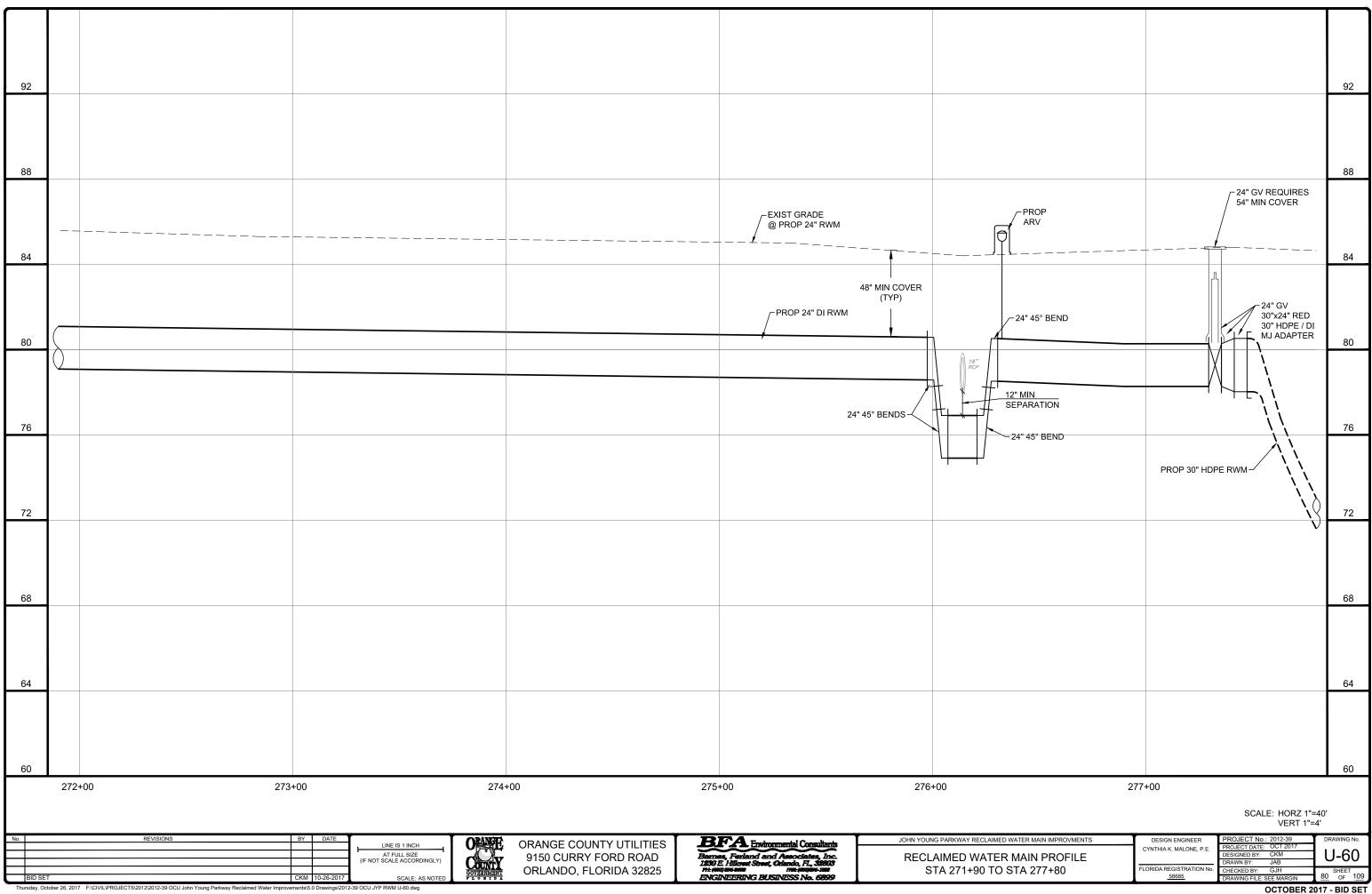
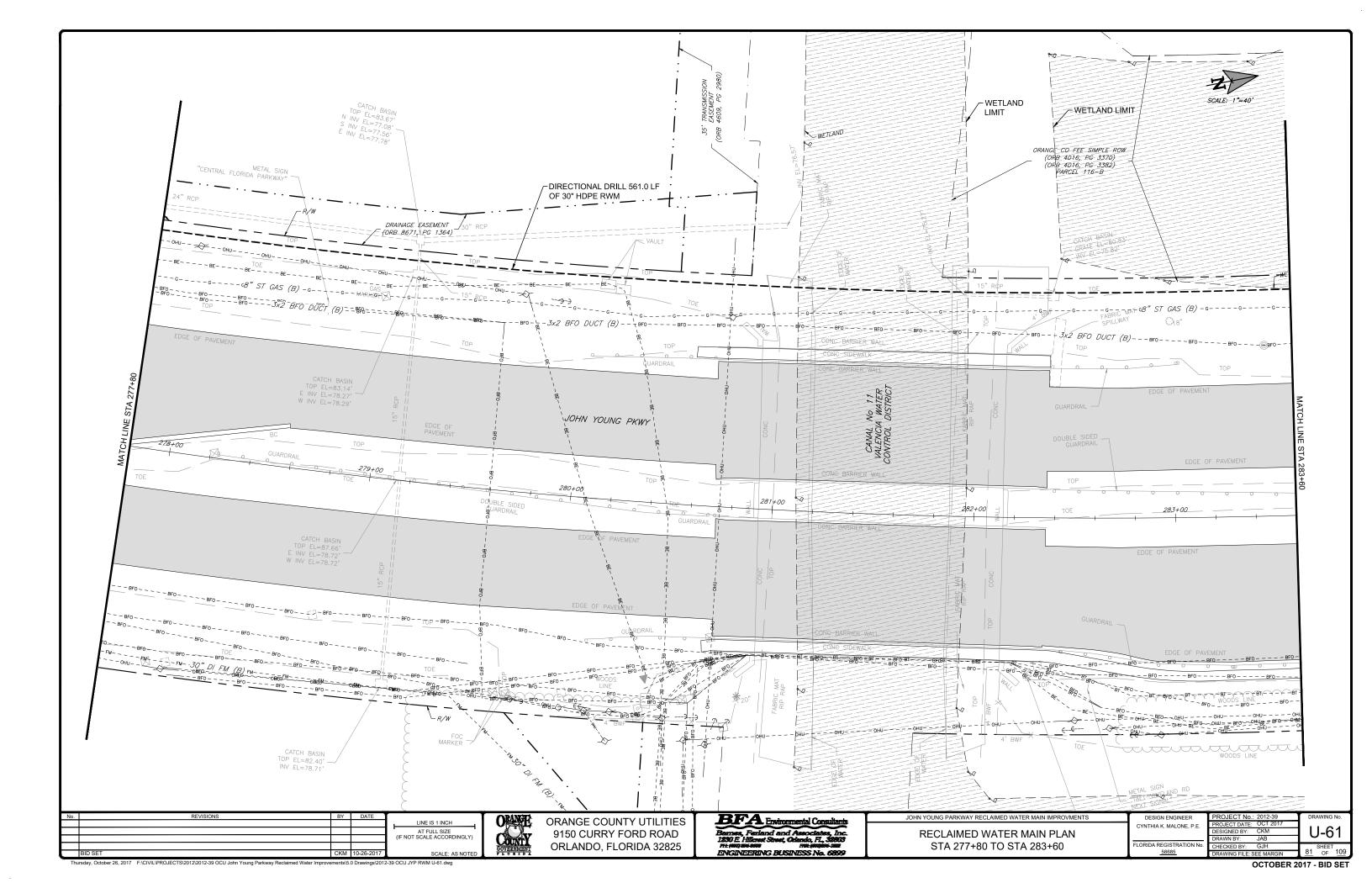
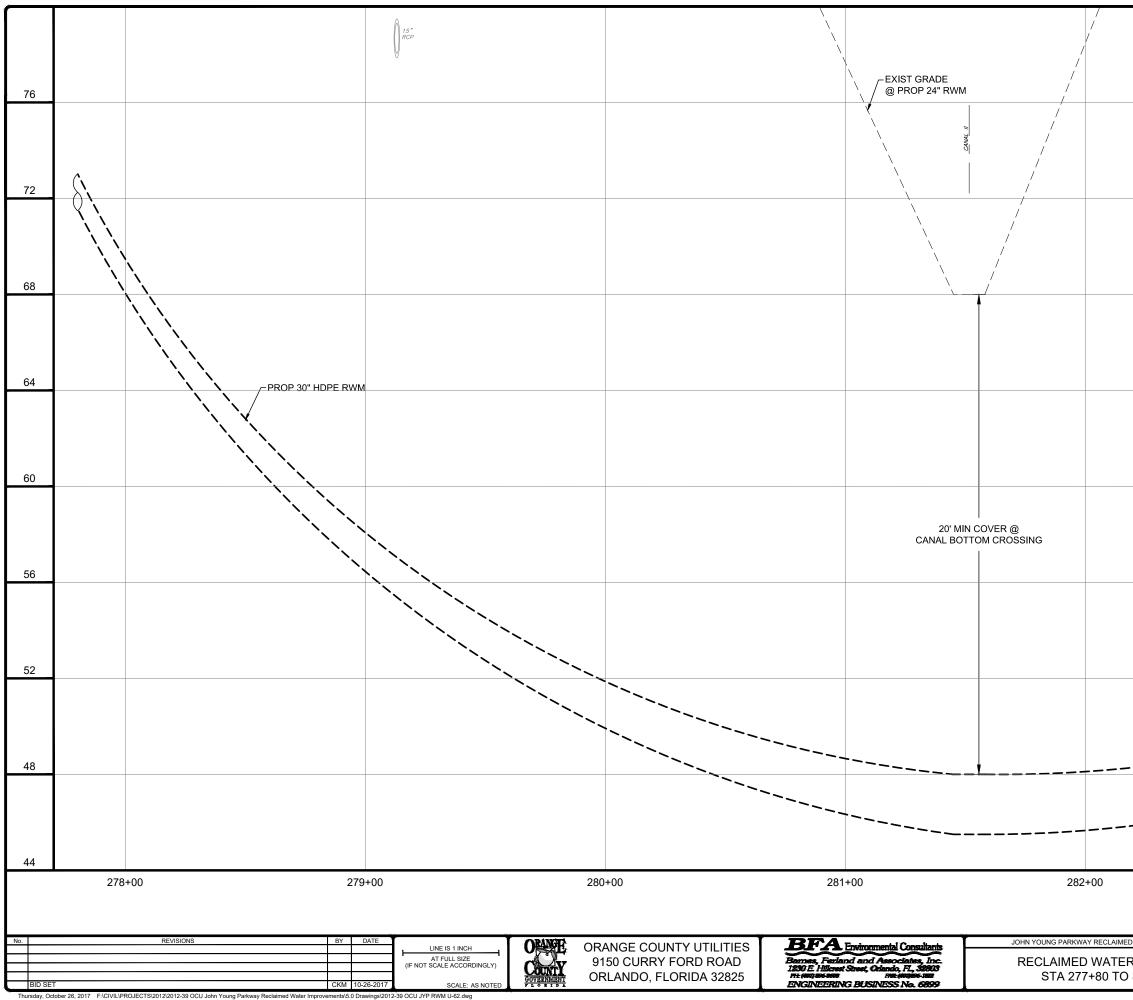


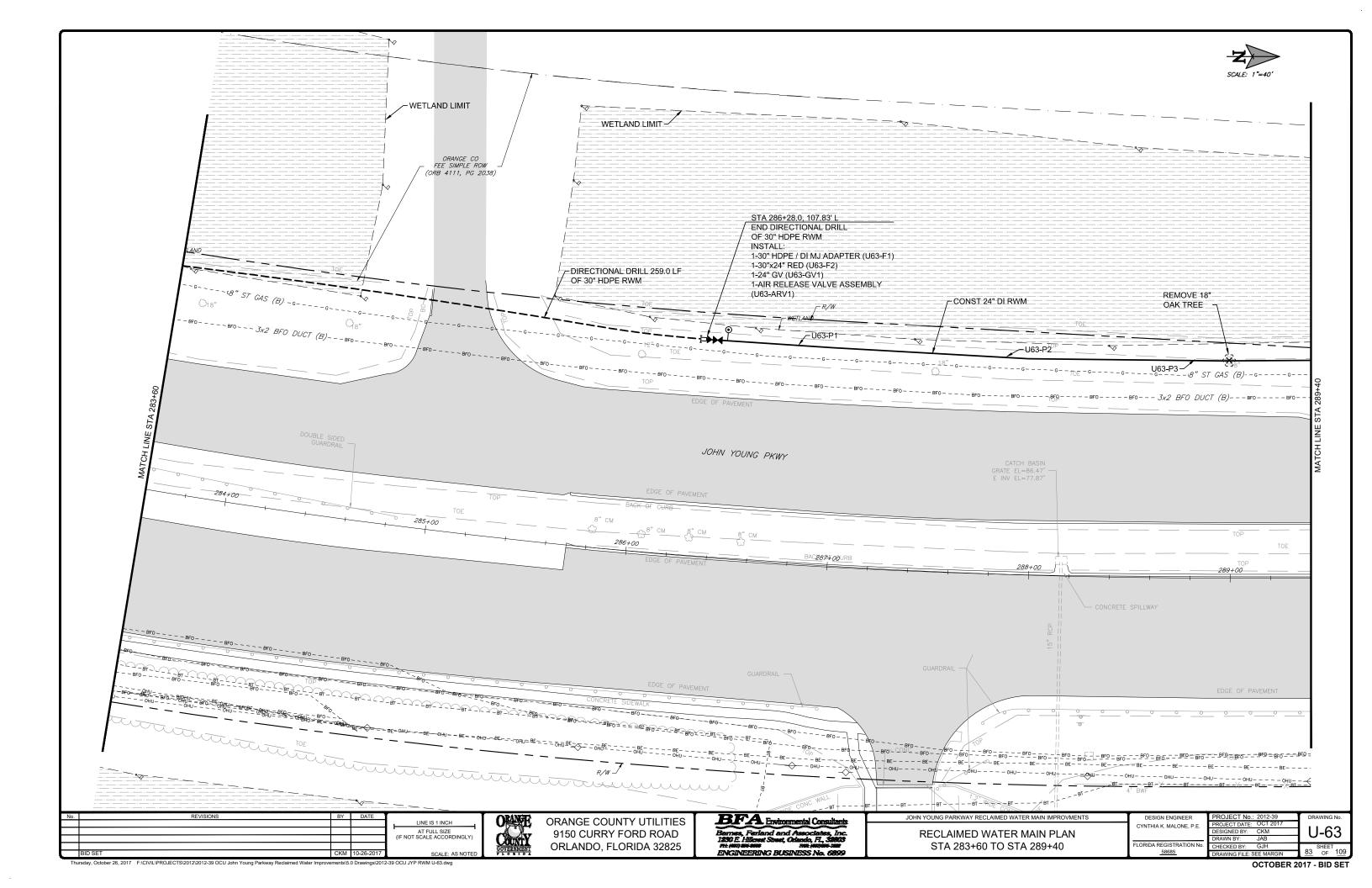
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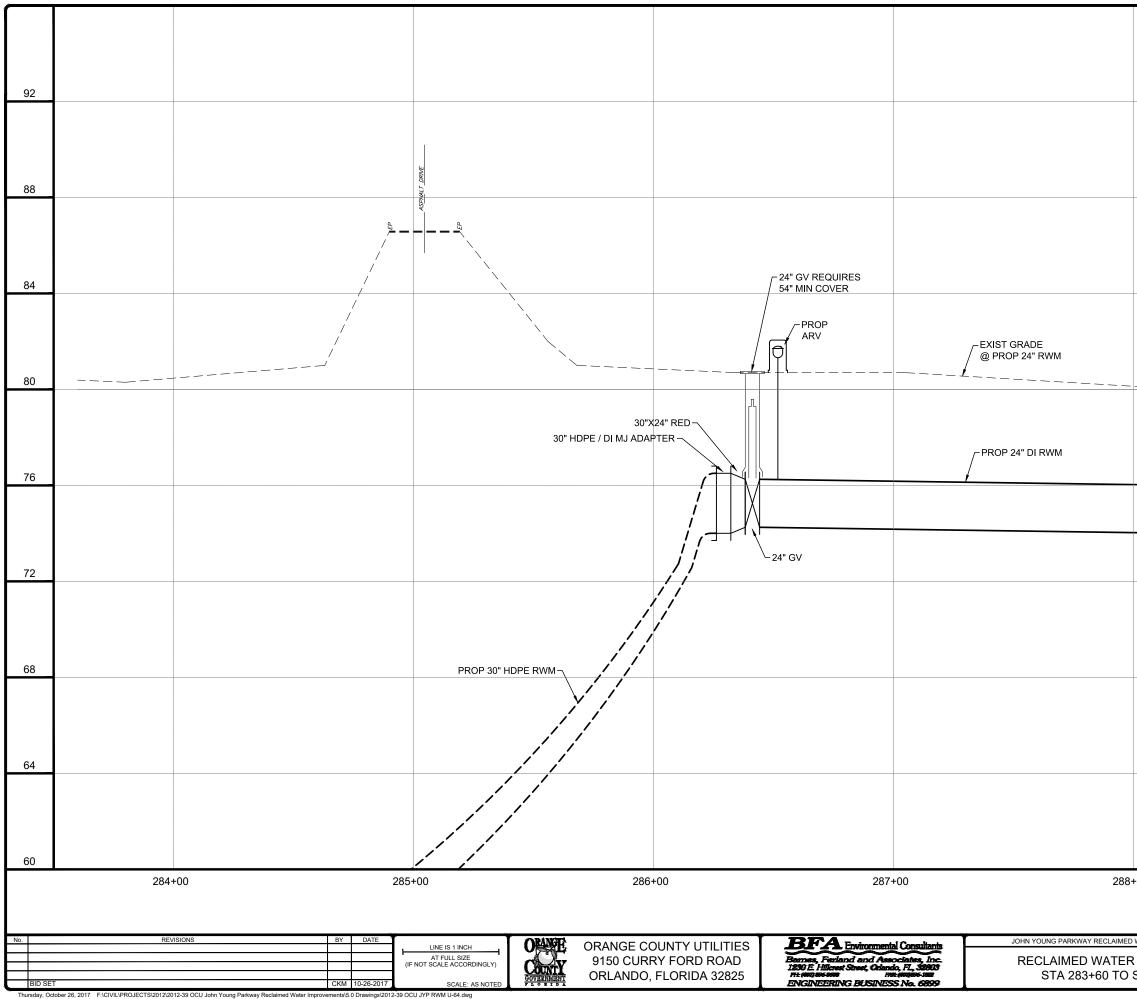




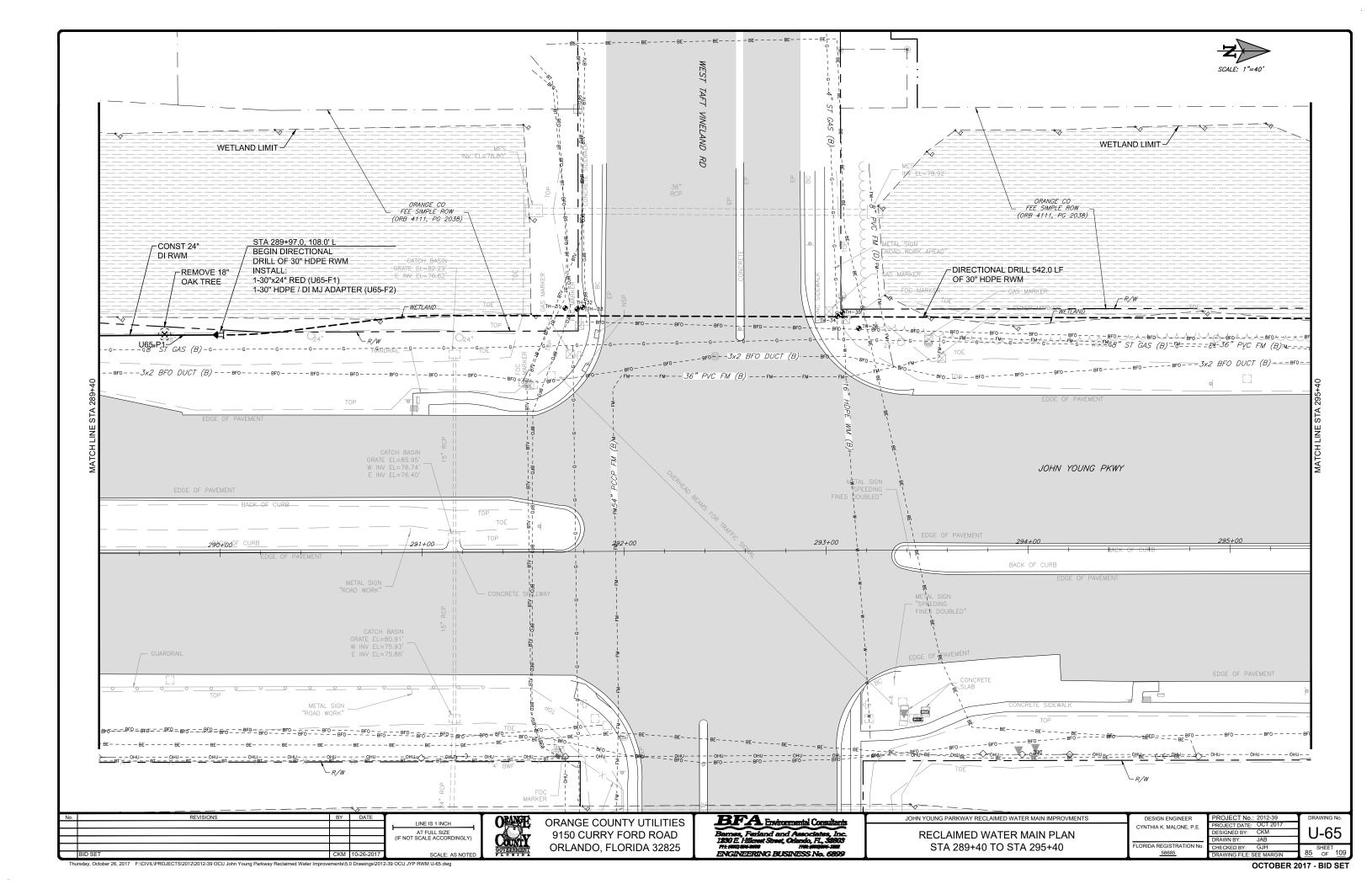


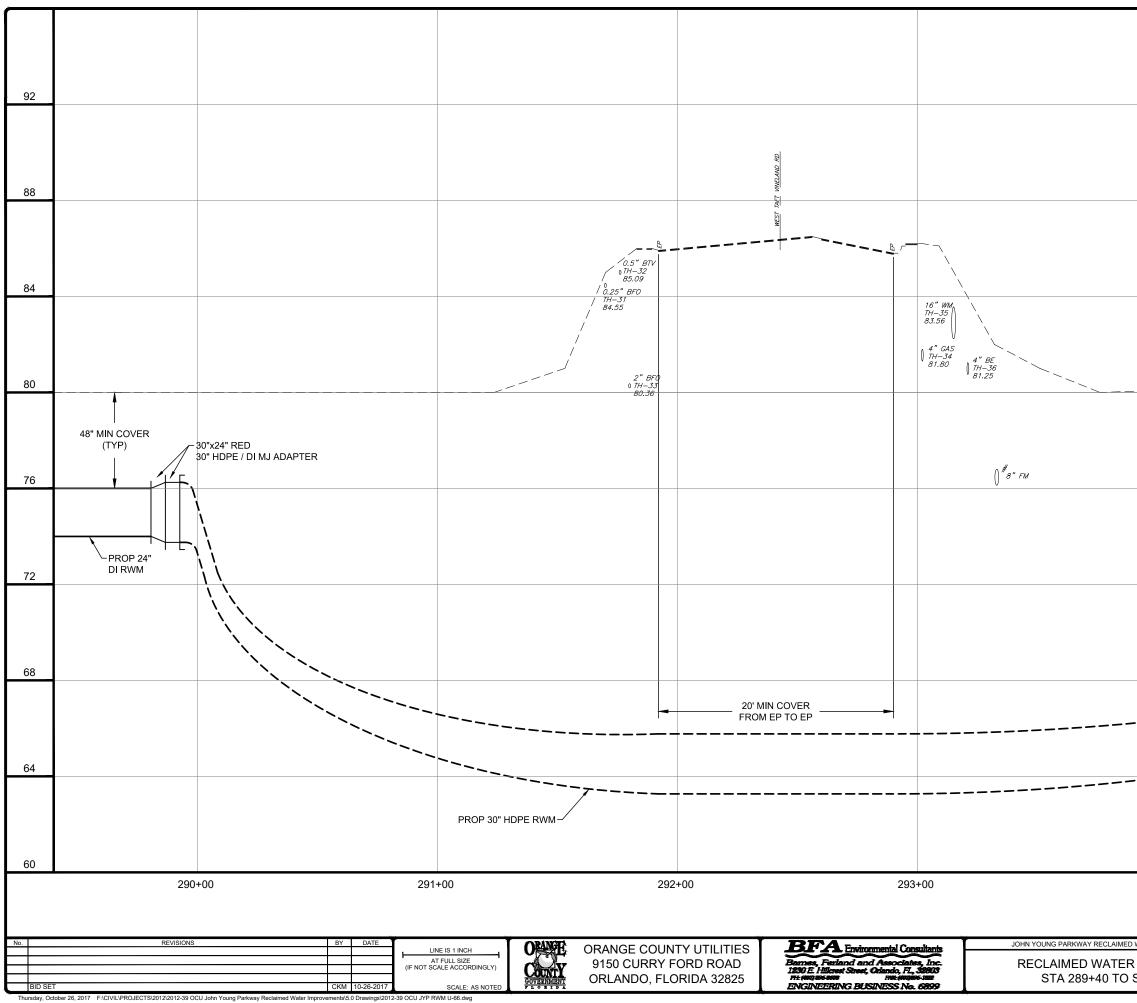
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D WATER MAIN IMPROVMENTS	DESIGN ENGINEER CYNTHIA K. MALONE, P.I	DESIGNED BY: CKM	DRAWING No.
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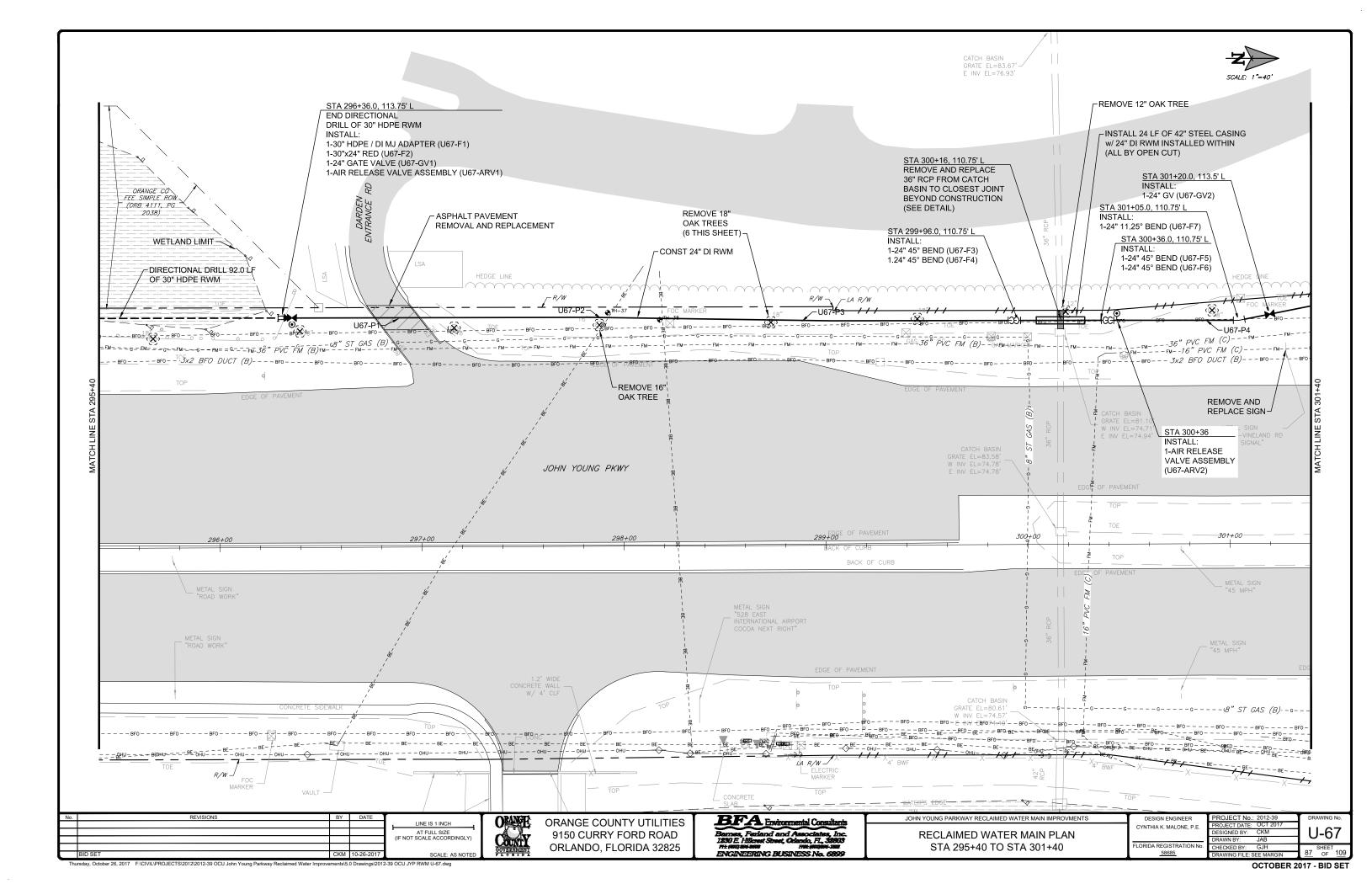


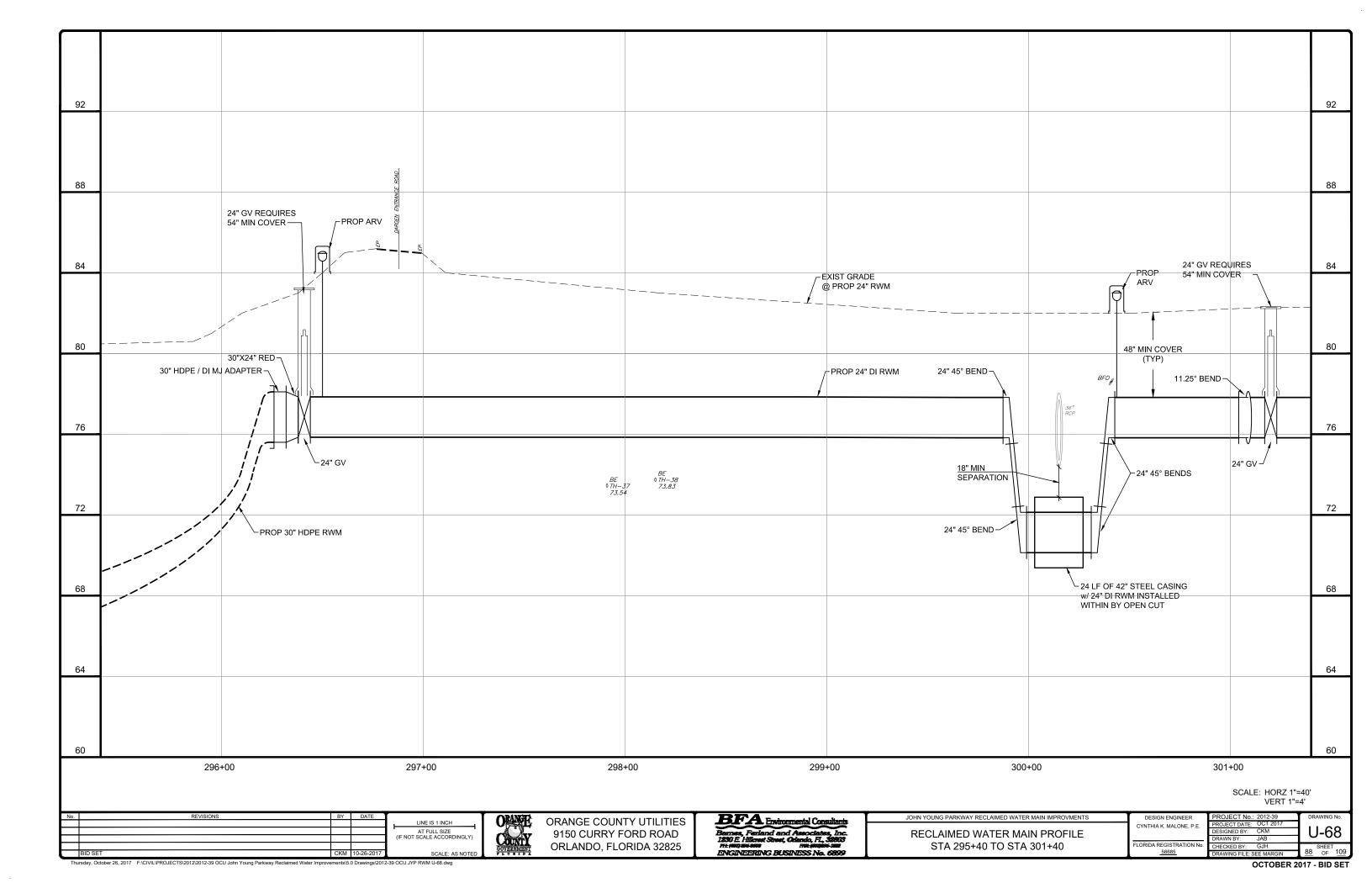
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R MAIN PROFILE STA 289+40	FLORIDA REGISTRATION No.	DRAWN BY: JAB CHECKED BY: GJH	SHEET
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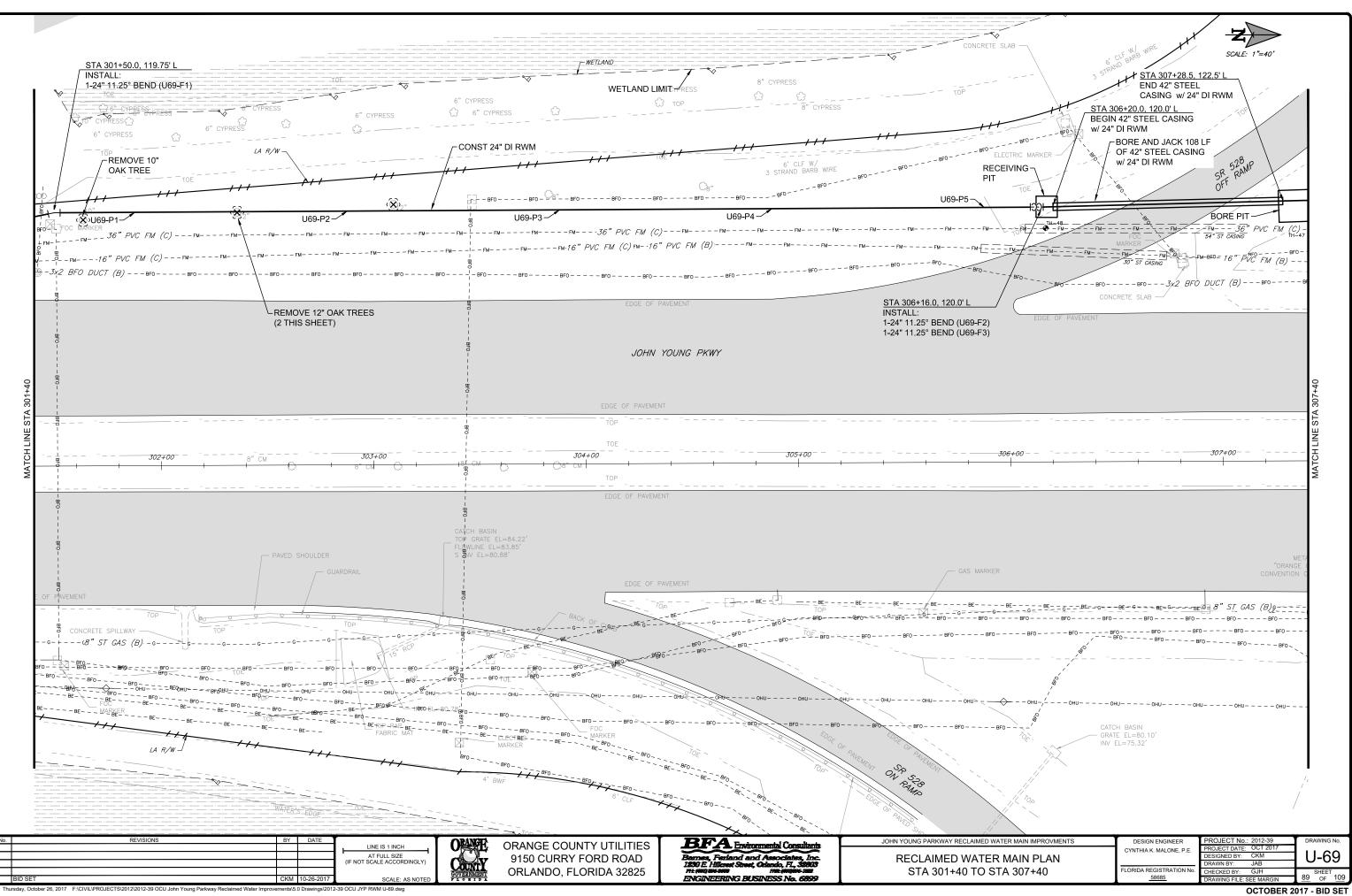




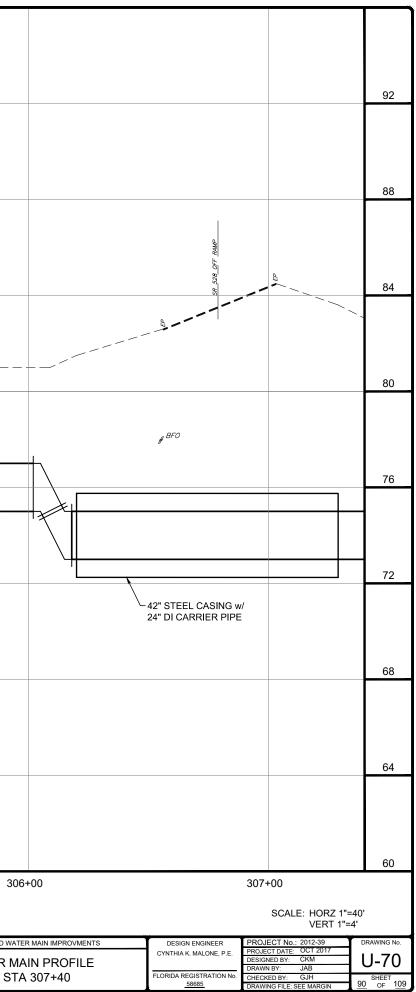
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	DESIGN ENGINEER CYNTHIA K. MALONE, P.E.	PROJECT No.: 2012-39 PROJECT DATE: OCT 2017 DESIGNED BY: CKM	drawing no. U-66
R MAIN PROFILE STA 295+40	FLORIDA REGISTRATION No. 58685	DRAWN BY: JAB CHECKED BY: GJH DRAWING FILE: SEE MARGIN	0-00 86 OF 109
		OCTOBER 20	

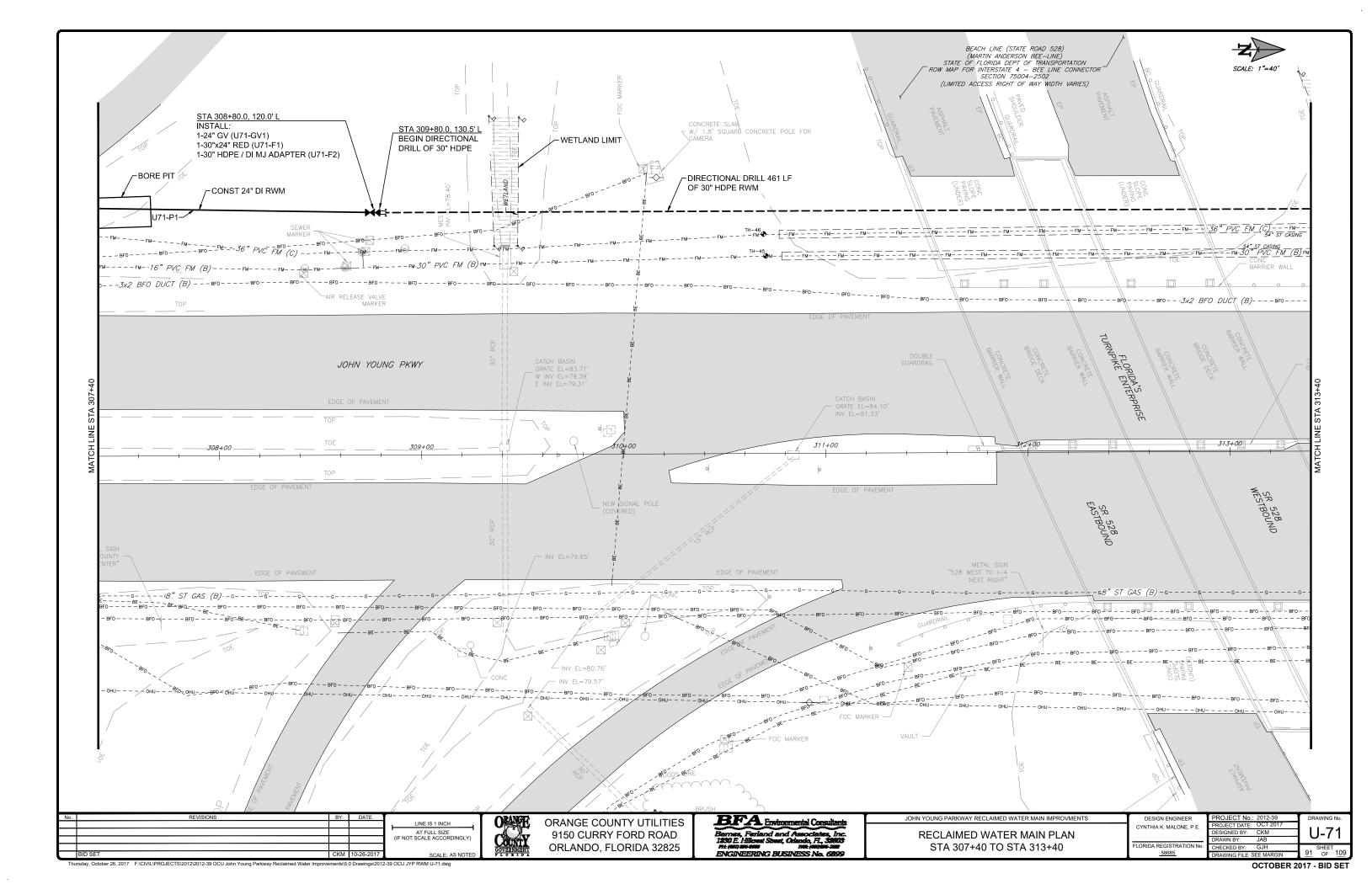


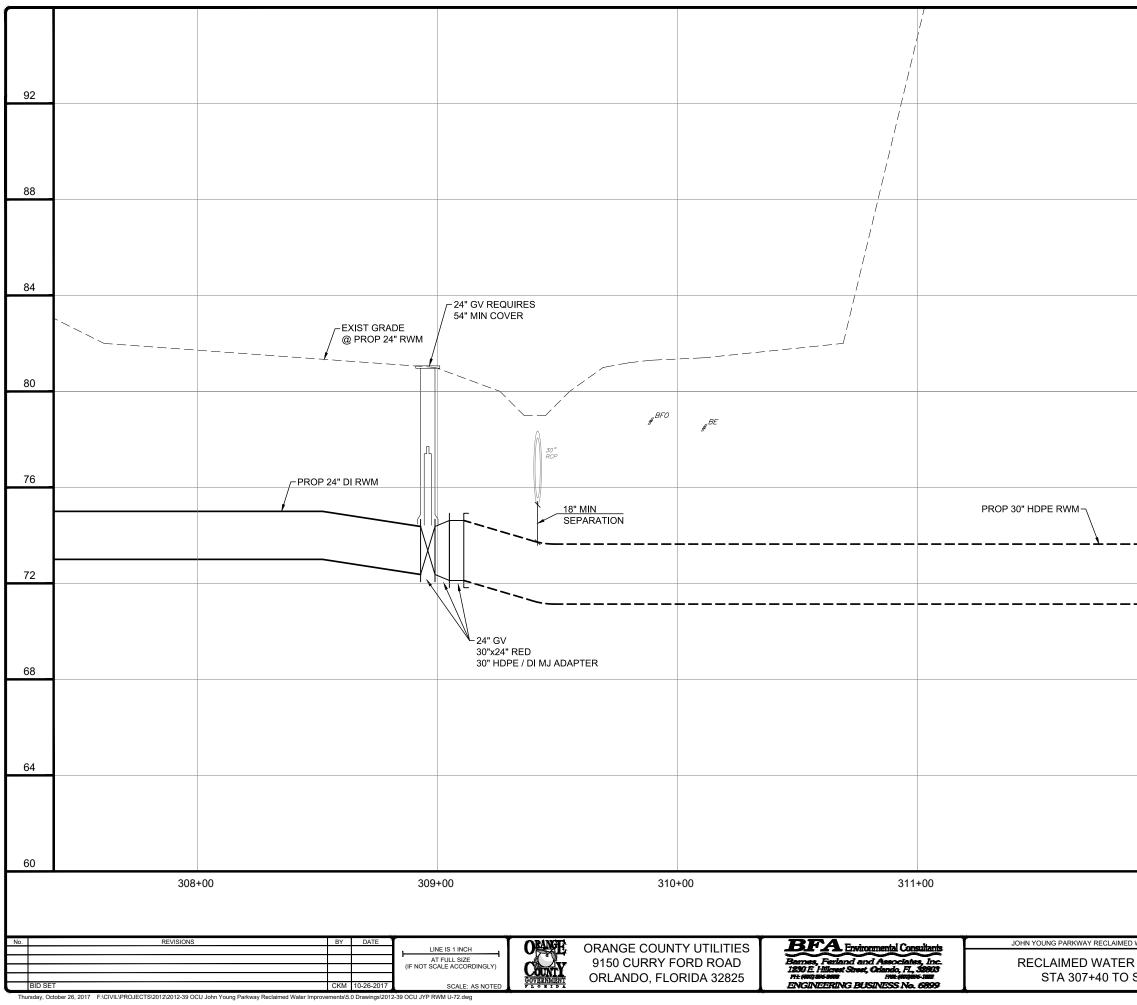




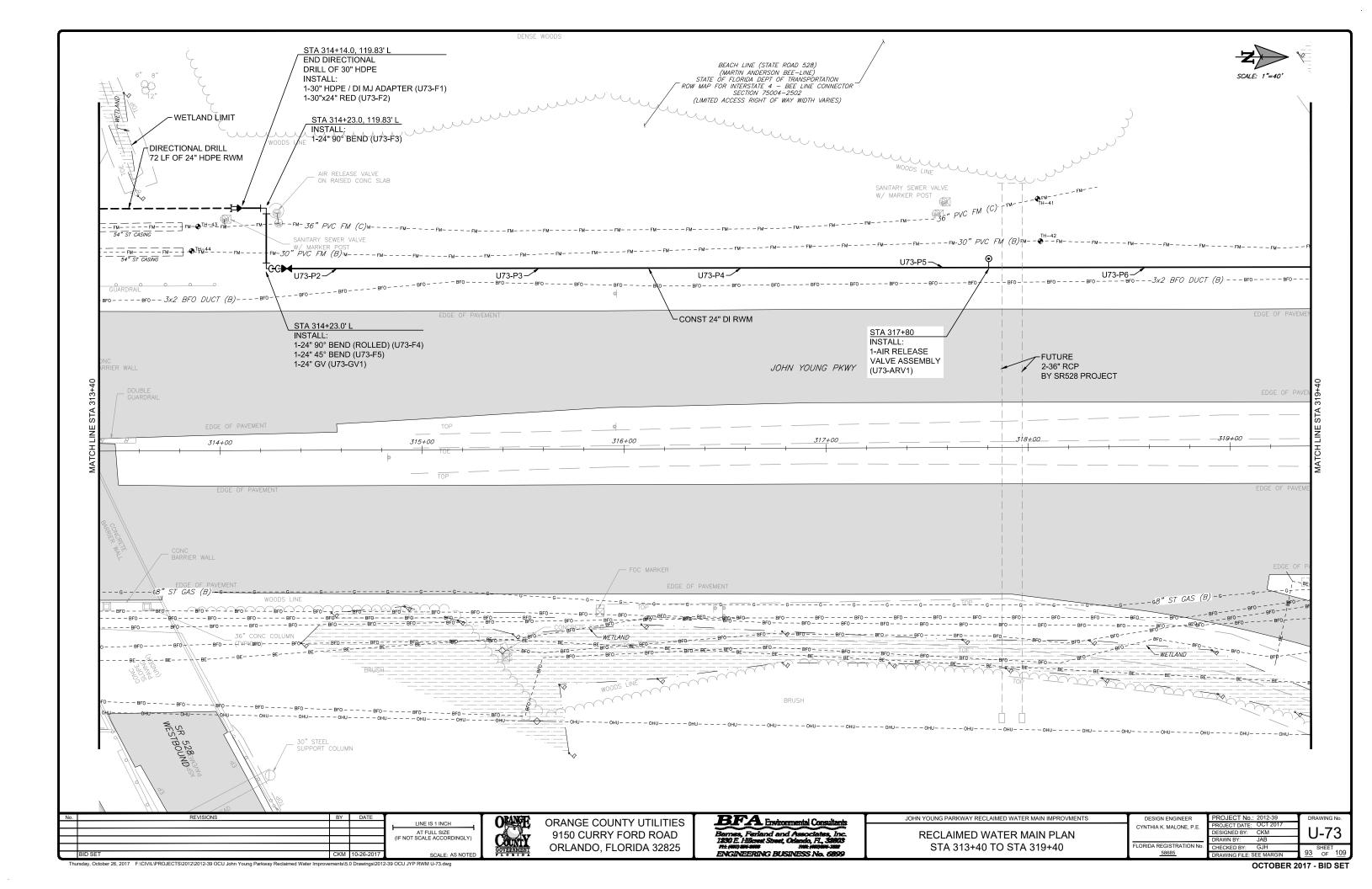
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No.	REVISIONS		BY DATE			E COUNTY UTILITIES		ongultanie	JOHN YOUNG PARKWAY RECLAIMED
				LINE IS 1 INCH AT FULL SIZE (IF NOT SCALE ACCORDINGL		CURRY FORD ROAD	Barnes, Ferland and Associa	ates, Inc.	RECLAIMED WATER
						NDO, FLORIDA 32825	Barnes, Ferland and Associa 1320 E Hilkeet Street, Orlando, J nt: (missions ENGINEERING BUSINESS N	-L, 32903 1986-1882	STA 301+40 TO 3
BID SET	T tober 26, 2017 F:\CIVIL\PROJECTS\2012\2012-39 O	CLL John Young Parkway Reclaimed Water Impr	CKM 10-26-2017	SCALE: AS NO		-,	ENGINEERING BUSINESS N	ta. 6899	

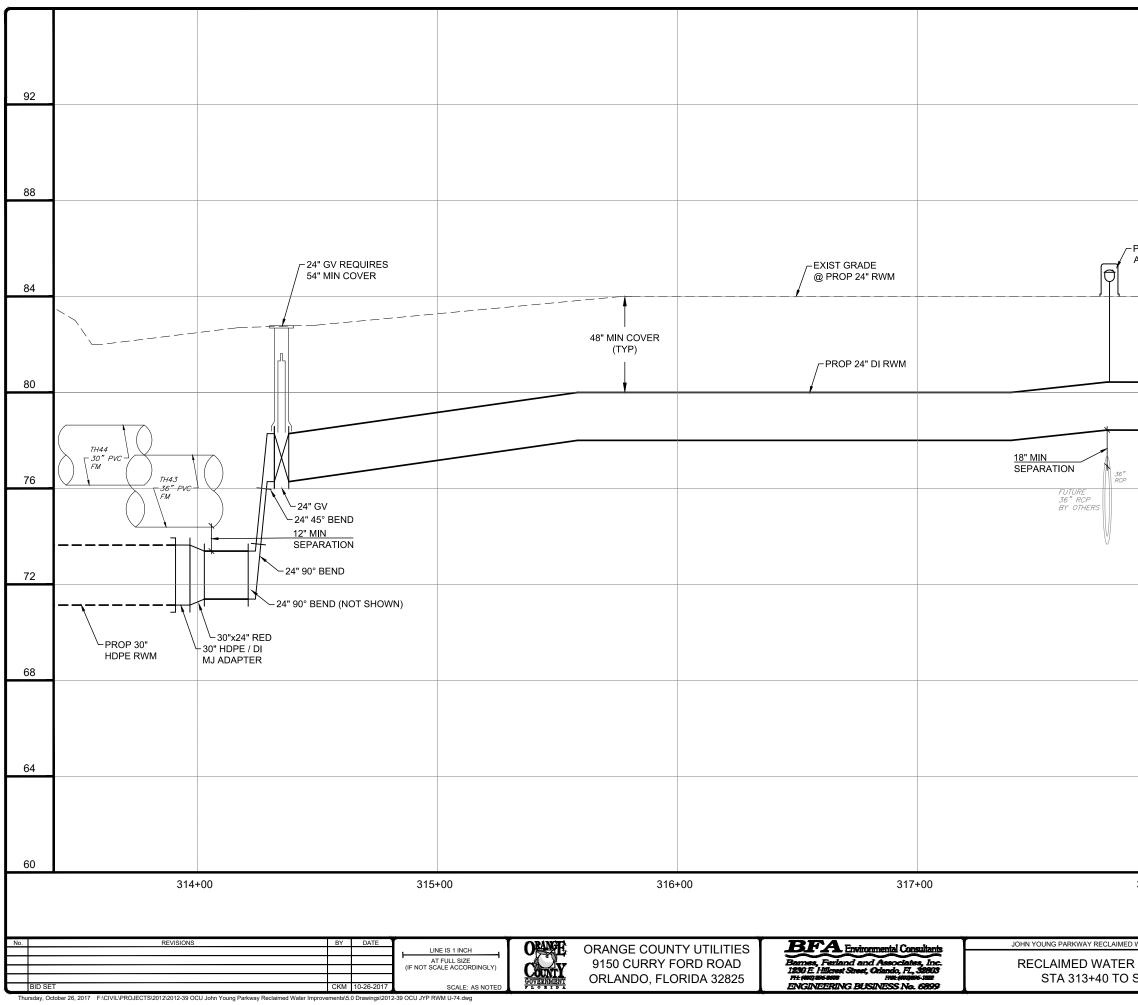




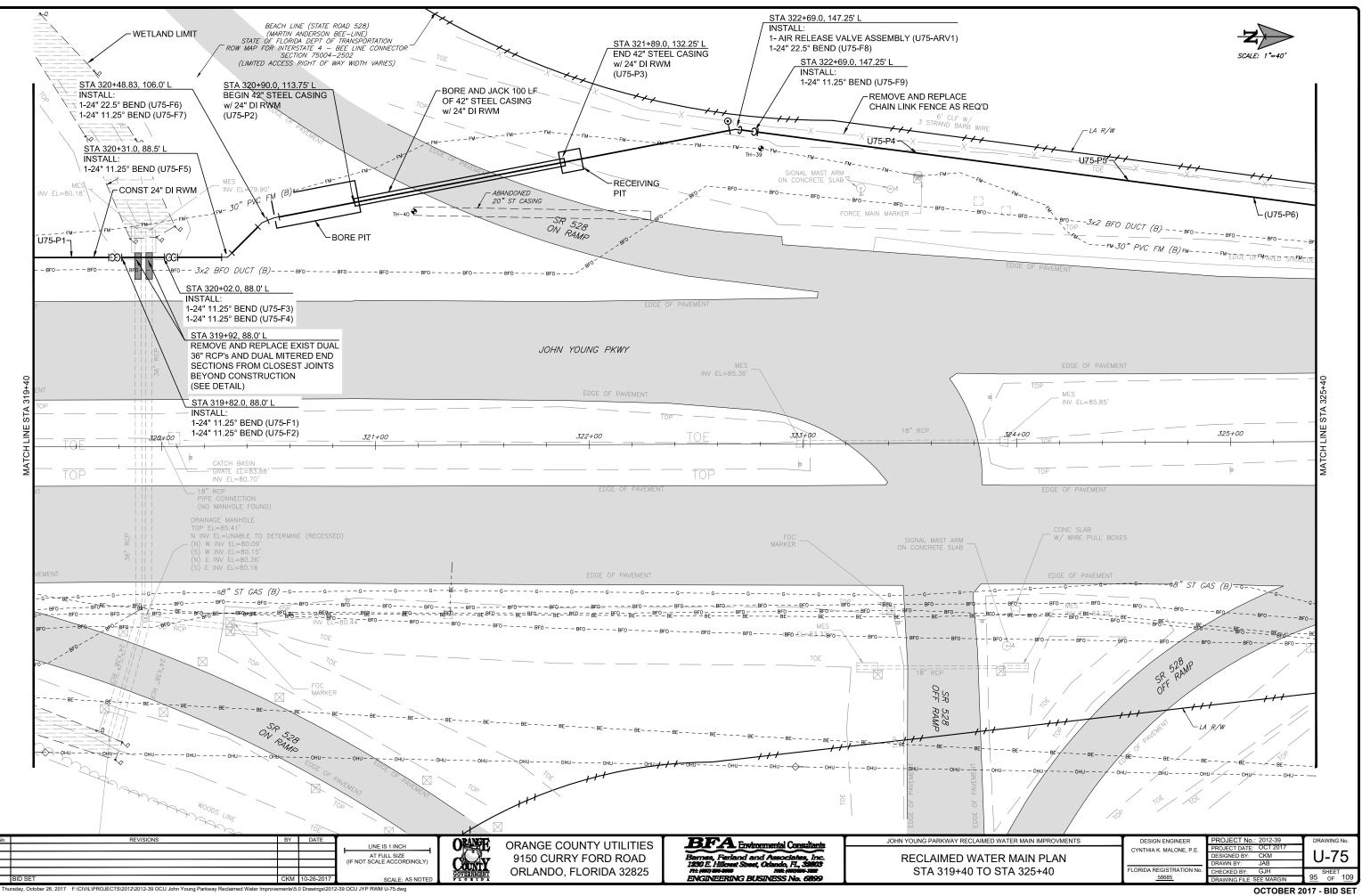


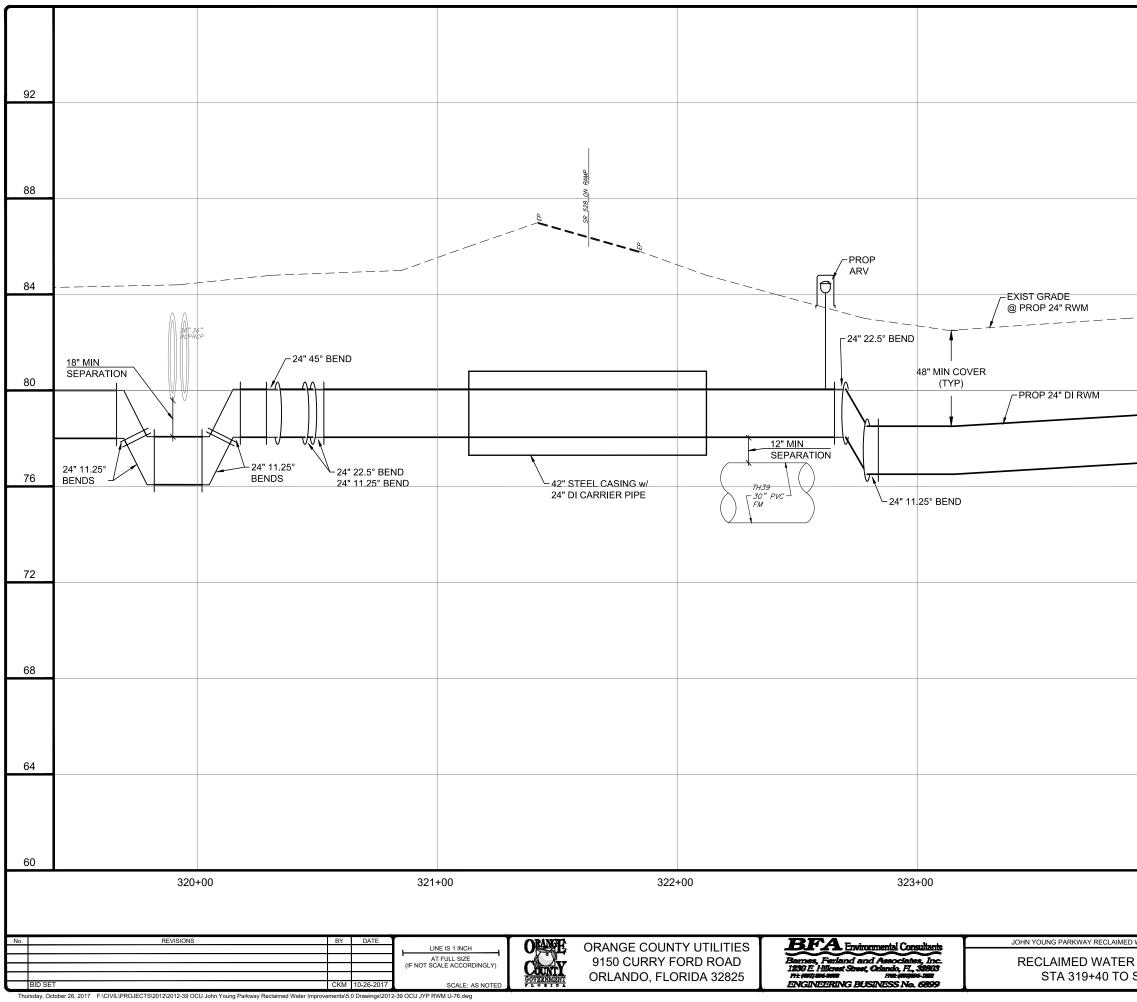
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D WATER MAIN IMPROVMENTS R MAIN PROFILE STA 313+40	DESIGN ENGINEER CYNTHIA K. MALONE, P.E. FLORIDA REGISTRATION No.	PROJEC DESIGNE DRAWN CHECKE	BY: JAB D BY: GJH	DRAWING No. U-72 92 OF 109
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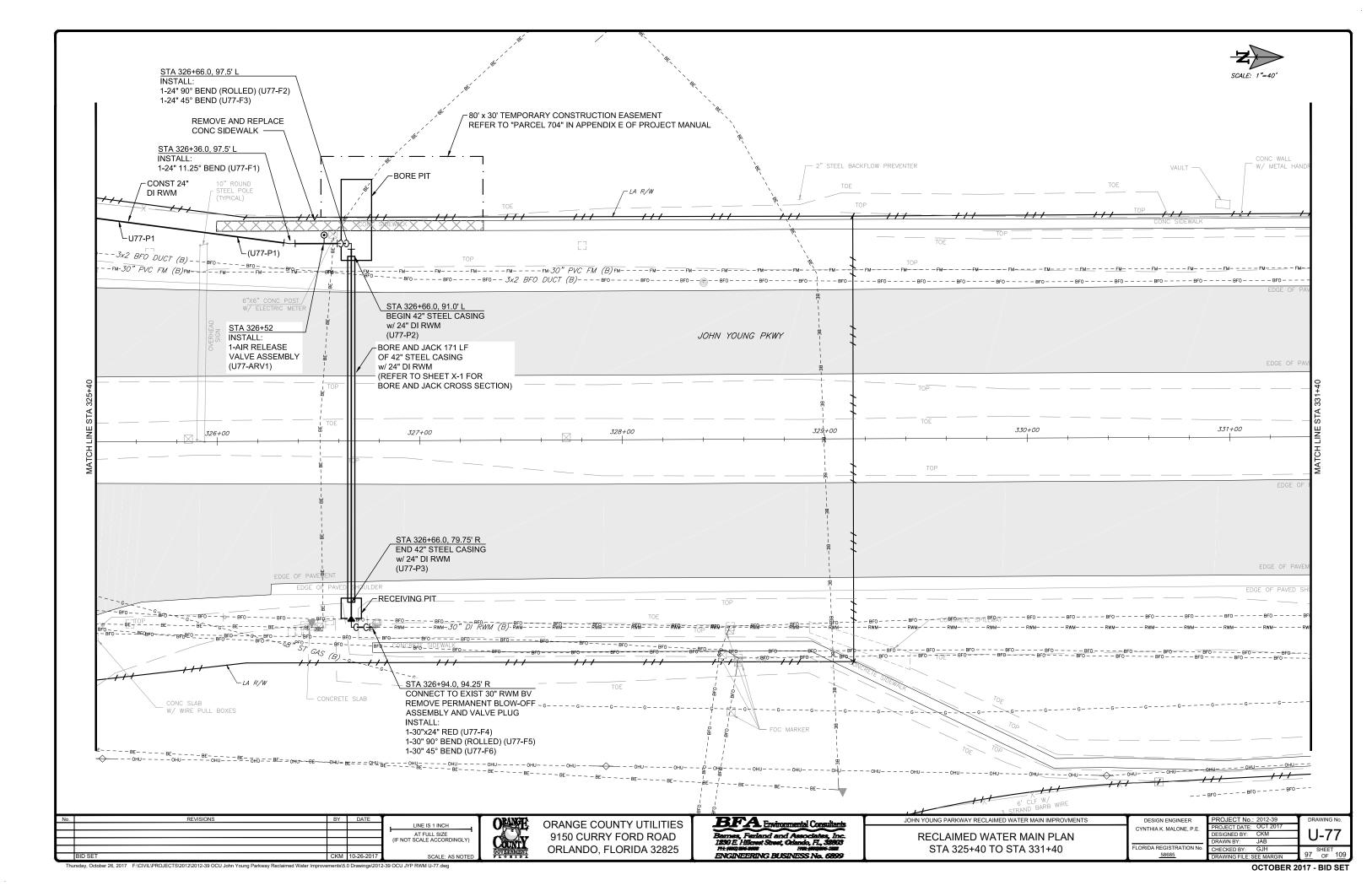


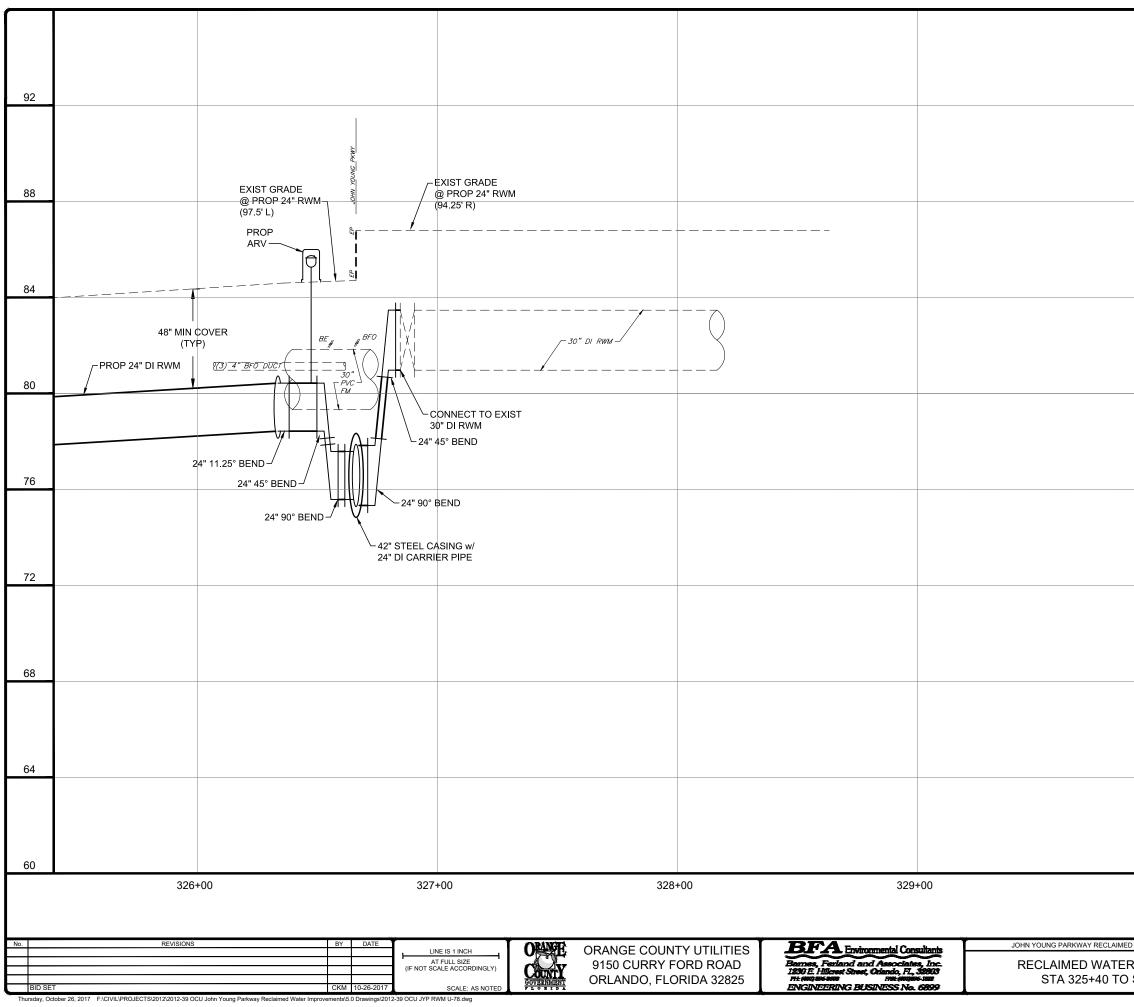
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WATER MAIN IMPROVMENTS	DESIGN ENGINEER CYNTHIA K. MALONE, P.E.	PROJECT No.: 2012-39 PROJECT DATE: OCT 2017	DRAWING No.
MAIN PROFILE STA 319+40	FLORIDA REGISTRATION No.	DESIGNED BY: CKM DRAWN BY: JAB CHECKED BY: GJH	U-74
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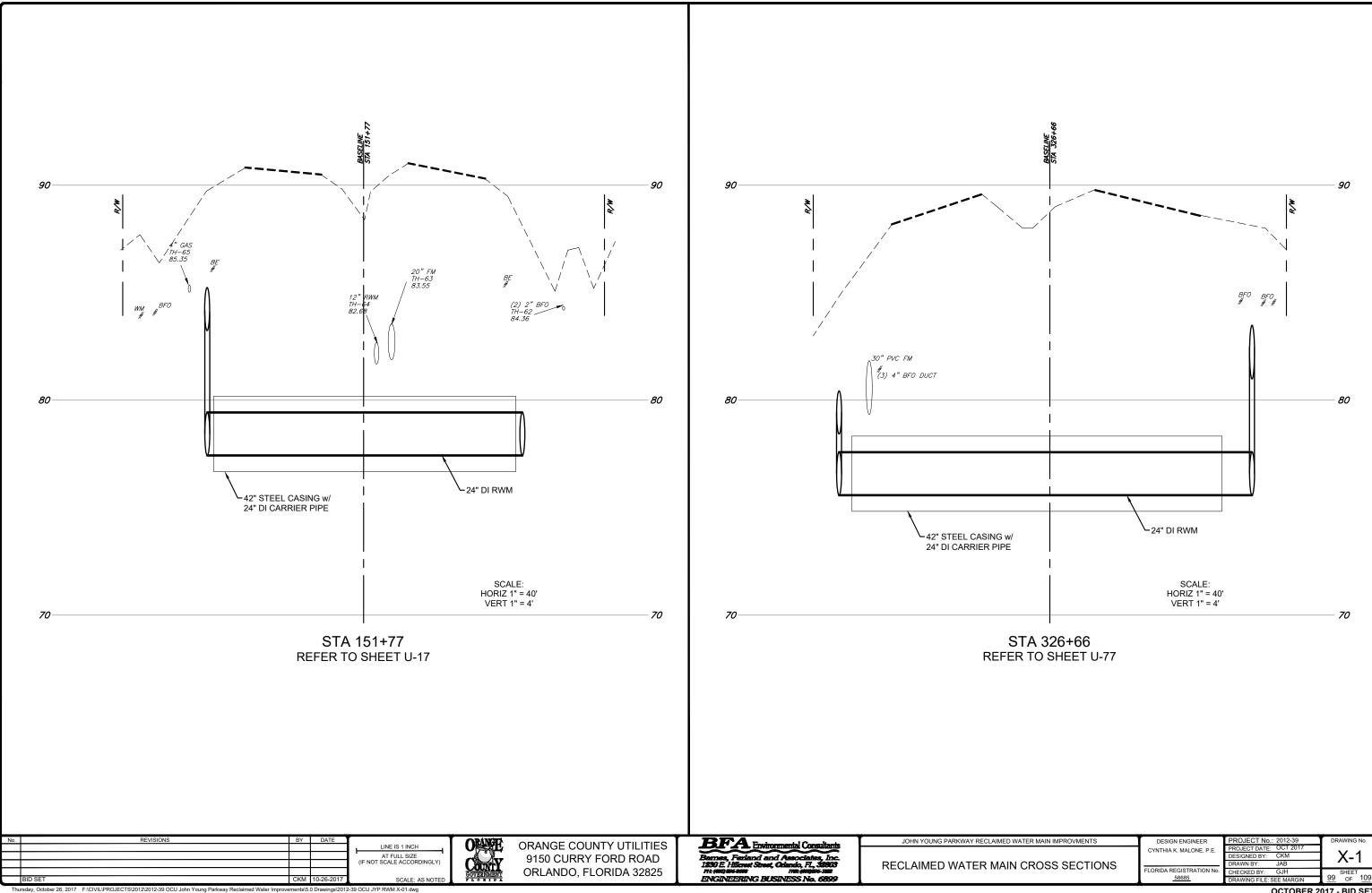


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	MAIN IMPROVMENTS	DESIGN ENGINEER CYNTHIA K. MALONE, P.E.	PROJE	ECT No.: 2012-39 CT DATE: OCT 2017	
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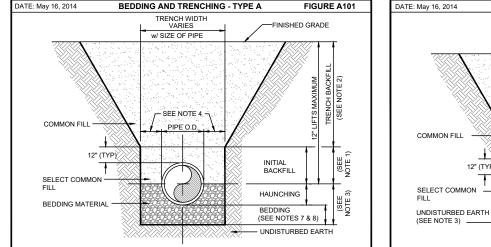




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R MAIN PROFILE STA 331+40	FLORIDA REGISTRATION No.	DRAWN	BY: JAB ED BY: GJH	U-70
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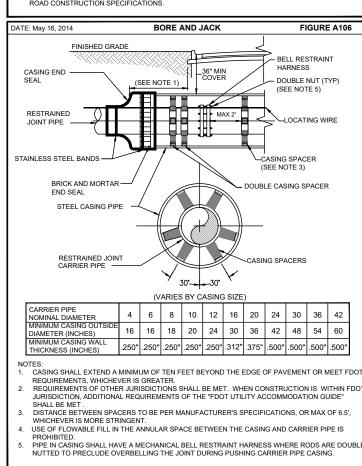


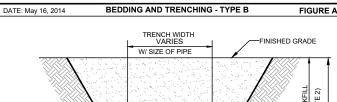
av. October 26, 2017 F:\CIVIL\PROJECTS\2012\2012-39 OCU John Young Parkway Reclaimed Water mprovements\5.0 Dr



#### NOTES

- 1. INITIAL BACKFILL: SELECT COMMON FILL COMPACTED TO 95% (98% UNDER PAVEMENT) OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
- 2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 95% (98% UNDER PAVEMENT) OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
- 3. TYPE A BEDDING MATERIAL SHALL CONFORM TO FDOT NO. 57 AGGREGATE
- 4. 15" MAX. (12" MIN.) FOR PIPE DIAMETER LESS THAN 24" AND 24" MAX (12" MIN) FOR PIPE DIAMETER 24" AND LARGER.
- 5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
- 6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
- 7. BEDDING DEPTH SHALL BE 4" MINIMUM FOR PIPE DIAMETER UP TO 12" AND 6" MINIMUM FOR PIPE DIAMETER 16" AND LARGER
- 8. DEPTH FOR REMOVAL OF UNSUITABLE MATERIAL SHALL GOVERN DEPTH OF BEDDING ROCK BELOW THE PIPE. UTILITIES SHALL DETERMINE IN THE FIELD REQUIRED REMOVAL OF UNSUITABLE MATERIAL TO REACH SUITABLE FOUNDATION.
- 9. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES. SURFACE RESTORATION WITHIN ORANGE COUNTY RIGHT-OF-WAY SHALL COMPLY WITH REQUIREMENTS OF R/W UTILIZATION REGULATIONS AND ROAD CONSTRUCTION SPECIFICATIONS.





-SEE NOTE 4

PIPE O.

BACKFILL

HAUNCHING

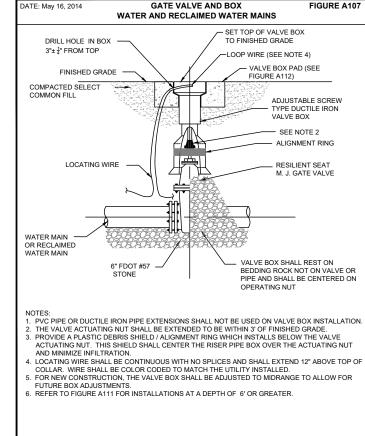
12" (TYP)

#### FIGURE A102

		PIPE SIZE								
TYPE	DUCTILE IRON POLYETHYLENE ENCASED						)			
	4"	6"	8"	10"	12"	16"	20"	24"	30"	36"
90° BEND	25	36	46	55	64	82	96	112	131	150
45° BEND	10	15	19	23	26	34	40	46	55	63
22-1/2° BEND	5	8	9	11	13	17	19	23	26	30
11-1/4° BEND	3	4	5	6	8	9	10	11	13	15
PLUG OR BRANCH OF TEE	53	74	97	117	135	173	208	243	289	331
VALVE	27	38	49	59	68	86	104	121	146	166
REDUCER	14	19	25	30	34	43	52	61	78	83

#### NOTES:

- . INITIAL BACKFILL AND HAUNCHING: SELECT COMMON FILL COMPACTED TO 95% (98% UNDER PAVEMENT) OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
- . TRENCH BACKFILL: COMMON FILL COMPACTED TO 95% (98% UNDER PAVEMENT) OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
- . PIPE BEDDING UTILIZING SELECT COMMON FILL OR BEDDING ROCK IN ACCORDANCE WITH TYPE A BEDDING AND TRENCHING DETAIL MAY BE REQUIRED AS DIRECTED BY UTILITIES.
- 4. 15" MAX. (12" MIN.) FOR PIPE DIAMETER LESS THAN 24" AND 24" MAX (12" MIN) FOR PIPE DIAMETER 24" AND LARGER.
- 5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
- 6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
- 7. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES. SURFACE RESTORATION WITHIN ORANGE COUNTY RIGHT-OF-WAY SHALL COMPLY WITH REQUIREMENTS OF RIGHT-OF-WAY UTILIZATION REGULATIONS AND ROAD CONSTRUCTION SPECIFICATIONS.



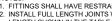
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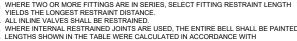
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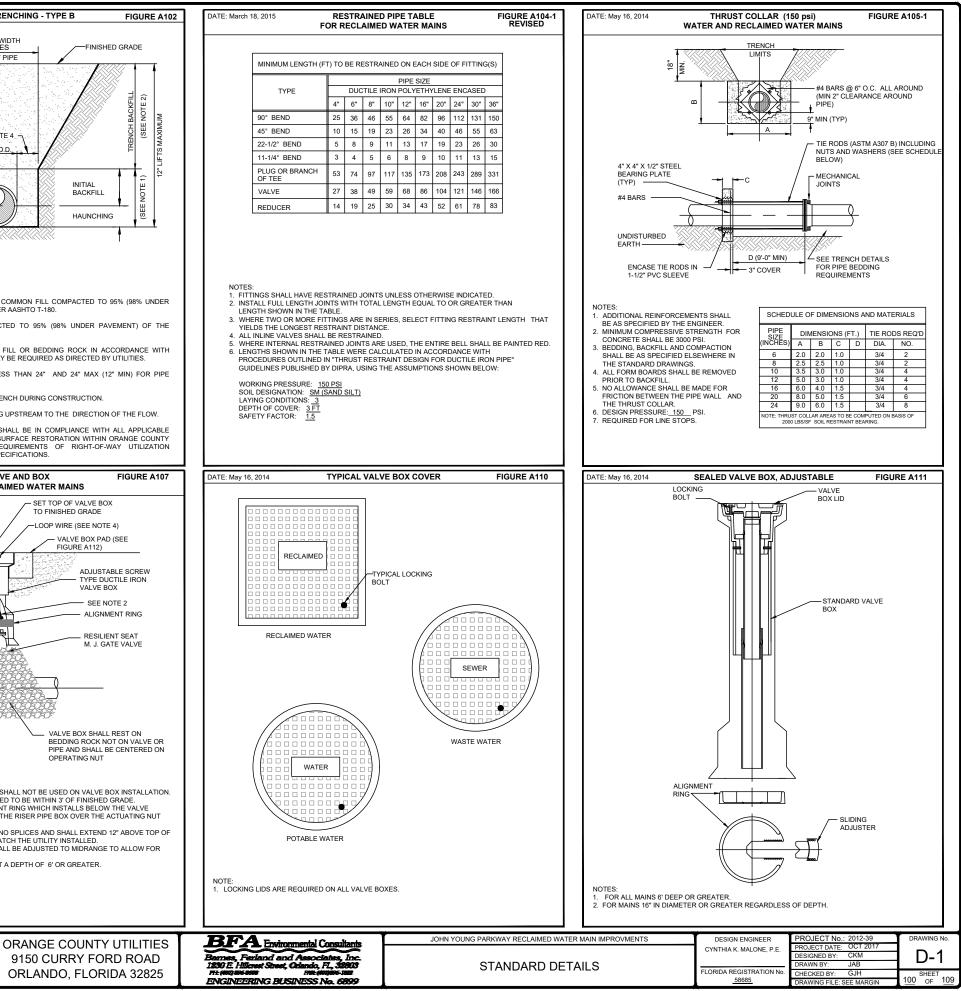
AT FULL SIZE (IF NOT SCALE ACCORDINGLY

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PROCEDURES OUTLINED IN "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" GUIDELINES PUBLISHED BY DIPRA, USING THE ASSUMPTIONS SHOWN BELOW

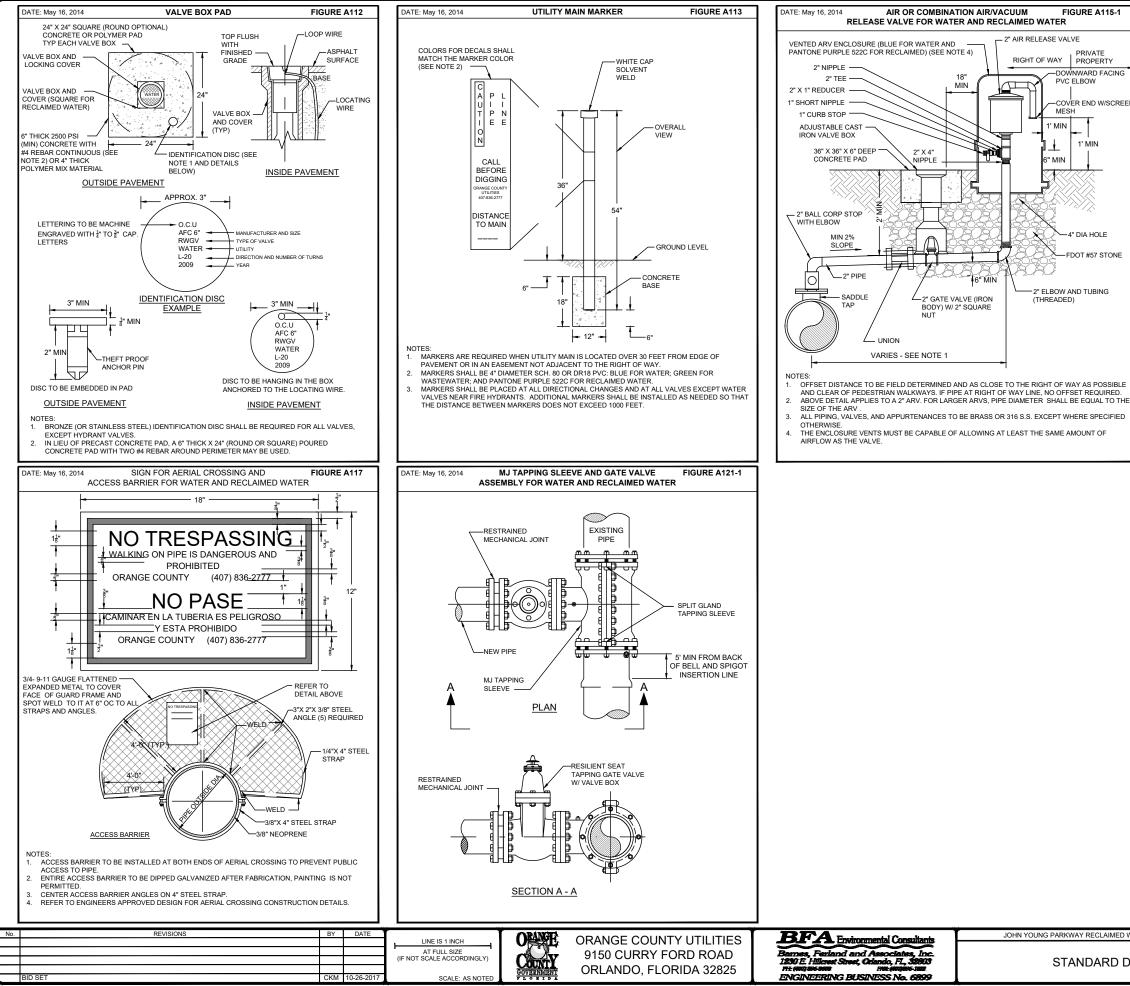


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BY

CKM 10-26-20

OCTOBER 2017 - BID SET



sday, October 26, 2017 F:\CIVIL\PROJECTS\2012\2012\2012-39 OCU John Young Parkway Reclaimed Water Improvements\5.0 Drawings\2012-39 OCU JYP RWM D-02.dwg

DATE: May 16, 2014

# SEPARATION REQUIREMENTS FOR FIGL WATER, WASTEWATER AND RECLAIMED WATER MAINS

FIGURE A116

HORIZONTAL & VERTICAL SEPARATION REQUIREMENTS										
PROPOSED	POTABLE WATER				WASTEWATER (GRAVITY & FM) STORM SI		SEWER			
UTILITY	HORIZ VERT		HORIZ	VERT	HORIZ	VERT	HORIZ	VERT		
POTABLE WATER	3' NOTE 1	12"	<b>3'</b> NOTE 1 & 3	12" NOTE 3	6' NOTE 3	12" NOTE 3	<b>3'</b> NOTE 1 & 3	12"/18" NOTE 2 & 3		
RECLAIMED WATER	<b>3'</b> NOTE 1 & 3	12" NOTE 3	3' NOTE 1	12"	3' NOTE 1	12"	3' NOTE 1	12"/18" NOTE 2		
WASTEWATER (GRAVITY AND FM)	6' NOTE 3	12" NOTE 3	3' NOTE 1	12"	3' NOTE 1	12"	3' NOTE 1	12"/18" NOTE 2		
RIGHT OF WAY	3' NOTE 1	N/A	3' NOTE 1	N/A	3' NOTE 1	N/A	N/A	N/A		

#### NOTES:

- THIS SEPARATION REQUIREMENT IS TO PROVIDE ACCESSIBILITY FOR CONSTRUCTION AND MAINTENANCE. THREE FEET OF HORIZONTAL SEPARATION IS THE MINIMUM FOR PIPES WITH THREE FEET OF COVER. FOR PIPES INSTALLED AT GREATER DEPTHS, PROVIDE AN ADDITIONAL FOOT OF SEPARATION FOR EACH ADDITIONAL FOOT OF DEPTH.
- THE 18-INCH SEPARATION REQUIREMENT APPLIES WHEN THE STORM PIPE CROSSES ABOVE THE OCU MAIN, AND WHEN THE STORM PIPE HAS A DIAMETER EQUAL TO OR GREATER THAN 24 INCHES. OTHERWISE, THE REQUIRED SEPARATION IS 12 INCHES.
   THIS SEPARATION REQUIREMENT COMPLIES WITH MINIMUM FDEP SEPARATION REQUIREMENTS

 THIS SEPARATION REQUIREMENT COMPLIES WITH MINIMUM FDEP SEPARATION REQUIREMENTS OUTLINED IN 62-555.314, FAC. VARIANCES FROM THE FDEP REQUIREMENTS MUST COMPLY WITH 62-555.314(6), FAC AND MUST BE APPROVED INDIVIDUALLY BY BOTH FDEP AND OCU.

 DISTANCES, GIVEN ARE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
 NO WATER PIPE SHALL PASS THROUGH OR COME IN CONTACT WITH ANY PART OF SANITARY OR STORM WATER MANHOLE OR STRUCTURE.

WATER MAIN IMPROVMENTS	DESIGN ENGINEER	PROJECT No.: 2012-39	DRAWING No.
	CYNTHIA K. MALONE, P.E.	NTHIAK MALONE P.E. PROJECT DATE: OCT 2017	
		DESIGNED BY: CKM	D-2
DFTAILS			
DEIMEG	FLORIDA REGISTRATION No.	CHECKED BY: GJH	SHEET
	58685	DRAWING FILE: SEE MARGIN	<u>101</u> OF <u>109</u>

#### DATE: February 11, 2011

GENERAL NOTES

FIGURE FigGN

### OCU GENERAL NOTES:

- THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN EXCAVATING IN PROXIMITY OF WATER MAINS, WASTEWATER FORCE MAINS, GRAVITY MAINS AND RECLAIMED WATER MAINS. MAIN LOCATIONS SHOWN ON PLANS MAY NOT BE EXACT. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING UTILITY LOCATIONS
- 2. SHOULD A PIPE EMERGENCY OCCUR, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OCU DISPATCH OPERATOR (407-836-2777) AND THE OCU INSPECTOR
- 3. THE CONTRACTOR SHALL NOTIFY THE OCU CONSTRUCTION DIVISION AT LEAST SEVEN DAYS PRIOR TO COMMENCEMENT OF THE CONSTRUCTION PROJECT BY CALLING (407) 254-9798.
- 4. THE CONTRACTOR SHALL NOTIFY THE OCU CONSTRUCTION DIVISION AT LEAST 48 HOURS PRIOR TO ANY UTILITIES CONSTRUCTION BY CALLING (407) 254-9798
- 5. THE MATERIALS, PRODUCTS, AND CONSTRUCTION OF ALL UTILITIES CONNECTING TO THE OCU SYSTEM SHALL BE IN CONFORMANCE WITH THE ORANGE COUNTY UTILITIES STANDARDS AND CONSTRUCTION SPECIFICATIONS MANUAL.
- 6. ALL OCU MAINS AND FACILITIES WITHIN THE LIMITS OF THE PROJECT SHALL BE SUPPORTED AND PROTECTED AGAINST DAMAGE DURING CONSTRUCTION.
- THE CONTRACTOR, AT THE CONTRACTOR'S EXPENSE, SHALL IMMEDIATELY REPAIR ALL DAMAGES TO OCU MAINS AND FACILITIES. IF THE REPAIR IS NOT MADE IN A TIMELY MANNER, AS DETERMINED BY OCU, OCU MAY PERFORM REQUIRED REPAIRS AND CLEANUP. THE CONTRACTOR WILL BE CHARGED FOR ALL EXPENSES ASSOCIATED WITH THE REPAIR.
- 8. THE CONTRACTOR SHALL ADJUST ALL EXISTING OCU MAINS AND FACILITIES IN CONFLICT WITH NEW GRADE, NEW OR ALTERED ROADWAYS, SIDEWALKS, DRIVEWAYS, OR STORM WATER IMPROVEMENTS. OCU FACILITIES TO BE ADJUSTED INCLUDE. BUT ARE NOT LIMITED TO PIPELINES, PUMP STATIONS, VALVE BOXES, AIR RELEASE VALVES, FIRE HYDRANTS, MANHOLE COVERS, AND METERS.
- ONLY OCU SHALL OPERATE OCU WATER, WASTEWATER, AND RECLAIMED WATER VALVES. THE CONTRACTOR SHALL COORDINATE VALVE OPERATION WITH THE OCU INSPECTOR, FOR OPERATION OF MAINS NOT OWNED BY OCU. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE APPROPRIATE UTILITY REPRESENTATIVE.
- 10. CONSTRUCTION ACTIVITIES SHALL NOT CAUSE INTERRUPTIONS IN WATER, WASTEWATER, OR RECLAIMED WATER SERVICE. THE CONTRACTOR SHALL COORDINATE PRE-APPROVED INTERRUPTIONS OF SERVICE WITH THE OCU INSPECTOR 7 WORKING DAYS IN ADVANCE.

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(IF NOT SCALE ACCORDINGLY)				
SCALE: AS NOTE	10-26-2017	CKM	BID SET	

0階級 ORANGE COUNTY UTILITIES CountY 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825

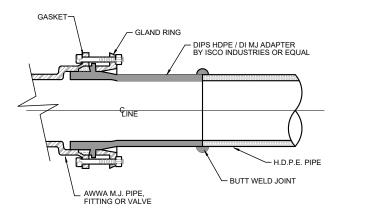


STANDARD D

JOHN YOUNG PARKWAY RECLAIMED

Thursday, October 26, 2017 F:\CIVIL\PROJECTS\2012\2012-39 OCU John Young Parkway Reclaimed Water Improvements\5.0 Drawings\2012-39 OCU JYP RWM D-03.dwg

DATE: February 11, 2011	GENERAL NOTES	FIGURE FigGN
DURING APPROVED INTE THE CONTRACTOR SHAL	L PROVIDE FOR BYPASSING AND/O RRUPTIONS OF WASTEWATER FLO L SUBMIT A BYPASS PLAN SIGNED ZR TO OCU DEVELOPMENT ENGINEI ION BY CONTRACTOR.	WS AND CONNECTIONS. AND SEALED BY A
CLOSED DURING CONST CLEARED BY FDEP. DO N	AS PART OF THIS CONSTRUCTION P RUCTION. KEEP VALVES ON ALL W NOT CONNECT NEWLY CONSTRUCT UNLESS CLEARED BY FDEP AND O	ET TAPS CLOSED UNTIL TED WATER MAINS TO ANY
PREVENTER FOR MAKING WATER SOURCE IN ORD POTABLE WATER. ANY T	L PROVIDE A JUMPER ASSEMBLY W 3 TEMPORARY CONNECTIONS TO A ER TO CHLORINATE AND FLUSH NE' EMPORARY POTABLE WATER CONI SHALL ALSO BE EQUIPPED WITH A E	N EXISTING POTABLE W WATER MAINS WITH NECTIONS TO RECLAIMED
ALLOWED. THE MAXIMU	. BE OWNED AND MAINTAINED BY C M ALLOWABLE TOLERANCE FOR JO R JOINT PER 20 FT STICK OF PIPE.) EEVES AND FITTINGS.	INT DEFLECTION IS 0.75
CURVES, EITHER HORIZO BY DEFLECTIONS AT THE AND LAYING RADIUS FOR	WILL BE OWNED AND MAINTAINED NNTAL OR VERTICAL, MAY BE INSTA JOINTS. MAXIMUM DEFLECTIONS R THE VARIOUS PIPE LENGTHS SHA IANUFACTURER'S RECOMMENDATI	LLED WITH STANDARD PIPE AT PIPE JOINTS, FITTINGS LL NOT EXCEED 75

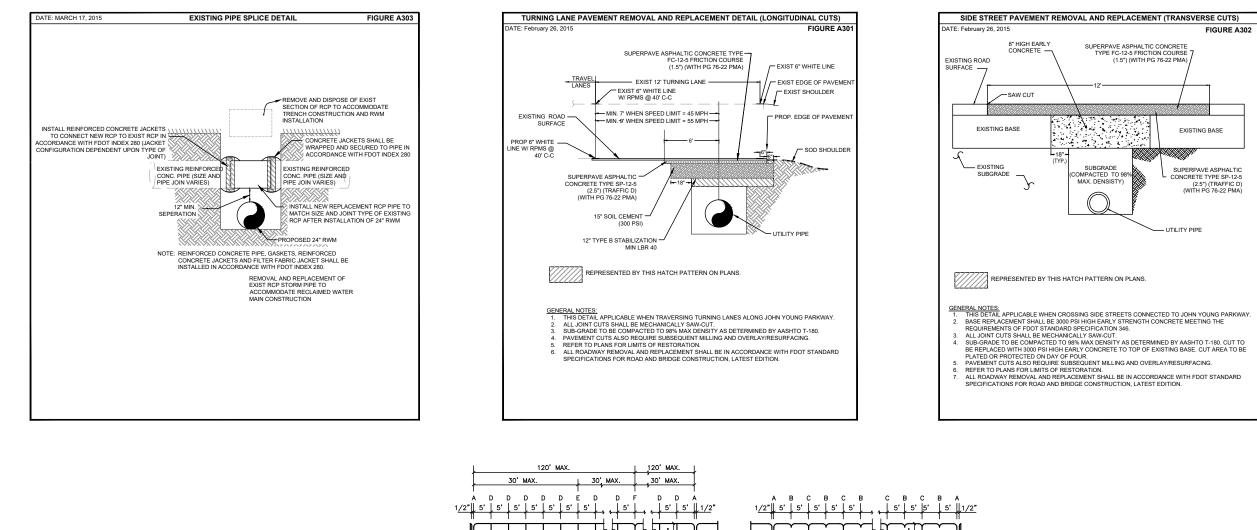


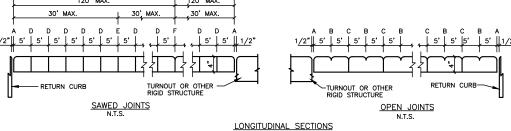
#### NOTES:

- 1. A RESTRAINED MJ ADAPTER SHALL BE REQUIRED AT LOCATIONS WHERE POLYETHYLENE PIPE IS CONNECTED TO DUCTILE IRON PIPE, FITTINGS OR VALVES.
- 2. WHERE POLYETHYLENE PIPE CONNECTS TO BUTTERFLY VALVES, THE M.J. ADAPTER SHALL BE DESIGNED TO ALLOW THE BUTTERFLY VALVE TO OPEN AND CLOSE WITHOUT INTERFERENCE FROM THE INSIDE WALL OF THE POLYETHLENE PIPE.

#### HDPE/DUCTILE IRON MECH. JOINT ADAPTER N.T.S.

O WATER MAIN IMPROVMENTS	DESIGN ENGINEER	PROJECT No.: 2012-39	DRAWING No.
	CYNTHIA K. MALONE, P.E.	PROJECT DATE: OCT 2017	
		DESIGNED BY: CKM	D-3
DETAILS		DRAWN BY: JAB	
DETAILO	FLORIDA REGISTRATION No.	CHECKED BY: GJH	SHEET
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JOINT LEGEND A. 1/2" EXPANSION JOINTS (PREFORMED JOINT FILLER)

B 1/2" DUMMY JOINTS TOOLED

- 1/2" FORMED OPEN JOINTS 3/16" SAW CUT JOINTS, 1 1/2" DEEP (96 HOUR) MAX 5' CENTERS
- 3/16" SAW CUT JOINTS, 1 1/2" DEEP (12 HOUR) MAX 30' CENTERS 1/2" EXPANSION JOINT WHEN RUN OF SIDEWALK EXCEEDS 120'

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CountY

- NOTES: 1. SIDEWALKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION No 522 EXCEPT FOR CURB CUT RAMP RUNS WHICH SHALL BE FINISHED IN ACCORDANCE WITH INDEX No 304. 2 BOND BREAKER MATERIAL CAN BE ANY IMPERMEABLE. COATED OR SHEET
- MEMBRANE OR PREFORMED MATERIAL HAVING A THICKNESS OF NOT LESS THAN 6 MILS NOR MORE THAN 1/2 INCH.
- 3. FOR CURB CUT RAMPS SEE INDEX No 304.
- STANDARD INDEX 304.

CONCRETE SIDEWALK DETAIL NTS

No.	REVISIONS	BY	DATE	
				LINE IS 1 INCH
				AT FULL SIZE
				(IF NOT SCALE ACCORDINGLY)
	BID SET	CKM	10-26-2017	SCALE: AS NOTED

ORANGE COUNTY UTILITIES 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825

BFA Environmental Consultants and and Associates, Inc. st Street, Orlando, FL, 32803 Barnes, Fei 1230 E. Hille ENGINEERING BUSINESS No. 6899

STANDARD

SIDEWALK WIDTH VARIES MATCH EXIST. SIDEWALK

SLOPE: MATCH EXIST. (MAX. 0.01)

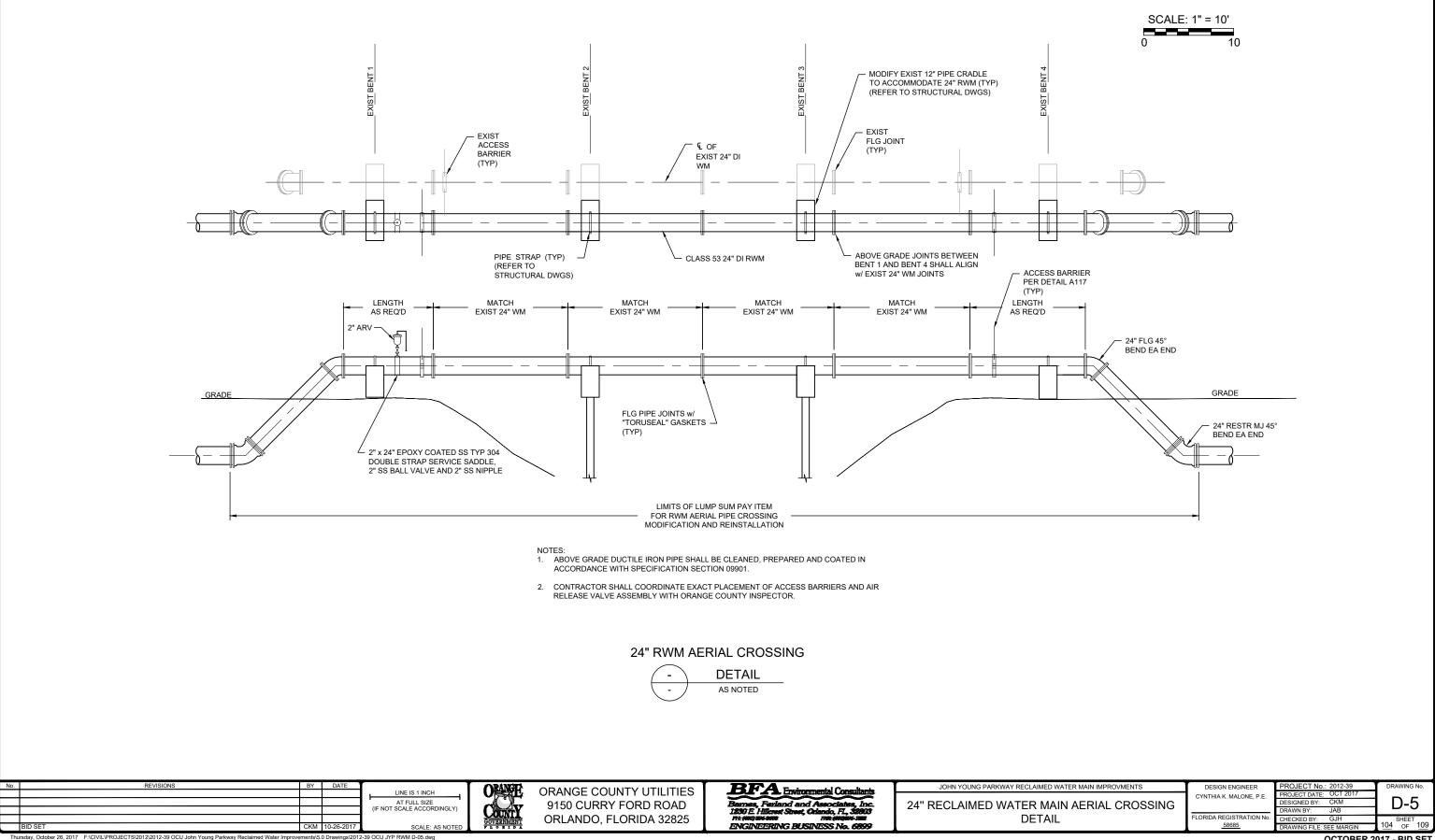
TYPICAL CROSS SECTION N.T.S.

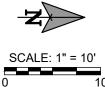
* mmmmmmm

THICKNESS MATCH EXIST. (MIN. 4")

hursday, October 26, 2017 F:\CIVIL\PROJECTS\2012\2012-39 OCU John Young Parkway Reclaimed Water Improvements\5.0 Drawings\2012-39 OCU JYP RWM D-04.dwg

JOHN YOUNG PARKWAY RECLAIMED WATER MAIN IMPROVMENTS	DESIGN ENGINEER	PROJECT No.: 2012-39	DRAWING No.
	CYNTHIA K. MALONE, P.E.	PROJECT DATE: OCT 2017	
STANDARD DETAILS		DESIGNED BY: CKM	1)-4
		DRAWN BY: JAB	
	FLORIDA REGISTRATION No.	CHECKED BY: GJH	SHEET
	58685	DRAWING FILE: SEE MARGIN	103 OF 109
	-91.		





# GENERAL STRUCTURAL NOTES

#### DESIGN CRITERIA

CODES:

2010 FLORIDA BUILDING CODE

REINFORCED CONCRETE:

ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"

#### GENERAL CONDITIONS

ALL STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE CIVIL, ELECTRICAL, AND SHOP DRAWINGS AND SPECIFICATIONS.

THE CONTRACTOR SHALL REVIEW AND VERIFY DIMENSIONS SHOWN IN ALL PLANS AND REVIEW ALL FIELD CONDITIONS THAT MAY AFFECT THE INSTALLATION OF THE FACILITY. SHOULD DISCREPANCIES APPEAR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING TO OBTAIN ENGINEER'S CLARIFICATION BEFORE COMMENCING WITH THE WORK

SIZE AND LOCATION OF EQUIPMENT PADS AND ANCHOR BOLTS SHALL BE PER EQUIPMENT MANUFACTURERS REQUIREMENTS.

ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN DETAIL IS SHOWN.

#### REINFORCING STEEL

REINFORCEMENT SHALL CONFORM TO ASTM A615, GRADE 60 REQUIREMENTS. WELDED WIRE FABRIC, ASTM A185, ALL ACCESSORIES SHALL BE IN CONFORMANCE WITH ACI 315 REQUIREMENTS, REINFORCING STELL SHALL HAVE THE FOLLOWING CLEAR COVER UNLESS OTHERWISE NOTED:

.3"

- CONCRETE CAST AGAINST EARTH

 FORMED SURFACES IN CONTACT WITH SOIL, SEWAGE, WATER OR EXPOSED TO WEATHER 2"

LAP SPLICES SHALL BE AS SHOWN ON THE DRAWINGS. FOR LAP SPLICES NOT SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL OBTAIN ENGINEERS APPROVAL.

THE CONTRACTOR SHALL PREPARE PLACING DRAWINGS AND SCHEDULES IN CONFORMANCE WITH ACI 315 REQUIREMENTS.

#### CONCRETE

ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 318 REQUIREMENTS (LATEST EDITION)

ALL CONCRETE SHALL BE AIR-ENTRAINED WITH <u>4000 PSI</u> COMPRESSIVE STRENGTH AT 28 DAYS UNLESS OTHERWISE NOTED.

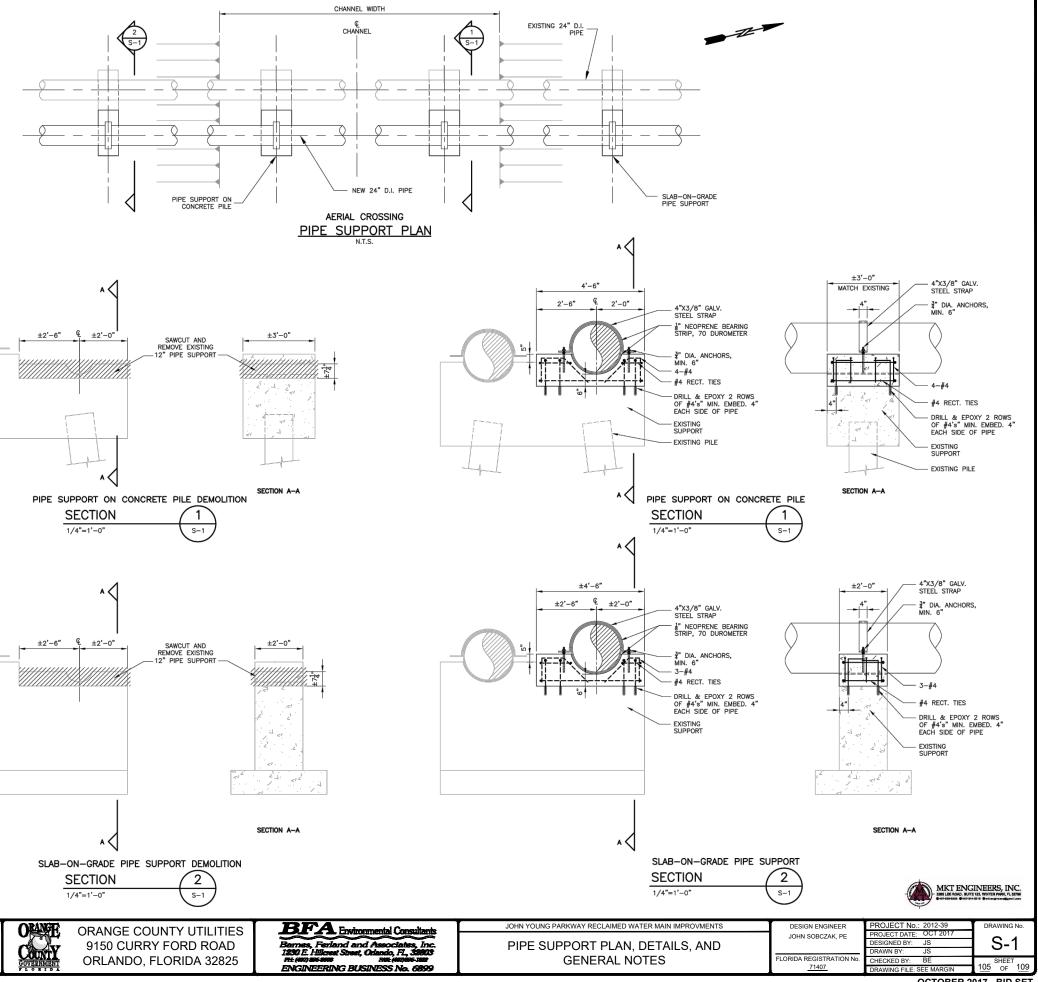
WATER REDUCING AGENT SHALL BE IN ACCORDANCE WITH ASTM C494

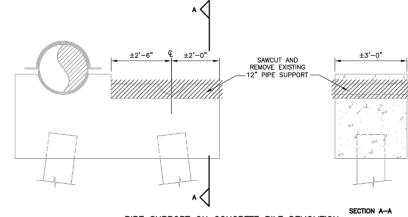
ALL CONCRETE SURFACES EXPOSED TO AIR, UNLESS OTHERWISE NOTED IN SPECIFICATIONS, SHALL BE TREATED WITH AN APPROPRIATE CURING COMPOUND AS SOON AS CEMENT FINISHING IS COMPLETED OR FORMS ARE REMOVED. ALL CONCRETE TO BE FINISHED BY REMOVING INS AND PROTRUSIONS AND PROVIDING A CEMENT SLURRY RUBBED FINISH.

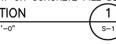
ALL EXPOSED CORNERS SHALL HAVE A MINIMUM CHAMFER OF  ${\overline{4}}^{\ast}$  or matching existing.

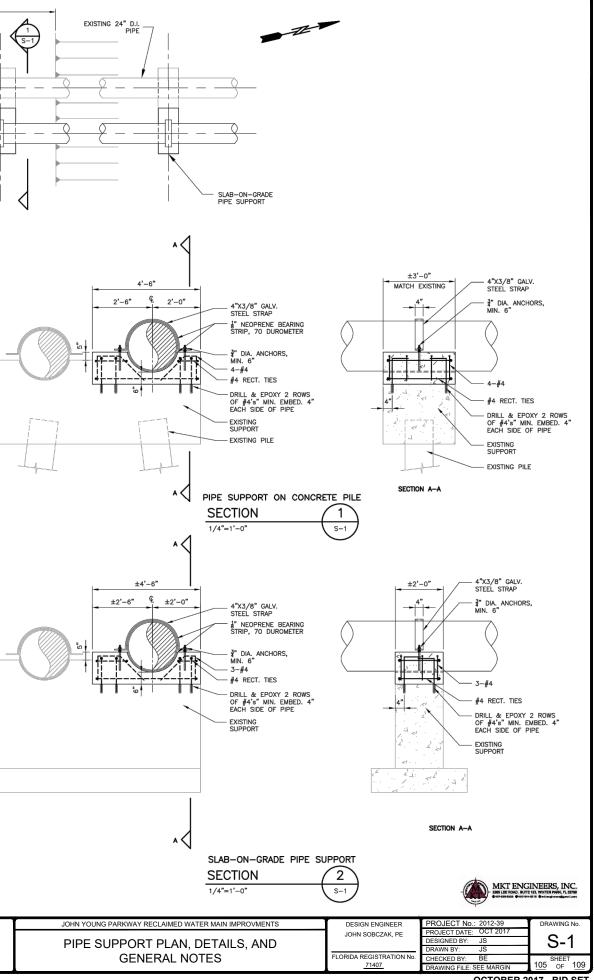
THE CONTRACTOR SHALL OBTAIN ENGINEER'S APPROVAL FOR THE LOCATIONS OF CONSTRUCTION JOINTS THAT ARE NOT SHOWN ON THE DRAWINGS.

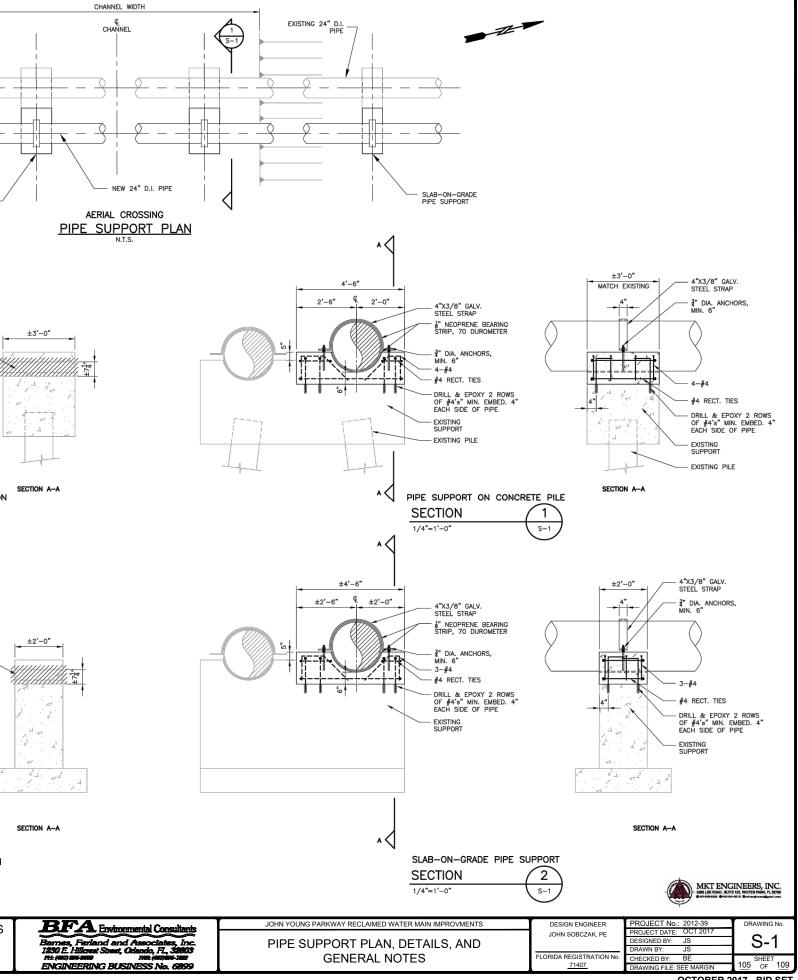
PROVIDE BONDING AGENT BETWEEN ALL NEW AND EXISTING CONCRETE POURS.

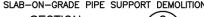


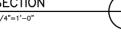








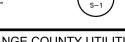




LINE IS 1 INCH

AT FULL SIZE (IF NOT SCALE ACCORDINGLY)

SCALE: AS NO



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CKM 10-26-20

OCTOBER 2017 - BID SET

# VALVES WORKSHEET

ID Number	Plan Sheet #	Easting	Northing	Elevation	Valve Type	Main Type	Valve Siz
U1-ARV1	U1				ARV - Vacuum	Reclaimed Water Main	2
U7-GV1	U7				Gate	Reclaimed Water Main	24
U9-ARV1	U9				ARV - Vacuum	Reclaimed Water Main	2
U11-GV1	U11				Gate	Reclaimed Water Main	24
U13-ARV1	U13				ARV - Vacuum	Reclaimed Water Main	2
U13-ARV2	U13				ARV - Vacuum	Reclaimed Water Main	2
U13-GV1	U13				Gate	Reclaimed Water Main	24
U13-GV2	U13				Gate	Reclaimed Water Main	24
U15-ARV1	U13				ARV - Vacuum	Reclaimed Water Main	2
U17-ARV1	U17				ARV - Vacuum	Reclaimed Water Main	2
U17-GV1	U17				Gate	Reclaimed Water Main	24
U19-ARV1	U19				ARV - Vacuum	Reclaimed Water Main	2
U21-GV1	U21				Gate	Reclaimed Water Main	24
U23-ARV1	U23				ARV - Vacuum	Reclaimed Water Main	
	U23						2
U23-GV1					Gate	Reclaimed Water Main	24
U25-ARV1	U25				ARV - Vacuum	Reclaimed Water Main	2
U25-GV1	U25				Gate	Reclaimed Water Main	24
U25-GV2	U25				Gate	Reclaimed Water Main	24
U31-GV1	U31				Gate	Reclaimed Water Main	24
U31-GV2	U31				Gate	Reclaimed Water Main	24
U33-ARV1	U33				ARV - Vacuum	Reclaimed Water Main	2
U33-GV-1	U33				Gate	Reclaimed Water Main	24
U33-GV-2	U33				Gate	Reclaimed Water Main	24
U35-ARV1	U35				ARV - Vacuum	Reclaimed Water Main	2
U35-GV1	U35				Gate	Reclaimed Water Main	24
U37-GV1	U37				Gate	Reclaimed Water Main	24
U39-ARV1	U39				ARV - Vacuum	Reclaimed Water Main	2
U39-GV1	U39				Gate	Reclaimed Water Main	24
U43-ARV1	U43				ARV - Vacuum	Reclaimed Water Main	2
U43-GV1	U43				Gate	Reclaimed Water Main	24
U45-ARV1	U45				ARV - Vacuum	Reclaimed Water Main	2
U45-GV1	U45				Gate	Reclaimed Water Main	24
U45-GV2	U45				Gate	Reclaimed Water Main	24
U45-GV3	U45				Gate	Reclaimed Water Main	24
U49-ARV1	U49				ARV - Vacuum	Reclaimed Water Main	2
U49-GV1	U49				Gate	Reclaimed Water Main	24
U51-ARV1	U51				ARV - Vacuum	Reclaimed Water Main	2
U51-GV1	U51				Gate	Reclaimed Water Main	24
U55-ARV1	U55				ARV - Vacuum	Reclaimed Water Main	
							2
U57-ARV1	U57				ARV - Vacuum	Reclaimed Water Main	2
U57-GV1	U57				Gate	Reclaimed Water Main	24
U57-GV2	U57				Gate	Reclaimed Water Main	24
U57-GV3	U57				Gate	Reclaimed Water Main	24
U59-ARV1	U59				ARV - Vacuum	Reclaimed Water Main	2
U59-GV1	U59				Gate	Reclaimed Water Main	24
U63-ARV1	U63				ARV - Vacuum	Reclaimed Water Main	2
U63-GV1	U63				Gate	Reclaimed Water Main	24
U67-ARV1	U67				ARV - Vacuum	Reclaimed Water Main	2
U67-ARV2	U67				ARV - Vacuum	Reclaimed Water Main	2
U67-GV1	U67				Gate	Reclaimed Water Main	24
U67-GV2	U67				Gate	Reclaimed Water Main	24
U71-GV1	U71				Gate	Reclaimed Water Main	24
U73-ARV1	U73				ARV - Vacuum	Reclaimed Water Main	2
U73-GV1	U73				Gate	Reclaimed Water Main	24

REVISIONS BY DATE

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AT FULL SIZE (IF NOT SCALE ACCORDINGLY)	Carry
SCALE: AS NOTED	GOVERNMENT

ORANGE COUNTY UTILITIES 9150 CURRY FORD ROAD ORLANDO, FLORIDA 32825 BFA Environmental Consultants Barnes, Ferland and Associates, Inc. 1230 E Hillowst Stort, Otlando, FI, 32903 Int (mgas-see ENGINEERING BUSINESS No. 6899 JOHN YOUNG PARKWAY RECLAIMED

ASBUILT COORDINATE ATT

D WATER MAIN IMPROVMENTS	DESIGN ENGINEER	PROJECT No.: 2012-39	DRAWING No.							
	CYNTHIA K. MALONE, P.E.	PROJECT DATE: OCT 2017								
	- · · · · · · · · · · · · · · · · · · ·	DESIGNED BY: CKM	CA-1							
FRIBUTE ASSET TABLES		DRAWN BY: JAB	0/11							
	FLORIDA REGISTRATION No. 58685	CHECKED BY: GJH	106 OF 109							
		DRAWING FILE: SEE MARGIN								

ID Number	Plan Sheet #	Easting	Northing	Elevation	Main Type	Type of Shot	PIPES WORKSHEET	ID Number	Plan Sheet #	Easting	Northing	Elev
U1-P1	U1				Reclaimed Water Main	Shot on Pipe		U19-P1	U19			
U1-P2	U1				Reclaimed Water Main	Shot on Pipe		U19-P2	U19			
U1-P3	U1				Reclaimed Water Main	Shot on Pipe		U19-P3	U19			
						Shot on Dire		U19-P4	U19			
								013-60	019			
	U2					Shot on Pipe		P21-U1	U21			
U3-P5	U2				Reclaimed Water Main	Shot on Pipe		P21-U2	U21			1
						· · ·		P21-U3	U21			
U5-P1	U5				Reclaimed Water Main	Shot on Pipe		P21-U4	U21			
U5-P2	U5				Reclaimed Water Main	Shot on Pipe		P21-U5	U21			
U5-P3	U5				Reclaimed Water Main	Shot on Pipe		P21-U6	U21			
U5-P4	U5				Reclaimed Water Main	Shot on Pipe						
U5-P5	U5				Reclaimed Water Main	Snot on Pipe			U23			
117 01	117				Peclaimed Water Main	Shot on Pine						
						Shot on Pipe						
U7-P4	U7				Reclaimed Water Main	Shot on Pipe		U23-P6	U23		<u> </u>	
U7-P5	U7				Reclaimed Water Main	Shot on Pipe						
								U25-P1	U25			
U9-P1	U9				Reclaimed Water Main	Shot on Pipe		U25-P2	U25			
U9-P2	U9				Reclaimed Water Main	Shot on Pipe		U25-P3	U25			
U9-P3	U9				Reclaimed Water Main	Shot on Pipe		U25-P4	U25			
					Reclaimed Water Main			U25-P5	U25			
								U25-P6	025			
								LI27-P1	1127			
U9-P7						Shot on Pipe		U27-P1	U27			
U9-P9	U9				Reclaimed Water Main	Shot on Pipe		U27-P3	U27			
								U27-P4	U27			
U11-P1	U11				Reclaimed Water Main	Bore & Jack (Casing)		U27-P5	U27			
U11-P2	U11				Reclaimed Water Main	Shot on Pipe		U27-P6	U27			
U11-P3	U11				Reclaimed Water Main	Bore & Jack (Casing)						
U11-P4	U11				Reclaimed Water Main			U29-P1	U29			
U11-P5	U11				Reclaimed Water Main							
U11-P6	U11				Keciaimed Water Main	DULE & JACK (Casing)						
U13-P1	1/13				Reclaimed Water Main	Shot on Pipe						
U13-P1 U13-P2	U13				Reclaimed Water Main	Bore & Jack (Casing)		U29-P5	U29			
U13-P3	U13				Reclaimed Water Main	Shot on Pipe						
U13-P4	U13				Reclaimed Water Main	Shot on Pipe		U31-P1	U31			
U13-P5	U13				Reclaimed Water Main	Shot on Pipe		U31-P2	U31			
U13-P6	U13				Reclaimed Water Main	Shot on Pipe		U31-P3	U31			
						Chur Ci		U31-P4	U31			
U15-P1	U15				Reclaimed Water Main							
								031-P6	031			
								U33-P1	1133			-
						Shot on Pipe		U33-P1 U33-P2	U33			
U15-P6	U15				Reclaimed Water Main	Shot on Pipe		U33-P3	U33			
								U33-P4	U33			
U17-P1	U17				Reclaimed Water Main	Shot on Pipe		U33-P5	U33			
U17-P2	U17				Reclaimed Water Main	Shot on Pipe		U33-P6	U33			
U17-P3	U17				Reclaimed Water Main	Shot on Pipe						
U17-P4	U17				Reclaimed Water Main	Shot on Pipe		U35-P1	U35			
U17-P5	U17				Reclaimed Water Main			-				-
U1/-P7	01/				Keciaimed Water Main	Shot on Pipe						
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	1				L	1	N. 1	·	•	•		
	1	BY DATE		3	OPINIT				. Y	ИНОІ	YOUNG PARKING	AY RECL
		BY DATE						wironmental Co		JOHN	YOUNG PARKWA	AY RECL
		BY DATE	LINE IS AT FUL (IF NOT SCALE A	L SIZE	915	NGE COUNTY 50 CURRY FOR LANDO, FLORIE	D ROAD Barnes, Ferland	Nironmental Co I and Associations, Orlando, FL	nsultants is, Inc. , 32803	JOHN		
	U1-P1 U1-P2 U1-P3 U3-P1 U3-P3 U3-P4 U3-P3 U3-P4 U3-P5 U5-P1 U5-P1 U5-P3 U5-P3 U5-P4 U5-P3 U5-P4 U7-P1 U7-P1 U7-P2 U7-P3 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P3 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4 U7-P4	U1-P1U1U1-P2U1U1-P3U1U3-P1U2U3-P3U2U3-P4U2U3-P4U2U3-P4U2U3-P4U2U3-P4U2U3-P4U2U3-P4U2U3-P4U2U3-P4U5U5-P1U5U5-P3U5U5-P4U5U5-P4U7U7-P1U7U7-P3U7U7-P4U7U7-P4U9U9-P1U9U9-P1U9U9-P3U9U9-P4U9U9-P5U9U9-P5U9U9-P6U9U9-P7U11U11-P1U11U11-P2U11U11-P3U11U11-P3U13U13-P1U13U13-P1U13U13-P1U13U13-P1U13U13-P2U13U13-P3U13U13-P4U15U15-P3U15U15-P4U15U15-P5U15U15-P4U17U17-P4U17U17-P4U17U17-P4U17U17-P4U17U17-P5U17U17-P4U17U17-P5U17U17-P6U17	U1-P1U1U1-P2U1U1-P3U1U1-P3U1U3-P1U2U3-P2U2U3-P3U2U3-P4U2U3-P5U2U3-P5U2U3-P5U2U3-P4U5U5-P1U5U5-P3U5U5-P3U5U5-P4U5U5-P5U7U7-P1U7U7-P2U7U7-P3U7U7-P4U7U7-P5U7U7-P5U7U7-P4U7U9-P1U9U9-P2U9U9-P3U9U9-P4U9U9-P5U9U1-P1U11U11-P1U11U11-P1U11U11-P1U11U11-P1U11U11-P1U11U11-P1U11U11-P1U11U11-P1U11U11-P1U11U11-P1U11U11-P1U11U11-P1U11U11-P2U11U11-P3U11U11-P4U11U11-P5U11U13-P1U13U13-P2U13U13-P3U13U13-P4U15U15-P3U15U15-P4U17U17-P4U17U17-P4U17U17-P4U17U17-P4U17U17-P5U17U17-P4U17U	U1-P1U1IU1-P2U1IU1-P3U1IU3-P1U2IU3-P2U2IU3-P3U2IU3-P4U2IU3-P5U2IU3-P5U2IU5-P1U5IU5-P3U5IU5-P4U5IU5-P5U5IU7-P1U7IU7-P1U7IU7-P3U7IU7-P4U7IU7-P5U7IU9-P1U9IU9-P1U9IU9-P2U9IU9-P3U9IU9-P4U9IU9-P5U9IU11-P1U11IU11-P2U11IU11-P3U11IU11-P4U11IU11-P5U11IU13-P1U13IU13-P1U13IU13-P1U13IU13-P4U13IU13-P5U13IU13-P4U15IU15-P5U15IU15-P6U15IU15-P1U15IU15-P2U15IU15-P4U15IU15-P5U15IU15-P6U15IU15-P6U15IU15-P6U15IU15-P6U17IU17-P3 </td <td>U1-P1U1IIU1-P2U1IIU1-P2U1IIU1-P3U1IIU3-P1U2IIU3-P2U2IIU3-P3U2IIU3-P4U2IIU3-P5U2IIU5-P1U5IIU5-P3U5IIU5-P4U5IIU5-P5U5IIU7-P1U7IIU7-P3U7IIU7-P3U7IIU7-P3U7IIU9-P4U9IIU9-P5U9IIU9-P6U9IIU9-P7U9IIU9-P8U9IIU11-P1U11IIU11-P2U11IIU11-P3U11IIU11-P4U11IIU11-P5U13IIU11-P4U13IIU13-P4U13IIU13-P5U13IIU13-P4U15IIU15-P4U15IIU15-P5U15IIU15-P5U15IIU15-P5U15IIU15-P5U15IIU15-P5U15IIU1</td> <td>U1-P1U1Reclaimed Water MainU1-P2U1Reclaimed Water MainU1-P3U1Reclaimed Water MainU3-P1U2Reclaimed Water MainU3-P2U2Reclaimed Water MainU3-P3U2Reclaimed Water MainU3-P4U2Reclaimed Water MainU3-P5U2Reclaimed Water MainU3-P4U2Reclaimed Water MainU3-P5U2Reclaimed Water MainU3-P5U2Reclaimed Water MainU5-P1U5Reclaimed Water MainU5-P2U5Reclaimed Water MainU5-P3U5Reclaimed Water MainU5-P4U5Reclaimed Water MainU5-P4U7Reclaimed Water MainU7-P1U7Reclaimed Water MainU7-P2U7Reclaimed Water MainU7-P3U7Reclaimed Water MainU7-P4U7Reclaimed Water MainU7-P5U9Reclaimed Water MainU9-P1U9Reclaimed Water MainU9-P2U9Reclaimed Water MainU9-P4U9Reclaimed Water MainU9-P5U9Reclaimed Water MainU9-P6U9Reclaimed Water MainU9-P7U9Reclaimed Water MainU9-P8U9Reclaimed Water MainU1-P1U11Reclaimed Water MainU1-P1U11Reclaimed Water MainU1-P1U11Reclaimed Water MainU13-P2U13Reclaimed Water MainU13-P3<td>U1-P1         U1         Shot on Pipe           U1-P2         U1         Reclaimed Water Main         Shot on Pipe           U1-P3         U1         Reclaimed Water Main         Shot on Pipe           U3-P1         U2         Reclaimed Water Main         Shot on Pipe           U3-P2         U2         Reclaimed Water Main         Shot on Pipe           U3-P3         U2         Reclaimed Water Main         Shot on Pipe           U3-P4         U5         Reclaimed Water Main         Shot on Pipe           U5-P1         U5         Reclaimed Water Main         Shot on Pipe           U5-P2         U5         Reclaimed Water Main         Shot on Pipe           U5-P3         U5         Reclaimed Water Main         Shot on Pipe           U7-P1         U7         Reclaimed Water Main         Shot on Pipe           U7-P2         U7         Reclaimed Water Main         Shot on Pipe           U7-P3         U7         Reclaimed Water Main         Shot on Pipe</td><td>U119         U11         Image: Constraint of the section of Water Main         Shot on Pipe           U129         U1         Image: Constraint of the section of Water Main         Shot on Pipe           U1291         U2         Image: Constraint of the section of Main         Shot on Pipe           U1292         U2         Image: Constraint of Main         Shot on Pipe           U1292         U2         Image: Constraint of Main         Shot on Pipe           U1292         U2         Image: Constraint of Main         Shot on Pipe           U1294         U2         Image: Constraint of Main         Shot on Pipe           U1292         U3         Image: Constraint of Main         Shot on Pipe           U294         U3         Image: Constraint of Main         Shot on Pipe           U294         U3         Image: Constraint of Main         Shot on Pipe           U594         U3         Image: Constraint of Main         Shot on Pipe           U594         U3         Image: Constraint of Main         Shot on Pipe           U294         U3         Image: Constraint of Main         Shot on Pipe           U294         U3         Image: Constraint of Main         Shot on Pipe           U294         U3         Image: Constraint of Main         <t< td=""><td>U1-21         U3         U3</td><td>10142101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101<th< 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       Shot on Pipe           U7-P1         U7         Reclaimed Water Main         Shot on Pipe           U7-P2         U7         Reclaimed Water Main         Shot on Pipe           U7-P3         U7         Reclaimed Water Main         Shot on Pipe</td> <td>U119         U11         Image: Constraint of the section of Water Main         Shot on Pipe           U129         U1         Image: Constraint of the section of Water Main         Shot on Pipe           U1291         U2         Image: Constraint of the section of Main         Shot on Pipe           U1292         U2         Image: Constraint of Main         Shot on Pipe           U1292         U2         Image: Constraint of Main         Shot on Pipe           U1292         U2         Image: Constraint of Main         Shot on Pipe           U1294         U2         Image: Constraint of Main         Shot on Pipe           U1292         U3         Image: Constraint of Main         Shot on Pipe           U294         U3         Image: Constraint of Main         Shot on Pipe           U294         U3         Image: Constraint of Main         Shot on Pipe           U594         U3         Image: Constraint of Main         Shot on Pipe           U594         U3         Image: Constraint of Main         Shot on Pipe           U294         U3         Image: Constraint of Main         Shot on Pipe           U294         U3         Image: Constraint of Main         Shot on Pipe           U294         U3         Image: Constraint of Main         <t< td=""><td>U1-21         U3         U3</td><td>10142101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101<th< 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td=""></th<></td></th<></td></t<></td>	U1-P1         U1         Shot on Pipe           U1-P2         U1         Reclaimed Water Main         Shot on Pipe           U1-P3         U1         Reclaimed Water Main         Shot on Pipe           U3-P1         U2         Reclaimed Water Main         Shot on Pipe           U3-P2         U2         Reclaimed Water Main         Shot on Pipe           U3-P3         U2         Reclaimed Water Main         Shot on Pipe           U3-P4         U5         Reclaimed Water Main         Shot on Pipe           U5-P1         U5         Reclaimed Water Main         Shot on Pipe           U5-P2         U5         Reclaimed Water Main         Shot on Pipe           U5-P3         U5         Reclaimed Water Main         Shot on Pipe           U7-P1         U7         Reclaimed Water Main         Shot on Pipe           U7-P2         U7         Reclaimed Water Main         Shot on Pipe           U7-P3         U7         Reclaimed Water Main         Shot on Pipe	U119         U11         Image: Constraint of the section of Water Main         Shot on Pipe           U129         U1         Image: Constraint of the section of Water Main         Shot on Pipe           U1291         U2         Image: Constraint of the section of Main         Shot on Pipe           U1292         U2         Image: Constraint of Main         Shot on Pipe           U1292         U2         Image: Constraint of Main         Shot on Pipe           U1292         U2         Image: Constraint of Main         Shot on Pipe           U1294         U2         Image: Constraint of Main         Shot on Pipe           U1292         U3         Image: Constraint of Main         Shot on Pipe           U294         U3         Image: Constraint of Main         Shot on Pipe           U294         U3         Image: Constraint of Main         Shot on Pipe           U594         U3         Image: Constraint of Main         Shot on Pipe           U594         U3         Image: Constraint of Main         Shot on Pipe           U294         U3         Image: Constraint of Main         Shot on Pipe           U294         U3         Image: Constraint of Main         Shot on Pipe           U294         U3         Image: Constraint of Main <t< td=""><td>U1-21         U3         U3</td><td>10142101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101<th< 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Thursday, October 26, 2017 F:ICIVIL\PROJECTS\2012\2012-39 OCU John Young Parkway Reclaimed Water Improvements\5.0 Drawings\2012-39 OCU JYP RWM CA-02.dwg

Elevation	Type of Shot						
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RECLAIMED WA	ATER MAIN IMPROVMENTS		DESIGN ENG				
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Internet       Internet       Non-Preprint       Non-Prepreprint       Non-Preprin       Non-	ID Number	Plan Sheet #	Easting	Northing	Elevation	Main Type	Type of Shot	PIPES WORKSHEET (CONT.)	ID Number	Plan Sheet #	Easting Nor	hing Elevation	Main Type	Type of Shot
mm         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m	U37-P1	U37				Reclaimed Water Main	Shot on Pipe		U59-P1	U59			Reclaimed Water Main	Shot on Pipe
	U37-P2	U37				Reclaimed Water Main	Shot on Pipe		U59-P2	U59			Reclaimed Water Main	Shot on Pipe
1/2         Loc         Dot         Dot         Decimation on the March Person the March Person the March	U37-P3	U37				Reclaimed Water Main	Shot on Pipe		U59-P3	U59			Reclaimed Water Main	Shot on Pipe
100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100 </td <td>U37-P4</td> <td>U37</td> <td></td> <td></td> <td></td> <td>Reclaimed Water Main</td> <td>Shot on Pipe</td> <td></td> <td>U59-P4</td> <td>U59</td> <td></td> <td></td> <td>Reclaimed Water Main</td> <td>Shot on Pipe</td>	U37-P4	U37				Reclaimed Water Main	Shot on Pipe		U59-P4	U59			Reclaimed Water Main	Shot on Pipe
	U37-P5	U37				Reclaimed Water Main	Shot on Pipe		U59-P5	U59			Reclaimed Water Main	Shot on Pipe
101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       101       1	U37-P6	U37				Reclaimed Water Main	Shot on Pipe		U59-P6	U61			Reclaimed Water Main	Shot on Pipe
10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10         10/10 </td <td>U39-P1</td> <td>U39</td> <td></td> <td></td> <td></td> <td>Reclaimed Water Main</td> <td>Shot on Pipe</td> <td></td> <td>U61-P1</td> <td>U61</td> <td></td> <td></td> <td>Reclaimed Water Main</td> <td>Shot on Pipe</td>	U39-P1	U39				Reclaimed Water Main	Shot on Pipe		U61-P1	U61			Reclaimed Water Main	Shot on Pipe
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1010         Image: marked marke	U39-P3						Shot on Pipe							
00     Image: marked of the second of the sec	U39-P4						Shot on Pipe							Shot on Pipe
○日         ○日         Feared Ore from P         Over reference	U39-P5						Shot on Pipe							Shot on Pipe
Unit         Unit </td <td></td>														
	U43-P1	U43				Reclaimed Water Main	Shot on Pipe		U63-P1	U63			Reclaimed Water Main	Shot on Pipe
104         1         Recurso Statur Atm         Abita Prip           045         -         Recurso Statur Atm         Abita Prip           047         -         Recurso Statur Atm         Abita Prip           048         -         Reclamac Statur Atm         Abita Prip           049         -         Reclamac Stat									U63-P2	U63			Reclaimed Water Main	Shot on Pipe
initian         mathema (war Maa)         Matter Pe         Mathema (war Maa)         Matter Pe           105         -         -         National (war Maa)         Matter Pe           106         -         National (war Maa)         Matter Pe           107         -         -         National (war Maa)         Matter Pe           108         -	U45-P1	U45				Reclaimed Water Main	Shot on Pipe		U63-P3	U63			Reclaimed Water Main	Shot on Pipe
Horizon	U45-P2	U45				Reclaimed Water Main	Shot on Pipe		U63-P4	U63			Reclaimed Water Main	Shot on Pipe
	U45-P3	U45				Reclaimed Water Main	Shot on Pipe		U63-P5	U63			Reclaimed Water Main	Shot on Pipe
U         U         U         Point Present Vate Mail         Point Present Vate Mail <t< td=""><td>U45-P4</td><td>U45</td><td></td><td></td><td></td><td>Reclaimed Water Main</td><td>Shot on Pipe</td><td></td><td>U63-P6</td><td>U63</td><td></td><td></td><td>Reclaimed Water Main</td><td>Shot on Pipe</td></t<>	U45-P4	U45				Reclaimed Water Main	Shot on Pipe		U63-P6	U63			Reclaimed Water Main	Shot on Pipe
	U45-P5	U45				Reclaimed Water Main								
10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0         10/0 <t< td=""><td>U45-P6</td><td>U45</td><td></td><td></td><td></td><td>Reclaimed Water Main</td><td>Shot on Pipe</td><td></td><td>U65-P1</td><td>U65</td><td></td><td></td><td>Reclaimed Water Main</td><td>Shot on Pipe</td></t<>	U45-P6	U45				Reclaimed Water Main	Shot on Pipe		U65-P1	U65			Reclaimed Water Main	Shot on Pipe
Unit         Inclument Water Man         Motion Program           U/7          Notion Water Man         Notion Program           U/7          Notion Program	U47-P1	U47				Reclaimed Water Main	Shot on Pipe		U67-P1	U67			Reclaimed Water Main	Shot on Pipe
1 4/2       Image: marked marke	U47-P2						Shot on Pipe					1		
UP         Image: Control of the image: Contro of the image: Contro of the image: Control of the ima	U47-P3	U47					Shot on Pipe							Shot on Pipe
U/0         I         I         Decisional Water Mail         Statics Plays           U/0         I         I         I         I         Inclusional Water Mail         Statics Plays           U/0         I         Inclusional Water Mail         Statics Plays         U/0         Inclusional Water Mail         Statics Plays           U/0         Inclusional Water Mail         Statics Plays         U/0         Inclusional Water Mail         Statics Plays           U/0         Inclusional Water Mail         Statics Plays         U/0         Inclusional Water Mail         Statics Plays           U/0         Inclusional Water Mail         Statics Plays         U/0         Inclusional Water Mail         Statics Plays           U/0         Inclusional Water Mail         Statics Plays         U/0         Inclusional Water Mail         Statics Plays           U/0         Inclusional Water Mail         Statics Plays         U/1         Inclusional Water Mail         Statics Plays           U/1         Inclusional Water Mail         Statics Plays         U/1         Inclusional Water Mail         Statics Plays           U/1         Inclusional Water Mail         Statics Plays         U/1         Inclusional Water Mail         Statics Plays           U/1         Inclusional Water Mail </td <td>U47-P4</td> <td>U47</td> <td></td> <td></td> <td></td> <td>Reclaimed Water Main</td> <td>Shot on Pipe</td> <td></td> <td>U67-P4</td> <td>U67</td> <td></td> <td></td> <td>Reclaimed Water Main</td> <td>Shot on Pipe</td>	U47-P4	U47				Reclaimed Water Main	Shot on Pipe		U67-P4	U67			Reclaimed Water Main	Shot on Pipe
UP         Image: Construction of the section of Value Main         South on Prior           U/0         Image: Construction of the section of Value Main         South on Prior           U/0         Image: Construction of the section of Value Main         South on Prior           U/0         Image: Construction of Value Main         South on Prior           U/0         Image: Construction of Value Main         South on Prior           U/0         Image: Construction of Value Main         South on Prior           U/0         Image: Construction of Value Main         South on Prior           U/0         Image: Construction of Value Main         South on Prior           U/0         Image: Construction of Value Main         South on Prior           U/1         Image: Construction of Value Main         South on Prior           U/1         Image: Construction of Value Main         South on Prior           U/1         Image: Construction of Value Main         South on Prior           U/1         Image: Construction of Value Main         South on Prior           U/1         Image: Construction of Value Main         South on Prior           U/1         Image: Construction of Value Main         South on Prior           U/1         Image: Construction of Value Main         Southon Prior           U/1	U47-P5	U47				Reclaimed Water Main	Shot on Pipe							
Unp         Image: Second	U47-P6	U47				Reclaimed Water Main	Shot on Pipe		U69-P1	U69			Reclaimed Water Main	Shot on Pipe
Ude         Image: Control of the standard Water Main         Ditio in Pipe         Ude Main									U69-P2	U69			Reclaimed Water Main	Shot on Pipe
U49          10.0         8.000000000000000000000000000000000000	U49-P1	U49				Reclaimed Water Main	Shot on Pipe		U69-P3	U69			Reclaimed Water Main	Shot on Pipe
U-0         I         Reduned Water Main         Synton Pres           U-0         Reduned Water Main         Synton Pres           U-0         Reduned Water Main         Synton Pres           U-1	U49-P2	U49				Reclaimed Water Main			U69-P4	U69			Reclaimed Water Main	· · ·
Upp         Image: Control (Control (Cont) (Contro) (Control (Control (Contro) (Control (Control (Contro)	U49-P3	U49				Reclaimed Water Main							Reclaimed Water Main	
U-0         I         O         Reclamed Weter Main         Stort on Piger           U-1         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I         I	U49-P4					Reclaimed Water Main			U69-P6	U69			Reclaimed Water Main	Bore & Jack (Casing)
US         Image: Control of the section of Water Main         Stort on Pige           US1         Image: Control of the section of Water Main         Stort on Pige           US1         Image: Control of the section of Water Main         Stort on Pige           US1         Image: Control of the section of Water Main         Stort on Pige           US1         Image: Control of the section of Water Main         Stort on Pige           US1         Image: Control of the section of Water Main         Stort on Pige           US1         Image: Control of the section of Water Main         Stort on Pige           US1         Image: Control of the section of Water Main         Stort on Pige           US1         Image: Control of the section of Water Main         Stort on Pige           US3         Image: Control of the section of Water Main         Stort on Pige           US3         Image: Control of the section of Water Main         Stort on Pige           US3         Image: Control of the section of Water Main         Stort on Pige           US3         Image: Control of the section of Water Main         Stort on Pige           US3         Image: Control of the section of Water Main         Stort on Pige           US3         Image: Control of the section of Water Main         Stort on Pige           US3         Image: Control of the s	U49-P5													
US1         Image: Section of Water Main         Shift on Pipe           US1         Image: Section of Water Main         Shift on Pipe           US1         Image: Section of Water Main         Shift on Pipe           US1         Image: Section of Water Main         Shift on Pipe           US1         Image: Section of Water Main         Shift on Pipe           US1         Image: Section of Water Main         Shift on Pipe           US1         Image: Section of Water Main         Shift on Pipe           US1         Image: Section of Water Main         Shift on Pipe           US3         Image: Section of Water Main         Shift on Pipe           US3         Image: Section of Water Main         Shift on Pipe           US3         Image: Section of Water Main         Shift on Pipe           US3         Image: Section of Water Main         Shift on Pipe           US3         Image: Section of Water Main         Shift on Pipe           US3         Image: Section of Water Main         Shift on Pipe           US3         Image: Section of Water Main         Shift on Pipe           US3         Image: Section of Water Main         Shift on Pipe           US3         Image: Section of Water Main         Shift on Pipe           US3         Image: Sectio	U49-P6	U49				Reclaimed Water Main	Shot on Pipe							
US1         Image: Constraint of the section of Water Main         Shot on Pipe           US1         Image: Constraint of Water Main         Shot on Pipe           US1         Image: Constraint of Water Main         Shot on Pipe           US1         Image: Constraint of Water Main         Shot on Pipe           US1         Image: Constraint of Water Main         Shot on Pipe           US1         Image: Constraint of Water Main         Shot on Pipe           US1         Image: Constraint of Water Main         Shot on Pipe           US3         Image: Constraint of Water Main         Shot on Pipe           US3         Image: Constraint of Water Main         Shot on Pipe           US3         Image: Constraint of Water Main         Shot on Pipe           US3         Image: Constraint of Water Main         Shot on Pipe           US3         Image: Constraint of Water Main         Shot on Pipe           US3         Image: Constraint of Water Main         Shot on Pipe           US3         Image: Constraint of Water Main         Shot on Pipe           US3         Image: Constraint of Water Main         Shot on Pipe           US3         Image: Constraint of Water Main         Shot on Pipe           US3         Image: Constraint of Water Main         Shot on Pipe <t< td=""><td></td><td>1154</td><td></td><td></td><td></td><td></td><td>Shot on Dino</td><td></td><td></td><td></td><td></td><td></td><td></td><td><u> </u></td></t<>		1154					Shot on Dino							<u> </u>
US1         Image: Control of the section of Water Main         Shot on Pipe           US1         Image: Control of the section of Water Main         Shot on Pipe           US1         Image: Control of the section of Water Main         Shot on Pipe           US1         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US5         Image: Control of the section of Wate	U51-P1													
US1         Image: Constrained Water Main         Shot on Pipe           US1         Image: Constrained Water Main         Shot on Pipe           US1         Image: Constrained Water Main         Shot on Pipe           US3         Image: Constrained Water Main         Shot on Pipe           US5         Image: Constr	U51-P2													· ·
US1         Image: Control of the section of Water Main         Shot on Pipe           US1         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US5         Image: Control of the section of Water Main         Shot on Pipe           US5         Image: Control of the section of Water Main         Shot on Pipe           US5         Image: Control of the section of Water Main         Shot on Pipe           US5         Image: Control of the section of Wate	U51-P3													
US1         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US3         Image: Control of the section of Water Main         Shot on Pipe           US5         Image: Control of the section of Water Main         Shot on Pipe           US5         Image: Control Water Main         Shot on Pipe <td< td=""><td>U51-P4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>071-P6</td><td>0/1</td><td></td><td></td><td>Reclaimed Water Main</td><td>Shot on Fipe</td></td<>	U51-P4								071-P6	0/1			Reclaimed Water Main	Shot on Fipe
US       US       US       US       Reclaimed Water Main       Shot on Pipe         US3       Reclaimed Water Main       Shot on Pipe       Shot on Pipe       Reclaimed Water Main       Shot on Pipe         US3       Reclaimed Water Main       Shot on Pipe       Reclaimed Water Main       Shot on Pipe         US3       Reclaimed Water Main       Shot on Pipe       Reclaimed Water Main       Shot on Pipe         US3       Reclaimed Water Main       Shot on Pipe       Reclaimed Water Main       Shot on Pipe         US3       Reclaimed Water Main       Shot on Pipe       Reclaimed Water Main       Shot on Pipe         US3       Reclaimed Water Main       Shot on Pipe       Reclaimed Water Main       Shot on Pipe         US3       Reclaimed Water Main       Shot on Pipe       Reclaimed Water Main       Shot on Pipe         US5       Reclaimed Water Main       Shot on Pipe       Shot on Pipe       Shot on Pipe         U55       Reclaimed Water Main       Shot on Pipe       Shot on Pipe       Shot on Pipe         U55       Reclaimed Water Main       Shot on Pipe       U75-9       U75       Reclaimed Water Main       Shot on Pipe         U55       Reclaimed Water Main       Shot on Pipe       Shot on Pipe       U75-9       U75       <	U51-P5 U51-P6								LI72 D1	1172			Poclaimed Water Main	Shot on Pine
US3       Image: Control of the section of Water Main       Shot on Pipe         US3       Image: Control of the section of Water Main       Shot on Pipe         US3       Image: Control of the section of Water Main       Shot on Pipe         US3       Image: Control of the section of Water Main       Shot on Pipe         US3       Image: Control of the section of Water Main       Shot on Pipe         US3       Image: Control of the section of Water Main       Shot on Pipe         US3       Image: Control of the section of Water Main       Shot on Pipe         US3       Image: Control of the section of Water Main       Shot on Pipe         US5       Image: Control of the section of Water Main       Shot on Pipe         US5       Image: Control of the section of Water Main       Shot on Pipe         US5       Image: Control of the section of Water Main       Shot on Pipe         US5       Image: Control of the section of Water Main       Shot on Pipe         US5       Image: Control of Pipe       Image: Control of Pipe         US5       Image: Control of Pipe       Image: Control Pipe         US5       Image: Control of Pipe       Image: Control Pipe         US5       Image: Control of Pipe       Image: Control of Pipe         US5       Image: Control of Pipe       Reclaime	031-P0	031				Recidimed Water Main	Shot on tipe							
U33       Image: Construction of the construct	U53-P1	1153				Reclaimed Water Main	Shot on Pipe							
U53       Image: Constrained Water Main       Shot on Pipe         U55       Image: Constrained Water Main       Shot on Pipe         U57       Image: Constrained Water Main       Shot on Pipe         U57 <t< td=""><td>U53-P1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	U53-P1													
U53       Image: Constrained Water Main       Shot on Pipe         U55       Image: Constrained Water Main       Shot on Pipe         U57       Image: Constrained Water Main       Shot on Pipe         U57 <t< td=""><td>U53-P2</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>· ·</td></t<>	U53-P2													· ·
U53       Image: Construct of the second secon	U53-P3													
US2       US2       Reclaimed Water Main       Shot on Pipe         US5       I       Reclaimed Water Main       Shot on Pipe         US7       I       Reclaimed Water Main       Shot on Pipe         US7       I       Reclaimed Water Main       Shot on Pipe	U53-P5													
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	U53-P6						Shot on Pipe		U75-P1	U75			Reclaimed Water Main	Shot on Pipe
Obs       Org       O												1		
USS       Image: Construction of the second se	U55-P1	U55			_	Reclaimed Water Main	Shot on Pipe		U75-P3	U75			Reclaimed Water Main	Bore & Jack (Casing)
USS       Image: Constrained Water Main       Shot on Pipe         USS <t< td=""><td>U55-P2</td><td>U55</td><td></td><td></td><td></td><td>Reclaimed Water Main</td><td>Shot on Pipe</td><td></td><td>U75-P4</td><td>U75</td><td></td><td></td><td>Reclaimed Water Main</td><td>Shot on Pipe</td></t<>	U55-P2	U55				Reclaimed Water Main	Shot on Pipe		U75-P4	U75			Reclaimed Water Main	Shot on Pipe
035       Image: Construction of the second of	U55-P3	U55				Reclaimed Water Main	Shot on Pipe		U75-P5	U75			Reclaimed Water Main	Shot on Pipe
Vist       Note	U55-P4	U55				Reclaimed Water Main	Shot on Pipe		U75-P6	U75			Reclaimed Water Main	Shot on Pipe
No.       N	U55-P5	U55				Reclaimed Water Main	Shot on Pipe							
US7       Image: Construction of the construct	U55-P6	U55				Reclaimed Water Main	Shot on Pipe							
US7       O       Reclaimed Water Main       Shot on Pipe         US7       Image: Construction of the constructi									U77-P1	U77			Reclaimed Water Main	Shot on Pipe
U57       Image: Construction of the sector of	U57-P1	U57				Reclaimed Water Main	Shot on Pipe		U77-P2	U77			Reclaimed Water Main	Shot on Pipe
US7       Original       Original <thoriginal< th="">       Original       Origi</thoriginal<>	U57-P2	U57				Reclaimed Water Main			U77-P3	U77			Reclaimed Water Main	
US7       Image: Construction of the construle of the construle of the construction of	U57-P3	U57				Reclaimed Water Main			U77-P4	U77			Reclaimed Water Main	Bore & Jack (Casing)
U57       Reclaimed Water Main       Shot on Pipe         U57       BY       DATE       Interest in State According by the state of the s	U57-P4	U57				Reclaimed Water Main	· · ·							
BY       Date       Line is 1 inch       ATFUL SIZE       ORANGE COUNTY UTILITIES       Scale accordingly       John Young Parkway reclaimed water main improvements       Design engineer         Image: State accordingly       ATFUL Size       9150 CURRY FORD ROAD       ORLANDO, FLORIDA 32825       Image: State accordingly       John Young Parkway reclaimed water main improvements       Design engineer         Image: State accordingly       Scale as noted       ORLANDO, FLORIDA 32825       Image: State accordingly       Associates, Inc.       Associates, Inc.       Image: State accordingly       Image: State accordin	U57-P5									ļ T				
LINE IS 1 INCH AT FULL SIZE (F NOT SCALE ACCORDINGLY) CKM 10-26-2017 CKM 10-26	U57-P6	U57				Reclaimed Water Main	Shot on Pipe							
AT FULL SIZE (IF NOT SCALE ACCORDINGLY) CKM 10-26-2017 CKM 10-26-20 CKM 10-26-2			BY DATE		E IS 1 INCH	ORANGE ORA			tal Consultants		JOHN YOUNG PARKWAY	RECLAIMED WATER MA	IN IMPROVMENTS	
				AT	FULL SIZE	91		RD ROAD Barnes, Ferland and As	ociates, Inc.					CYNTHIA K. MALONE, P.E.
			+	(IF NUT SCA	LE AUCURDINGLY)			IDA 32825	do, FL, 32803 Nr. (111)066-1882	ASBUII	LT COORDINA	E ATTRIBUT	E ASSET TABLES	FLORIDA REGISTRATION No
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hursday, October 26, 2017 F:CIVIL\PROJECTS\2012\2012-39 OCU John Young Parkway Reclaimed Water Improvements\5.0 Drawings\2012-39 OCU JYP RWM CA-03.dwg

## FITTINGS WORKSHEET

ID Number Plan Sheet # Easting	Northing	Elevation	Main Type	Fitting Type Comments	ID Number	Plan Sheet #	Easting	Northing	Elevation Main Type	Fitting Type	Comments	ID Number	Plan Sheet #	Easting	Northing	Elevation	Main Type	Fitting Type	Comments
U1-F1 U1			Reclaimed Water Main	Reducer	U27-F1	U27			Reclaimed Water Main	Bend 45°		U53-F1	U53				eclaimed Water Main	Bend 45°	
U1-F2 U1 U1-F3 U1			Reclaimed Water Main Reclaimed Water Main	Bend 45° Bend 45°	U27-F2	U27			Reclaimed Water Main	Bend 45°		U53-F2	U53			K	eclaimed Water Main	Bend 45°	
U1-TV1 U1			Reclaimed Water Main	Tapping Sleeve	U29-F1	U29			Reclaimed Water Main	Bend 11 1/4°		U55-F1	U55			R	eclaimed Water Main	Bend 11 1/4°	
					U29-F2	U29			Reclaimed Water Main	Bend 11 1/4°		U55-F2	U55				eclaimed Water Main	Bend 11 1/4°	
U3-F1 U3			Reclaimed Water Main	Bend 45°	U29-F3	U29			Reclaimed Water Main	Bend 11 1/4°		U55-F3	U55			R	eclaimed Water Main	Bend 11 1/4°	
U3-F2 U3			Reclaimed Water Main	Bend 45°	U29-F4	U29			Reclaimed Water Main	Bend 11 1/4°		U55-F4	U55			R	eclaimed Water Main	Bend 11 1/4°	
U3-F3 U3			Reclaimed Water Main	Bend 45°								U55-F5	U55			R	eclaimed Water Main	Сар	
U3-F4 U3			Reclaimed Water Main	Bend 45°	U31-F1	U31			Reclaimed Water Main	Bend 45°									
					U31-F2	U31			Reclaimed Water Main	Bend 45°		U57-F1	U57			R	eclaimed Water Main	Tee	
U7-F1 U7			Reclaimed Water Main	Bend 45°	U31-F3	U31			Reclaimed Water Main	Tee		U57-F2	U57				eclaimed Water Main	Reducer	
U7-F2 U7			Reclaimed Water Main	Bend 45°	U31-F4	U31			Reclaimed Water Main	Bend 90°		U57-F3	U57					0I/HPDE Adapter	
					U31-F5	U31			Reclaimed Water Main	Bend 90°		U57-F4	U57				eclaimed Water Main	Bend 90°	
U9-F1 U9			Reclaimed Water Main	Bend 45°	U31-F6	U31			Reclaimed Water Main	Thrust Collar		U57-F5	U57				eclaimed Water Main	Bend 45°	
U9-F2 U9			Reclaimed Water Main	Bend 45°	U31-F7	U31			Reclaimed Water Main	Сар		U57-F6	U57				eclaimed Water Main	Bend 45°	
U11-F1 U11			Declaimed Mater Main	Dead 45%	1122.54				De de la constante de la constante de	<b>T</b>		U57-F7	U57				eclaimed Water Main	Bend 45°	
U11-F1 U11 U11-F2 U11	_		Reclaimed Water Main Reclaimed Water Main	Bend 45° Bend 45°	U33-F1 U33-F2	U33 U33			Reclaimed Water Main Reclaimed Water Main	Tee Reducer		U57-F8	U57					0I/HPDE Adapter	
U11-F3 U11			Reclaimed Water Main	Bend 11 1/4°	U33-F3	U33			Reclaimed Water Main	Bend 90°		U57-F9 U57-F10	U57 U57				eclaimed Water Main	Reducer	
U11-F4 U11			Reclaimed Water Main	Bend 11 1/4°	U33-F4	U33			Reclaimed Water Main	Bend 90°		U57-F10	U57				eclaimed Water Main eclaimed Water Main	Bend 45° Bend 45°	
011-14 011			Reclaimed water Main		U33-F5	U33			Reclaimed Water Main	Bend 45°		057-F11	057			ĸ	eciaimed water Main	Bend 45	
U13-F1 U13			Reclaimed Water Main	Bend 45°	U33-F6	U33		<u> </u>	Reclaimed Water Main	Bend 45°		U59-F1	U59			R	eclaimed Water Main	Bend 45°	
U13-F2 U13		1	Reclaimed Water Main	Bend 45°	U33-F7	U33			Reclaimed Water Main	Cap		U59-F2	U59				eclaimed Water Main	Bend 45°	
U13-F3 U13			Reclaimed Water Main	Bend 45°								U59-F3	U59		-		eclaimed Water Main	Bend 45°	
U13-F4 U13			Reclaimed Water Main	Bend 45°	U35-F1	U35			Reclaimed Water Main	Bend 45°		U59-F4	U59				eclaimed Water Main	Bend 45°	
U13-F5 U13			Reclaimed Water Main	Bend 45°	U35-F2	U35			Reclaimed Water Main	Bend 45°		U59-F5	U59				eclaimed Water Main	Reducer	
U13-F6 U13			Reclaimed Water Main	Bend 45°	U35-F3	U35			Reclaimed Water Main	Bend 45°		U59-F6	U59			R	eclaimed Water Main	I/HPDE Adapter	
U13-F7 U13			Reclaimed Water Main	Bend 45°	U35-F4	U35			Reclaimed Water Main	Bend 45°									
U13-F8 U13			Reclaimed Water Main	Bend 45°	U35-F5	U35			Reclaimed Water Main	Bend 90°		U63-F1	U63			R	eclaimed Water Main	I/HPDE Adapter	
					U35-F6	U35			Reclaimed Water Main	Bend 45°		U63-F2	U63			R	eclaimed Water Main	Reducer	
U15-F1 U15			Reclaimed Water Main	Bend 45°	U35-F7	U35			Reclaimed Water Main	Сар									
U15-F2 U15			Reclaimed Water Main	Bend 45°								U65-F1	U65			R	eclaimed Water Main	Reducer	
U15-F3 U15			Reclaimed Water Main	Bend 45°	U37-F1	U35			Reclaimed Water Main	Tee		U65-F2	U65			R	eclaimed Water Main	0I/HPDE Adapter	
U15-F4 U15			Reclaimed Water Main	Bend 45°	U37-F2	U35			Reclaimed Water Main	Bend 90°									
U15-F5 U15			Reclaimed Water Main	Bend 45°	U37-F3	U35			Reclaimed Water Main	Bend 90°		U67-F1	U67			R	eclaimed Water Main	N/HPDE Adapter	
U15-F6 U15			Reclaimed Water Main	Bend 45°	U37-F4	U35			Reclaimed Water Main	Bend 45°		U67-F2	U67			R	eclaimed Water Main	Reducer	
					U37-F5	U35			Reclaimed Water Main	Bend 45°		U67-F3	U67			R	eclaimed Water Main	Bend 45°	
U17-F1 U17			Reclaimed Water Main	Bend 45°	U37-F6	U35			Reclaimed Water Main	Bend 45°		U67-F4	U67			R	eclaimed Water Main	Bend 45°	
U17-F2 U17			Reclaimed Water Main	Bend 45°	U37-F7	U35			Reclaimed Water Main	Bend 45°		U67-F5	U67				eclaimed Water Main	Bend 45°	
U17-F3 U17			Reclaimed Water Main	Bend 90°	1120.54				Be defee different to the	Bend 11 1/4°		U67-F6	U67				eclaimed Water Main	Bend 45°	
U17-F4 U17 U17-F5 U17			Reclaimed Water Main Reclaimed Water Main	Bend 90° Bend 45°	U39-F1	U39			Reclaimed Water Main Reclaimed Water Main	DI/HPDE Adapter		U67-F7	U67				eclaimed Water Main	Bend 11 1/4°	
U17-F6 U17			Reclaimed Water Main	Bend 45 Bend 45°	U39-F2	U39		++	Reclaimed water Main	Diffir DE Adaptei		U69-F1	U69				eclaimed Water Main	Bend 11 1/4°	
01/10 01/			Reclaimed Water Water	Benu 45	U43-F1	U43			Reclaimed Water Main	DI/HPDE Adapter		U69-F2	U69				eclaimed Water Main	Bend 11 1/4°	
U21-F1 U21			Reclaimed Water Main	Reducer	U43-F1	U43			Reclaimed Water Main	Reducer		U69-F3	U69			K	eclaimed Water Main	Bend 11 1/4°	
U21-F2 U21			Reclaimed Water Main	DI/HPDE Adapter	04312	045		<u> </u>	Reclamed water Main	neudeer		U71-F1	U71			P	eclaimed Water Main	Reducer	
					U45-F1	U45			Reclaimed Water Main	Bend 45°		U71-F2	U71					N/HPDE Adapter	
U23-F1 U21			Reclaimed Water Main	DI/HPDE Adapter	U45-F2	U45			Reclaimed Water Main	Bend 45°		071-F2	0/1					in beriaupter	
U23-F2 U21			Reclaimed Water Main	Reducer	U45-F3	U45			Reclaimed Water Main	Tee		U73-F1	U73			R	eclaimed Water Main	IPDE/DI Adapter	
U23-F3 U21			Reclaimed Water Main	Bend 22-1/2°	U45-F4	U45			Reclaimed Water Main	Bend 90°		U73-F2	U73				eclaimed Water Main	Reducer	
U23-F4 U21			Reclaimed Water Main	Bend 22-1/2°	U45-F5	U45			Reclaimed Water Main	Bend 90°		U73-F3	U73				eclaimed Water Main	Bend 90°	
U23-F5 U21			Reclaimed Water Main	Bend 22-1/2°	U45-F6	U45			Reclaimed Water Main	Bend 45°		U73-F4	U73				eclaimed Water Main	Bend 90°	
U23-F6 U21			Reclaimed Water Main	Bend 22-1/2°	U45-F7	U45			Reclaimed Water Main	Bend 45°		U73-F5	U73				eclaimed Water Main	Bend 45°	
					U45-F8	U45		$\downarrow$ $\downarrow$	Reclaimed Water Main	Сар									
U25-F1 U25			Reclaimed Water Main	Bend 45°				ļ				U75-F1	U75			R	eclaimed Water Main	Bend 11 1/4°	
U25-F2 U25	_		Reclaimed Water Main	Bend 45°	U47-F1	U47			Reclaimed Water Main	Bend 22-1/2°		U75-F2	U75			R	eclaimed Water Main	Bend 11 1/4°	
U25-F3 U25			Reclaimed Water Main	Bend 45°	U47-F2	U47		<b>↓</b>	Reclaimed Water Main	Bend 22-1/2°		U75-F3	U75			R	eclaimed Water Main	Bend 11 1/4°	
U25-F4 U25			Reclaimed Water Main	Bend 45°	U47-F3	U47			Reclaimed Water Main	Bend 22-1/2°		U75-F4	U75			R	eclaimed Water Main	Bend 11 1/4°	
U25-F5 U25		-	Reclaimed Water Main	Plug MJ Restr	U47-F4	U47			Reclaimed Water Main	Bend 22-1/2°		U75-F5	U75			R	eclaimed Water Main	Bend 11 1/4°	
U25-F6 U25			Reclaimed Water Main	Tee								U75-F6	U75				eclaimed Water Main	Bend 22-1/2°	
U25-F7 U25		+	Reclaimed Water Main	Bend 90°	U49-F1	U49		_ ↓	Reclaimed Water Main	Bend 45°		U75-F7	U75		ļ		eclaimed Water Main	Bend 11 1/4°	
U25-F8 U25	_		Reclaimed Water Main	Bend 45°	U49-F2	U49		───┼	Reclaimed Water Main	Bend 45°		U75-F8	U75				eclaimed Water Main	Bend 22-1/2°	
U25-F9 U25			Reclaimed Water Main	Bend 90°	U49-F3	U49		<u>↓                                     </u>	Reclaimed Water Main	Reducer DI/HPDE Adapter		U75-F9	U75			R	eclaimed Water Main	Bend 11 1/4°	
U25-F10 U25			Reclaimed Water Main	Thrust Collar	U49-F4	U49			Reclaimed Water Main	DI/HPDE Adapter									
	_			<u> </u>				++		DI/HPDE Adapter		U77-F1	U77				eclaimed Water Main	Bend 11 1/4°	
		+		<u>                                      </u>	U51-F1	U51		++	Reclaimed Water Main			U77-F2	U77				eclaimed Water Main	Bend 90°	
			+		U51-F2	U51 U51		+ +	Reclaimed Water Main	Reducer Repd 45°		U77-F3	U77				eclaimed Water Main	Bend 45°	
					U51-F3 U51-F4	U51 U51		++	Reclaimed Water Main Reclaimed Water Main	Bend 45° Bend 45°		U77-F4	U77				eclaimed Water Main	Reducer	
					U51-F4	U51 U51		+ +	Reclaimed Water Main	Bend 45° Bend 45°		U77-F5	U77		├		eclaimed Water Main	Bend 90°	
		1		<u>                                      </u>	U51-F6	U51		+ +	Reclaimed Water Main	Bend 45 Bend 45°		U77-F6	U77		├	R	eclaimed Water Main	Bend 45°	
			,				1			52.03 75					<u> </u>	I			
	VISIONS		BY	DATE	ABINT						<u> </u>	JOHN YOUNG PARKW				Ŧ	DESIGN ENGINEED	PROJECT No	· 2012-39
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				AT FULL SIZE	ORANE COUNTY SOVERNMENT			ORD ROA			Inc						GINTHIA N. MALUNE, P.E.	DESIGNED BY:	CKM
				(IF NOT SCALE ACCORDINGLY)	COUNTY			ORIDA 328	1230 E. Hillcrest St 25 PH: (Wg) and and	wet, Orlando, FL, Š rvic etnjeno-	ASBUIL	T COORDIN	ATE AT	RIBUTE	ASSET TA	ABLES	FLORIDA REGISTRATION No	DRAWN BY:	JAB GJH
T			СКМ	10-26-2017 . SCALE: AS NOTED .	GOVERNMENT FLORIDA	URLAN	DO, FLC	JRIDA 328	ENGINEERING	BUSINESS No. 6	AGE						58685	D. CHECKED BY: DRAWING FILE:	
				Drawings\2012-39 OCU JYP RWM CA-04.dwg												<u>Å</u>		-	

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JOHN YOUNG PARKWAY RECLAIMED WATER MAIN IMPROVMENTS	DESIGN ENGINEER	PROJECT No.: 2012-39	DRAWING No.
ASBUILT COORDINATE ATTRIBUTE ASSET TABLES	CYNTHIA K. MALONE, P.E.	PROJECT DATE: OCT 2017	<b>.</b>
	,	DESIGNED BY: CKM	CA-4
		DRAWN BY: JAB	0/14
	FLORIDA REGISTRATION No.	CHECKED BY: GJH	SHEET
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OCTOBER 2017 - BID SET			