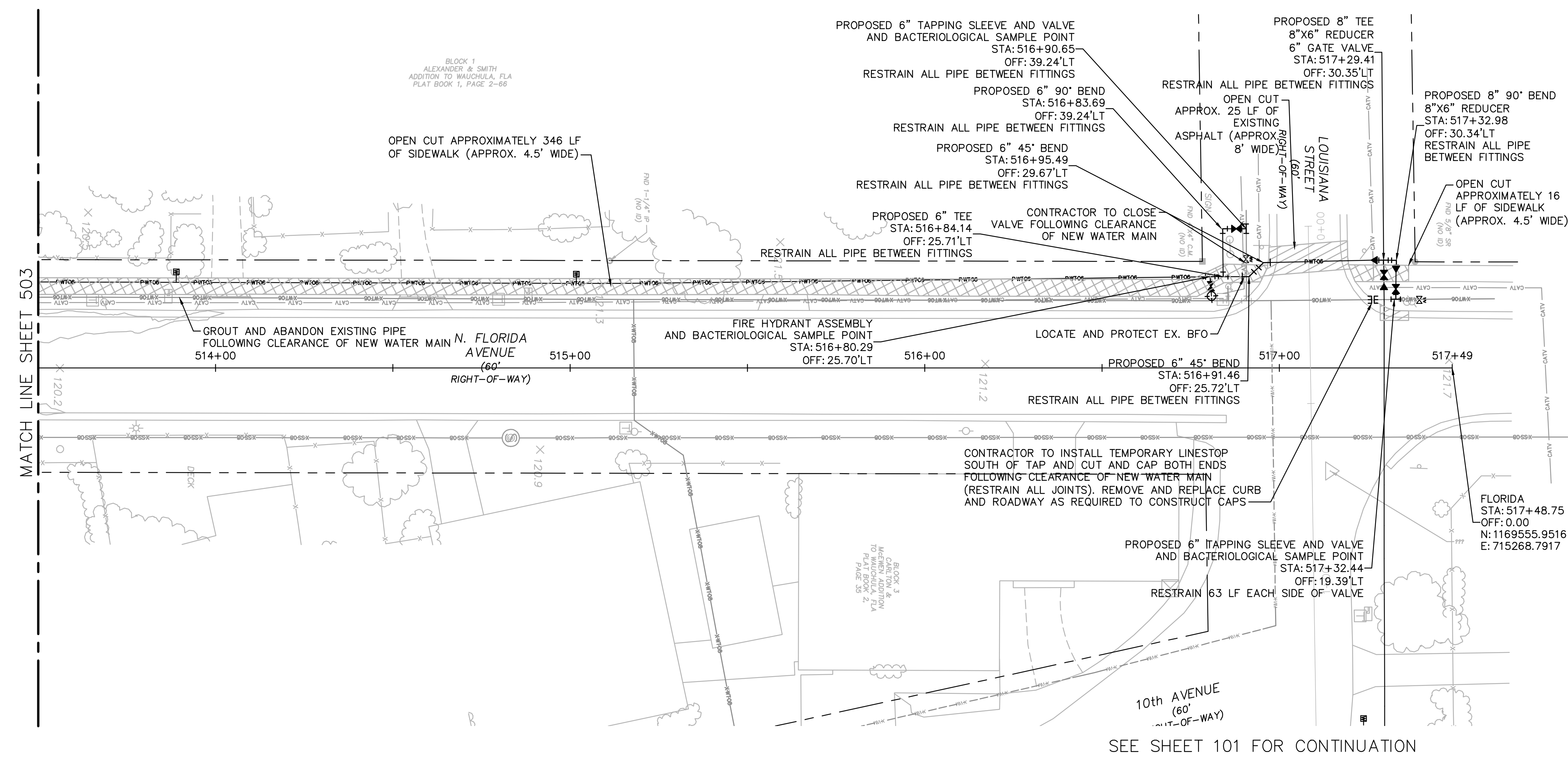
**100% PLAN SET
NOT FOR CONSTRUCTION**



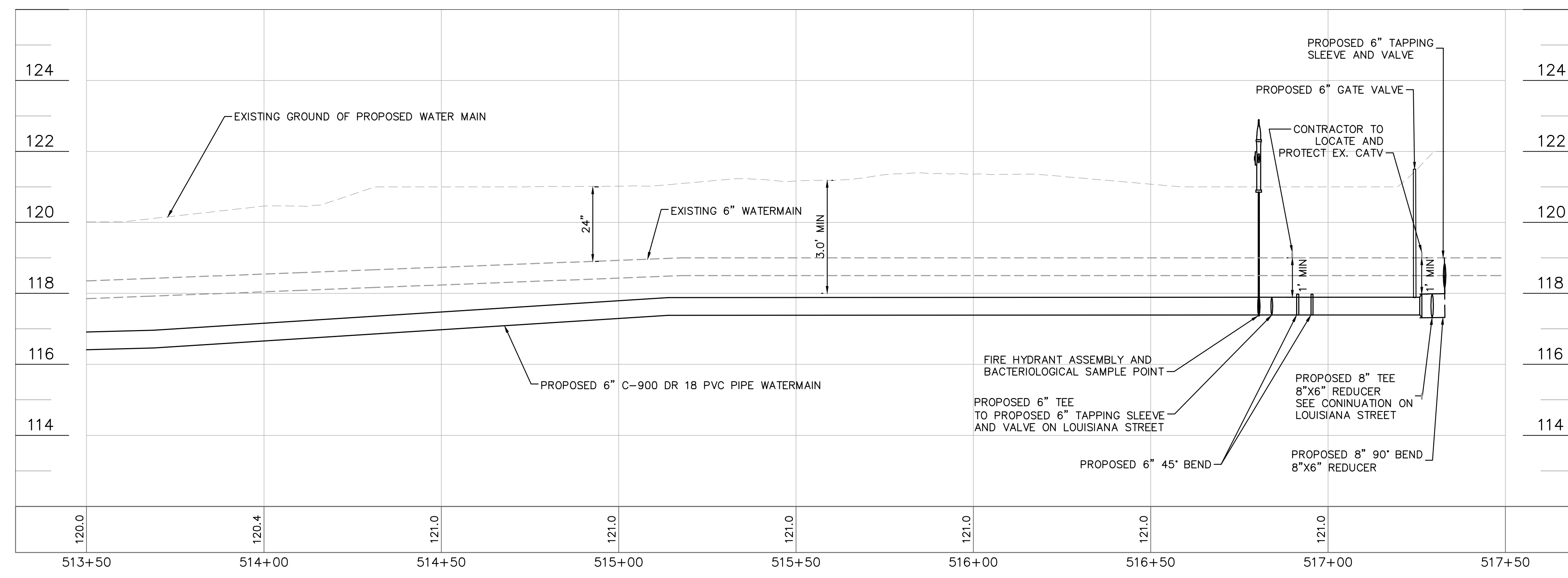
GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

		© 2023 KIMLEY-HORN AND ASSOCIATES, INC. 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602 PHONE: 813-820-1460 WWW.KIMLEY-HORN.COM	
		SCALE: AS NOTED DESIGNED BY: JWW DRAWN BY: SNH CHECKED BY: JRT	
CITY OF WAUCHULA SERVICE AREA 3 WATERMAIN REHABILITATION		FLORIDA AVENUE 509+00 - 513+50	
HARDEE COUNTY FLORIDA		DATE: MAY 2023 PROJECT NO.: 046292031 SHEET NUMBER: 503	
REVISIONS		DATE BY	

Drawing name: K:\AK_Civil\046292031 - Service Area 3 Phase 2 Revisions\CADD\CONSTR\500 - FLORIDA.dwg 504 Jun 12, 2023 12:31pm by: KAUJA, Wallace
 This document, together with the concepts and designs presented herein, is an instrument of service, is intended only for the specific purpose and client for which it was prepared. Release of and 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.



SEE SHEET 101 FOR CONTINUATION



**100% PLAN SET
NOT FOR CONSTRUCTION**



GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TONDEBULT, P.E. #8496. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602
 PHONE: 813-620-1460
 WWW.KIMLEY-HORN.COM

SCALE: AS NOTED
 DESIGNED BY: JWW
 DRAWN BY: SNH
 CHECKED BY: JRT

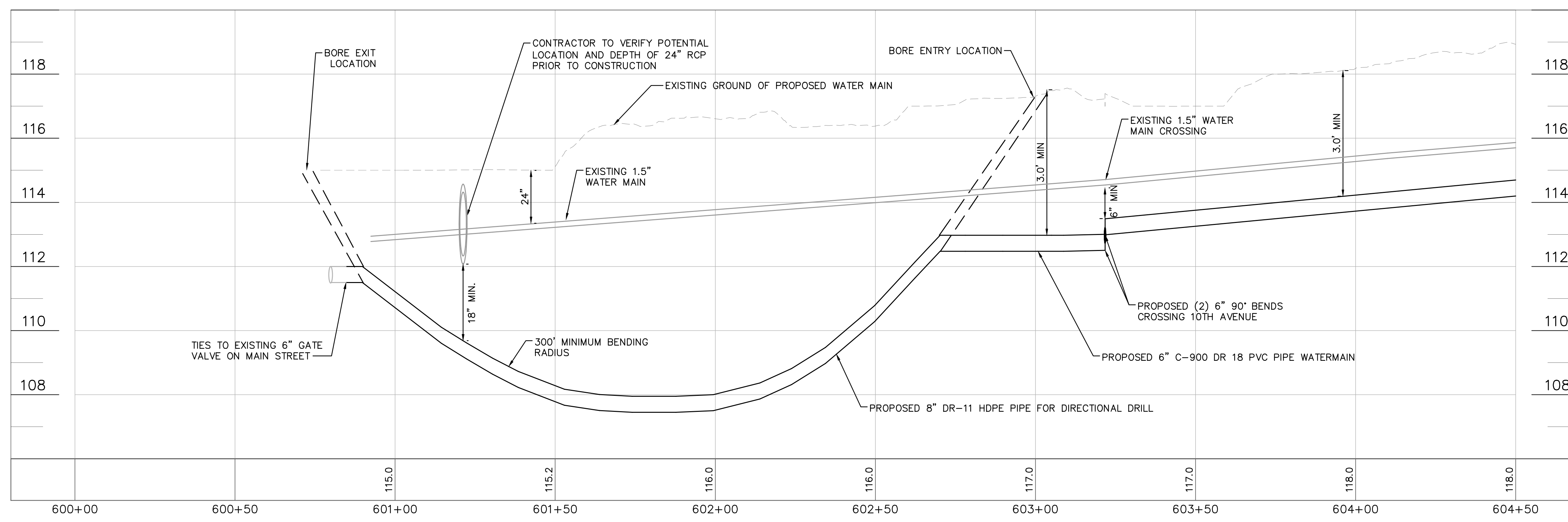
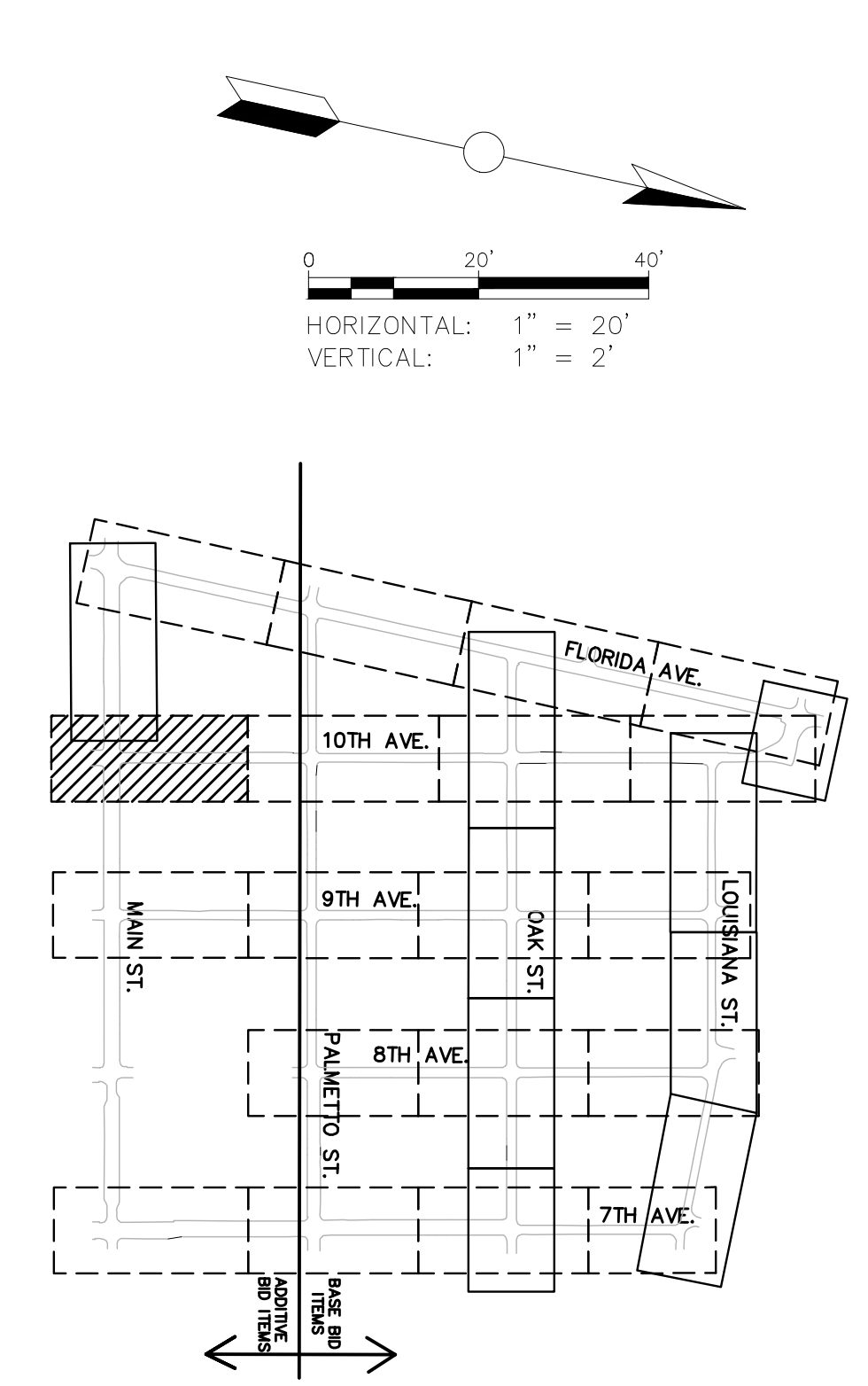
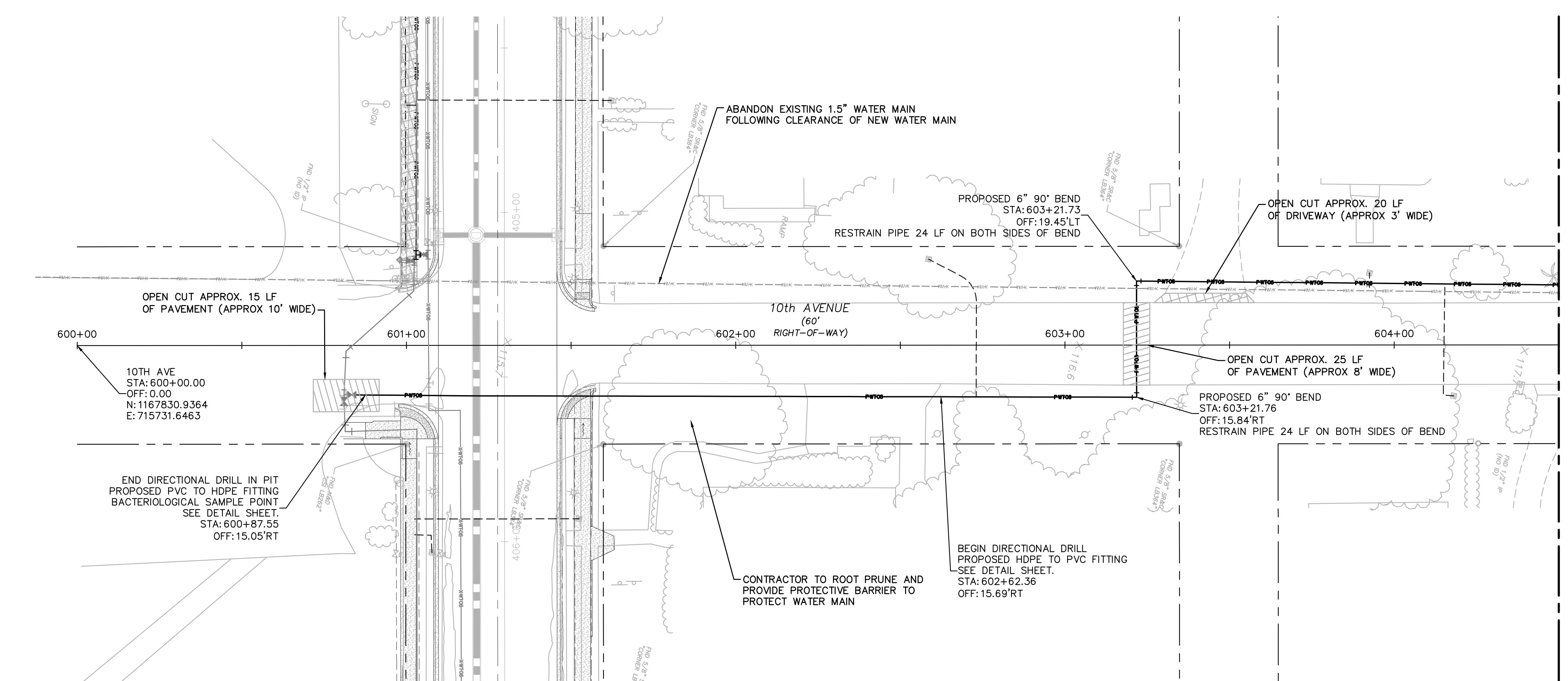
**FLORIDA AVENUE
513+50 - 517+49**

CITY OF WAUCHULA
 SERVICE AREA 3 WATERMAIN
 REHABILITATION
 FLORIDA
 HARDEE COUNTY

DATE: MAY 2023
 PROJECT NO: 046292031
 SHEET NUMBER: **504**

NO.	REVISIONS	DATE	BY

Drawing name: K:\AK_Civil\046292031 - Service Area 3 Phase 2 Revisions\CADD\CONSTR\600 - 10TH AVE.dwg 601 Jun 12, 2023 12:32pm by: KAUJis.Wallace
 This document, together with the concepts and designs presented herein, is an instrument of service, is intended only for the specific purpose and client for which it was prepared. Release of and 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.



**100% PLAN SET
NOT FOR CONSTRUCTION**



GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TONDREBULT, P.E. #84396. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602
 PHONE: 813-620-1460
 WWW.KIMLEY-HORN.COM

SCALE: AS NOTED
 DESIGNED BY: JWW
 DRAWN BY: SNH
 CHECKED BY: JRT

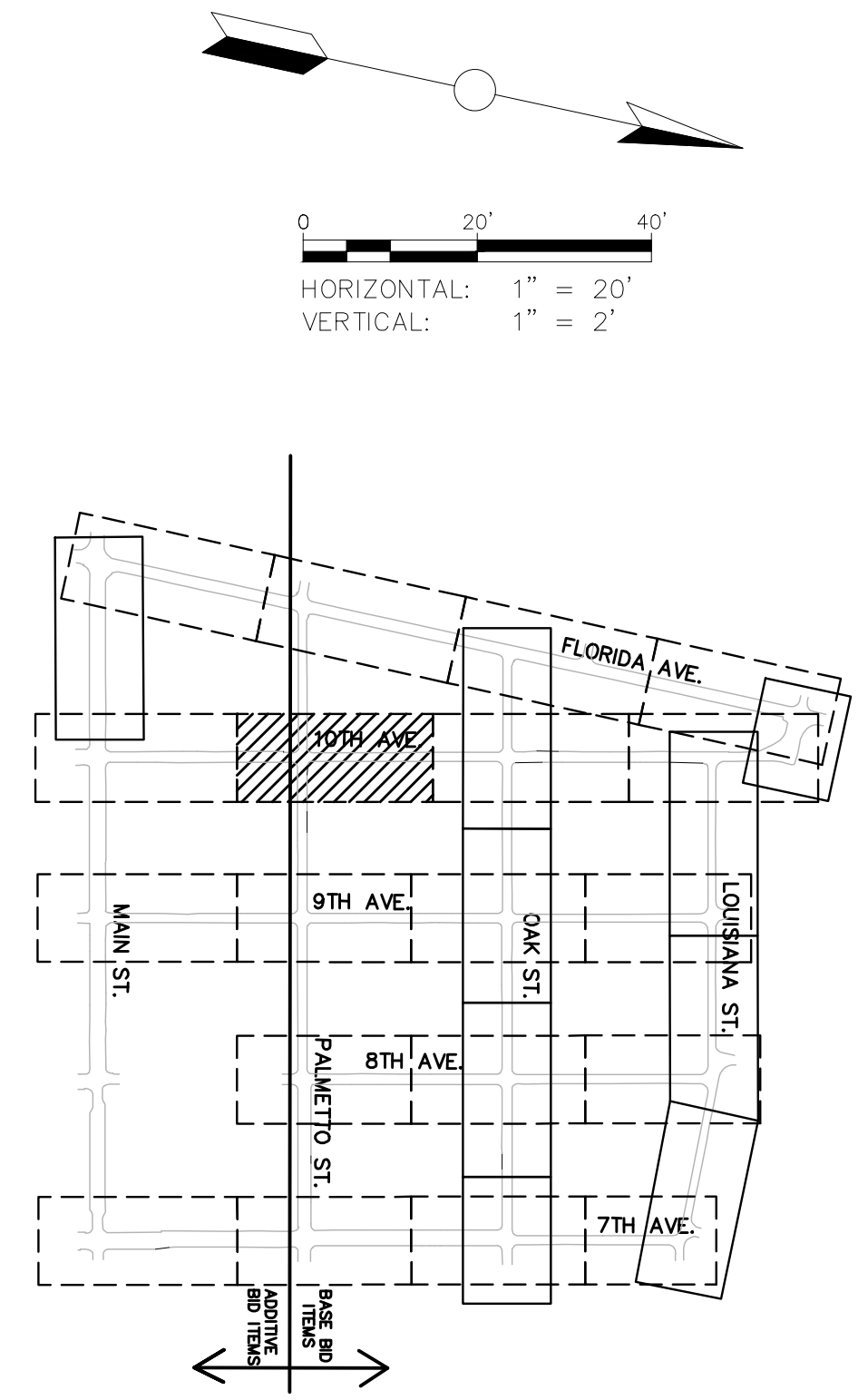
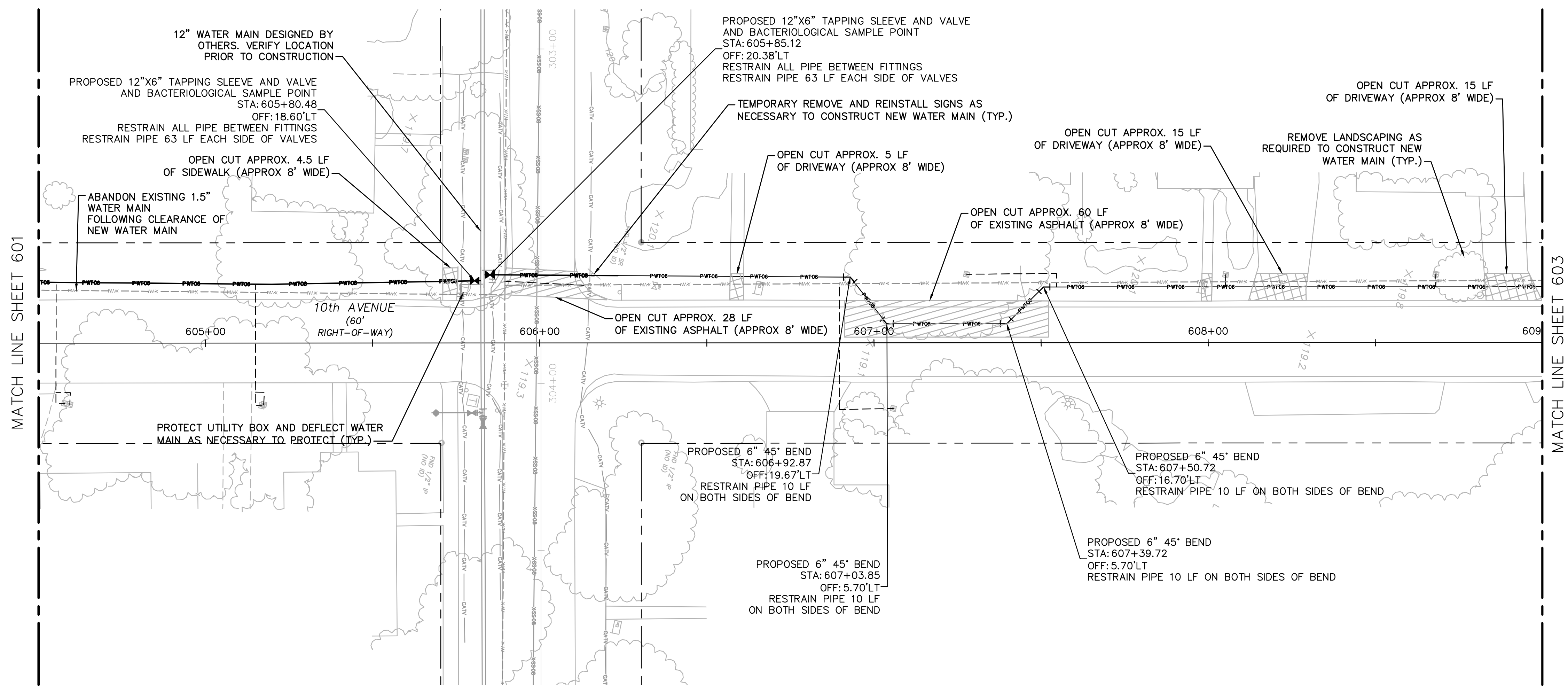
CITY OF WAUCHULA
 SERVICE AREA 3 WATERMAIN
 REHABILITATION
 HARDEE COUNTY FLORIDA

10TH AVENUE
 600+00 - 604+50
 (BID ADDITIVE)

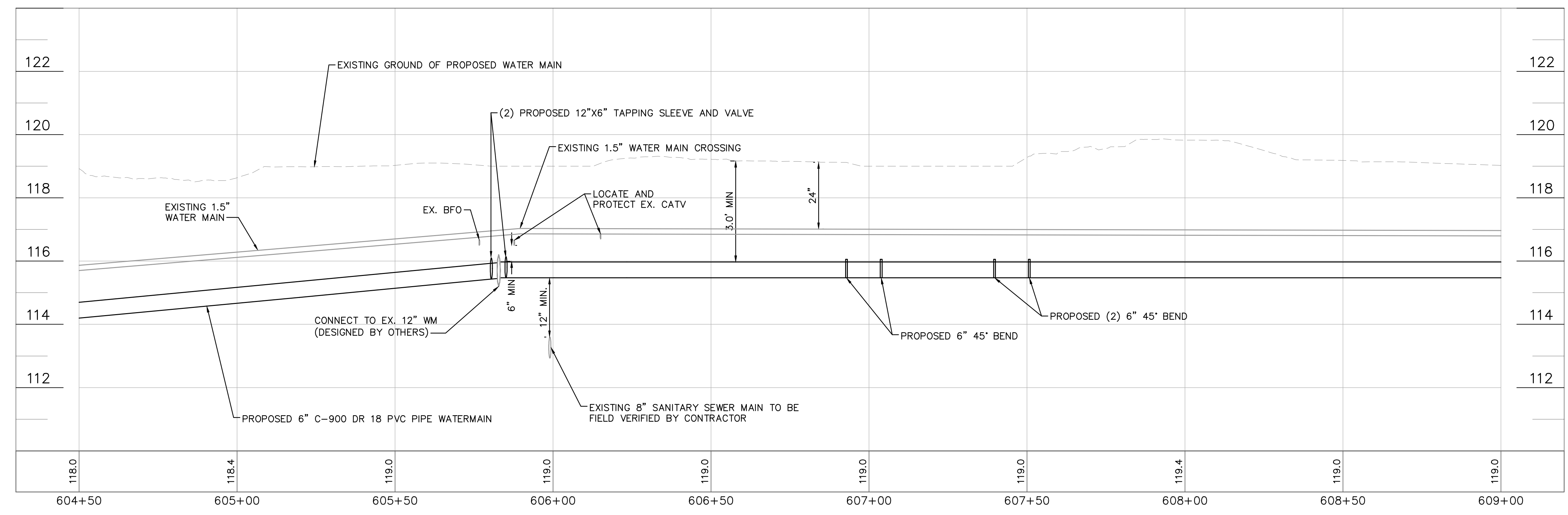
DATE: MAY 2023
 PROJECT NO: 046292031
 SHEET NUMBER: **601**

NO.	REVISIONS	DATE	BY

Drawing name: K:\LAK_Civil\046292031 - Service Area 3 Phase 2 Revisions\CADD\CONSTR\600 - 10TH AVE.dwg 602 Jun 12, 2023 12:33pm by: KAujia Wallace
 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 or 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.



← ADDITIVE BID ITEMS | BASE BID ITEMS →



**100% PLAN SET
NOT FOR CONSTRUCTION**



GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TONDREBULT, P.E. #8498. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602
 PHONE: 813-620-4460
 WWW.KIMLEY-HORN.COM

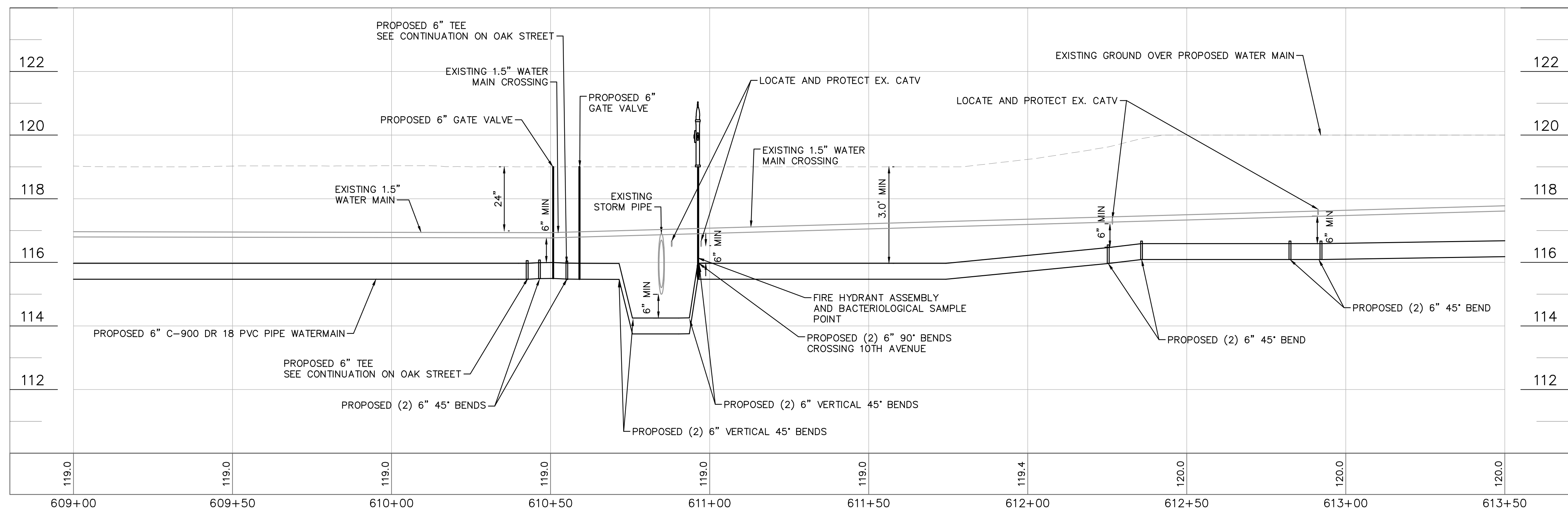
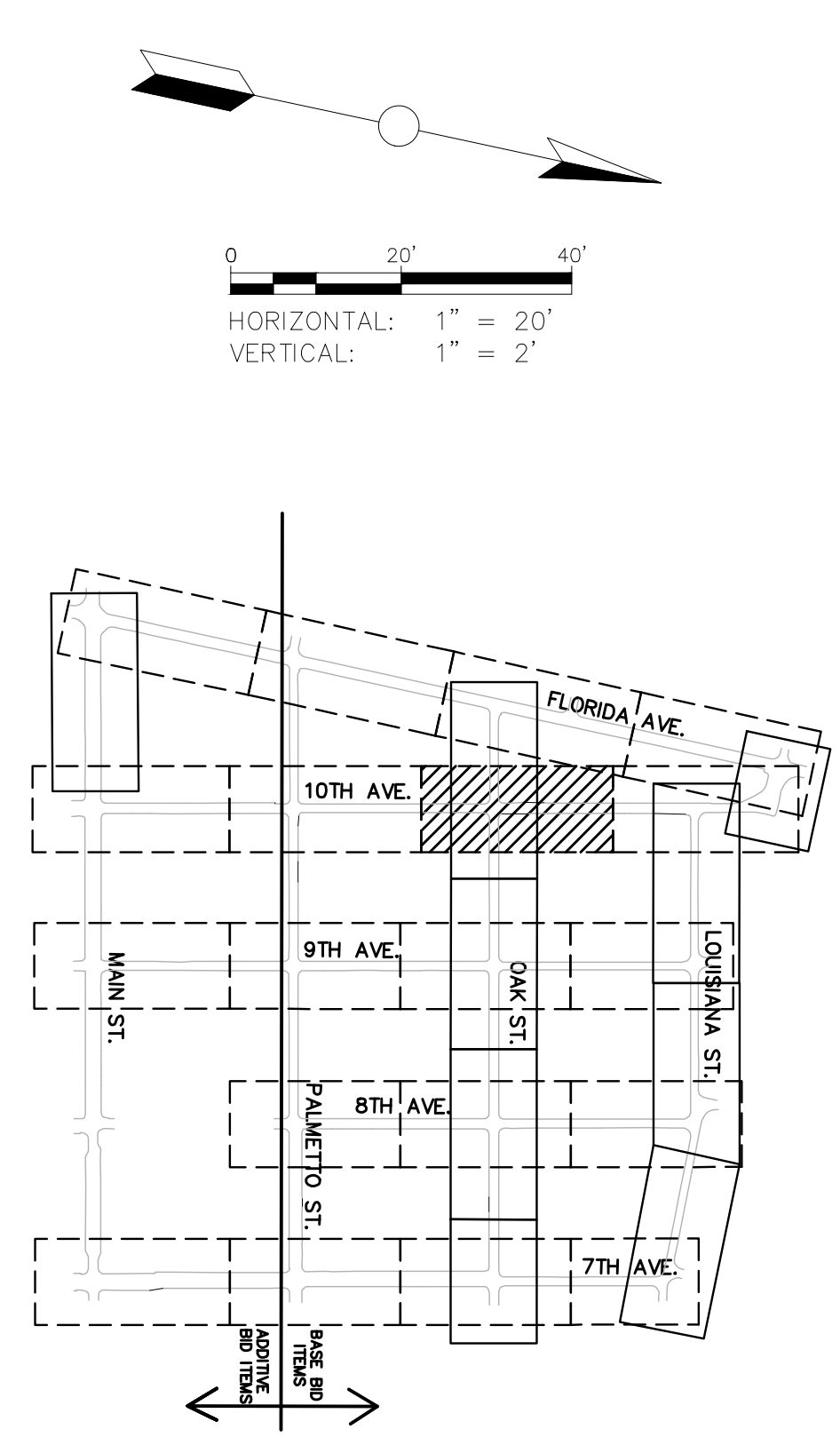
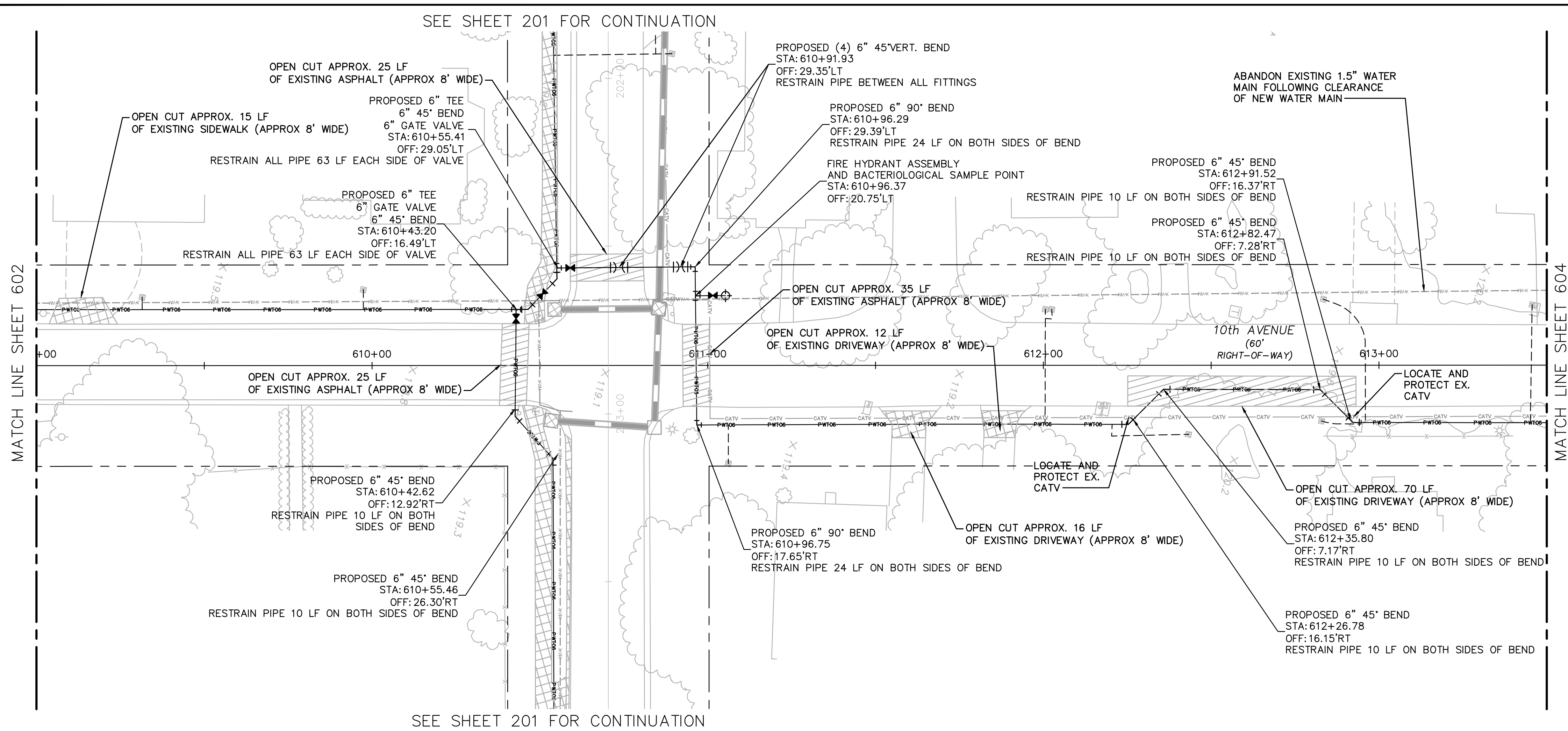
SCALE: AS NOTED
 DESIGNED BY: JWW
 DRAWN BY: SNH
 CHECKED BY: JRT

CITY OF WAUCHULA
 SERVICE AREA 3 WATERMAIN
 REHABILITATION
 HARDEE COUNTY FLORIDA

DATE: MAY 2023
 PROJECT NO: 046292031
 SHEET NUMBER: 602

No.	REVISIONS	DATE	BY

Drawing name: K:\AK_Civil\046292031 - Service Area 3 Phase 2 Revisions\CADD\CONSTR\600 - 10TH AVE.dwg 603 Jun 12, 2023 12:34pm by: KAujia Wallace
 This document, together with the concepts and designs presented herein, is an instrument of service, is intended only for the specific purpose and client for which it was prepared. Release of and 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.



100% PLAN SET
NOT FOR CONSTRUCTION



GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TONREULT, P.E. #84396. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602
 PHONE: 813-920-1460
 WWW.KIMLEY-HORN.COM

SCALE: AS NOTED
 DESIGNED BY: JWW
 DRAWN BY: SNH
 CHECKED BY: JRT

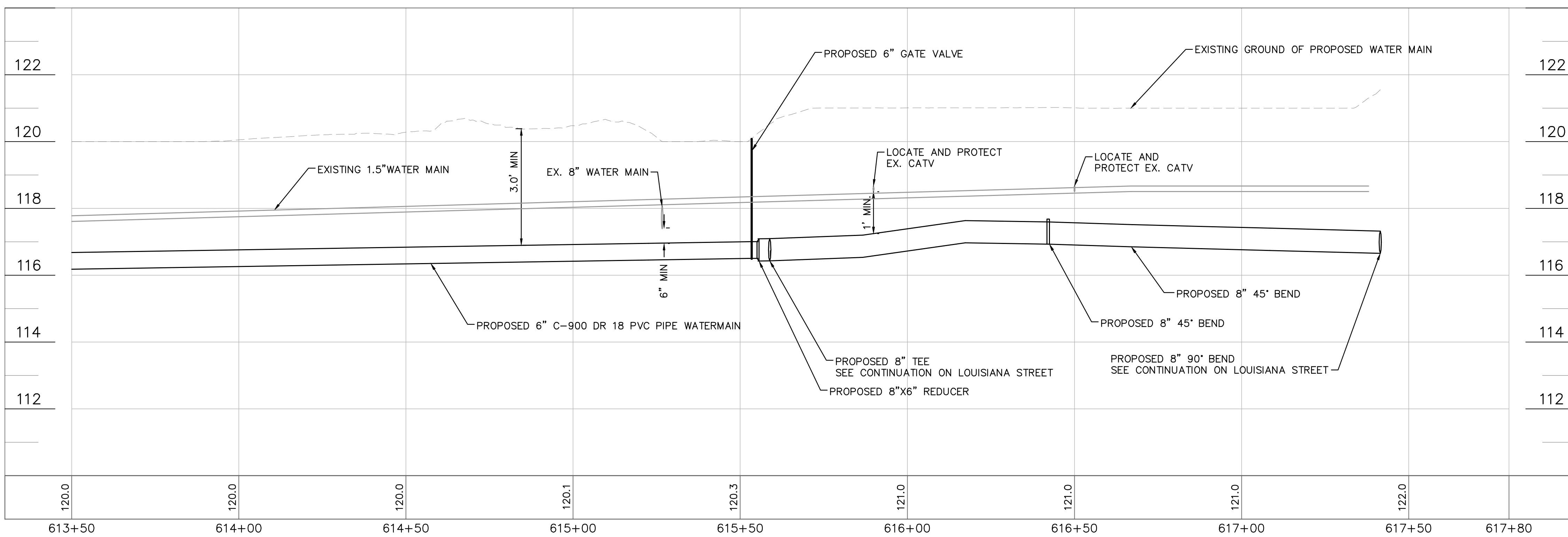
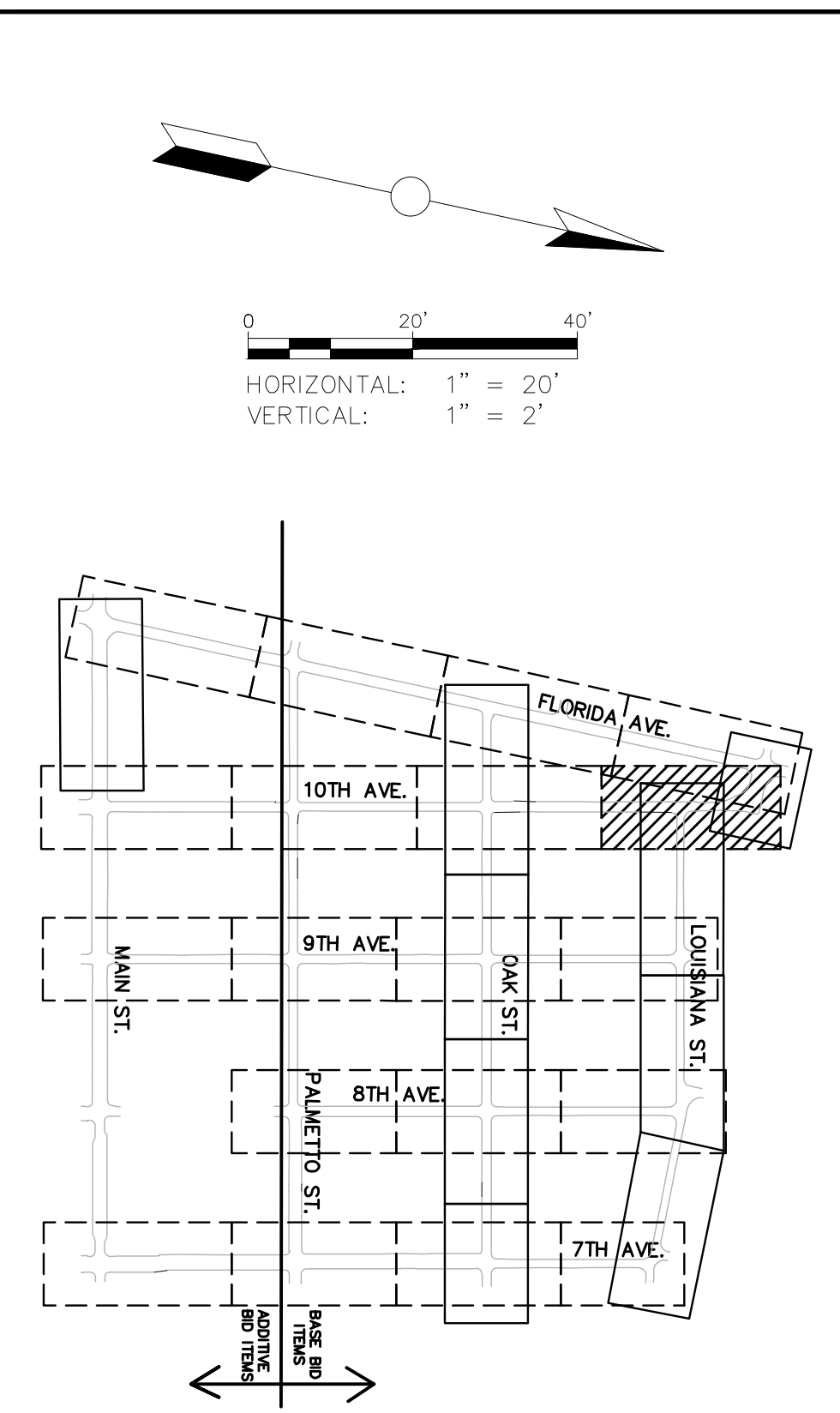
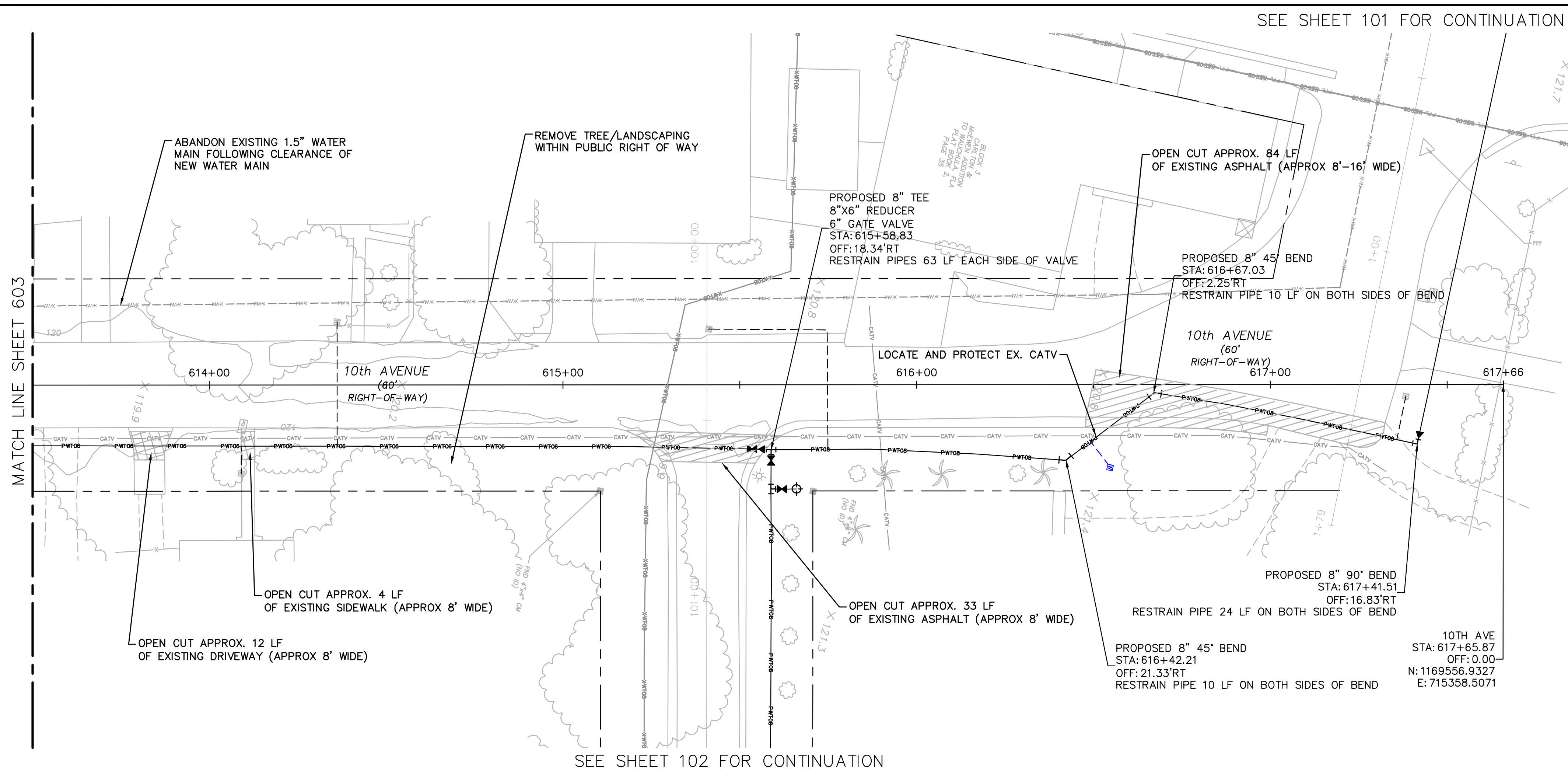
CITY OF WAUCHULA
 SERVICE AREA 3 WATERMAIN
 REHABILITATION
 HARDEE COUNTY
 FLORIDA

10TH AVENUE
 609+00 - 613+50

DATE: MAY 2023
 PROJECT NO: 046292031
 SHEET NUMBER: 603

NO.	REVISIONS	DATE	BY

Drawing name: K:\AK_Civil\046292031 - Service Area 3 Phase 2 Revisions\CADD\CONSTR\600 - 10TH AVE.dwg 604 Jun 12, 2023 12:34pm by: KAUJIS, Wallace
 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 or 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.



**100% PLAN SET
NOT FOR CONSTRUCTION**



GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TONDREBULT, P.E. #84396. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602
 PHONE: 813-820-4460
 WWW.KIMLEY-HORN.COM

SCALE: AS NOTED
 DESIGNED BY: JWW
 DRAWN BY: SNH
 CHECKED BY: JRT

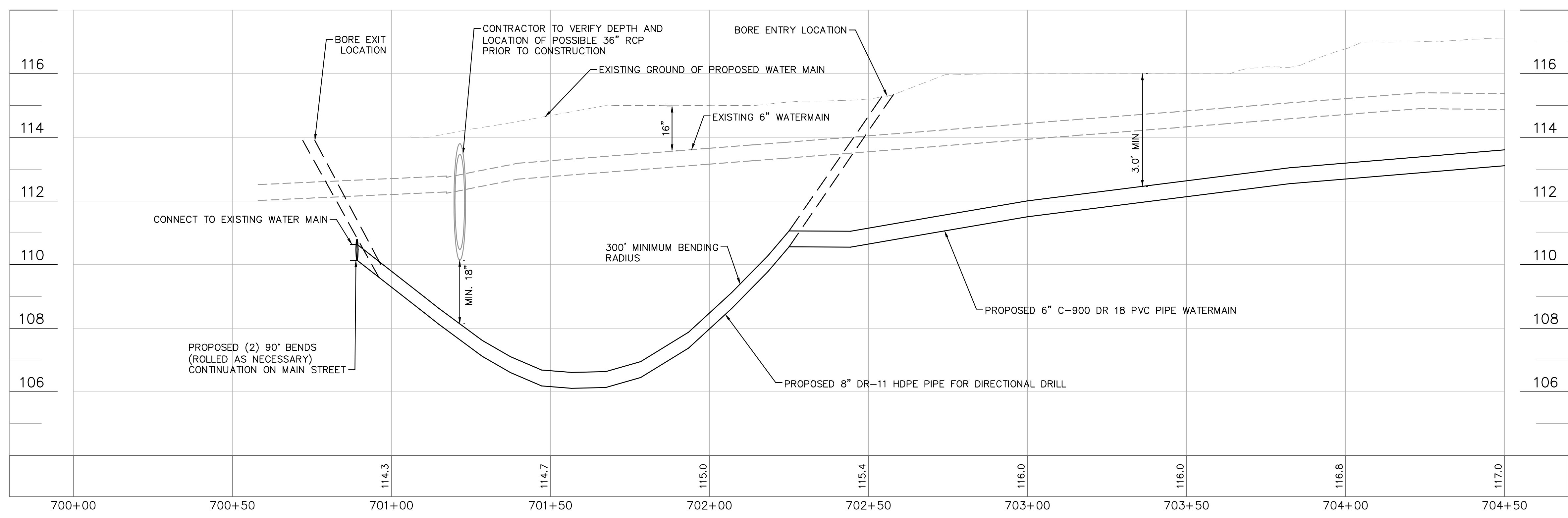
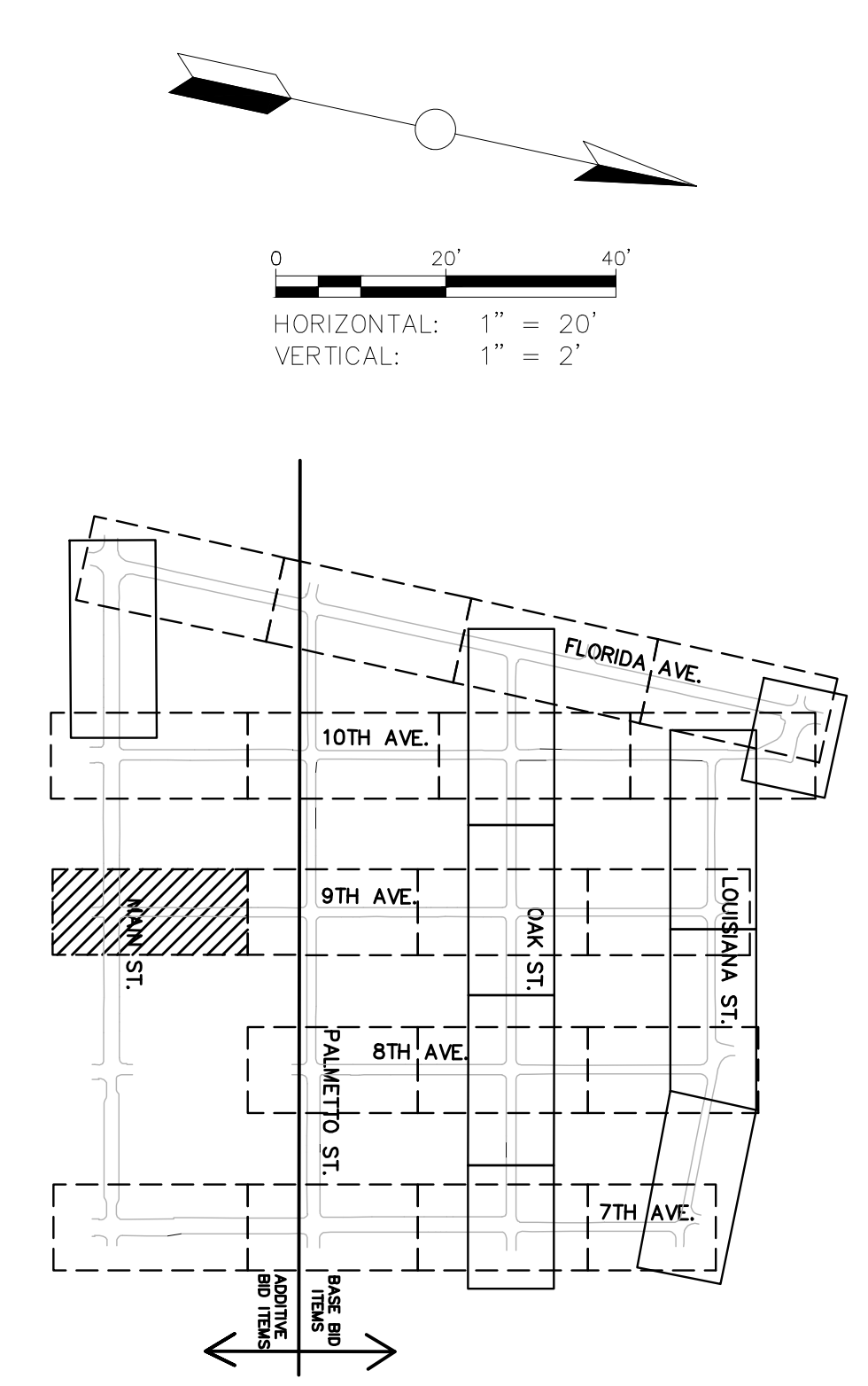
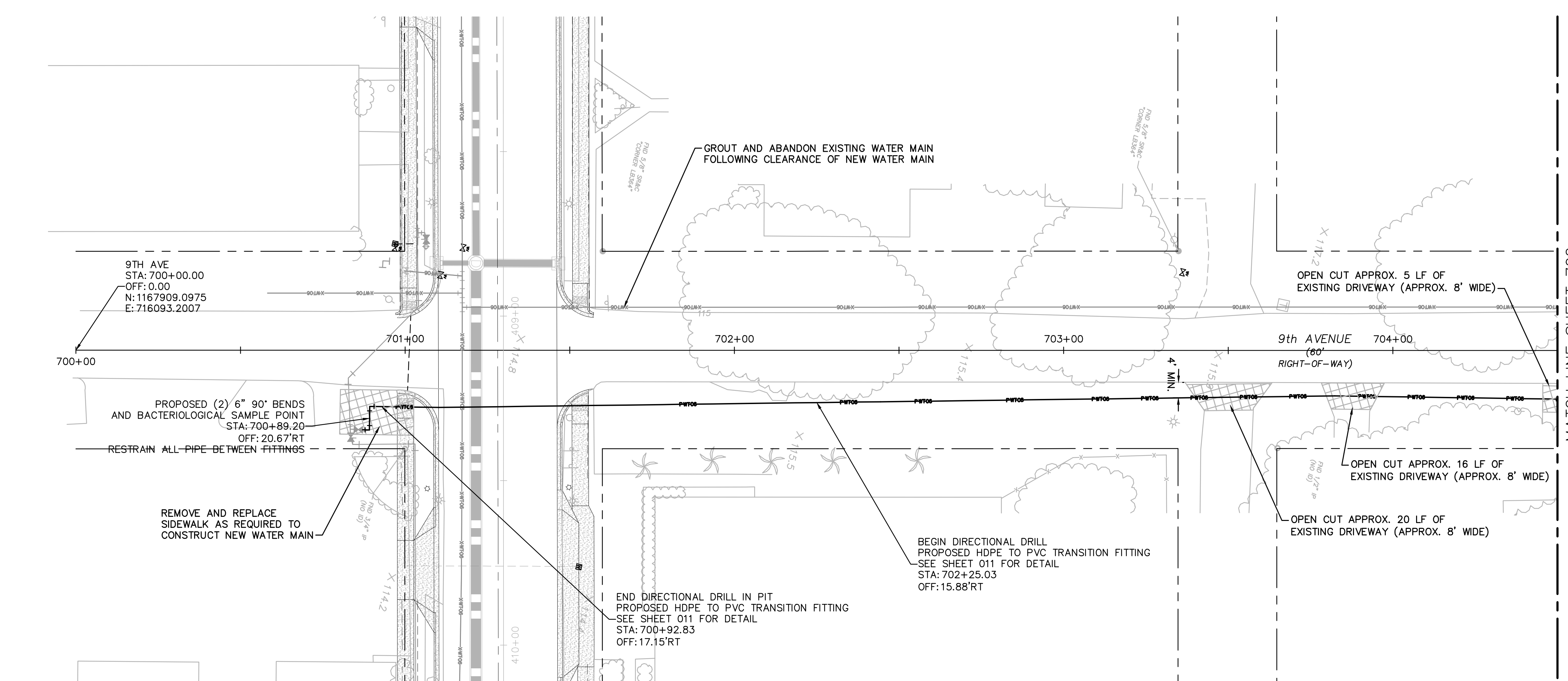
**10TH AVENUE
613+50 - 617+66**

CITY OF WAUCHULA
 SERVICE AREA 3 WATERMAIN
 REHABILITATION
 HARDEE COUNTY FLORIDA

DATE: MAY 2023
 PROJECT NO: 046292031
 SHEET NUMBER: **604**

NO.	REVISIONS	DATE	BY

Drawing name: K:\AK_Civil\046292031 - Service Area 3 Phase 2 Revisions\CADD\CONSTR\700 - 9TH AVENUE.dwg 701 Jun 12, 2023 12:35pm by: KAUJA, Wallace
 This document, together with the concepts and designs presented herein, is an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and 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.



**100% PLAN SET
NOT FOR CONSTRUCTION**



GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TONDREAU, P.E. #8496. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602
 PHONE: 813-820-1460
 WWW.KIMLEY-HORN.COM

SCALE: AS NOTED
 DESIGNED BY: JWW
 DRAWN BY: SNH
 CHECKED BY: JRT

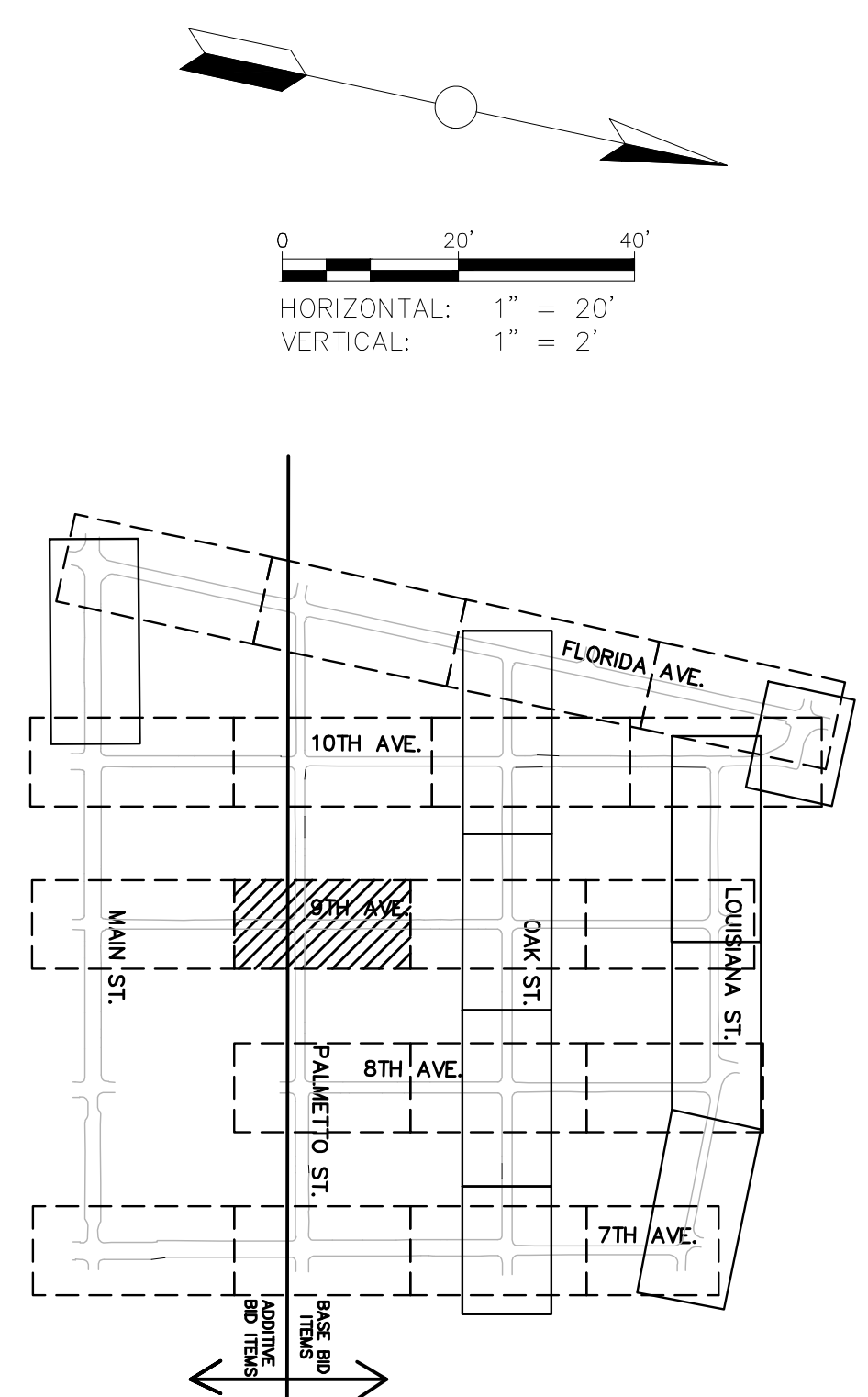
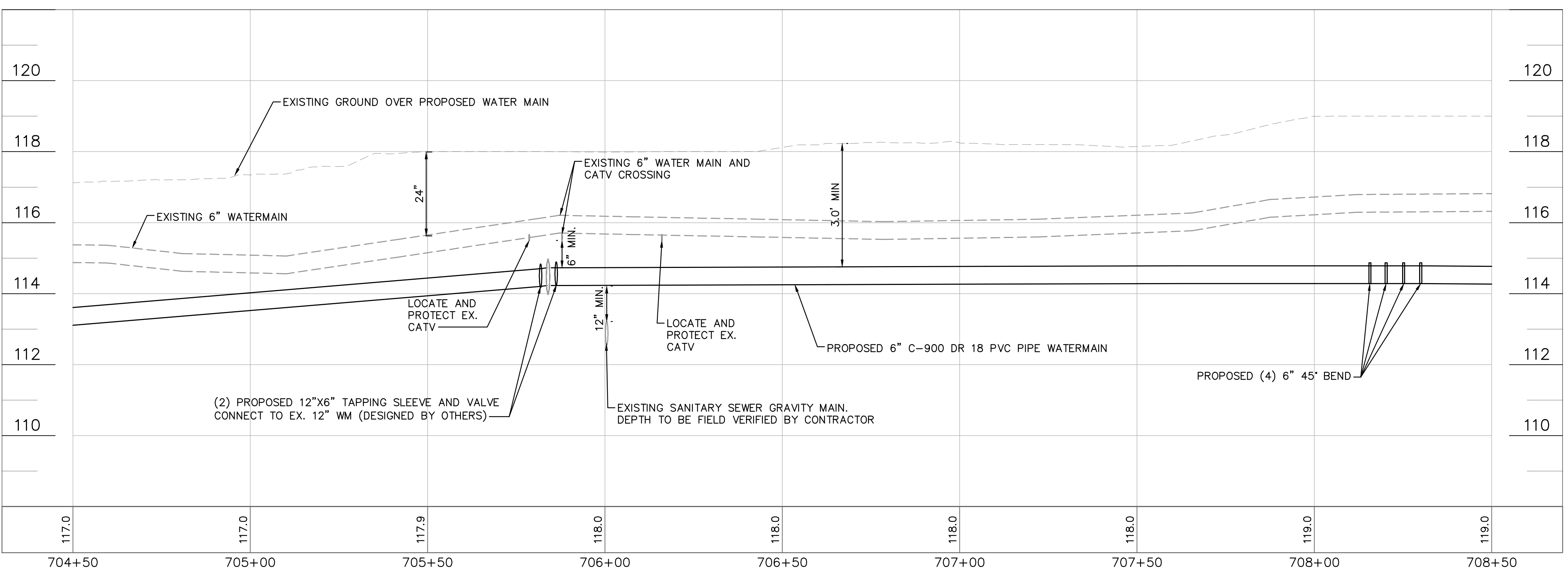
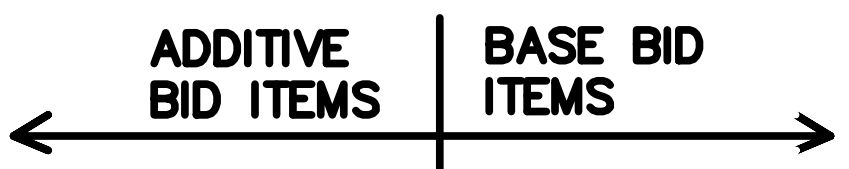
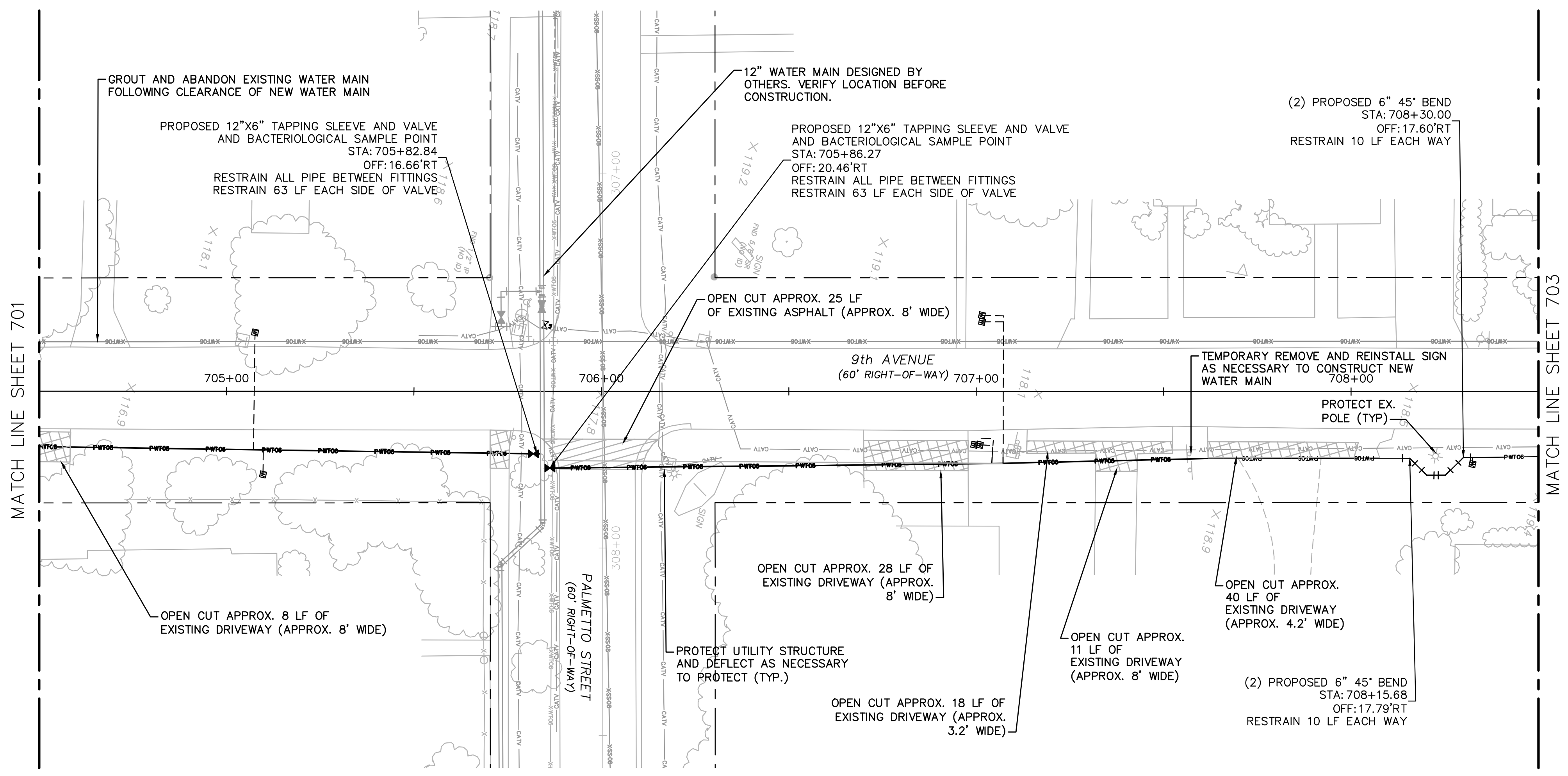
**9TH AVENUE
 700+00 - 704+50
 (BID ADDITIVE)**

CITY OF WAUCHULA
 SERVICE AREA 3 WATERMAIN
 REHABILITATION
 HARDEE COUNTY FLORIDA

DATE: MAY 2023
 PROJECT NO.: 046292031
 SHEET NUMBER: **701**

No.	REVISIONS	DATE	BY

Drawing name: K:\AK_Civil\046292031 - Service Area 3 Phase 2 Revisions\ACADD\CONSTR\700 - 9TH AVENUE.dwg 702 Jun 12, 2023 12:36pm by: KAUJA Wallace
 This document, together with the concepts and designs presented herein, is an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and 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.



**100% PLAN SET
NOT FOR CONSTRUCTION**



GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TONDEBULT, P.E. #84396. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602
 PHONE: 813-820-1460
 WWW.KIMLEY-HORN.COM

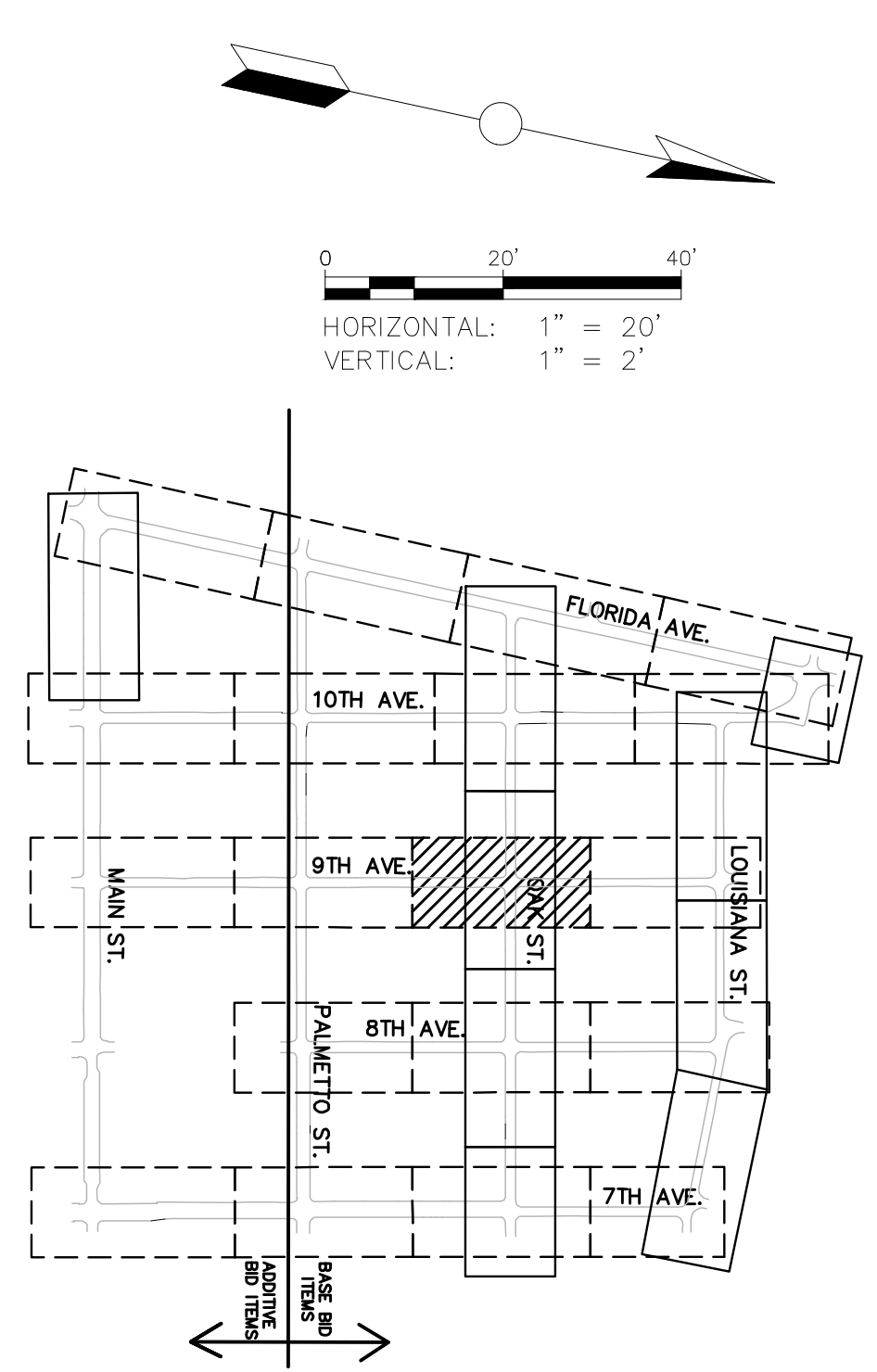
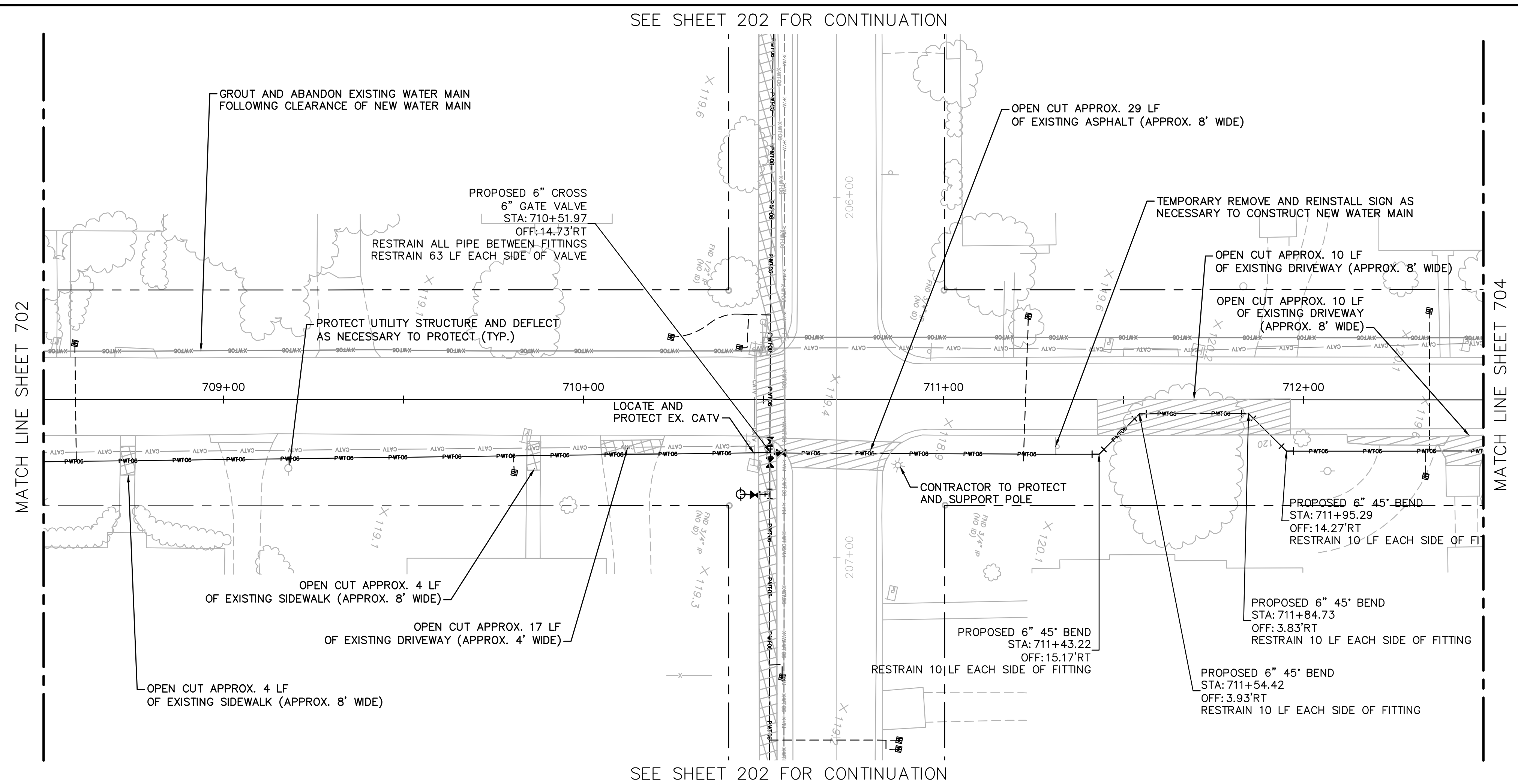
SCALE: AS NOTED
 DESIGNED BY: JWW
 DRAWN BY: SNH
 CHECKED BY: JRT

**CITY OF WAUCHULA
 SERVICE AREA 3 WATERMAIN
 REHABILITATION**
 HARDEE COUNTY FLORIDA

DATE: MAY 2023
 PROJECT NO.: 046292031
 SHEET NUMBER: **702**

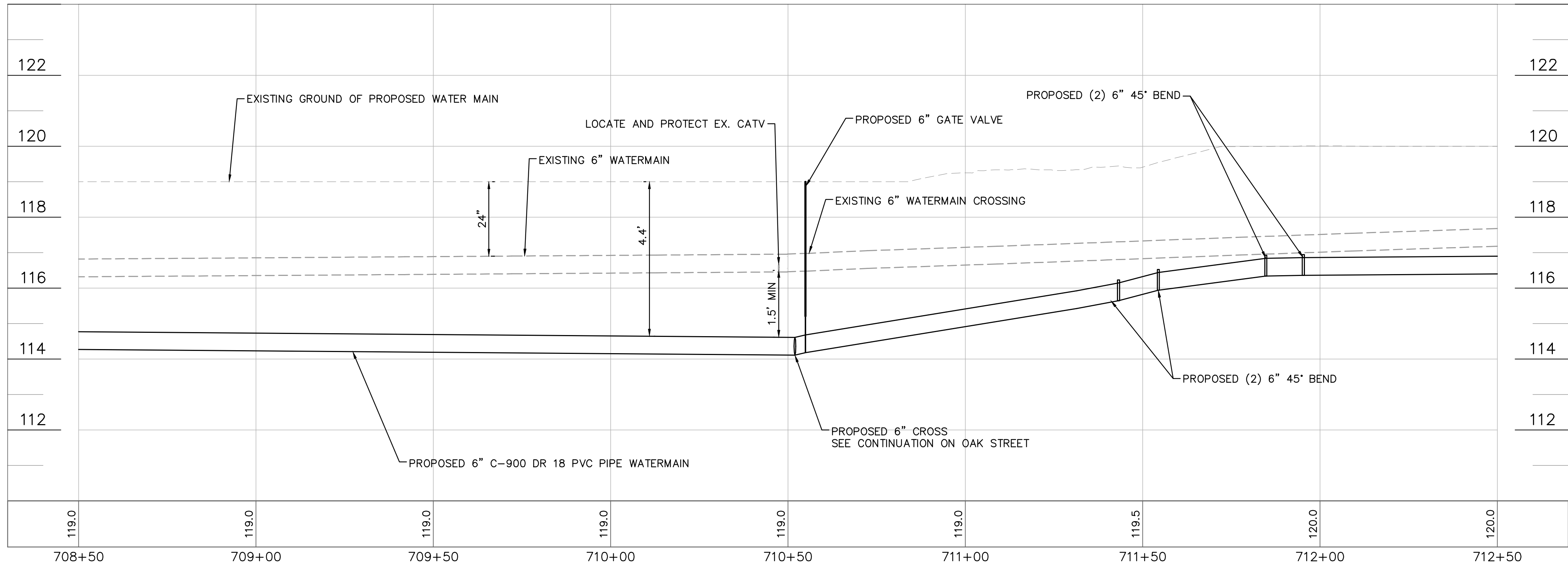
No.	REVISIONS	DATE	BY

Drawing name: K:\AK_Civil\046292031 - Service Area 3 Phase 2 Revisions\CADD\CONSTR\700 - 9TH AVENUE.dwg 703 Jun 12, 2023 12:36pm by: KAUJA Wallace
 This document, together with the concepts and designs presented herein, is an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and 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.



SEE SHEET 202 FOR CONTINUATION

SEE SHEET 202 FOR CONTINUATION



**100% PLAN SET
NOT FOR CONSTRUCTION**



GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TONDREAU, P.E. #84396. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602
 PHONE: 813-920-1460
 WWW.KIMLEY-HORN.COM

SCALE: AS NOTED
 DESIGNED BY: JWW
 DRAWN BY: SNH
 CHECKED BY: JRT

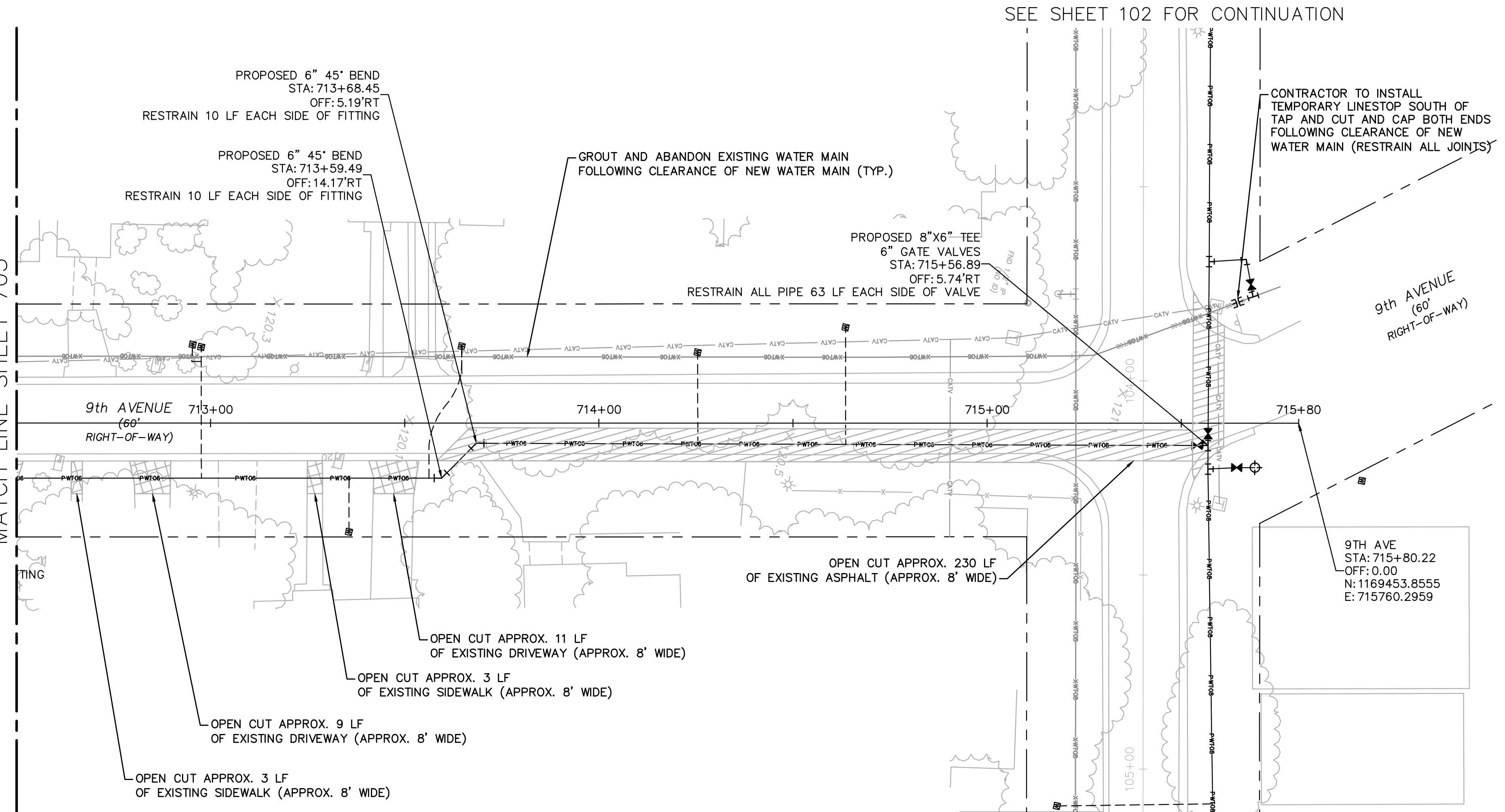
CITY OF WAUCHULA
 SERVICE AREA 3 WATERMAIN
 REHABILITATION
 HARDEE COUNTY FLORIDA

DATE: MAY 2023
 PROJECT NO.: 046292031
 SHEET NUMBER: 703

NO.	REVISIONS	DATE	BY

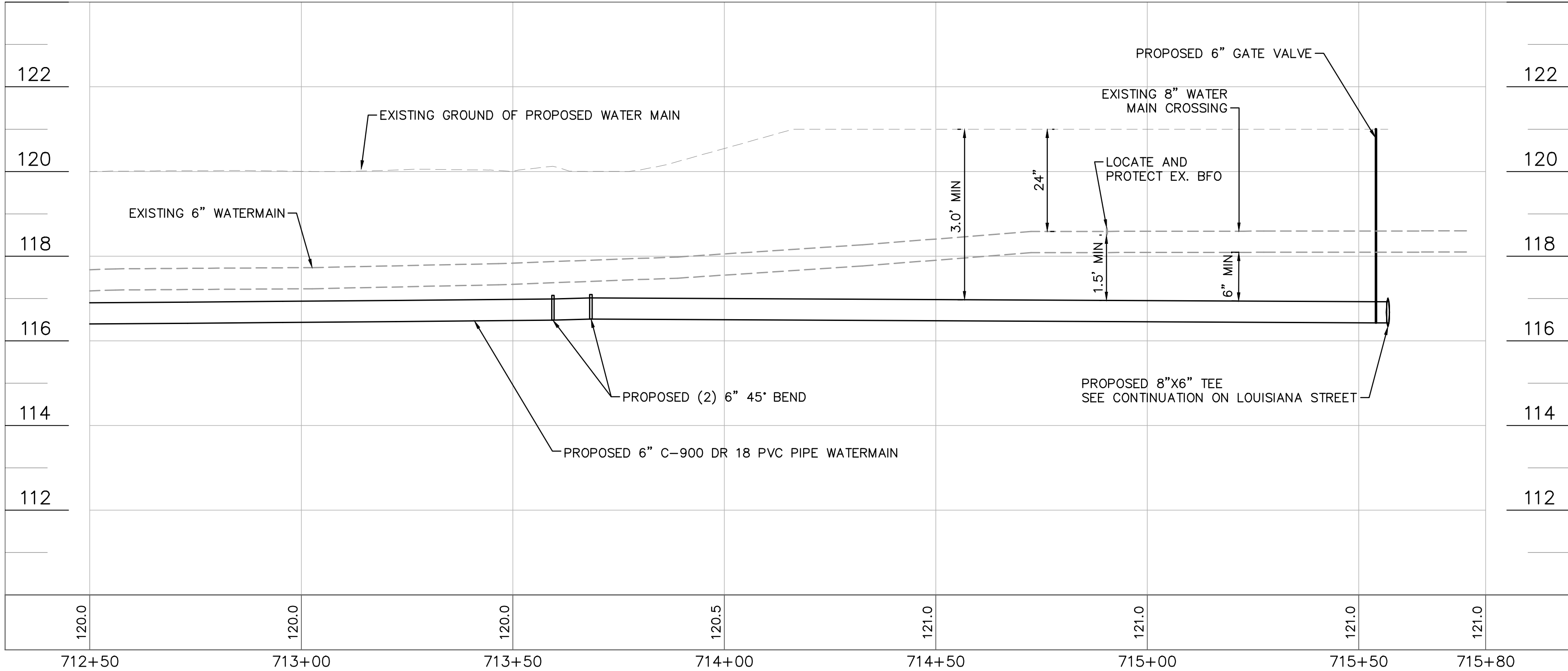
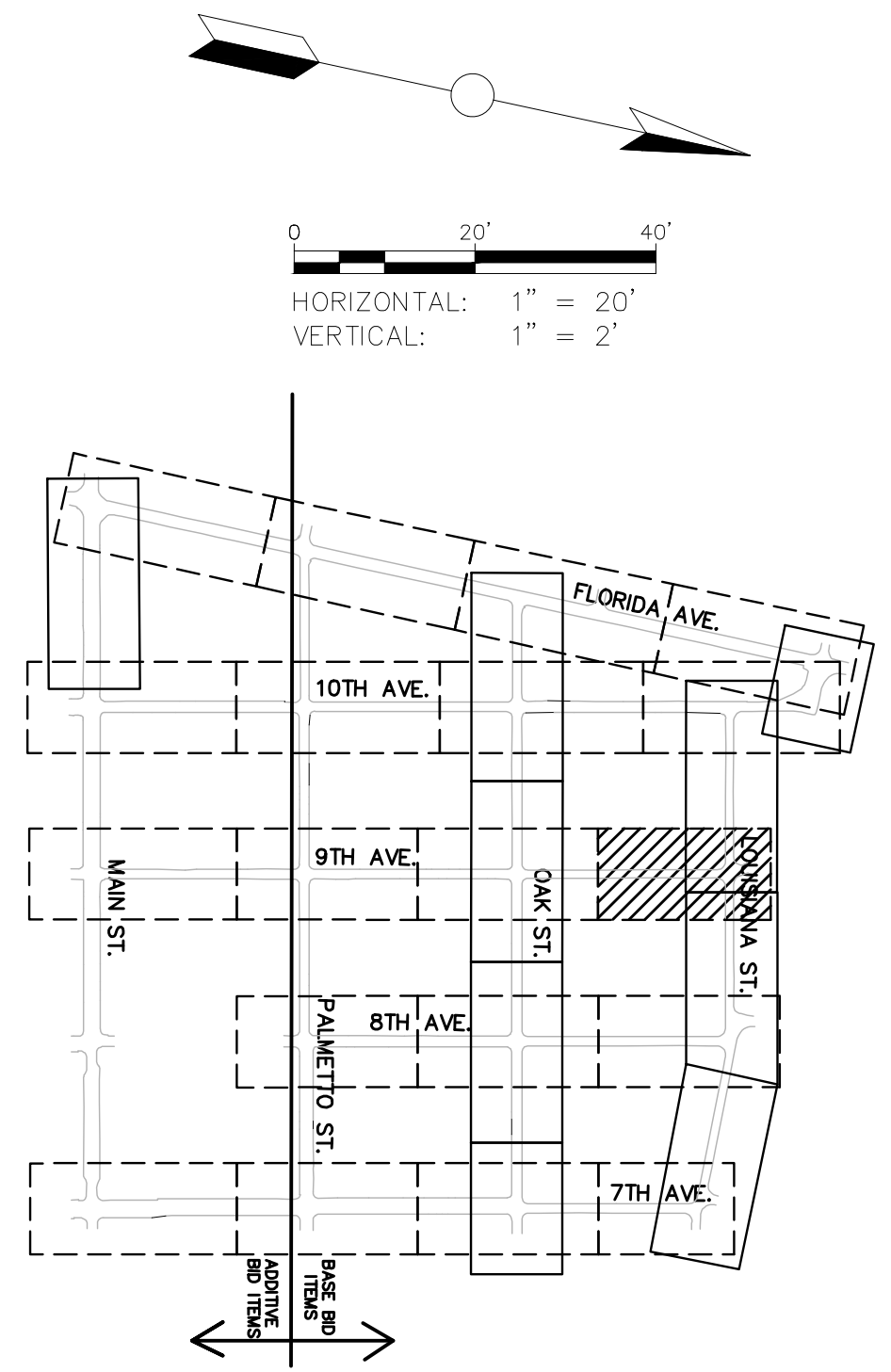
Drawing name: K:\AK_Civil\046292031 - Service Area 3 Phase 2 Revisions\CADD\CONSTR\700 - 9TH AVENUE.dwg 704 Jun 12, 2023 12:37pm by: KAuja Wallace
 This document, together with the concepts and designs presented herein, is an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and 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.

MATCH LINE SHEET 703



SEE SHEET 102 FOR CONTINUATION

SEE SHEET 103 FOR CONTINUATION



**100% PLAN SET
NOT FOR CONSTRUCTION**



GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TONDREBULT, P.E. #84396. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602
 PHONE: 813-820-1460
 WWW.KIMLEY-HORN.COM

SCALE: AS NOTED
 DESIGNED BY: JWW
 DRAWN BY: SNH
 CHECKED BY: JRT

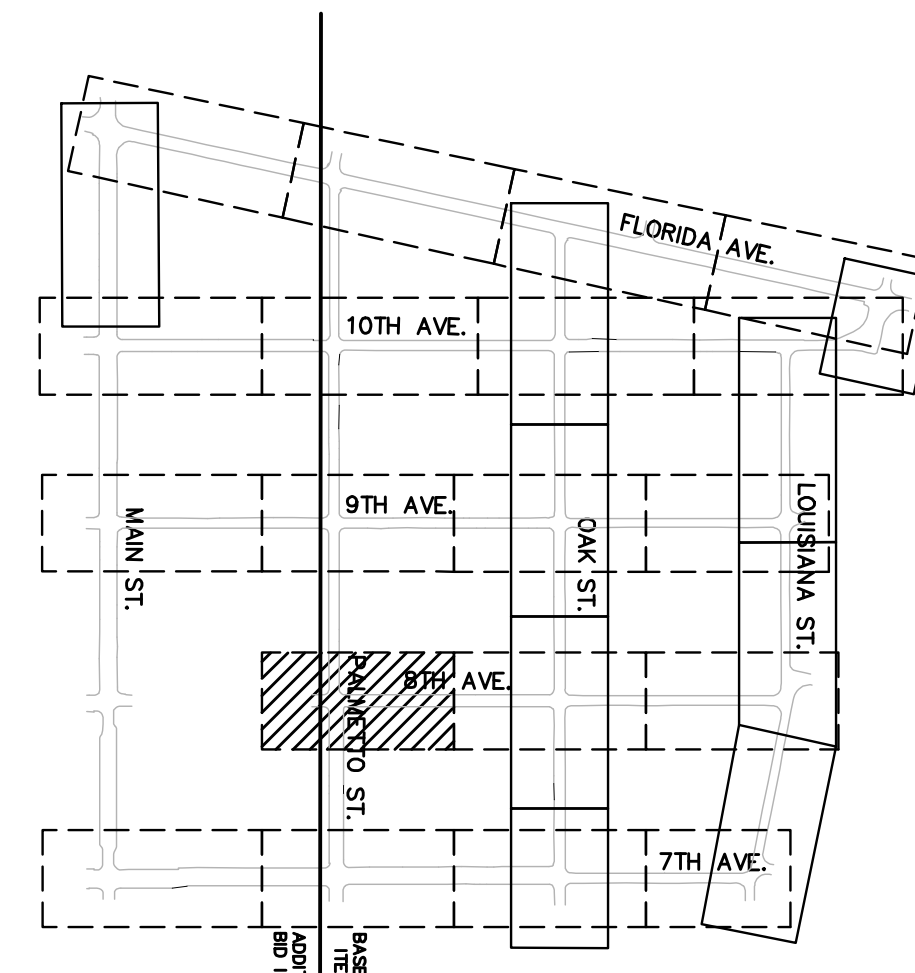
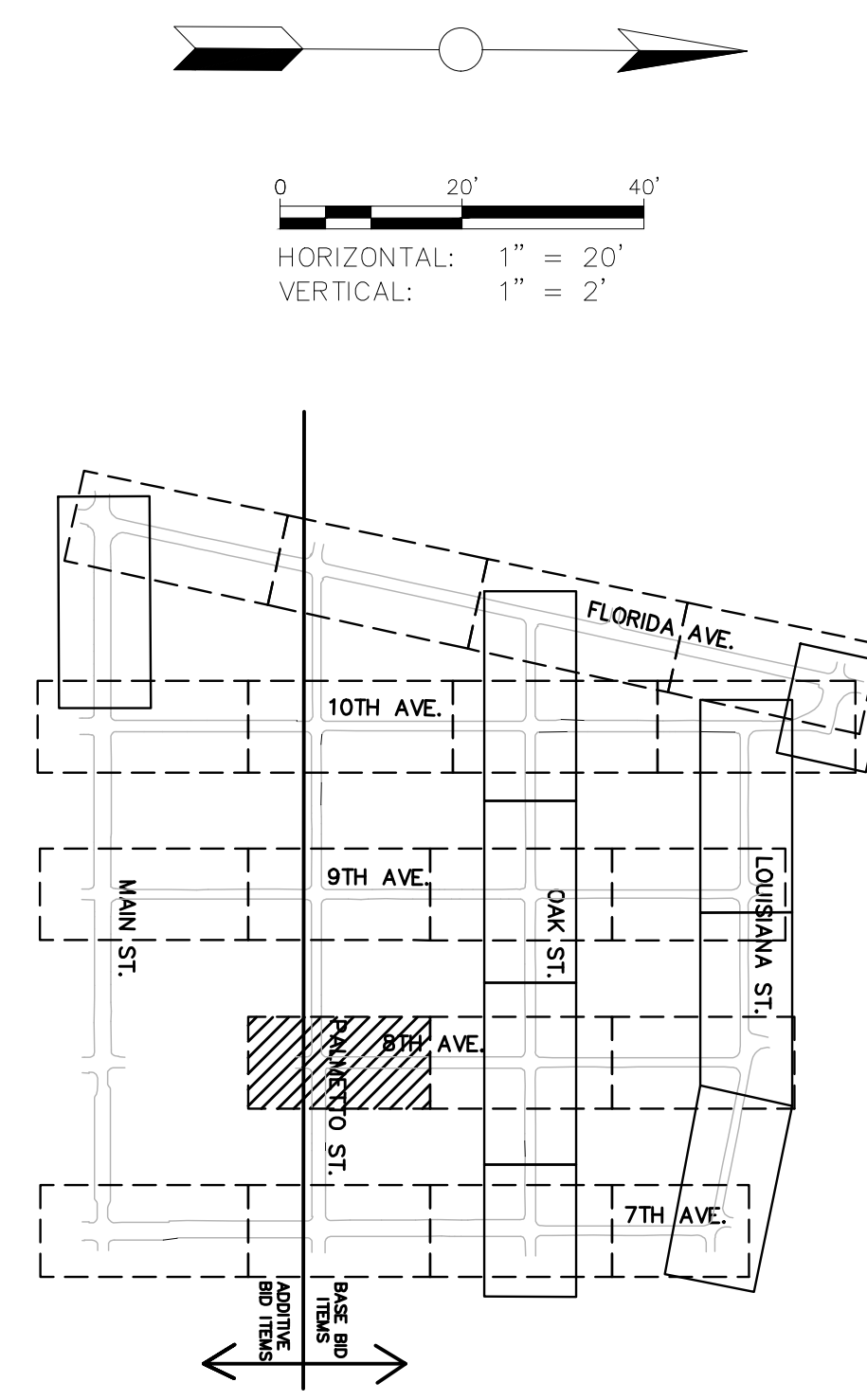
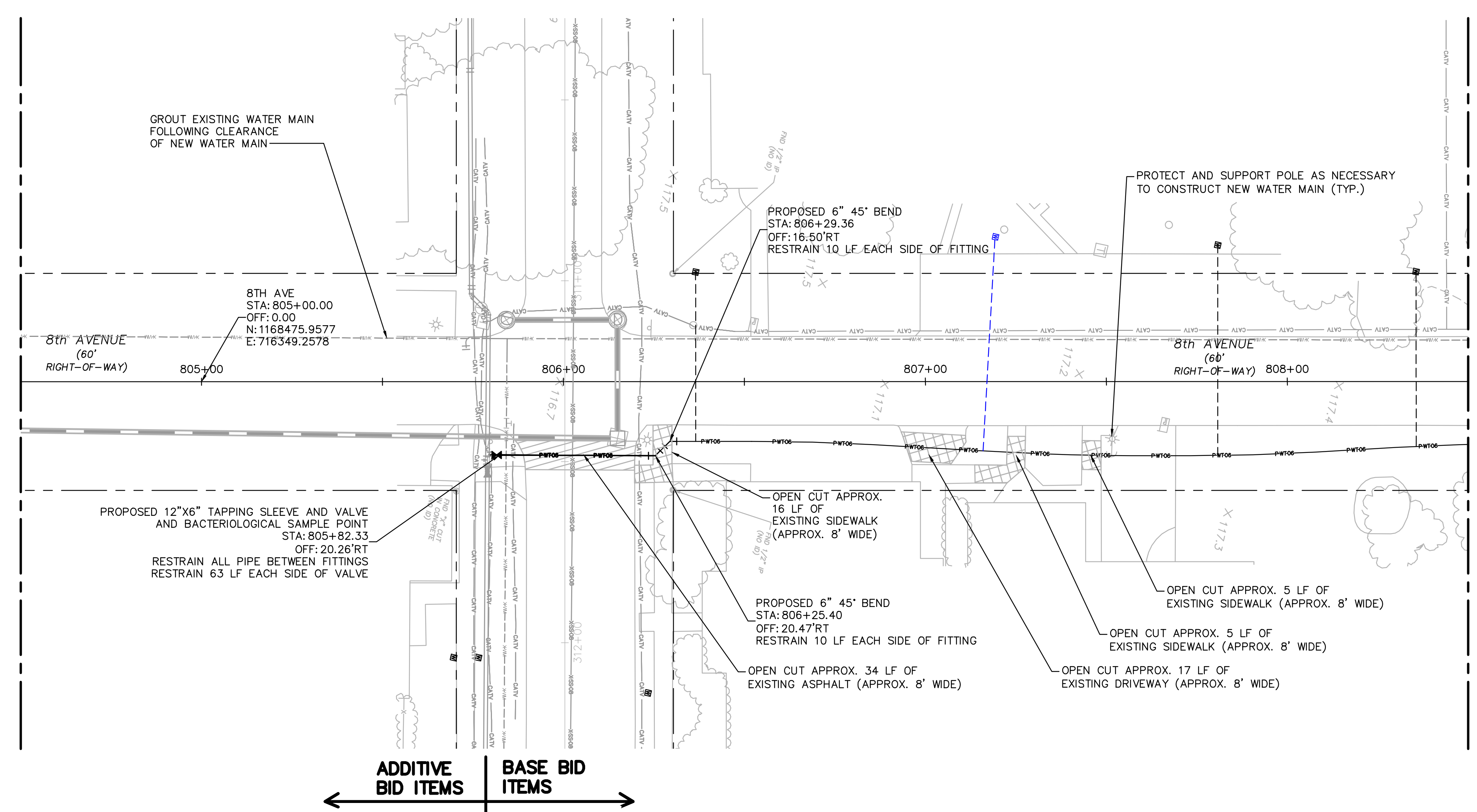
**9TH AVENUE
712+50 - 715+00**

CITY OF WAUCHULA
 SERVICE AREA 3 WATERMAIN
 REHABILITATION
 HARDEE COUNTY FLORIDA

DATE: MAY 2023
 PROJECT NO: 046292031
 SHEET NUMBER: **704**

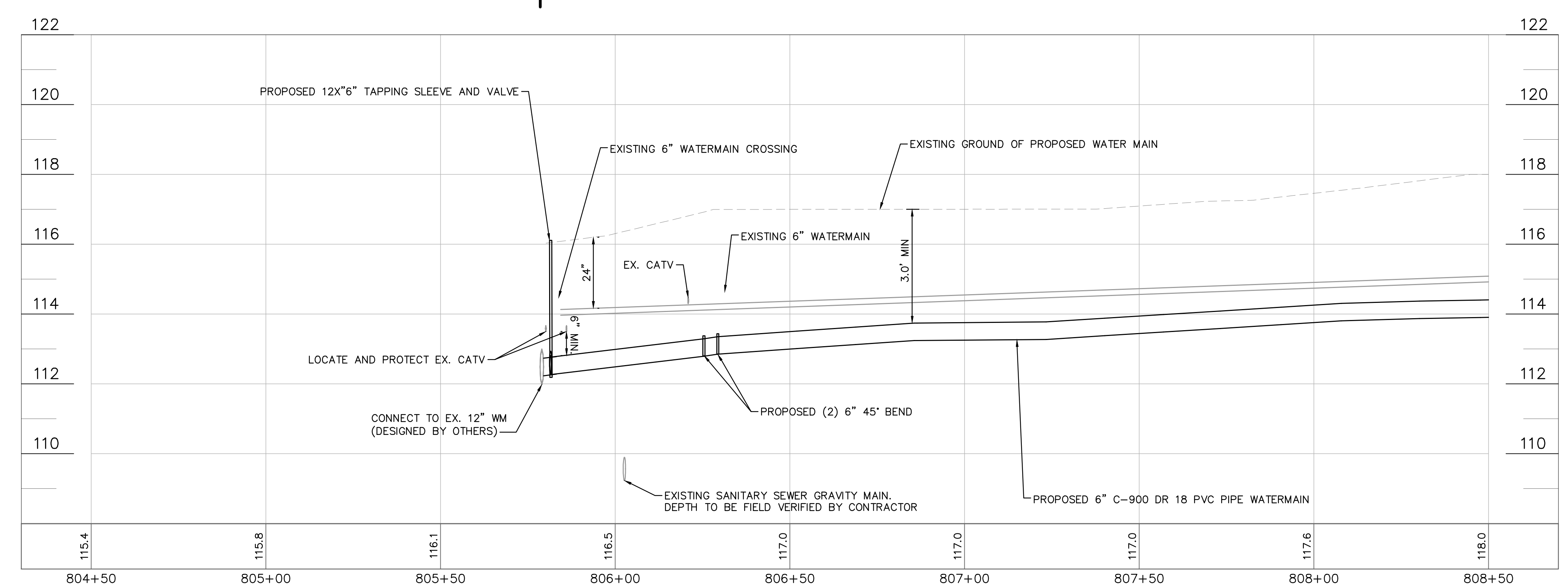
NO.	REVISIONS	DATE	BY

Drawing name: K:\AK_Civil\046292031 - Service Area 3 Phase 2 Revisions\CADD\CONSTR\800 - 8TH AVENUE.dwg 802 Jun 12, 2023 12:38pm by: KAUJA Wallace
 This document, together with the concepts and designs presented herein, is an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and 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.



ADDITIVE BID ITEMS
 BASE BID ITEMS

MATCH LINE SHEET 803



**100% PLAN SET
 NOT FOR CONSTRUCTION**



GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TONDREBULT, P.E. #4396. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602
 PHONE: 813-820-1460
 WWW.KIMLEY-HORN.COM

SCALE: AS NOTED
 DESIGNED BY: JWW
 DRAWN BY: SNH
 CHECKED BY: JRT

CITY OF WAUCHULA
 SERVICE AREA 3 WATERMAIN
 REHABILITATION
 HARDEE COUNTY
 FLORIDA

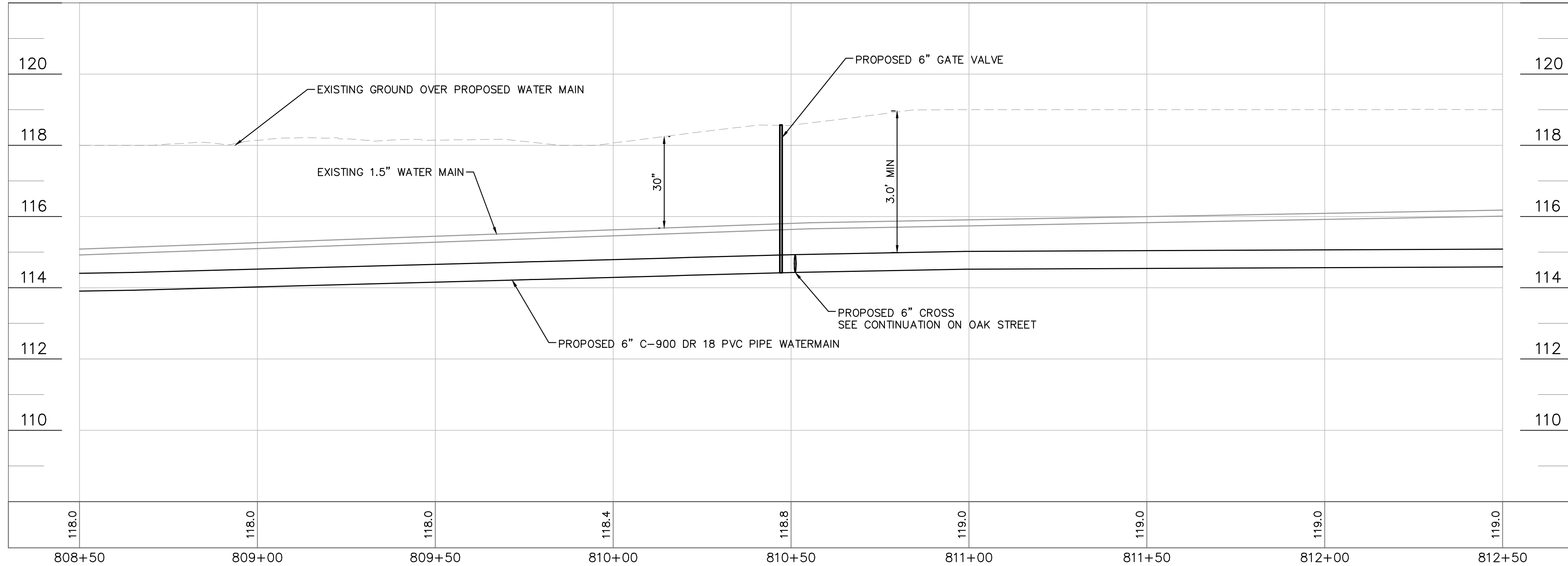
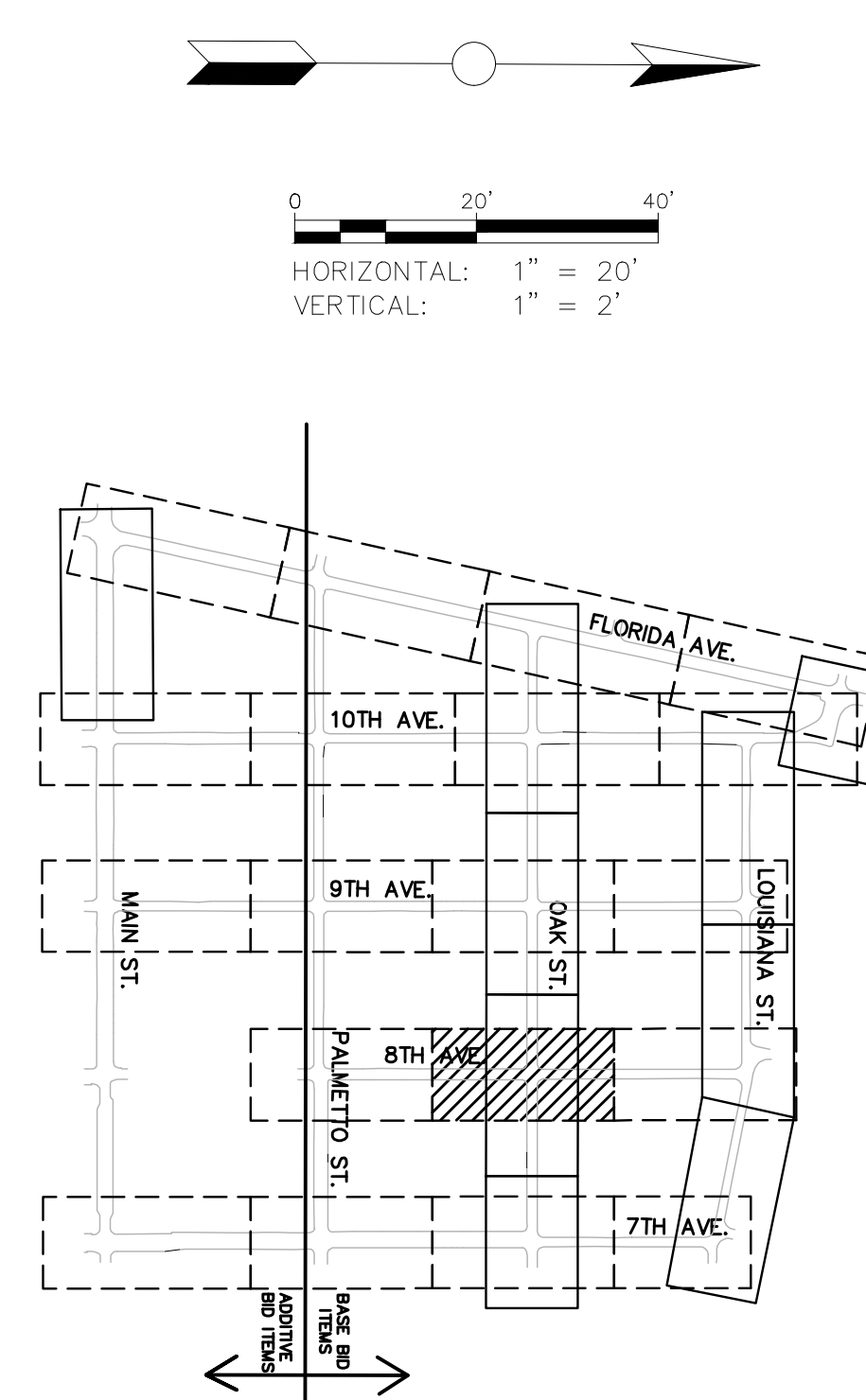
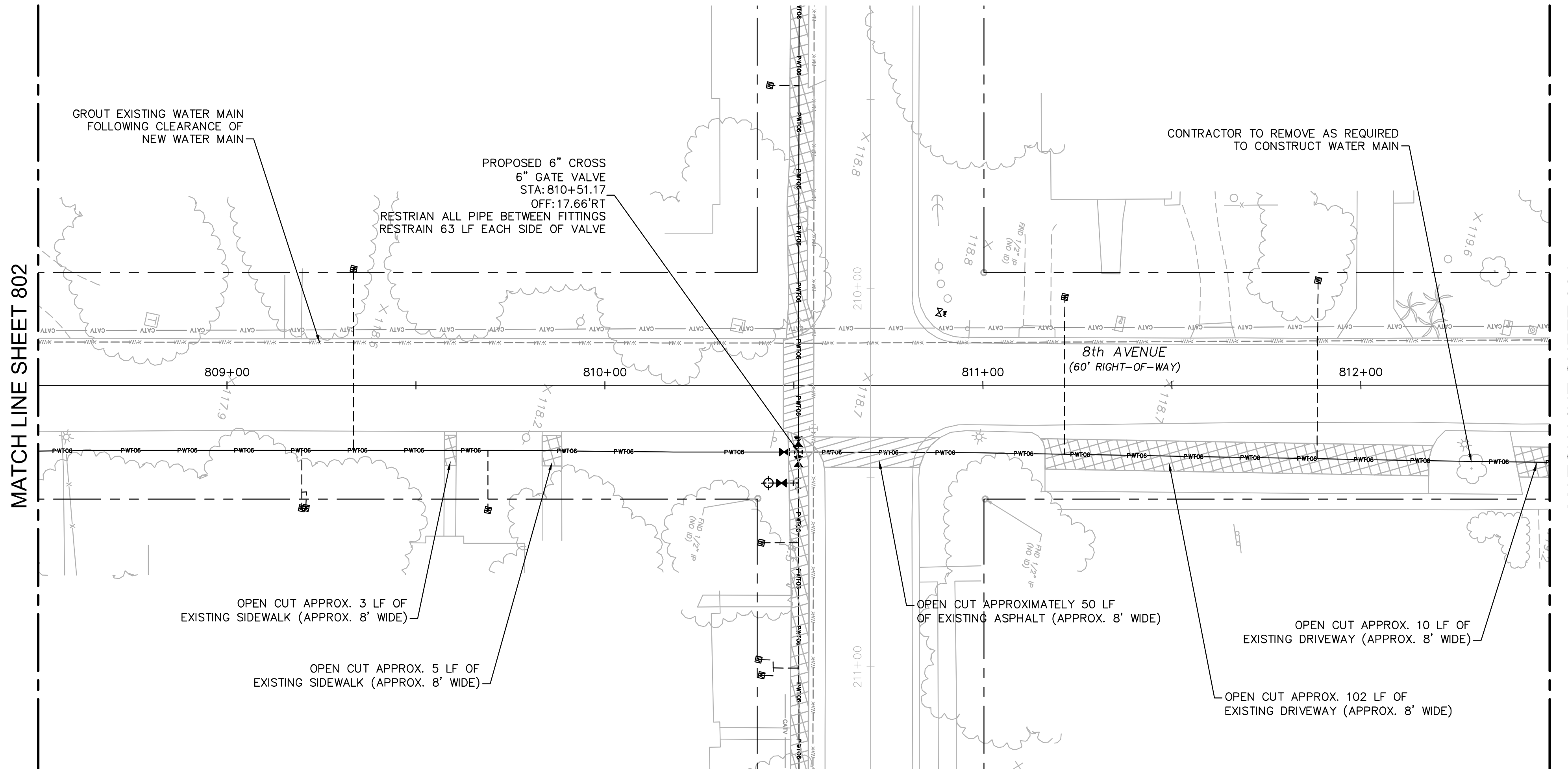
DATE: MAY 2023
 PROJECT NO.: 046292031
 SHEET NUMBER: **802**

No.	REVISIONS	DATE	BY

Drawing name: K:\AK_Civil\046292031 - Service Area 3 Phase 2 Revisions\CADD\CONSTR\800 - 8TH AVENUE.dwg 803 Jun 12, 2023 12:38pm by: KAuja Wallace
 This document, together with the concepts and designs presented herein, is an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and 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.

SEE SHEET 203 FOR CONTINUATION

SEE SHEET 203 FOR CONTINUATION



**100% PLAN SET
NOT FOR CONSTRUCTION**

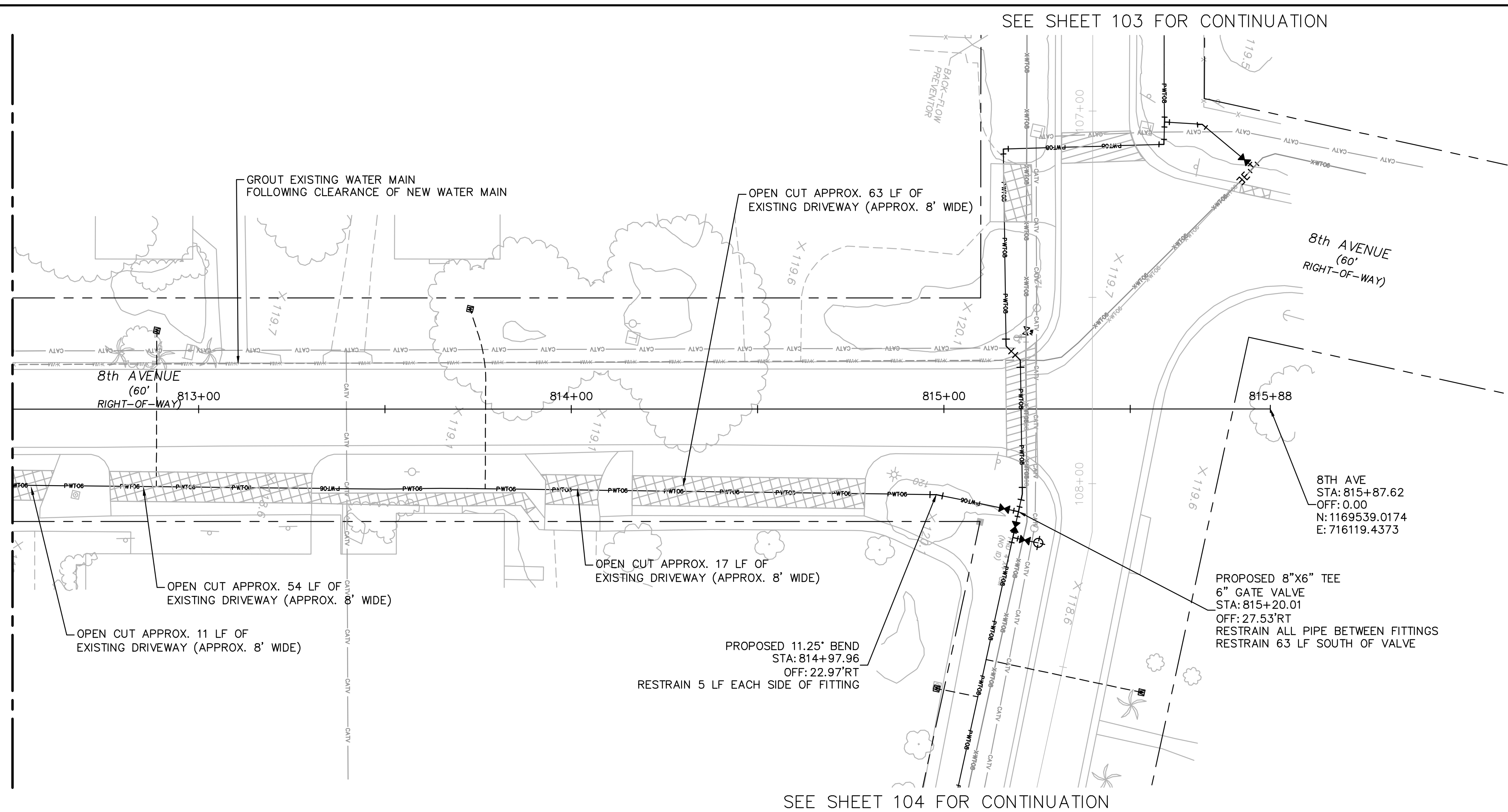


GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

<p>© 2023 KIMLEY-HORN AND ASSOCIATES, INC. 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602 PHONE: 813-820-1460 WWW.KIMLEY-HORN.COM</p>	
<p>SCALE: AS NOTED DESIGNED BY: JWW DRAWN BY: SNH CHECKED BY: JRT</p>	
<p>8TH AVENUE 808+50 - 812+50</p>	
<p>CITY OF WAUCHULA SERVICE AREA 3 WATERMAIN REHABILITATION</p>	
<p>DATE: MAY 2023 PROJECT NO.: 046292031 SHEET NUMBER: 803</p>	
<p>REVISIONS</p>	<p>DATE</p>
<p>No.</p>	<p>BY</p>

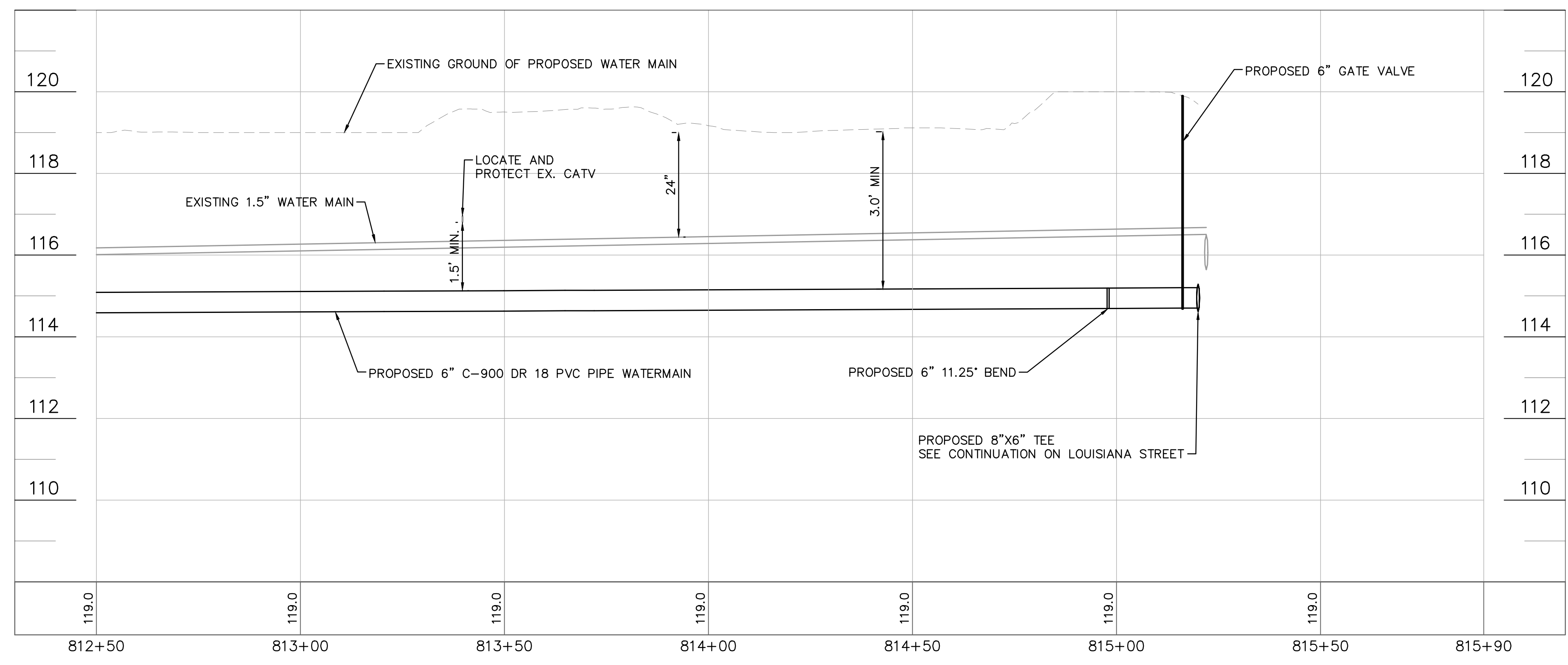
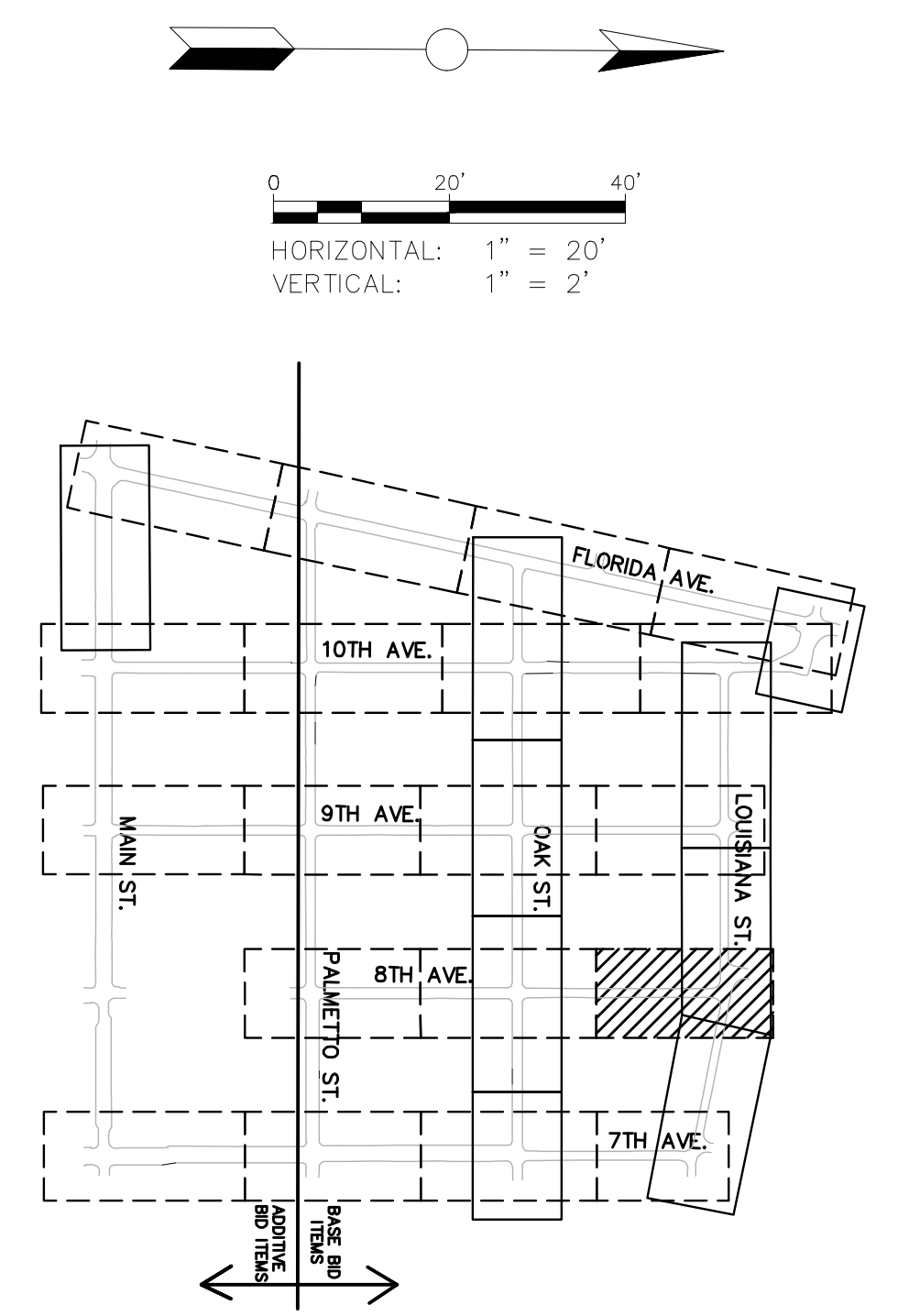
Drawing name: K:\AK_Civil\046292031 - Service Area 3 Phase 2 Revisions\CADD\CONSTR\800 - 8TH AVENUE.dwg 804 Jun 12, 2023 12:39pm by: KAUSA Wallace
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and 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.

MATCH LINE SHEET 803



SEE SHEET 104 FOR CONTINUATION

SEE SHEET 103 FOR CONTINUATION



**100% PLAN SET
NOT FOR CONSTRUCTION**



GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TONDREBULT, P.E. #84396. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602
 PHONE: 813-620-4460
 WWW.KIMLEY-HORN.COM

SCALE: AS NOTED
 DESIGNED BY: JWW
 DRAWN BY: SNH
 CHECKED BY: JRT

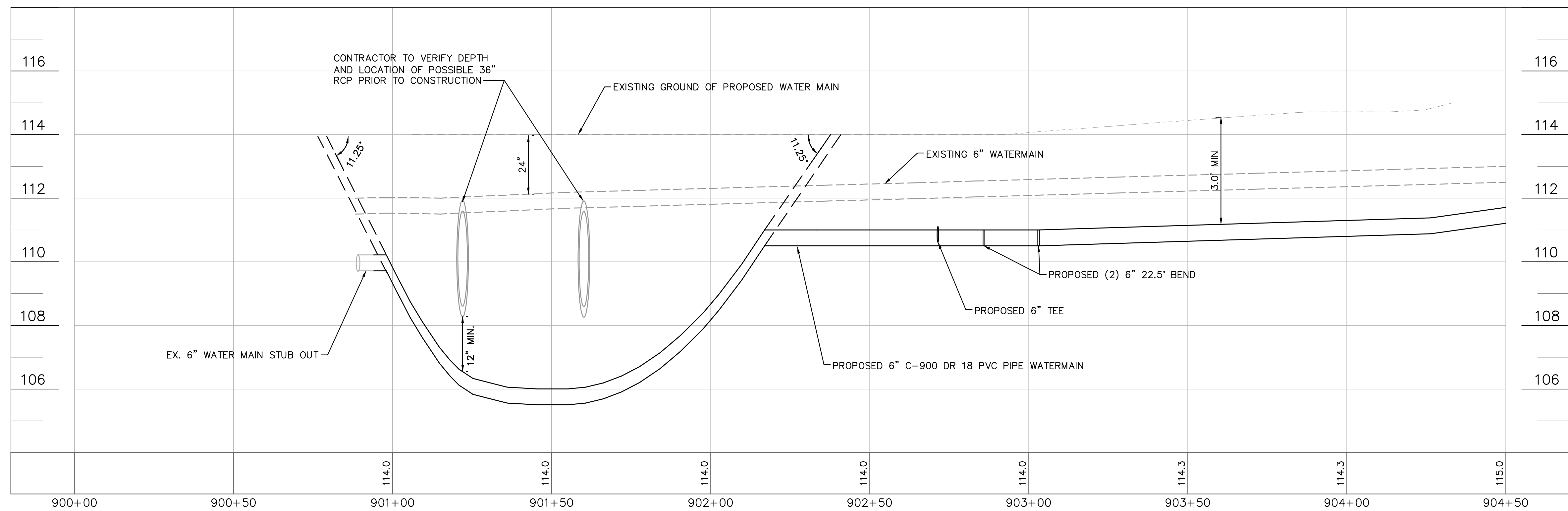
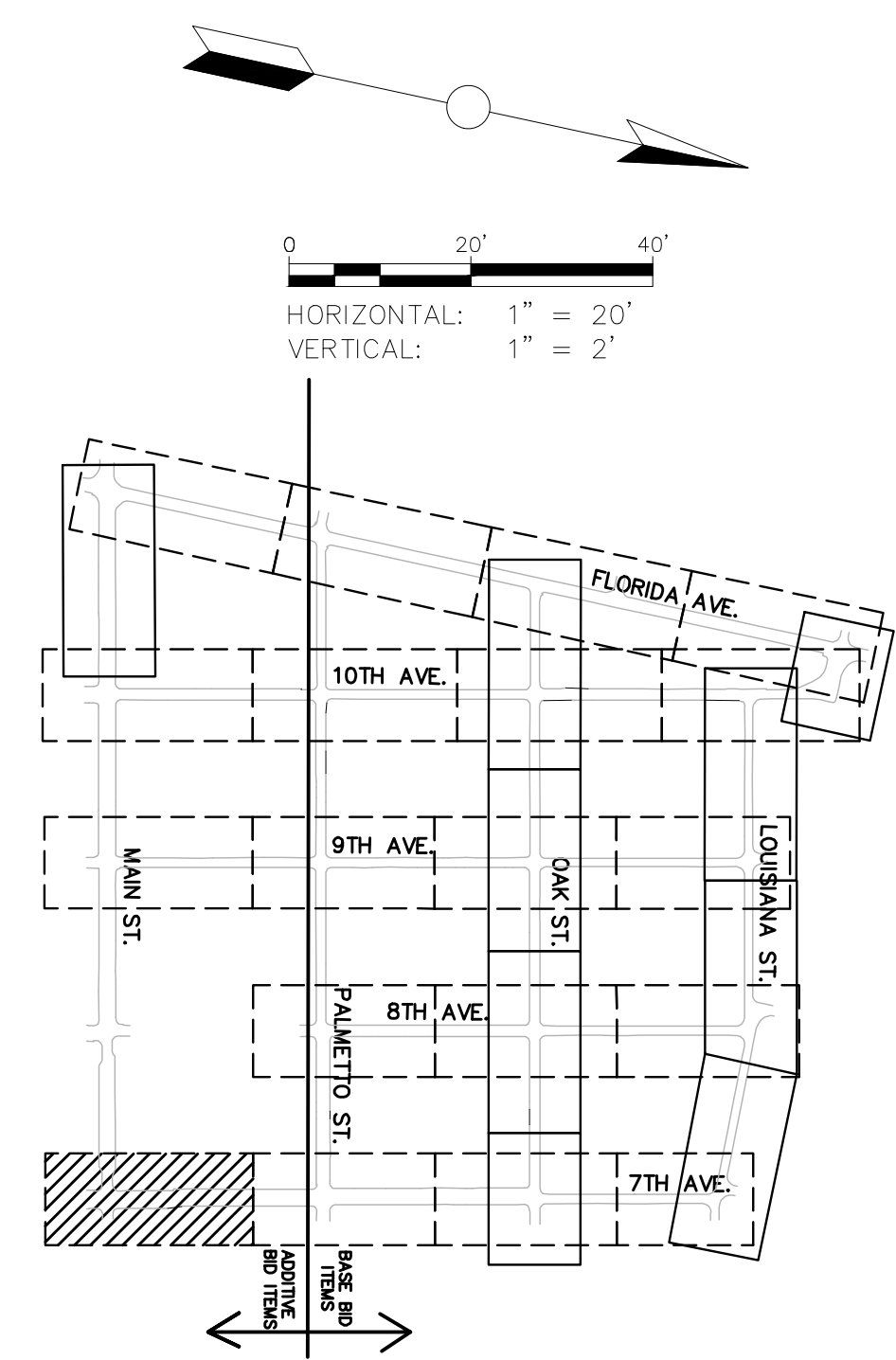
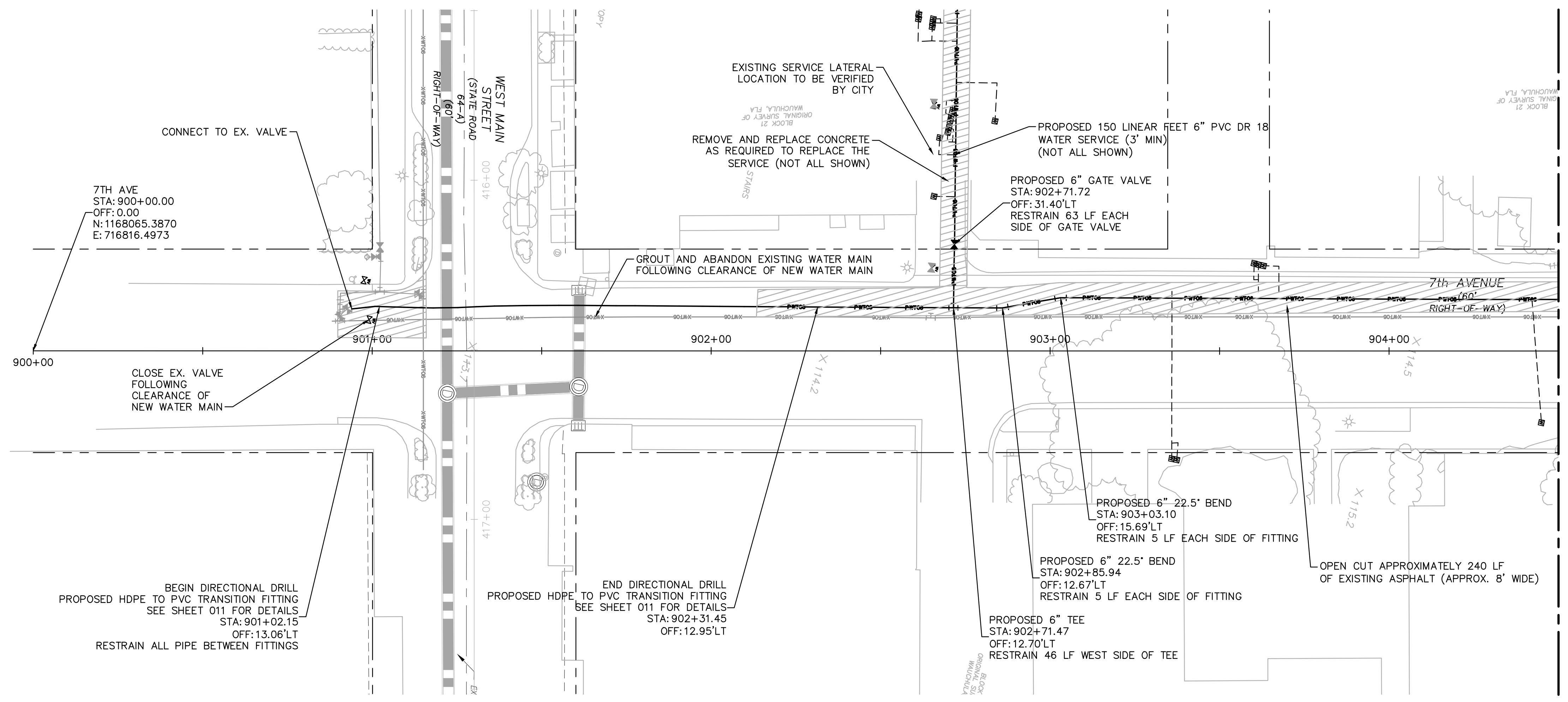
CITY OF WAUCHULA
 SERVICE AREA 3 WATERMAIN
 REHABILITATION
 HARDEE COUNTY
 FLORIDA

8TH AVENUE
 812+50 - 815+88

DATE: MAY 2023
 PROJECT NO: 046292031
 SHEET NUMBER: 804

NO.	REVISIONS	DATE	BY

Drawing name: K:\LAK_Civil\046292031 - Service Area 3 Phase 2 Revisions\CADD\CONSTR\900 - 7TH AVENUE.dwg 901 Jun 12, 2023 12:40pm by: KAUJA, Wallace
 This document, together with the concepts and designs presented herein, is an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and 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.



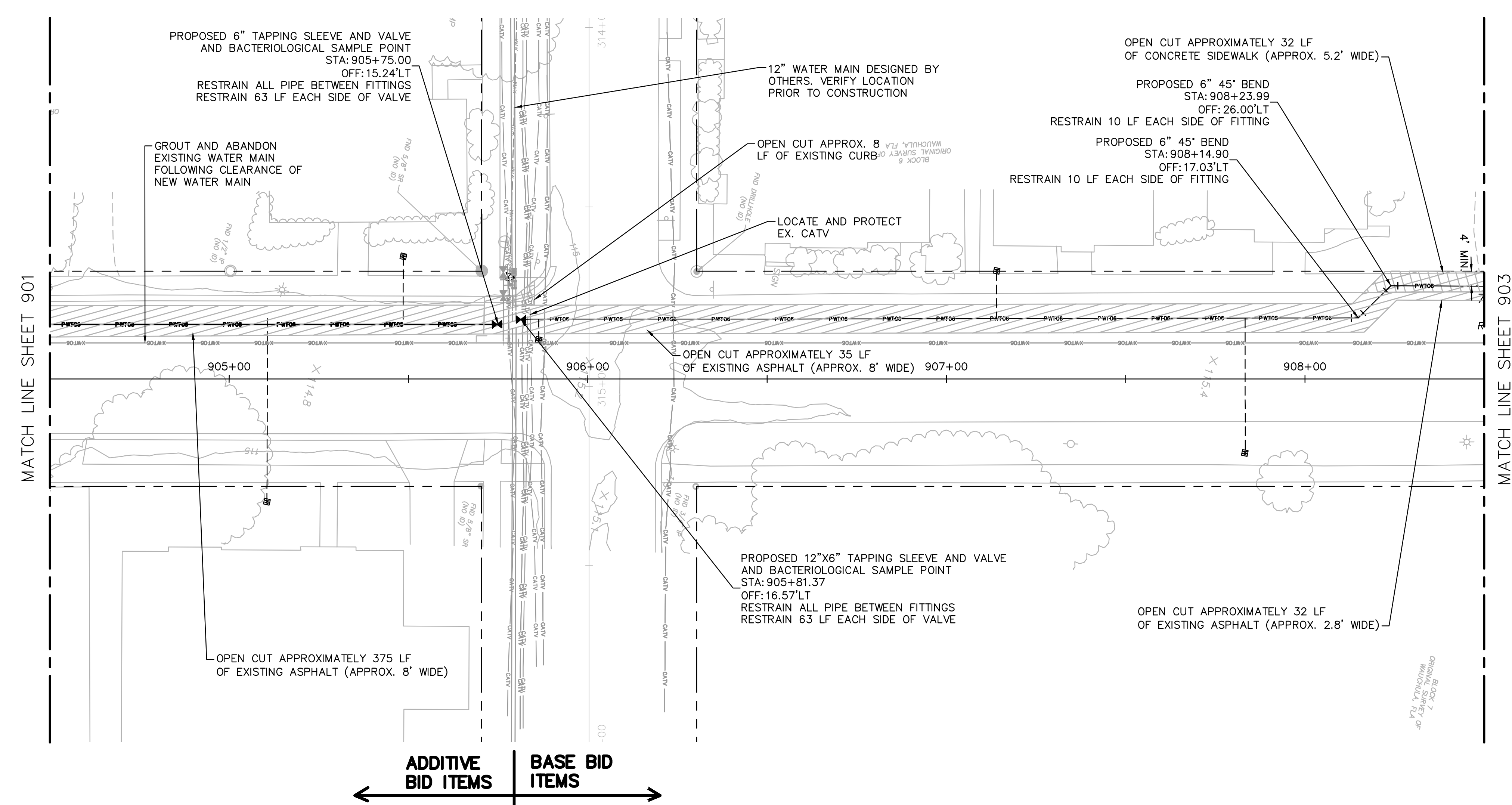
**100% PLAN SET
NOT FOR CONSTRUCTION**



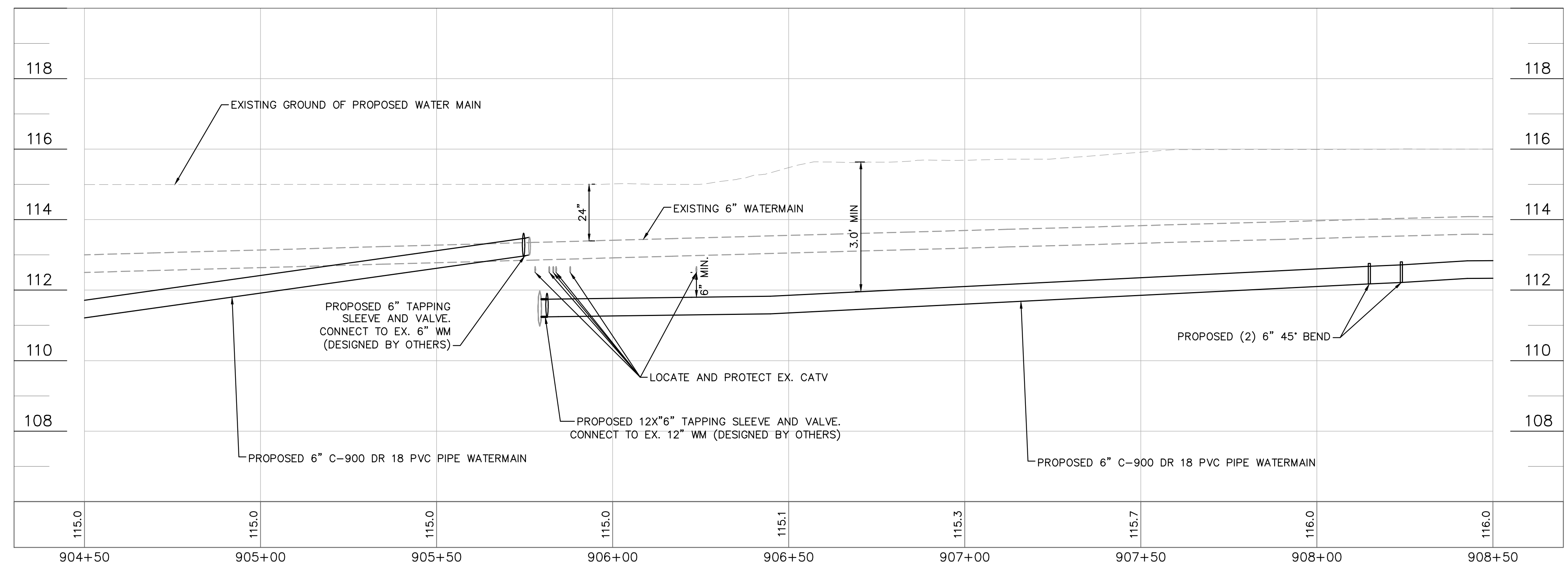
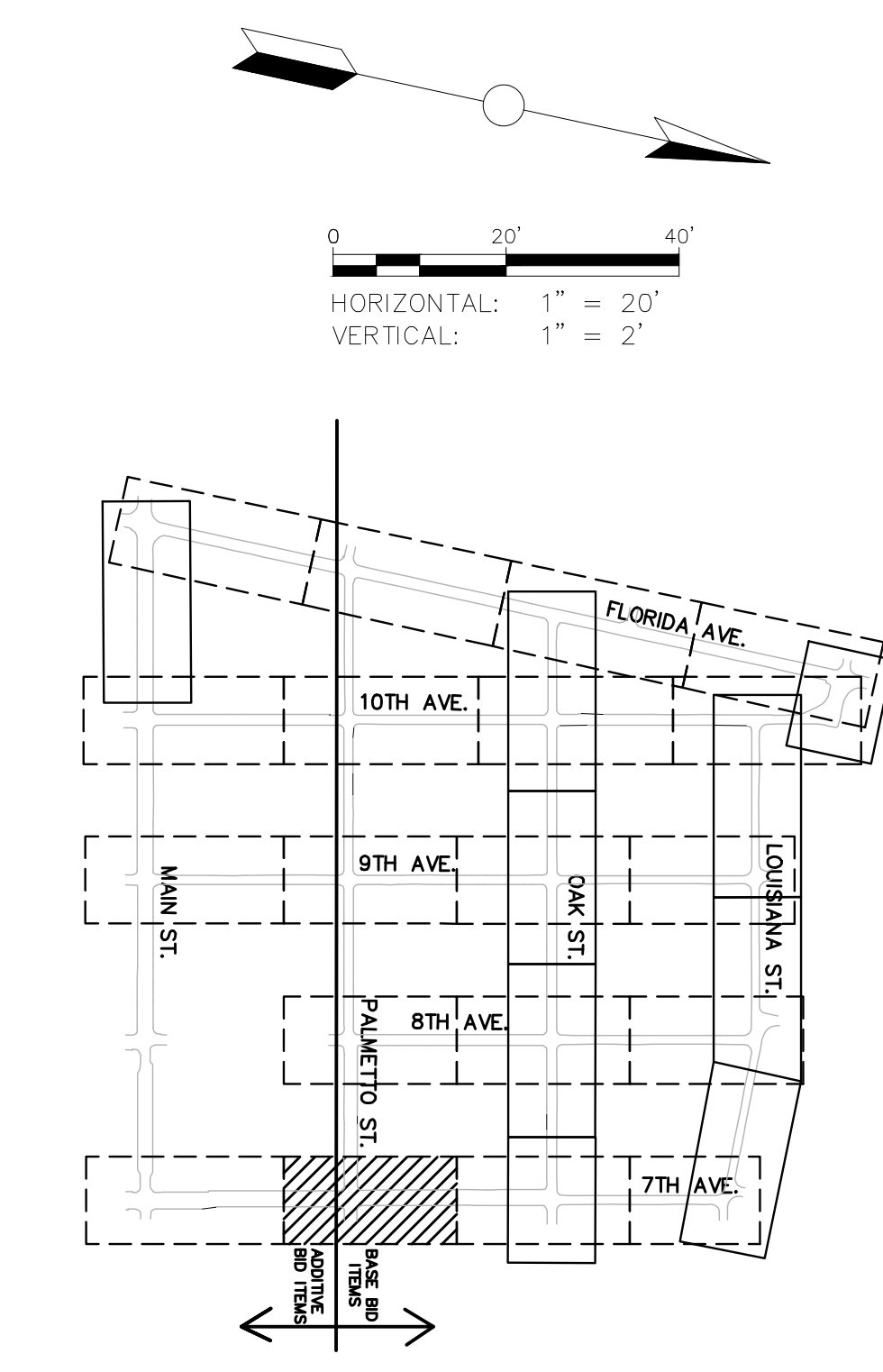
GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

© 2023 KIMLEY-HORN AND ASSOCIATES, INC. 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602 PHONE: 813-620-1460 WWW.KIMLEY-HORN.COM	
SCALE: AS NOTED DESIGNED BY: JWW DRAWN BY: SNH CHECKED BY: JRT	REVISIONS No. DATE BY
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TONOREAULT, P.E. #84396. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	
CITY OF WAUCHULA SERVICE AREA 3 WATERMAIN REHABILITATION HARDEE COUNTY FLORIDA	
7TH AVENUE 900+00 - 904+50 (BID ADDITIVE)	
DATE: MAY 2023 PROJECT NO: 046292031 SHEET NUMBER: 901	DATE: BY

Drawing name: K:\LAK_Civil\046292031 - Service Area 3 Phase 2 Revisions\CADD\CONSTR\900 - 7TH AVENUE.dwg 902 Jun 12, 2023 12:40pm by: KAUJA Wallace
 This document, together with the concepts and designs presented herein, is an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and 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.



← ADDITIVE BID ITEMS | BASE BID ITEMS →



**100% PLAN SET
NOT FOR CONSTRUCTION**

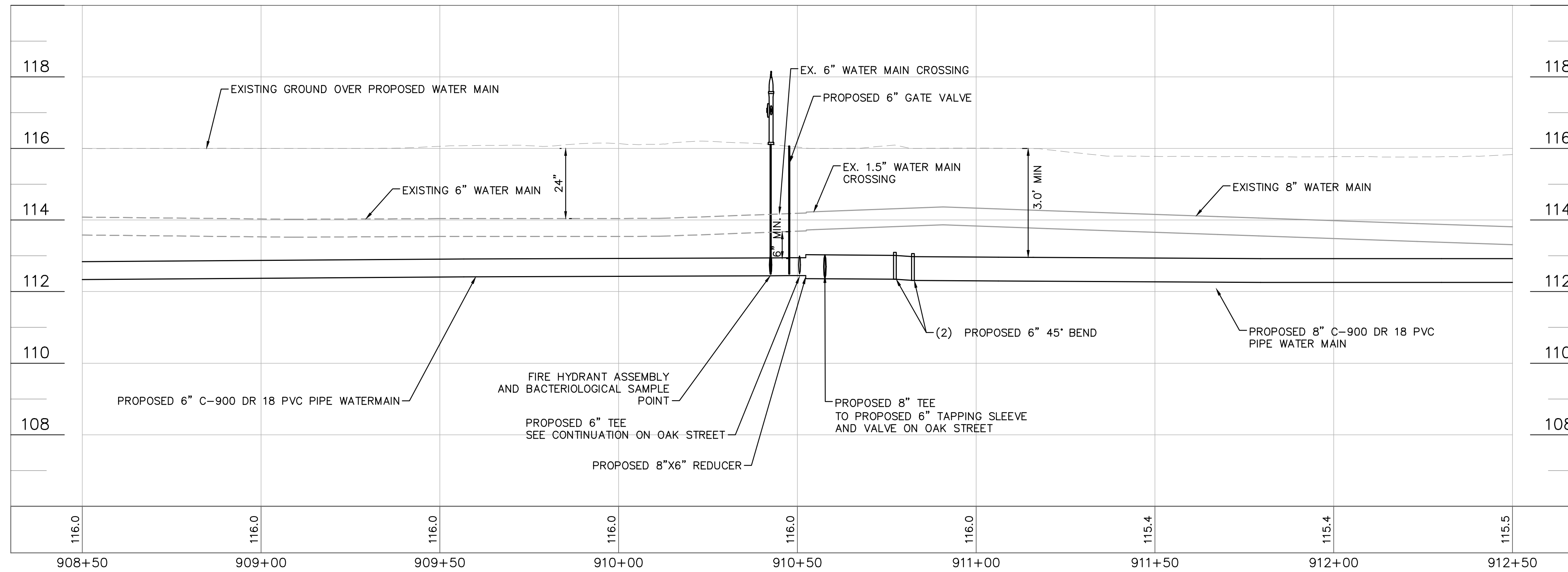
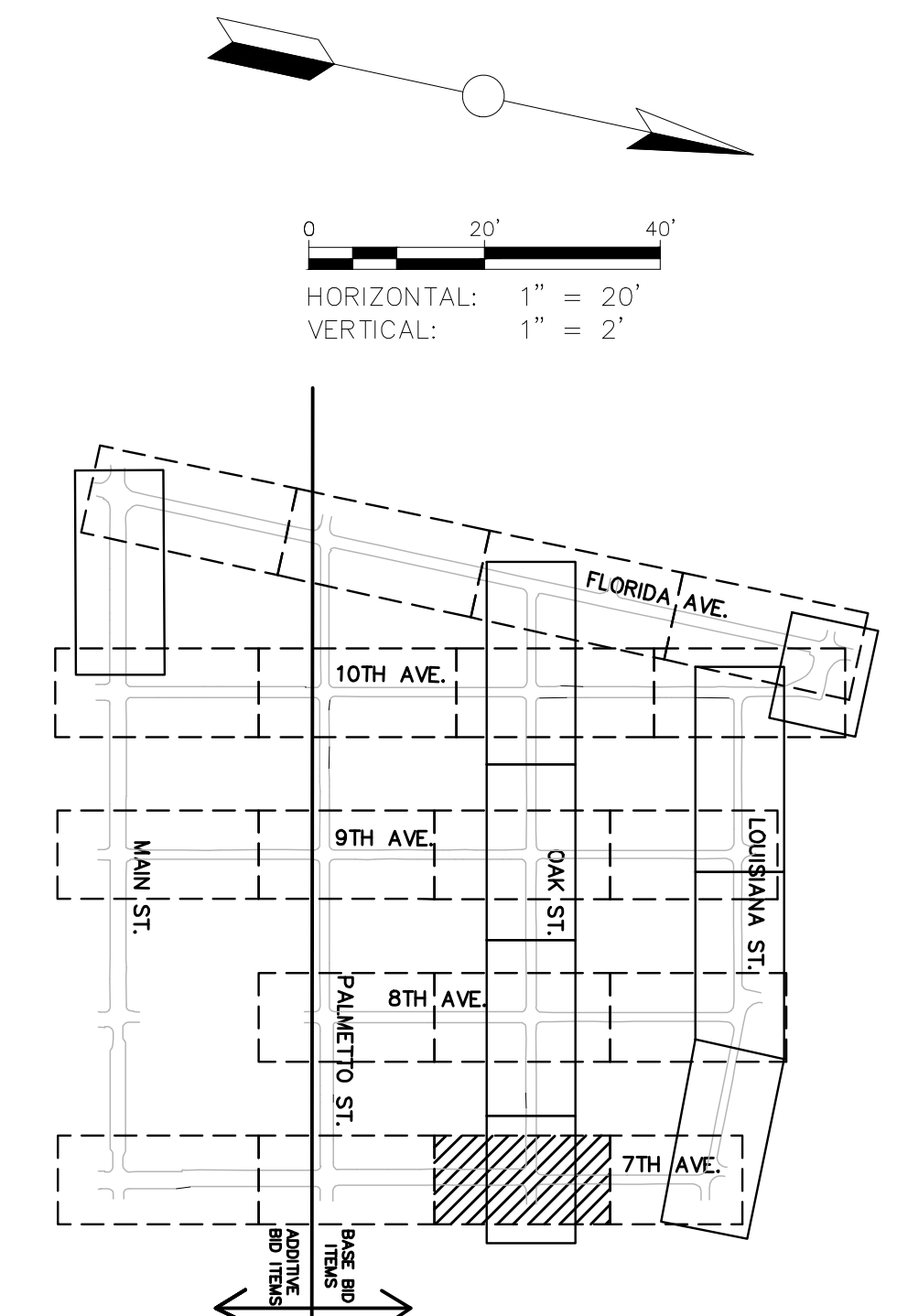
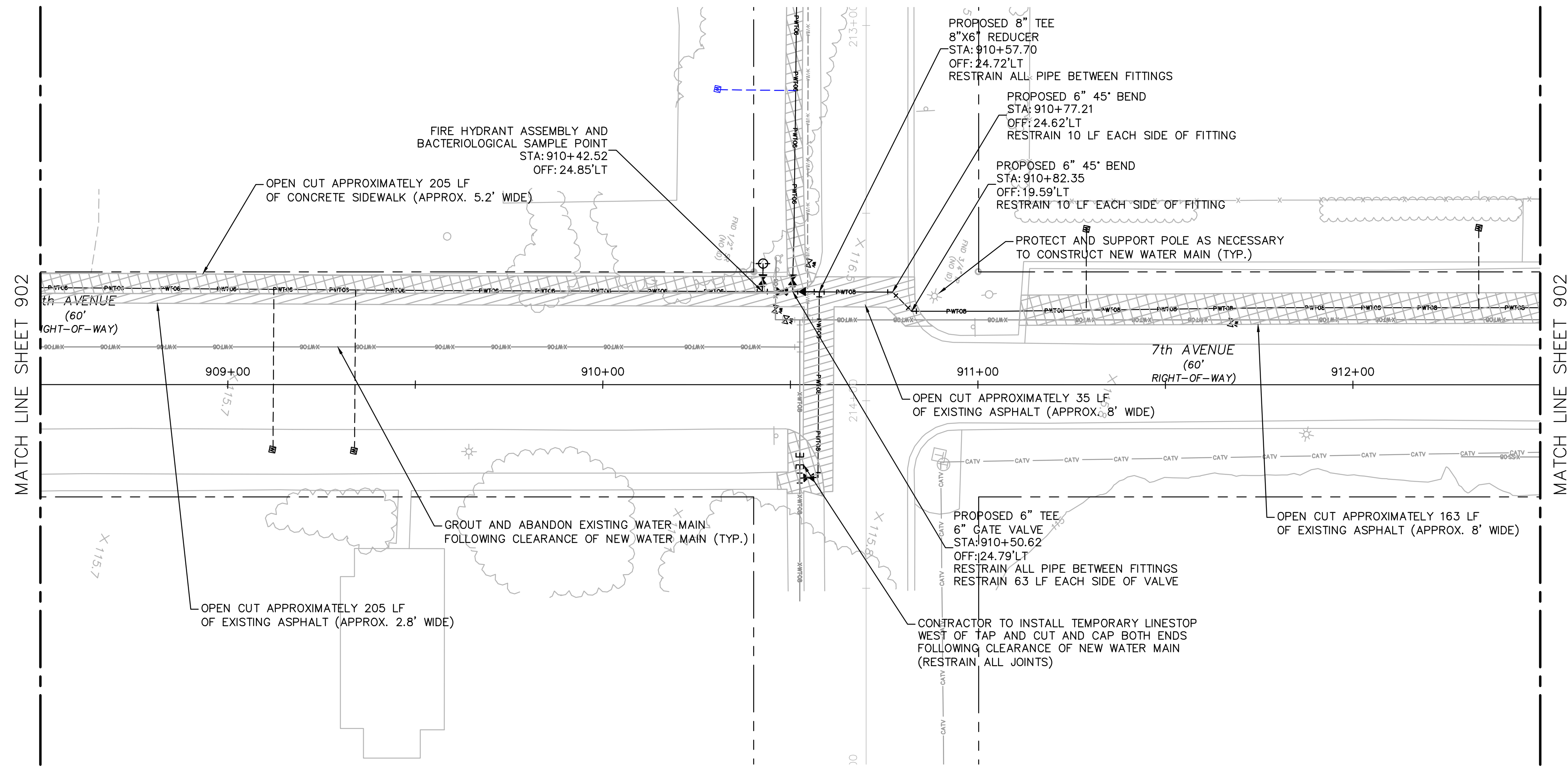


GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

© 2023 KIMLEY-HORN AND ASSOCIATES, INC. 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602 PHONE: 813-620-1460 WWW.KIMLEY-HORN.COM	
SCALE: AS NOTED DESIGNED BY: JWW DRAWN BY: SNH CHECKED BY: JRT	CITY OF WAUCHULA SERVICE AREA 3 WATERMAIN REHABILITATION HARDEE COUNTY FLORIDA
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TOMPSETT, P.E. #84396. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	
DATE: MAY 2023 PROJECT NO.: 046292031 SHEET NUMBER: 902	REVISIONS: _____ DATE: _____ BY: _____

Drawing name: K:\LAK_Civil\046292031 - Service Area 3 Phase 2 Revisions\CADD\CONSTR\900 - 7TH AVENUE.dwg 903 Jun 12, 2023 12:40pm by: KAuja Wallace
 This document, together with the concepts and designs presented herein, is an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and 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.

SEE SHEET 204 FOR CONTINUATION



**100% PLAN SET
NOT FOR CONSTRUCTION**



GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TONDREBULT, P.E. #84396. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602
 PHONE: 813-620-4460
 WWW.KIMLEY-HORN.COM

SCALE: AS NOTED
 DESIGNED BY: JWW
 DRAWN BY: SNH
 CHECKED BY: JRT

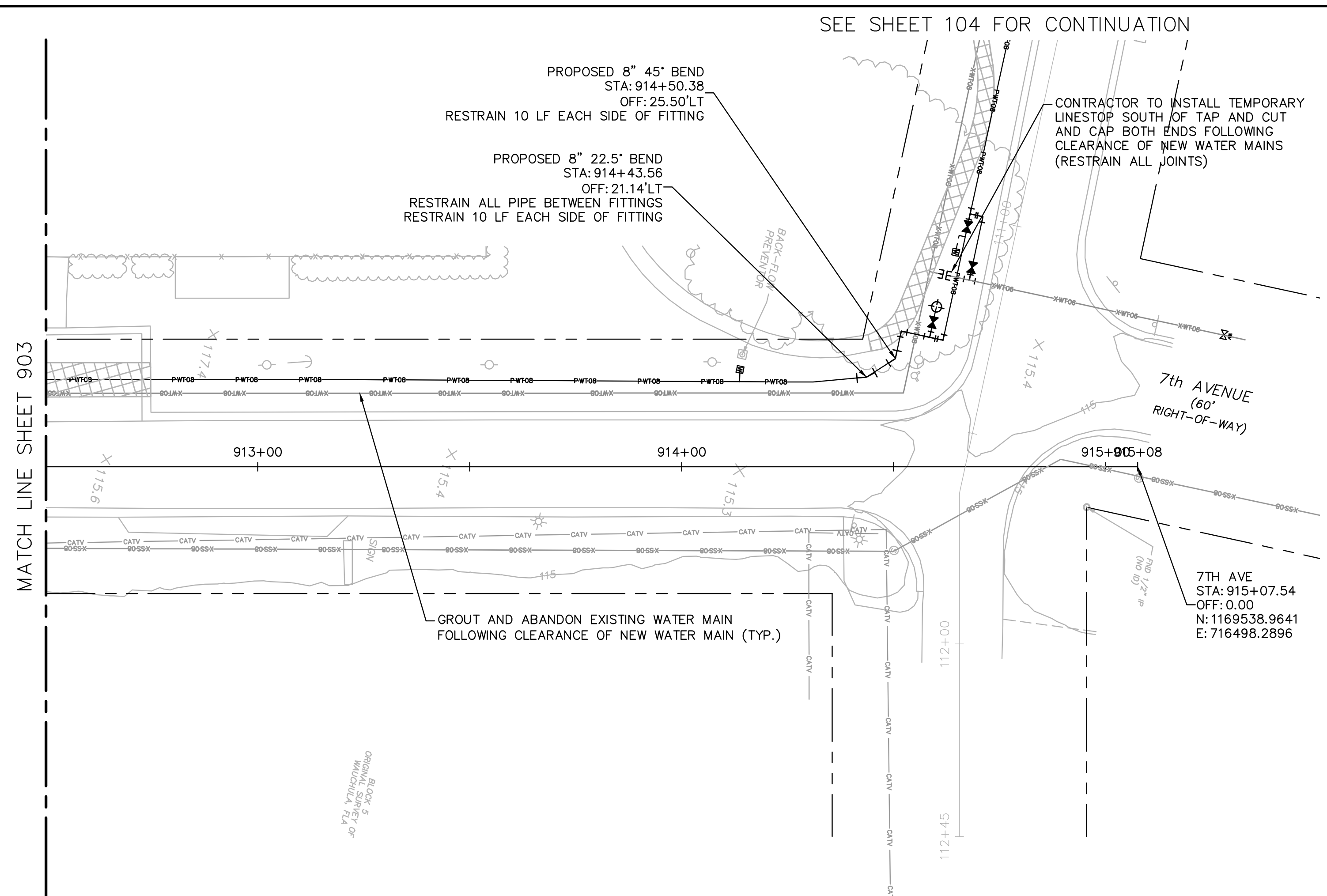
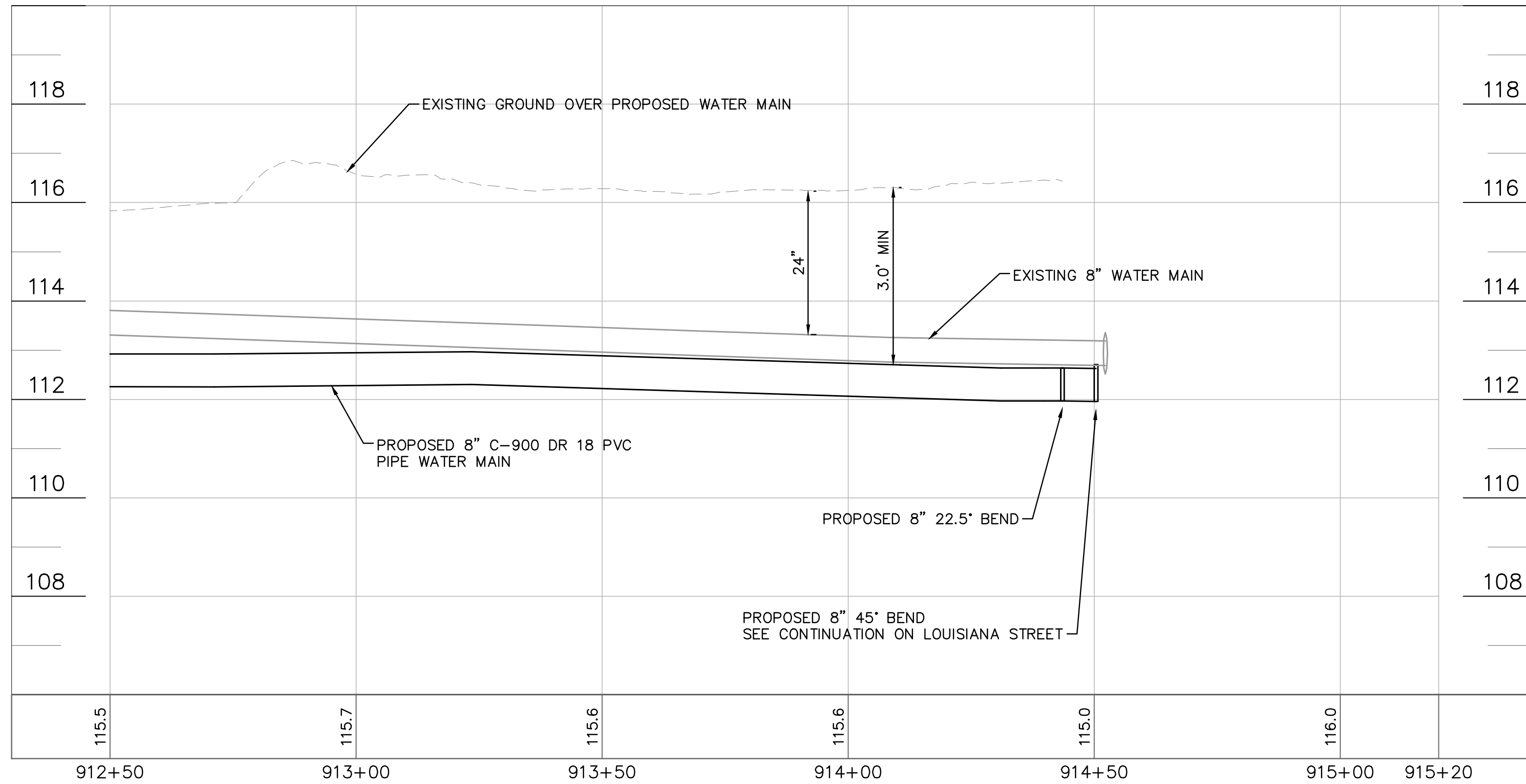
CITY OF WAUCHULA
 SERVICE AREA 3 WATERMAIN
 REHABILITATION
 HARDEE COUNTY
 FLORIDA

7TH AVENUE
 908+50 - 912+50

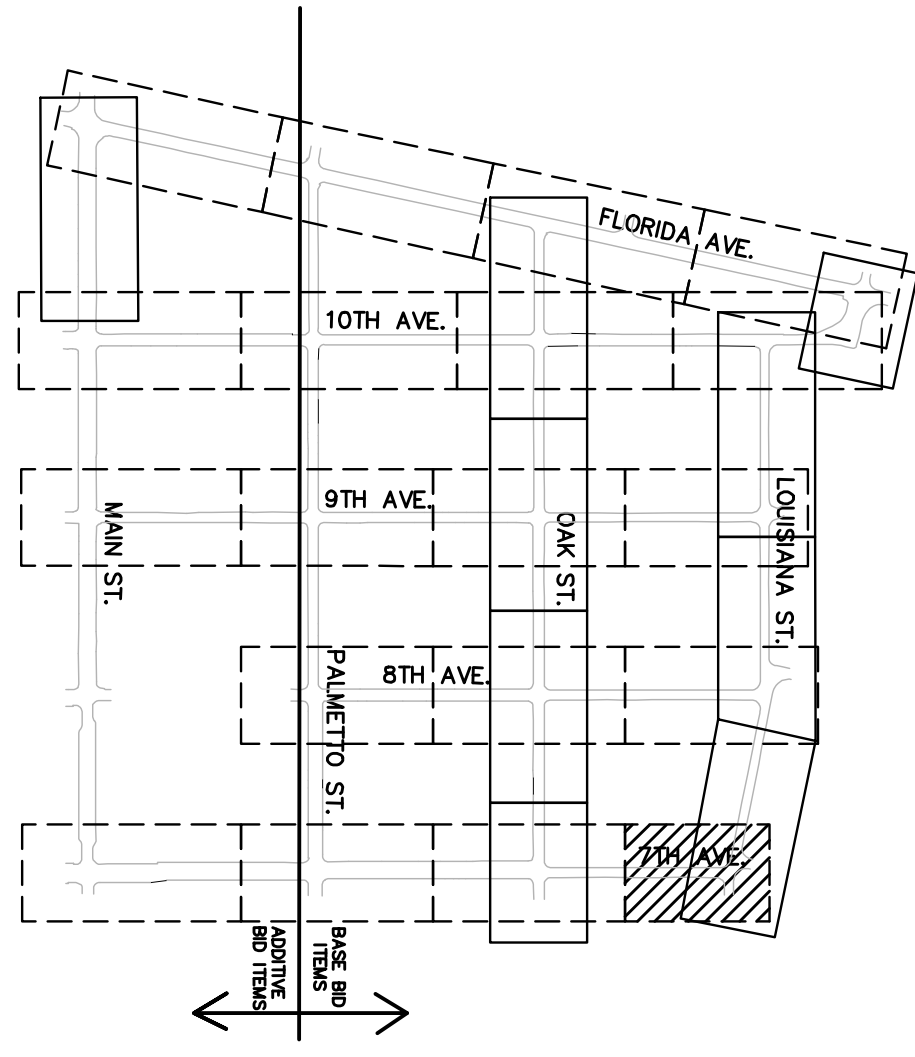
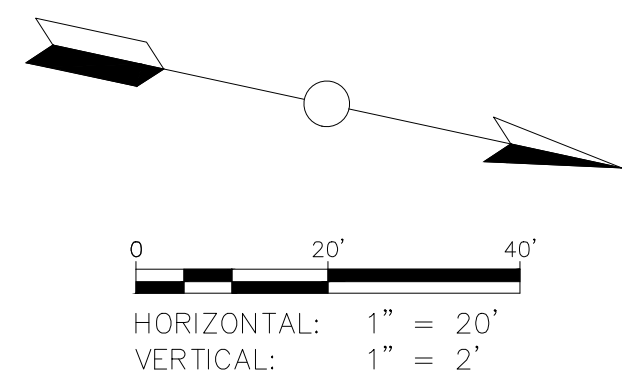
DATE: MAY 2023
 PROJECT NO: 046292031
 SHEET NUMBER: 903

NO.	REVISIONS	DATE	BY

Drawing name: K:\AK_Civil\046292031 - Service Area 3 Phase 2 Revisions\CADD\CONSTR\900 - 7TH AVENUE.dwg 904 Jun 12, 2023 12:41pm By: KAujo Wallace
 This document, together with the concepts and designs presented herein, is an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and 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.



SEE SHEET 104 FOR CONTINUATION



**100% PLAN SET
NOT FOR CONSTRUCTION**

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMISON R. TONDREAU, P.E. #84396. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

<p>Kimley»Horn</p> <p style="font-size: x-small;">© 2023 KIMLEY-HORN AND ASSOCIATES, INC. 655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602 PHONE: 813-820-1460 WWW.KIMLEY-HORN.COM</p>	<p>Professional Engineer</p> <p style="font-size: x-small;">JAMISON R. TONDREAU No. 84396 STATE OF FLORIDA PROFESSIONAL ENGINEER</p>
<p>CITY OF WAUCHULA</p> <p>SERVICE AREA 3 WATERMAIN REHABILITATION</p> <p style="font-size: x-small;">FLORIDA HARDEE COUNTY</p>	<p>7TH AVENUE</p> <p>912+50 - 915+08</p>
<p>SCALE: AS NOTED</p> <p>DESIGNED BY: JWW</p> <p>DRAWN BY: SNH</p> <p>CHECKED BY: JRT</p>	<p>DATE: MAY 2023</p> <p>PROJECT NO.: 046292031</p> <p>SHEET NUMBER: 904</p>



GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.