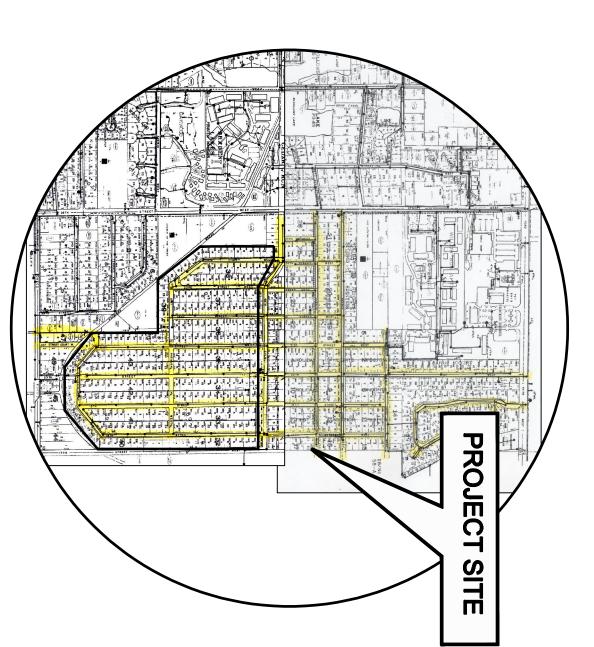
First Side Side Side Side Side Side Side Side	PLOTT X:\MA	TED ANAT	No <sup>.</sup> EE	ven PR	nbe :OJE	r 5 ECTS	, 2 5\1	009 200	) 7: )849
DATE REVISIONS	Florida Engineering Number: 000002	Tampa, Florida 33607	Suite 700	7650 West Courtnev Campbell Causewav					)
DATE REVISIONS		NO.							
	REVISIONS	DESCRIPTION							

### 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

VERIFY SCALES: BAR IS ONE INCH ON ORIGINAL DRAWING O



# **NOVEMBER, 2009**

## **100% DRAWINGS**

	20 20 20 20 20 20 20 20 20 20 20 20 20 2	SUP SU (i)		
			25TH STAWEST	
2IST STREET COURT W.				
	Kit         The constraint         Constraint			
			IB TH	

C-16	ុ ភ្នំ ភ្នំ	C-14	<b>C-13</b>	C-12	<b>C-11</b>	C-10	С-9	С-8	C-7	ဂု စ	ი ი	0-4	ဂု မ	0-2	<u>,</u>	റ്റ പ	G-2	Ģ -	NO.
NERAL	GENERAL DET/	51ST AVENIJE V	51ST AVENUE \	<b>18TH STREET V</b>	STREET	STREET	STREET	STREET	20TH STREET V	STREET	STREET	STREET	23RD STREET V	24TH STREET V	STREET	SHEET	ERAL NO	COVER SHEET	INDEX OF SHEE

MANATEE COUNTY GOVERNMENT MANATEE COUNTY, FLORIDA FOR

HOLIDAY HEIGHTS WATER MAIN REPLACEMENT

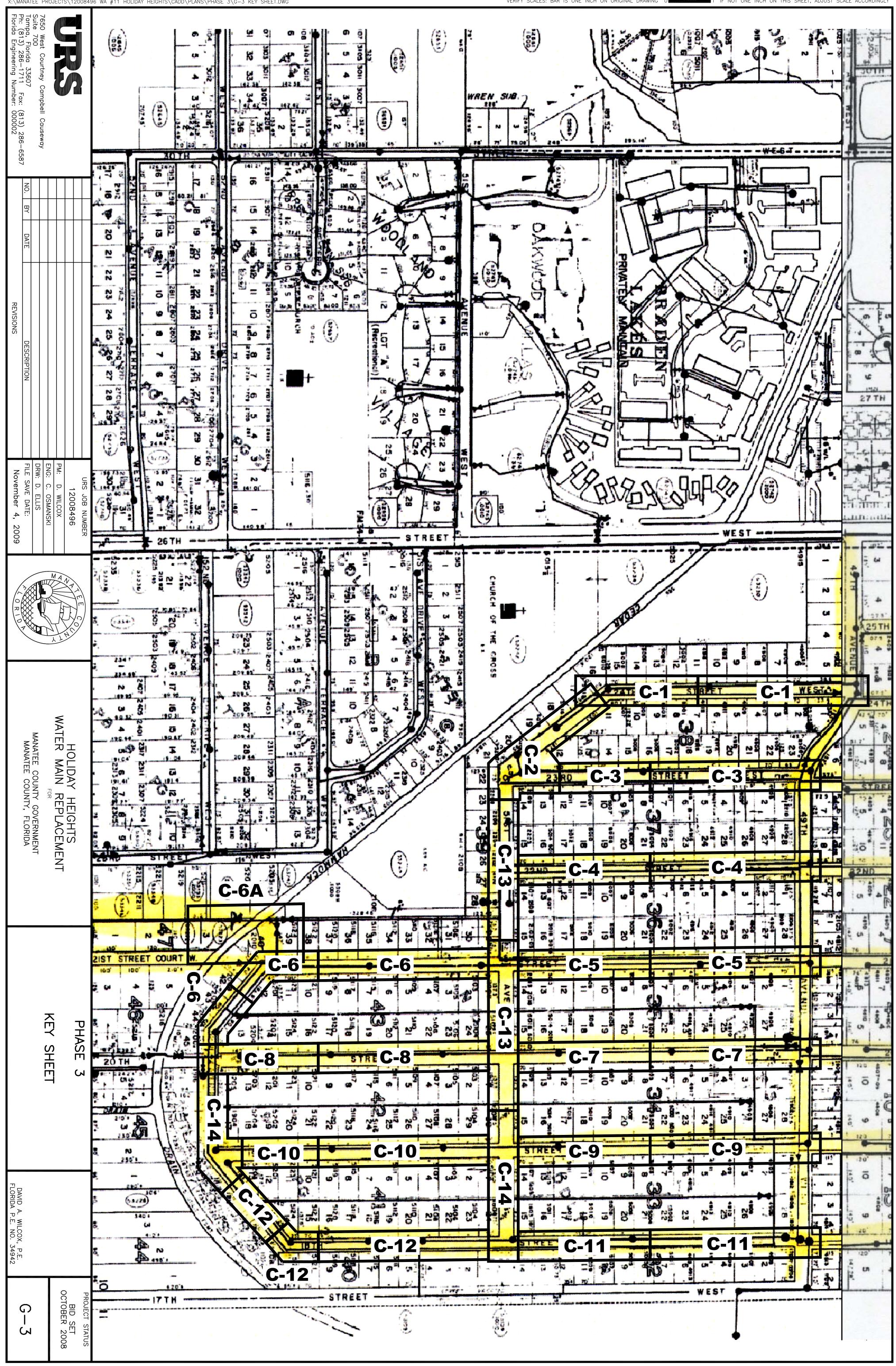
PM: D. WILCOX ENG: C. OSMANSKI DRW: D. ELLIS FILE SAVE DATE: November 2, URS JOB NUMBER 12008496 2009

	COVER SHEET	& 52N	- WEST	TES ABBREVIATIONS, SYMBOL					
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		

PLOTTED November 5, 2009 6:53 X:\MANATEE PROJECTS\12008496	3 AM PLOTTED BY: ELLIS, DAVID WA #11 HOLIDAY HEIGHTS\CADD\PLANS\PHASE 3\G-2 GENERAL NOTES.DWG		VERIFY SCALES: BAR IS ONE INCH	ON ORIGINAL DRAWING O	1 IF NOT ONE INCH ON THIS SHEET, ADJUST
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	<ol> <li>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.</li> <li>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.</li> <li>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</li></ol>	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	<ol> <li>THE CONTRACTOR SHALL COORDINATE TIE-INS WITH EXISTING SERVICES OWNERS.</li> <li>ACCESS TO EXISTING RESIDENCES MUST BE MAINTAINED AT ALL TIMES. ACCESS PLANS DETAILING EACH DRIVEWAY CROSSING.</li> <li>PIPE MATERIAL SHALL BE C900 PVC FOR OPEN CUT INSTALLATION AND INSTALLATION. REFER TO SPECIFICATIONS.</li> <li>CONTRACTOR IS RESPONSIBLE FOR PREPARING AND OBTAINING APPROVA PLANS.</li> <li>REFER TO THE LATEST EDITION OF THE MANATEE COUNTY STANDARDS IN SECURICATIONS CONCERNING DIDE ENTINGS VALVES AND ETC.</li> </ol>	Ruction shall be in conformance with the l """"""""""""""""""""""""""""""""""""	<ol> <li>ALL COMPONENTS OF THE WATER MAIN SYSTEM SHALL BE PRESSURE TO ACCEPTANCE BY THE ENGINEER. PRESSURE &amp; 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.</li> <li>THE CONTRACTOR IS TO "PROTECT IN PLACE" THE FACILITIES THAT AI REMOVED, BUT ARE TO REMAIN IN PLACE.</li> <li>THE CONTRACTOR IS TO ADJUST OR RELOCATE ALL THE FACILITIES TH COUNTY STANDARDS.</li> <li>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.</li> </ol>
HOLIDAY HEIGHTS WATER MAIN REPLACEMENT FOR MANATEE COUNTY GOVERNMENT MANATEE COUNTY, FLORIDA	TREE LEGEND $TREE Second Strengthere is the second strengthere is t$		S WITH THE COUNTY AND PROPERTY CONTRACTOR SHALL PREPARE MOT AND ID HDPE DR-11 FOR DIRECTIONAL DRILL WAL FROM MANATEE COUNTY FOR ALL MOT DATED MARCH, 2009 FOR TECHNICAL	HORI: DOT VI	ARE TESTED & BACTERIOLOGICAL TESTED PRIOR L TESTS TO BE IN ACCORDANCE WITH HYDROSTATIC PRESSURE TEST FOR TWO . CONTRACTOR TO NOTIFY OWNER'S ENGINEER WATER MAIN MAY NOT BE PLACED INTO MATER MAIN MAY NOT BE PLACED INTO ARE NOT TO BE RELOCATED AND/OR THAT FALL IN CONFLICT IN ACCORDANCE WITH THAT FALL IN CONFLICT IN ACCORDANCE WITH ABLE LINE ITEMS. RED-LINE DRAWINGS SHALL ID AS PART OF THE PAY APPLICATION REVIEW
PHAS	$M.P. = METER POLE = ELECTRIC UTILITY BOX (TRANS \approx PL = UNDERGROUND POWER PAINT\Rightarrow ELECTRIC UTILITY BOX (TRANS \approx PL = UNDERGROUND POWER PAINT\Rightarrow ELECTRIC UTILITY BOX (TRANS \approx FLECTRIC UTILITY BOX\Rightarrow ELECTRIC UTILITY BOX\Rightarrow FLARED END SECTION= RAFFIC SIGNAL UTILITY BOX= RAFFIC SIGNAL POLESAMITARY LINE C.P. = REINFORCED END SECTION= CARUGATED KITARY SEWER PIPE & MANH R.C.P. = REINFORCED CONCRETE PIPEV.C.P. = NITRIFED CLAY PIPEV.C.P. = NITRIFED CLAY PIPEV.C.P. = APPROXIMATE LOCATION OF UI & GAS LINE WITH GAS VALVE, G & GAS LINE WARNING SIGNM.B. BE = MAILBOX$	♥ ♥ ♥ ♥   ⊗ ◆ ◆   □   □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □			

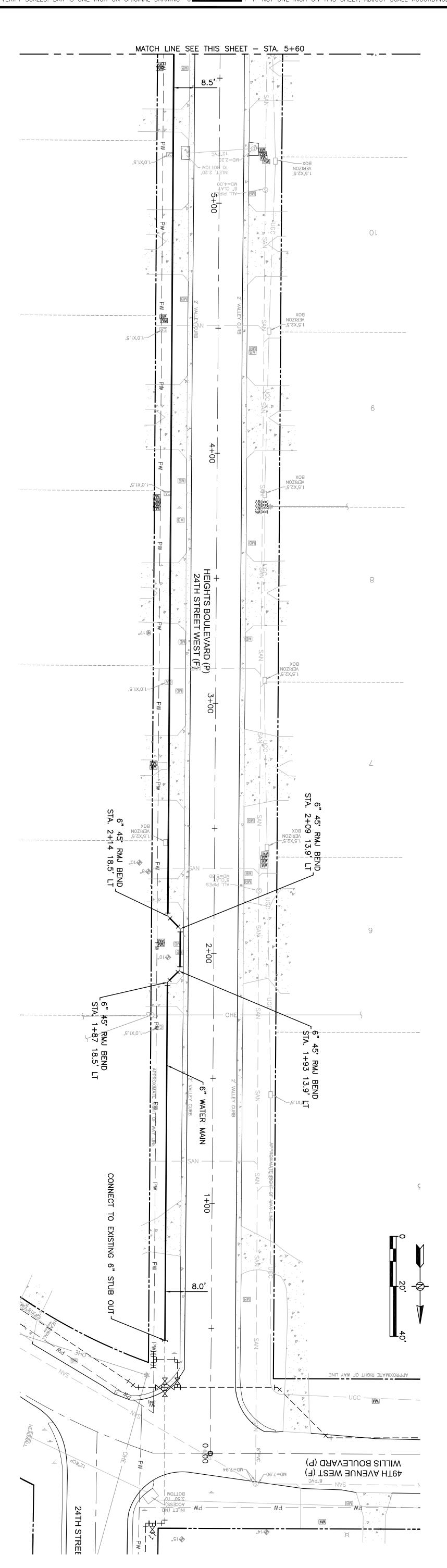
MANATEE PROJECTS\12008496	WA #11 HOLIDAY HEIGHTS\CADD\PLANS\PHASE 3\G-2 GENERAL NOTES.DWG	VERIFY SCALES: BAR IS ONE INCH ON ORIGINAL DRAWING O 1 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDIN
MANATEE PROJECTS 12008499	<ul> <li>PREVENT SILTATION OF ADJACENT PROPERTY STRETHER BY NATURAL DRAINAGE OR VEHICILAR TRAE EARTH TO THE SATISFACTION OF THE ENGINEER AD DEVICES AND THEIR COMPLETE REMOVAL ARE TO EITEM.</li> <li>15. THE CONTRACTOR SHALL PROVIDE ROUTINE MAINTE FEATURES UNTIL THE PROJECT IS COMPLETE AND J. FEATURES UNTIL THE PROJECT AREA, FOR THE DURA MADE FOR THE WORK INVOLVED.</li> <li>17. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING GROUND THAT MAY OCCUR AS A RESULT OF THIS OF THE WORK INVOLVED.</li> <li>18. A VERTICAL CLEARANCE OF 18 INCHES SHALL BE I FOR AREQUIRED TO PROVIDE A MINIMUM SEPARATION THE WATER MAIN WITHIN 20 FEET ON EACH SID MUST BE USED TO PROVIDE A MINIMUM SEPARATION FILE WAITER MAIN SAND RECLAIMED WATER MAIN SAND RECLAIMED WATER MAIN ENCASED IN CONCRETE TO OBTAIN THE EQUIVALEN</li> </ul>	CENERAL NOTES     Scher According     Scher Nacional Derawing     The Contractor Shall version the destinations, electronic and the sevent schere according     Scher Nacional State according to the destination and the sevent schere according to the sevent schereal to the sevent schereal to the sevent scher
DATE DESCRIPTION	WERS, AND WATERWAYS. IF IN THE OPINION S OF EARTH ARE TRANSPORTED OFF-SITE IRACTOR IS TO REMOVE AND CLEAN SAID THES. THE MAINTENANCE OF EROSION CONTROL S ARE STABILIZED FOR EACH INDIVIDUAL OF THE EXISTING DRAINAGE SYSTEM WITHIN ROJECT. NO ADDITIONAL PAYMENT WILL BE IN THIS CONTRACT TWEEN SANITARY SEWERS AND WATER MAINS. AAIN, THE SEWER MAIN SHALL BE ENCASED IN FULCT POINT. SUFFICIENT LENGTHS DI PIPE BETWEEN ANY TWO JOINTS. ALL JOINTS ARE O FEET BETWEEN MAY TWO JOINTS. SPECIAL ERNATIVELY, THE SANITARY SEWERS, STORM DSSING CAN BE PLACED IN SLEEVES OR EET SEPARATION BETWEEN JOINTS.	10 VERTICAL DATUM OF 1929 (N.G.V.D 13. STRUCTURES, AND OTHER FEATURES ARE 24. CONSTRUCTION OF THESE PLANS. THE 15. TO CONSTRUCTION TO OBTAIN FIELD LOCATIONS OF 15. TO CONSTRUCTION TO OBTAIN FIELD LOCATIONS OF 15. TO DAMAGES RESULTING FROM FALLURE TO 15. DOMENSIONS OF ALL EXISTING UTILITIES. 15. TO BE REQUIRED PRIOR TO 15. TO BE REQUIRED PRIOR TO 15. TO BE REQUIRED THE ENGINEER ALONG WITH 25. EVENTTED TO THE ENGINEER ALONG WITH 25. EVENTTED TO THE ENGINEER ALONG WITH 25. TO DAMAGE CAUSED BY THE 26. TO THE SATISFACTION OF THE ENGINEER 20. THIS WORK. SHALL BE INCLUDED IN 27. ANY DAMAGE CAUSED BY THE 26. FOR THIS WORK SHALL BE INCLUDED IN 27. ANY DAMAGE CAUSED BY THE 26. FOR THIS WORK SHALL BE INCLUDED IN 27. TO BE PROTECTED. IF IN DANGER OF 20. THE SCAVATION SAFETY STANDARDS, 29 20. SIONS OR UPDATES TO THE STANDARDS, 29 20. SIONS OR UPDATES TO THE STANDARDS AS 20. THE CONTRACTON, SHALL BE 20. THE CONTRACTON, SHALL BE 20. THE CONTRACT, SHALL COMPLY WITH THE 20. THE STANDARDES TO THE STANDARDS AS 20. THE CONTRACT, SHALL COMPLY WITH THE 20. AND WATER AND SAFERIAL AND THE PROPER ALL EXCESS MATERIAL AND THE PROPER ARRIER (HAY BALES OR SILTATION CURTAIN) TO ARRIER WITH WITH THE POPINION OF
URS JOB NUMBER 12008496 PM: D. WILCOX ENG: D. WILCOX DRW: D. ELLIS FILE SAVE DATE: August 27, 2009	ARGS       Associates Inc.         SIONAL SURVEYING LB 6113       Els 6013         I.S. HIGHWAY 19 SUITE 500       ATER, FLORIDA 33764 (727)         Jo       FLORIDA OPWER AND LIGHT (941) 739-33         I851 WHITFIELD AVE.       SARASOTA FLORIDA, 34243         VERIZON (941) 752-8080       6416 14TH STREET WEST         BRADENTON FLORIDA, 34207       ATIN: D. HUTTON         TECO/PEOPLES GAS       8261 VICO COURT         SARASOTA FLORIDA, 34200       TEL: 941-342-4026         ATTEN: TED FELEGY       ERIGHT HOUSE NETWORKS         BRIGHT HOUSE NETWORKS       4601 15TH. STREET EAST         BRADENTON, FLORIDA 34203       34203         TEL. 941-748-3816       34203         ATTEN: WALTER KROL       SEWER	<ul> <li>A LATERAL SEPARATION OF 10 FEET SHALL BE MAINTAINED E</li> <li>ALL PROPOSED MAINS SHALL HAVE A MINIMUM OF 36 INCHES ALL COMPONENTS OF THE WATER MAIN SYSTEM SHALL BE SUBJECT TO ACCEPTANCE BY THE ENGINEER. PRESSURE &amp; BACTERIO PROJECT SPECIFICATIONS. WATER MAINS SHALL BE SUBJECT HE CONTRACTOR IS TO ADJUST OR RELOCATE ALL THE FACILITIES ENVICE UNTIL CLEARED BY COUNTY HEALTH DEPARTMENT.</li> <li>THE CONTRACTOR SHALL PROVIDE DETAILED RECORD DRAMING WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE 7 BE CURRENT WITH EACH PAY APP SUBMITTED AND WILL BE CONTRACTOR SHALL BE IN CONFORMANCE WITH UTILITY STANDARDS.</li> <li>WHERE PARALLEL WATER AND SEVER MAINS HAVE LESS THAN LENGTHS OF DIP SHALL BE USED WITH THE JOINTS STAGGERE</li> <li>PIPE JOINT DEFLECTION SHALL BE IN CONFORMANCE WITH UTILITY STANDARDS.</li> <li>WHERE PARALLEL WATER AND SEVER MAINS HAVE LESS THAN LENGTHS OF DIP SHALL BE USED WITH THE JOINTS STAGGERE</li> <li>PIPE JOINT DEFLECTION SHALL NOT EXCEED 80% OF THE MAN SIZE AND TYPE OF JOINT.</li> <li>THE CONTRACTOR SHALL EMPLOY A LAND SURVEYOR REGISTER RESTORE PROPERTY CORNERS AND LANDMARKS THAT MAY BE THE CONTRACTOR SHALL COORDINATE TEL-INS WITH EXISTING PLANS.</li> <li>CONTRACTOR IS RESIDENCES MUST BE MAINTAINED AT AL ACCESS PLANS DETAILING EACH DERIVERY CROSSING.</li> <li>CONTRACTOR IS RESPONSIBLE FOR PREPARING AND OBTAINING PLANS.</li> <li>REFER TO THE LATEST EDITION OF THE MANTER LINE PIPE AND APPURTEMA SPECIFICATIONS CONCERNING PIPE, FITTINGS, VALVES AND ETAILING PRESSURE TEST AND BACTERIAL TEST NEW WAT SUT EXISTING PIPE AND INSTALL SHUT-OFF VAL CUT EXISTING PIPE AND MATER LINE PIPE AND APPURTEMA SUT EXISTING PIPE AND MATER LINE PIPE.</li> <li>SURVEY PROVIDED BY:</li> </ul>
HOLIDAY HEIGHTS WATER MAIN REPLACEMENT FOR MANATEE COUNTY GOVERNMENT MANATEE COUNTY, FLORIDA	$TREE LEGEND$ $12" \otimes 12" OK TREE$ $12" \otimes 12" OK TREE$ $12" \otimes 12" OK TREE$ $12" \otimes 12" MULOW TREE$ $12" \otimes 12" MULOW TREE$ $12" \otimes 12" MULBERRY TREE$ $12" \otimes 12" KOULOW TREE$ $12" = 12" KOULOW TREE$ $12$	ETWEEN WATER MAINS AND SANITARY SEWER. : OF COVER. ESSURE TESTED & BACTERIOLOGICAL TESTED PRIOR OGAL TESTS TO BE IN ACCORDANCE WITH ITHAT ARE NOT TO BE RELOCATED AND/OR THAT ARE NOT TO BE RELOCATED AND/OR ILITIES THAT FALL IN CONFLICT IN ACCORDANCE WITH S. ANY AND ALL EXPENSES INCURRED FOR THIS SHOULD AS PART OF THE PAY APPLICATION REVIEW THE LATEST VERSION OF THE MANATEE COUNTY INFE LATEST VERSION OF THE MANATEE COUNTY INFE LATEST VERSION OF THE MANUFACTURER FOR THE RED IN THE STATE OF FLORIDA TO REFERENCE AND DISTURBED BY CONSTRUCTION. SERVICES WITH THE COUNTY AND PROPERITY L TIMES. CONTRACTOR SHALL PREPARE MOT AND TION AND HDPE DR-11 FOR DIRECTIONAL DRILL APPROVAL FROM MANATEE COUNTY FOR ALL MOT MOARDS DATED MARCH, 2009 FOR TECHNICAL MOARDS DATED MARCH, 2009 FOR TECHNICAL NOESS. ER MAIN. YE
PHASE 2 GENERAL NOTES	LITY BOX (TRANSFORMER) D POWER PAINT MARK DUTLET LITY BOX TER LIGHT LOCATION UNDERGROUND POWER LIN LOCATION UNDERGROUND POWER LIN VELL OLE CROSSING SIGN AL UTILITY BOX AL POLE TS SECTION SEC	PIPE AND FITTING SYMBOLS         Double line       Single line         Image: Single line       Image: Single line       Image: Single line         Image: Single line       Image: Single line       Image: Single line         Image: Single line       Image: Single line       Image: Single line         Image: Single line       Image: Single line       Image: Single line         Image: Single line       Image: Single line       Image: Single line         Image: Single line       Image: Single line       Image: Single line         Image: Single line       Image: Single line       Image: Single line         Image: Single line       Image: Single line       Image: Single line         Image: Single line       Image: Single line       Image: Single line         Image: Single line       Image: Single line       Image: Single line         Image: Single line       Image: Single line

All OFEX MAXE     All OFEX MAXE     SYMBOLLS AND ABBREVIATIONS     SYMBOLS AND ABBREVIATIONS     Service Relation and an analysis of the service and the service relations of the service relat	Image: A contract reduces     Image: A contract reduces       Image: A contract reduces     Image: A contract reduces <th>GLE LINE     GL. VALVE CONC. CONCRETE CPLC.     BAL. VALVE CONCRETE CPLC.       90' ELBOW     90' ELBOW       90' ELBOW     90' ELBOW       90' ELBOW     FL. ROTATED DOWN       90' ELBOW     FL. PL. ROTATED DOWN       90' ELBOW     FL. PL. PL. ROTATED&lt;</th>	GLE LINE     GL. VALVE CONC. CONCRETE CPLC.     BAL. VALVE CONCRETE CPLC.       90' ELBOW     90' ELBOW       90' ELBOW     90' ELBOW       90' ELBOW     FL. ROTATED DOWN       90' ELBOW     FL. PL. ROTATED DOWN       90' ELBOW     FL. PL. PL. ROTATED<
---	---	---

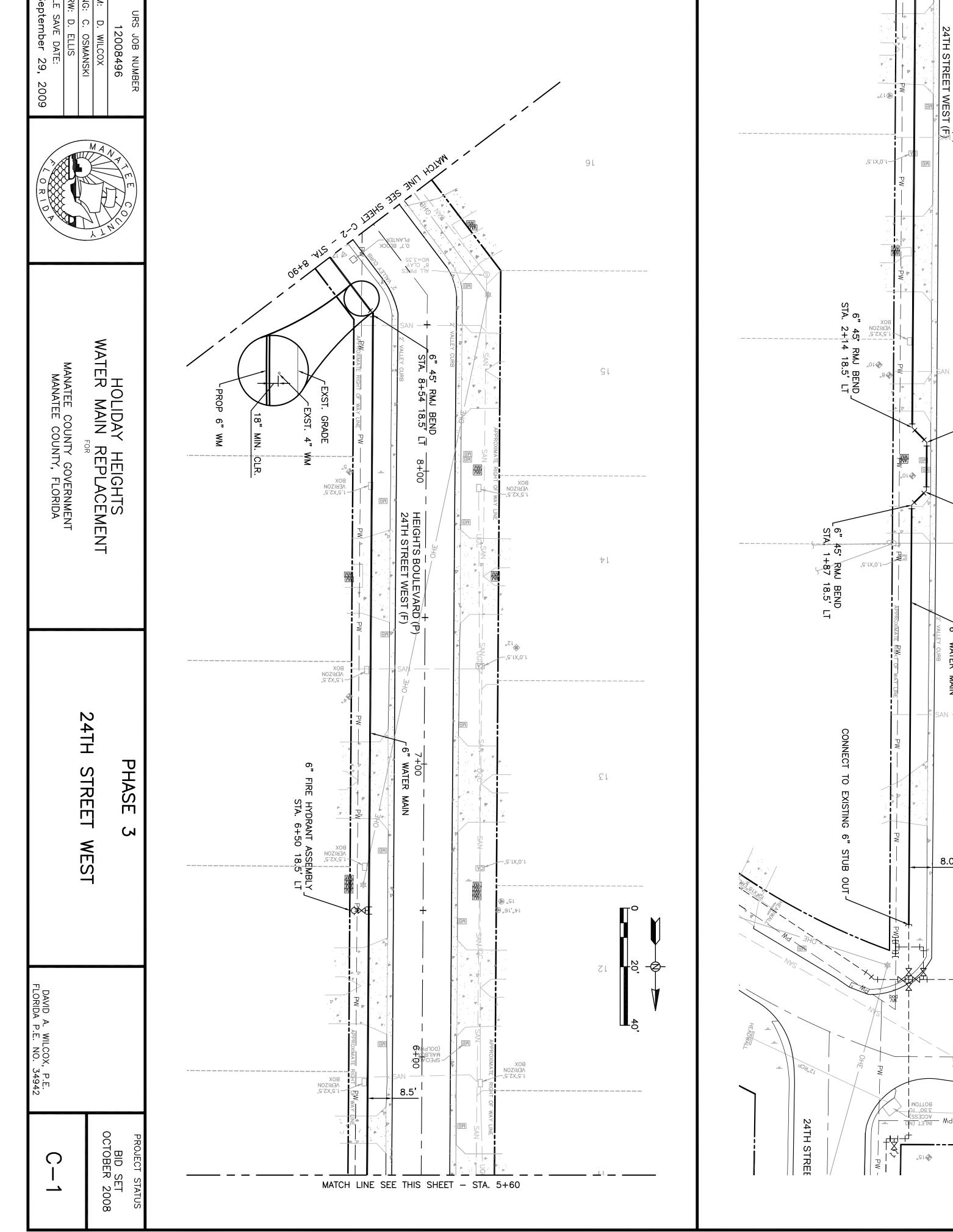


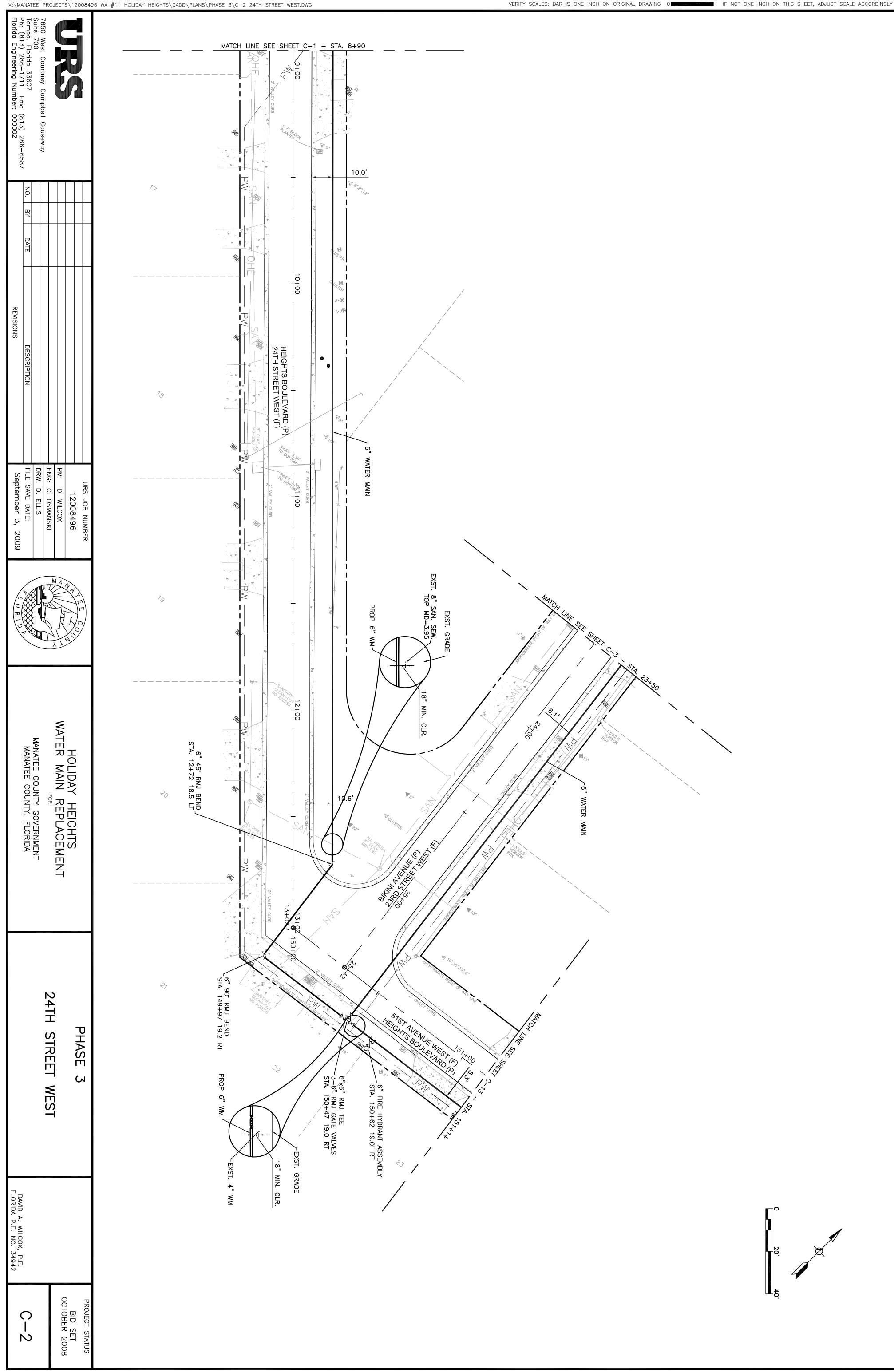
PLOTTED November 5, 2009 6:54 AM PLOTTED BY: ELLIS, DAVID X:\MANATEE PROJECTS\12008496 WA #11 HOLIDAY HEIGHTS\CADD\PLANS\PHASE 3\G-3 KEY SHEET.DWG

Florida Engineering Number: 000002	Tampa, Florida 33607	Suite 700	7650 West Courtney Campbell Causeway				
	NO.						
	BΥ						
	DATE						
REVISIONS	DESCRIPTION						
Se	FILE				PM.	 	

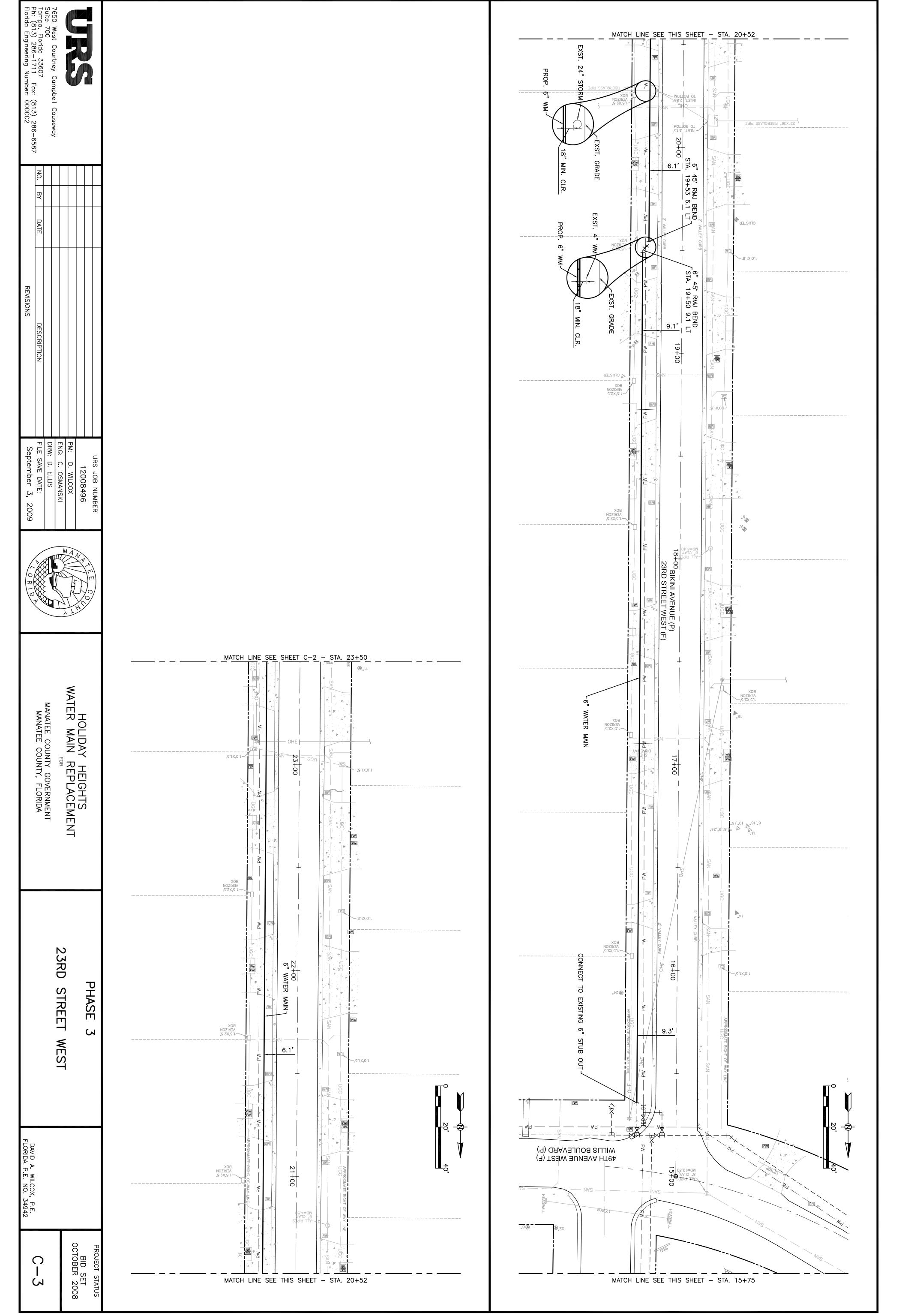


PLOTTED November 5, 2009 6:54 AM PLOTTED BY: ELLIS, DAVID X:\MANATEE PROJECTS\12008496 WA #11 HOLIDAY HEIGHTS\CADD\PLANS\PHASE 3\C-1 24TH STREET WEST.DWG



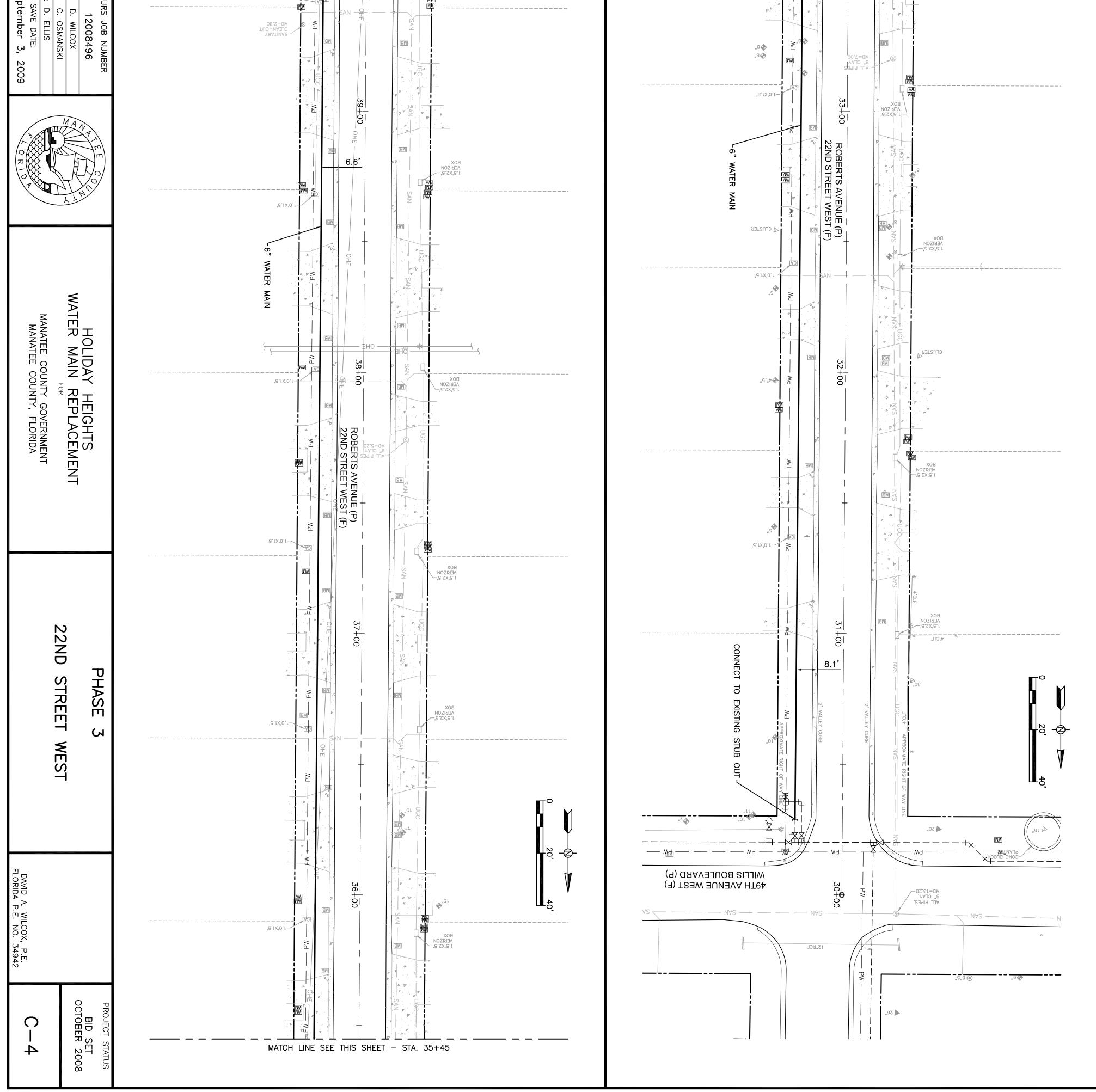


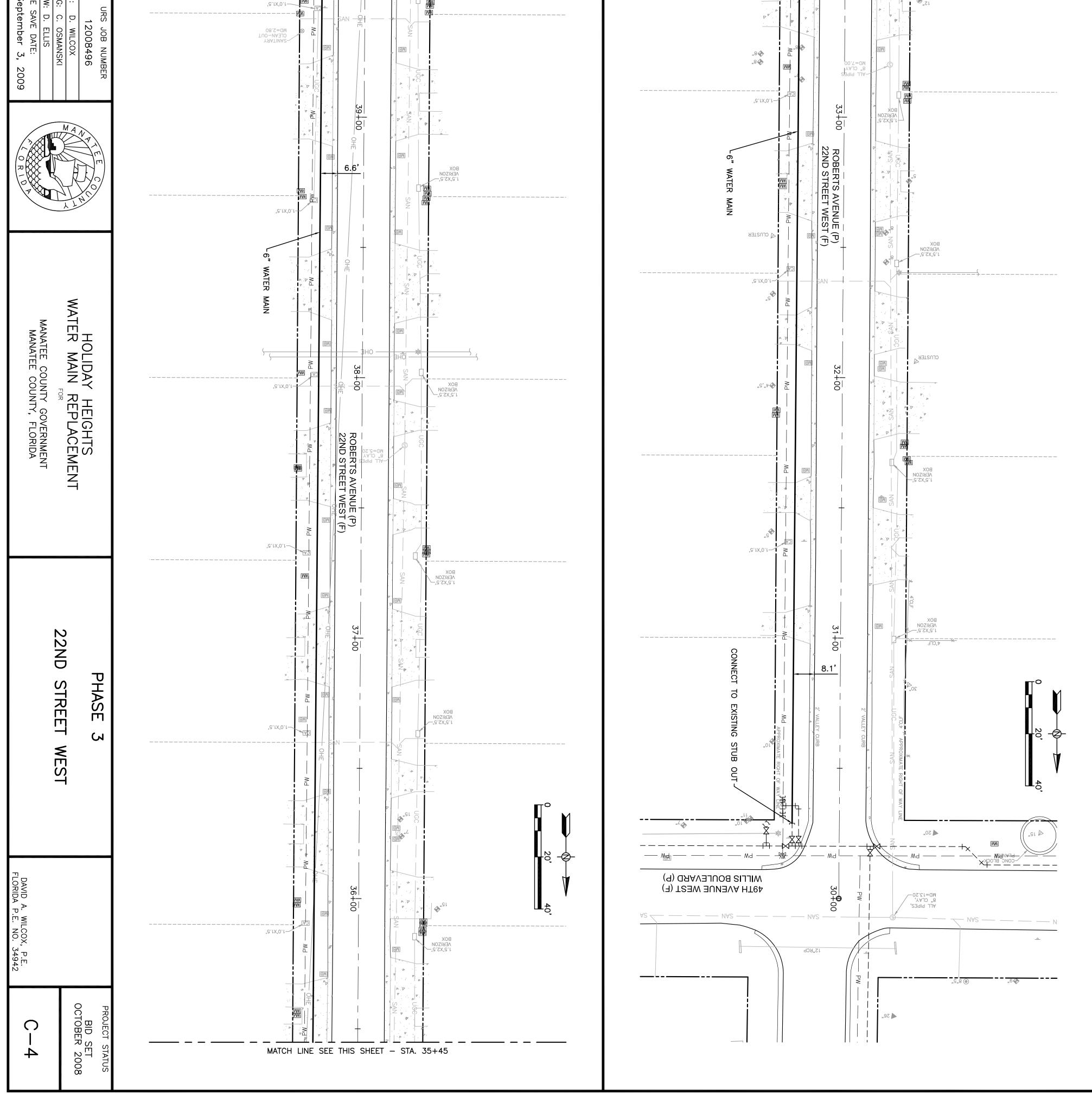
PLOTTED November 5, 2009 6:56 AM PLOTTED BY: ELLIS, DAVID



PLOTTED November 5, 2009 6:57 AM PLOTTED BY: ELLIS, DAVID X:\MANATEE PROJECTS\12008496 WA #11 HOLIDAY HEIGHTS\CADD\PLANS\PHASE 3\C-3 23RD STREET WEST.DWG

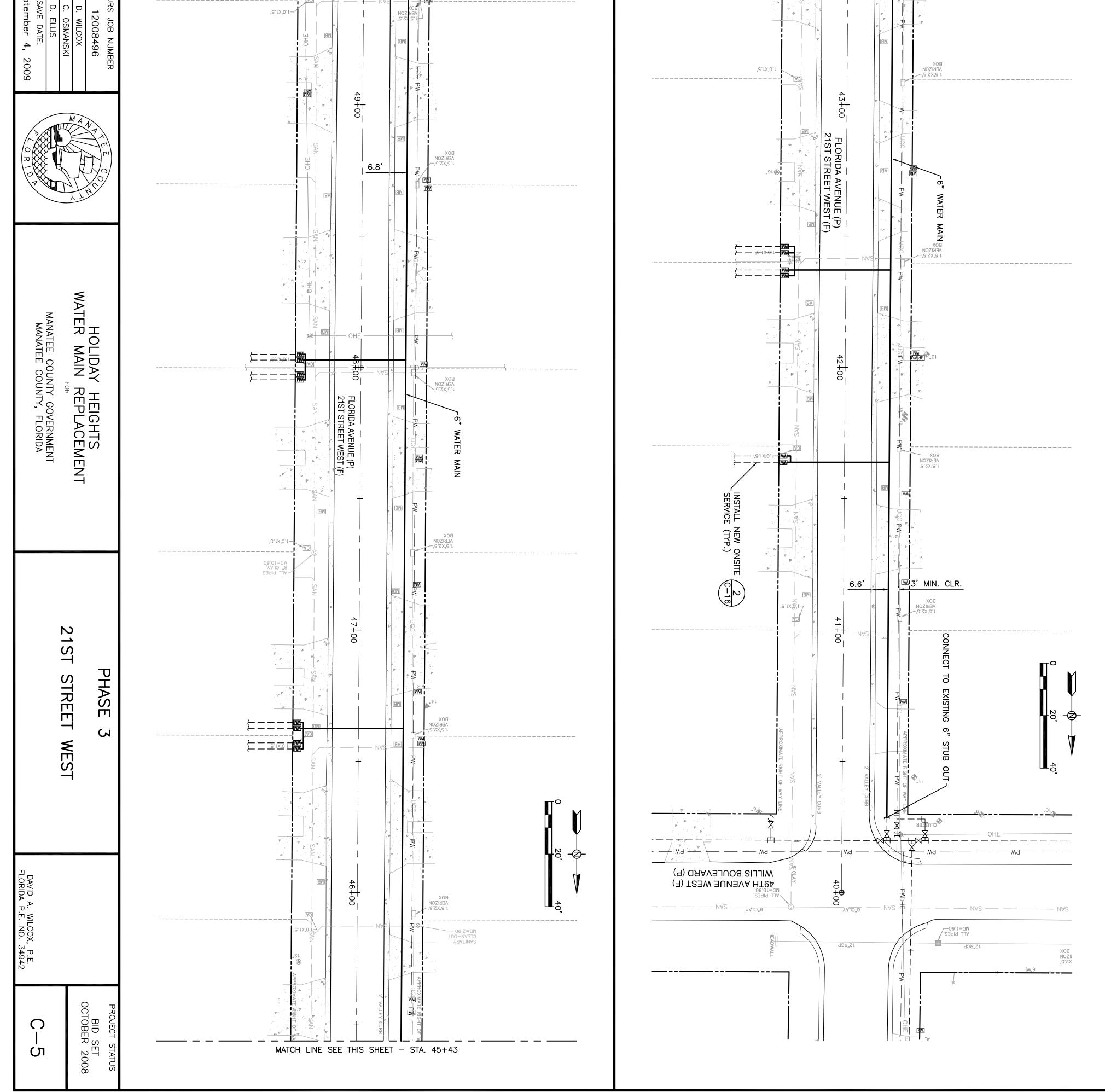
PLOTTED November 5, 2009 6:57 AM PLOTTED BY: ELLIS, DAVID X:\MANATEE PROJECTS\12008496 WA #11 HOLIDAY HEIGHTS\CADD\PLANS\PHASE 3\C-4 22ND STREET WEST.DWG	VERIFY SCALES: BAR IS ONE INCH ON ORIGINAL DRAWING O
750 West Courtney Campbell Causeway Suite 700 Tampa, Florida 33607 Ph: (813) 286–1711 Fax: (813) 286–6587 Florida Engineering Number: 000002	MATCH LINE SEE THIS SHEET - STA. 35+45
	P. 6" MIN. CLR WM CLR WM
	R R S <sup>1</sup> 1X,0 <sup>1</sup> L R R R R R R R R R R R R R
REVISIONS	
NS DESCRIPTION	
	BOX ACENIZON J. 2, X5, 2, SAN SAN ACENIZON ACENIZION ACENIZION ACENIZION ACENIZION ACENIZION ACENIZION ACENIZIONA ACENIZIONA ACENIZION ACENIZION ACENIZION ACENIZION ACENIZIONA ACENIZIONA ACENIZIONA ACENIZIONA ACENIZIONA ACENIZIONA ACENIZIONA ACENIZIONA ACENIZIONA ACENIZIONA ACENIZIONA ACENIZIONA ACENIZIONA ACENIZIONA ACENIZIONA ACENIZIONA ACENIZIONA ACENIZIONA
Ser FILE RUG: S'LX,O'L	

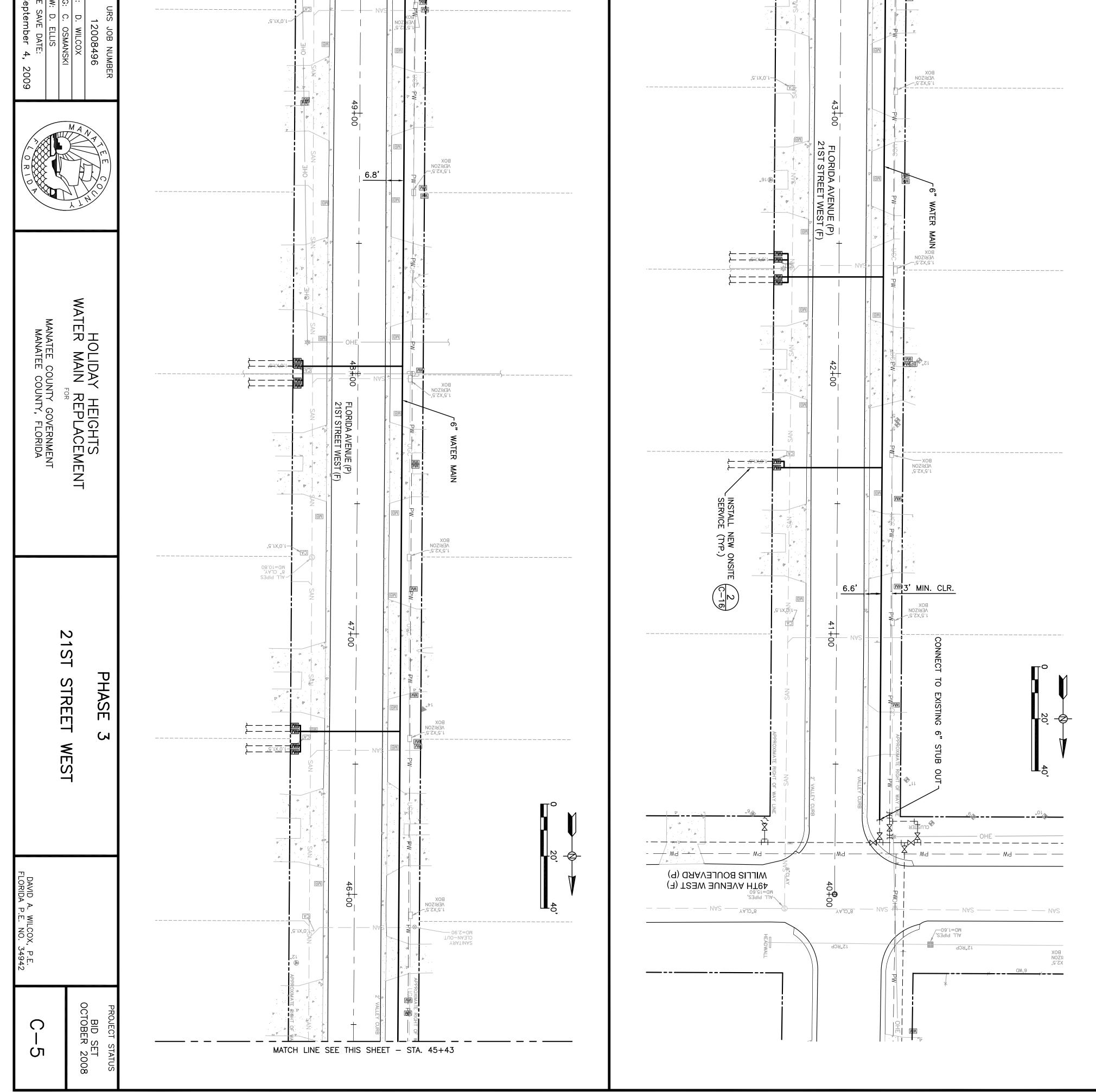


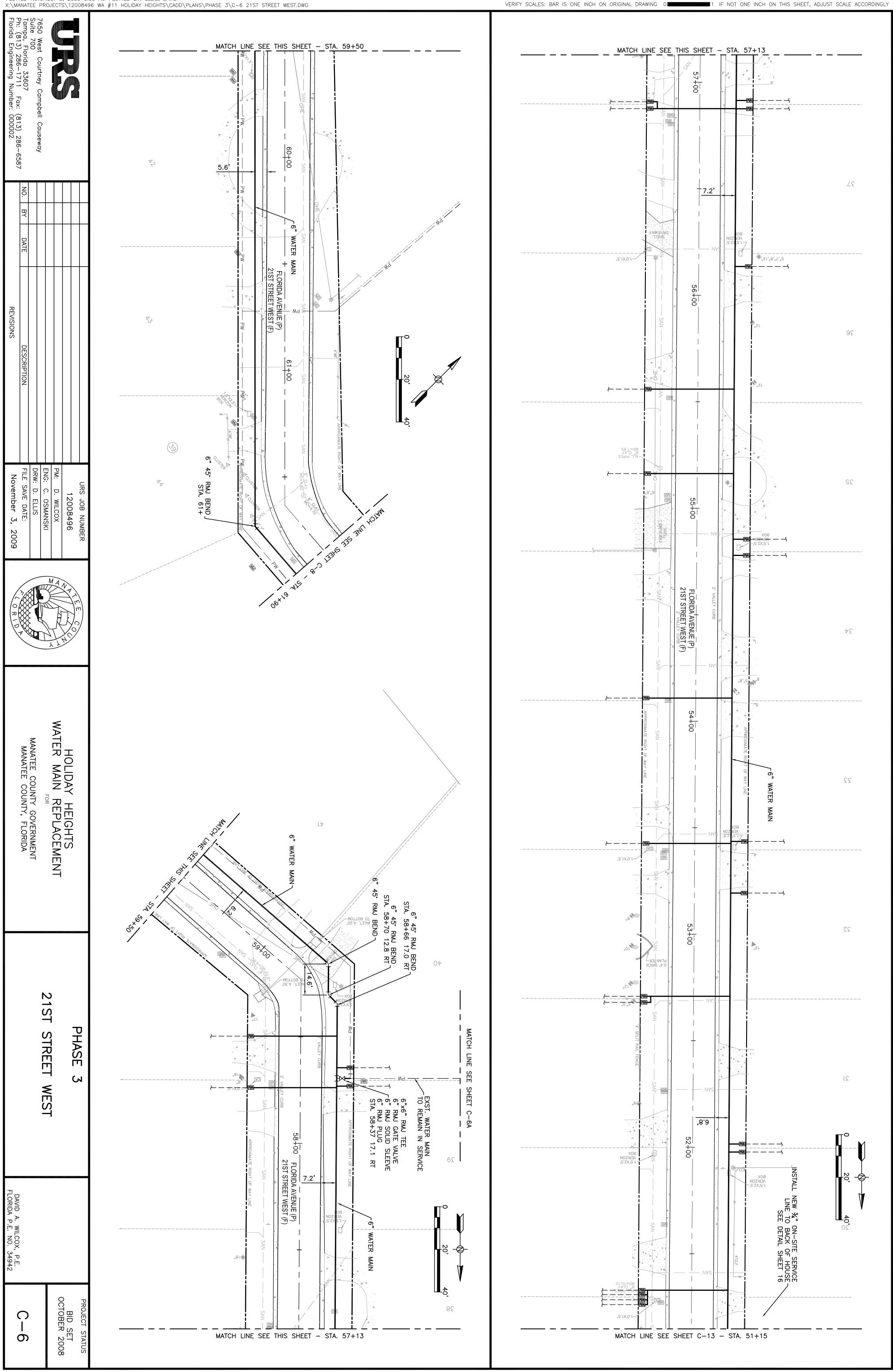


2LOTTED November 5, 2009 6:58 AM PLOTTED BY: ELLIS, DAVID :\MANATEE PROJECTS\12008496 WA #11 HOLIDAY HEIGHTS\CADD\PLANS\PHASE 3\C-5 21ST STREET WEST.DWG	VERIFY SCALES: BAR IS ONE INCH ON ORIGINAL DRAWING O
7650 West Courtney Compbell Causeway Suite 700 Ph: (813) 286–1711 Fax: (813) 286–6587 Florida Engineering Number: 000002	MATCH LINE SEE THIS SHEET - STA. 45+43
NO. BY   DATE	BUT BE STORM
REVISIONS	
MATCH LINE SEE SHEET C-13 - STA. 49+55       Sep FE R. O. R. O.	

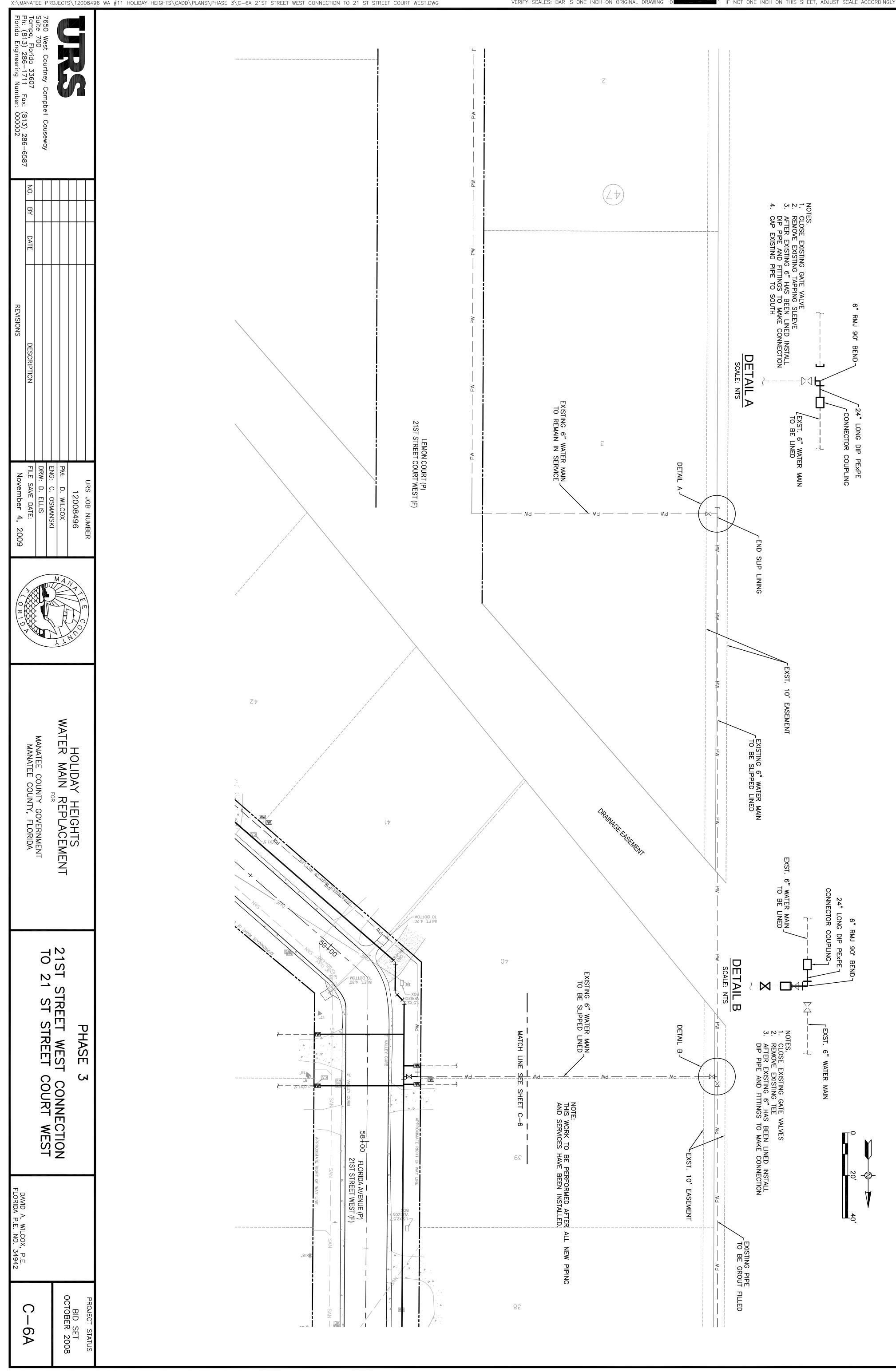
PLOTTED November 5, 2009 6:58 AM PLOTTED BY: ELLIS, DAVID



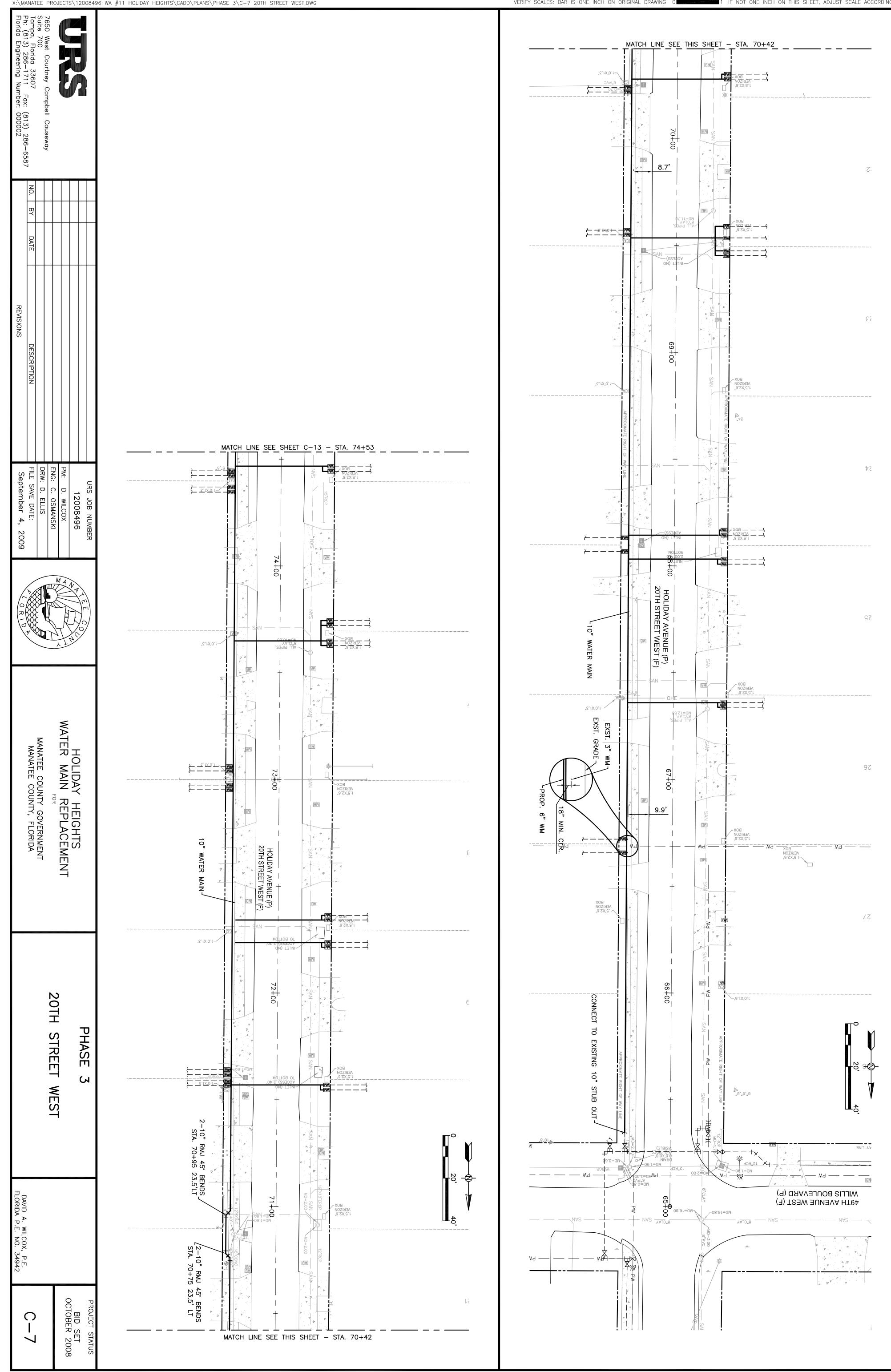




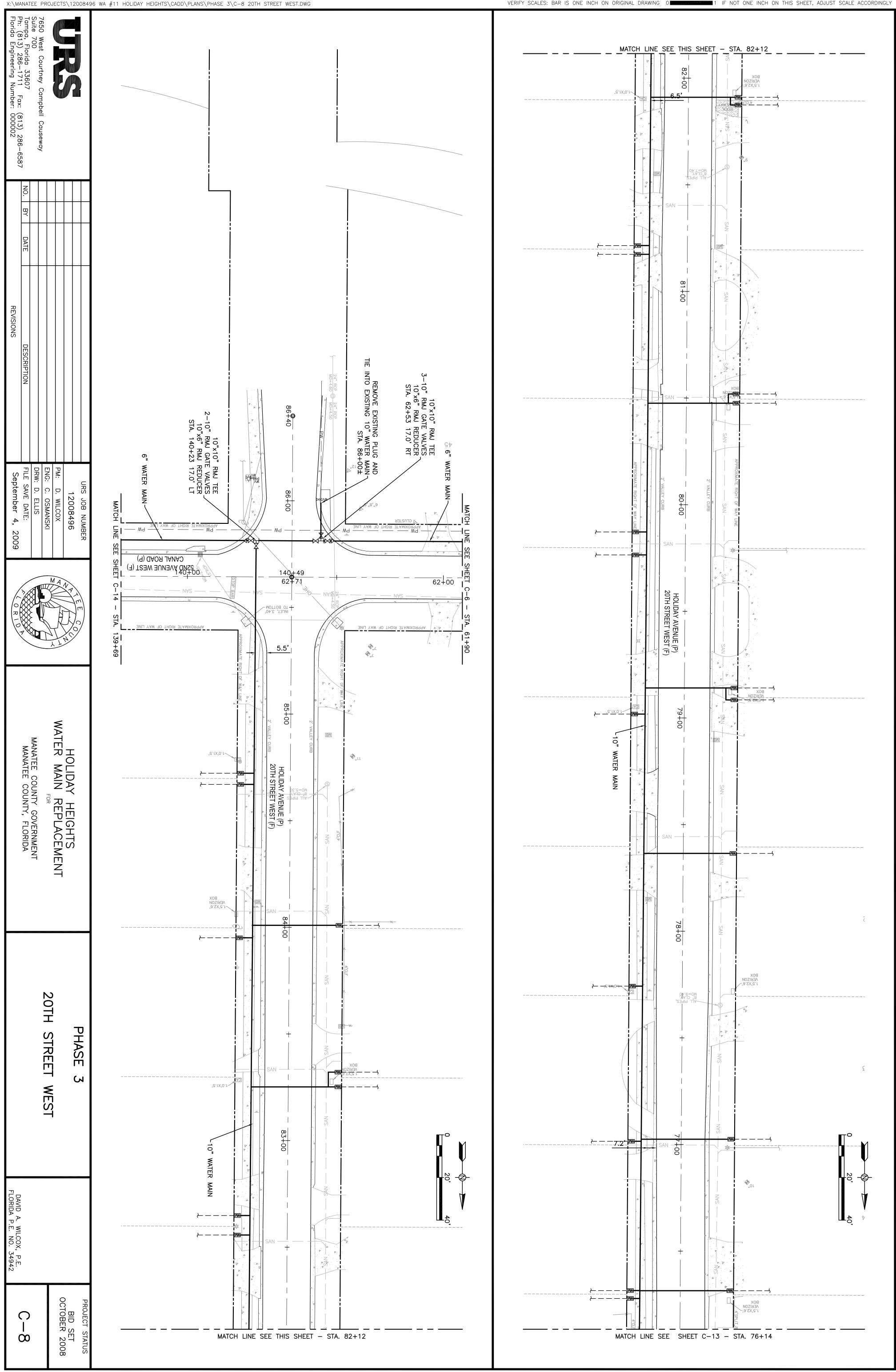
PLOTTED November 5, 2009 6:58 AM PLOTTED BY: ELLIS, DAVID X:\MANATEE PROJECTS\12008496 WA #11 HOLIDAY HEIGHTS\CADD\PLANS\PHASE 3\C-6 21ST STREET WEST.DWG



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

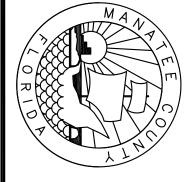


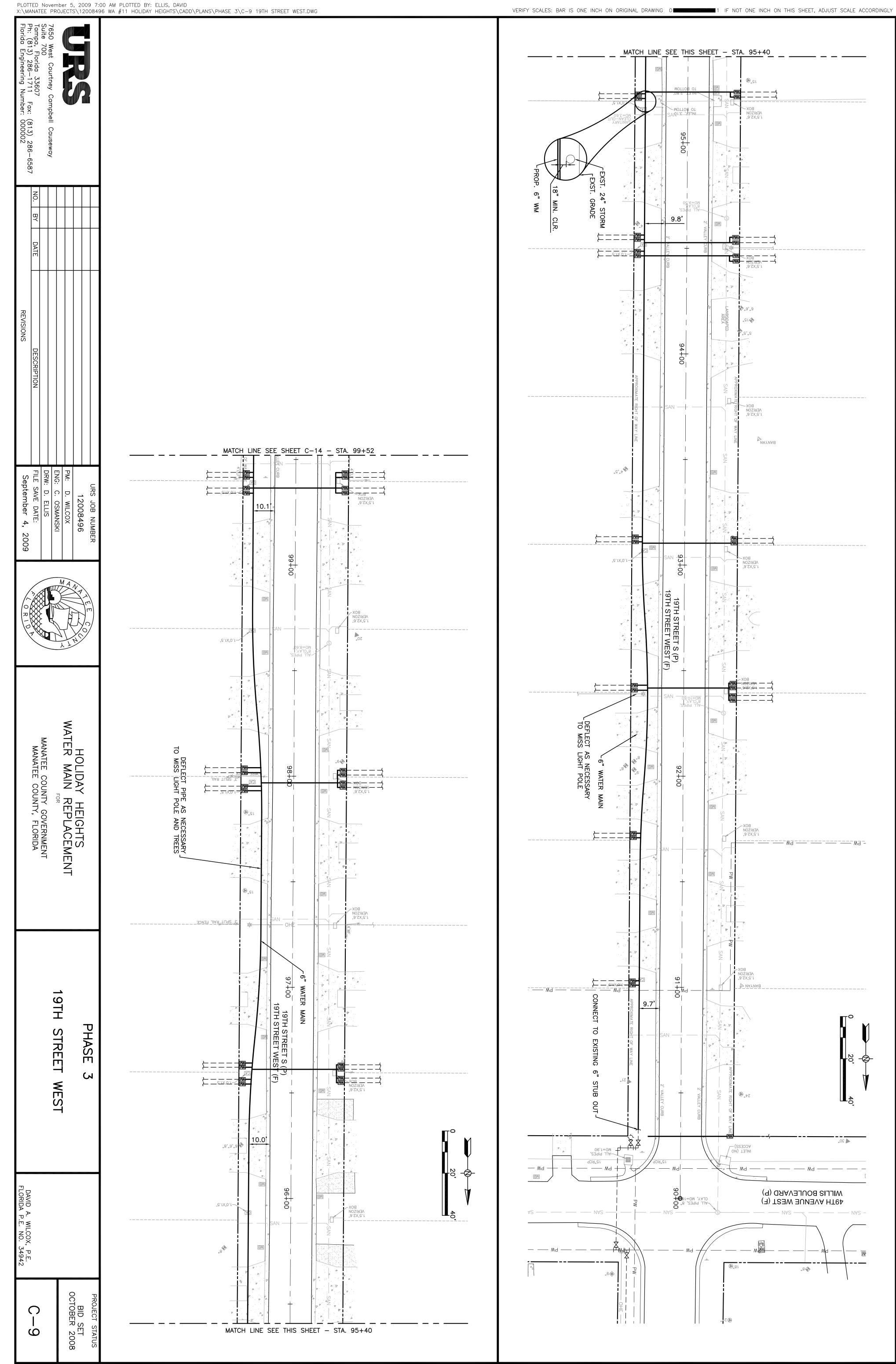
PLOTTED November 5, 2009 6:59 AM PLOTTED BY: ELLIS, DAVID X:\MANATEE PROJECTS\12008496 WA #11 HOLIDAY HEIGHTS\CADD\PLANS\PHASE 3\C-7 20TH STREET WEST.DWG



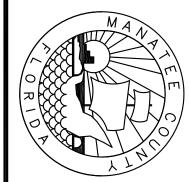
PLOTTED November 5, 2009 6:59 AM PLOTTED BY: ELLIS, DAVID X:\MANATEE PROJECTS\12008496 WA #11 HOLIDAY HEIGHTS\CADD\PLANS\PHASE 3\C-8 20TH STREET WEST.DWG





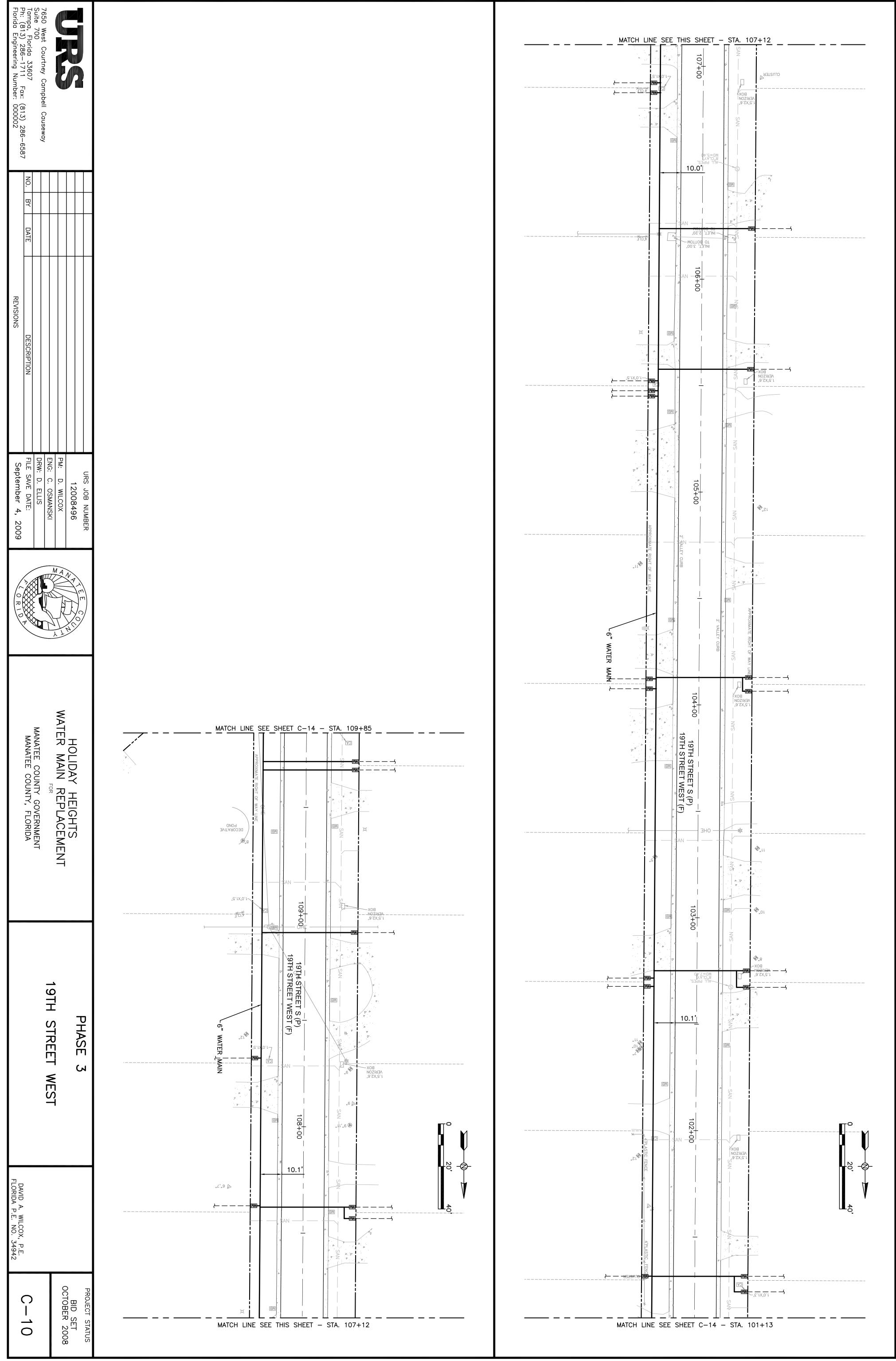




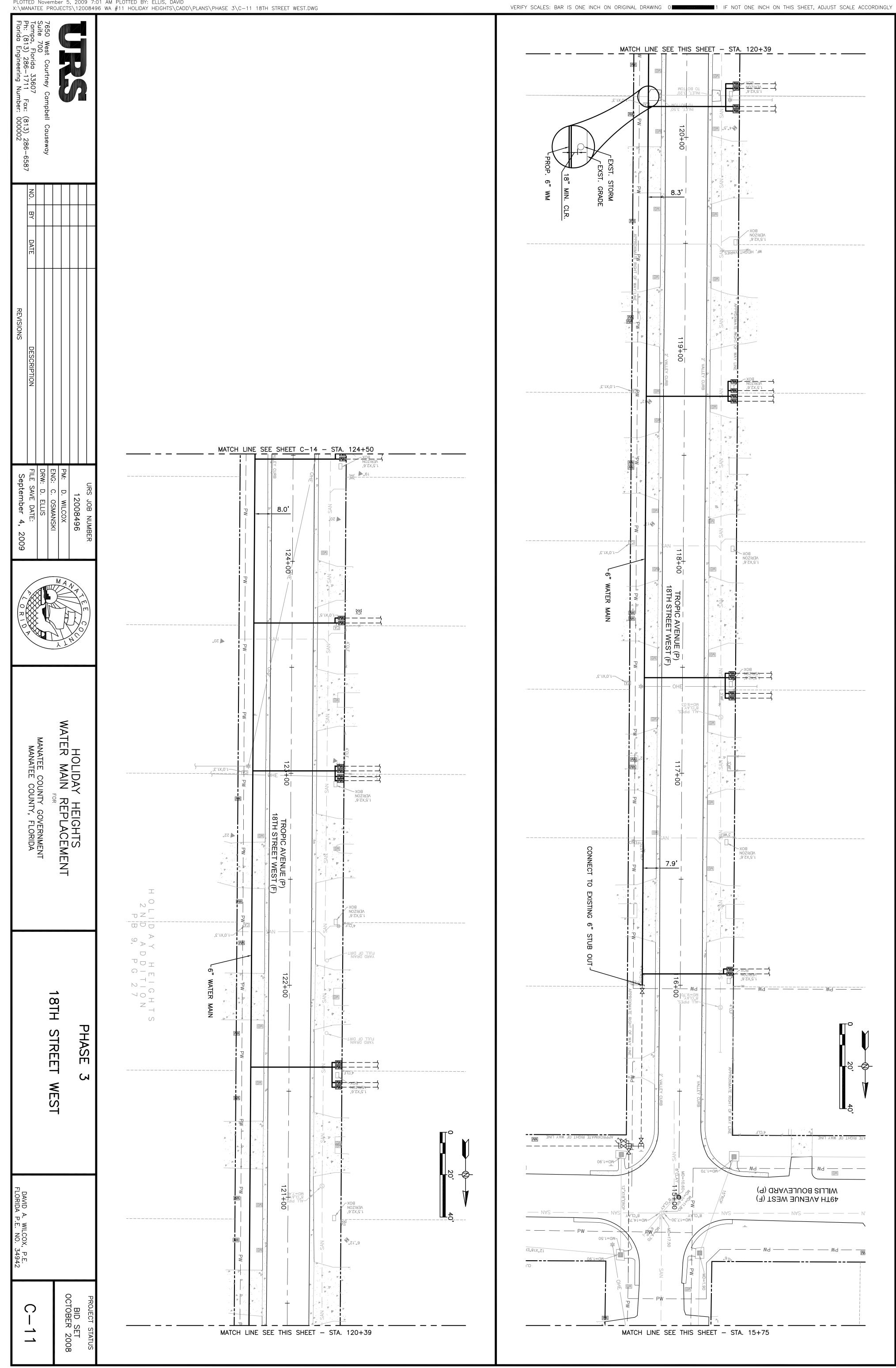


0	1.1	≥	122			_
pter	SAV		<u>.</u>	Ģ	<u> </u>	JRS
eptember	SAVE DATE:	ELLIS	NSO	WILCOX	200	JOB
ר 4	TE:	S	OSMANSKI	X0X	12008496	URS JOB NUMBER
2009					0	<b>IBER</b>
õ						

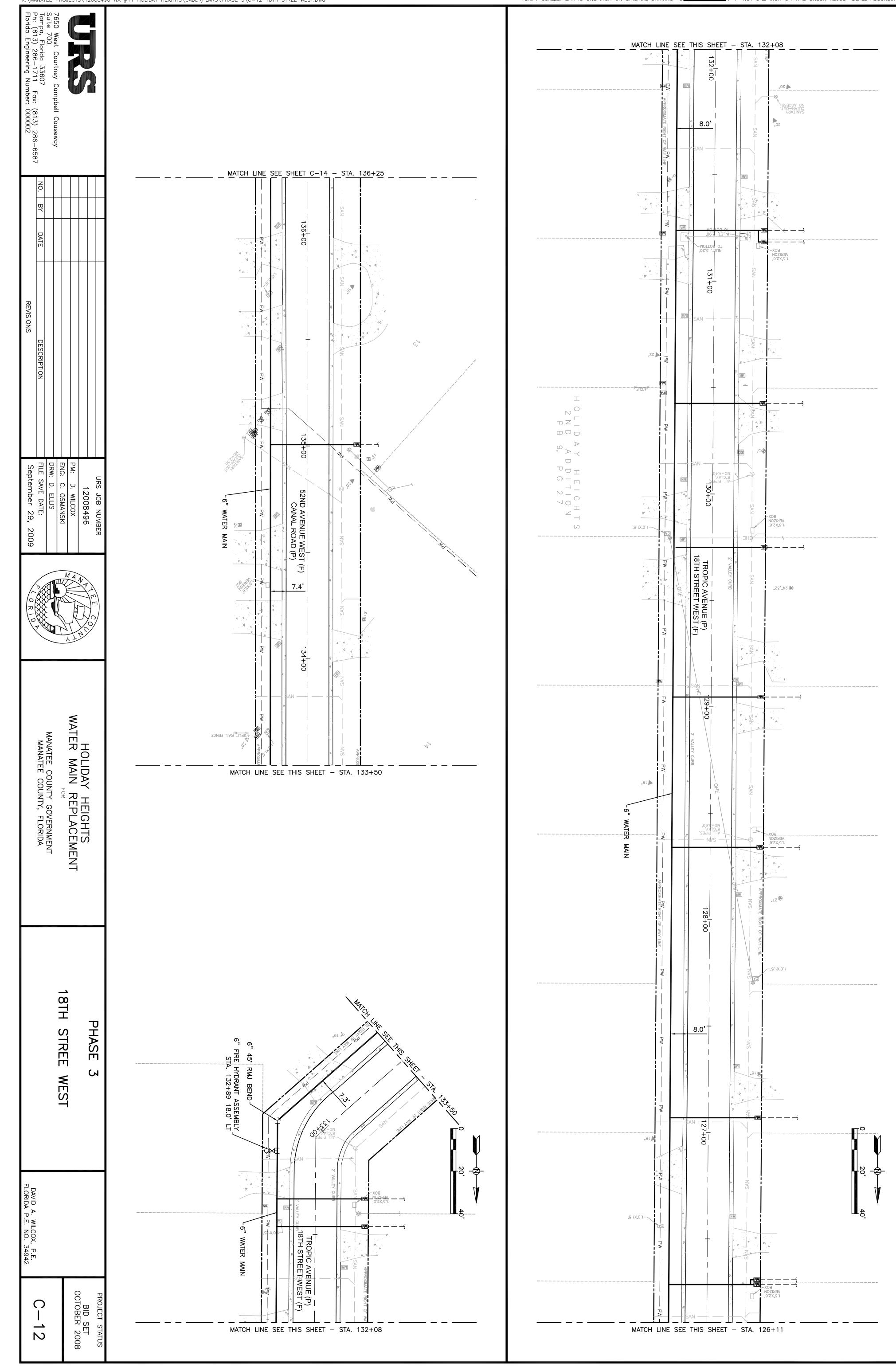
	Florida Engineering Number: 000002	Tampa, Florida 33607	Suite 700	7650 West Courtney Campbell Causeway				)
		NO.						
		ΒY						
		DATE						
	REVISIONS	DESCRIPTION						
	Se	FILE	URW:		FNG	PM:		



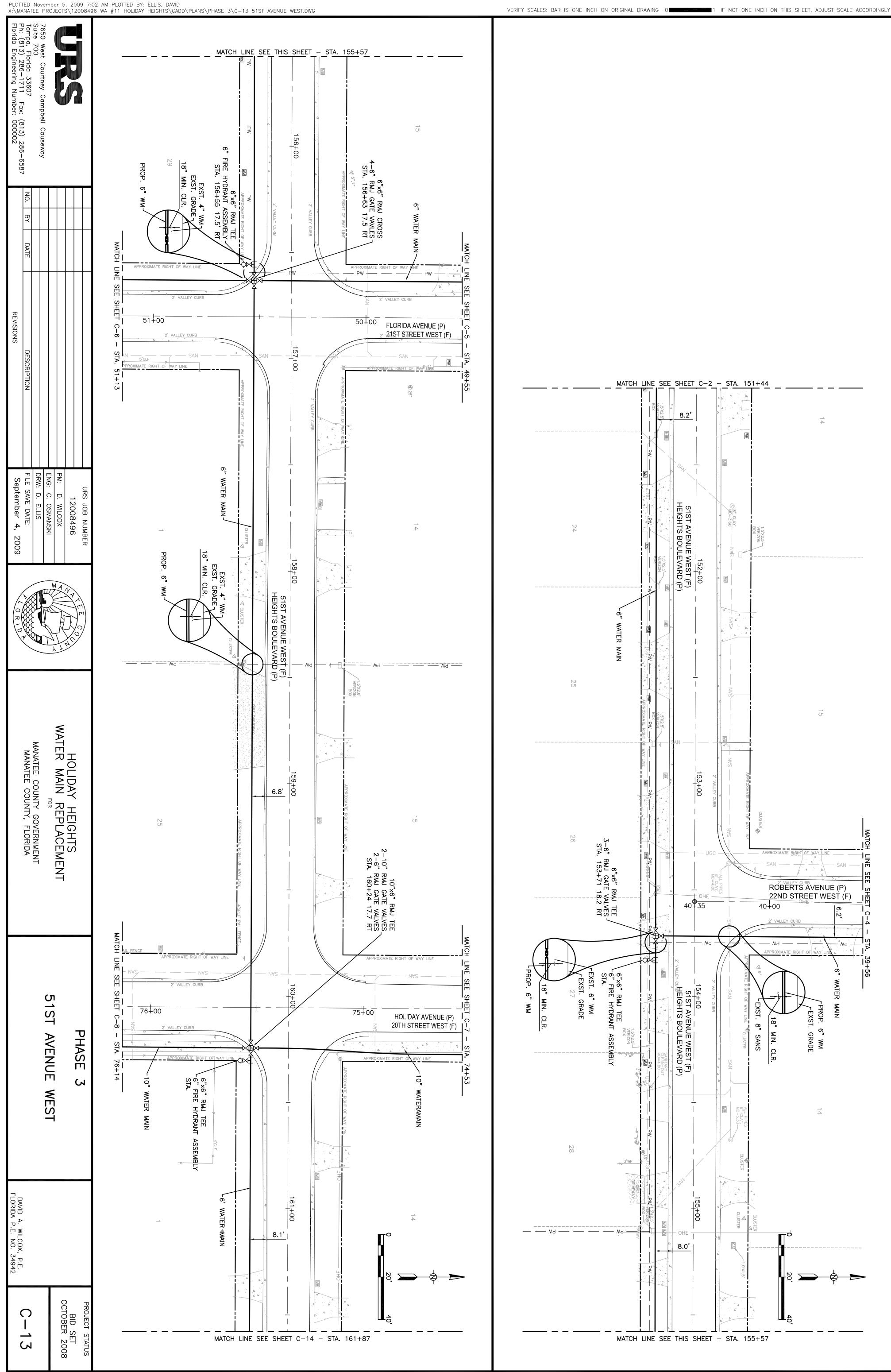
PLOTTED November 5, 2009 7:00 AM PLOTTED BY: ELLIS, DAVID X:\MANATEE PROJECTS\12008496 WA #11 HOLIDAY HEIGHTS\CADD\PLANS\PHASE 3\C-10 19TH STREET WEST.DWG

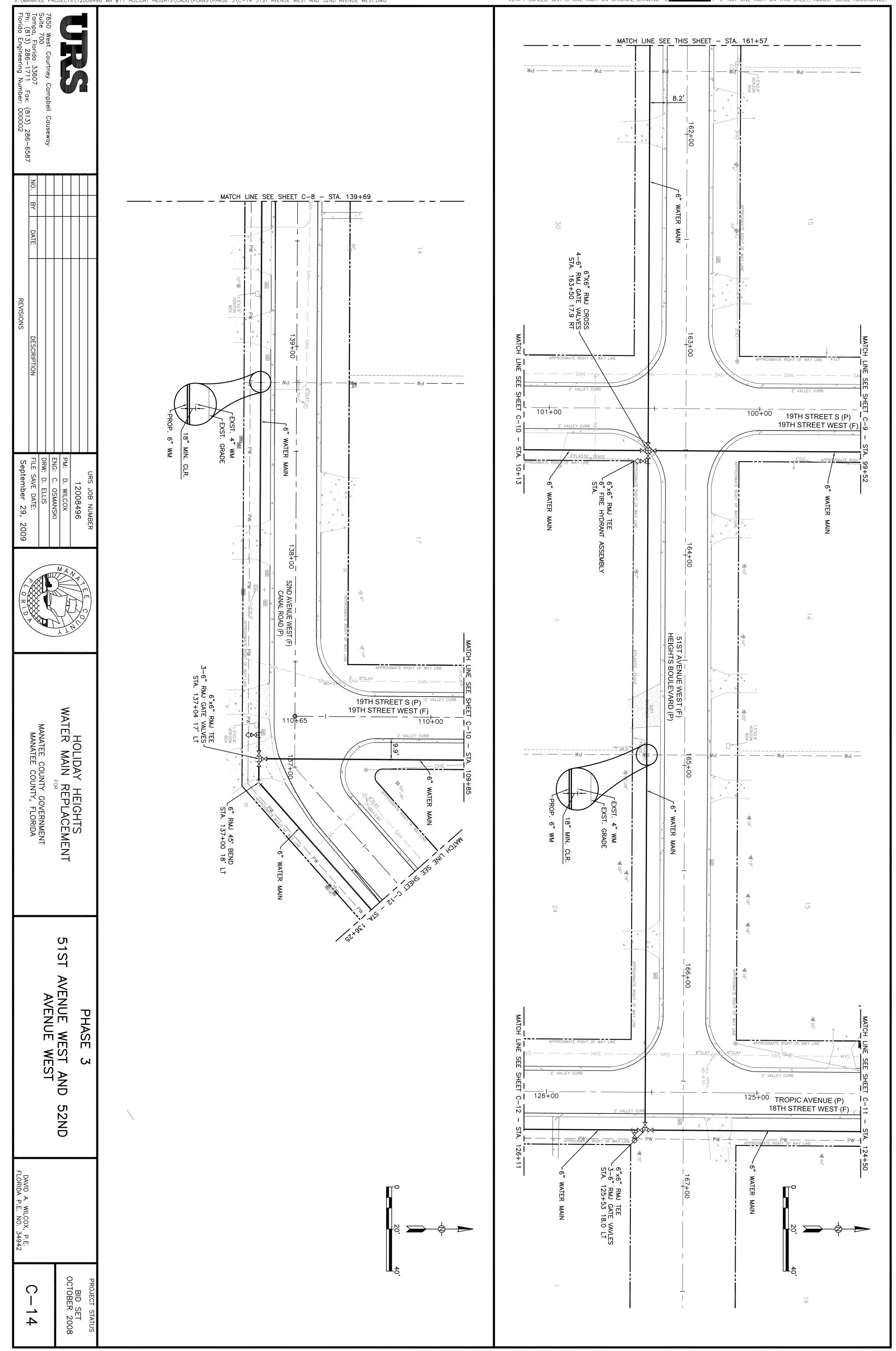


PLOTTED November 5, 2009 7:01 AM PLOTTED BY: ELLIS, DAVID X:\MANATEE PROJECTS\12008496 WA #11 HOLIDAY HEIGHTS\CADD\PLANS\PHASE 3\C-11 18TH STREET WEST.DWG

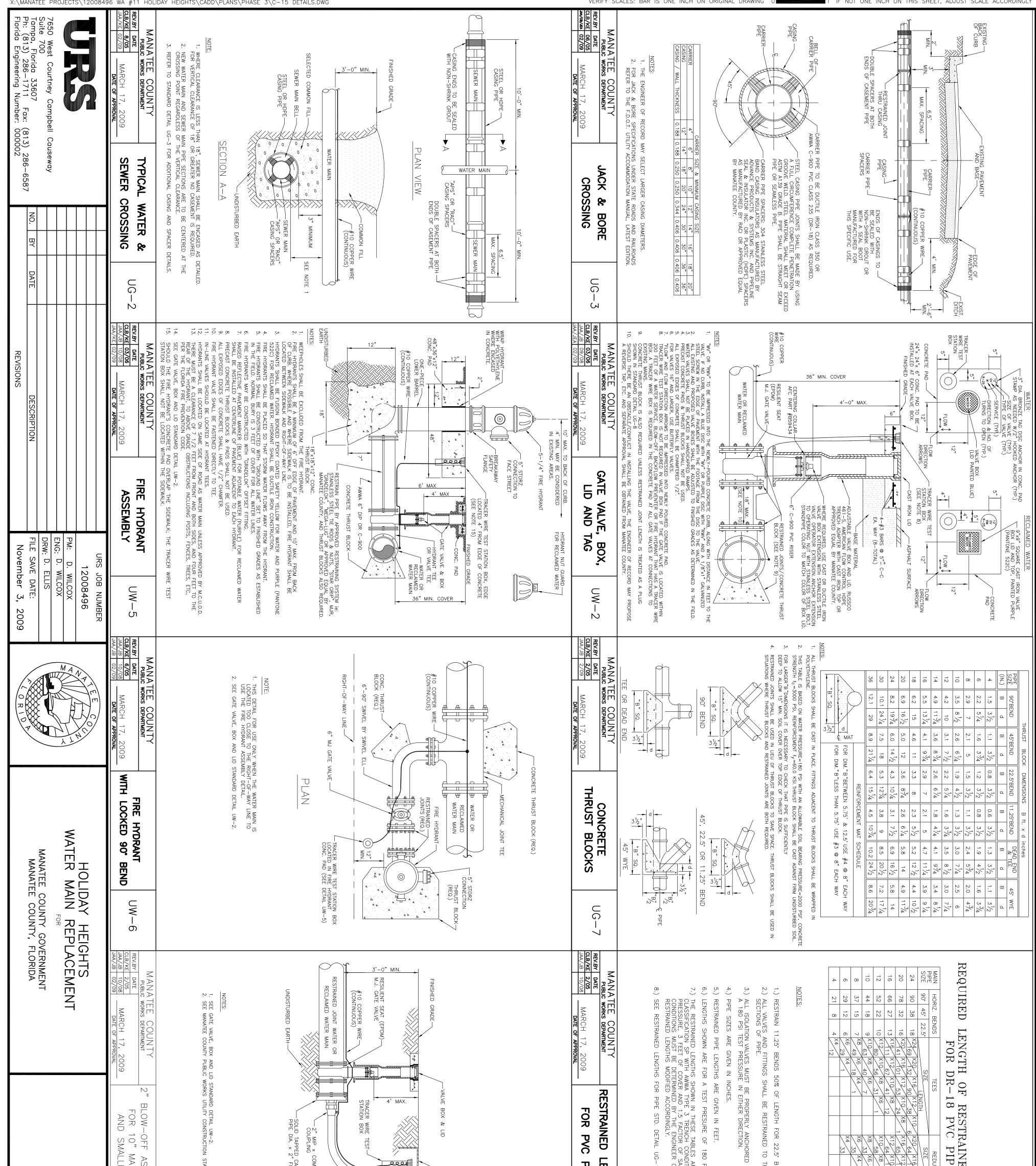


PLOTTED November 5, 2009 7:01 AM PLOTTED BY: ELLIS, DAVID X:\MANATEE PROJECTS\12008496 WA #11 HOLIDAY HEIGHTS\CADD\PLANS\PHASE 3\C-12 18TH STREE WEST.DWG





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
APPROX. GRADE	FINSHED GRADE
	Provide the second
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

