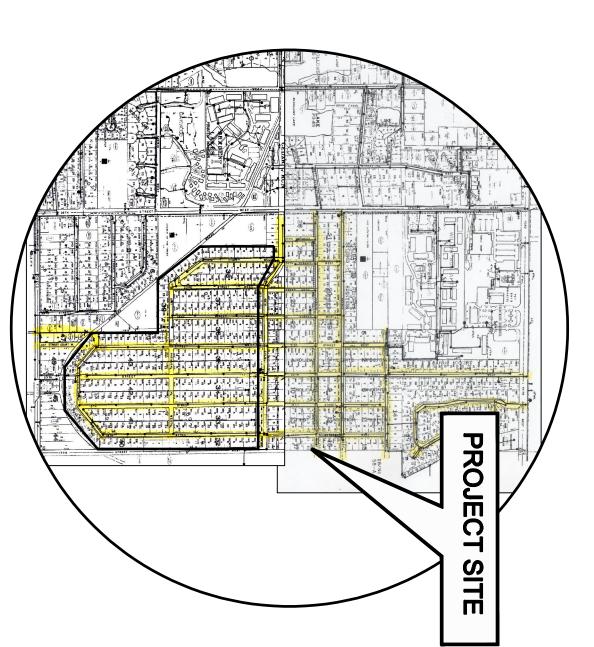
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PROJECT MAP N.T.S.



JEIGHT ິ NATEE COUNTY PROJECT NO. 6074970 ATEE COUNTY, FLORIDA - PHASE 3 WATER MAIN REF

05 AM PLOTTED BY: ELLIS, DAVID WA #11 HOLIDAY HEIGHTS\CADD\PLANS\PHASE 3\G-1 COVER SHEET.DWG

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NOVEMBER, 2009

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MANATEE COUNTY GOVERNMENT MANATEE COUNTY, FLORIDA FOR

HOLIDAY HEIGHTS WATER MAIN REPLACEMENT

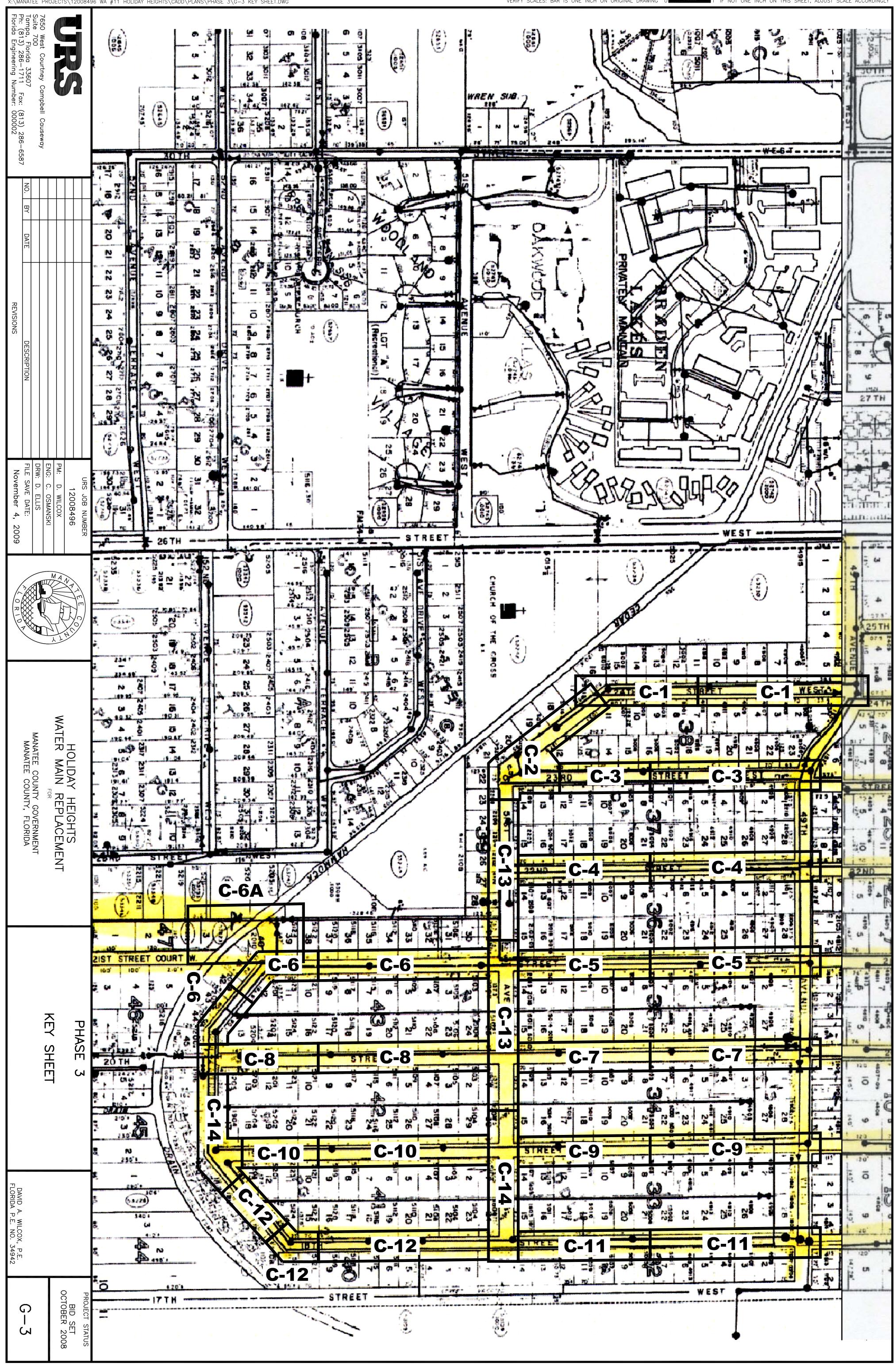
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DAVID A. WILCOX, P.E. FLORIDA P.E. NO. 34942				S N			F.		
G– 1		HOLIDAY HEIGHTS F	PHASE 3 WATER MAIN REPLACEMENT, PRO	JECT NO.	6074970, NOV.	2009, 100% S	SUBMITTAL		

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7650 West Courtney Campbell Causeway Suite 700 Tampa, Florida 33607 Ph: (813) 286–1711 Fax: (813) 286–6587 NO. BY DATE DESCRIPTION Florida Engineering Number: 000002 REVISIONS	 CONTRACTOR IS TO PROVIDE EROSION CONTROL/SEDMENTATION BARRIER (HAY BALES OR SILIATION CURTAN) TO PREVENT SILIATION OF ADJACENT PROPERTY STREETS, STORK SERRES, AND WATERWAYS, F. IN THE OPHILIAR EARTH ARE TRANSPORTED OF -SIL EARTH TO THE SILFACTION OF THE ENGLINE RANDON TRAFFIC, THE CONTRACTOR SHALL PROVIDE ROUTINE MAINTERAFFIC, THE CONTRACTOR SHALL PROVIDE ROUTINE MAINTERAFFIC, THE CONTRACTOR SHALL PROVIDE ROUTINE MAINTERAFFIC, THE CONTRACTOR SHALL PROVIDE ROUTINE MAINTERNANCE OF FREMANENT AND TREPORTER STOREMOUTH. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE EXISTING DRAINAGE SYSTEM WITH HE UNITS OF THE PROJECT (AEA, FOR THE DURATION OF THE PROJECT IN ADDITIONAL PAYMENT WILL BE MODE FOR THE WORK INVOLVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPARING ANY DAMAGE TO EXISTING FACILITES, ABOVE OR BELOW GROUND THAT MAY OCCUR AS A RESULT OF THIS WORK PERFORMED IN THIS CONTRACT GROUND THAT MAY OCCUR AS A RESULT OF THIS WORK PERFORMED IN THIS CONTRACT CONFORET FOR A REQUIRED BY ADJUSTING THE WATER MAIN. THE SWEER MAIN SHALL BE ENALS IN MUST BE USED TO PROVIDE A MINIMUM SEPARATION OF THE DEVISITION FACILITIES, AND WATER MAINS STRUCTERED AS FAR APART AS POSSIBLE WITH NOT LESS THAN TO FEE MEREN ANITARY SEWERS AND WATER MAINS STRUCTURAL SUPPORTS FOR THE MAINANY DE REDURTS. AND THE WATER MAIN PER JOINTS AND THE WATER MAIN WITH 20 FEET OF THE CONSUL OF THE ENVERT AND THE WATER MAIN PER JOINTS AND SEWERS, FOR CHAINS AND RECLAMED WITH AND FEET SEWER SANTARY SEWERS STORM SEWERS, FORCE MAINS AND RECLAMED WATER MAINS AT THE CONSUL ANY TWO JOINTS. ALL JOINTS AND SEWERS, FORCE MAINS AND RECLAMED WATER MAINS AT THE CONSULT SETS. AND SEWERS, FORCE MAINS AND RECLAMED WATER MAINS AT THE CONSULT SETS. AND SEWERS, FORCE MAINS AND RECLAMED WATER MAINS AT THE CONSULT SETS. AND SEWERS, FORCE MAINS AND RECLAMED WATER MAINS AT THE CONSULT SETS. SECOND SEWERS, FORCE MAINS AND RECLAMED WATER MAINS AT THE CONSULTY. THE SANTARY SEWERS STORM SEVERS. FORCE MAINS AND RECLAMED WATER MAINS AT	LAND 20852 PH. (301 CONTRACTOR(S) PERFOF PATIONAL SAFETY AND , S.1926.650, SUBPART TED BY THE DEPARTME TED BY THE DEPARTME SOTHERWISE SPECIFIE CED IN KIND (OR BETT CED IN KIND (OR BETT CONTRACTOR SHALL BE SAL OF THE SAME.	HE CONTRACTOR SHALL ENDEAVOR T ONTRACTOR IN THE PERFORMANCE O T THE CONTRACTOR'S EXPENSE. PA NY DAMAGE TO STATE, COUNTY, OR QUIPMENT SHALL NOT BE REPAIRED BY T AYMENT SHALL NOT BE REPAIRED BY T AYMENT SHALL NOT BE MADE FOR T TAYMENT SHALL NOT BE MADE FOR T AYMENT SHALL NOT BE AYMENT WITH AYMENT SHALL AYMENT SHALL AYMENT A	FDOT STANDARDS. MOT PREPARER SHALL HOLD THE NEW WORK ZONE TRAFFIC CONTROL ADVANCED LEVE TRAINING CERTIFICATION. A COPY OF THE CERTIFICATION SHALL BE SUBMITTED TO THE ENGINEER ALONG THE MOT FOR APPROVAL BY FDOT. ALL WORK ZONES SHALL BE SET UP AND MAINTAINED BY SOMEONE W HAS WORK ZONE TRAFFIC CONTROL INTERMEDIATE LEVEL TRAINING. UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS AND SPECIFICATIONS, THE CONTRACTOR SHA PROVIDE SUITABLE BORROW MATERIAL, APPROVED BY THE ENGINEER, AND INSTALL SAID MATERIAL IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. OVERALL CLEAN UP SHALL BE ACCOMPLISHED BY THE CONTRACTOR IN ACCORDANCE WITH COUNTY STAND OR AS DIRECTED BY THE ENGINEER. ANY AND ALL EXPENSES INCURRED FOR THIS WORK SHALL BE INCLI THE UNIT PRICE BID FOR THE APPLICABLE LINE ITEMS.	DN, AND DIMENSIONS OF THE EXISTING UTILITIES, STRUCTU TO THE BEST INFORMATION AVAILABLE AT TIME OF THE F _ VERIFY THE LOCATIONS, ELEVATIONS, AND DIMENSIONS O DTHER FEATURES AFFECTING THIS WORK PRIOR TO CONSTRUCTION UTILITIES. CALL SUNSHINE ONE CALL CENTER OF FL CATIONS. THE CONTRACTOR SHALL REPAIR ALL DAMAGES REQUIREMENT. SHALL VERIFY THE LOCATION, ELEVATION, AND DIMENSIONS OTHER FEATURES AFFECTING HIS WORK AND SHALL COMP AND OBTAIN ANY NECESSARY WORK PERMITS THAT MAY AND OBTAIN ANY NECESSARY WORK PERMITS THAT MAY
URS JOB NUMBER 12008496 PM: D. WILCOX ENG: D. WILCOX DRW: D. ELLIS FILE SAVE DATE: August 27, 2009	SURVEY PROVIDED BY:POLARISAssociates Inc.PROFESSIONAL SURVEYING LIB 6113 18850 U.S. HIGHWAY 19 SUITE 500 CLEARWATER, FLORIDA 33764 (727) S24-6500MICHINA SURVEYING LIB 6113 500 CLEARWATER, FLORIDA POWER AND UNITED SOL TENDIDA POWER AND UNITED AVE.POWERFLORIDA POWER AND UNITED AVE. SARASOTA FLORIDA, 34243TELEPHONEVERIZON (941) 752-8000 6416 14TH STREET WEST BRADENTON FLORIDA, 34240 ATTR: D. HUTTONGASTECO/PEOPLES GAS 8261 VICO COURT SARASOTA FLORIDA, 34240 ATTR: D. HUTTONMATER/SEWERWATER / SEWER MAATEE COUNTY UNILITIESCABLEBRIGHT HOUSE NETWORKS 4601 15TH. STREET EAST BRADENTON, FLORIDA 34203 ATTEN: NUTER KROL	CONCERNING PIPE, FITTINGS, VALVES AND ETC. IC CONSTRUCTION SEQUENC USTALL NEW WATER LINE PIPE AND APPURTENANCES. RESSURE TEST AND BACTERIAL TEST NEW WATER MAIN RANSFER SERVICES UT EXISTING PIPE AND INSTALL SHUT-OFF VALVE ROUT FILL EXISTING PIPE	 THE CONTRACTOR SHALL COORDINATE TIE-INS WITH EXISTING SERVICES OWNERS. ACCESS TO EXISTING RESIDENCES MUST BE MAINTAINED AT ALL TIMES. ACCESS PLANS DETAILING EACH DRIVEWAY CROSSING. PIPE MATERIAL SHALL BE C900 PVC FOR OPEN CUT INSTALLATION AND INSTALLATION. REFER TO SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR PREPARING AND OBTAINING APPROVA PLANS. REFER TO THE LATEST EDITION OF THE MANATEE COUNTY STANDARDS IN SECURICATIONS CONCERNING DIDE ENTINGS VALVES AND ETC. 	Ruction shall be in conformance with the l """"""""""""""""""""""""""""""""""""	 ALL COMPONENTS OF THE WATER MAIN SYSTEM SHALL BE PRESSURE TO ACCEPTANCE BY THE ENGINEER. PRESSURE & BACTERIOLOGICAL PROJECT SPECIFICATIONS. WATER MAINS SHALL BE SUBJECT TO A HY HOURS AT FULL WORKING PRESSURE, BUT NOT LESS THAN 180 PSI. AT (813) 286–1711 48 HOURS IN ADVANCE OF PERFORMING TESTS. W SERVICE UNTIL CLEARED BY COUNTY HEALTH DEPARTMENT. THE CONTRACTOR IS TO "PROTECT IN PLACE" THE FACILITIES THAT AI REMOVED, BUT ARE TO REMAIN IN PLACE. THE CONTRACTOR IS TO ADJUST OR RELOCATE ALL THE FACILITIES TH COUNTY STANDARDS. THE CONTRACTOR SHALL PROVIDE DETAILED RECORD DRAWINGS, ANY WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPLICAE BE CURRENT WITH EACH PAY APP SUBMITTED AND WILL BE CHECKED PROCESS.
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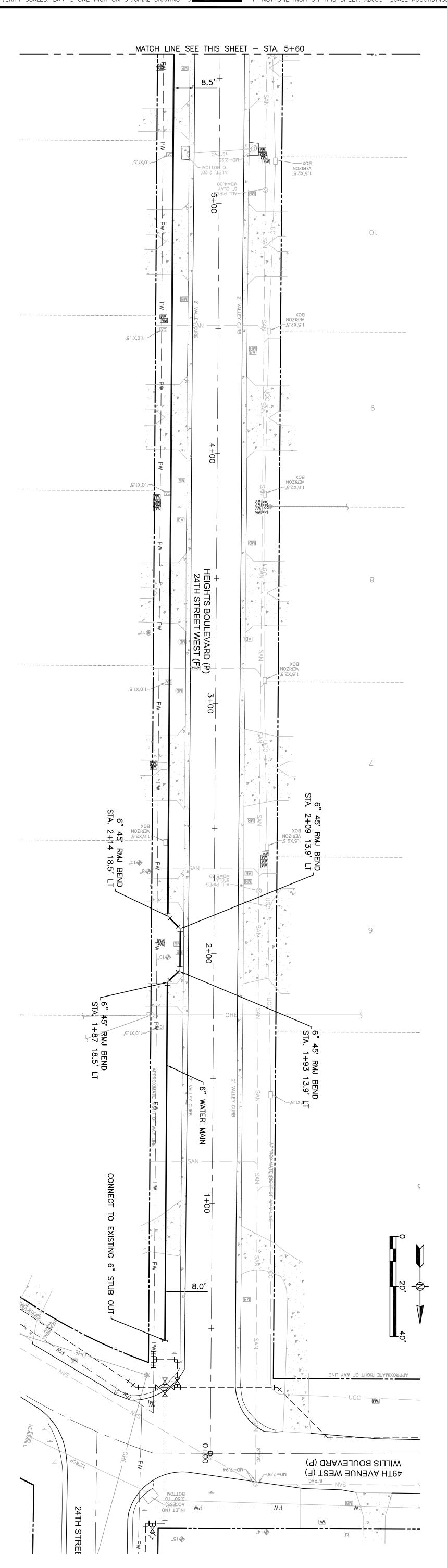
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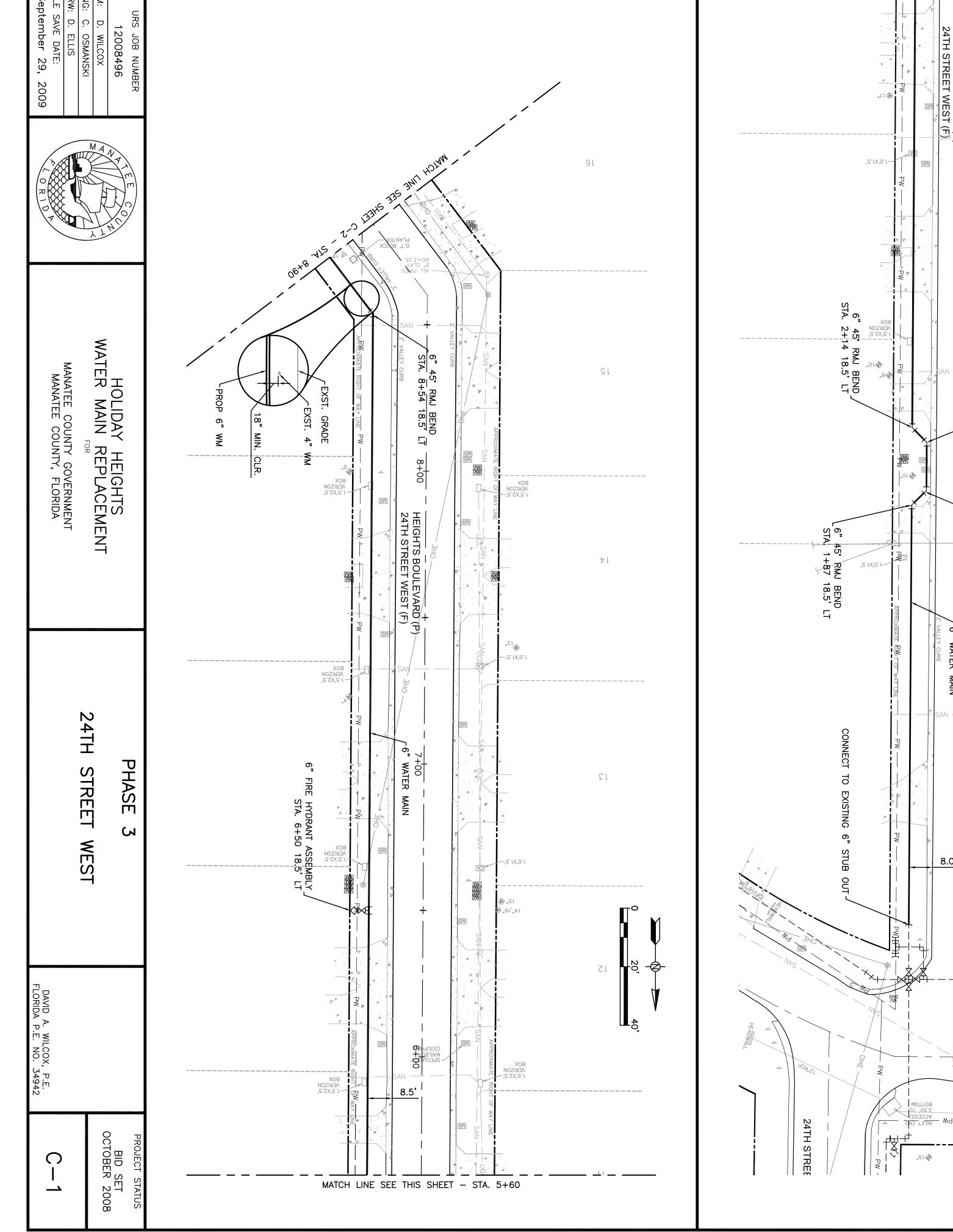


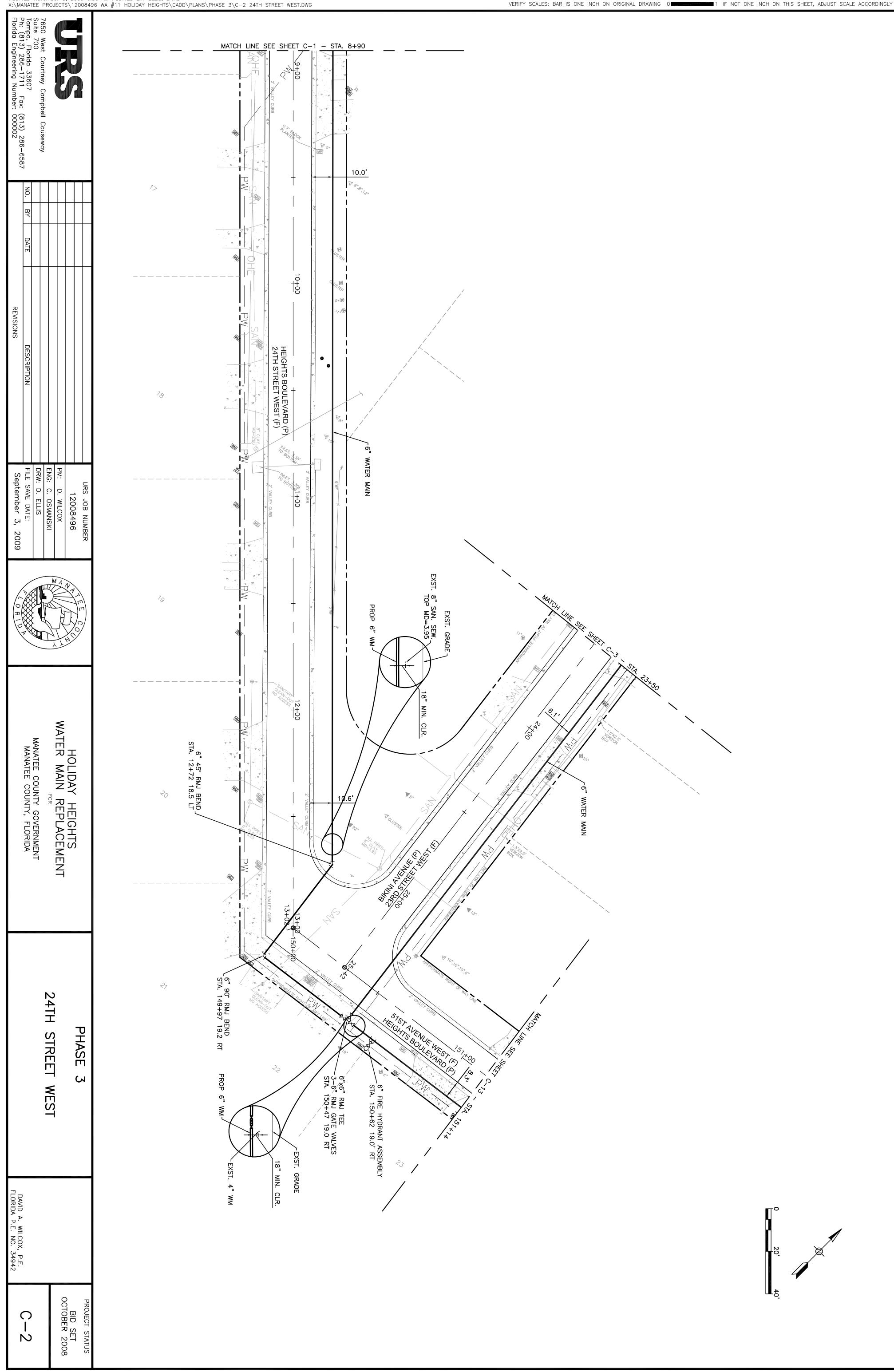
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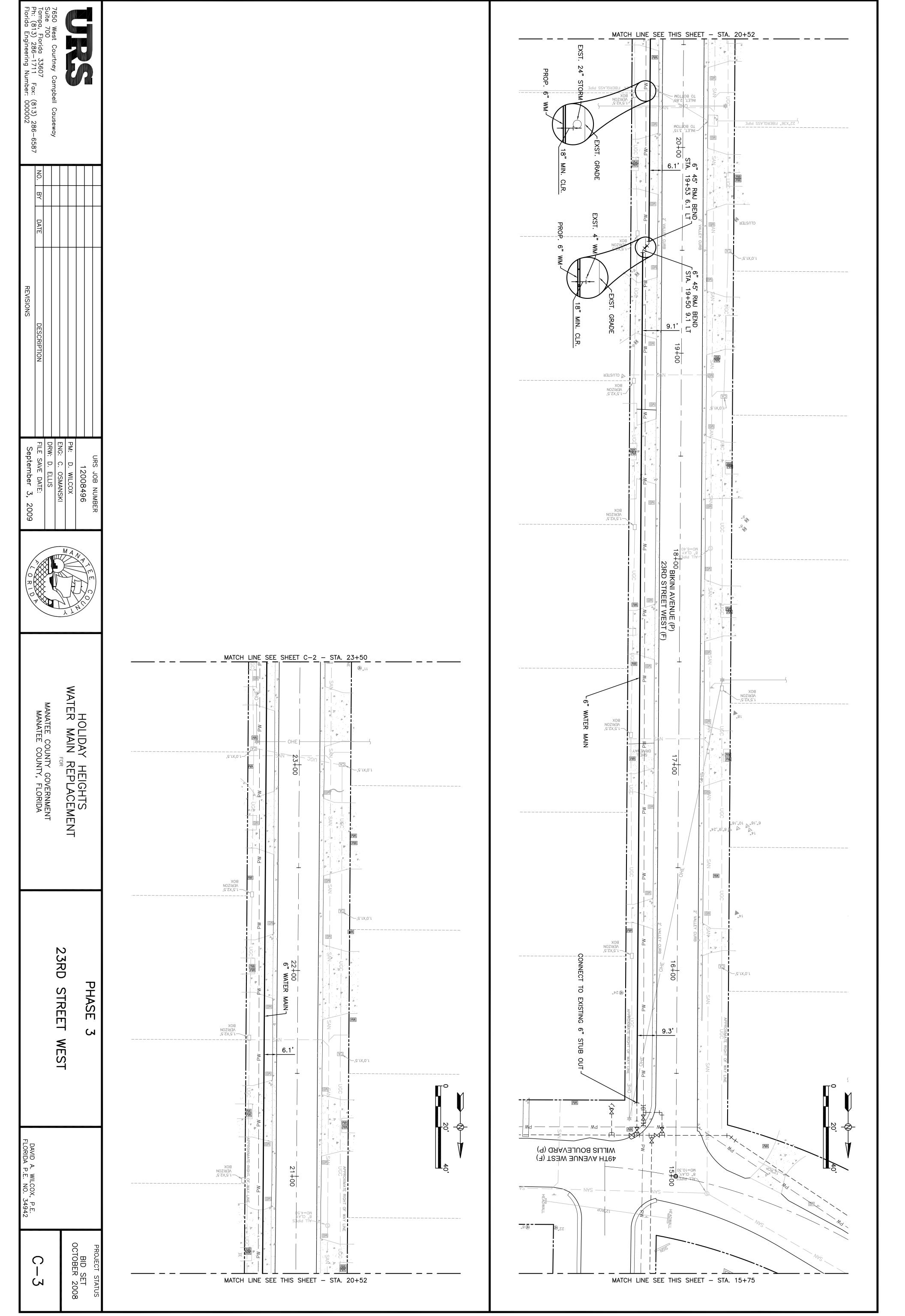


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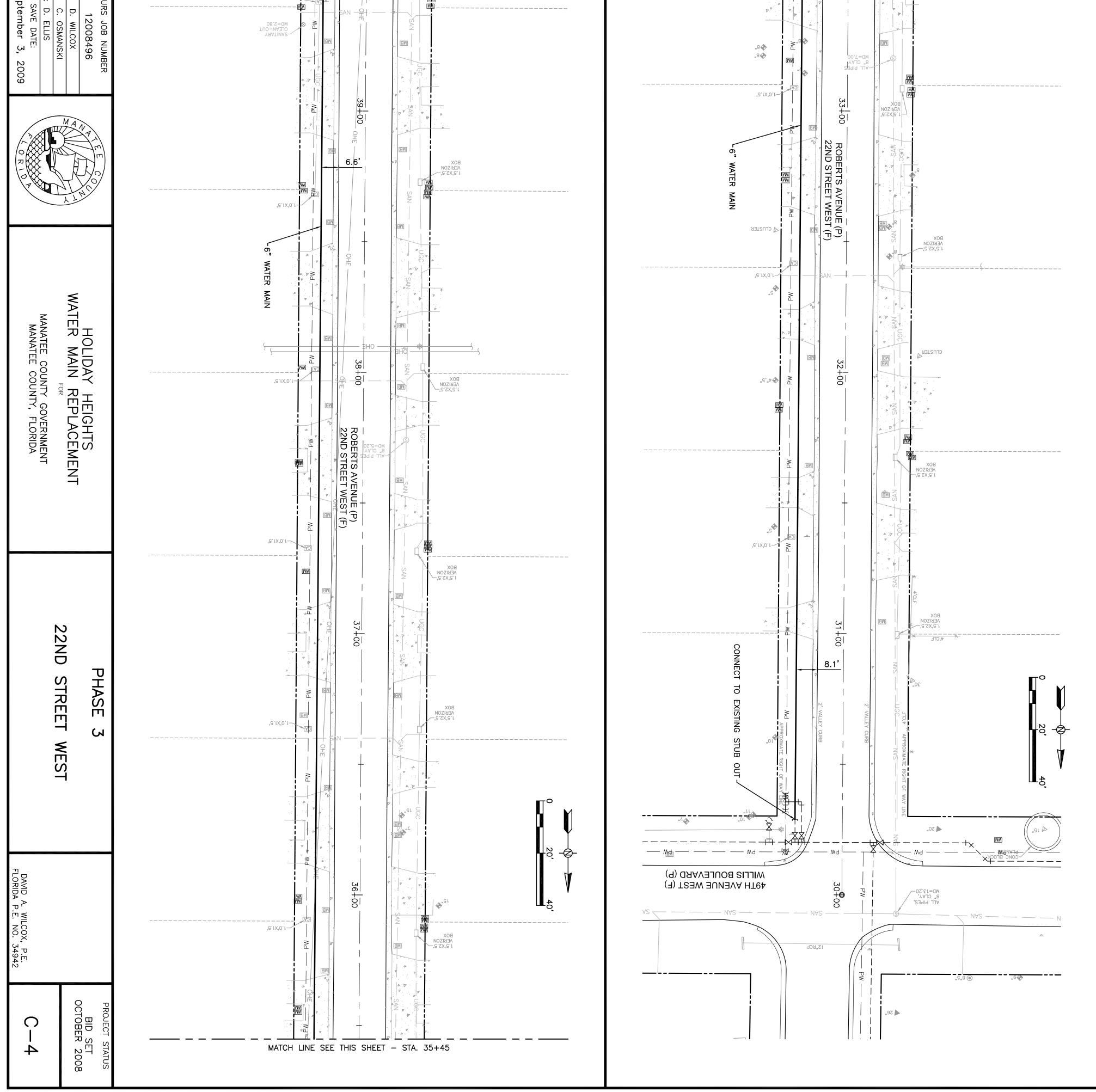


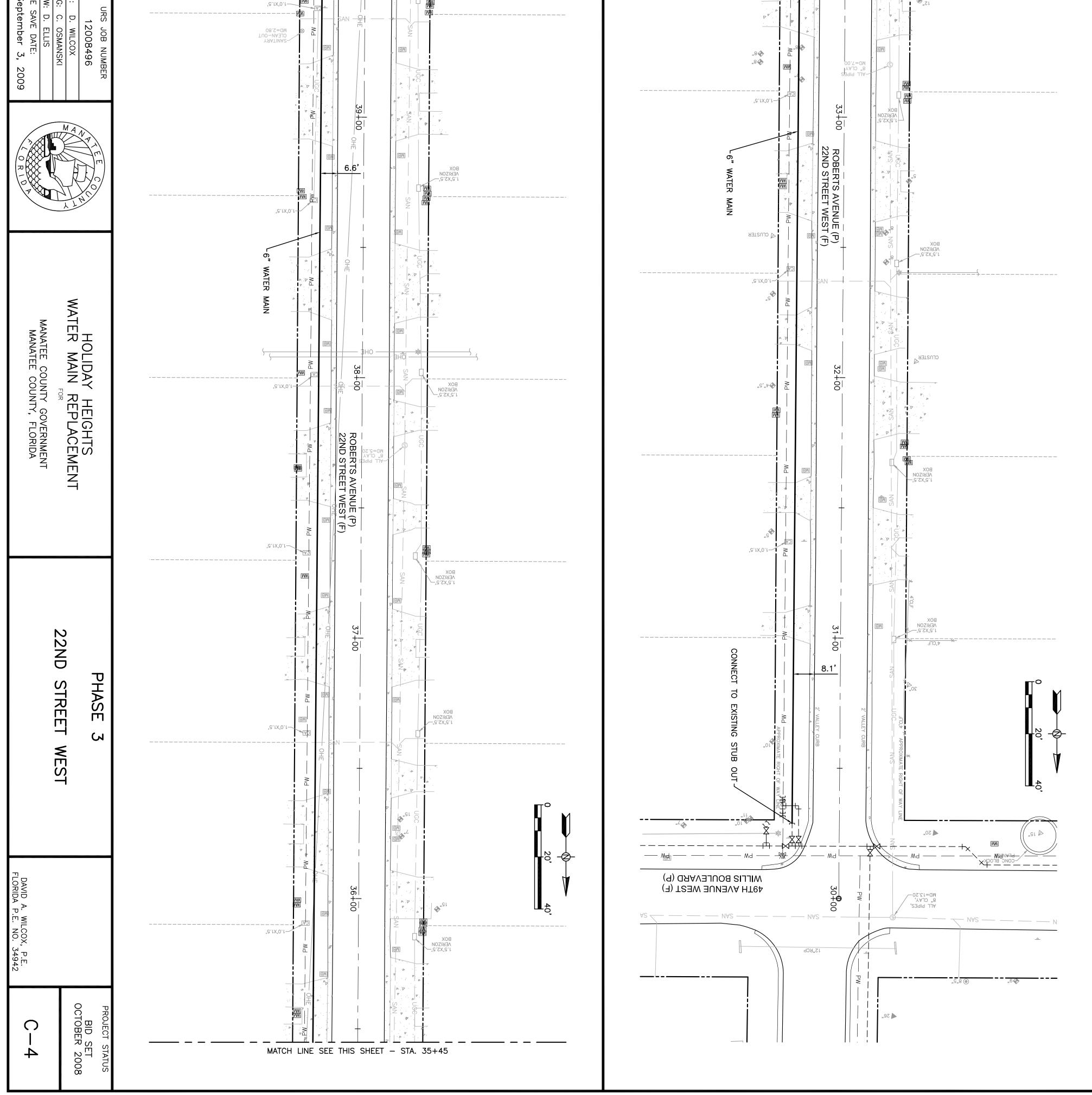
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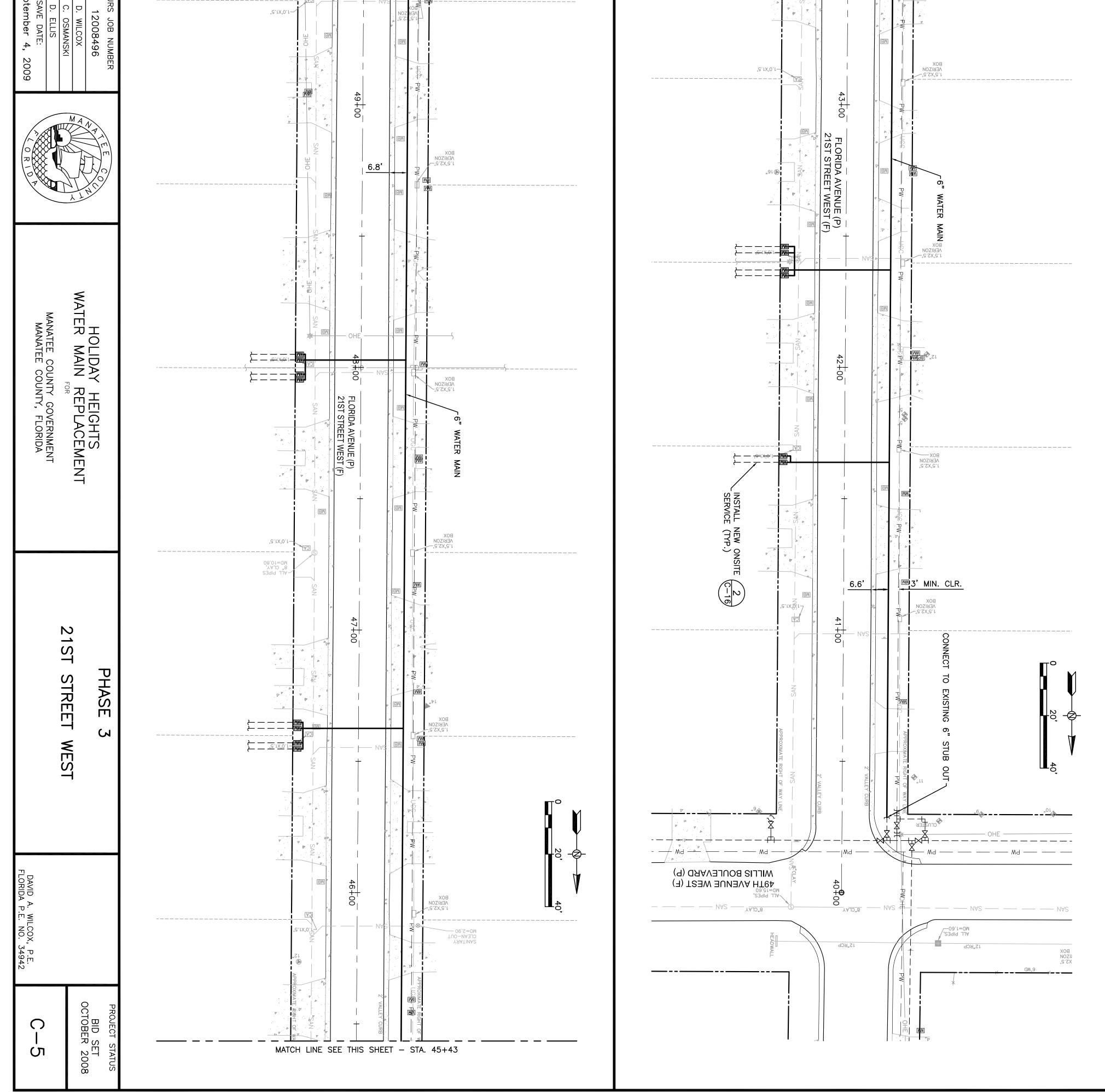
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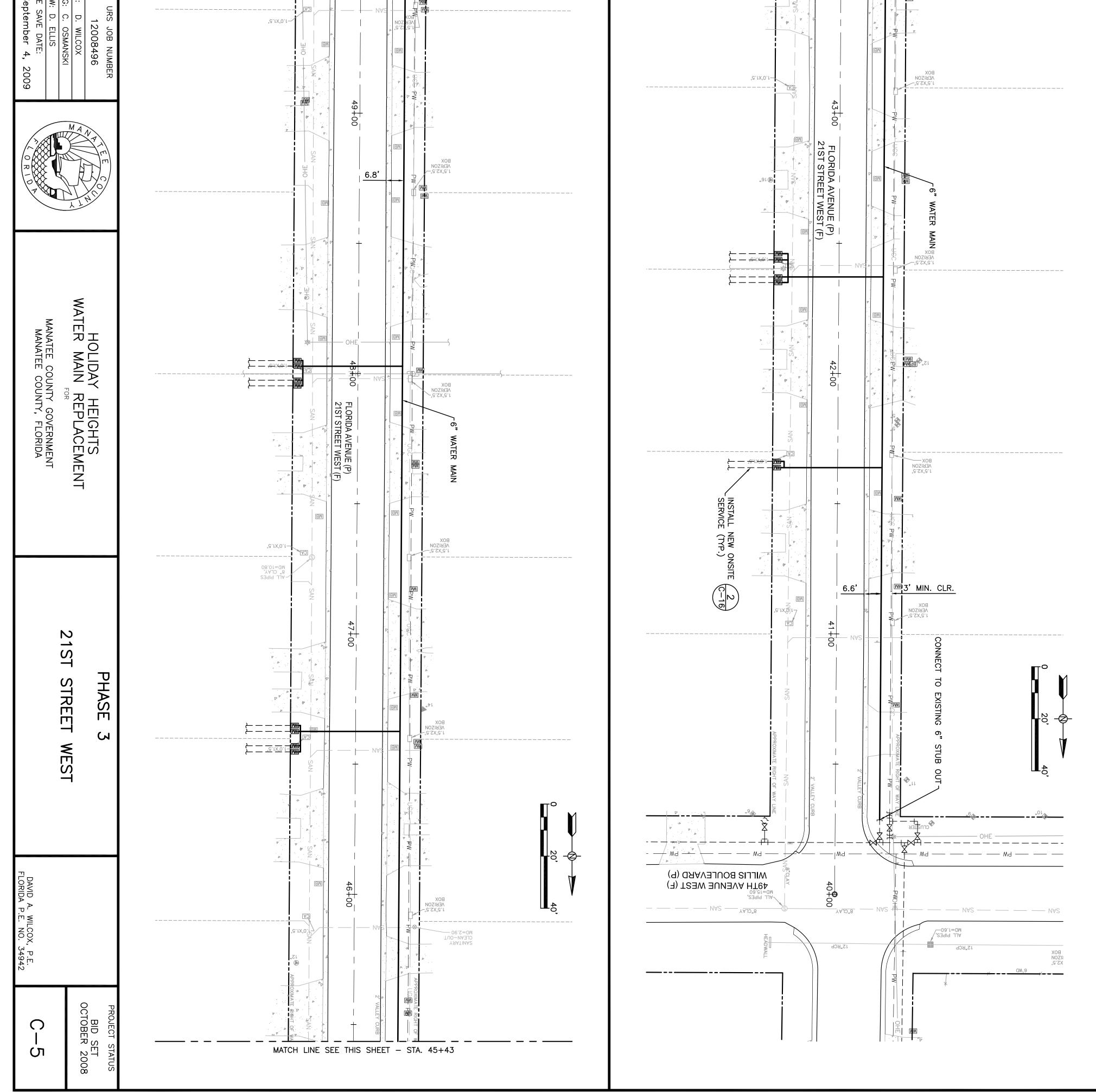


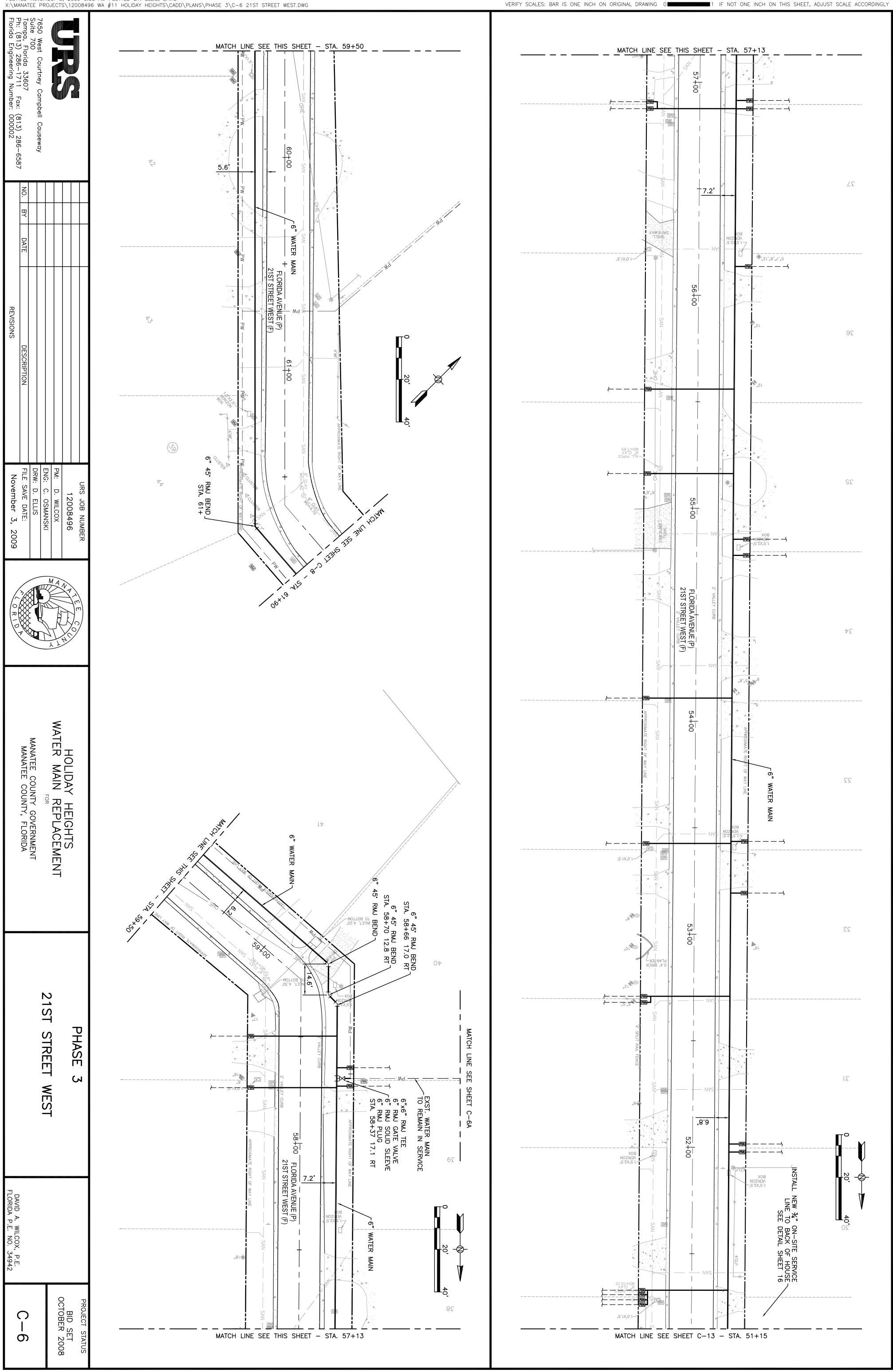


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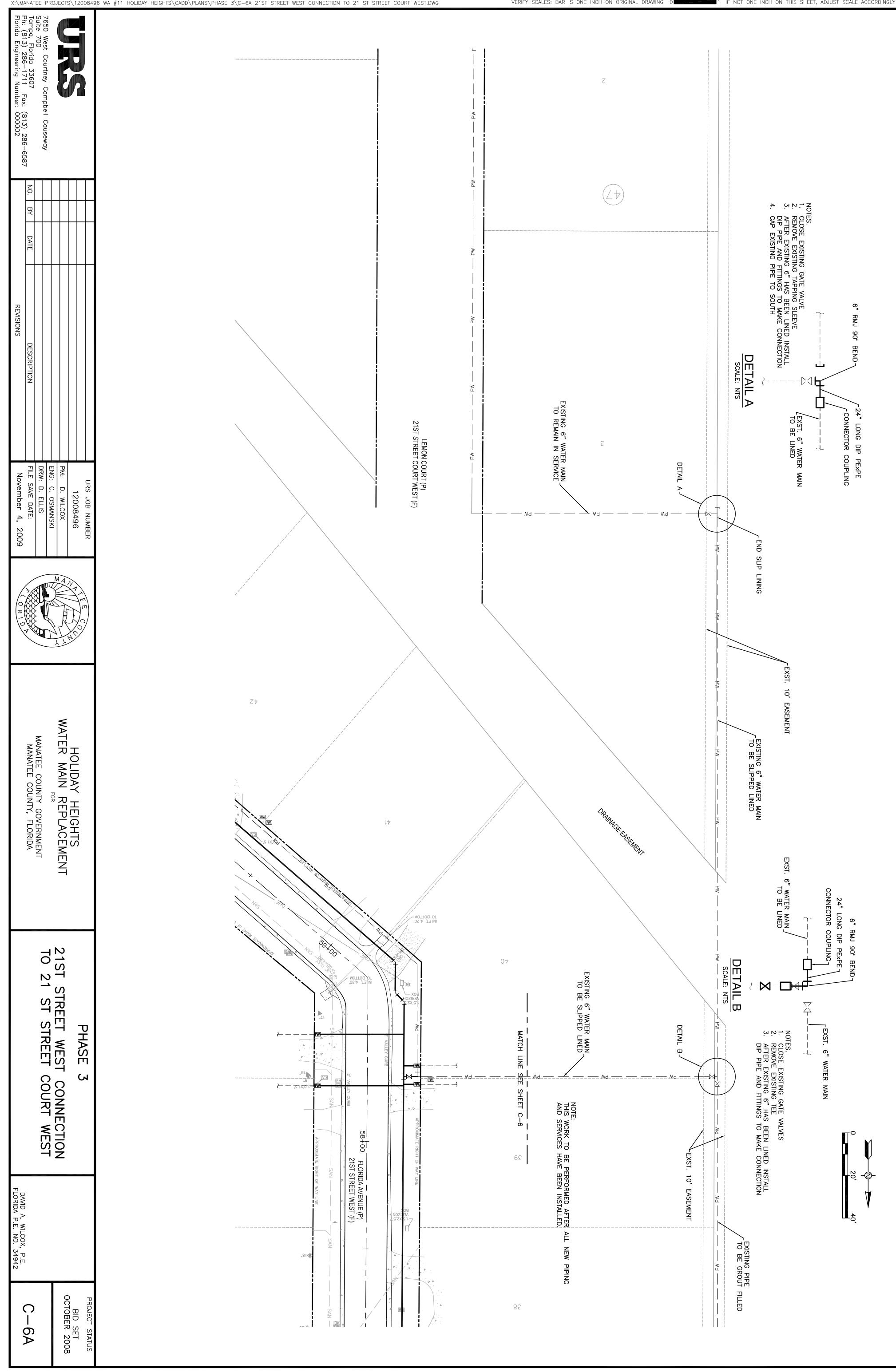
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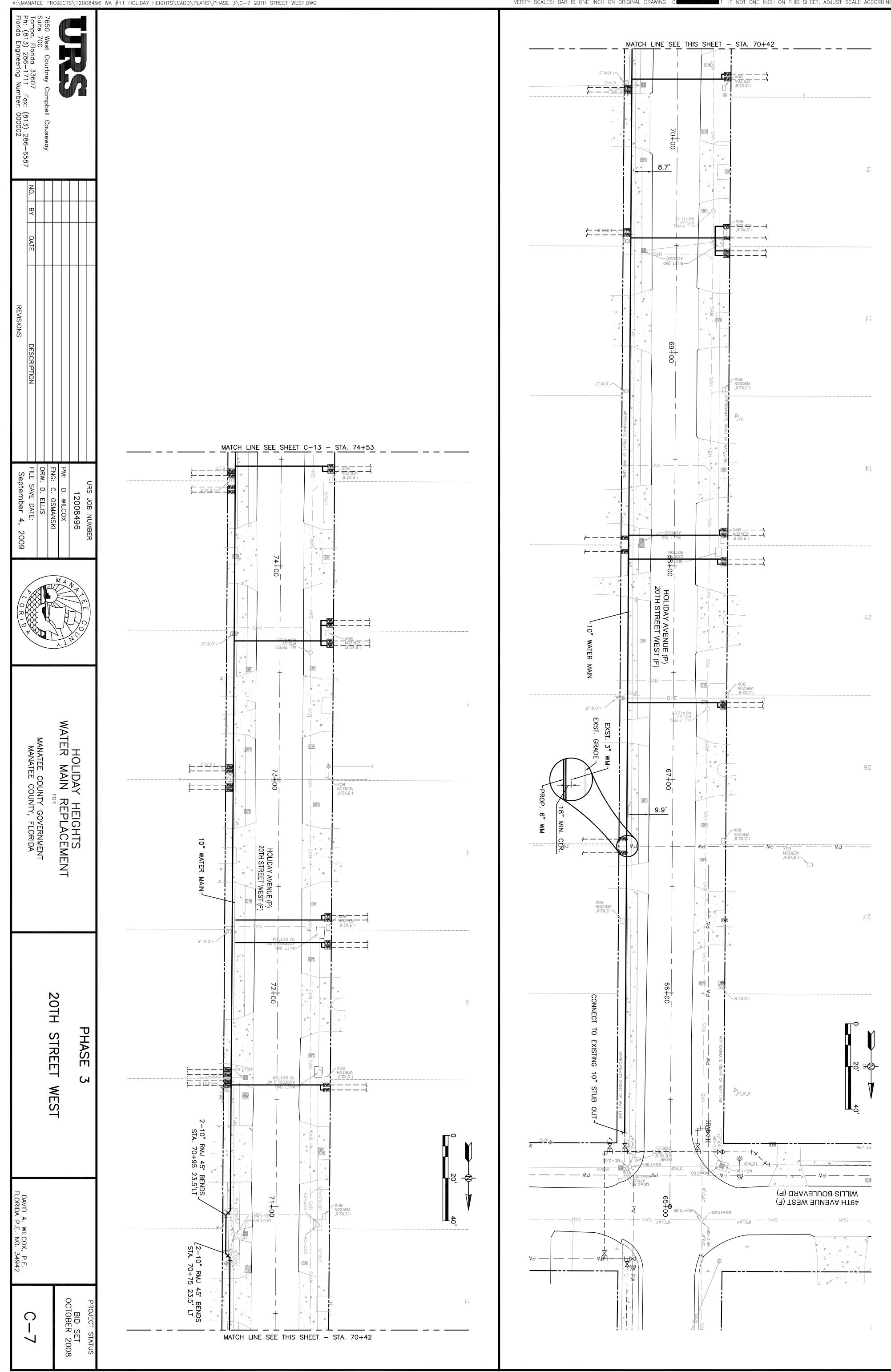




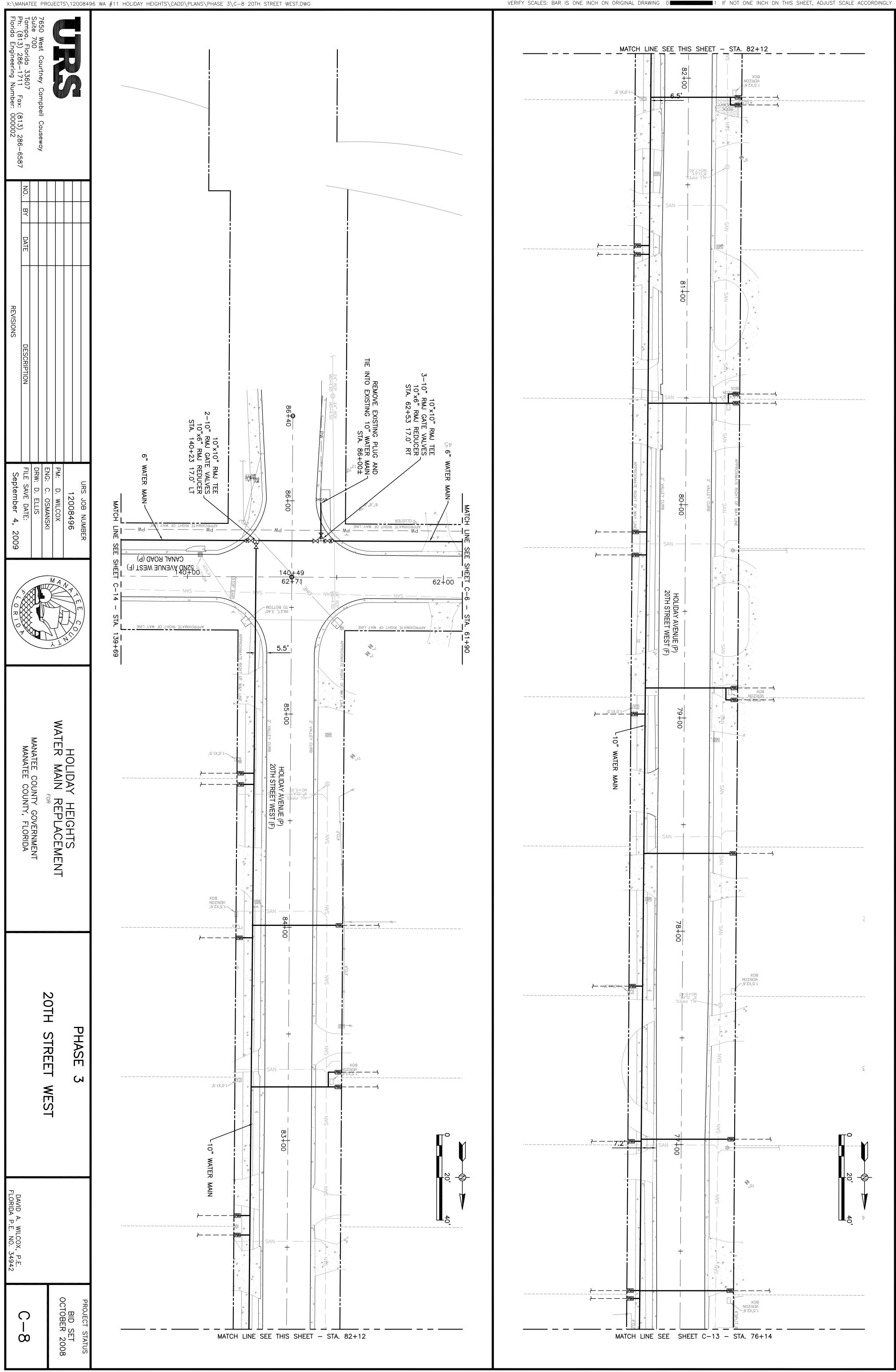
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PLOTTED November 5, 2009 6:58 AM PLOTTED BY: ELLIS, DAVID X:\MANATEE PROJECTS\12008496 WA #11 HOLIDAY HEIGHTS\CADD\PLANS\PHASE 3\C-6A 21ST STREET WEST CONNECTION TO 21 ST STREET COURT WEST.DWG



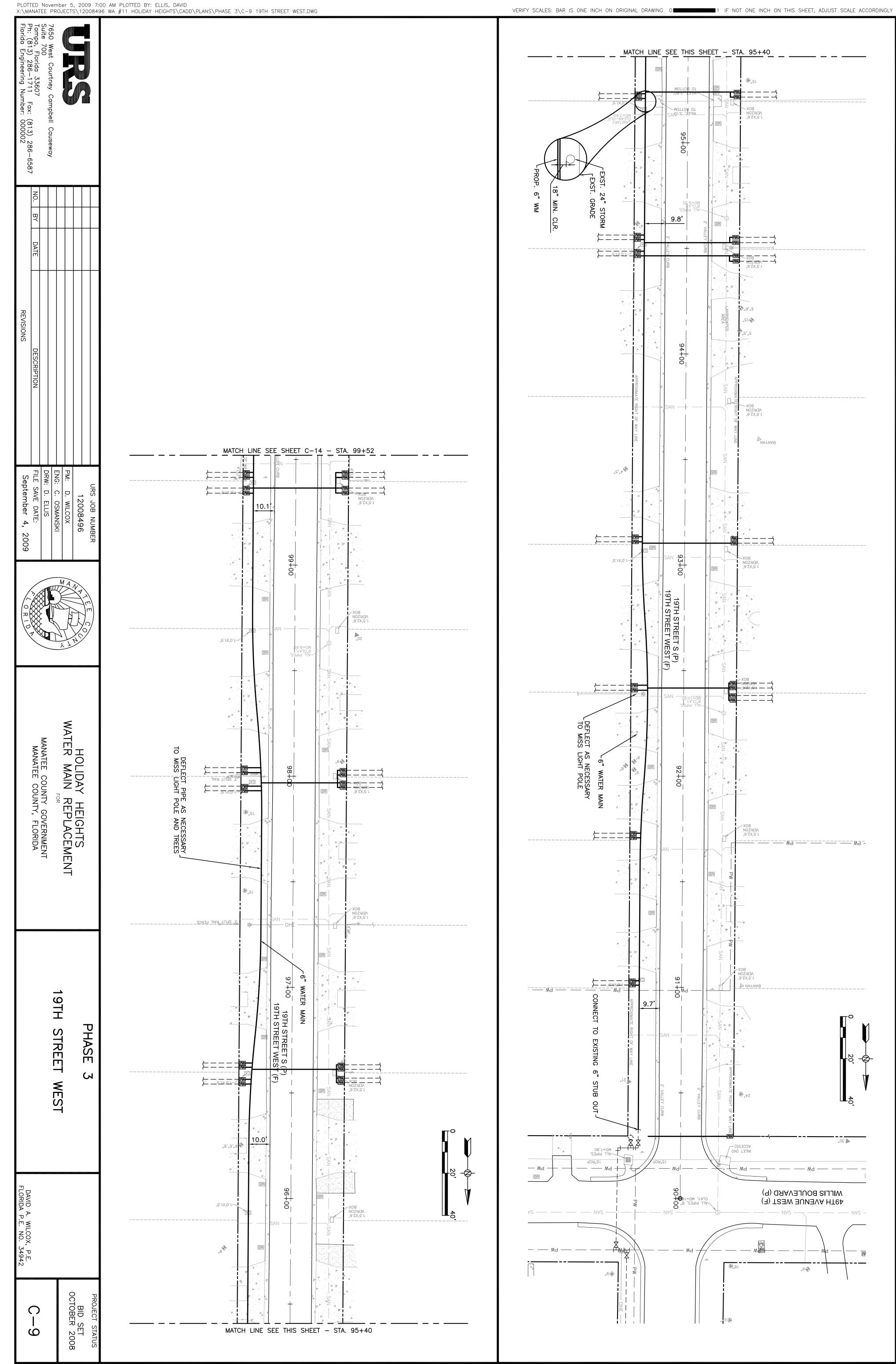
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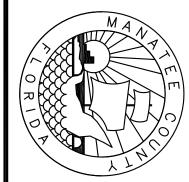
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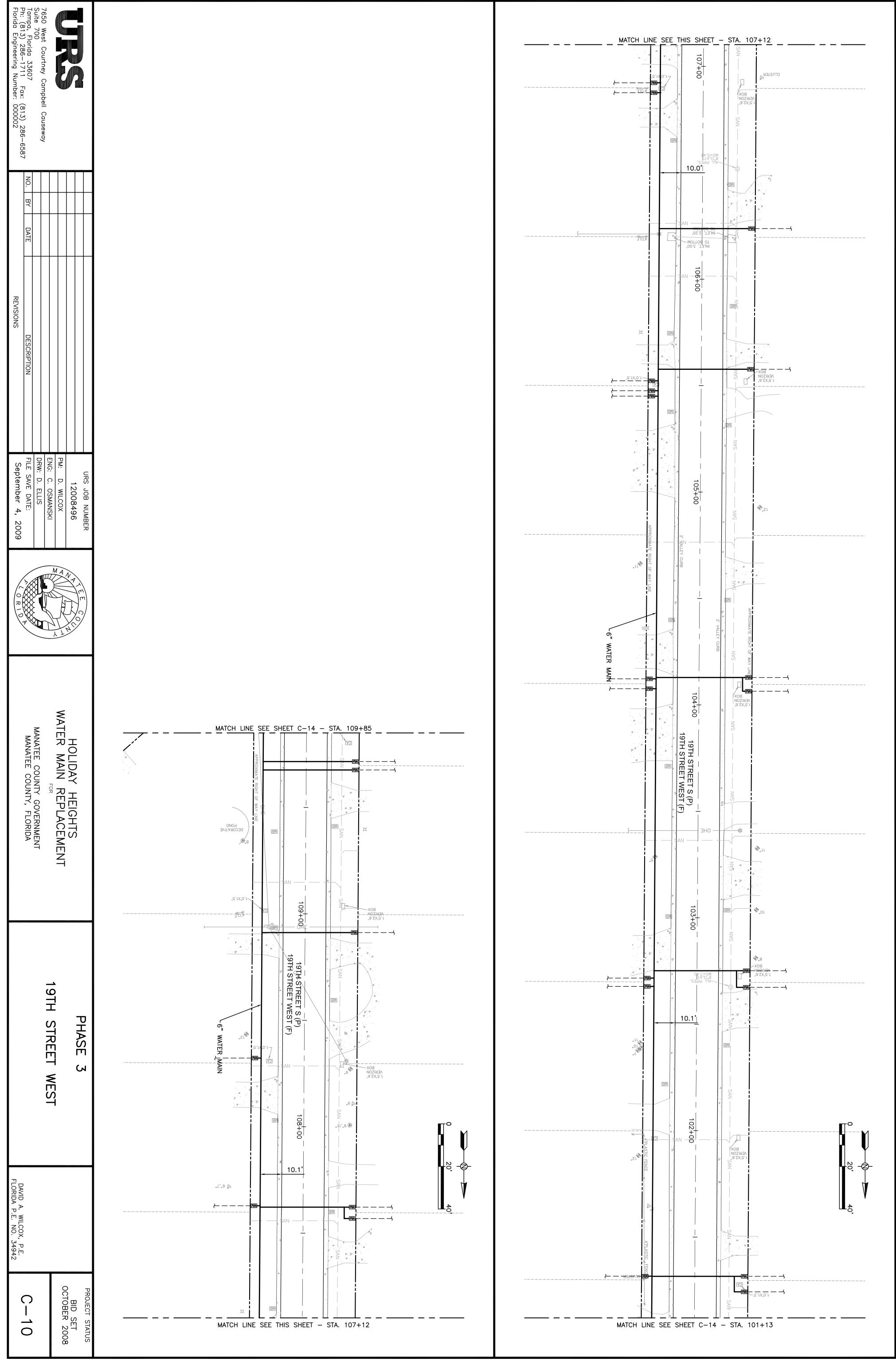




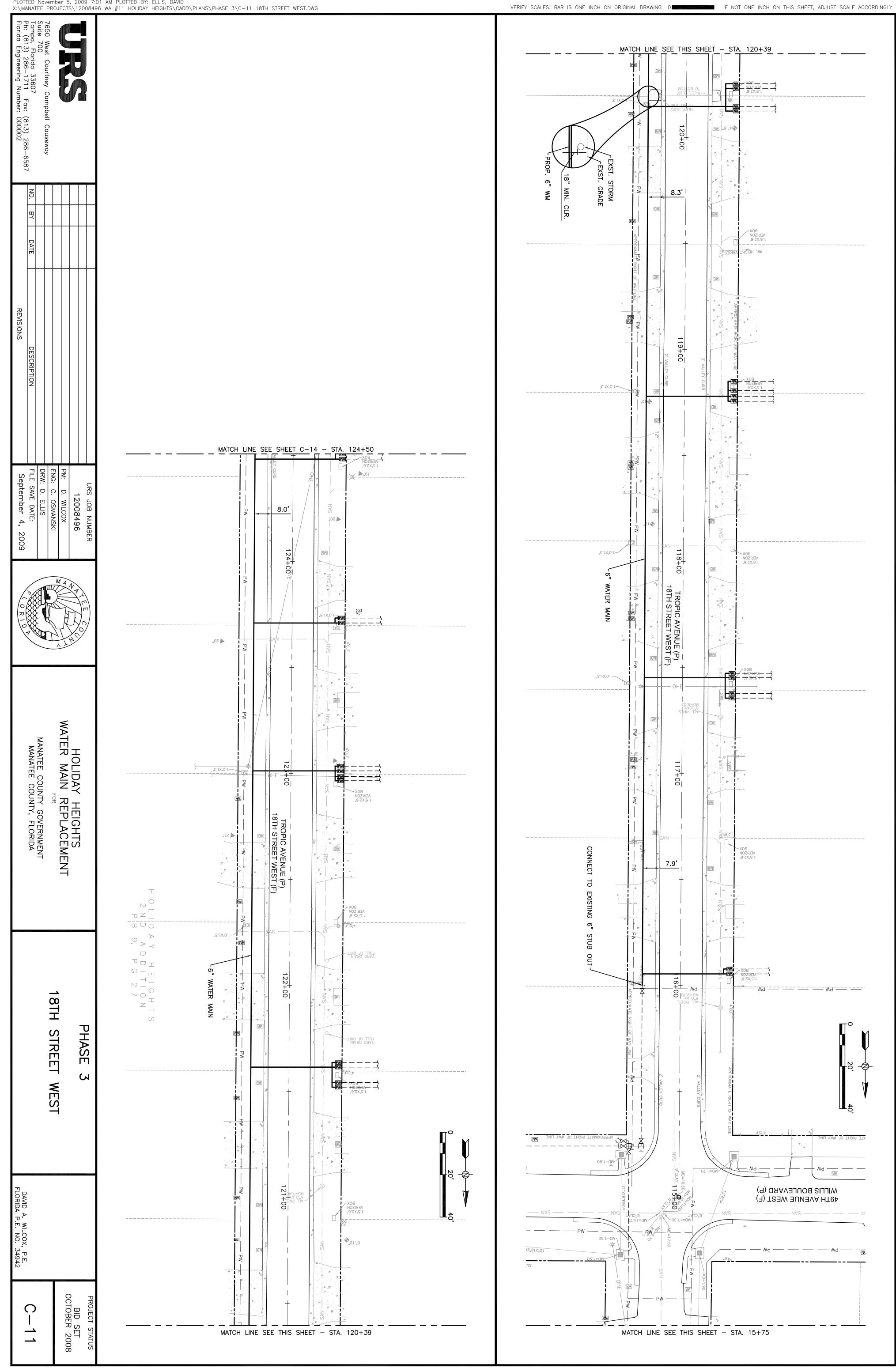


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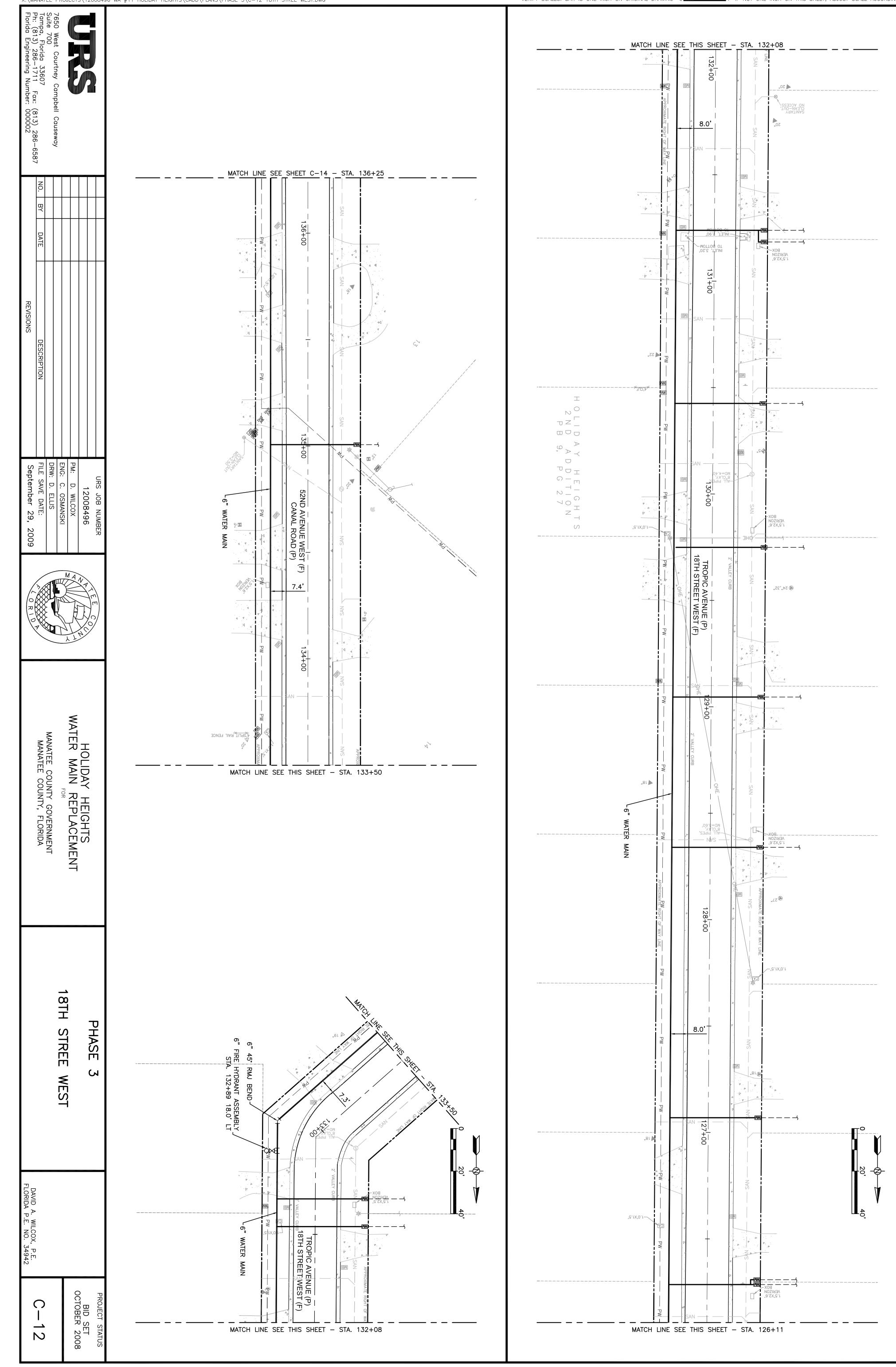
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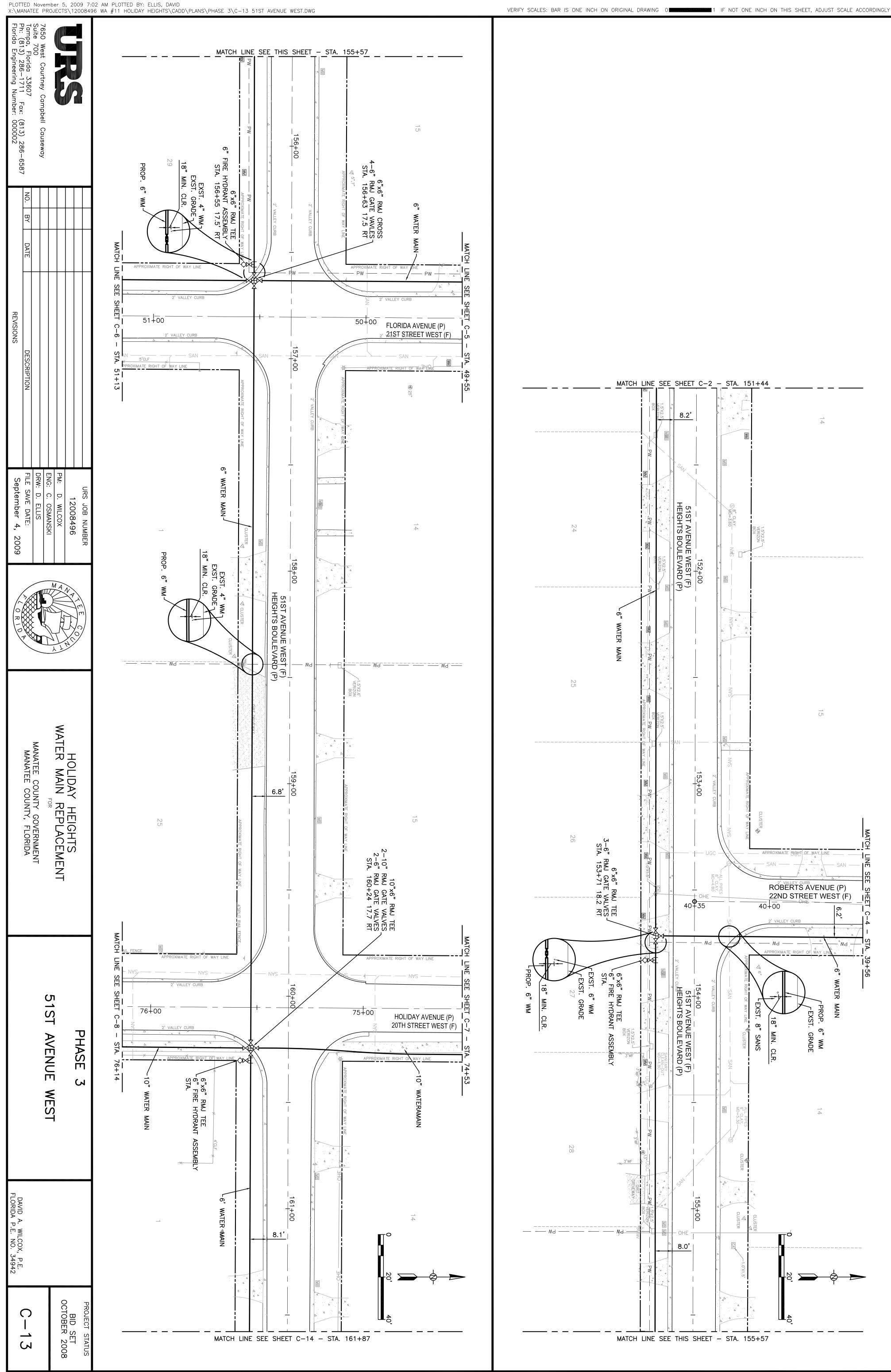
PLOTTED November 5, 2009 7:00 AM PLOTTED BY: ELLIS, DAVID X:\MANATEE PROJECTS\12008496 WA #11 HOLIDAY HEIGHTS\CADD\PLANS\PHASE 3\C-10 19TH STREET WEST.DWG

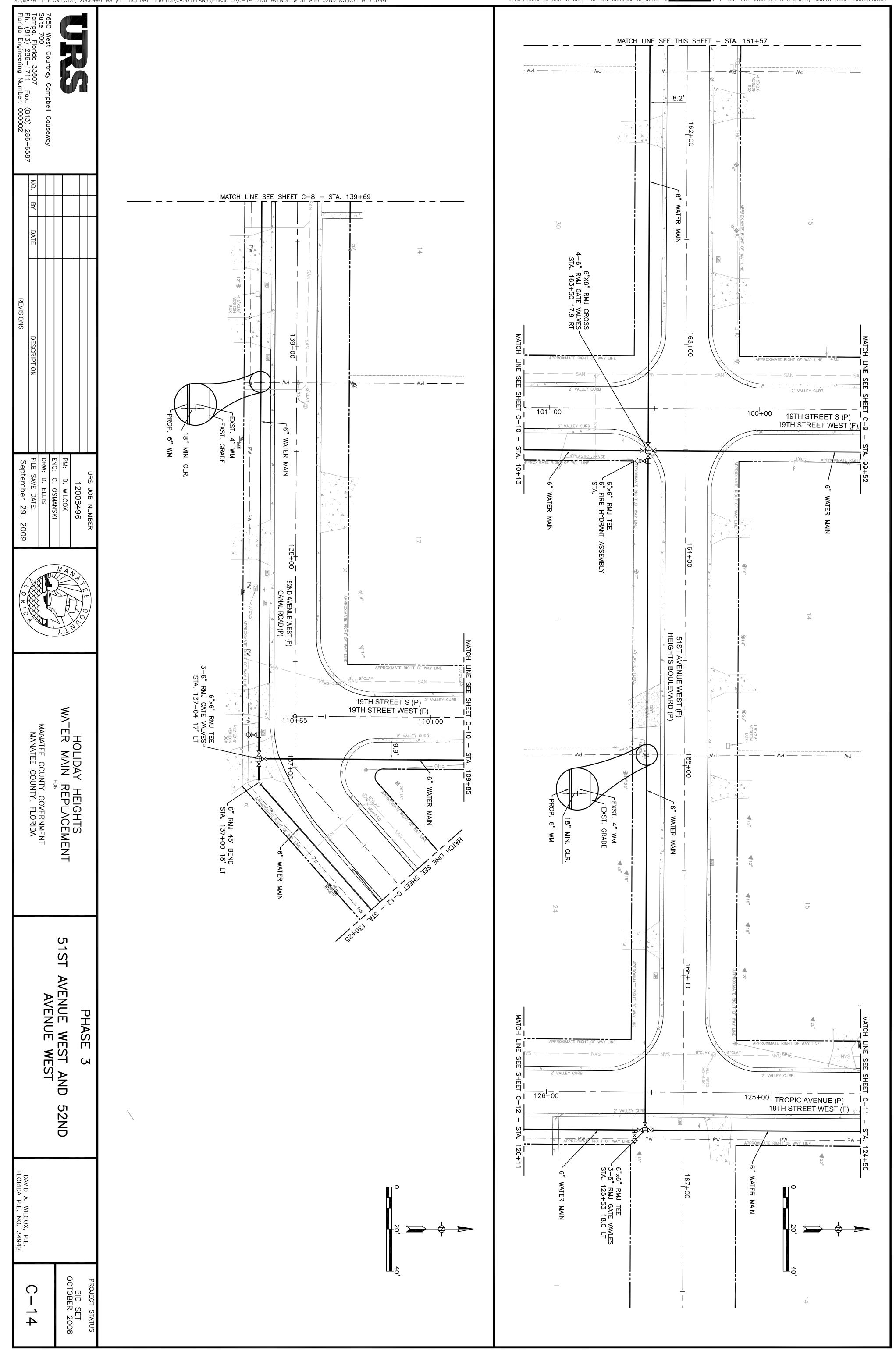


PLOTTED November 5, 2009 7:01 AM PLOTTED BY: ELLIS, DAVID X:\MANATEE PROJECTS\12008496 WA #11 HOLIDAY HEIGHTS\CADD\PLANS\PHASE 3\C-11 18TH STREET WEST.DWG

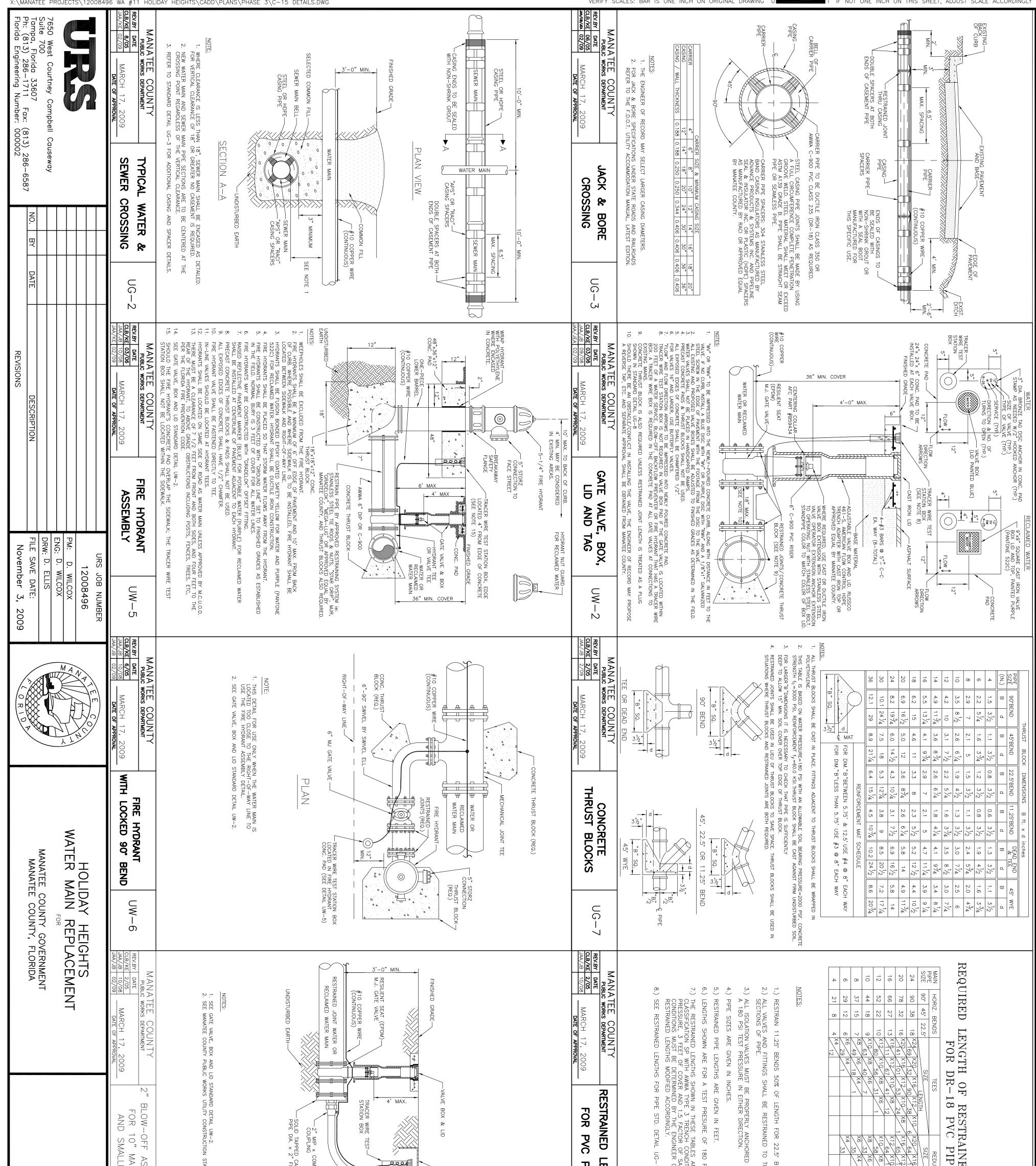


PLOTTED November 5, 2009 7:01 AM PLOTTED BY: ELLIS, DAVID X:\MANATEE PROJECTS\12008496 WA #11 HOLIDAY HEIGHTS\CADD\PLANS\PHASE 3\C-12 18TH STREE WEST.DWG





PLOTTED November 5, 2009 7:02 AM PLOTTED BY: ELLIS, DAVID X:\MANATEE PROJECTS\12008496 WA #11 HOLIDAY HEIGHTS\CADD\PLANS\PHASE 3\C-14 51ST AVENUE WEST AND 52ND AVENUE WEST.DWG



PLOTTED November 5, 2009 7:04 AM PLOTTED BY: ELLIS, DAVID X:\MANATEE PROJECTS\12008496 WA #11 HOLIDAY HEIGHTS\CADD\PLANS\PHASE 3\C-15 DETAILS.DWG

VERIFY SCALES: BAR IS ONE INCH ON ORIGINAL DRAWING 0 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY

	PHASE 3	SSEMBLY INS ER	APPROVED METER BOX & LID 2" FEMALE QUICK COUPLING AND CAP 2" HDPE TUBING AWWA C-901 P P P	NGTHS VIPE	E JOINT PIPE E PLUGS PLUGS LENGTH India India 17 158 214 107 17 158 214 107 15 111 151 76 07 78 111 151 76 07 86 118 59 62 86 118 59 62 86 118 59 62 86 118 59 62 83 42 63 32 23 45 23 245 23 251. 76 07 RESTRAINED TO RESIST 08 RESTRAINED TO RESIST 05 RECORD AND THE 25. 23 26. 23 27. 27. 28. 23 29. 20.
DAVID A. WILCOX, P.E. FLORIDA P.E. NO. 34942	BID SET OCTOBER 2008	H ASPHALT SURFACE PE BEDDING	NOTES • UEE OF TIPE A-2, MID, A-3 TIPE EEDONG TO BE DETERMINED IN THE PELD BY ME ENVIRENCE - ALL SET THAN 24*, 12* MAX, FOR PIPE 100 • 10* 35* DUALTER: ALL SET THAN 24*, 12* MAX, FOR PIPE 10* • 10* 35* DUALTER: ALL SET THAN 24*, 12* MAX, FOR PIPE 10* • 10* 35* DUALTER: ALL SET THAN 24*, 12* MAX, FOR PIPE 10* • 10* 35* DUALTER: ALL SET THAN 24*, 12* MAX, FOR PIPE 10* • 10* 35* DUALTER: ALL SET THAN 24*, 12* MAX, FOR PIPE 10* • 10* 35* DUALTER: ALL SET THAN 24*, 12* MAX, FOR PIPE 10* • 10* 35* DUALTER: ALL SET THAN 24*, 12* MAX, FOR PIPE 10* • 10* 35* DUALTER: ALL SET THAN 24*, 12* MAX, FOR PIPE 10* • 10* 55* DUALTER: ALL SET THAN 24*, 12* MAX, FOR PIPE 10* • 10* 55* DUALTER: NOT FIELD 10* DUALTER: ALL SET THAN 24*, 12* MAX, FOR PIPE 10* • 10* 55* DUALTER: NOT FIELD 10* DUALTER: ALL SET THAN 10* FIELD 10* • 10* 55* DUALTER: SUBJECT 10* PIPE 24* DUALTER: SUBJECT 10* • 10* FIELD 50* MICH 11* • 10* FIELD 50* • 10* FIELD 50* • 10* FIELD 50* • 10* FIELD	MANATEE COUNTY TRENCH WITH PUBLIC WORKS DEPARTMENT UNIMPROVED SURFACE UG-11 REV.BY DATE MARCH 17, 2009 TYPE A-1 PIPE BEDDING JAA/JEA DATE OF APPROVAL TYPE A-1 PIPE BEDDING	IEE: 1. USE OF TYPE A-2 AND A-3 PIPE BEDDING TO BE FIELD BY THE ENGINEER. 2. 10°, MAX. FOR PIPE IG DIAMETER LESS THAN 24°, 12 2. 24°, AND LESS THAN 42°, 24°, MAX. FOR PIPE DIA 3. 4″, MAX. FOR PIPE 16°, DIAMETER & LESS, 6°, MAX. 5. BACKFILL ASHTO MAX. FOR PIPE 42° DIA 4. PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH WRITTEN INSTRUCTIONS. 5. BACKFILL ASHTO M-145 SHALL BE PLACED IN IA 10 98% ASHTO T-180 DENSITY. 6. TRACER WIRE NOT REQUIRED FOR GRAVITY SEWERS 12°, & 24°, WEENOW ED OR FILL. EACH LAYER SHALL BE THOROUGH: 12°, & 24°, WEENOW ED OR FILL. FACH LAYER SHALL BE THOROUGH: COMMON FILL. SELECTED COMMON FILL SELECTED FILL SELECTED FOR OFFER WIRE NOTE F) SELECTED FILL SELECTED

X:\MANATEE PROJECTS\12008496 WA #11 HOLIDAY HEIGHTS\CADD\PLANS\PHASE 3\C-16 DETAILS.DWG	VERIFY SCALES: BAR IS ONE INCH ON ORIGINAL DRAWING O LEASE 1 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDING
TYPICAL WATER	Cost Hon own, METER BOX, 151, x 100 (LD) Made Marked Transfer of PortEd Junch Weter Monoremark Structures of PortEd Junch Structures of PortEd Junch Monoremark Structures Of PortEd Junch Monoremark Structures Of PortEd Junch Monoremark Structures Of PortEd Junch Monoremark Structures Of PortEd Junch Structures Structures Of PortEd Junch Structures Of PortEd Junch
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DIRECTIO	2-4" MAX. FROM PROP. LINE FOR WATER SERVICES. 5' MIN. FROM SAN, SERVICES. R/W CONTINUOUS) 2-4 BRANCH CONNECTION APPROVED EQUAL, SERVICES SADDLE WITH EXTRA WIDE STAINLESS STADLE WITH EXTRA WIDE STAINLESS STADLE WITH EXTRA WIDE STAINLESS SADDLE WITH EXTRA WIDE STAINLESS SADDLE WITH EXTRA WIDE STAINLESS SADDLE WITH EXTRA WIDE STAINLESS

PLOTTED November 5, 2009 7:04 AM PLOTTED BY: ELLIS, DAVID X:\MANATEE PROJECTS\12008496 WA #11 HOLIDAY HEIGHTS\CADD\PLANS\PHASE 3\C-16 DETAILS.DWG

VERIFY SCALES: BAR IS ONE INCH ON ORIGINAL DRAWING O DECEMBER 1 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY

