

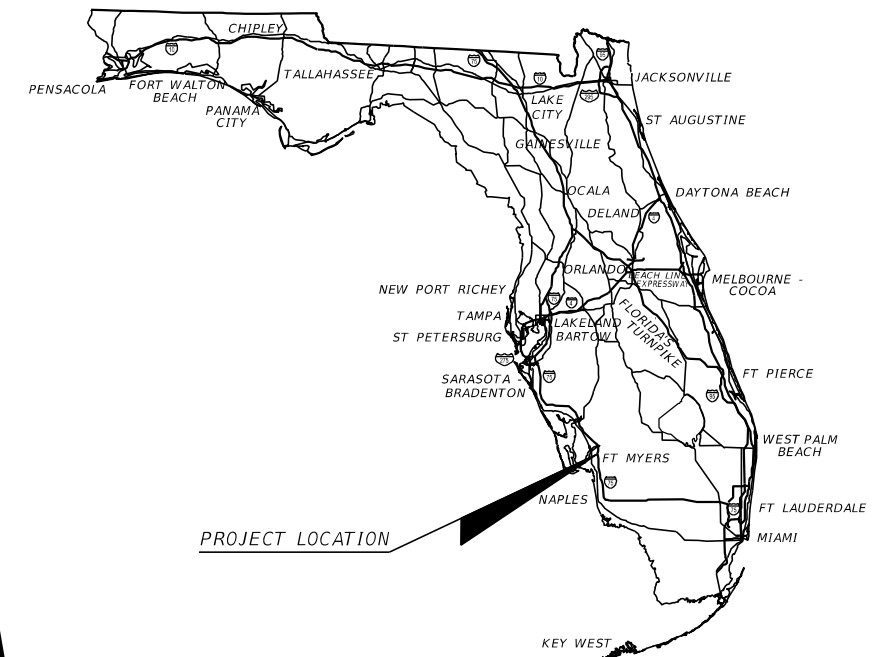
CITY OF FORT MYERS

ORTIZ AVENUE WIDENING

FROM SR 884 TO SR 82

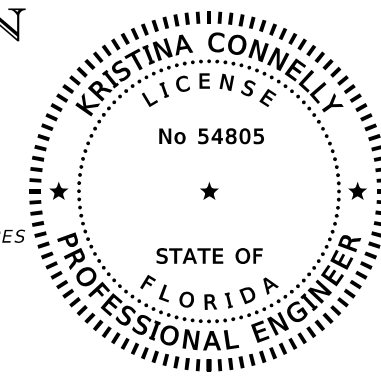
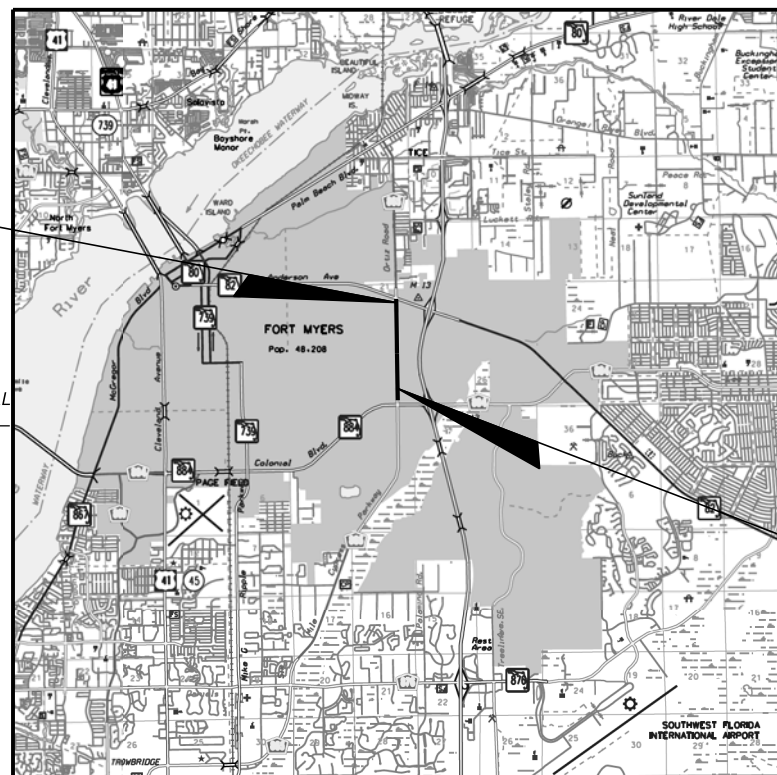
LEE COUNTY  
COUNTY ROAD NO. 865

UTILITY PLANS



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PROJECT LOCATION

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

KRISTINA CONNELLY  
P.E. LICENSE NUMBER 54805  
STANTEC  
1821 VICTORIA AVENUE  
FORT MYERS, FL 33901

T-44-S  
T-45-S

BEGIN UTILITY CONST.  
STA. 18+90

END UTILITY CONST.  
STA. 100+15

UTILITY PLANS  
ENGINEER OF RECORD:



Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connelly, P.E. #54805

CITY OF FT. MYERS  
PROJECT MANAGER:

JASON SCIANDRA

CITY OF FORT MYERS

MAYOR  
Kevin B. Anderson

CITY COUNCIL:  
Ward 1: Teresa Watkins Brown  
Ward 2: Johnny W. Streets, Jr.  
Ward 3: Terolyn Watson  
Ward 4: Liston Bochette III  
Ward 5: Fred Burson  
Ward 6: Darla Bonk

CITY MANAGER  
Marty K. Lawing

**REVISIONS:**

- 1 ROADWAY SHEETS: U-9 - U-12, U-41 - U-43, U-56, U-63, U-66 & U-83. (REVISED 6-22-2022)
- 2 ROADWAY SHEETS: U-29, U-56, U-83. (REVISED 8-17-2022)
- 3 ROADWAY SHEETS: U-10 THRU U-12, U-52 THRU U-54, U-61, U-62, U-66, U-68, U-69, U-72 THRU U-74. (REVISED 4-3-2023)

SHEET NO.  
**U-1**

SURVEY SYMBOLS LEGEND:

	AIR RELEASE VALVE		FORCE MAIN AIR RELEASE VALVE		SPRINKLER		FOUND CONCRETE MONUMENT
	AUTO VACUUM / AIR PUMP		GAS PIPELINE MARKER		STEEL POST		FOUND DRILL HOLE
	BACKFLOW PREVENTER		GAS VALVE		TELEPHONE BOX OR VAULT		FOUND IRON ROD
	BACTERIAL SAMPLE POINT		GATE KEY PAD		TELEPHONE CANISTER		FOUND IRON ROD & CAP
	BENCH MARK		GATE ARM ACTUATOR BOX		TELEPHONE (BURIED) MARKER POST		FOUND NAIL
	BOLLARD		GROUND LIGHT		TELEPHONE MANHOLE		FOUND NAIL & DISK
	CABLE RISER		GREASE MANHOLE		TELEPHONE RISER		FOUND PARKER KALON NAIL
	CABLE TV BOX		GUARD RAIL		TOE OF SLOPE		FOUND PARKER KALON NAIL & DISK
	CATCH BASIN		GUY POLE		TOP OF BANK		SET CONCRETE MONUMENT
	CENTERLINE		GUY WIRE		TRAFFIC SIGNAL BOX		SET DRILL HOLE
	CLEANOUT		HANDI-CAP PARKING		TRAFFIC SIGNAL POLE		SET 5/8" IRON ROD & CAP "CARDNO LB 7975" U.O.N.
	COORDINATE NUMBER		HOSE BIB		TRAFFIC SIGNAL LIGHT		SET MAG NAIL & DISK "CARDNO LB 7975" U.O.N.
	CONCRETE POWER POLE		IRRIGATION BOX		CONCRETE		
	CONCRETE POST		IRRIGATION VALVE				
	DRAINAGE MANHOLE		LIGHT POLE		UNKNOWN UTILITY VAULT		
	ELECTRICAL BOX		MAIL BOX		UNKNOWN UTILITY MANHOLE		
	ELECTRIC OUTLET		METAL POWER POLE				
	ELECTRIC MANHOLE		MITERED END		WATER MANHOLE		
	ELECTRIC METER		WELL OR MONITORING WELL		WATER LINE FLAG		
	ELECTRIC TRANSFORMER W/ PAD		WATER METER		WATER VALVE		
			WOOD POST		WOOD SUPPORT POLE		
	ELECTRIC FLAG		YARD DRAIN		CROSS WALK SIGNAL POLE		
	EXISTING ELEVATION		CROSS WALK BUTTON POLE		BUSH		
	FENCE - BARBED WIRE		CABBAGE PALM		OAK TREE		
	FENCE - CHAIN LINK / U.O.N.		PALM TREE		PINE TREE		
	FENCE - WOOD / U.O.N.		SHADE TREE (VARIOUS TYPE)				
	FIBER OPTIC MARKER / POST						
	FIBER OPTIC BOX						
	FIRE HYDRANT						
	FIRE VALVE						
	FLAG POLE						

PROFILE ABBREVIATIONS:

LCDOT	=	LEE COUNTY DEPARTMENT OF TRANSPORTATION
CC	=	CROWN CASTLE
ITG	=	INTELLIGENCE TRAFFIC SYSTEM
FPL	=	FLORIDA POWER AND LIGHT
CTL	=	CENTURY LINK
SUMMIT	=	SUMMIT BROADBAND
CFM	=	CITY OF FORT MYERS
LCU	=	LEE COUNTY UTILITIES
COMCAST	=	COMCAST
TECO	=	TECO PEOPLES GAS
LL	=	LEE COUNTY LIGHTING
POS	=	PLACE OUT OF SERVICE
FS	=	FIBER SOLUTIONS
KL	=	KCA LIGHTING

EXISTING UTILITIES LEGEND:

	G(B)- - - - EXISTING GAS MAIN
	G(D)- - - - EXISTING GAS MAIN
	S(D)- - - - EXISTING SANITARY
	S(A)- - - - EXISTING SANITARY
	W(A)- - - - EXISTING WATER MAIN
	W(B)- - - - EXISTING WATER MAIN
	W(D)- - - - EXISTING WATER MAIN
	S(A)- - - - EXISTING SANITARY FORCE MAIN
	S(B)- - - - EXISTING SANITARY FORCE MAIN
	S(D)- - - - EXISTING SANITARY FORCE MAIN
	BE(B)- - - - EXISTING BURIED ELECTRIC
	BE(D)- - - - EXISTING BURIED ELECTRIC
	OE - - - - EXISTING OVERHEAD ELECTRIC
	NPW(A)- - - EXISTING RECLAIMED WATER
	NPW(B)- - - EXISTING RECLAIMED WATER
	NPW(D)- - - EXISTING RECLAIMED WATER
	CAS(D)- - - EXISTING CONDUIT
	BT(B)- - - - EXISTING BURIED TELEPHONE
	BT(D)- - - - EXISTING BURIED TELEPHONE
	OT - - - - EXISTING OVERHEAD TELEPHONE
	BTV(B)- - - EXISTING BURIED CABLE TV
	BTV(D)- - - EXISTING BURIED CABLE TV
	OTV - - - - EXISTING OVERHEAD CABLE TV
	BFOC(B)- - EXISTING BURIED FIBER OPTIC
	BFOC(D)- - EXISTING BURIED FIBER OPTIC
	-----EXISTING SIGNAL CABLE

PROPOSED UTILITIES LEGEND

	GGGGGGGG	PROPOSED GAS MAIN
	BFOC BFOC	PROPOSED BURIED FIBER OPTIC
	OFOC OFOC	PROPOSED OVERHEAD FIBER OPTIC
	--- -- . .	PROPOSED CONDUIT
	----- ● -	PROPOSED LIGHTING CONDUIT
	----- ●● -	PROPOSED LIGHTING CONDUIT
	WWWWWWWW	PROPOSED WATER MAIN
	NPW NPW NPW	PROPOSED NON POTABLE WATER MAIN
	SSSSSSSS	PROPOSED SANITARY FORCE MAIN

SURVEY ABBREVIATIONS:

AC = ACRE	MH = MANHOLE
A.C. = AIR CONDITIONER	MHWL = MEAN HIGH WATER LINE
A.K.A. = ALSO KNOWN AS	MISC. = MISCELLANEOUS
ALUM. = ALUMINUM	MON = MONUMENT
APPR. = APPROXIMATE	NAD = NORTH AMERICAN DATUM
ASPH. = ASPHALT	N.A.V.D. = NORTH AMERICAN VERTICAL DATUM
AVE. = AVENUE	NGS = NATIONAL GEODETIC SURVEY
BLDG. = BUILDING	N.G.V.D. = NATIONAL GEODETIC VERTICAL DATUM (1929)
BLVD. = BOULEVARD	No. = NUMBER
BM = BENCHMARK	N.T.S. = NOT TO SCALE
BOC = BACK OF CURB	N.T.T. = NAIL & TIN TAB
BOW = BACK OF WALK	O/H = OVERHANG
BSM = BUREAU OF SURVEYING AND MAPPING	O.H.W.L. = ORDINARY HIGH WATER LINE
(C) = CALCULATED	O.H.W.M. = ORDINARY HIGH WATER MARK
CATV = CABLE TELEVISION	O.R. = OFFICIAL RECORD BOOK / PAGE
CB = CATCH BASIN	(P) = PLAT
CBS = CONCRETE BLOCK STRUCTURE	PB = PLAT BOOK
C.C.R. = CERTIFIED CORNER RECORD	P.C. = POINT OF CURVATURE
CDB = CHORD BEARING	PCP = PERMANENT CONTROL POINT
CH = CHORD	PG (S) = PAGE(S)
CLF = CHAIN LINK FENCE	P.I. = POINT OF INTERSECTION
CM = CONCRETE MONUMENT	PKN&D = PARKER-KALON NAIL & DISK
CMP = CORRUGATED METAL PIPE	PKWY. = PARKWAY
C.O. = CLEANOUT	PL = PROPERTY LINE
CONC. = CONCRETE	PLS = PROFESSIONAL LAND SURVEYOR
CONT. = CONTROL	P.O.B. = POINT OF BEGINNING
CPP = CORRUGATED PLASTIC PIPE	P.O.C. = POINT OF COMMENCEMENT
COR. = CORNER	P.O.T. = POINT OF TERMINUS
CORP. = CORPORATION	PP = POWER POLE
C.P. = CONTROL POINT	P.R.M. = PERMANENT REFERENCE MONUMENT
C.R. = COUNTY ROAD	PROP. = PROPERTY
CT. = COURT	PSM = PROFESSIONAL SURVEYOR AND MAPPER
C.U.E. = COUNTY UTILITY EASEMENT	PT. = POINT
(D) = DEED	P.T. = POINT OF TANGENCY
D.E. = DRAINAGE EASEMENT	P.U.E. = PUBLIC UTILITY EASEMENT
(DESC.) = DESCRIPTION	PVC = POLY VINYL CHLORIDE
DH = DRILL HOLE	R = RADIUS OR RIGHT
DIA. = DIAMETER	(R) = RECORD
DR. = DRIVE	RCP = REINFORCED CONCRETE PIPE
DWG. = DRAWING	RGE = RANGE
EL. = ELEVATION	RLS = REGISTERED LAND SURVEYOR
ELEC. = ELECTRIC	R.R. = RAILROAD
EOP = EDGE OF PAVEMENT	RT = RIGHT
EOW = EDGE OF WATER	RTA = RIGHT ANGLE
ERCP = ELLIPTICAL REINFORCED CONCRETE PIPE	RTK = REAL TIME KINEMATIC
ESMT. = EASEMENT	R/W = RIGHT-OF-WAY
EXIST. = EXISTING	SEC. = SECTION
(F) = FIELD	S.F. = SQUARE FEET
FDEP = FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION	SWFMD = SOUTH FLORIDA WATER MANAGEMENT DISTRICT
FDOT = FLORIDA DEPARTMENT OF TRANSPORTATION	SHT. = SHEET
FEMA = FEDERAL EMERGENCY MANAGEMENT AGENCY	S.R. = STATE ROAD
F.F. = FINISHED FLOOR	S.S. = SANITARY SEWER
FND = FOUND	STA. = STATION
FPL OR FP&L = FLORIDA POWER & LIGHT	ST. = STREET
F.S. = FLORIDA STATUTES	SWFMD = SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
FT. = FOOT / FEET	T = TANGENT
GLO = GENERAL LAND OFFICE	TEL = TELEPHONE
GPS = GLOBAL POSITIONING SYSTEM	TIIF = TRUSTEES OF THE INTERNAL IMPROVEMENT FUND OF THE STATE OF FLORIDA
I.D. = IDENTIFICATION	TIITF = BOARD OF TRUSTEES OF THE INTERNAL IMPROVEMENT TRUST FUND OF THE STATE OF FLORIDA
I.D.D. = IONA DRAINAGE DISTRICT	TOB = TOP OF BANK
I.N. = INSTRUMENT NUMBER	TOE = TOE OF SLOPE
INC. = INCORPORATED	T.P. = TRAVERSE POINT
INST. = INSTRUMENT	TRANS. = TRANSITION
INV. = INVERT	TWP = TOWNSHIP
I.P. = IRON PIPE	TYP = TYPICAL
IR = IRON ROD (5/8" DIA. U.O.N.)	U.E. = UTILITY EASEMENT
IRC OR IR&C = IRON ROD & CAP	U.O.N. = UNLESS OTHERWISE NOTED
IRR. = IRRIGATION	USGS = UNITED STATES GEOLOGICAL SURVEY
L = LENGTH	VRS = VIRTUAL REFERENCE STATION
LABINS = LAND BOUNDARY INFORMATION SYSTEM (STATE OF FLORIDA)	w/ = WITH
LAT = LATITUDE	Y.D. = YARD DRAIN
LB = LICENSED BUSINESS	Δ = DELTA ANGLE
LN. = LANE	± = MORE OR LESS
LONG = LONGITUDE	# = NUMBER
LS = LICENSED SURVEYOR	** = STAMPING OF CAP OR DISK
LT = LEFT	
(M) = MEASURED	
MAG = MAGNETIC	
ME = MITERED END	

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connelly, P.E. #54805

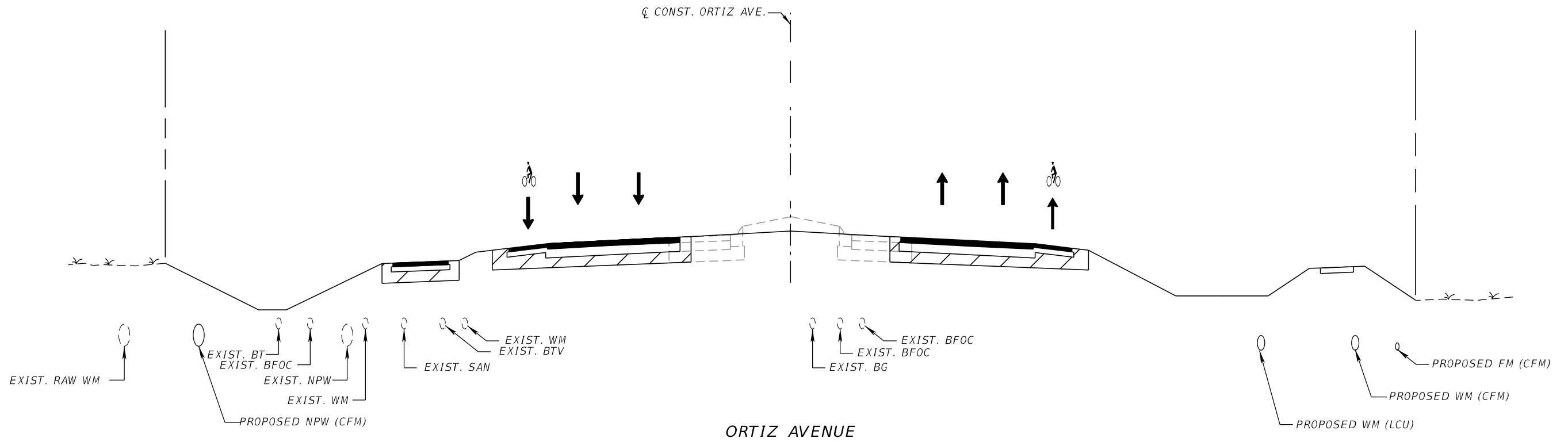
*CITY OF FORT MYERS*  
*PUBLIC WORKS DEPARTMENT*

ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

*LEGEND, SYMBOLS, &*  
*ABBREVIATIONS*

SHEET NO.

U-2



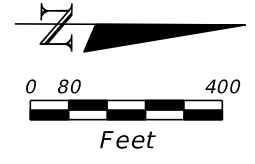
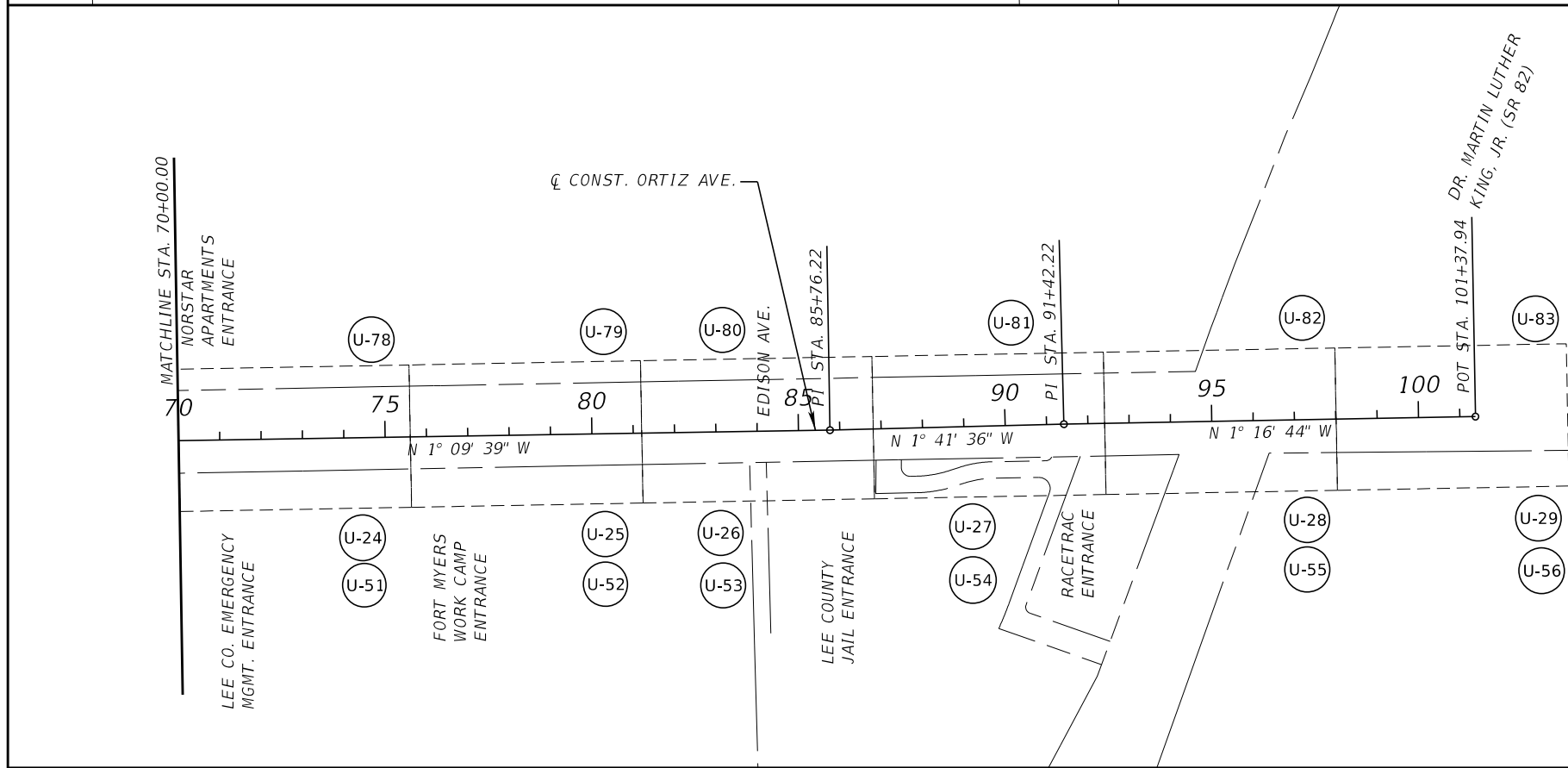
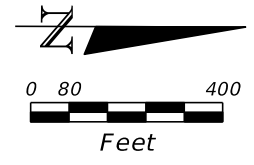
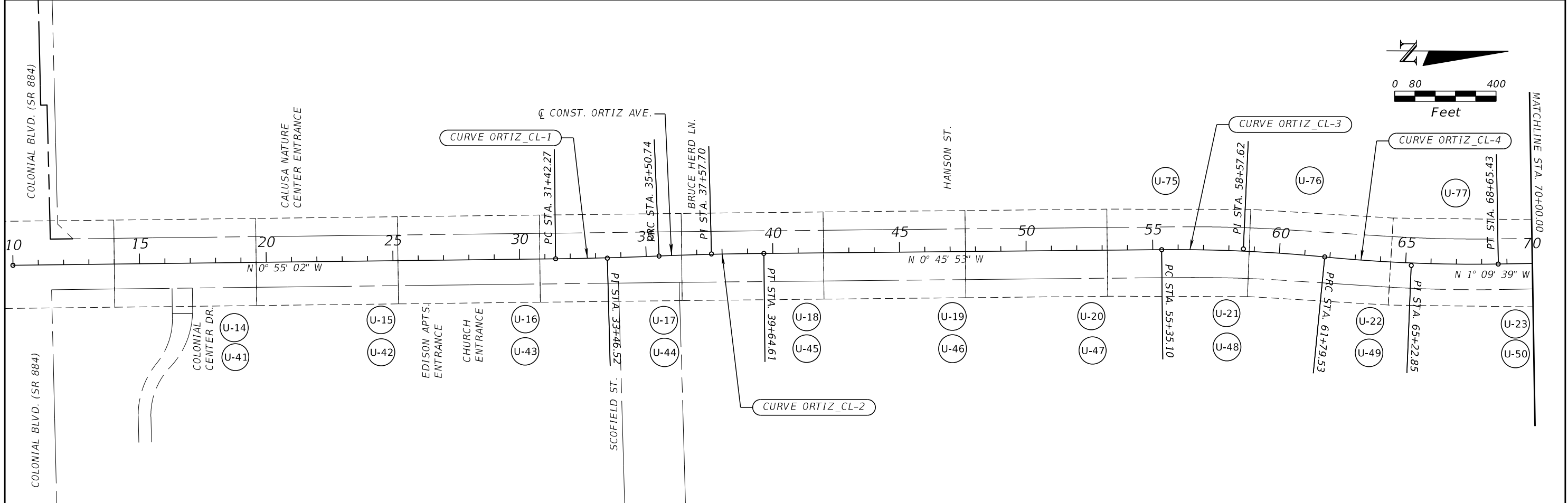
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY TYPICAL SECTION**

SHEET NO.  
U-3



CURVE DATA		
<b>CURVE DATA ORTIZ_CL-1</b> PI STA. = 33+46.52 Δ = 1° 40' 18" (LT) D = 0° 24' 33" T = 204.25' L = 408.48' R = 14,000.00' PC STA. = 31+42.27 PT STA. = 35+50.74 e = NC	<b>CURVE DATA ORTIZ_CL-2</b> PI STA. = 37+57.70 Δ = 1° 49' 27" (RT) D = 0° 26' 27" T = 206.95' L = 413.87' R = 13,000.00' PC STA. = 35+50.74 PT STA. = 39+64.61 e = NC	<b>CURVE DATA ORTIZ_CL-3</b> PI STA. = 58+57.62 Δ = 6° 09' 14" (RT) D = 0° 57' 18" T = 322.53' L = 644.43' R = 6,000.00' PC STA. = 55+35.10 PRC STA. = 61+79.53 e = NC
<b>CURVE DATA ORTIZ_CL-4</b> PI STA. = 65+22.85 Δ = 6° 32' 59" (LT) D = 0° 57' 18" T = 343.32' L = 685.90' R = 6,000.00' PRC STA. = 61+79.53 PT STA. = 68+65.43 e = NC		

\*NOTE: NC = 0.025

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connolly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY  
PROJECT LAYOUT**

SHEET NO.  
**U-4**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

GENERAL NOTES:

1. THE HORIZONTAL CONTROL FOR THIS PROJECT IS BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD83 (2011). ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
2. ALL SURVEY INFORMATION WAS OBTAINED FROM A LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER AND UTILIZED AS SUPPORTING DATA IN THE PRODUCTION OF DESIGN PLANS AND FOR CONSTRUCTION ON SUBJECT PROJECT. THE PROFESSIONAL SURVEYOR AND MAPPER OF RECORD IS:  
SCOTT URQUHART, PSM  
PSM NO.: LS4920  
5670 ZIP DRIVE  
FORT MYERS, FL 33905  
CERTIFICATE OF AUTHORIZATION: LB8336
3. ROADWAY DESIGN BASE PLANS PROVIDED BY:  
KISSINGER CAMP & ASSOCIATES (KCA)  
13461 PARKER COMMONS BLVD., SUITE 104  
FORT MYERS, FL 33912
4. ALL P.R.M.'S IRONS AND MONUMENTS SHOWN ON THE PLANS OR FOUND SHALL BE PRESERVED.
5. ANY PUBLIC LAND CORNERS WITHIN LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF ANY CORNER MONUMENT IS IN DANGER OF BEING DESTROYED OR DISTURBED, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER WITHOUT DELAY.
6. ALL WORK AND MATERIALS, WHICH DO NOT CONFORM TO THE CITY OF FORT MYERS SPECIFICATIONS, ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
7. ANY WORK PERFORMED WITHOUT THE KNOWLEDGE OF THE CITY OF FORT MYERS IS SUBJECT TO RE-EXCAVATION, REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
8. THE CONTRACTOR SHALL PROVIDE SUFFICIENT PERSONNEL AND EQUIPMENT ON THE JOB AT ALL TIMES DURING CONSTRUCTION TO SATISFY THE SPECIFICATIONS AND TO COMPLETE WORK.
9. THE CITY OF FORT MYERS INSPECTION STAFF MAY OBSERVE PROJECT CONSTRUCTION AT ANY TIME.
10. THESE DRAWINGS DO NOT INCLUDE INSTRUCTIONS FOR THE CONTRACTOR REGARDING CONSTRUCTION SAFETY, DURING CONSTRUCTION AND/OR MAINTENANCE OF THIS PROJECT. ALL SAFETY REGULATIONS ARE TO BE ENFORCED BY THE CONTRACTOR. THE CONTRACTOR OR HIS REPRESENTATIVE SHALL BE RESPONSIBLE FOR THE CONTROL AND SAFETY OF THE PUBLIC AND SAFETY OF HIS PERSONNEL.
11. THE CONTRACTOR SHALL RECOGNIZE AND ABIDE BY ALL OSHA EXCAVATION SAFETY STANDARDS, INCLUDING THE FLORIDA TRENCH SAFETY ACT (90-96, LAWS OF FLORIDA). ANY MATERIAL, CONSTRUCTION METHODS, OR MATERIAL COST TO COMPLY WITH THESE LAWS SHALL BE INCIDENTAL TO THE CONTRACT.
12. EROSION AND SILTATION CONTROL MEASURES ARE TO BE PROVIDED AND INSTALLED PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. THESE MEASURES ARE TO BE INSPECTED BY THE CONTRACTOR ON A REGULAR BASIS AND ARE TO BE MAINTAINED OR REPAIRED ON AN IMMEDIATE BASIS, AS REQUIRED. LOCAL AND STATE JURISDICTIONAL AGENCIES REQUIREMENTS SHALL BE REFERRED TO AND IMPLEMENTED DURING ALL CONSTRUCTION. REFERENCE EROSION CONTROL PLANS.
13. AT NO TIME SHALL THE CONTRACTOR DISTURB OR TRAVEL ON SURROUNDING PROPERTIES WITHOUT WRITTEN CONSENT FROM THE PROPERTY OWNER. REPAIR OR RECONSTRUCTION OF DAMAGED AREAS ON SURROUNDING PROPERTIES SHALL BE PERFORMED BY THE CONTRACTOR ON AN IMMEDIATE BASIS. ALL COSTS FOR REPAIRS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WITH NO COMPENSATION FROM THE UTILITY.
14. EXERCISE CARE TO PROTECT THE ROOTS OF TREES TO REMAIN WITHIN THE BRANCH SPREAD OF SUCH TREES. PERFORM ALL TRENCHING BY HAND. OPEN THE TRENCH ONLY WHEN UTILITIES CAN BE INSTALLED IMMEDIATELY. PRUNE INJURED ROOTS CLEANLY AND BACKFILL AS SOON AS POSSIBLE.
15. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT, CURBS, DRIVEWAYS, SIDEWALKS, FENCES, ETC., WITH THE SAME TYPE OF MATERIAL THAT WAS REMOVED DURING CONSTRUCTION OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL RESTORE ALL AREAS AFFECTED BY THE CONSTRUCTION TO ITS ORIGINAL CONSTRUCTION, OR BETTER, AT NO ADDITIONAL COST. SOD QUANTITY INCLUDES ONLY THOSE AREAS INTENDED TO BE DISTURBED BY PROPOSED IMPROVEMENTS. OTHER DISTURBED AREAS NOT INTENDED TO BE DISTURBED, INCLUDING BUT NOT LIMITED TO STAGING AREAS, STOCKPILE AREAS, ETC., SHALL BE SODDED AT NO ADDITIONAL COST.
16. TRAFFIC MUST BE MAINTAINED AT ALL TIMES AS PER CITY OF FORT MYERS AND FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD PLANS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. CONTRACTOR TO MAINTAIN EXISTING TRAFFIC/ACCESS EXISTING DRAINAGE AND EXISTING UTILITIES DURING CONSTRUCTION, UNLESS OTHERWISE APPROVED BY THE CITY OF FORT MYERS.
17. THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ACCESSING THE NATURE AND EXTENT OF CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE BASED.
18. CONTRACTOR SHALL VERIFY ALL QUANTITIES SHOWN ON THE PLANS. IF ANY DISCREPANCIES IN QUANTITIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE CITY OF FORT MYERS IMMEDIATELY.

19. LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS, BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. ANYTHING NOT SHOWN ON THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND SHALL NOT CONSTITUTE AN EXTRA, UNLESS APPROVED BY THE ENGINEER AND CITY.
20. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND TAKE ALL POSSIBLE PRECAUTIONS TO AVOID ANY DAMAGE TO ALL UNDERGROUND PIPELINES, TELEPHONE, CABLE TV, ELECTRIC LINES/CONDUITS AND STRUCTURES IN ADVANCE OF ANY CONSTRUCTION. THE CITY OF FORT MYERS WILL NOT GUARANTEE ANY LOCATIONS AS SHOWN ON THESE PLANS OR THOSE OMITTED FROM THESE PLANS. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY OCCUR BY HIS/HER FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES AFFECTING HIS/HER WORK.
21. IF THE CONTRACTOR CHOOSES TO IMPLEMENT APPURTENANCES OR TECHNIQUES SUCH AS TRENCH BOXES, SHEET PILING, DEWATERING, FLATTEN TRENCH SLOPES, ETC. TO FACILITATE CONSTRUCTION, THESE ITEMS SHALL BE INCORPORATED INTO THE COST OF THE RELATED AVAILABLE PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE MADE BY THE OWNER.
22. THE CONTRACTOR SHALL BE AWARE OF THE POSSIBLE PRESENCE OF ROCK WITHIN THE PROJECTS LIMITS THAT MAY BE ENCOUNTERED WHILE PERFORMING EXCAVATIONS AND UNDERGROUND INSTALLATIONS. GEOTECHNICAL REPORTS WITH BORINGS ARE INCLUDED IN THE CONTRACT DOCUMENTS FOR INFORMATIONAL PURPOSES ONLY, AS THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR FINAL SUBSURFACE DETERMINATION. THE CONTRACTOR SHALL CONSIDER THE INCREASE IN COST FOR ALL UNDERGROUND WORK ACTIVITIES AND INCLUDE SUCH COSTS IN HIS BID. ALL COSTS ASSOCIATED WITH ENCOUNTERED ROCK OR ROCK-LIKE MATERIAL SHALL BE INCLUDED IN THE APPROPRIATE ITEMS OF WORK CONTAINED WITHIN THE CONTRACT. NO ADDITIONAL COMPENSATION WILL BE MADE.
23. CONTRACTOR TO NOTIFY CITY OF FORT MYERS IMMEDIATELY IF UNSUITABLE SUBSOIL CONDITIONS ARE ENCOUNTERED.
24. CONTRACTOR SHALL NOT BRING ANY HAZARDOUS MATERIALS ONTO THE PROJECT. SHOULD THE CONTRACTOR REQUIRE SUCH FOR PERFORMING THE CONTRACTED WORK, THE CONTRACTOR SHALL REQUEST, IN WRITING, WRITTEN PERMISSION FROM THE CITY PROJECT MANAGER. THE CONTRACTOR SHALL PROVIDE THE CITY PROJECT MANAGER WITH A COPY OF THE MATERIAL SAFETY DATA SHEET (MSDS) FOR EACH HAZARDOUS MATERIAL PROPOSED FOR USE. BECAUSE STATE LAW DOES NOT TREAT PETROLEUM PRODUCTS AS A HAZARDOUS MATERIAL, SUCH PRODUCTS DO NOT NEED AN MSDS SUBMITTAL. ANY KNOWN OR SUSPECTED HAZARDOUS MATERIAL FOUND ON THE PROJECT BY THE CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE CITY PROJECT MANAGER, WHO SHALL DIRECT THE CONTRACTOR TO PROTECT THE AREA OF KNOW OR SUSPECTED CONTAMINATION FROM FURTHER ACCESS. THE CITY PROJECT MANAGER WILL ARRANGE FOR INVESTIGATION, IDENTIFICATION, AND REMEDIATION OF THE HAZARDOUS MATERIAL. THE CONTRACTOR SHALL NOT RETURN TO THE AREA OF CONTAMINATION UNTIL APPROVAL IS PROVIDED BY THE CITY PROJECT MANAGER.

UTILITY NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL UTILITIES AND PROVIDE AT LEAST 48 HOURS NOTICE TO THE INDIVIDUAL UTILITY COMPANIES, THE CITY OF FORT MYERS, AND THE ENGINEER PRIOR TO CONSTRUCTION.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION TO UTILITIES WITH THE OWNER OF THE UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THE PLANS, LOCATED BY THE UTILITY COMPANY, OR FOUND IN THE FIELD. ANY DELAY OR INCONVENIENCE CAUSED TO THE CONTRACTOR BY THE RELOCATION OF VARIOUS UTILITIES SHALL BE INCIDENTAL, WITH NO COMPENSATION FROM THE UTILITY.
3. THE CONTRACTOR SHALL CONTACT THE ENGINEER AND THE CITY OF FORT MYERS IMMEDIATELY CONCERNING ANY CONFLICTS WITH CITY OF FORT MYERS UTILITIES/STRUCTURES ARISING DURING CONSTRUCTION OF ANY FACILITIES SHOWN ON THESE DRAWINGS.
4. THE CONTRACTOR IS TO UNCOVER ALL EXISTING LINES BEING TIED INTO AND VERIFY GRADES BEFORE BEGINNING CONSTRUCTION.
5. MINIMUM COVER OVER ALL WATER MAIN, FORCE MAIN, AND REUSE MAIN, PIPE SHALL BE 36" FROM THE TOP OF THE PIPE TO THE FINISHED GRADE. SEE PLAN AND PROFILE SHEETS FOR REQUIRED DEPTHS.
6. ALL FRAMES, COVERS VALVE BOXES, METER BOXES AND MANHOLES SHALL BE ADJUSTED TO FINISHED GRADE UPON COMPLETION OF PAVING OR RELATED CONSTRUCTION. ALL VALVE PADS SHALL BE POURED IN PLACE. NO PRE-FORMED VALVE PADS ALLOWED.
7. IN THE EVENT THAT HARD LIMESTONE FORMATION IS ENCOUNTERED, MAKING IT IMPOSSIBLE TO EXCAVATE TO THE DEPTH REQUIRED UNDER THIS CONTRACT, THE CONTRACTOR MAY BE ALLOWED TO REDUCE THE PIPE COVER TO NOT LESS THAN TWO (2) FEET WHILE MAINTAINING THE CITY'S REQUIRED THICKNESS OF BEDDING UNDER THE PIPE. SUCH DEVIATION FROM THE PLANS MUST FIRST BE APPROVED BY THE CITY OF FORT MYERS AND ENGINEER PRIOR TO THE PIPE LAYING. IF TWO FEET OR MORE OF COVER CANNOT BE ATTAINED, THE CONTRACTOR SHALL PROVIDE OTHER METHODS OF CONSTRUCTION OR PIPE PROTECTION WHICH SHALL FIRST BE APPROVED BY THE CITY OF FORT MYERS AND THE ENGINEER, AT NO ADDITIONAL COST TO THE CITY. THE CONTRACTOR SHALL NOT INSTALL UTILITY PIPE UNDER CAPROCK.
8. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE APPROVED PLANS AND PERMITS AT THE CONSTRUCTION SITE AT ALL TIMES. THE CONTRACTOR IS RESPONSIBLE TO READ AND UNDERSTAND ALL PERMITS, INCLUDING ALL GENERAL AND SPECIAL CONDITIONS. AT THE OWNER'S OR ENGINEER'S REQUEST, THE CONTRACTOR SHALL PROVIDE REASONABLE ASSURANCE OR APPROPRIATE DOCUMENTATION THAT ALL CONSTRUCTION RELATED CONDITIONS ARE ADHERED TO.

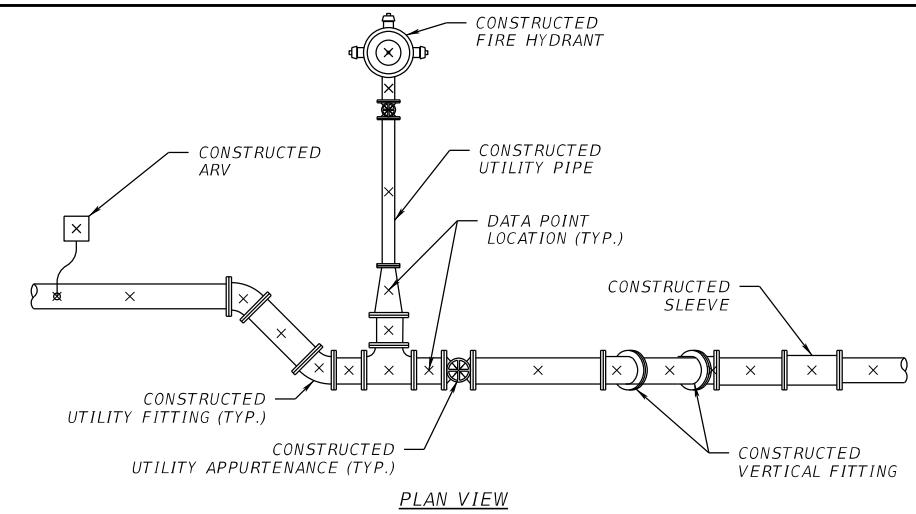
9. ALL CONNECTIONS TO EXISTING MAINS SHALL BE MADE AS AUTHORIZED BY THE CITY OF FORT MYERS. A REPRESENTATIVE OF THE CITY OF FORT MYERS MUST BE PRESENT AT ALL TIE-INS AND WET TAPS.
10. IN THE EVENT THE PROPOSED MAIN IS TO BE CONNECTED TO A MAIN WHICH HAS ONE OR MORE ACTIVE SERVICES BETWEEN THE POINT OF CONNECTION AND THE FIRST EXISTING LINE VALVE, A TEMPORARY PLUG OR CAP SHALL BE INSTALLED ON THE NEW MAIN UNTIL THE PRESSURE TESTS AND DISINFECTING ARE COMPLETE. UPON SATISFACTORY COMPLETION, THE CAP OR PLUG SHALL BE REMOVED FROM BOTH MAINS AND THE CONNECTION MADE WITH PIPE, WHICH HAS BEEN SWABBED OUT WITH A MINIMUM OF 5-PPM CHLORINE SOLUTION. THE CONNECTION SHALL BE MADE AS SWIFTLY AS POSSIBLE AND ANY WATER IN THE DITCH SHALL BE KEPT BELOW THE LEVEL OF THE PIPE.
11. ALL CONSTRUCTION WORK PERFORMED MUST BE DONE BY A CONTRACTOR LICENSED IN THE STATE OF FLORIDA TO DO THE WORK INTENDED.
12. CFM INSPECTION STAFF IS TO BE PRESENT FOR ALL HOT TAPS, PRESSURE TESTS, AND FOR ANY NECESSARY INSPECTION. THE CONTRACTOR IS TO PROVIDE A MINIMUM OF TWO (2) WORKING DAYS NOTICE PRIOR TO SCHEDULING ANY OF THE ABOVE.
13. CONSTRUCTION STAKING IS TO CONTRACTOR'S RESPONSIBILITY. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THESE SERVICES DURING CONSTRUCTION.
14. ANYTHING NOT SHOWN ON THESE DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND SHALL NOT CONSTITUTE AN EXTRA, UNLESS APPROVED BY THE ENGINEER OF RECORD. DISCREPANCIES IN FIELD CONDITIONS, PLAN CONDITIONS, OR CODES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
15. ALL AREAS TO BE GRADED AND SODDED MUST DRAIN WITHOUT ANY NOTICEABLE PONDING. THE CONTRACTOR WILL BE REQUIRED TO REGRADE AND RESOD ANY AREAS WHICH DO NOT COMPLY WITH POSITIVE DRAINAGE WITHOUT PONDING.
16. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE ROADWAY CONTRACTOR IN REGARD TO DEVELOPING AND MAINTAINING AN EFFECTIVE STORM WATER POLLUTION PREVENTION PLAN.
17. ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL MANUAL.
18. IN THE EVENT ANY EXISTING CUSTOMERS WILL BE WITHOUT WATER WHILE A CONNECTION IS BEING MADE, THE CONTRACTOR SHALL NOTIFY THEM 72 HOURS IN ADVANCE OF WHEN THE WATER WILL BE TURNED OFF AND WHEN IT IS ESTIMATED THAT SERVICE WILL BE RESUMED. THESE CONNECTIONS SHALL BE MADE AT NIGHT UNLESS AN ALTERNATE TIE-IN TIME IS APPROVED BY THE CITY OF FORT MYERS. NO CUSTOMER SHALL BE WITHOUT WATER SERVICE FOR MORE THAN 4 HOURS UNLESS SPECIFICALLY APPROVED BY THE CITY OF FORT MYERS.
19. A LEE COUNTY ROW PERMIT WILL BE REQUIRED PRIOR TO ANY UTILITY WORK BEING PERFORMED WITHIN THE LEE COUNTY RIGHT OF WAY. THE ROW PERMIT APPLICATION WILL REQUIRE AN LDO APPROVED AND STAMPED SET OF PLANS TO BE PROVIDED BY LEE COUNTY UTILITIES. PERMIT FEES AND BONDING COSTS ARE AT THE CONTRACTOR'S EXPENSE WITH NO COMPENSATION FROM THE UTILITY.
20. A SFWMD DEWATERING PERMIT HAS NOT BEEN OBTAINED FOR THE UTILITY CONSTRUCTION. IF THE CONTRACTOR CHOOSES METHODS THAT REQUIRE A DEWATERING PERMIT, THEY WILL BE RESPONSIBLE FOR OBTAINING THE PERMIT AT NO ADDITIONAL COST TO THE OWNER.
21. SHOP DRAWINGS AND CERTIFICATIONS FOR ALL WATER, REUSE WATER, RAW WATER AND SEWER SYSTEM MATERIALS AND STRUCTURES ARE REQUIRED. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FIRST FOR APPROVAL, THEN TO THE UTILITY FOR APPROVAL PRIOR TO ORDERING THE MATERIAL REQUIRED FOR CONSTRUCTION.
22. ALL PROPOSED WATER MAINS, FORCE MAINS, REUSE MAINS, RAW WATER MAINS AND RELATED SERVICES MUST BE INSTALLED, CHLORINATED, TESTED, CERTIFIED BY ENGINEER OF RECORD TO D.O.H. AND/OR F.D.E.P. AND PLACED INTO SERVICE PRIOR TO EXISTING LINES BEING PLACED OUT OF SERVICE AND/OR REMOVED.
23. THE CONTRACTOR SHALL PROVIDE AT HIS/HER OWN EXPENSE ALL NECESSARY TEST PUMPING EQUIPMENT, WATER, WATER METERS, PRESSURE GAUGES AND OTHER EQUIPMENT, MATERIAL AND FACILITIES REQUIRED FOR ALL HYDROSTATIC AND LEAKAGE TESTING. CONTRACTOR SHALL CONTACT THE UTILITY AND ENGINEER IN WRITTEN FORM, SEVENTY-TWO (72) HOURS IN ADVANCE OF PROPOSED TESTING. THE CONTRACTOR SHALL PERFORM SATISFACTORY PRE-TESTING PRIOR TO NOTIFICATION. NO TESTING WILL BE SCHEDULED ON A MONDAY OR FRIDAY.
24. ALL TESTING RESULTS FOR NEW CONSTRUCTION SHALL BE PROVIDED TO THE UTILITY. TESTING REQUIREMENTS ARE TO BE IN ACCORDANCE WITH THE UTILITIES' SPECIFICATIONS AND REQUIREMENTS. ALL TEST RESULTS SHALL BE PROVIDED (PASSING AND FAILING) ON A REGULAR AND INTERMEDIATE BASIS. NO TESTING WILL BE SCHEDULED ON MONDAY OR FRIDAY.
25. PIPE LENGTHS ARE APPROXIMATE. INSTALLATION AND REMOVAL OF UTILITY PIPES ARE MEASURED IN LINEAR FEET TO THE NEAREST FOOT ALONG THE CENTERLINE FROM CENTER OF FITTING TO CENTER OF FITTING. NO DISTINCTION IS MADE FOR VERTICAL DEFLECTIONS. ALL MEASUREMENTS STATED ON THE PLAN VIEWS ARE HORIZONTAL LINEAR FEET. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES TO A CONDITION BETTER THAN EXISTING, ABOVE OR BELOW GROUND THAT MAY OCCUR AS A RESULT OF THE WORK PERFORMED BY THE CONTRACTOR.
26. REMOVAL OF VALVES, FITTINGS, AND APPURTANCES SHALL BE INCIDENTAL TO THE COST OF THE ASSOCIATED PIPE REMOVAL AND NO ADDITIONAL COMPENSATION WILL BE MADE.
27. ALL EXISTING VALVES LOCATED WITHIN DISTURBED AREAS OF PROJECT LIMITS THAT ARE TO REMAIN, SHALL BE ADJUSTED TO BE FLUSH WITH PROPOSED FINISHED GRADE AS NEEDED. CONTRACTOR TO PROVIDE VALVE BOX, VALVE BOX EXTENSION, COVER AND PAD AS REQUIRED.

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*UTILITY NOTES*

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**AS-BUILT COLLECTION NOTES:**

- CONTRACTOR SHALL COLLECT POINT DATA AT:  
 ALL CONSTRUCTED UTILITY PIPE FITTINGS, APPURTENANCES, CHANGE IN DIRECTION, ETC.  
 ALL CONSTRUCTED UTILITY PIPE BETWEEN FITTINGS, APPURTENANCES, ETC.  
 ALONG CONSTRUCTED UTILITY PIPE AT NO MORE THAN 100' INTERVALS ALONG CONTINUOUS CONSTRUCTED UTILITY PIPE TO REPRESENT HORIZONTAL AND VERTICAL LOCATION.
- ALL COLLECTED POINT DATA SHALL INCLUDE UTILITY PIPE SIZE, TYPE, WALL THICKNESS (I.E. DR14, DR18, DR9, CL200, ETC.) & VERTICAL ELEVATION AS WELL AS MANUFACTURER AND DATE INSTALLED.

**NOTE:**  
 THE ABOVE SAMPLE EXHIBIT IS FOR REFERENCE ONLY, AS-BUILT POINT DATA COLLECTION SHALL COMPLY WITH TECHNICAL SPECS PROVIDED IN THE CONTRACT DOCUMENTS AND UTILITY COMPANY'S REQUIRED SPECIFICATIONS, WHICHEVER IS MORE INCLUSIVE.

**AS-BUILT POINT COLLECTION LOCATION**

**AS-BUILT REQUIREMENTS:**

- AT THE SITE KEEP AND MAINTAIN ONE RECORD COPY OF ALL CONTRACT DOCUMENTS, REFERENCE DOCUMENTS AND ALL TECHNICAL DOCUMENTS SUBMITTED IN GOOD ORDER. AS THE WORK PROGRESSES THE CONTRACTOR IS TO RECORD ONE SET OF REPRODUCIBLE DRAWINGS NOTING ALL CHANGES AND DEVIATIONS FROM THE ORIGINAL PLANS.
- INSTALLATION/REMOVAL/PLUGGING OF THE UTILITY PIPELINES IS TO INCLUDE AS-BUILT PLAN INFORMATION FURNISHED TO THE ENGINEER. THE AS-BUILT PLANS MUST IDENTIFY AND SATISFY THE LEE COUNTY AS-BUILT/RECORD DRAWING REQUIREMENTS WHICH INCLUDE VERTICAL AND HORIZONTAL ALIGNMENT, TYPE OF MATERIAL, AND LOCATIONS OF MATERIAL CHANGES FOR ALL WATER, RECLAIMED WATER, AND SEWER LINES, CASINGS, VALVES, TEES, BENDS, REDUCERS, HYDRANTS, CASINGS, SERVICE SIZE CONNECTIONS, GROUTING LIMITS, METER BOXES AND/OR PAD, AND OTHER PERTINENT STRUCTURES. PIPELINE RUNS IN EXCESS OF 100 FEET, WITHOUT FITTINGS, ARE TO INCLUDE VERTICAL ALIGNMENT INFORMATION AT 100 FOOT INTERVALS. SAID ALIGNMENT IS TO BE TIED TO STATE PLANE COORDINATES AND IS TO BE CERTIFIED BY A PROFESSIONAL LAND SURVEYOR, LICENSED IN THE STATE OF FLORIDA. ALL POINTS (X,Y,Z) PROVIDED ARE TO INDICATE THE SIZE, ELEVATION AND TYPE AND MATERIAL (INCLUDING CLASS OR DR) OF ITEM BEING IDENTIFIED. THE CONTRACTOR IS TO CONNECT THE AS-BUILT POINTS AND ENSURE THE ACCURACY OF THE DATA PRIOR TO PROVIDING THE DATA/DRAWINGS TO THE ENGINEER. CONTRACTOR SHALL PERFORM A QUALITY CONTROL REVIEW OF ALL INFORMATION PROVIDED TO THE ENGINEER. ENGINEER WILL RETURN ALL DRAWINGS AND DATA TO THE CONTRACTOR IF ANY INACCURACIES ARE FOUND AN/OR CORRECTIONS ARE NEEDED.
- AS-BUILTS WILL NOT BE DETERMINED ACCEPTABLE UNTIL LEE COUNTY ACCEPTS THE RECORD DRAWINGS. PAYMENT FOR AS-BUILTS WILL NOT BE MADE UNTIL LEE COUNTY ACCEPTANCE OCCURS. PAYMENT FOR THE AS-BUILTS WILL BE REDUCED IN ACCORDANCE WITH TIME SPENT BY THE ENGINEER TO PROVIDE A QA/QC ON THE CONTRACTORS INFORMATION BEYOND THE INITIAL RECEIPT & REVIEW OF THE INFORMATION AND DATA.
- PROVIDE GEO-REFERENCED OR STATION/OFFSET REFERENCED DIGITAL PICTURES (NO MORE THAN TWO PER LOCATION) FOR ALL TIE-INS AND FITTINGS PRIOR TO BACK FILL. SUBMIT TO THE ENGINEER ALL AS-BUILT INFORMATION OF CONSTRUCTED WORK ON NO MORE THAN A BIWEEKLY BASIS. IF DATA IS MISSING AND/OR INACCURATE, RE-EXCAVATE SUBJECT AREA TO OBTAIN REQUIRED INFORMATION AND RESTORE AREA AT NO ADDITIONAL EXPENSE TO LEE COUNTY. LIMITS OF RESTORATION WILL BE SUBJECT LEE COUNTY APPROVALS.

**UTILITY OWNERS:**

COMPANY	CONTACT	TELEPHONE_NO.
AT&T	MICHAEL GAMBOA	863-888-8300
CENTURYLINK	VIVIAN McKEON	630-217-9384
CITY OF FORT MYERS	ANGELO THOMAS	239-321-7463
COMCAST	SCOTT LETZELTER	239-986-6975
CROWN CASTLE	CHUCK FERGUSON	570-872-6637
FP&L DISTRIBUTION	CHRIS MCJUNKIN	941-423-4833
LEE COUNTY UTILITIES	CHARLIE DUVERGE	239-533-8164
LEE COUNTY TECHNOLOGY	ADAM BOISSIERE	239-533-7371
LEE COUNTY TRAFFIC	MICHAEL PADGETT	239-533-9500
SUMMIT BROADBAND	BETSY BECKER	407-468-5735
TECO PEOPLES'S GAS	ANTHONY BAUBLITZ	941 342 4025

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NAME	COUNTY	PROJECT NO.	
					ORTIZ AVE.	LEE	20-0055	

**TABULATION OF QUANTITIES - FORCE MAIN**

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																TOTAL THIS SHEET		GRAND TOTAL	
			U-14		U-15		U-16		U-17		U-18		U-19		U-20		U-21		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
1010-02	2" PVC FORCE MAIN C900 DR 21 CL 200	LF																				
1010-04	4" PVC FORCE MAIN C900 DR 18 CL 150	LF	198		648		401		541		238										2026	
1010-06	6" PVC FORCE MAIN C900 DR 18 CL 150	LF									396										396	
1010-08	8" PVC FORCE MAIN C900 DR 18 CL 150	LF															851				851	
1011-08	UTILITY FITTING - 8" X 11 1/4 MJ BEND (RJ)	EA																				
1010-041	4" PVC FORCE MAIN C900 DR 14 CL 200	LF					111		39												150	
1010-081	8" PVC FORCE MAIN C900 DR 14 CL 200	LF																				
1022-08	UTILITY FITTING - 8" X 22 1/2 MJ BEND (RJ)	EA																				
1030-02	UTILITY FIXTURE -2" PV W/BOX, PAD & ID	EA																				
1030-04	UTILITY FIXTURE -4" PV W/BOX, PAD & ID	EA	2				1		1		2										6	
1030-06	UTILITY FIXTURE -6" PV W/BOX, PAD & ID	EA																				
1030-08	UTILITY FIXTURE -8" PV W/BOX, PAD & ID	EA																				
1045-02	UTILITY FITTING - 2" X 45 MJ BEND (RJ)	EA																				
1045-04	UTILITY FITTING - 4" X 45 MJ BEND (RJ)	EA	8		4		20		12		10										54	
1045-06	UTILITY FITTING - 6" X 45 MJ BEND (RJ)	EA									6										6	
1045-08	UTILITY FITTING - 8" X 45 MJ BEND (RJ)	EA															6				6	
1050-42	UTILITY FITTING - 4" X 2" REDUCER (RJ)	EA																				
1050-43	UTILITY FITTING - 4" X 3" REDUCER (RJ)	EA									1										1	
1050-64	UTILITY FITTING - 6" X 4" REDUCER (RJ)	EA									1										1	
1050-86	UTILITY FITTING - 8" X 6" REDUCER (RJ)	EA									1										1	
1100-44	UTILITY FITTING - 4" X 4" MJ TEE (RJ)	EA							1		1										2	
1100-66	UTILITY FITTING - 6" X 6" MJ TEE (RJ)	EA																				
1100-84	UTILITY FITTING - 8" X 4" MJ TEE (RJ)	EA																				
1100-86	UTILITY FITTING - 8" X 6" MJ TEE (RJ)	EA																				
1110-86	UTILITY FITTING - 8" X 6" MJ WYE (RJ)	EA																				
1300-02	2" FORCE MAIN TO BE PLACED OUT OF SERVICE, REMOVAL & DISPOSAL	LF																				
1300-03	3" FORCE MAIN TO BE PLACED OUT OF SERVICE, REMOVAL & DISPOSAL	LF									28										28	
1300-04	4" FORCE MAIN TO BE PLACED OUT OF SERVICE, REMOVAL & DISPOSAL	LF	94		496		560		670		430						348				2598	
1300-06	6" FORCE MAIN TO BE PLACED OUT OF SERVICE, REMOVAL & DISPOSAL	LF																				
1310-02	2" FORCE MAIN TO BE PLACED OUT OF SERVICE AND GROUTED	CY																				
1310-04	4" FORCE MAIN TO BE PLACED OUT OF SERVICE AND GROUTED	CY			0.21				0.20		0.41		1.69		1.27		0.70				4.48	
1310-06	6" FORCE MAIN TO BE PLACED OUT OF SERVICE AND GROUTED	CY																				
1400-06	CONNECTION TO EXISTING 6" FORCE MAIN VALVE	EA																				
1400-08	CONNECTION TO EXISTING 8" FORCE MAIN VALVE	EA									1						1				2	
1500-02	2" CUT IN CONNECTION	EA																				
1500-03	3" CUT IN CONNECTION	EA									1										1	
1500-04	4" CUT IN CONNECTION	EA	1						1												2	
1500-06	6" CUT IN CONNECTION	EA																				
1600-16	UTILITY PIPE - STEEL F&I, CASING, 16" - OPEN CUT	LF																				
1610-10	UTILITY PIPE - STEEL F&I, CASING, 10" - JACK AND BORE	LF	103								110										213	
1610-12	UTILITY PIPE - STEEL F&I, CASING, 12" - JACK AND BORE	LF																				
1700-04	UTILITY FITTING -4" MJ CAP (RJ)	EA											1		1						2	
1700-06	UTILITY FITTING -6" MJ CAP (RJ)	EA																				

**NOTE:**

- LENGTHS FOR PROPOSED PIPE NOTED IN THE PLANS ARE MEASURED BETWEEN FITTINGS AND VALVES THEREFORE PROPOSED PIPE LENGTHS IN THE TABULATION ARE NOT REPRESENTATIVE OF THE SHEET BOUNDARIES
- QUANTITIES FOR GROUTING OF EXISTING CASINGS IS MEASURED AND INCLUDED IN THE QUANTITY OF THE CARRIER PIPE GROUTING ITEMS
- CASING REMOVAL SHALL BE INCIDENTAL TO THE PIPE REMOVAL.

<table border="1"> <thead> <tr> <th colspan="4">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS				DATE	DESCRIPTION	DATE	DESCRIPTION					Stantec 1821 Victoria Avenue Fort Myers, FL 33901 Ph. 239-337-3330 Kristina Connelly, P.E. #54805	CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT <table border="1"> <tr> <th>ROAD NAME</th> <th>COUNTY</th> <th>PROJECT NO.</th> </tr> <tr> <td>ORTIZ AVE.</td> <td>LEE</td> <td>20-0055</td> </tr> </table>	ROAD NAME	COUNTY	PROJECT NO.	ORTIZ AVE.	LEE	20-0055	UTILITY <b>TABULATION OF QUANTITIES</b>	SHEET NO. U-7
REVISIONS																									
DATE	DESCRIPTION	DATE	DESCRIPTION																						
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**TABULATION OF QUANTITIES - FORCE MAIN**

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL			
			U-22		U-23		U-24		U-25		U-26		U-27		U-28		U-29		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
1010-02	2" PVC FORCE MAIN C900 DR 21 CL 200	LF	6				7											13		13		
1010-04	4" PVC FORCE MAIN C900 DR 18 CL 150	LF													6			6		2032		
1010-06	6" PVC FORCE MAIN C900 DR 18 CL 150	LF									228							228		624		
1010-08	8" PVC FORCE MAIN C900 DR 18 CL 150	LF			859		337		342		754		549		493		13	3347		4198		
1011-08	UTILITY FITTING - 8" X 11 1/4 MJ BEND (RJ)	EA									1		1					2		2		
1010-041	4" PVC FORCE MAIN C900 DR 14 CL 200	LF																		150		
1010-081	8" PVC FORCE MAIN C900 DR 14 CL 200	LF													97			97		97		
1022-08	UTILITY FITTING - 8" X 22 1/2 MJ BEND (RJ)	EA									2							2		2		
1030-02	UTILITY FIXTURE -2" PV W/BOX, PAD & ID	EA	1				1											2		2		
1030-04	UTILITY FIXTURE -4" PV W/BOX, PAD & ID	EA												1				1		7		
1030-06	UTILITY FIXTURE -6" PV W/BOX, PAD & ID	EA									3							3		3		
1030-08	UTILITY FIXTURE -8" PV W/BOX, PAD & ID	EA			1				1		1							3		3		
1045-02	UTILITY FITTING - 2" X 45 MJ BEND (RJ)	EA	2				2											4		4		
1045-04	UTILITY FITTING - 4" X 45 MJ BEND (RJ)	EA													2			2		56		
1045-06	UTILITY FITTING - 6" X 45 MJ BEND (RJ)	EA									6							6		12		
1045-08	UTILITY FITTING - 8" X 45 MJ BEND (RJ)	EA	4		4		4		16		10		10		8		2	58		64		
1050-42	UTILITY FITTING - 4" X 2" REDUCER (RJ)	EA	1				1											2		2		
1050-43	UTILITY FITTING - 4" X 3" REDUCER (RJ)	EA																		1		
1050-64	UTILITY FITTING - 6" X 4" REDUCER (RJ)	EA																		1		
1050-86	UTILITY FITTING - 8" X 6" REDUCER (RJ)	EA															1	1		2		
1100-44	UTILITY FITTING - 4" X 4" MJ TEE (RJ)	EA																		2		
1100-66	UTILITY FITTING - 6" X 6" MJ TEE (RJ)	EA															1	1		1		
1100-84	UTILITY FITTING - 8" X 4" MJ TEE (RJ)	EA	1				1								1			3		3		
1100-86	UTILITY FITTING - 8" X 6" MJ TEE (RJ)	EA									1							1		1		
1110-86	UTILITY FITTING - 8" X 6" MJ WYE (RJ)	EA									1							1		1		
1300-02	2" FORCE MAIN TO BE PLACED OUT OF SERVICE, REMOVAL & DISPOSAL	LF	92				102											194		194		
1300-03	3" FORCE MAIN TO BE PLACED OUT OF SERVICE, REMOVAL & DISPOSAL	LF																		28		
1300-04	4" FORCE MAIN TO BE PLACED OUT OF SERVICE, REMOVAL & DISPOSAL	LF	518		555		560		560		423			106		36	2758		5356			
1300-06	6" FORCE MAIN TO BE PLACED OUT OF SERVICE, REMOVAL & DISPOSAL	LF									338		560		560		27	1485		1485		
1310-02	2" FORCE MAIN TO BE PLACED OUT OF SERVICE AND GROUTED	CY	0.25				0.21											0.46		0.5		
1310-04	4" FORCE MAIN TO BE PLACED OUT OF SERVICE AND GROUTED	CY	0.14								0.19							0.33		4.8		
1310-06	6" FORCE MAIN TO BE PLACED OUT OF SERVICE AND GROUTED	CY									0.42							0.42		0.4		
1400-06	CONNECTION TO EXISTING 6" FORCE MAIN VALVE	EA									1									2		
1400-08	CONNECTION TO EXISTING 8" FORCE MAIN VALVE	EA														1				2		
1500-02	2" CUT IN CONNECTION	EA	1				1													2		
1500-03	3" CUT IN CONNECTION	EA																		1		
1500-04	4" CUT IN CONNECTION	EA													1					3		
1500-06	6" CUT IN CONNECTION	EA									1									1		
1600-16	UTILITY PIPE - STEEL F&I, CASING, 16" - OPEN CUT	LF					54		42		48									144		
1610-10	UTILITY PIPE - STEEL F&I, CASING, 10" - JACK AND BORE	LF																			213	
1610-12	UTILITY PIPE - STEEL F&I, CASING, 12" - JACK AND BORE	LF										125								125		
1700-04	UTILITY FITTING -4" MJ CAP (RJ)	EA																		1		
1700-06	UTILITY FITTING -6" MJ CAP (RJ)	EA																		1		

NOTE:  
 1. LENGTHS FOR PROPOSED PIPE NOTED IN THE PLANS ARE MEASURED BETWEEN FITTINGS AND VALVES THEREFORE PROPOSED PIPE LENGTHS IN THE TABULATION ARE NOT REPRESENTATIVE OF THE SHEET BOUNDARIES  
 2. QUANTITIES FOR GROUTING OF EXISTING CASINGS IS MEASURED AND INCLUDED IN THE QUANTITY OF THE CARRIER PIPE GROUTING ITEMS  
 3. CASING REMOVAL SHALL BE INCIDENTAL TO THE PIPE REMOVAL.

REVISIONS DATE DESCRIPTION DATE DESCRIPTION				Stantec 1821 Victoria Avenue Fort Myers, FL 33901 Ph. 239-337-3330 Kristina Connelly, P.E. #54805	CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT			UTILITY <b>TABULATION OF QUANTITIES</b>	SHEET NO. U-8
ROAD NAME		COUNTY			PROJECT NO.				
ORTIZ AVE.		LEE		20-0055					

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



TABULATION OF QUANTITIES - WATER MAIN

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																TOTAL THIS SHEET		GRAND TOTAL			
			U-41		U-42		U-43		U-44		U-45		U-46		U-47		U-48		PLAN	FINAL	PLAN	FINAL		
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
1020-01	1" PVC WATERMAIN C900 DR 18 CL 150	LF																						
1020-04	4" PVC WATERMAIN C900 DR 18 CL 150	LF					3														3			
1020-06	6" PVC WATERMAIN C900 DR 18 CL 150	LF							28		172										200			
1020-08	8" PVC WATERMAIN C900 DR 18 CL 150	LF					18														18			
1020-10	10" PVC WATERMAIN C900 DR 18 CL 150	LF				179		29													208			
1020-12	12" PVC WATERMAIN C900 DR 18 CL 150	LF																						
1020-16-1	16" PVC WATERMAIN C905 DR 25 CL 165	LF				715		414		543		420						998			3090			
1020-16-2	16" PVC WATERMAIN C905 DR 18 CL 235	LF						115		45											160			
1022-16	UTILITY FITTING - 16" X 22 1/2 MJ BEND (RJ)	EA																						
1040-04	UTILITY FIXTURE -4" GV W/BOX, PAD & ID	EA						1													1			
1040-06	UTILITY FIXTURE -6" GV W/BOX, PAD & ID	EA								2		1									3			
1040-08	UTILITY FIXTURE -8" GV W/BOX, PAD & ID	EA						1													1			
1040-10	UTILITY FIXTURE -10" GV W/BOX, PAD & ID	EA				1		1													2			
1040-12	UTILITY FIXTURE -12" GV W/BOX, PAD & ID	EA																						
1040-16	UTILITY FIXTURE - 16" GV W/BOX, PAD & ID	EA				2				1											3			
1045-01	UTILITY FITTING - 1" X 45 MJ BEND (RJ)	EA																						
1045-02	UTILITY FITTING - 2" X 45 MJ BEND (RJ)	EA																						
1045-04	UTILITY FITTING - 4" X 45 MJ BEND (RJ)	EA																						
1045-06	UTILITY FITTING - 6" X 45 MJ BEND (RJ)	EA								10		6									16			
1045-08	UTILITY FITTING - 8" X 45 MJ BEND (RJ)	EA						2													2			
1045-10	UTILITY FITTING - 10" X 45 MJ BEND (RJ)	EA				7		2													9			
1045-12	UTILITY FITTING - 12" X 45 MJ BEND (RJ)	EA																						
1045-16	UTILITY FITTING - 16" X 45 MJ BEND (RJ)	EA				8		15		8		2						4			37			
1050-41	UTILITY FITTING - 4" X 1" REDUCER (RJ)	EA						1													1			
1050-42	UTILITY FITTING - 4" X 2" REDUCER (RJ)	EA																						
1050-64	UTILITY FITTING - 6" X 4" REDUCER (RJ)	EA																						
1050-104	UTILITY FITTING - 10" X 4" REDUCER (RJ)	EA																						
1050-1210	UTILITY FITTING - 12" X 10" REDUCER (RJ)	EA																						
1050-1610	UTILITY FITTING - 16" X 10" REDUCER (RJ)	EA				1															1			
1050-1612	UTILITY FITTING - 16" X 12" REDUCER (RJ)	EA																						
1050-2016	UTILITY FITTING - 20" X 16" REDUCER (RJ)	EA																						
1050-2416	UTILITY FITTING - 24" X 16" REDUCER (RJ)	EA				1															1			
1060-06	UTILITY FITTING - 6" MJ CAP (RJ)	EA															2				2			
1060-08	UTILITY FITTING - 8" MJ CAP (RJ)	EA																						
1060-10	UTILITY FITTING - 10" MJ CAP (RJ)	EA							1												1			
1060-24	UTILITY FITTING - 24" MJ CAP (RJ)	EA						1													1			
1070-10	FIRE HYDRANT ASSEMBLY	EA								1											1			
1090-10	UTILITY FITTING - 10" X 90 MJ BEND (RJ)	EA																						
1100-1206	UTILITY FITTING - 12" X 6" MJ TEE (RJ)	EA																						
1100-1604	UTILITY FITTING - 16" X 4" MJ TEE (RJ)	EA						1													1			
1100-1606	UTILITY FITTING - 16" X 6" MJ TEE (RJ)	EA								2		1									3			
1100-1608	UTILITY FITTING - 16" X 8" MJ TEE (RJ)	EA						1													1			
1100-1610	UTILITY FITTING - 16" X 10" MJ TEE (RJ)	EA				1		1													2			
1100-1612	UTILITY FITTING - 16" X 12" MJ TEE (RJ)	EA																						
1100-1616	UTILITY FITTING - 16" X 16" MJ TEE (RJ)	EA						1													1			
1100-1630	UTILITY FITTING - 30" X 16" MJ TEE (RJ)	EA																						
1110-1606	UTILITY FITTING - 16" X 6" MJ WYE (RJ)	EA																						
1111-1610	UTILITY FITTING - 16" X 10" MJ CROSS (RJ)	EA																						
1111-1612	UTILITY FITTING - 16" X 12" MJ CROSS (RJ)	EA																						
1120-1	POTABLE WATER SERVICE, 1"	EA						1													1			
1120-2	POTABLE WATER SERVICE, 2"	EA															2				2			

NOTE:

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- QUANTITIES FOR GROUTING OF EXISTING CASINGS IS MEASURED AND INCLUDED IN THE QUANTITY OF THE CARRIER PIPE GROUTING ITEMS
- CASING REMOVAL SHALL BE INCIDENTAL TO THE PIPE REMOVAL.

REVISIONS				Stantec 1821 Victoria Avenue Fort Myers, FL 33901 Ph. 239-337-3330 Kristina Connelly, P.E. #54805	CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT			UTILITY  <b>TABULATION OF QUANTITIES</b>	SHEET NO.  U-9
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NAME	COUNTY	PROJECT NO.		
6-22-22	REVISED QUANTITIES				ORTIZ AVE.	LEE	20-0055		

TABULATION OF QUANTITIES - WATER MAIN

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																TOTAL THIS SHEET		GRAND TOTAL	
			U-41		U-42		U-43		U-44		U-45		U-46		U-47		U-48		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
1200-00	1" - 1.5" WATER MAIN TO BE PLACED OUT OF SERVICE, REMOVAL & DISPOSAL	LF																				
1200-04	4" WATER MAIN TO BE PLACED OUT OF SERVICE, REMOVAL & DISPOSAL	LF																				
1200-06	6" WATER MAIN TO BE PLACED OUT OF SERVICE, REMOVAL & DISPOSAL	LF					248		741		448				10		349		1796			
1200-08	8" WATER MAIN TO BE PLACED OUT OF SERVICE, REMOVAL & DISPOSAL	LF		462			664												1126			
1200-10	10" WATER MAIN TO BE PLACED OUT OF SERVICE, REMOVAL & DISPOSAL	LF		12															12			
1200-12	12" WATER MAIN TO BE PLACED OUT OF SERVICE, REMOVAL & DISPOSAL	LF																				
1210-00	1" - 1.5" WATER MAIN TO BE PLACED OUT OF SERVICE AND GROUTED	CY					0.02												0.02			
1210-04	4" WATER MAIN TO BE PLACED OUT OF SERVICE AND GROUTED	CY																				
1210-06	6" WATER MAIN TO BE PLACED OUT OF SERVICE AND GROUTED	CY							1.29		0.83		4.07		4.00		1.56		11.75			
1210-08	8" WATER MAIN TO BE PLACED OUT OF SERVICE AND GROUTED	CY		0.62			3.13												3.75			
1210-10	10" WATER MAIN TO BE PLACED OUT OF SERVICE AND GROUTED	CY					1.33												1.33			
1210-12	12" WATER MAIN TO BE PLACED OUT OF SERVICE AND GROUTED	CY																				
1400-06	CONNECTION TO EXISTING 6" WATERMAIN	EA																	1			
1400-08	CONNECTION TO EXISTING 8" WATERMAIN	EA					1												1			
1400-10	CONNECTION TO EXISTING 10" WATERMAIN	EA																				
1400-16	CONNECTION TO EXISTING 16" WATERMAIN	EA										1					1		2			
1400-24	CONNECTION TO EXISTING 24" WATERMAIN	EA			1														1			
1400-36	CONNECTION TO EXISTING 36" WATERMAIN	EA																				
1500-01	1" CUT IN CONNECTION	EA					1												1			
1500-02	2" CUT IN CONNECTION	EA																				
1500-04	4" CUT IN CONNECTION	EA																				
1500-06	6" CUT IN CONNECTION	EA									2								2			
1500-08	8" CUT IN CONNECTION	EA																				
1500-10	10" CUT IN CONNECTION	EA			2		1												3			
1500-12	12" CUT IN CONNECTION	EA																				
1500-36	36" CUT IN CONNECTION	EA																				
1520-162	16"x2" HOT TAP, WITH 16" TAPPING SADDLE AND 2" VALVE	EA												2					2			
1600-20	UTILITY PIPE - STEEL CASING, F&I, 20" - OPEN CUT	LF																				
1600-24	UTILITY PIPE - STEEL CASING, F&I, 24" - OPEN CUT	LF																				
1600-30	UTILITY PIPE - STEEL CASING, F&I, 30" - OPEN CUT	LF																				
1610-12	UTILITY PIPE - STEEL CASING, F&I, 12" - JACK AND BORE	LF																	107			
1610-20	UTILITY PIPE - STEEL CASING, F&I, 20" - JACK AND BORE	LF			130														130			
1610-24	UTILITY PIPE - STEEL CASING, F&I, 24" - JACK AND BORE	LF																				
1610-30	UTILITY PIPE - STEEL CASING, F&I, 30" - JACK AND BORE	LF			115														115			
1620-2	DIRECTIONAL BORE, 2" WATER SERVICE	LF																	365			

NOTE:  
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 2. QUANTITIES FOR GROUTING OF EXISTING CASINGS IS MEASURED AND INCLUDED IN THE QUANTITY OF THE CARRIER PIPE GROUTING ITEMS  
 3. CASING REMOVAL SHALL BE INCIDENTAL TO THE PIPE REMOVAL.

REVISIONS DATE DESCRIPTION DATE DESCRIPTION 6-22-22 REVISED QUANTITIES 1				Stantec 1821 Victoria Avenue Fort Myers, FL 33901 Ph. 239-337-3330 Kristina Connolly, P.E. #54805	CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT ROAD NAME COUNTY PROJECT NO. ORTIZ AVE. LEE 20-0055	UTILITY TABULATION OF QUANTITIES	SHEET NO. U-10
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THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																TOTAL THIS SHEET		GRAND TOTAL	
			U-49		U-50		U-51		U-52		U-53		U-54		U-55		U-56		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
1020-01	1" PVC WATERMAIN C900 DR 18 CL 150	LF									66	3						66	3		66	3
1020-04	4" PVC WATERMAIN C900 DR 18 CL 150	LF					14											14			14	
1020-06	6" PVC WATERMAIN C900 DR 18 CL 150	LF							68									68			68	
1020-08	8" PVC WATERMAIN C900 DR 18 CL 150	LF																			7	1
1020-10	10" PVC WATERMAIN C900 DR 18 CL 150	LF					185									49		272			272	
1020-12	12" PVC WATERMAIN C900 DR 18 CL 150	LF								154	3							154	3		154	3
1020-16-1	16" PVC WATERMAIN C905 DR 25 CL 165	LF				379		550			467	3			619		643			3663	1	
1020-16-2	16" PVC WATERMAIN C905 DR 18 CL 235	LF													69		37			106		
1022-16	UTILITY FITTING - 16" X 22 1/2 MJ BEND (RJ)	EA											2		2					4		
1040-04	UTILITY FIXTURE -4" GV W/BOX, PAD & ID	EA						1					1							2		
1040-06	UTILITY FIXTURE -6" GV W/BOX, PAD & ID	EA									1									1		
1040-08	UTILITY FIXTURE -8" GV W/BOX, PAD & ID	EA																		1	1	
1040-10	UTILITY FIXTURE -10" GV W/BOX, PAD & ID	EA						1								1				2	3	
1040-12	UTILITY FIXTURE -12" GV W/BOX, PAD & ID	EA									2	3								4	1	
1040-16	UTILITY FIXTURE - 16" GV W/BOX, PAD & ID	EA				2					1		1							4	1	
1045-01	UTILITY FITTING - 1" X 45 MJ BEND (RJ)	EA																		2	3	
1045-02	UTILITY FITTING - 2" X 45 MJ BEND (RJ)	EA																		4	3	
1045-04	UTILITY FITTING - 4" X 45 MJ BEND (RJ)	EA						4												6		
1045-06	UTILITY FITTING - 6" X 45 MJ BEND (RJ)	EA									6									2	1	
1045-08	UTILITY FITTING - 8" X 45 MJ BEND (RJ)	EA																		2	3	
1045-10	UTILITY FITTING - 10" X 45 MJ BEND (RJ)	EA						6								2				12	3	
1045-12	UTILITY FITTING - 12" X 45 MJ BEND (RJ)	EA									4	3								2	3	
1045-16	UTILITY FITTING - 16" X 45 MJ BEND (RJ)	EA				4		4			4				6		2			48		
1050-41	UTILITY FITTING - 4" X 1" REDUCER (RJ)	EA																		1	3	
1050-42	UTILITY FITTING - 4" X 2" REDUCER (RJ)	EA						1												1		
1050-64	UTILITY FITTING - 6" X 4" REDUCER (RJ)	EA																		1		
1050-104	UTILITY FITTING - 10" X 4" REDUCER (RJ)	EA						1												1		
1050-1210	UTILITY FITTING - 12" X 10" REDUCER (RJ)	EA									1									1		
1050-1610	UTILITY FITTING - 16" X 10" REDUCER (RJ)	EA																				
1050-1612	UTILITY FITTING - 16" X 12" REDUCER (RJ)	EA																				
1050-2016	UTILITY FITTING - 20" X 16" REDUCER (RJ)	EA																				
1050-2416	UTILITY FITTING - 24" X 16" REDUCER (RJ)	EA																			1	
1060-06	UTILITY FITTING - 6" MJ CAP (RJ)	EA																			2	
1060-08	UTILITY FITTING - 8" MJ CAP (RJ)	EA																			1	
1060-10	UTILITY FITTING - 10" MJ CAP (RJ)	EA																			1	
1060-24	UTILITY FITTING - 24" MJ CAP (RJ)	EA																			1	
1070-10	FIRE HYDRANT ASSEMBLY	EA					1		1							1				4	5	
1090-10	UTILITY FITTING - 10" X 90 MJ BEND (RJ)	EA															2			2		
1100-1206	UTILITY FITTING - 12" X 6" MJ TEE (RJ)	EA									1									1		
1100-1604	UTILITY FITTING - 16" X 4" MJ TEE (RJ)	EA																			1	
1100-1606	UTILITY FITTING - 16" X 6" MJ TEE (RJ)	EA									1										4	
1100-1608	UTILITY FITTING - 16" X 8" MJ TEE (RJ)	EA																		1	1	
1100-1610	UTILITY FITTING - 16" X 10" MJ TEE (RJ)	EA																		1	3	
1100-1612	UTILITY FITTING - 16" X 12" MJ TEE (RJ)	EA									1	3								1	3	
1100-1616	UTILITY FITTING - 16" X 16" MJ TEE (RJ)	EA																				
1100-1630	UTILITY FITTING - 30" X 16" MJ TEE (RJ)	EA																		1	1	
1110-1606	UTILITY FITTING - 16" X 6" MJ WYE (RJ)	EA																		1		
1111-1610	UTILITY FITTING - 16" X 10" MJ CROSS (RJ)	EA							1											1		
1111-1612	UTILITY FITTING - 16" X 12" MJ CROSS (RJ)	EA																			3	
1120-1	POTABLE WATER SERVICE, 1"	EA																			1	
1120-2	POTABLE WATER SERVICE, 2"	EA							1											1	3	

NOTE:  
 1. LENGTHS FOR PROPOSED PIPE NOTED IN THE PLANS ARE MEASURED BETWEEN FITTINGS AND VALVES THEREFORE PROPOSED PIPE LENGTHS IN THE TABULATION ARE NOT REPRESENTATIVE OF THE SHEET BOUNDARIES  
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REVISIONS				Stantec 1821 Victoria Avenue Fort Myers, FL 33901 Ph. 239-337-3330 Kristina Connelly, P.E. #54805	CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT			UTILITY TABULATION OF QUANTITIES	SHEET NO.  U-11
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NAME	COUNTY	PROJECT NO.		
6-22-22	REVISED QUANTITIES				ORTIZ AVE.	LEE	20-0055		
4-3-23	REVISED QUANTITIES								

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS SHEET		GRAND TOTAL					
			U-49		U-50		U-51		U-52		U-53		U-54		U-55		U-56		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
1200-00	1"-1.5" WATER MAIN TO BE PLACED OUT OF SERVICE, REMOVAL & DISPOSAL	LF					146											146		146		
1200-04	4" WATER MAIN TO BE PLACED OUT OF SERVICE, REMOVAL & DISPOSAL	LF								77	3							77	3	77	3	
1200-06	6" WATER MAIN TO BE PLACED OUT OF SERVICE, REMOVAL & DISPOSAL	LF	562		554		479		676									2750		4548		
1200-08	8" WATER MAIN TO BE PLACED OUT OF SERVICE, REMOVAL & DISPOSAL	LF								81			560		560		60	1261		2387		
1200-10	10" WATER MAIN TO BE PLACED OUT OF SERVICE, REMOVAL & DISPOSAL	LF				23			62						70			155		167	1	
1200-12	12" WATER MAIN TO BE PLACED OUT OF SERVICE, REMOVAL & DISPOSAL	LF							258			560	560		562		217	2157		2157		
1210-00	1"-1.5" WATER MAIN TO BE PLACED OUT OF SERVICE AND GROUTED	CY				0.003												0.003		0.02		
1210-04	4" WATER MAIN TO BE PLACED OUT OF SERVICE AND GROUTED	CY										0.23						0.2		0.2		
1210-06	6" WATER MAIN TO BE PLACED OUT OF SERVICE AND GROUTED	CY				0.59			0.47									1.1		12.8		
1210-08	8" WATER MAIN TO BE PLACED OUT OF SERVICE AND GROUTED	CY										2.28						2.3		6.0		
1210-10	10" WATER MAIN TO BE PLACED OUT OF SERVICE AND GROUTED	CY											5.96		8.18			14.1		15.5		
1210-12	12" WATER MAIN TO BE PLACED OUT OF SERVICE AND GROUTED	CY							5.00									5.0		5.0		
1400-06	CONNECTION TO EXISTING 6" WATERMAIN	EA											1					1		2		
1400-08	CONNECTION TO EXISTING 8" WATERMAIN	EA																		1		
1400-10	CONNECTION TO EXISTING 10" WATERMAIN	EA					1											1		1		
1400-16	CONNECTION TO EXISTING 16" WATERMAIN	EA																		2		
1400-24	CONNECTION TO EXISTING 24" WATERMAIN	EA																		1		
1400-36	CONNECTION TO EXISTING 36" WATERMAIN	EA														1		1		1		
1500-01	1" CUT IN CONNECTION	EA					1											1		2		
1500-02	2" CUT IN CONNECTION	EA					1											1		1		
1500-04	4" CUT IN CONNECTION	EA																1		3		
1500-06	6" CUT IN CONNECTION	EA								1								1		3		
1500-08	8" CUT IN CONNECTION	EA																1		3		
1500-10	10" CUT IN CONNECTION	EA								1								2		5	3	
1500-12	12" CUT IN CONNECTION	EA																1		1		
1500-36	36" CUT IN CONNECTION	EA																1		1	1	
1520-162	16"x2" HOT TAP, WITH 16" TAPPING SADDLE AND 2" VALVE	EA																			2	
1600-20	UTILITY PIPE - STEEL CASING, F&I, 20" - OPEN CUT	LF					49											49		49		
1600-24	UTILITY PIPE - STEEL CASING, F&I, 24" - OPEN CUT	LF											70					70		70		
1600-30	UTILITY PIPE - STEEL CASING, F&I, 30" - OPEN CUT	LF					58		45			52						155		155		
1610-12	UTILITY PIPE - STEEL CASING, F&I, 12" - JACK AND BORE	LF																			107	
1610-20	UTILITY PIPE - STEEL CASING, F&I, 20" - JACK AND BORE	LF								87								87		217		
1610-24	UTILITY PIPE - STEEL CASING, F&I, 24" - JACK AND BORE	LF										54						54		54		
1610-30	UTILITY PIPE - STEEL CASING, F&I, 30" - JACK AND BORE	LF															122	122		237		
1620-2	DIRECTIONAL BORE, 2" WATER SERVICE	LF																			365	

NOTE:  
 1. LENGTHS FOR PROPOSED PIPE NOTED IN THE PLANS ARE MEASURED BETWEEN FITTINGS AND VALVES THEREFORE PROPOSED PIPE LENGTHS IN THE TABULATION ARE NOT REPRESENTATIVE OF THE SHEET BOUNDARIES  
 2. QUANTITIES FOR GROUTING OF EXISTING CASINGS IS MEASURED AND INCLUDED IN THE QUANTITY OF THE CARRIER PIPE GROUTING ITEMS  
 3. CASING REMOVAL SHALL BE INCIDENTAL TO THE PIPE REMOVAL.

<table border="1"> <thead> <tr> <th colspan="4">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>6-22-22</td> <td>REVISED QUANTITIES </td> <td></td> <td></td> </tr> <tr> <td>4-3-23</td> <td>REVISED QUANTITIES </td> <td></td> <td></td> </tr> </tbody> </table>				REVISIONS				DATE	DESCRIPTION	DATE	DESCRIPTION	6-22-22	REVISED QUANTITIES			4-3-23	REVISED QUANTITIES			Stantec 1821 Victoria Avenue Fort Myers, FL 33901 Ph. 239-337-3330 Kristina Connolly, P.E. #54805	CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT <table border="1"> <tr> <th>ROAD NAME</th> <th>COUNTY</th> <th>PROJECT NO.</th> </tr> <tr> <td>ORTIZ AVE.</td> <td>LEE</td> <td>20-0055</td> </tr> </table>	ROAD NAME	COUNTY	PROJECT NO.	ORTIZ AVE.	LEE	20-0055	SHEET NO. U-12
REVISIONS																												
DATE	DESCRIPTION	DATE	DESCRIPTION																									
6-22-22	REVISED QUANTITIES																											
4-3-23	REVISED QUANTITIES																											
ROAD NAME	COUNTY	PROJECT NO.																										
ORTIZ AVE.	LEE	20-0055																										
<b>UTILITY</b> <b>TABULATION OF QUANTITIES</b>																												

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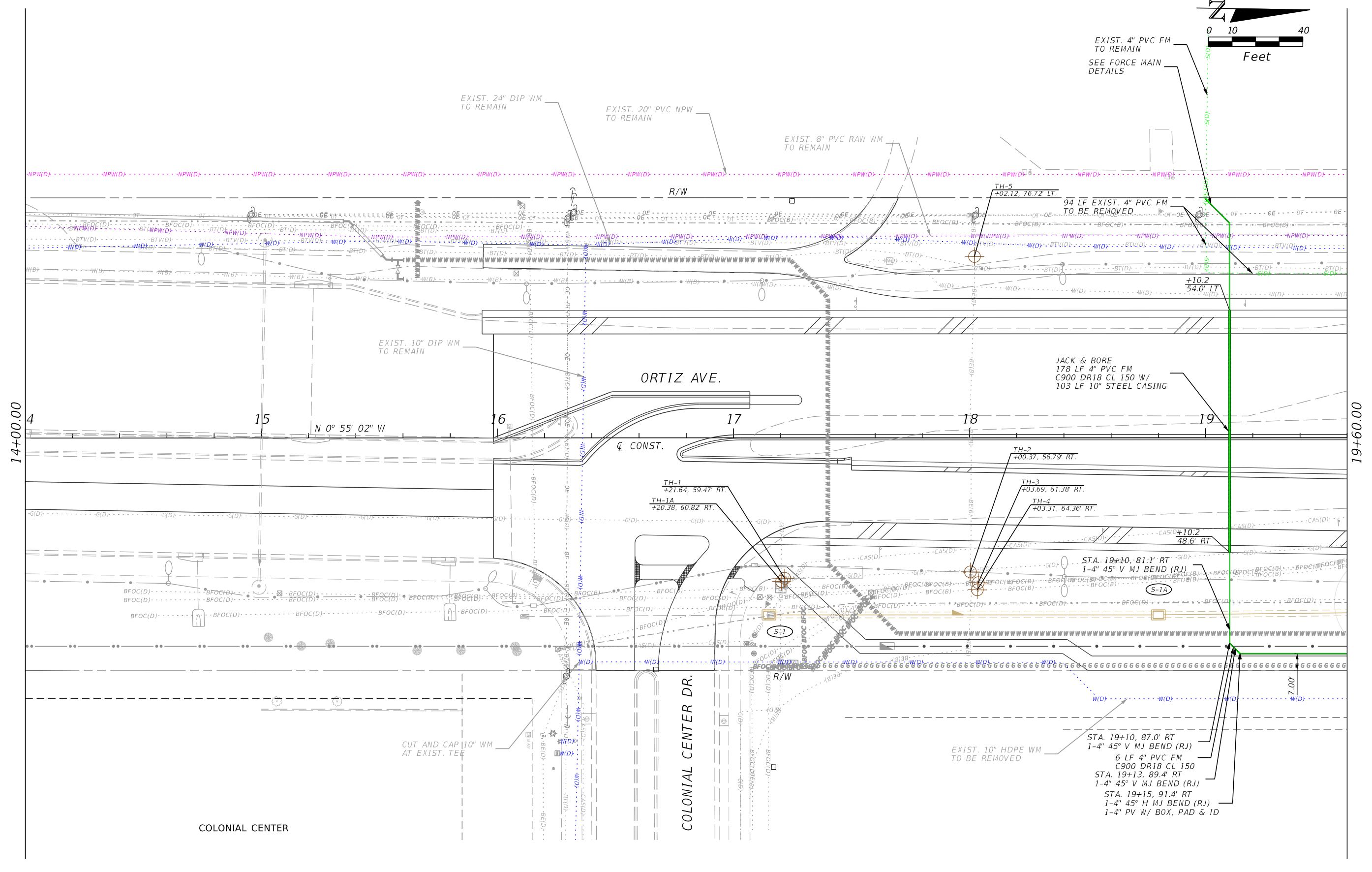
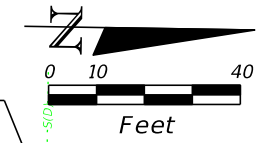
**TABULATION OF QUANTITIES - REUSE WATER MAIN**

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																		TOTAL THIS SHEET		GRAND TOTAL	
			U-75		U-76		U-77		U-78		U-79		U-80		U-81		U-82		U-83		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
1020-24	24" PVC RECLAIMED WATERMAIN C905 DR 25 CL 165	LF	372		536		557		470		575		564		492		560		223		4349		4349	
1021-24	24" PVC RECLAIMED WATERMAIN C905 DR 18 CL 235	LF			36				109						68						213		213	
1022-24	UTILITY FITTING - 24" X 22 1/2 MJ BEND (RJ)	EA																	1		1		1	
1045-24	UTILITY FITTING - 24" X 45 MJ BEND (RJ)	EA			5		3		6		10		3						4		31		31	
1050-2420	UTILITY FITTING - 24" x 20" MJ REDUCER (RJ)	EA																	1		1		1	
1070-10	FIRE HYDRANT ASSEMBLY	EA											1								1		1	
1100-2020	UTILITY FITTING - 20" x 20" MJ TEE (RJ)	EA																	1		1		1	
1140-24	UTILITY FIXTURE - 24" BV W/BOX, PAD & ID	EA					1						1				1				4		4	
1400-24	CONNECTION TO EXISTING 24" RECLAIMED WATERMAIN VALVE	EA	1																		1		1	
1500-20	20" CUT IN CONNECTION	EA																			1		1	

NOTE:  
 1. LENGTHS FOR PROPOSED PIPE NOTED IN THE PLANS ARE MEASURED BETWEEN FITTINGS AND VALVES THEREFORE PROPOSED PIPE LENGTHS IN THE TABULATION ARE NOT REPRESENTATIVE OF THE SHEET BOUNDARIES

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REVISIONS																									
DATE	DESCRIPTION	DATE	DESCRIPTION																						
ROAD NAME	COUNTY	PROJECT NO.																							
ORTIZ AVE.	LEE	20-0055																							

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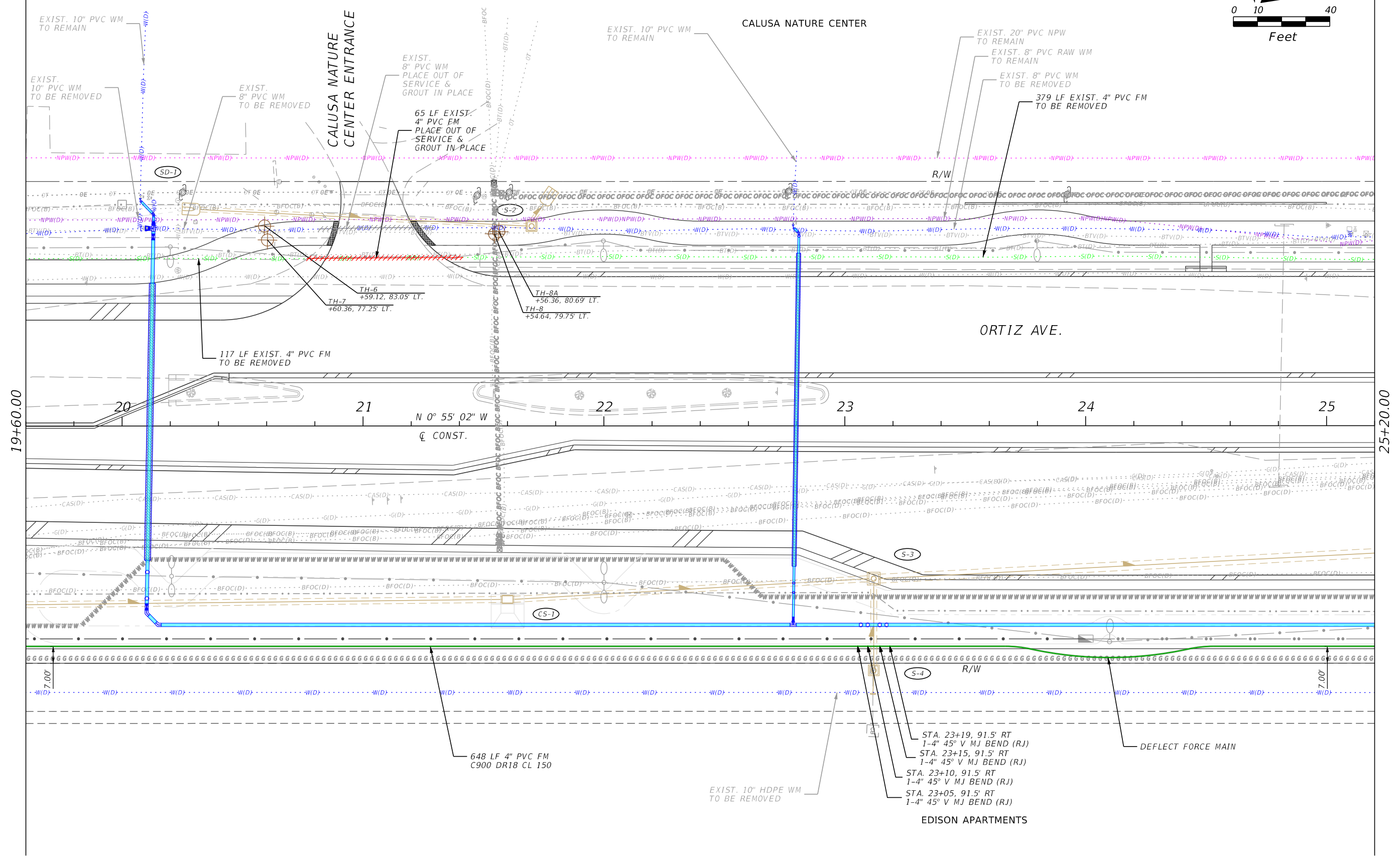
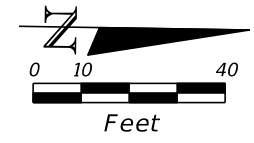
Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PLAN  
FORCE MAIN**

SHEET NO.  
**U-14**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



19+60.00

25+20.00

N 0° 55' 02" W  
 Q CONST.

STA. 23+19, 91.5' RT  
 1-4" 45° V MJ BEND (RJ)  
 STA. 23+15, 91.5' RT  
 1-4" 45° V MJ BEND (RJ)  
 STA. 23+10, 91.5' RT  
 1-4" 45° V MJ BEND (RJ)  
 STA. 23+05, 91.5' RT  
 1-4" 45° V MJ BEND (RJ)

DEFLECT FORCE MAIN

648 LF 4" PVC FM  
 C900 DR18 CL 150

EXIST. 10" HDPE WM  
 TO BE REMOVED

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

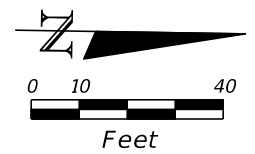
Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connolly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

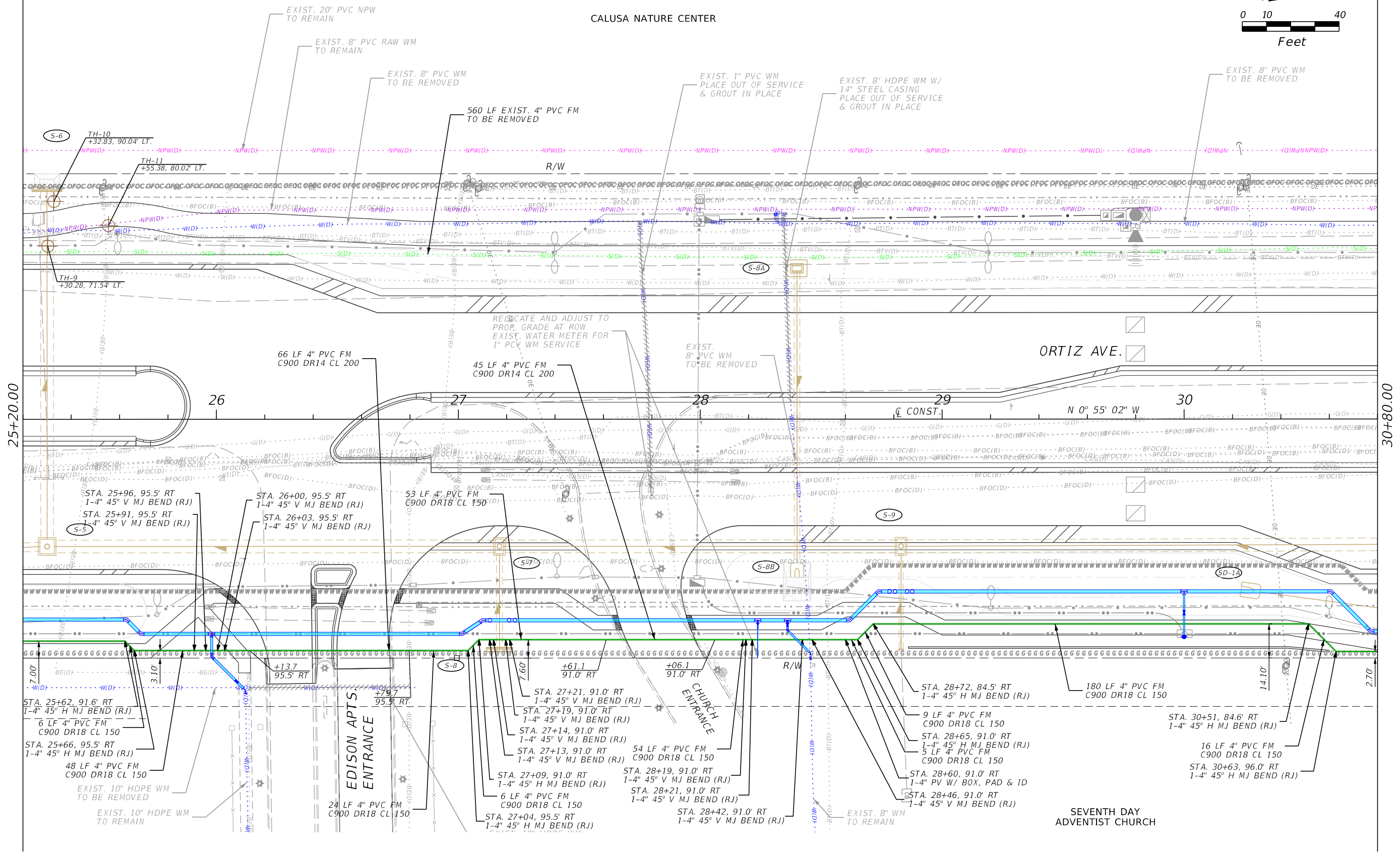
**UTILITY PLAN  
 FORCE MAIN**

SHEET NO.  
**U-15**

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CALUSA NATURE CENTER



REVISIONS			
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 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

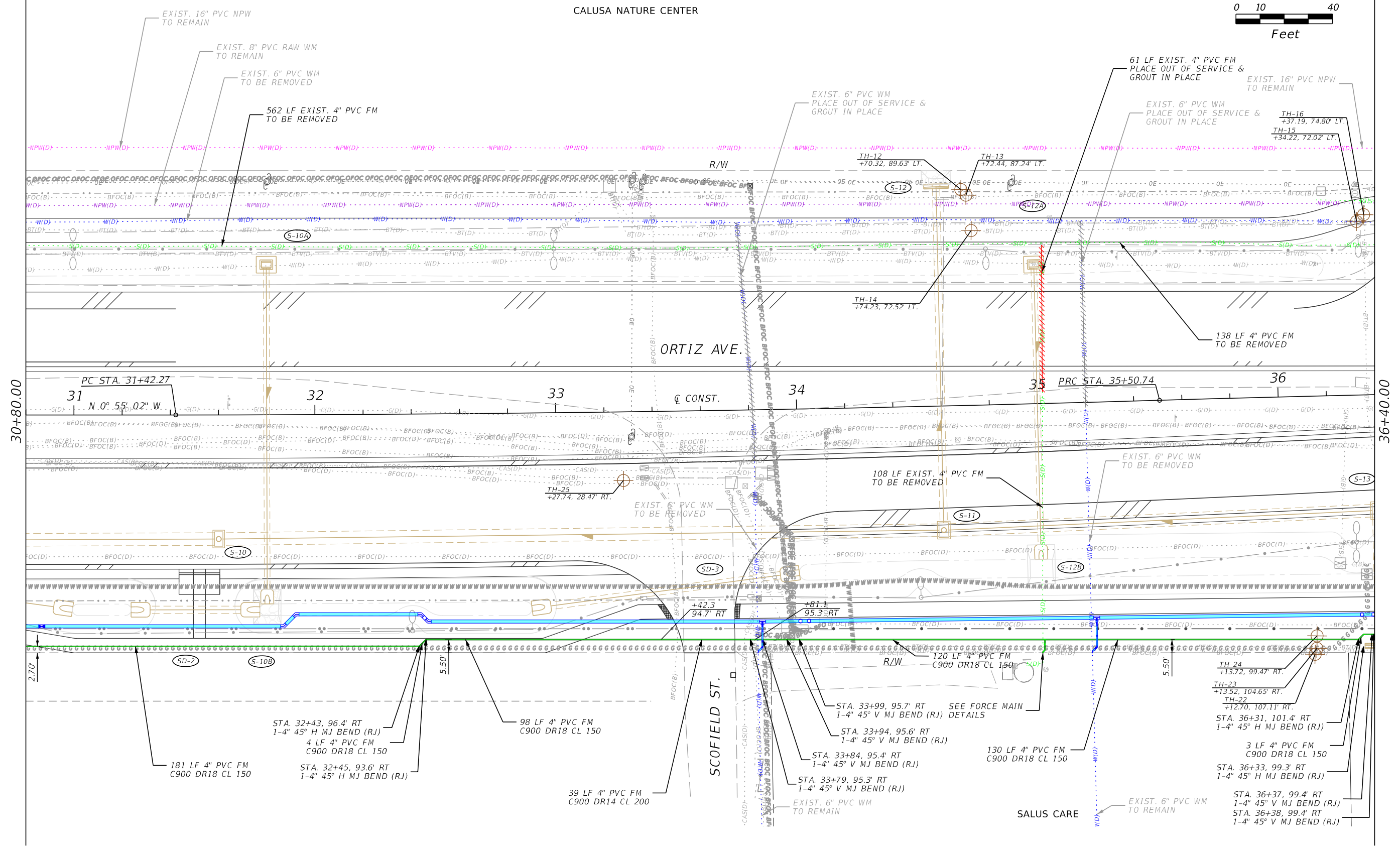
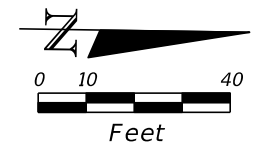
**UTILITY PLAN**  
**FORCE MAIN**

SHEET NO.  
 U-16

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CALUSA NATURE CENTER



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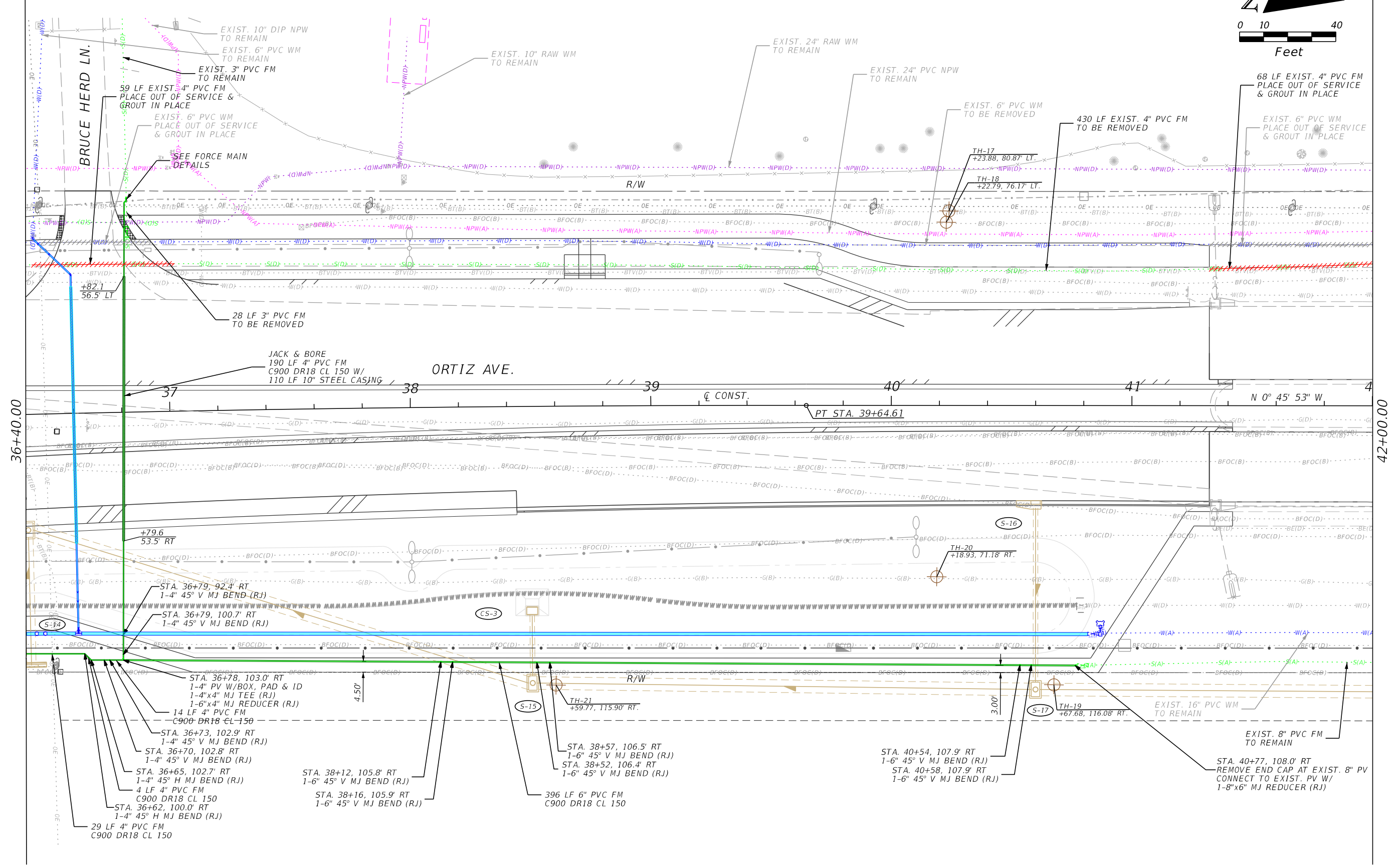
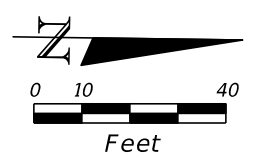
Stantec  
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CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PLAN  
FORCE MAIN**

SHEET NO.  
U-17

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REVISIONS

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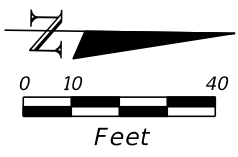
Stantec  
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CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

UTILITY PLAN  
 FORCE MAIN

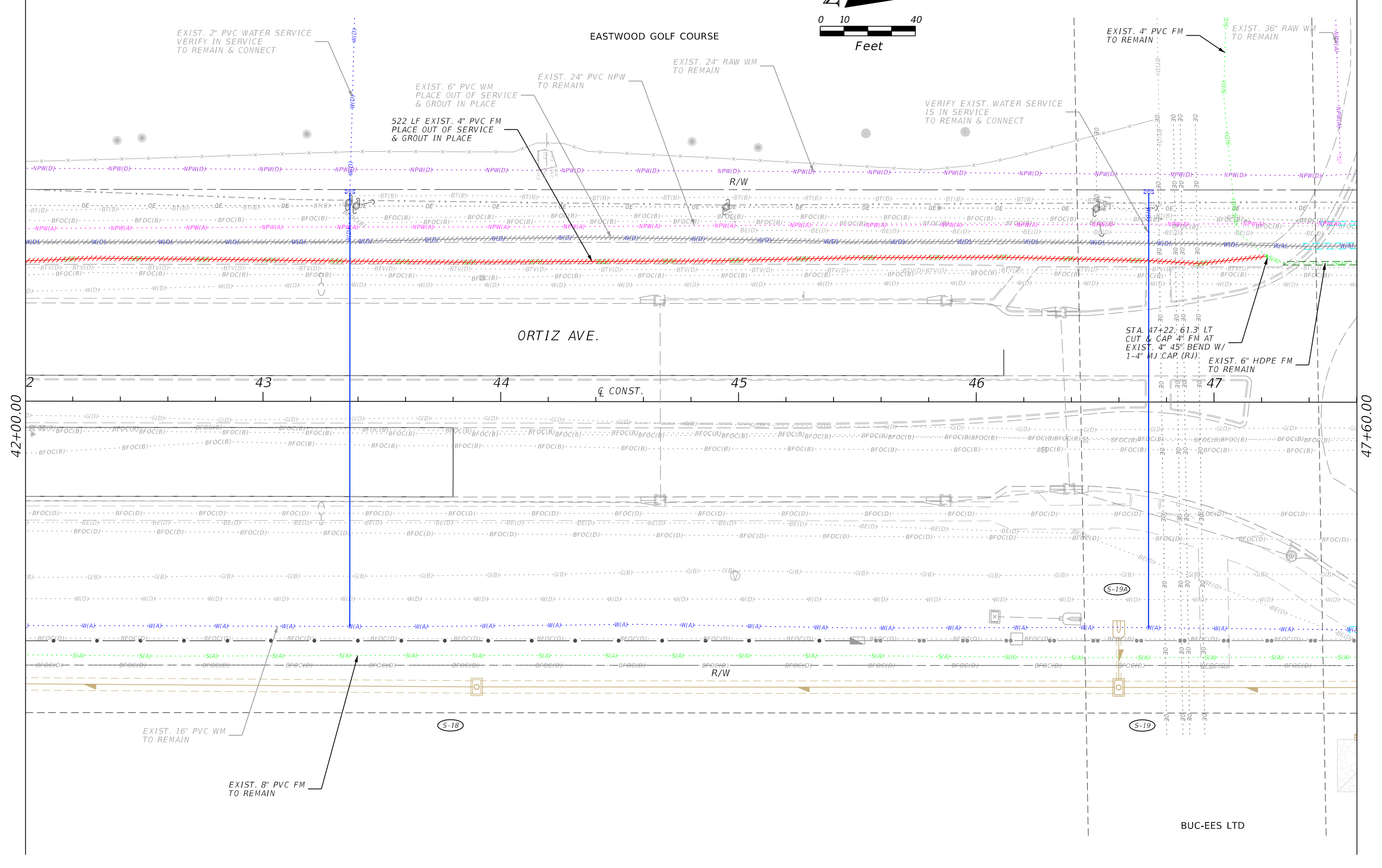
SHEET NO.
U-18

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EASTWOOD GOLF COURSE

ORTIZ AVE.



42+00.00

47+60.00

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connolly, P.E. #54805

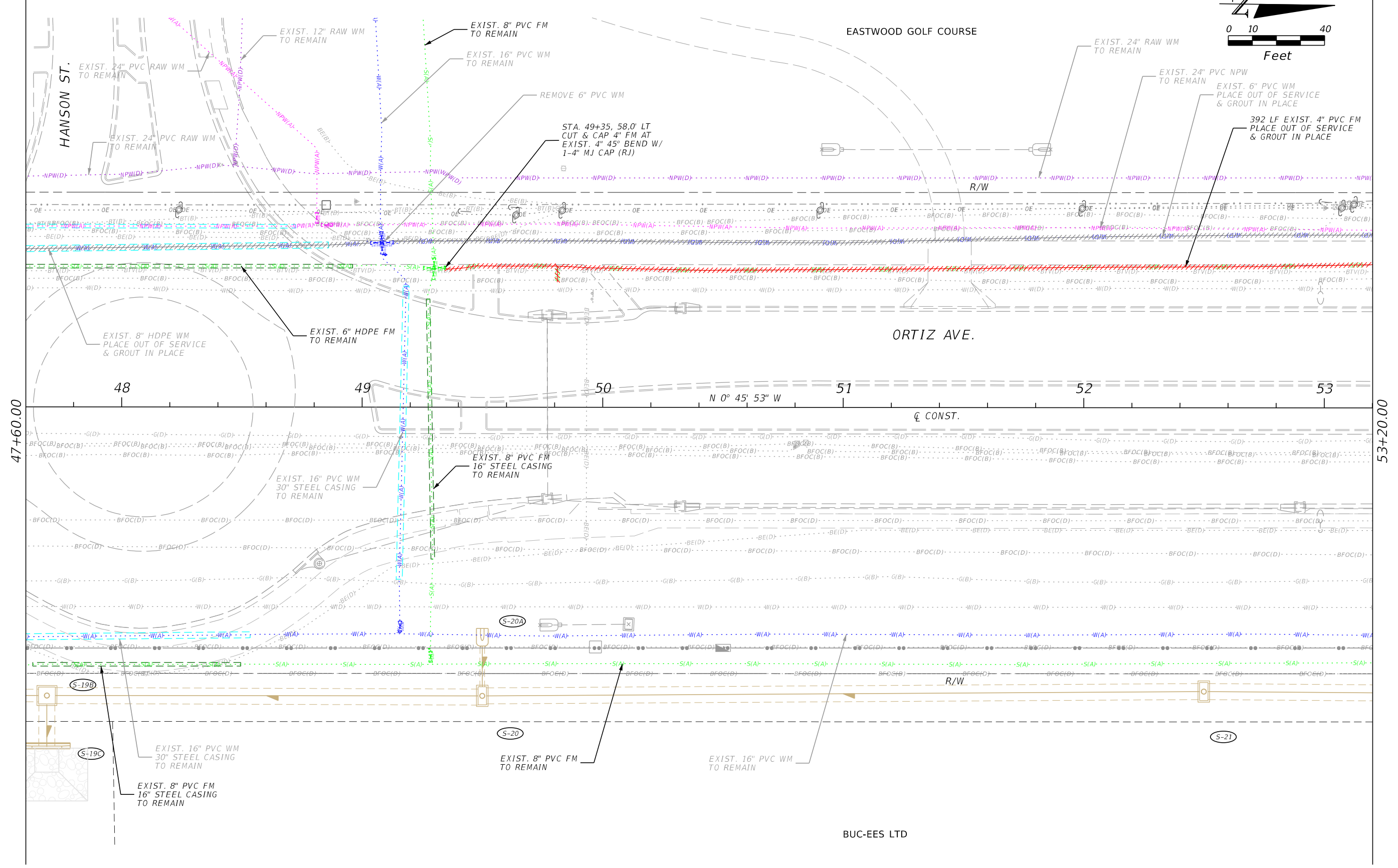
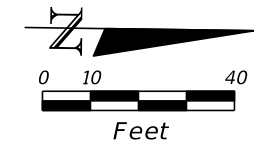
CITY OF FORT MYERS  
PUBLIC WORKS DEPARTMENT

ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

UTILITY PLAN  
FORCE MAIN

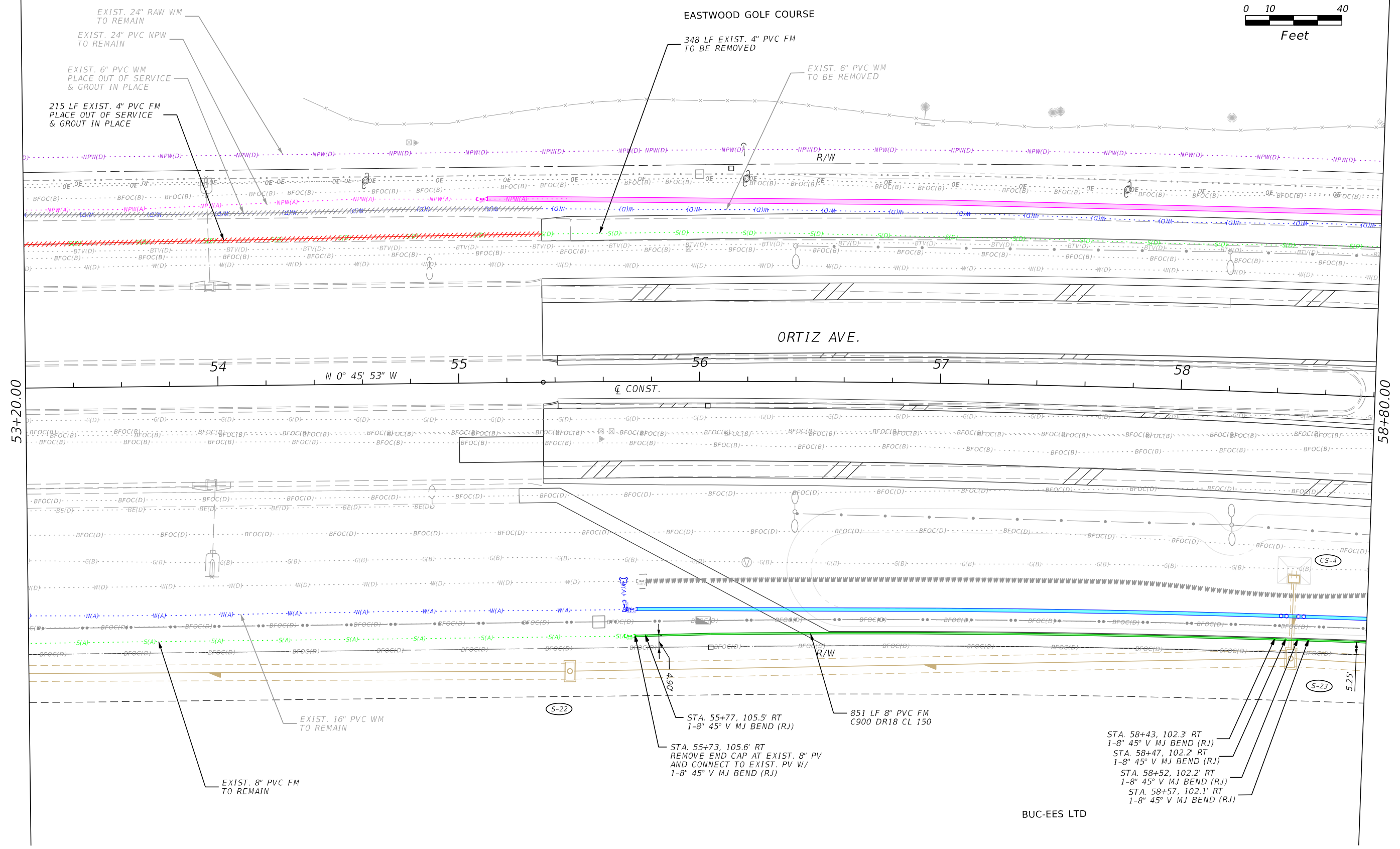
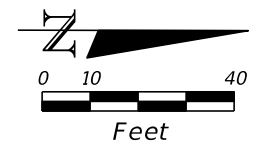
SHEET NO.  
U-19

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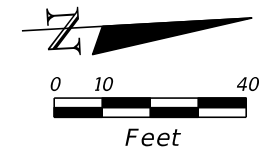
REVISIONS				Stantec 1821 Victoria Avenue Fort Myers, FL 33901 Ph. 239-337-3330 Kristina Connolly, P.E. #54805	CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT			<b>UTILITY PLAN</b>  <b>FORCE MAIN</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NAME	COUNTY	PROJECT NO.		
						ORTIZ AVE.	LEE		20-0055

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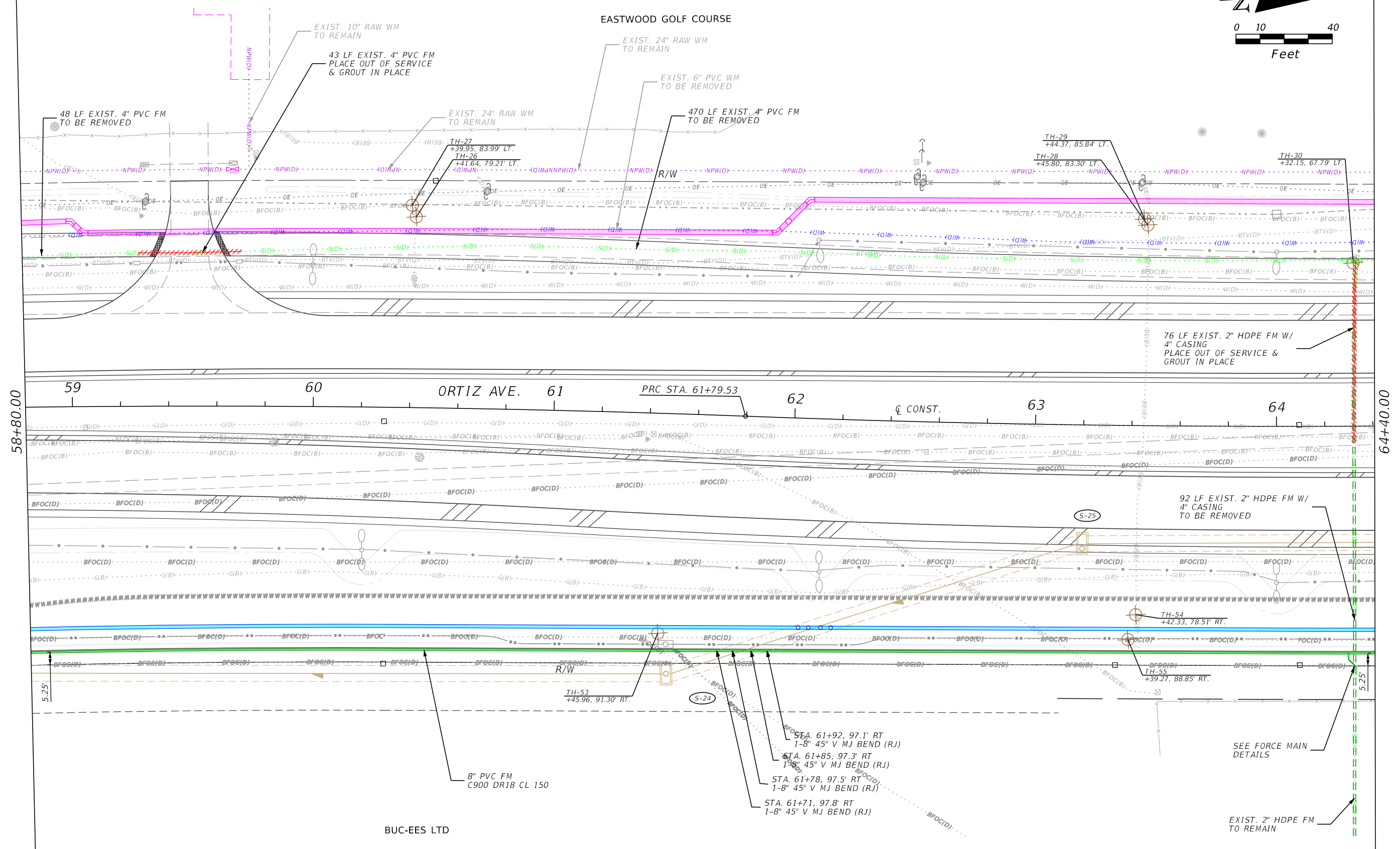


REVISIONS				Stantec 1821 Victoria Avenue Fort Myers, FL 33901 Ph. 239-337-3330 Kristina Connelly, P.E. #54805	CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT			<b>UTILITY PLAN</b> <b>FORCE MAIN</b>	SHEET NO. <b>U-21</b>
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NAME	COUNTY	PROJECT NO.		
						ORTIZ AVE.	LEE		20-0055

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EASTWOOD GOLF COURSE



58+80.00

64+40.00

BUC-EES LTD

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connelly, P.E. #54805

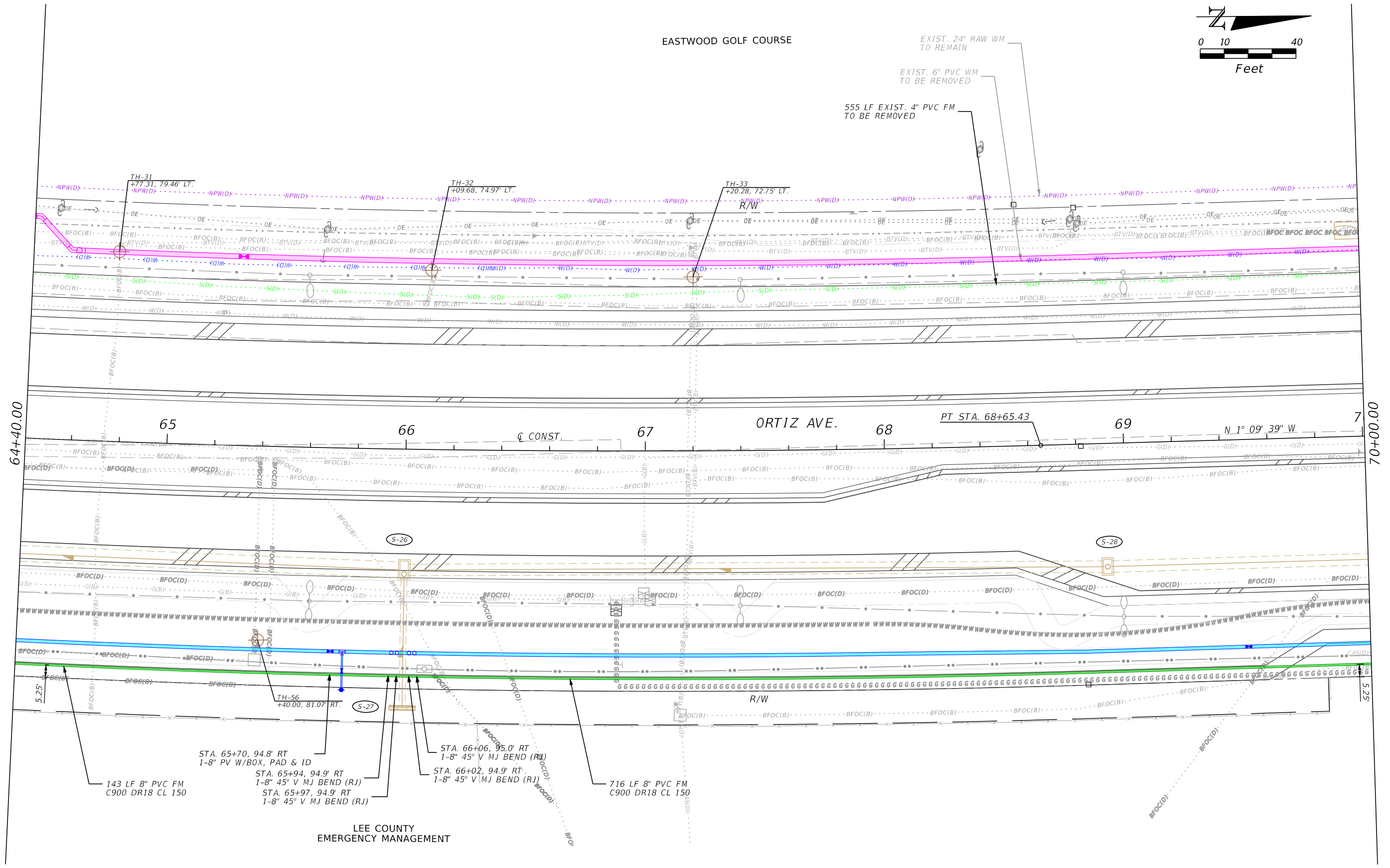
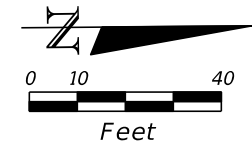
CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PLAN  
FORCE MAIN**

SHEET NO.  
U-22

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EASTWOOD GOLF COURSE



TH-31 +77.31, 79.46' LT.  
 TH-32 +09.68, 74.97' LT.  
 TH-33 +20.28, 72.75' LT.

64+40.00 65 66 67 68 69 70+00.00  
 ORTIZ AVE. PT STA. 68+65.43  
 N 1° 09' 39" W

143 LF 8" PVC FM  
 C900 DR18 CL 150  
 STA. 65+70, 94.8' RT  
 1-8" PV W/BOX, PAD & ID  
 STA. 65+94, 94.9' RT  
 1-8" 45° V MJ BEND (RJ)  
 STA. 65+97, 94.9' RT  
 1-8" 45° V MJ BEND (RJ)  
 STA. 66+06, 95.0' RT  
 1-8" 45° V MJ BEND (RJ)  
 STA. 66+02, 94.9' RT  
 1-8" 45° V MJ BEND (RJ)  
 716 LF 8" PVC FM  
 C900 DR18 CL 150

LEE COUNTY  
 EMERGENCY MANAGEMENT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

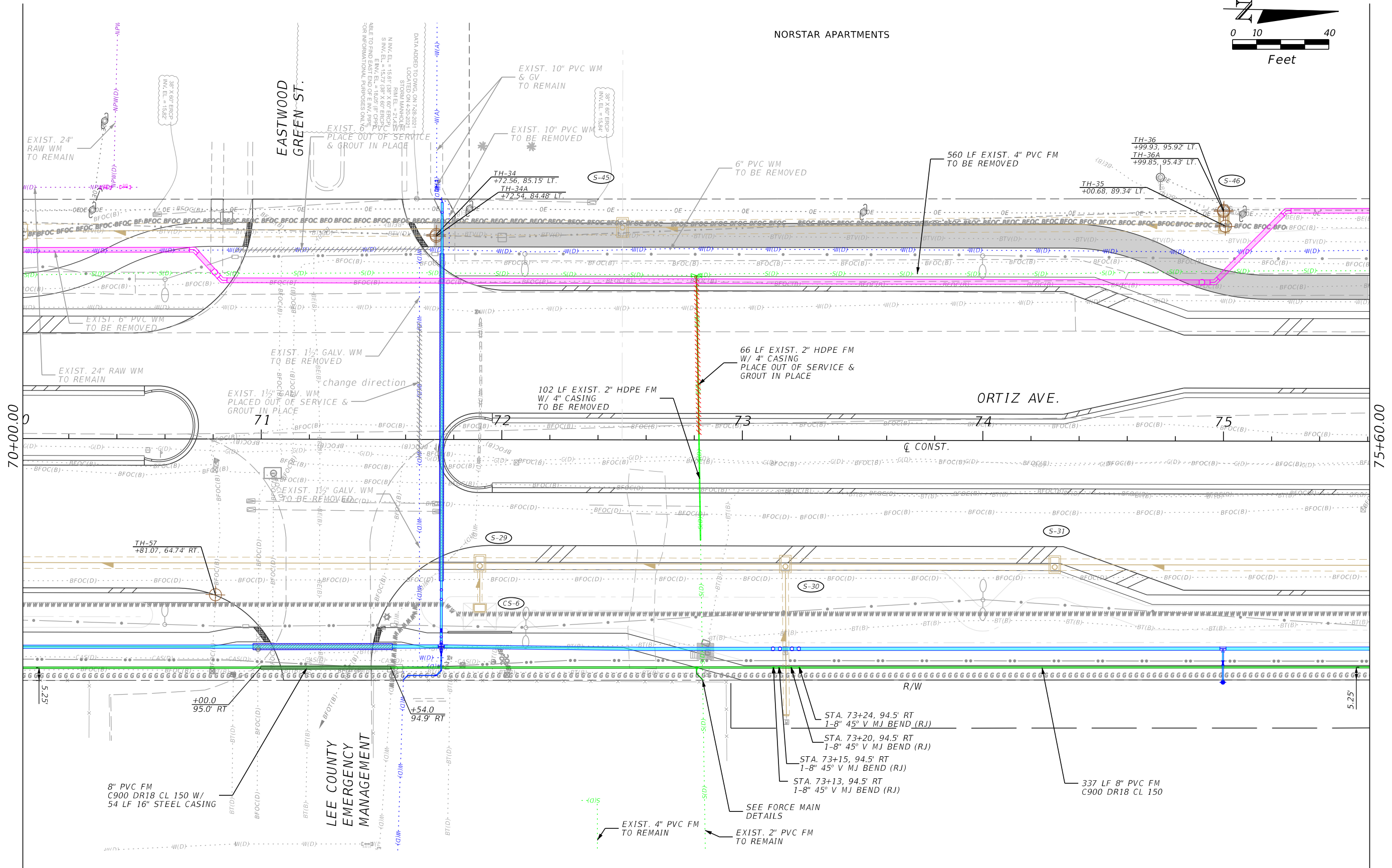
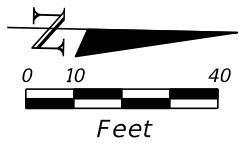
CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

UTILITY PLAN  
 FORCE MAIN

SHEET NO.  
 U-23

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NORSTAR APARTMENTS



LEE COUNTY  
EMERGENCY  
MANAGEMENT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connelly, P.E. #54805

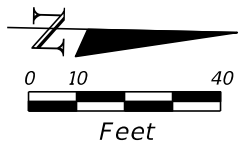
CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

UTILITY PLAN  
FORCE MAIN

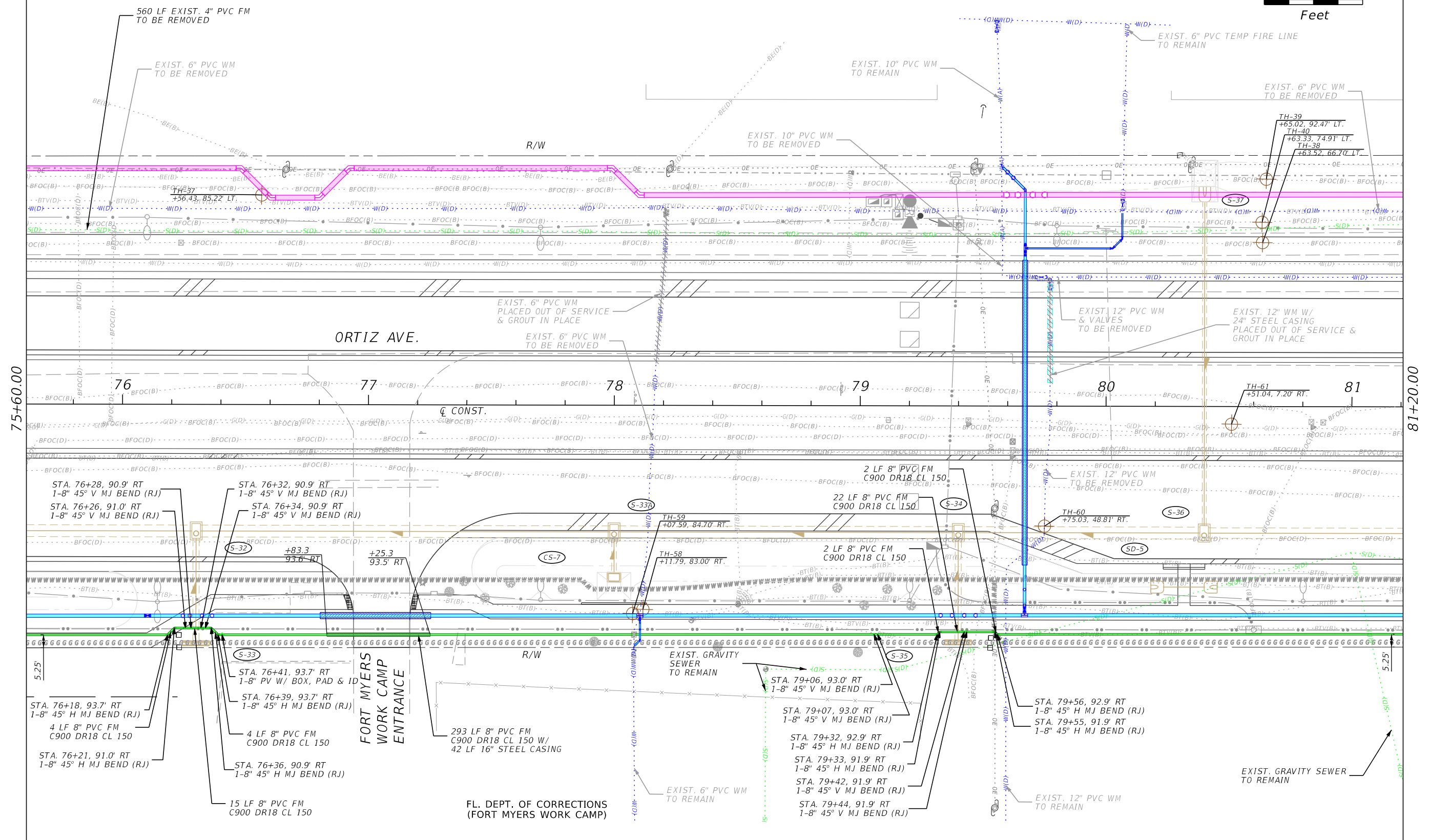
SHEET NO.  
U-24

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NORSTAR APARTMENTS



75+60.00

81+20.00

ORTIZ AVE.

FL. DEPT. OF CORRECTIONS  
(FORT MYERS WORK CAMP)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

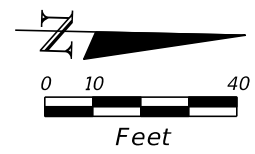
Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

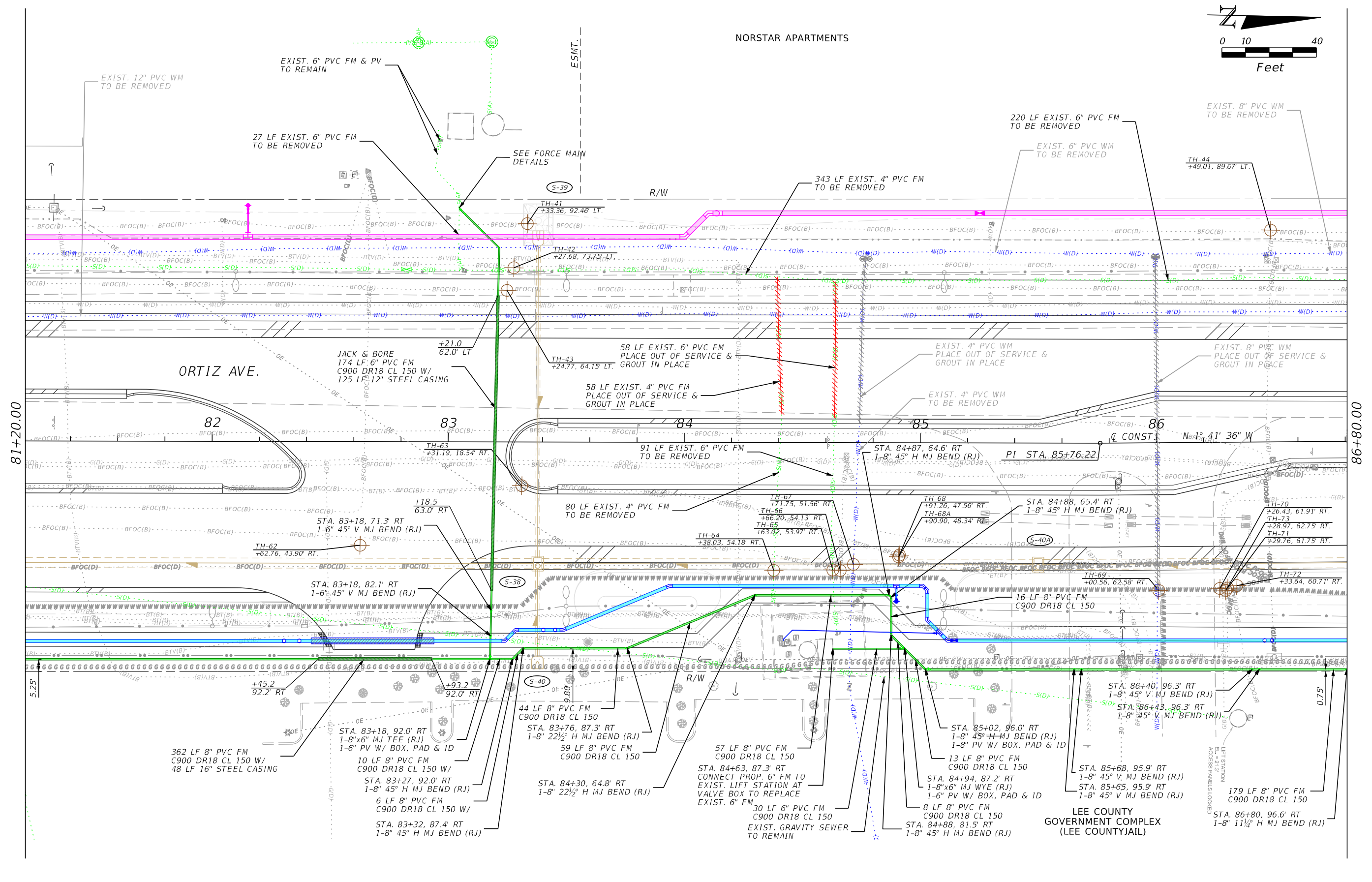
UTILITY PLAN  
FORCE MAIN

SHEET NO.  
U-25

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NORSTAR APARTMENTS



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

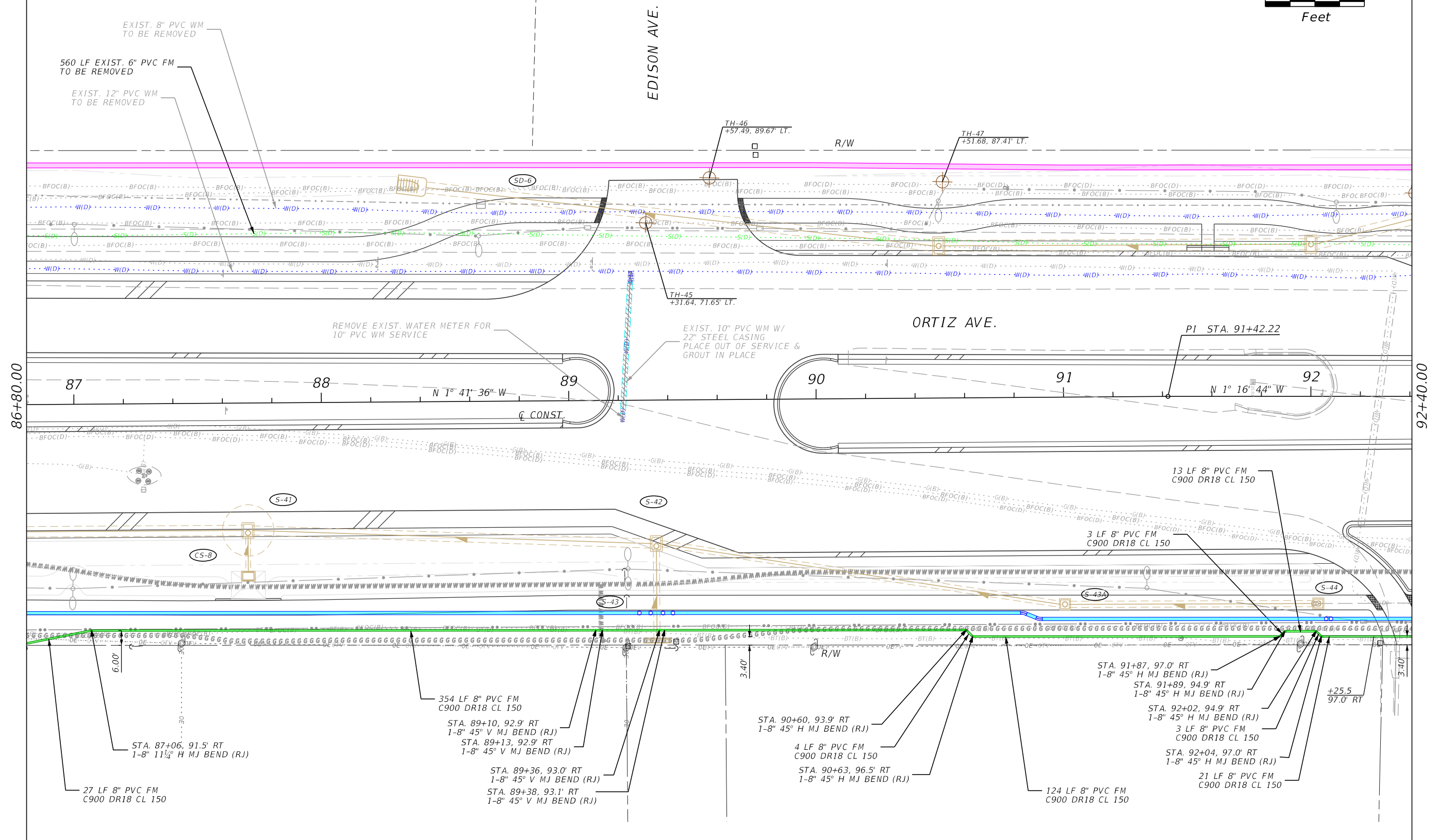
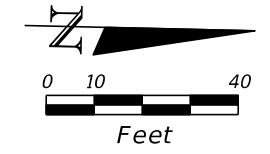
CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PLAN  
FORCE MAIN**

LEE COUNTY  
GOVERNMENT COMPLEX  
(LEE COUNTY JAIL)

SHEET NO.  
U-26

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



EXIST. 8" PVC WM TO BE REMOVED  
 560 LF EXIST. 6" PVC FM TO BE REMOVED  
 EXIST. 12" PVC WM TO BE REMOVED

EDISON AVE.

ORTIZ AVE.

86+80.00

92+40.00

87

88

89

90

91

92

N 1° 41' 36" W

N 1° 16' 44" W

CONST.

REMOVE EXIST. WATER METER FOR 10" PVC WM SERVICE

EXIST. 10" PVC WM W/ 22" STEEL CASING PLACE OUT OF SERVICE & GROUT IN PLACE

13 LF 8" PVC FM C900 DR18 CL 150

3 LF 8" PVC FM C900 DR18 CL 150

354 LF 8" PVC FM C900 DR18 CL 150

4 LF 8" PVC FM C900 DR18 CL 150

124 LF 8" PVC FM C900 DR18 CL 150

STA. 87+06, 91.5' RT 1-8" 11 1/2° H MJ BEND (RJ)

STA. 89+10, 92.9' RT 1-8" 45° V MJ BEND (RJ)  
 STA. 89+13, 92.9' RT 1-8" 45° V MJ BEND (RJ)

STA. 89+36, 93.0' RT 1-8" 45° V MJ BEND (RJ)  
 STA. 89+38, 93.1' RT 1-8" 45° V MJ BEND (RJ)

STA. 90+60, 93.9' RT 1-8" 45° H MJ BEND (RJ)  
 STA. 90+63, 96.5' RT 1-8" 45° H MJ BEND (RJ)

STA. 91+87, 97.0' RT 1-8" 45° H MJ BEND (RJ)  
 STA. 91+89, 94.9' RT 1-8" 45° H MJ BEND (RJ)  
 STA. 92+02, 94.9' RT 1-8" 45° H MJ BEND (RJ)  
 STA. 92+04, 97.0' RT 1-8" 45° H MJ BEND (RJ)

+25.5 97.0' RT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

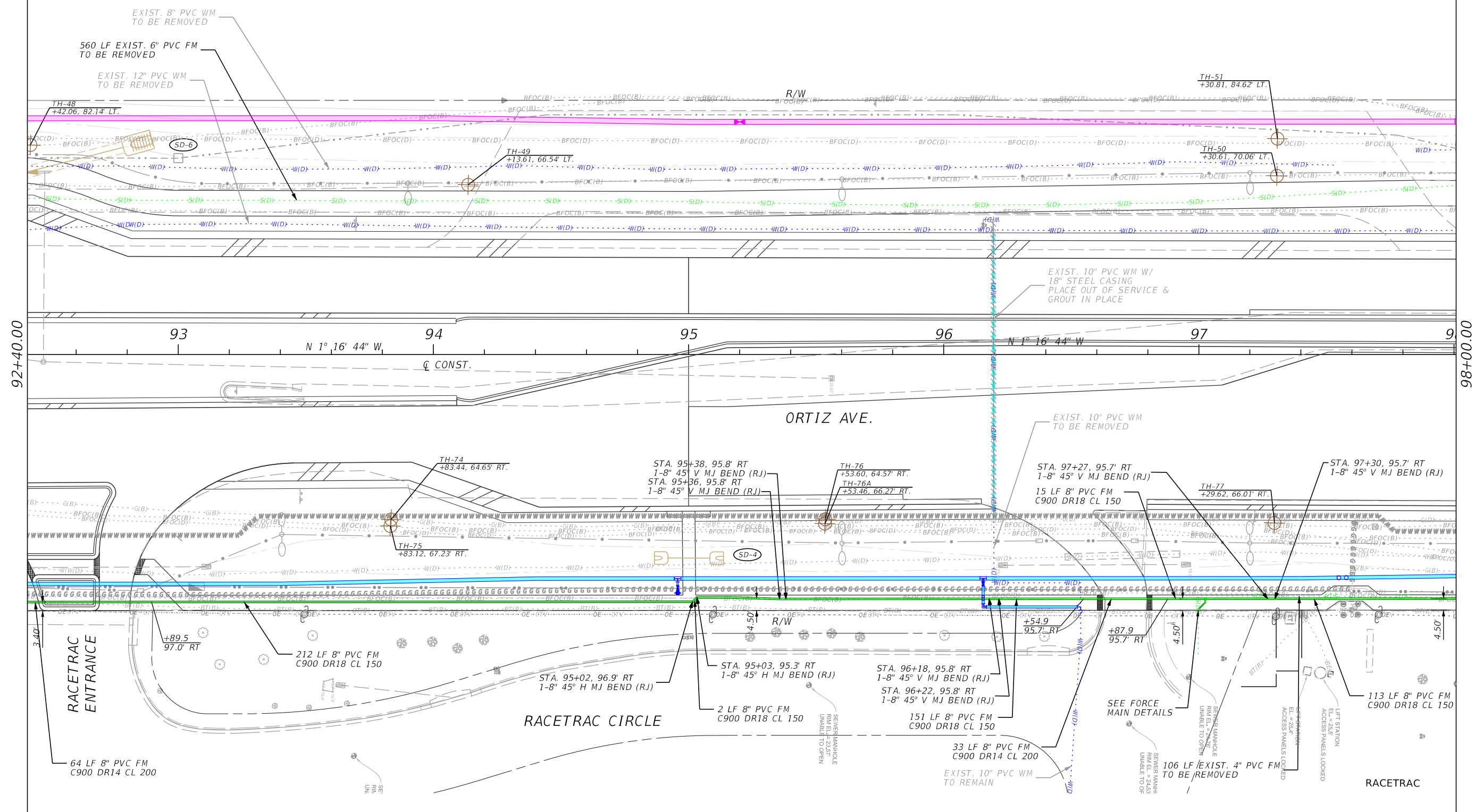
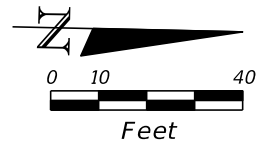
Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PLAN  
FORCE MAIN**

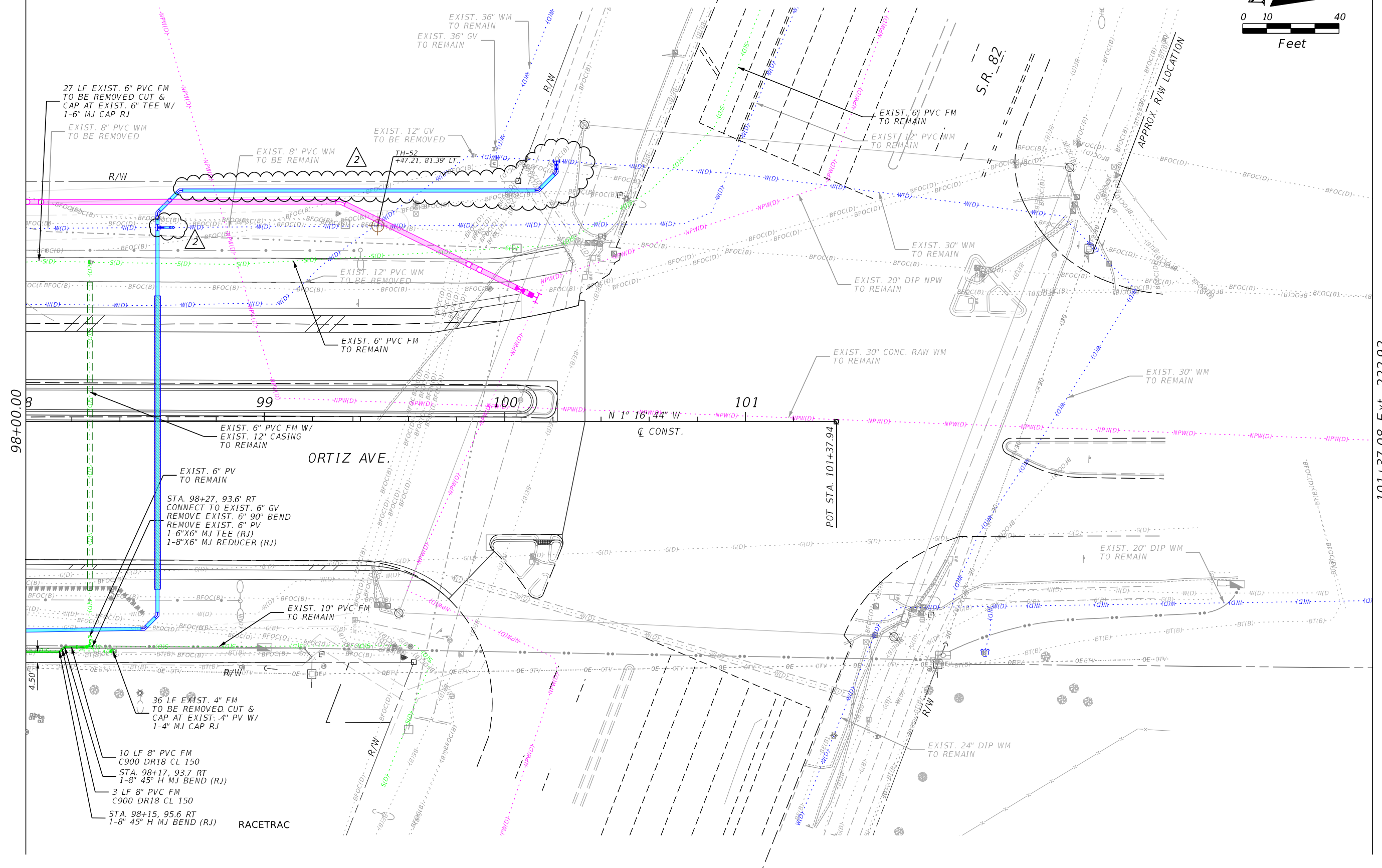
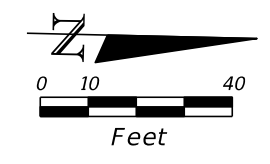
SHEET NO.  
U-27

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NAME	COUNTY	PROJECT NO.		
						ORTIZ AVE.	LEE		20-0055

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



98+00.00

101+37.08 Ext. 222.92

ORTIZ AVE.

RACETRAC

REVISIONS	
DATE	DESCRIPTION
8-17-22	ADDED REVISION CLOUD FOR WM CONNECTION FROM REV. 1
2	

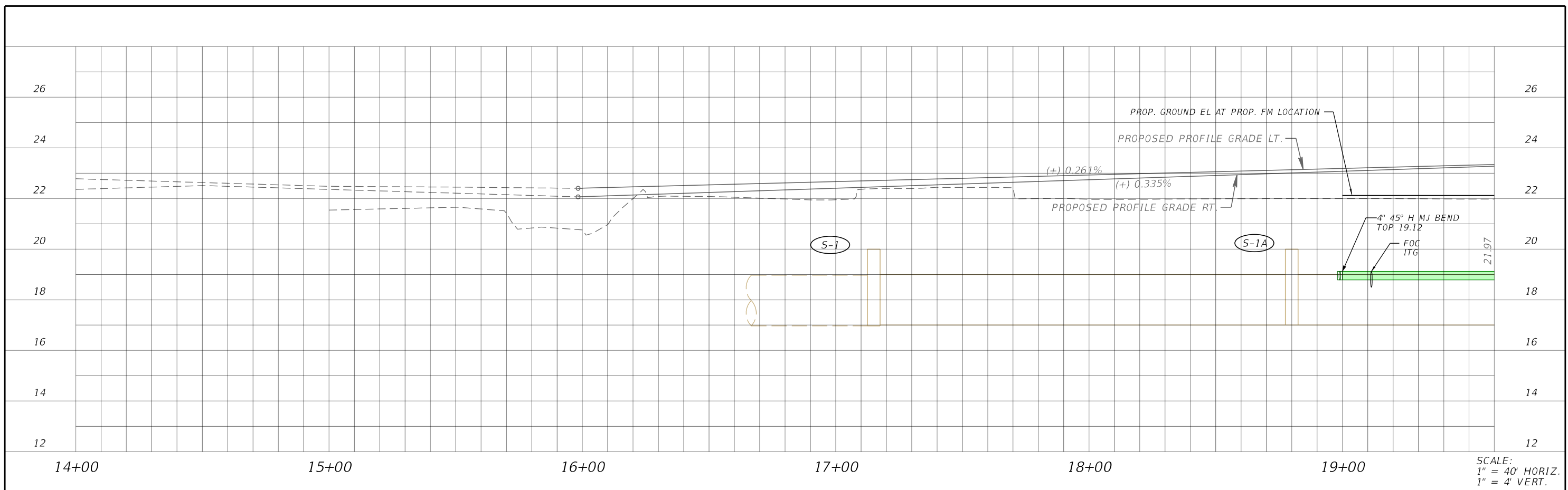
Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

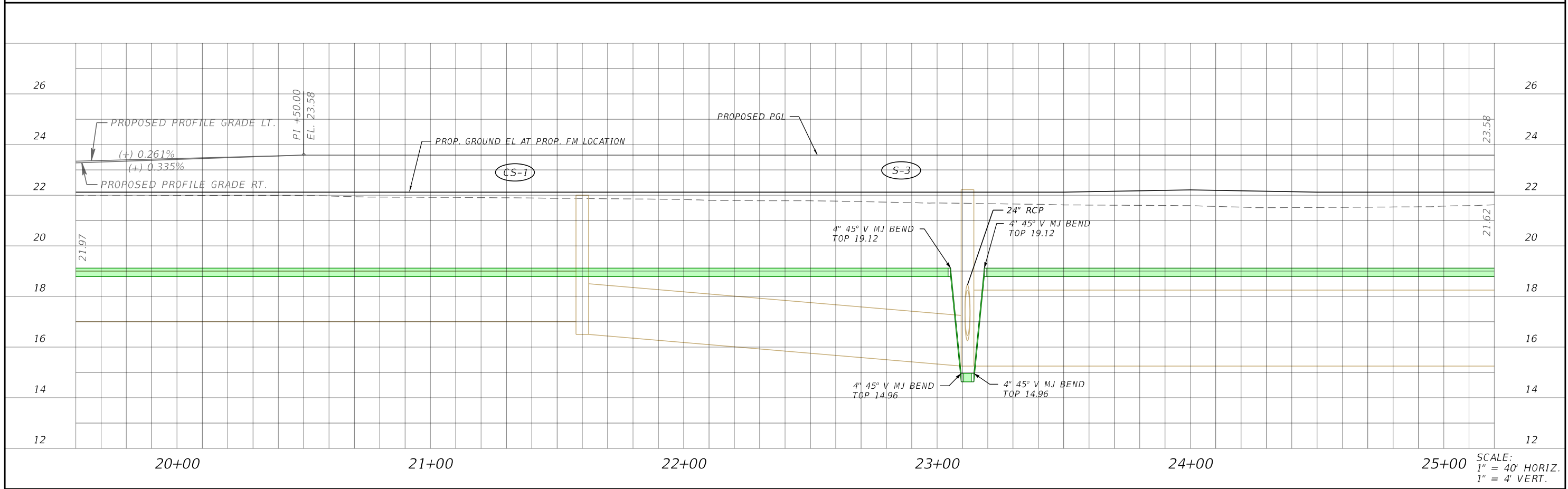
**UTILITY PLAN  
FORCE MAIN**

SHEET NO.  
U-29

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



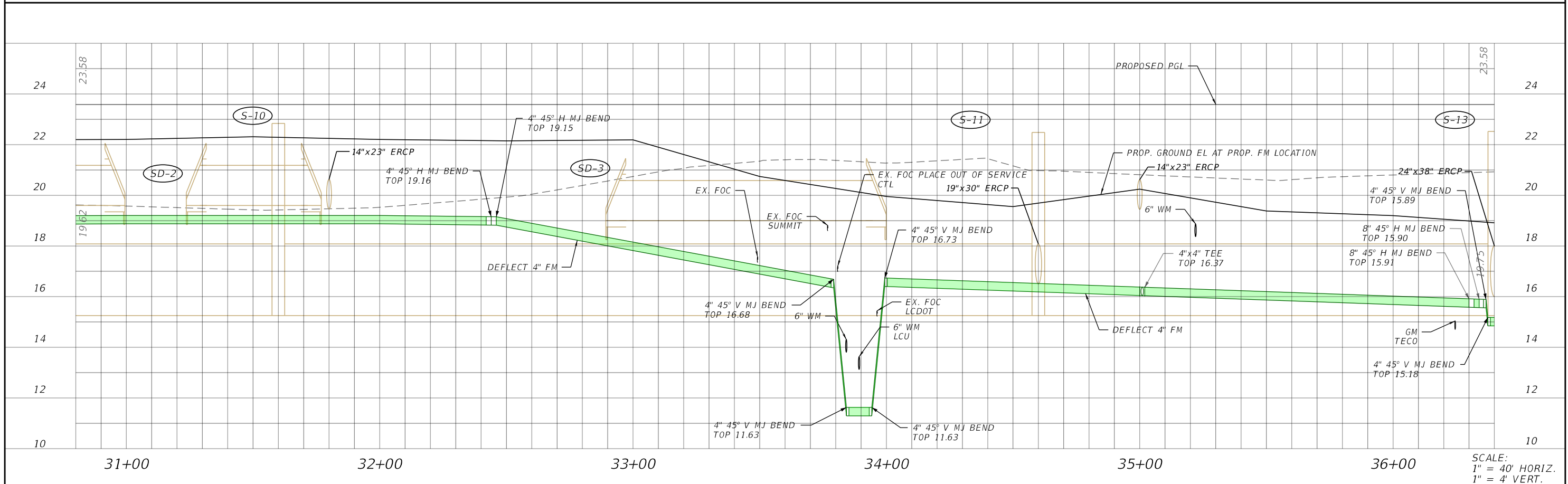
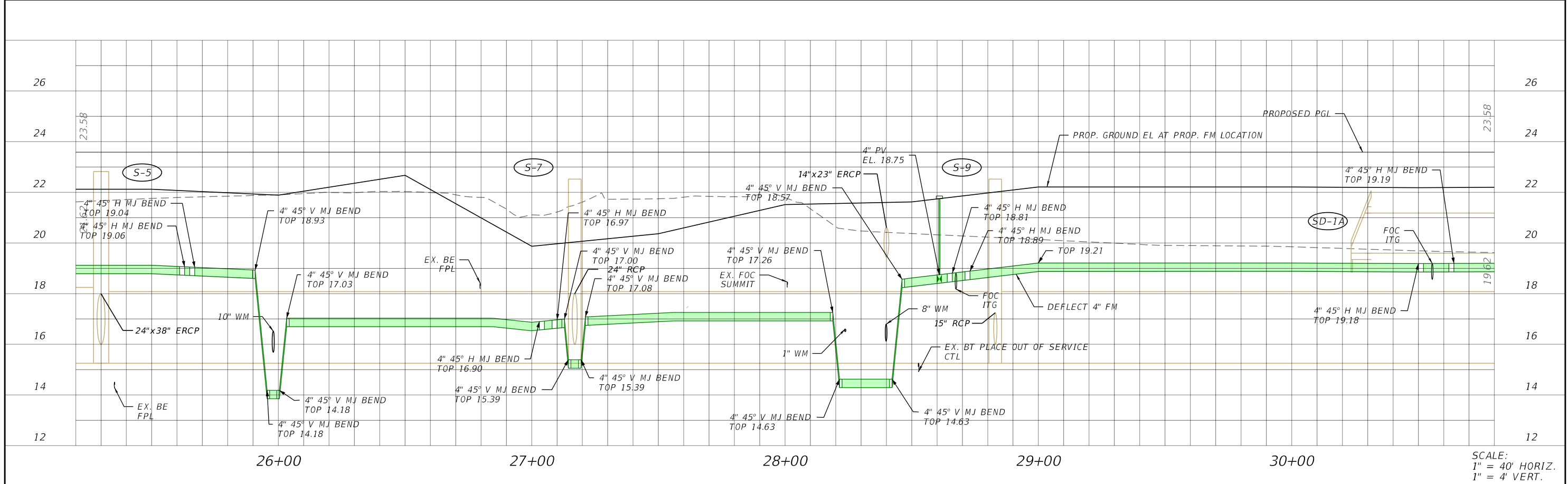
SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.



SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.

REVISIONS				Stantec 1821 Victoria Avenue Fort Myers, FL 33901 Ph. 239-337-3330 Kristina Connelly, P.E. #54805	CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT			<b>UTILITY PROFILE</b> <b>FORCE MAIN</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NAME	COUNTY	PROJECT NO.		
						ORTIZ AVE.	LEE		20-0055

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

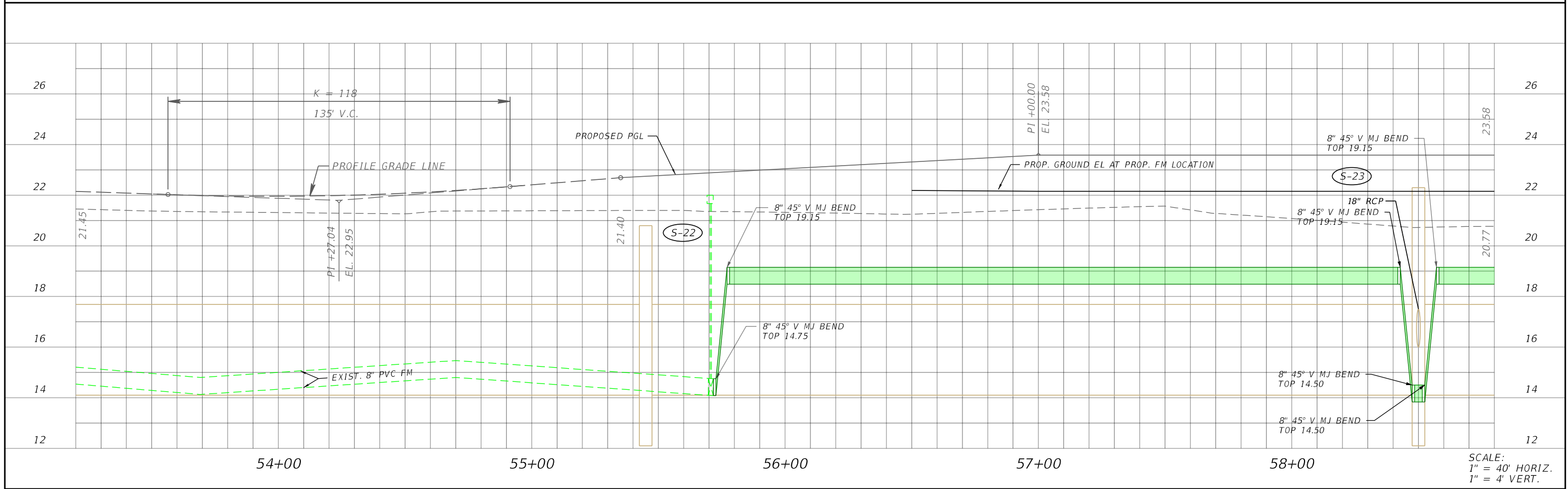
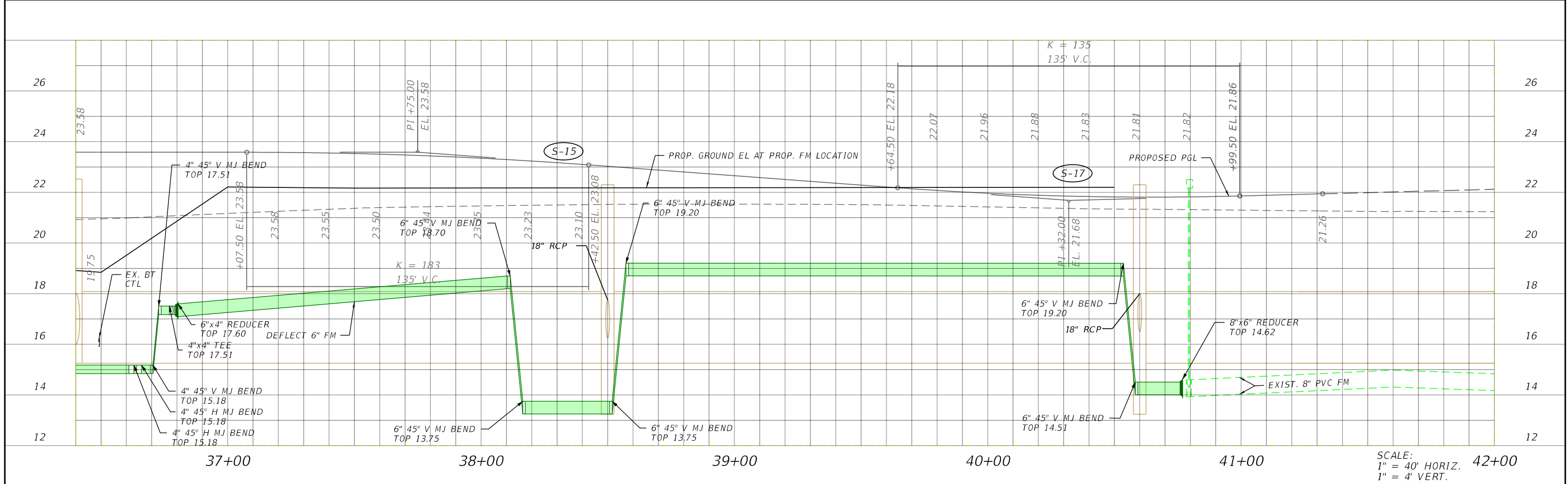
Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connolly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PROFILE  
FORCE MAIN**

SHEET NO.  
**U-31**

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

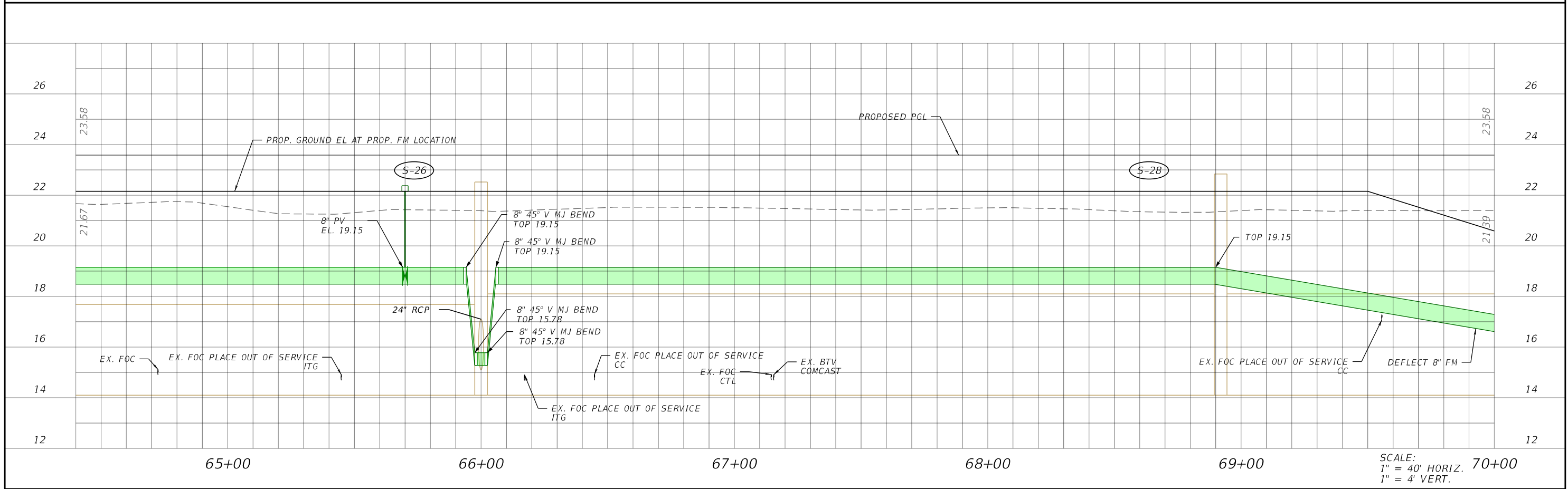
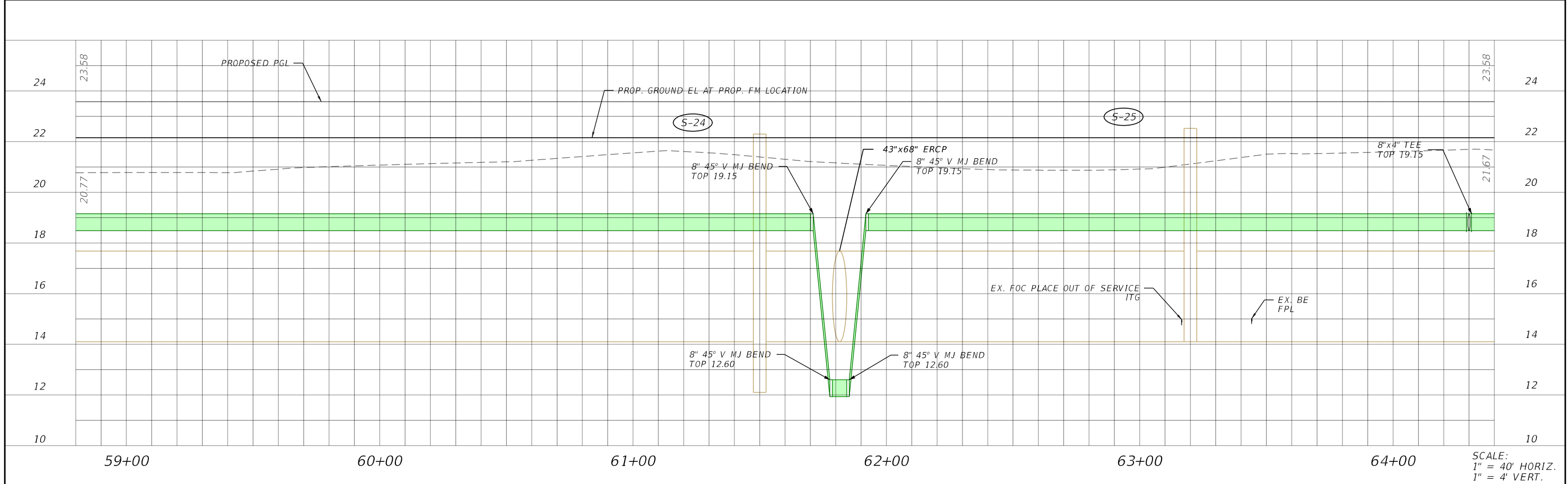
CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PROFILE**  
**FORCE MAIN**

SHEET NO.  
**U-32**

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

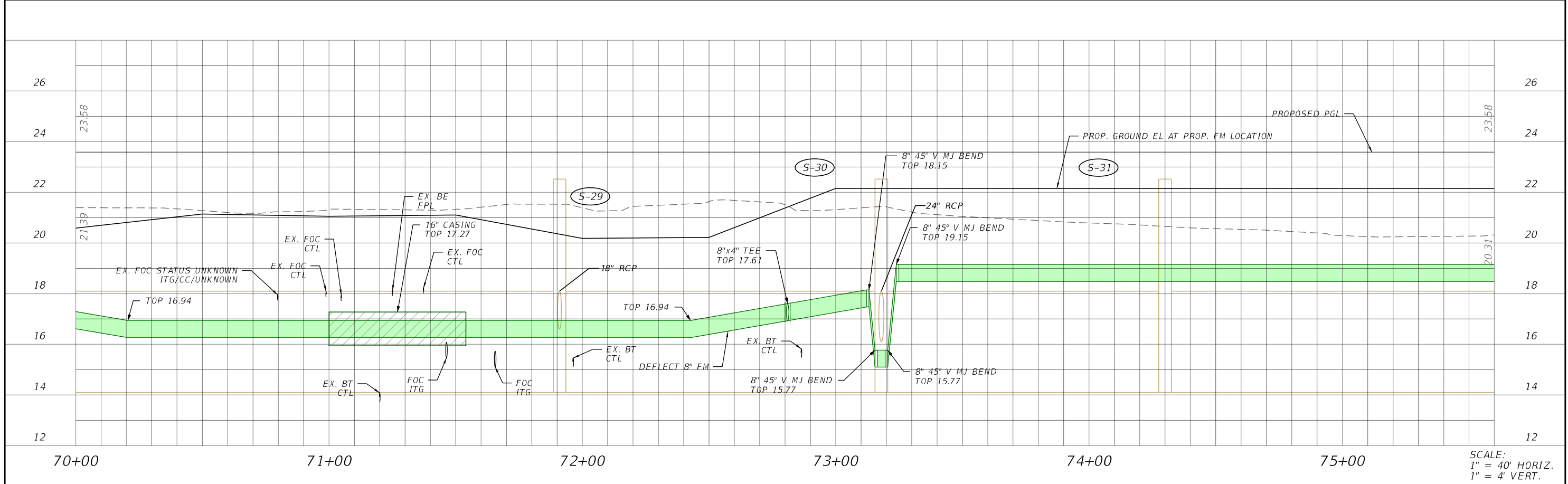
Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

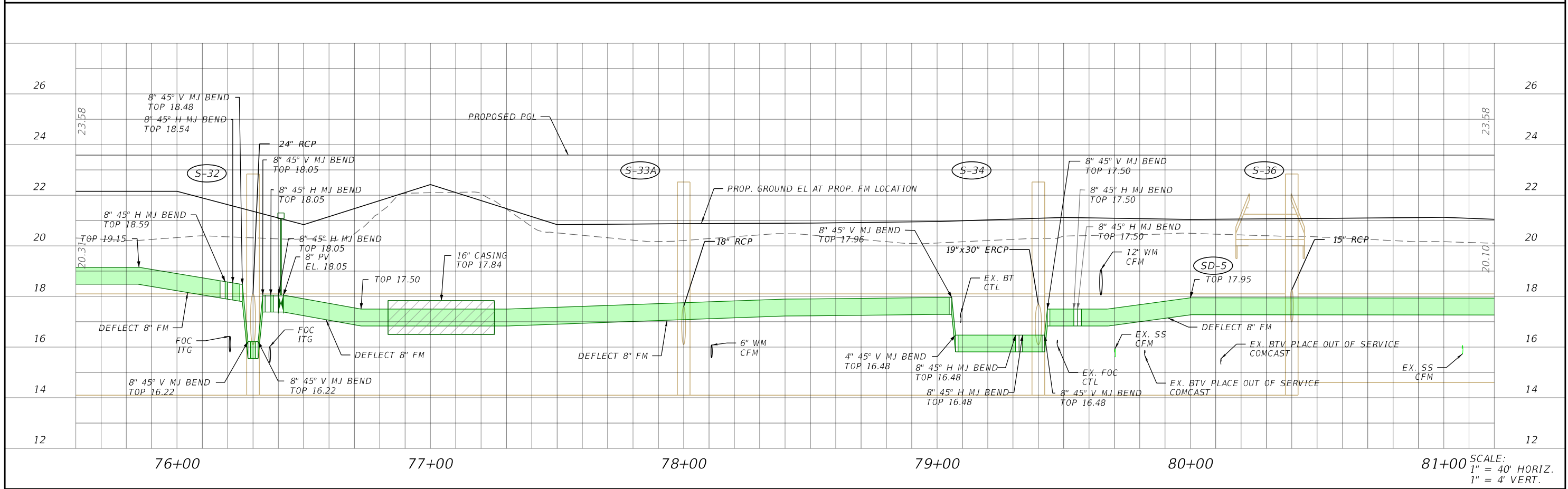
**UTILITY PROFILE**  
**FORCE MAIN**

SHEET NO.  
 U-33

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.



SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

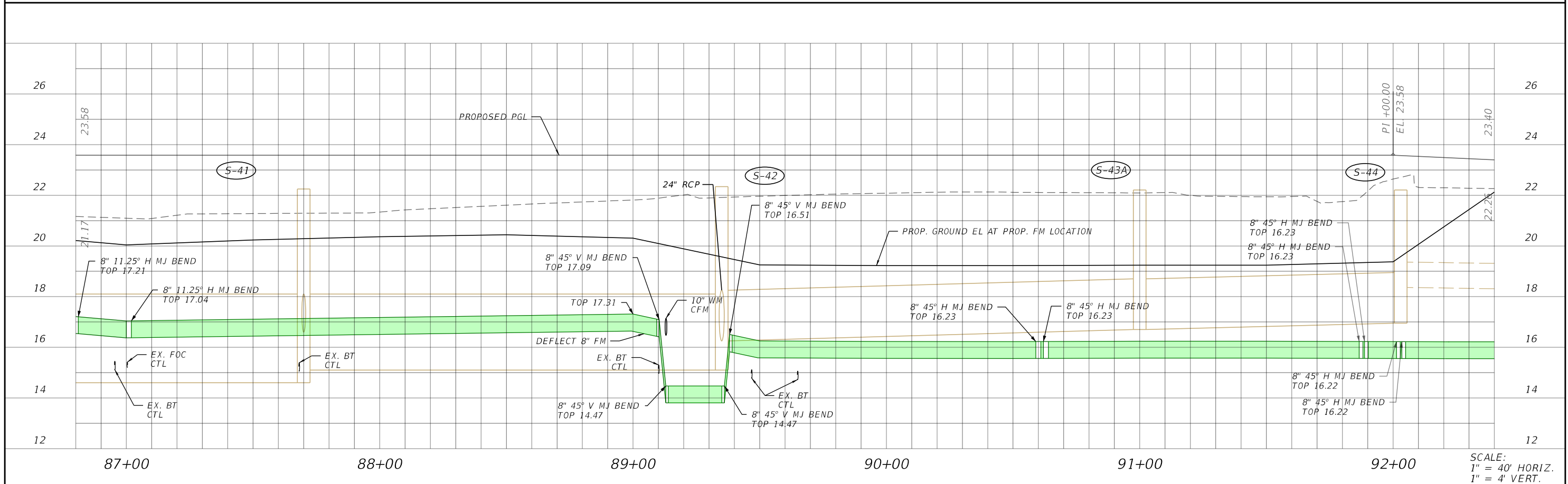
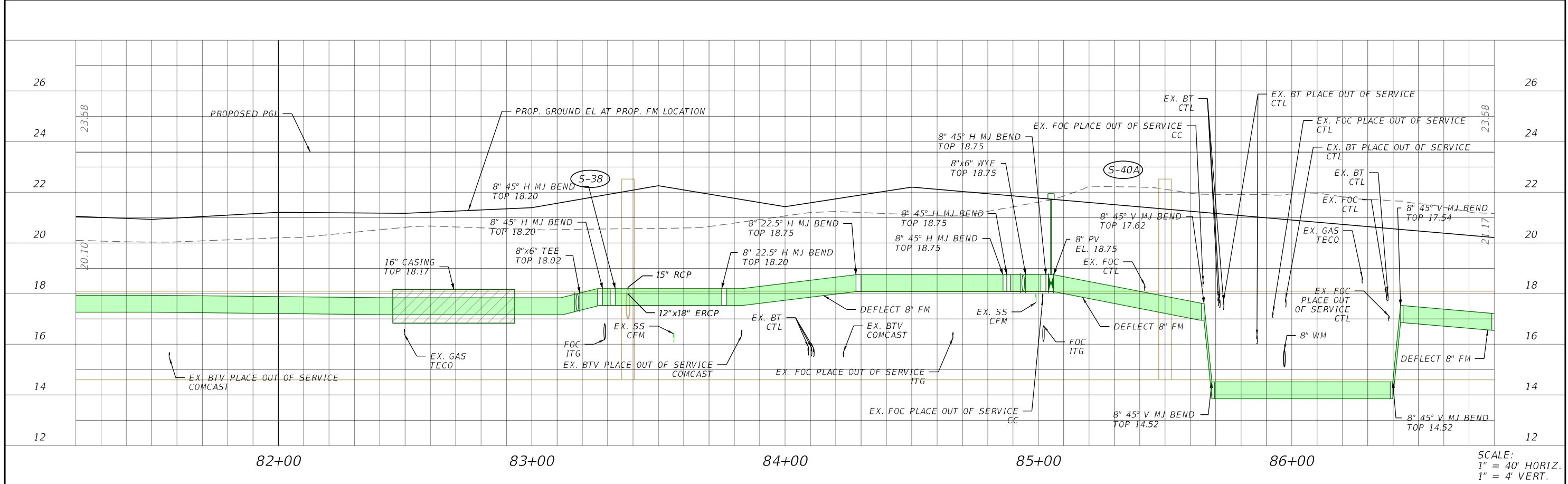
Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PROFILE**  
**FORCE MAIN**

SHEET NO.  
**U-34**

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

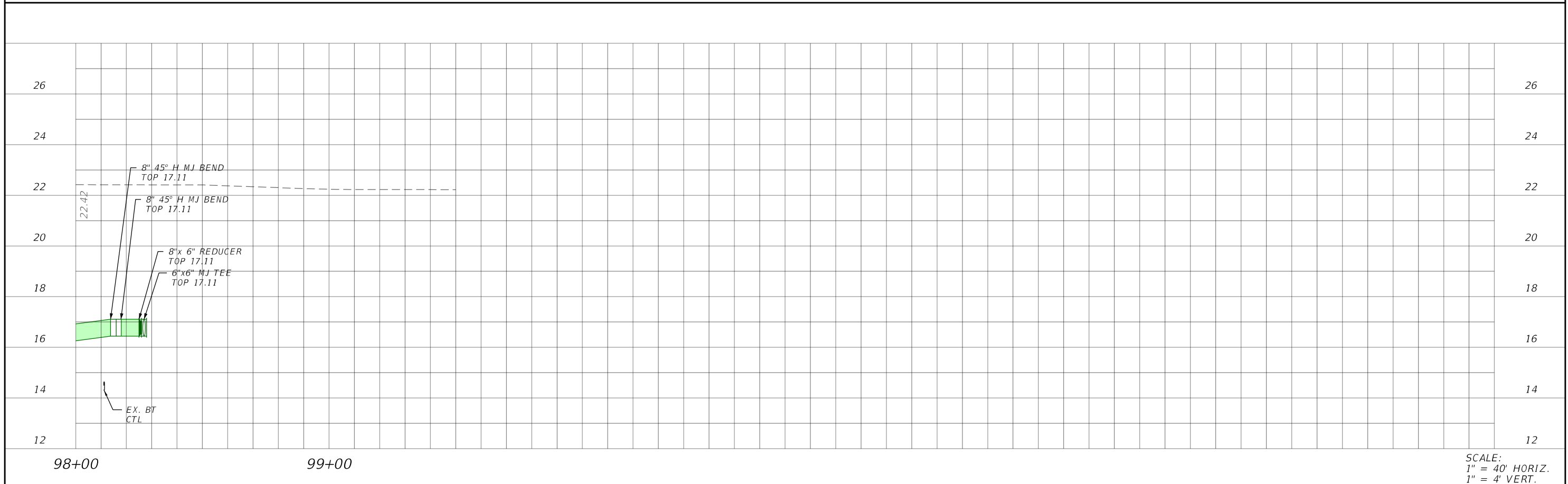
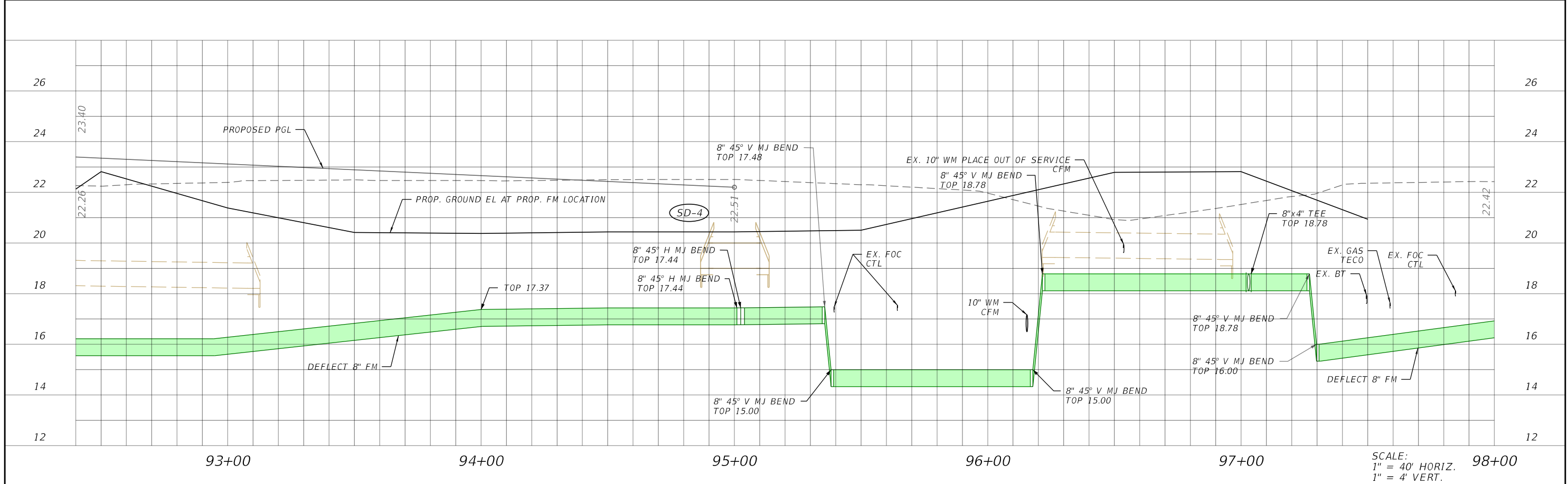
Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connolly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PROFILE  
FORCE MAIN**

SHEET NO.  
**U-35**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

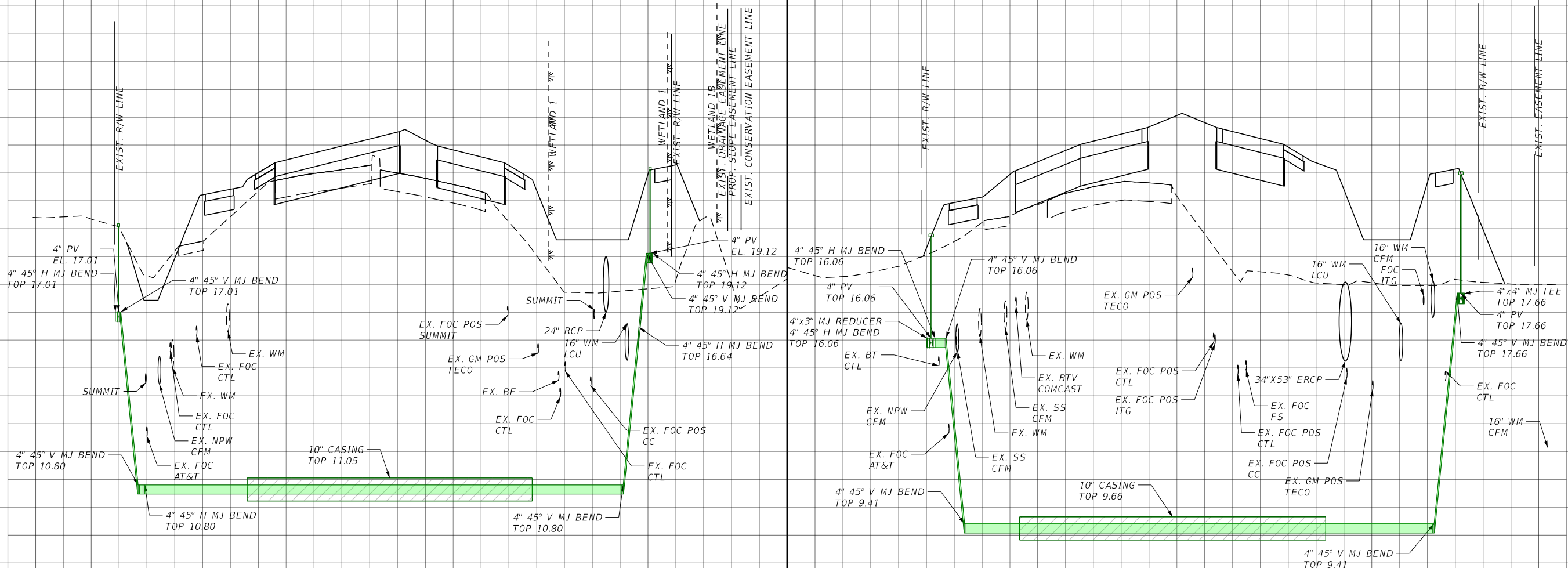


REVISIONS				Stantec 1821 Victoria Avenue Fort Myers, FL 33901 Ph. 239-337-3330 Kristina Connolly, P.E. #54805	CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT			<b>UTILITY PROFILE</b> <b>FORCE MAIN</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NAME	COUNTY	PROJECT NO.		
						ORTIZ AVE.	LEE		20-0055

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26  
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FORCE MAIN 19+10

FORCE MAIN 36+80

SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.

SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.

-120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120

-120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

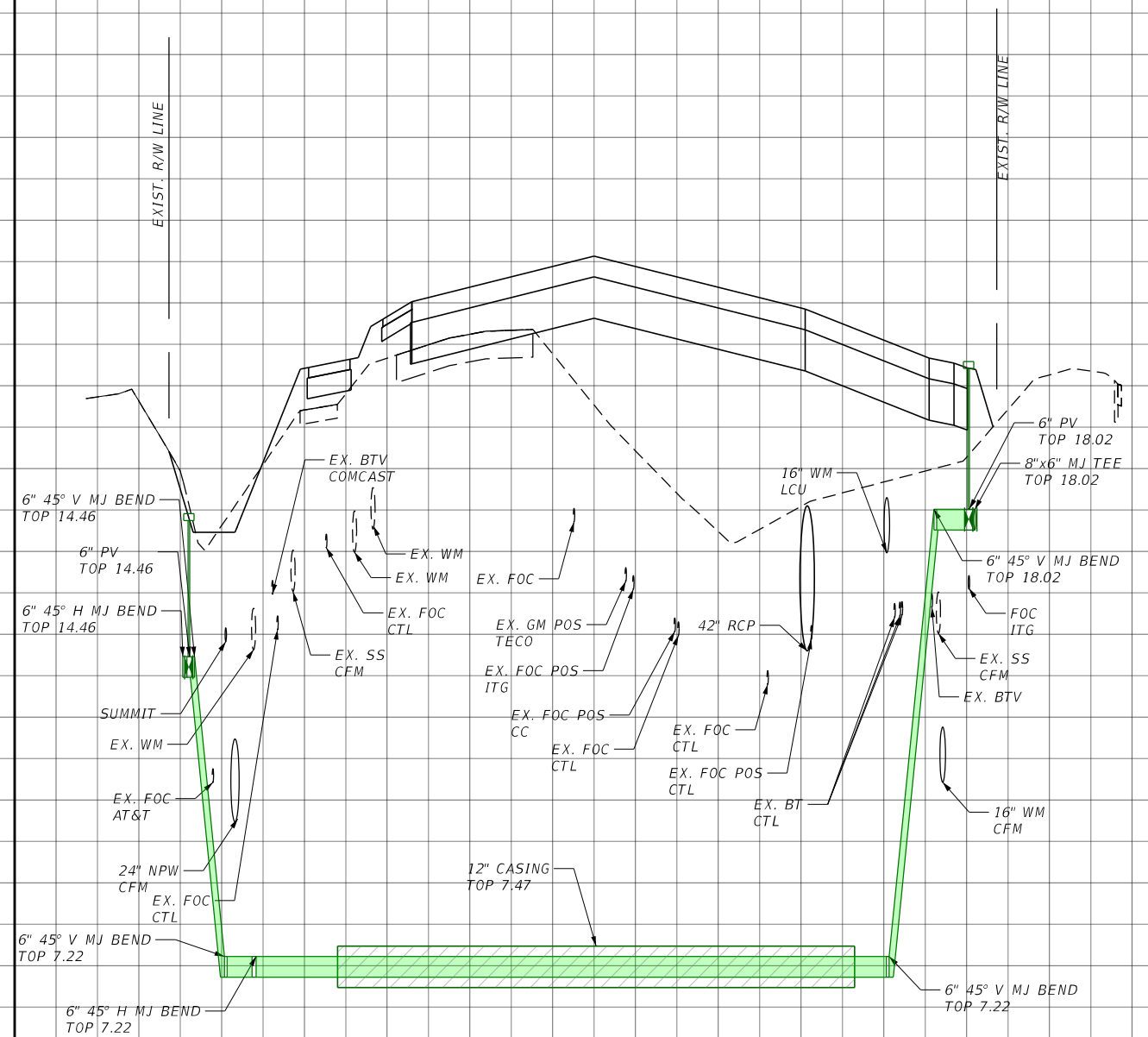
Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PROFILE**  
**FORCE MAIN**

SHEET NO.  
**U-37**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



FORCE MAIN 83+20

SCALE:  
 1" = 40' HORIZ.  
 1" = 4' VERT.

-120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

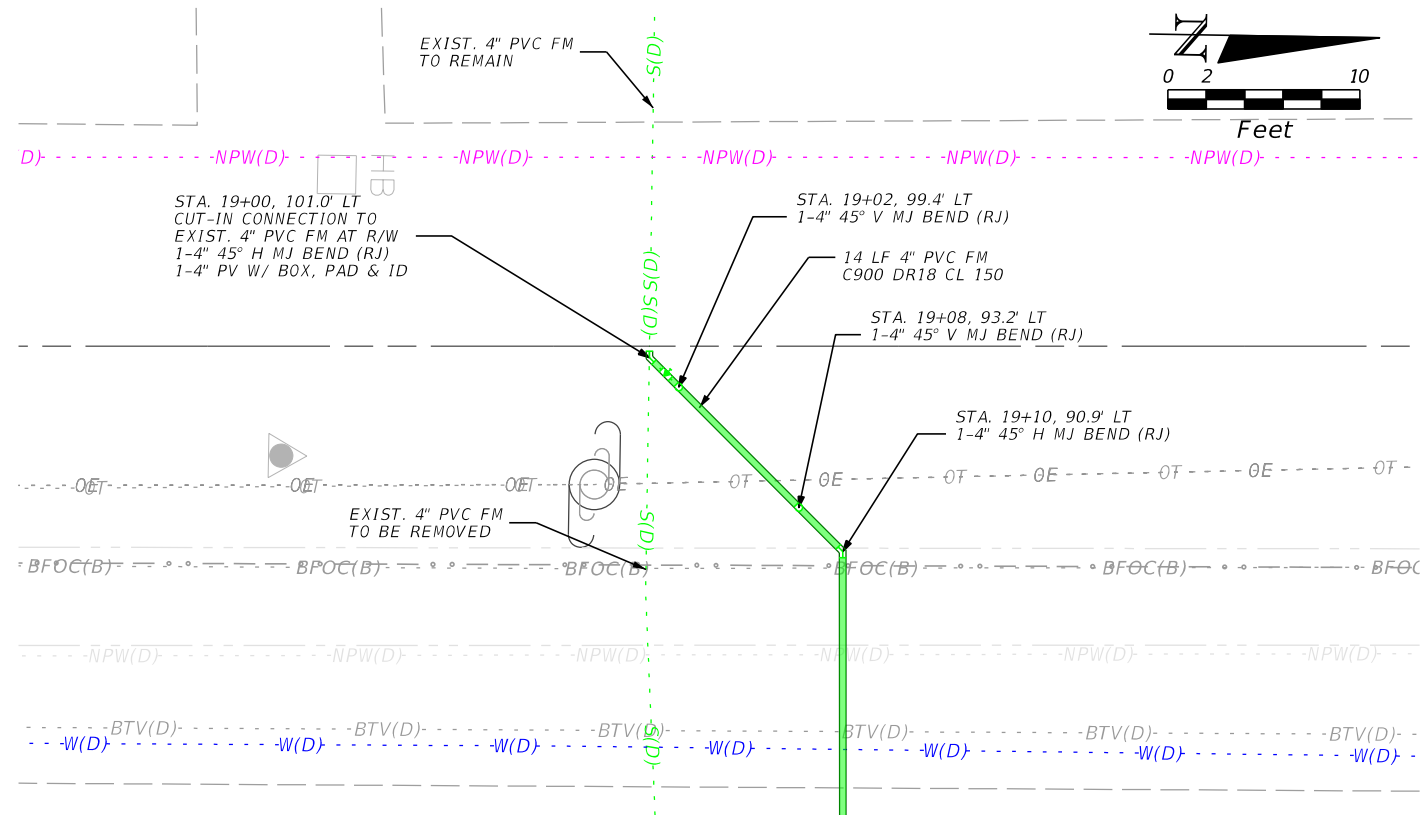
Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

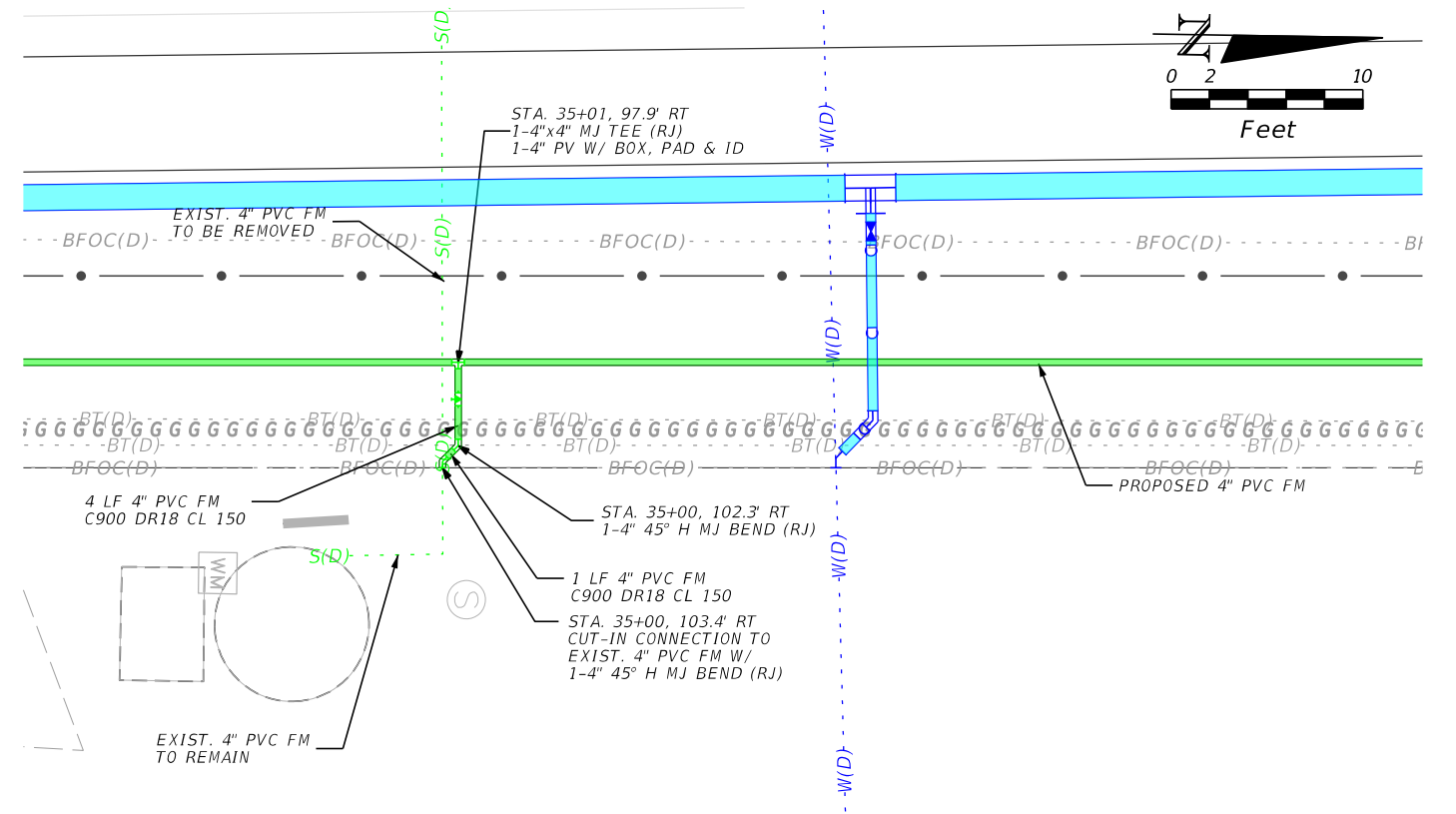
**UTILITY PROFILE**  
**FORCE MAIN**

SHEET NO.  
**U-38**

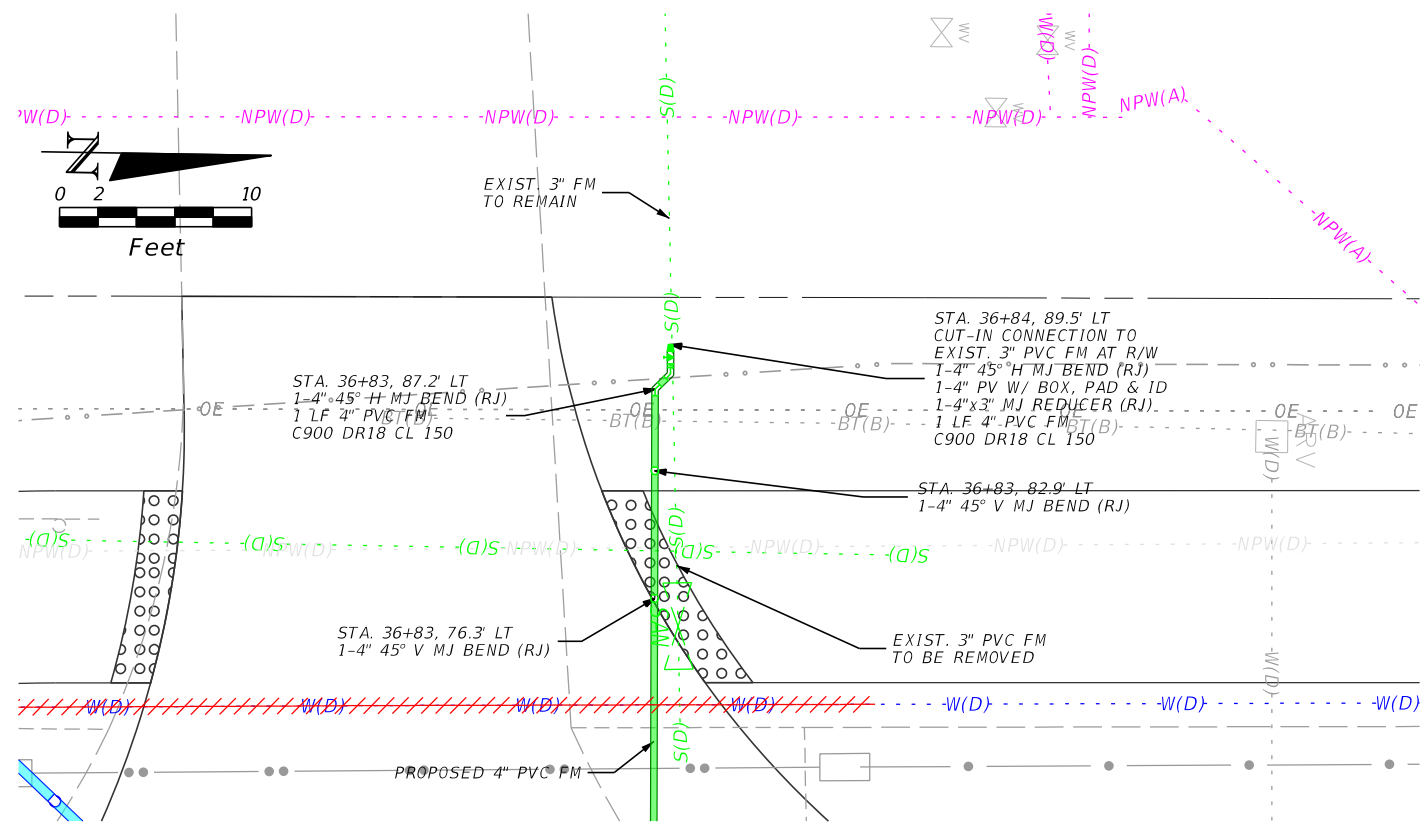
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



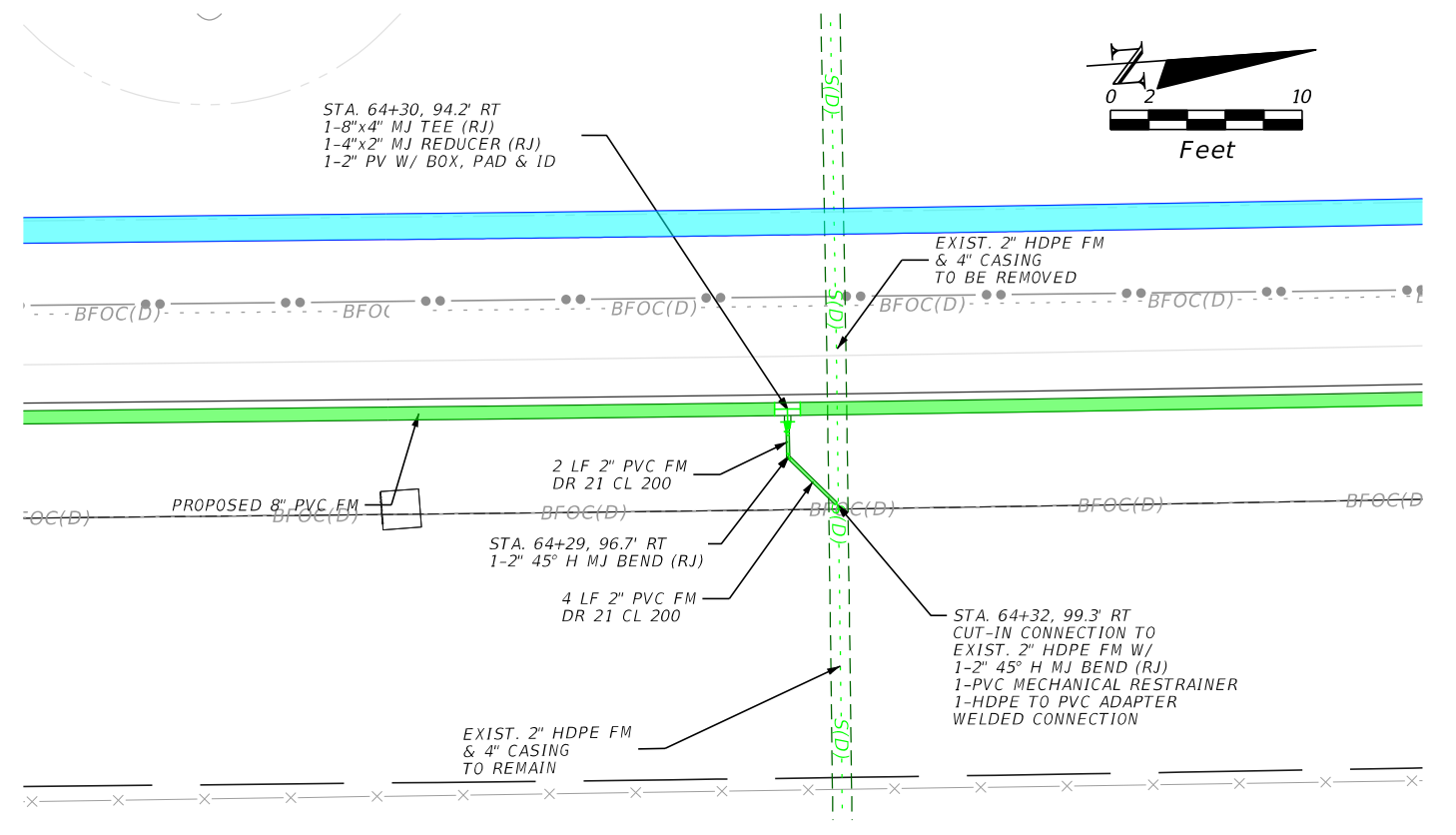
FORCE MAIN CONNECTION STA. 19+00



FORCE MAIN CONNECTION STA. 35+00



FORCE MAIN CONNECTION STA. 36+84



FORCE MAIN CONNECTION STA. 64+32

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

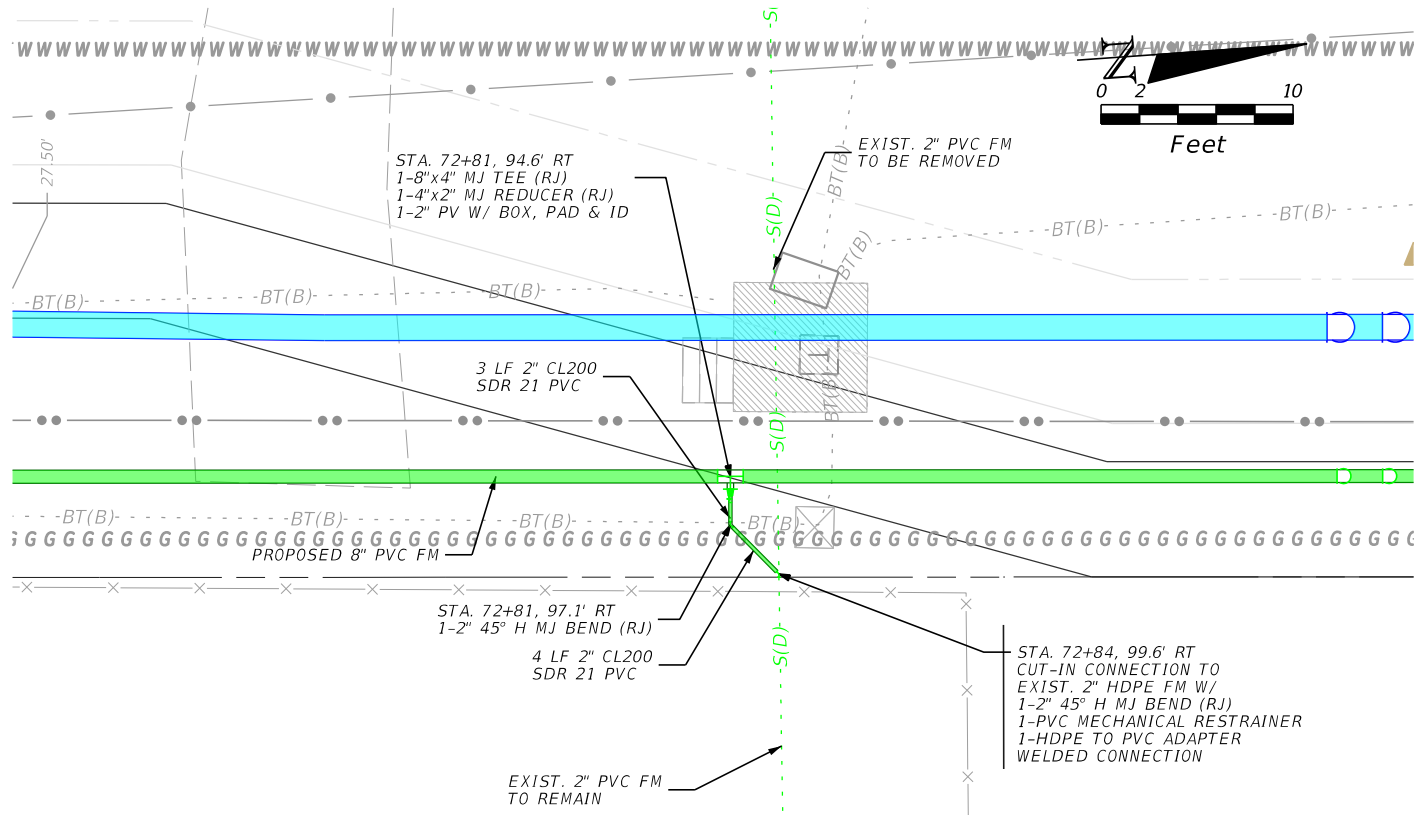
Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

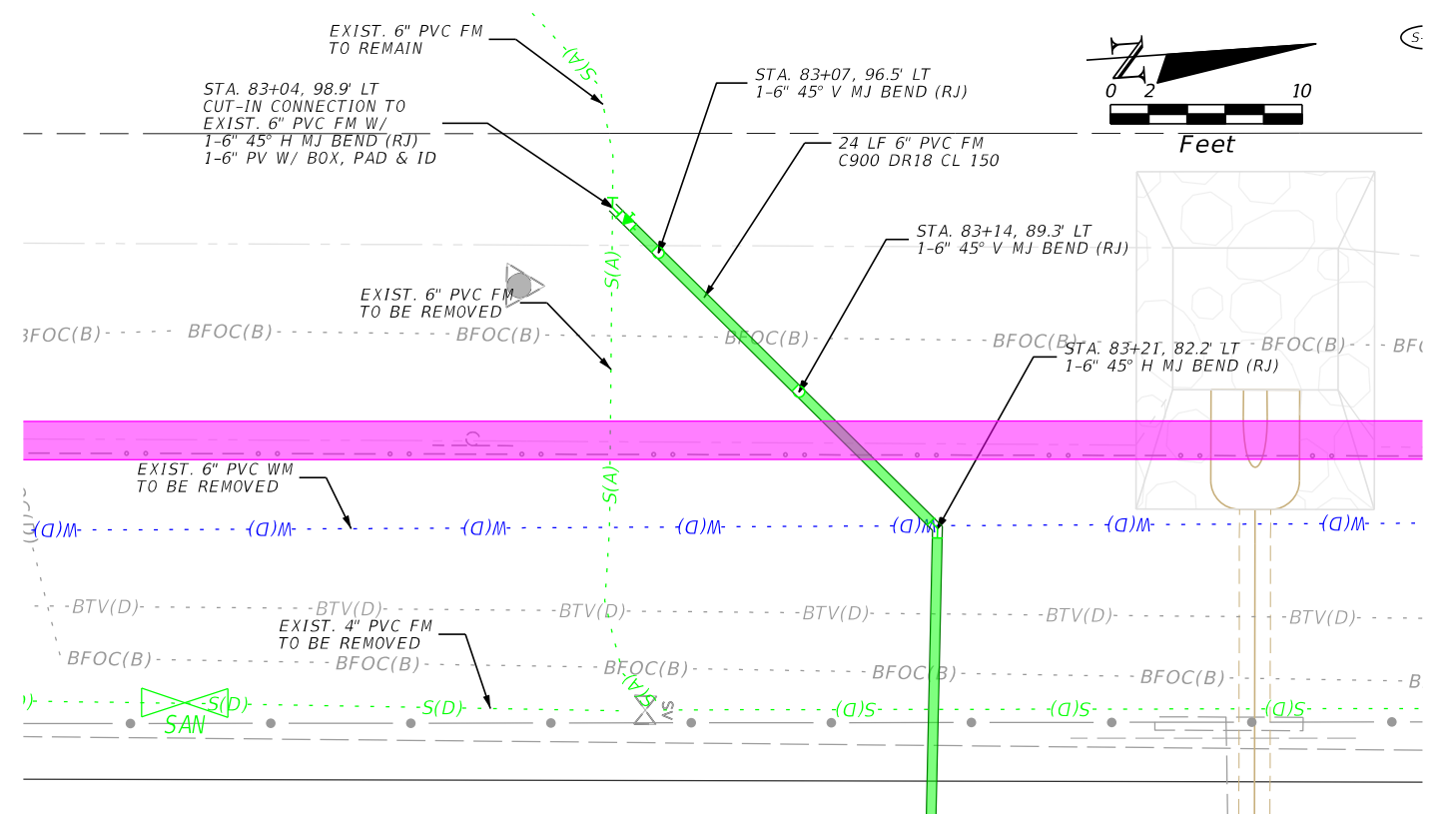
**UTILITY DETAILS**  
**FORCE MAIN**

SHEET NO.  
 U-39

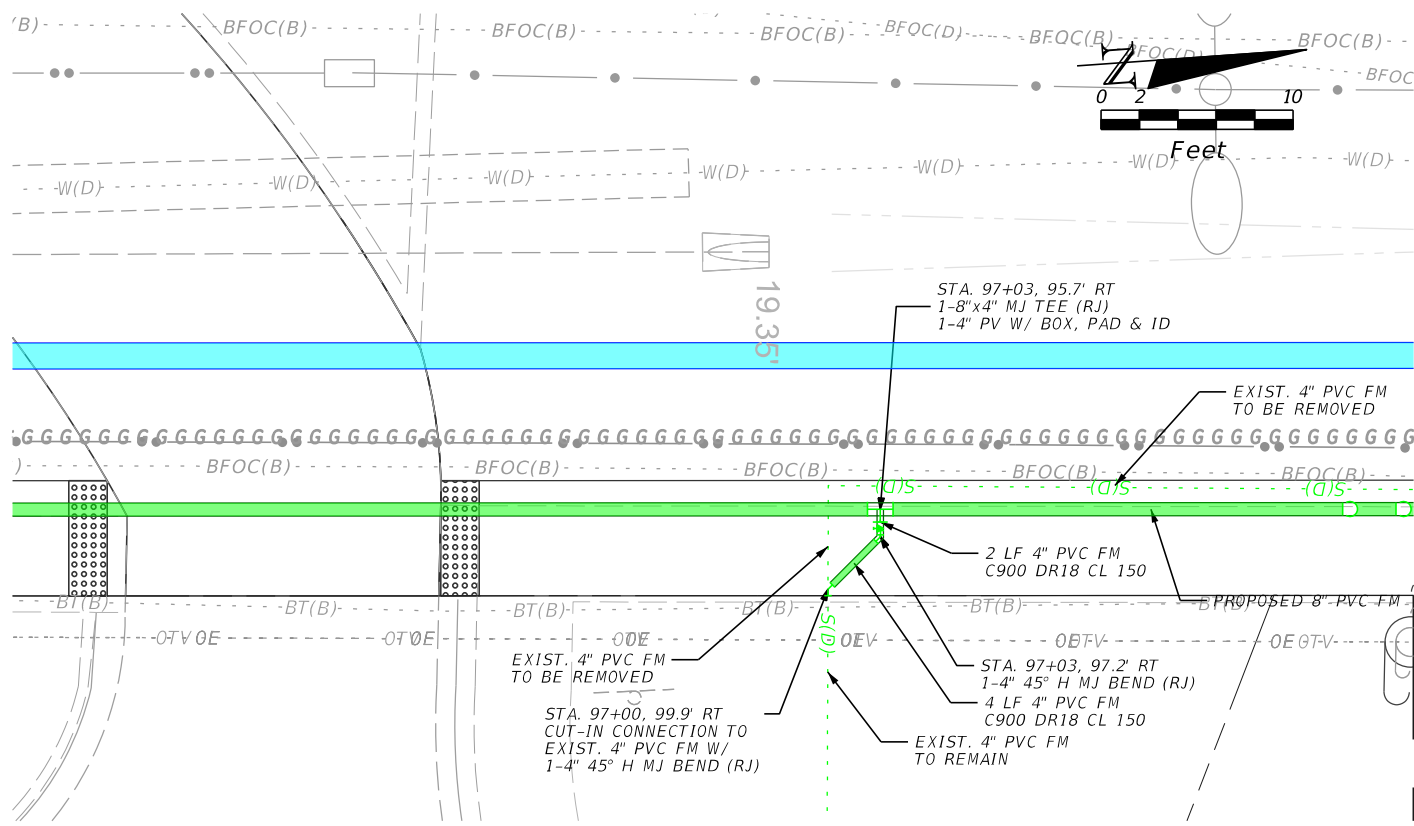
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FORCE MAIN CONNECTION STA. 72+84



FORCE MAIN CONNECTION STA. 83+04



FORCE MAIN CONNECTION STA. 97+00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Stantec  
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Kristina Connelly, P.E. #54805

CITY OF FORT MYERS  
PUBLIC WORKS DEPARTMENT

ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

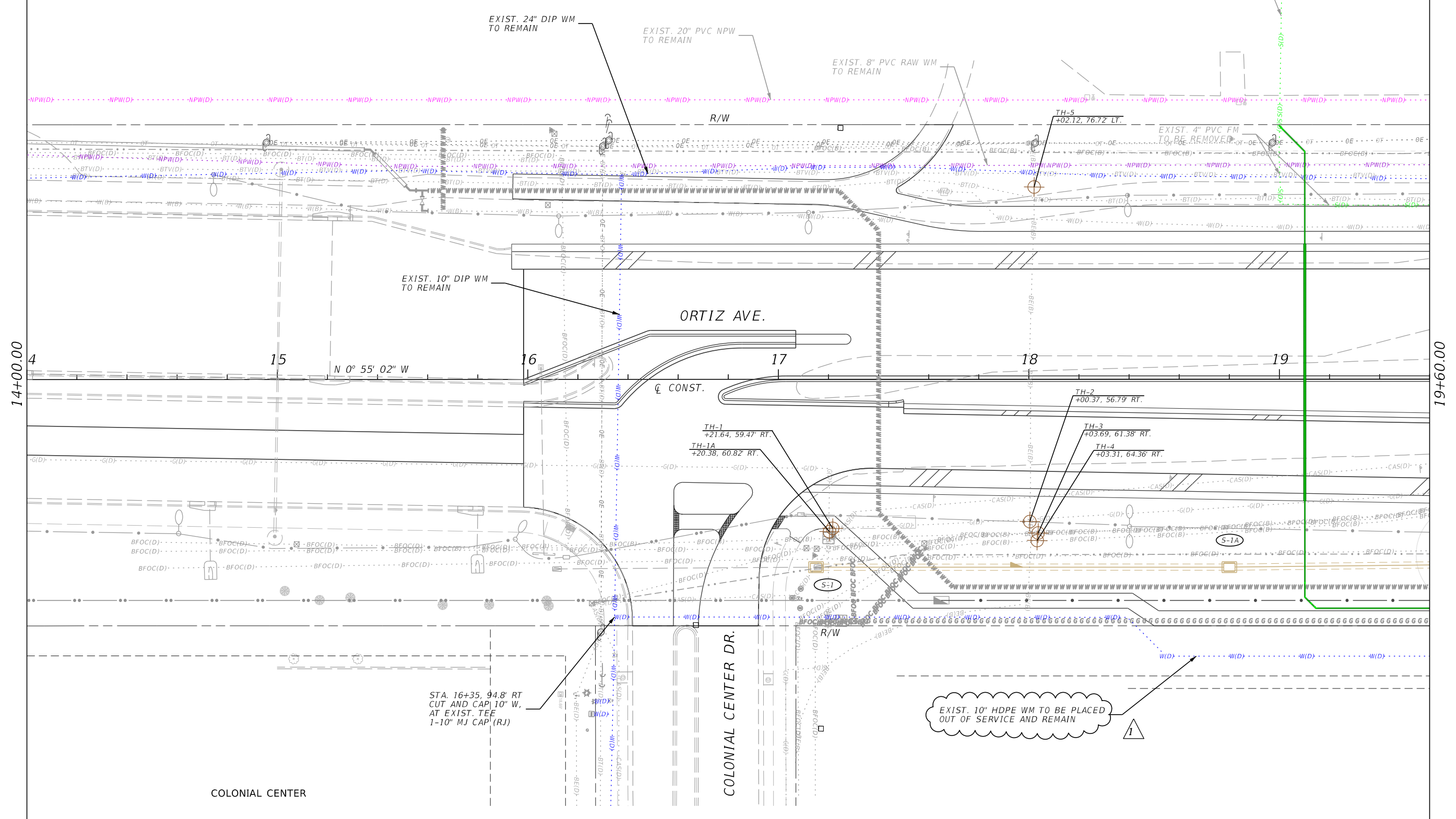
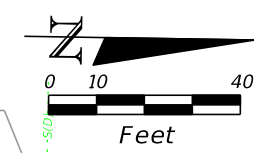
UTILITY DETAILS  
FORCE MAIN

SHEET NO.

U-40

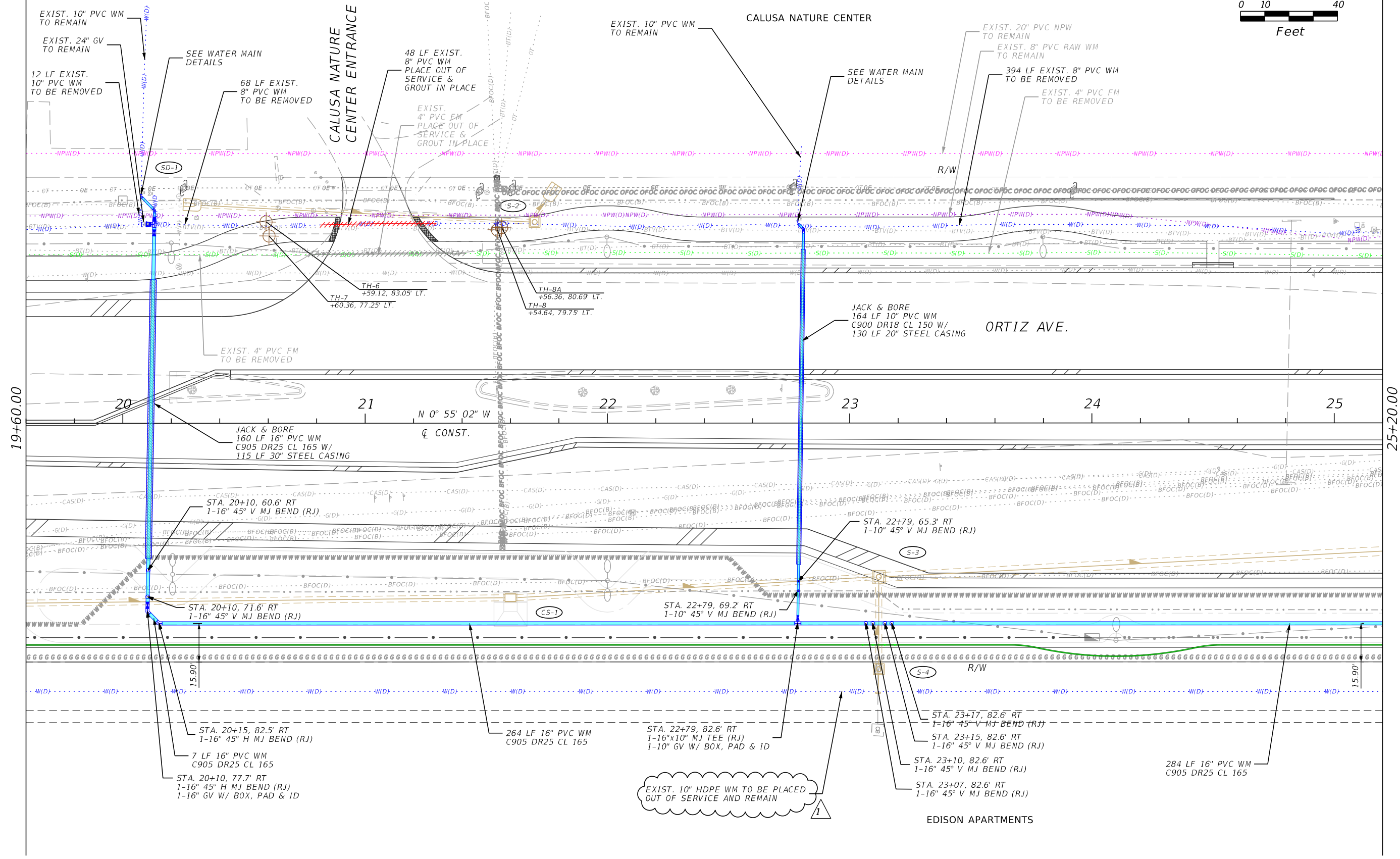
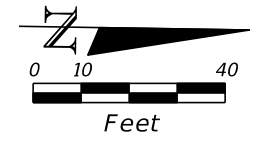
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REVISIONS				CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT			UTILITY PLAN WATER MAIN	SHEET NO. U-41
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NAME	COUNTY	PROJECT NO.		
6-22-22	REVISED NOTE FROM REMOVED TO REMAIN.			ORTIZ AVE.	LEE	20-0055		

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
6-22-22	REVISED NOTE FROM REMOVED TO REMAIN.		

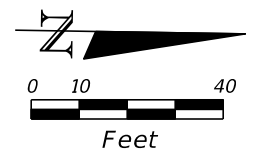
Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

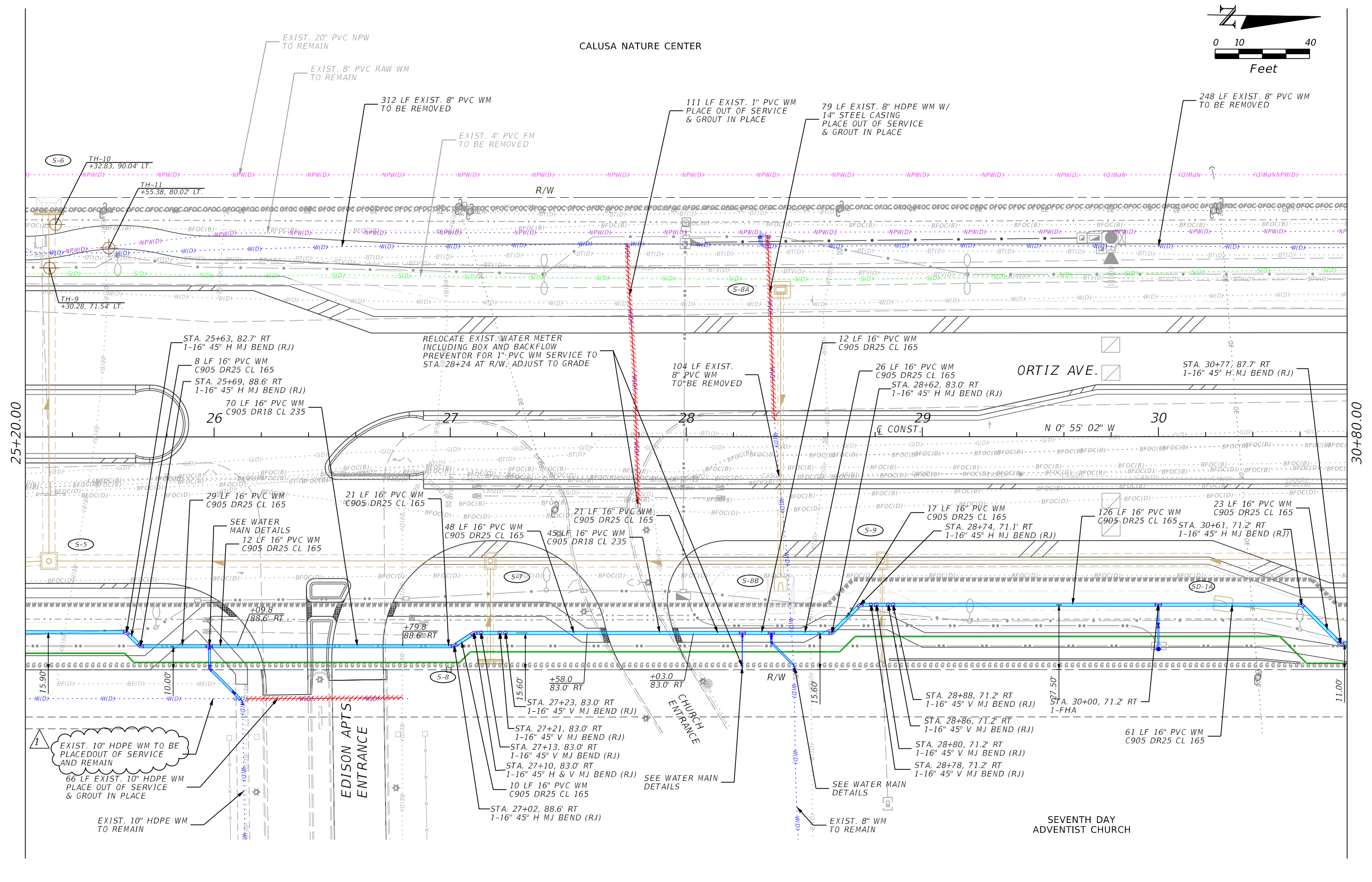
**UTILITY PLAN  
 WATER MAIN**

SHEET NO.  
 U-42

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



CALUSA NATURE CENTER

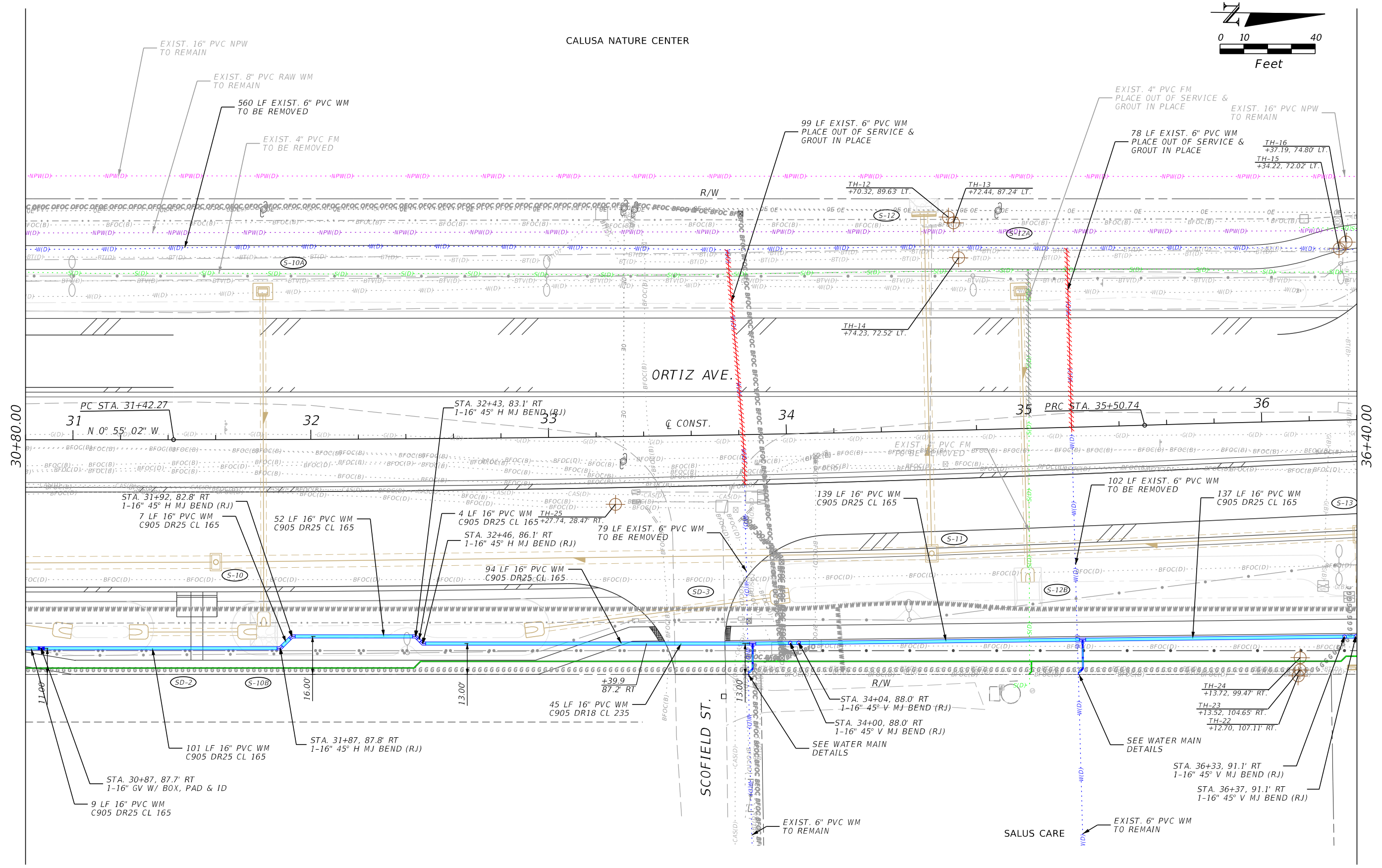
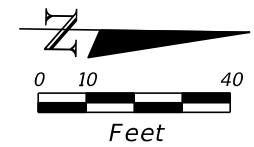


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REVISIONS				CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT			UTILITY PLAN WATER MAIN	SHEET NO. U-43
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NAME	COUNTY	PROJECT NO.		
6-22-22	REVISED NOTE FROM REMOVED TO REMAIN.			ORTIZ AVE.	LEE	20-0055		

Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connelly, P.E. #54805

CALUSA NATURE CENTER



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

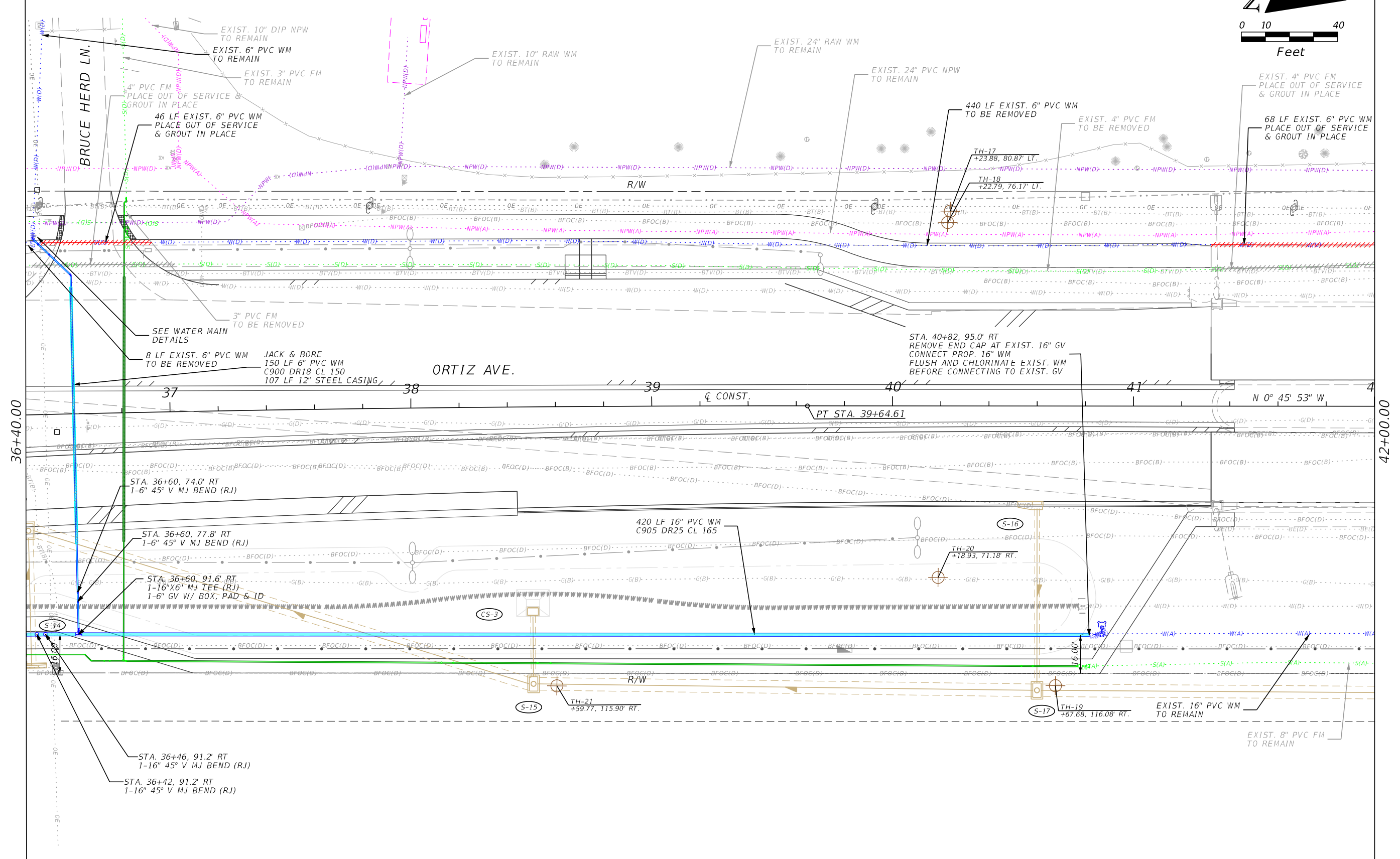
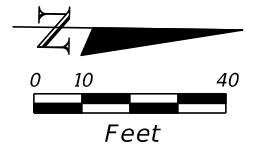
Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PLAN  
WATER MAIN**

SHEET NO.  
U-44

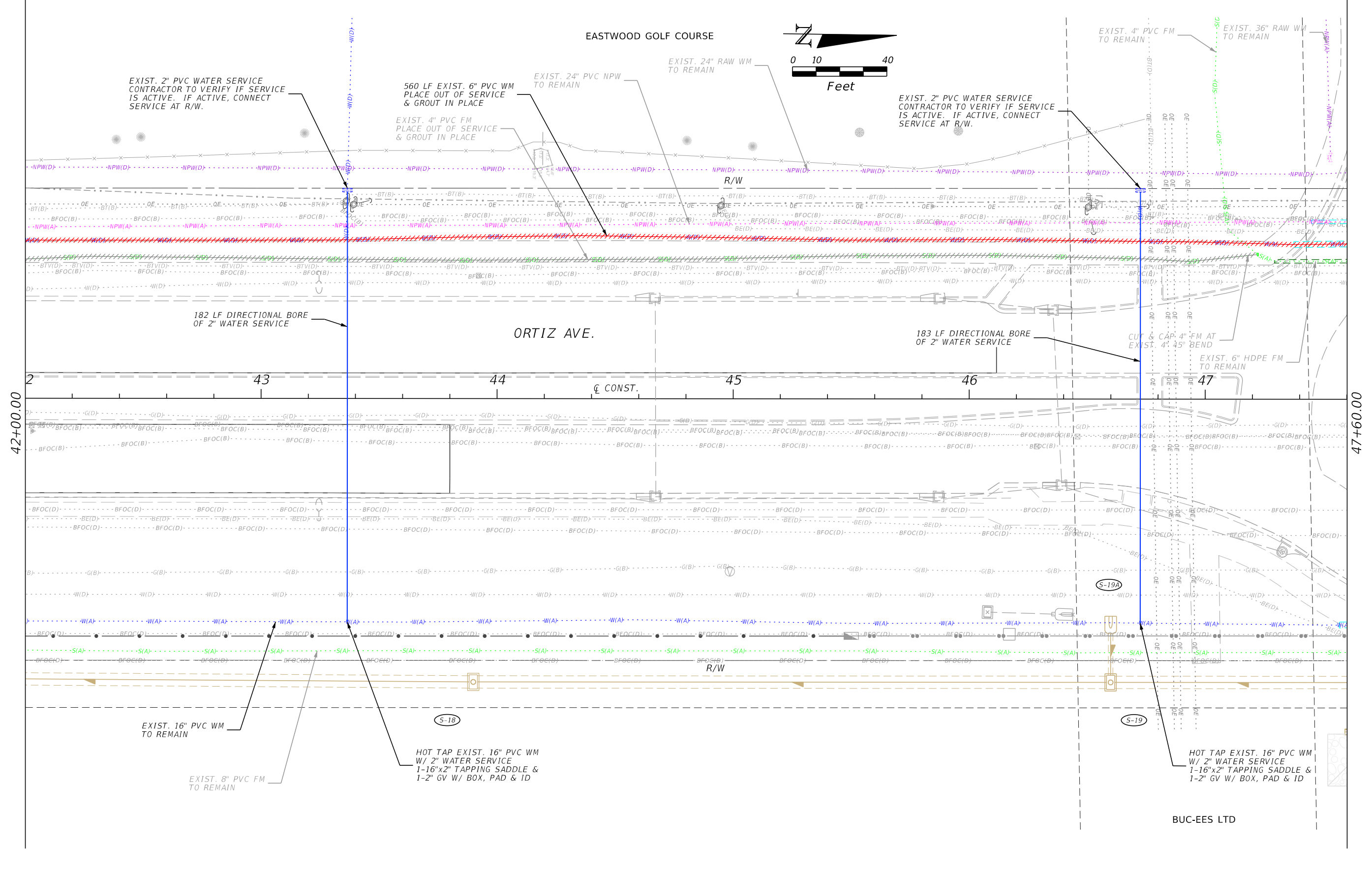
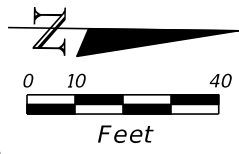
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REVISIONS				Stantec 1821 Victoria Avenue Fort Myers, FL 33901 Ph. 239-337-3330 Kristina Connelly, P.E. #54805	CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT			<b>UTILITY PLAN</b> <b>WATER MAIN</b>	SHEET NO. <b>U-45</b>
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NAME	COUNTY	PROJECT NO.		
					ORTIZ AVE.	LEE	20-0055		

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EASTWOOD GOLF COURSE



EXIST. 2" PVC WATER SERVICE CONTRACTOR TO VERIFY IF SERVICE IS ACTIVE. IF ACTIVE, CONNECT SERVICE AT R/W.

560 LF EXIST. 6" PVC WM PLACE OUT OF SERVICE & GROUT IN PLACE

EXIST. 24" PVC NPW TO REMAIN

EXIST. 24" RAW WM TO REMAIN

EXIST. 2" PVC WATER SERVICE CONTRACTOR TO VERIFY IF SERVICE IS ACTIVE. IF ACTIVE, CONNECT SERVICE AT R/W.

EXIST. 4" PVC FM TO REMAIN

EXIST. 36" RAW WM TO REMAIN

182 LF DIRECTIONAL BORE OF 2" WATER SERVICE

ORTIZ AVE.

183 LF DIRECTIONAL BORE OF 2" WATER SERVICE

CUT & CAP 4" FM AT EXIST. 4" 45° BEND  
EXIST. 6" HDPE FM TO REMAIN

EXIST. 16" PVC WM TO REMAIN

HOT TAP EXIST. 16" PVC WM W/ 2" WATER SERVICE  
1-16"x2" TAPPING SADDLE & 1-2" GV W/ BOX, PAD & ID

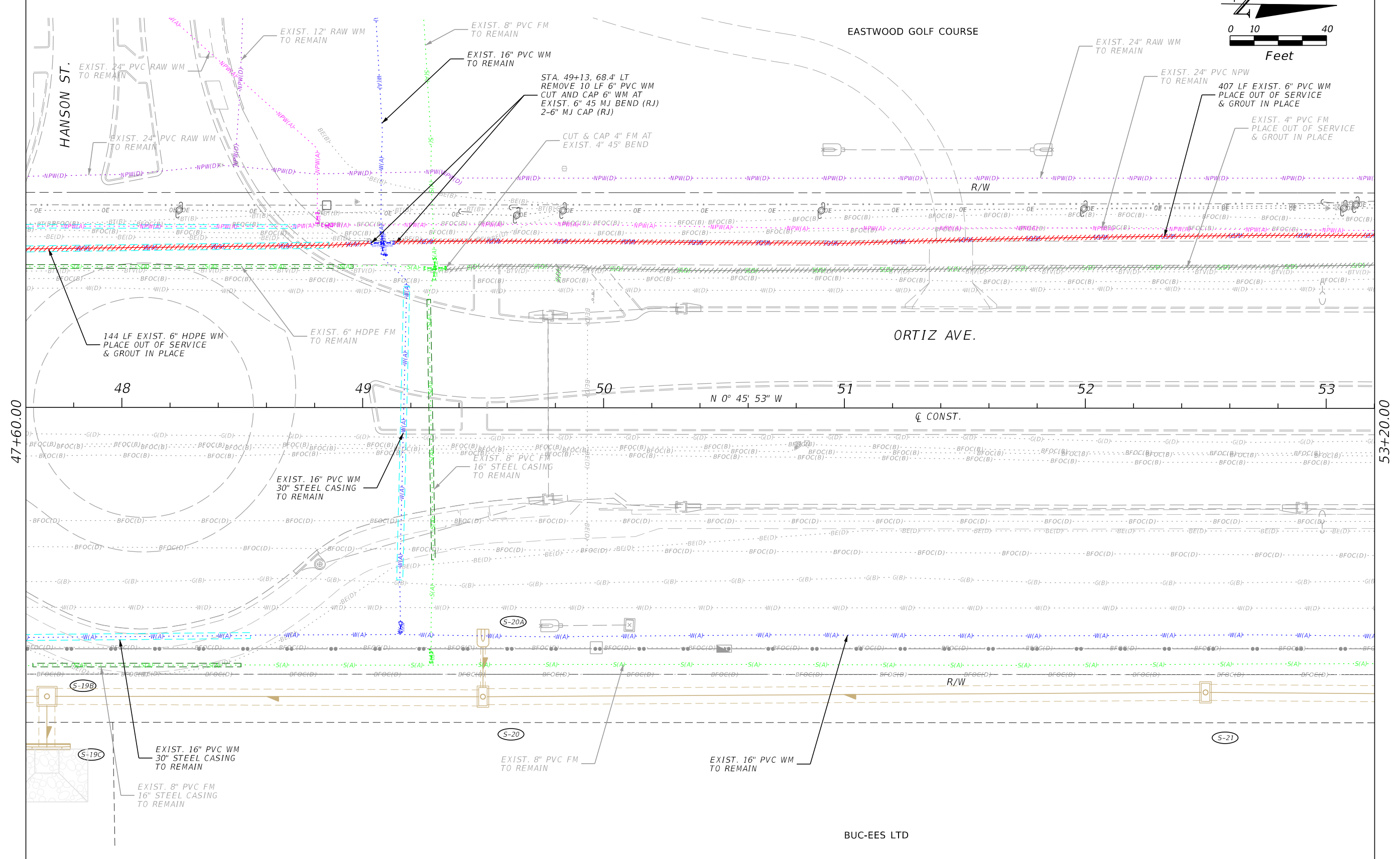
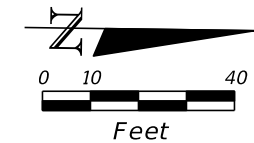
EXIST. 8" PVC FM TO REMAIN

HOT TAP EXIST. 16" PVC WM W/ 2" WATER SERVICE  
1-16"x2" TAPPING SADDLE & 1-2" GV W/ BOX, PAD & ID

BUC-EES LTD

REVISIONS				Stantec 1821 Victoria Avenue Fort Myers, FL 33901 Ph. 239-337-3330 Kristina Connolly, P.E. #54805	CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT			UTILITY PLAN WATER MAIN	SHEET NO.  U-46
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NAME	COUNTY	PROJECT NO.		
					ORTIZ AVE.	LEE	20-0055		

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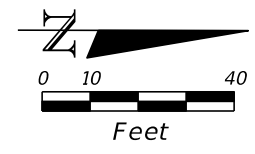
47+60.00

53+20.00

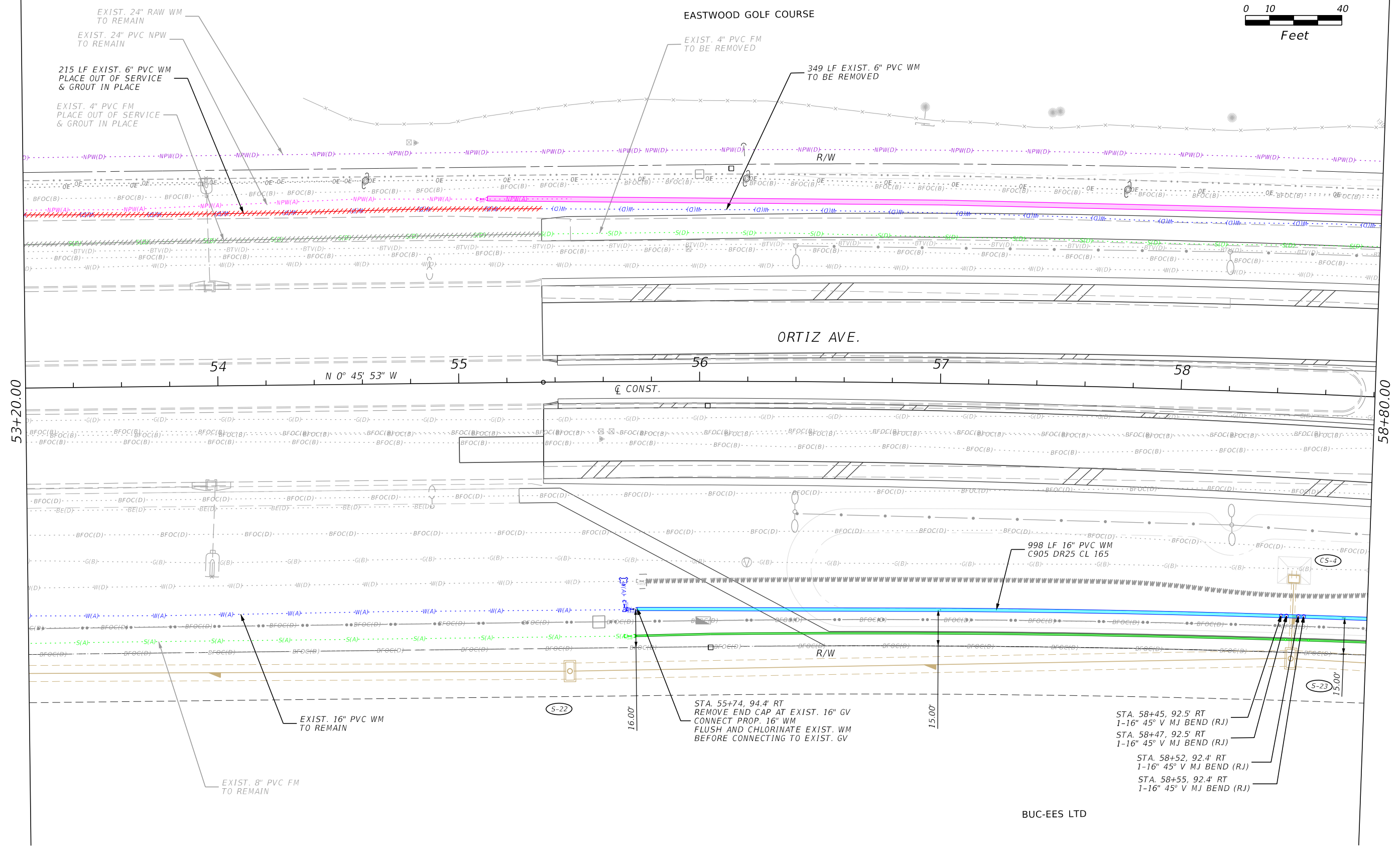
BUK-EES LTD

REVISIONS				Stantec 1821 Victoria Avenue Fort Myers, FL 33901 Ph. 239-337-3330 Kristina Connolly, P.E. #54805	CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT			<b>UTILITY PLAN</b> <b>WATER MAIN</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NAME	COUNTY	PROJECT NO.		
						ORTIZ AVE.	LEE		20-0055

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EASTWOOD GOLF COURSE



53+20.00

58+80.00

N 0° 45' 53" W

⊕ CONST.

BUC-EES LTD

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

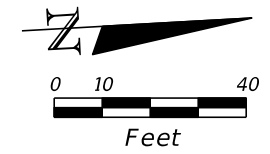
CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PLAN  
 WATER MAIN**

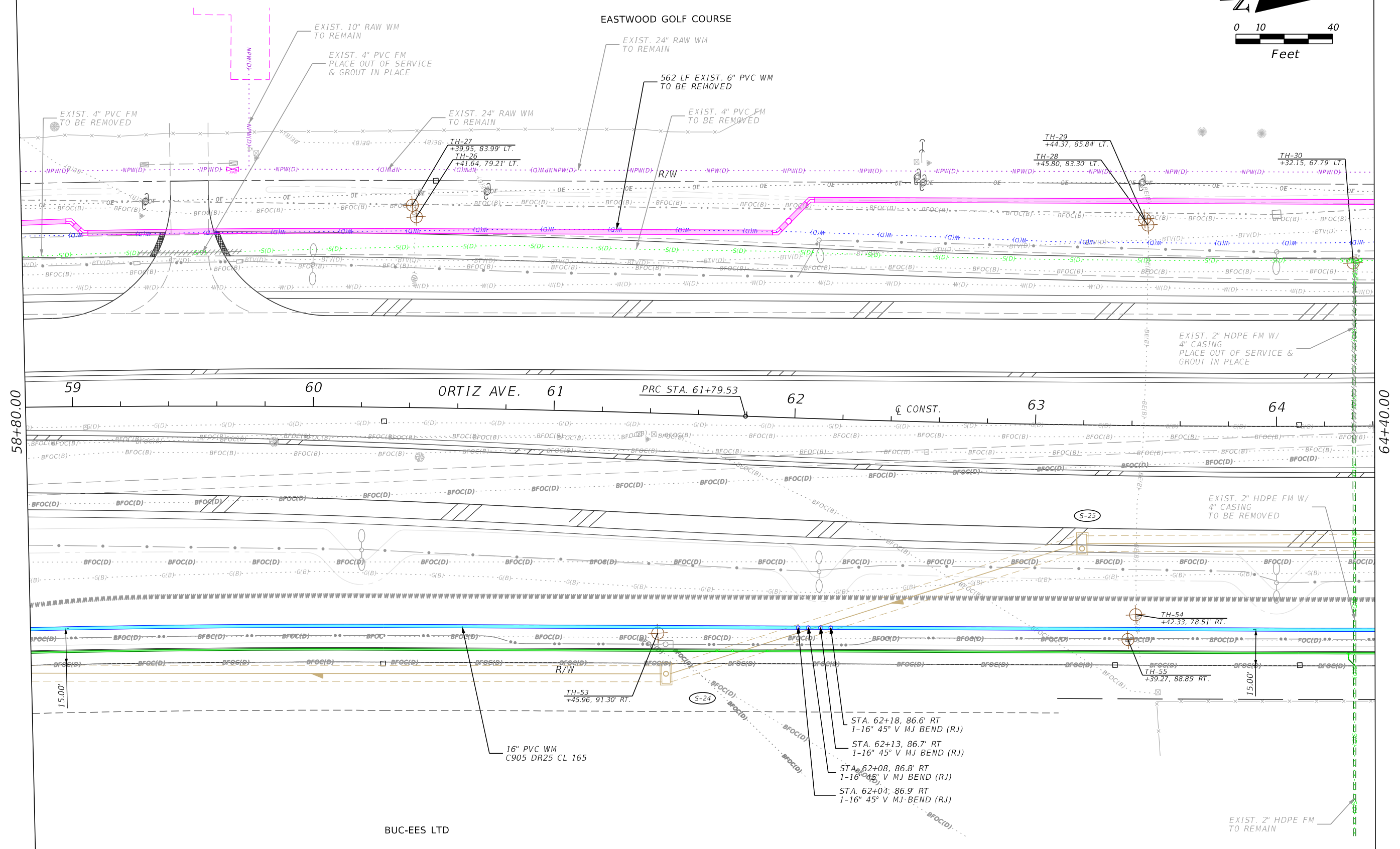
SHEET NO.  
 U-48

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.





EASTWOOD GOLF COURSE



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

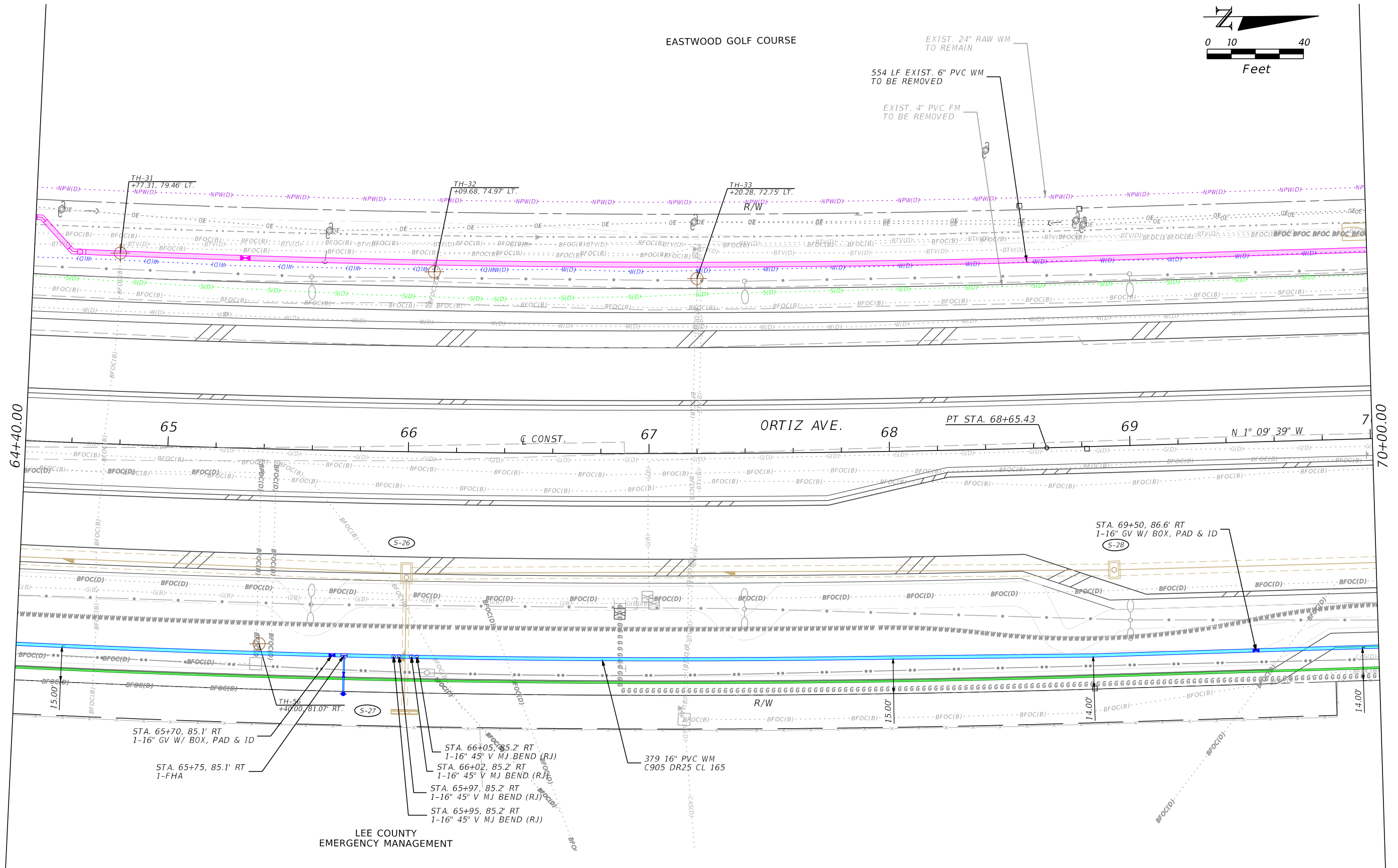
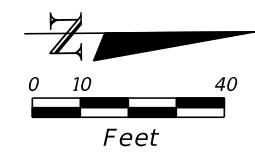
CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PLAN**  
**WATER MAIN**

SHEET NO.  
 U-49

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

EASTWOOD GOLF COURSE



REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

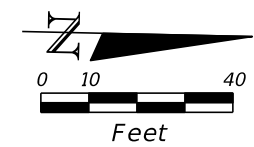
Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

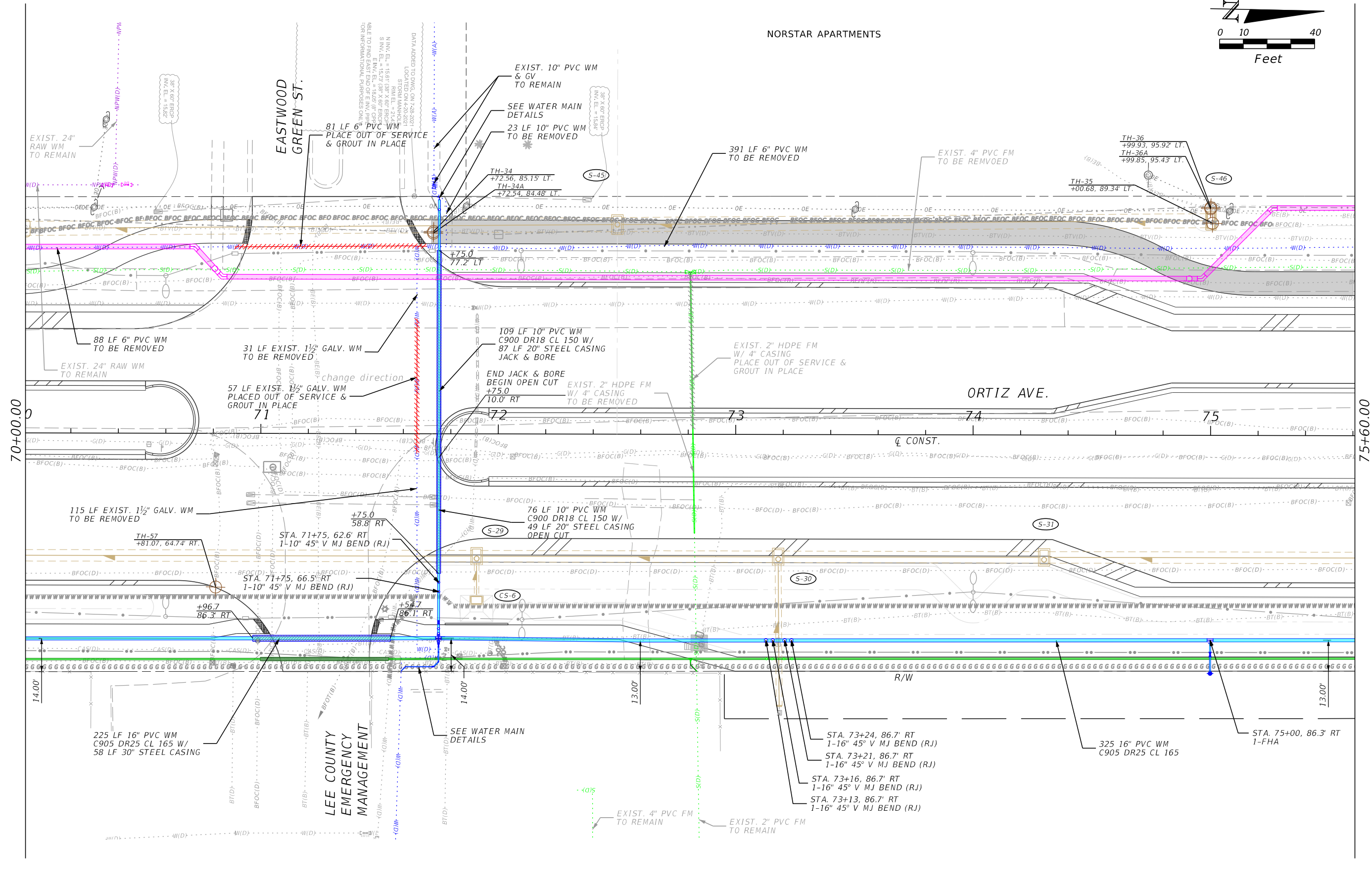
UTILITY PLAN  
 WATER MAIN

SHEET NO.  
 U-50

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



NORSTAR APARTMENTS



LEE COUNTY  
EMERGENCY  
MANAGEMENT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

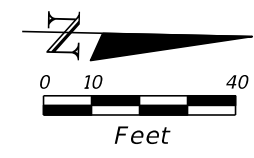
Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

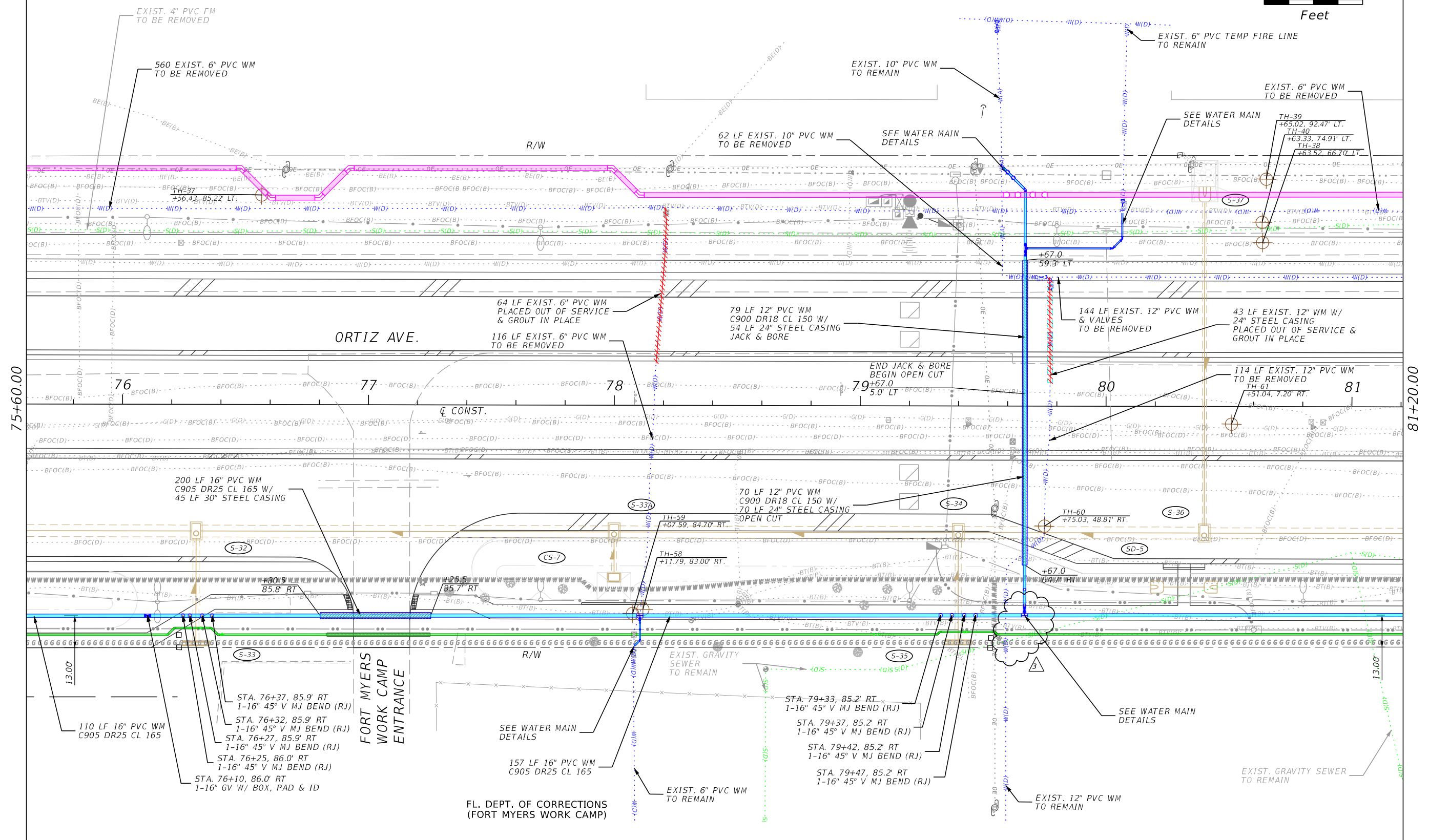
**UTILITY PLAN  
WATER MAIN**

SHEET NO.  
**U-51**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



NORSTAR APARTMENTS



REVISIONS		DATE	DESCRIPTION
DATE	DESCRIPTION	DATE	DESCRIPTION
3-28-23	REVISED CFM WM CONNECTION PER LCU COMMENTS		

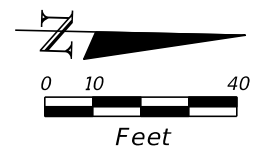
Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

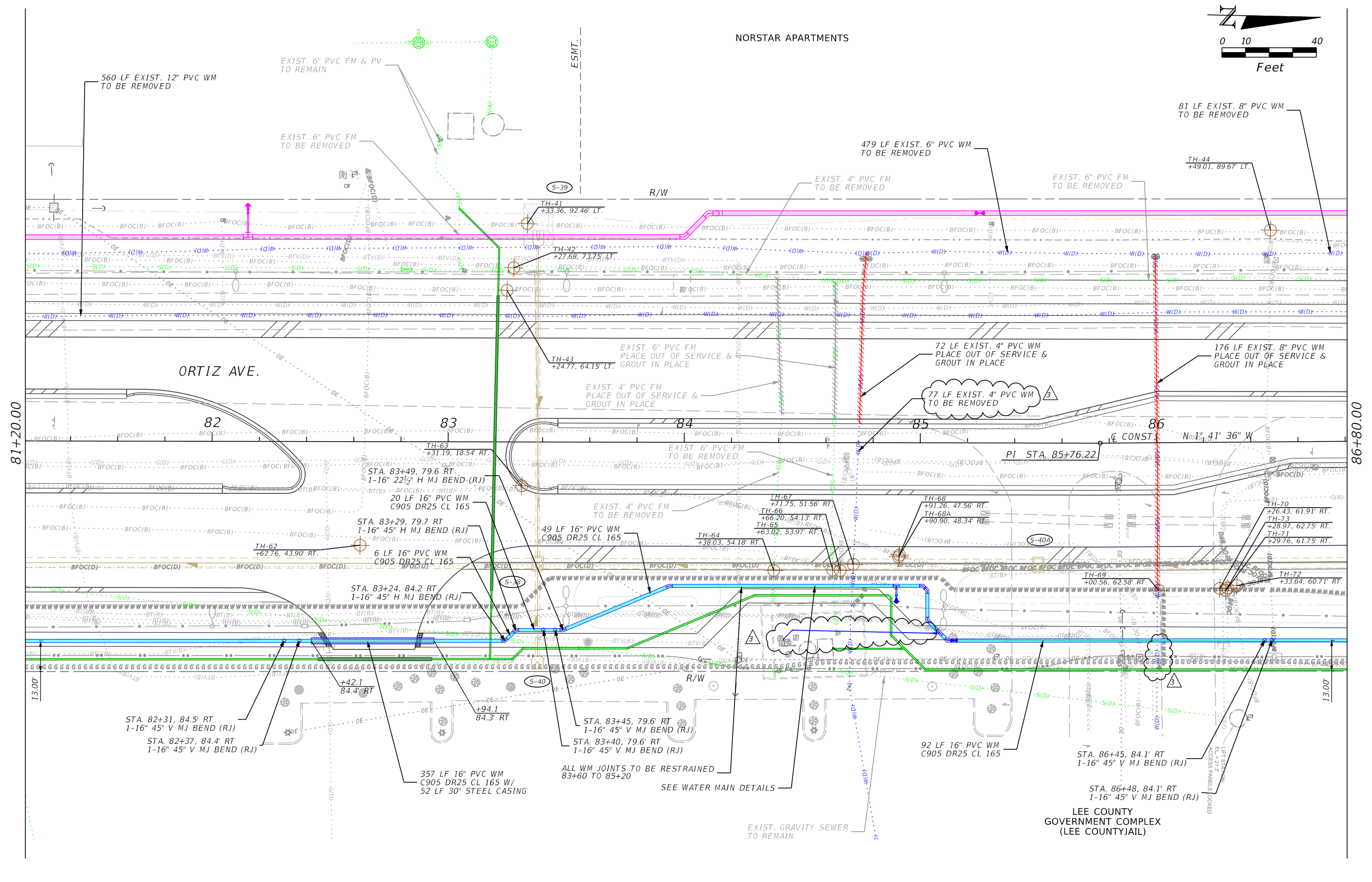
**UTILITY PLAN  
WATER MAIN**

SHEET NO.  
U-52

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



NORSTAR APARTMENTS



81+20.00

86+80.00

ORTIZ AVE.

82

83

84

85

86

STA. 82+31, 84.5' RT  
1-16" 45° V MJ BEND (RJ)  
STA. 82+37, 84.4' RT  
1-16" 45° V MJ BEND (RJ)

STA. 83+24, 84.2 RT  
1-16" 45° H MJ BEND (RJ)  
STA. 83+29, 79.7 RT  
1-16" 45° H MJ BEND (RJ)  
STA. 83+49, 79.6 RT  
1-16" 22½" H MJ BEND (RJ)

STA. 83+45, 79.6' RT  
1-16" 45° V MJ BEND (RJ)  
STA. 83+40, 79.6' RT  
1-16" 45° V MJ BEND (RJ)

STA. 86+45, 84.1' RT  
1-16" 45° V MJ BEND (RJ)  
STA. 86+48, 84.1' RT  
1-16" 45° V MJ BEND (RJ)

LEE COUNTY GOVERNMENT COMPLEX (LEE COUNTY JAIL)

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
4-3-23	REVISED CFM WM CONNECTION PER LCU COMMENTS		

Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connelly, P.E. #54805

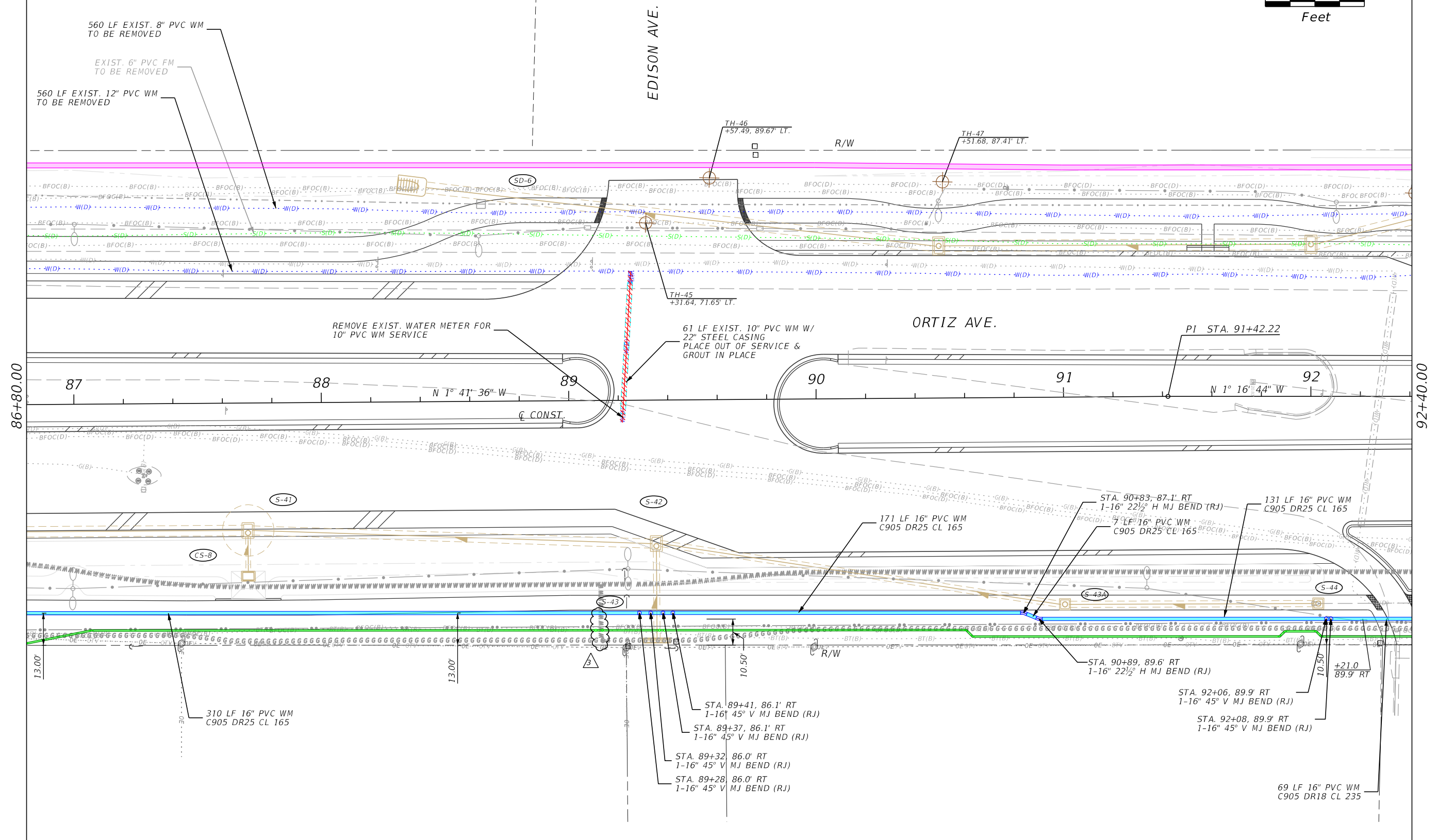
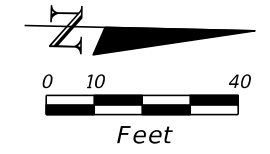
CITY OF FORT MYERS  
PUBLIC WORKS DEPARTMENT

ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

UTILITY PLAN  
WATER MAIN

SHEET NO.  
U-53

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



86+80.00

92+40.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
4-3-23	REVISED CFM WM CONNECTION PER LCU COMMENTS		

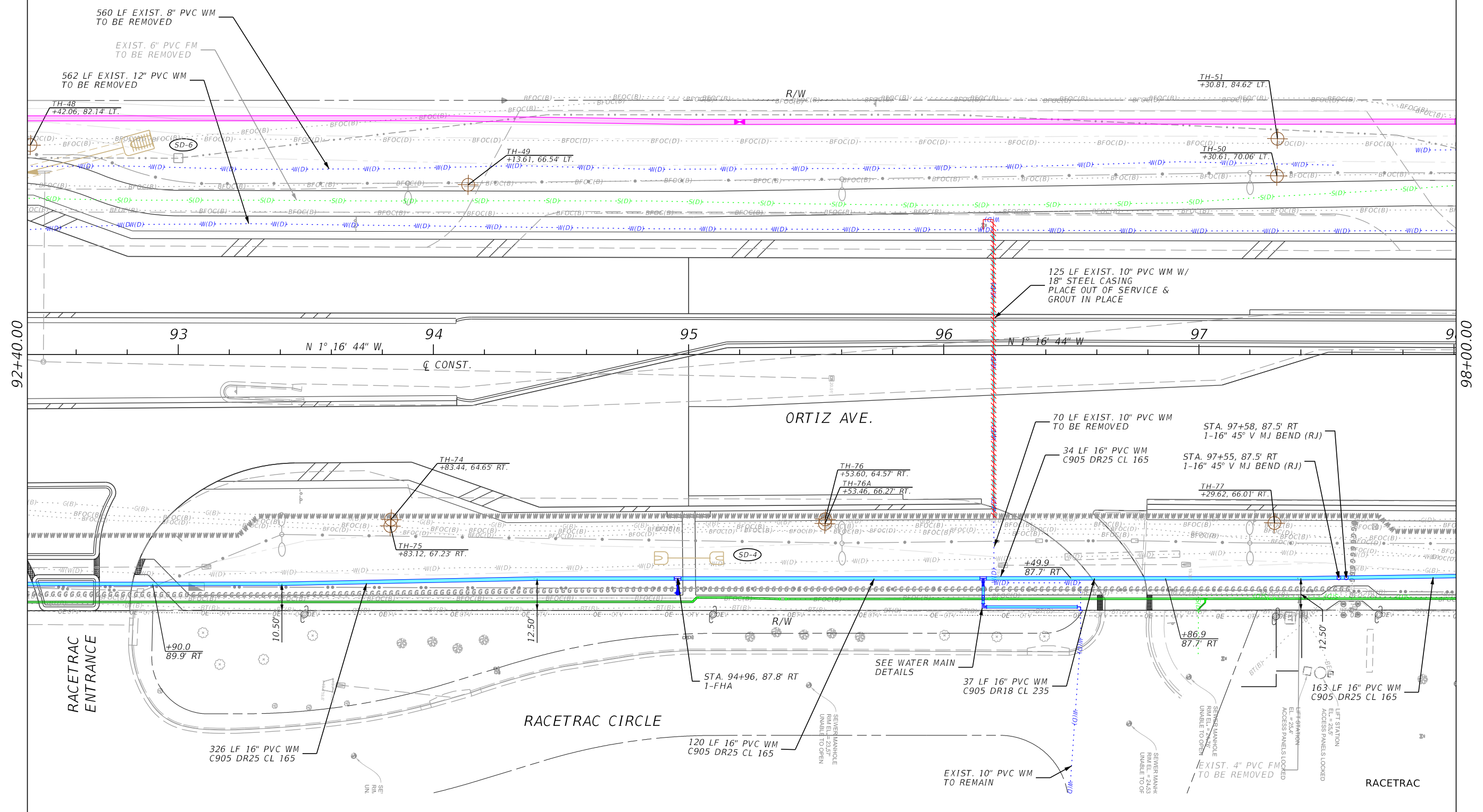
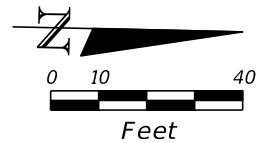
Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PLAN  
 WATER MAIN**

SHEET NO.  
 U-54

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

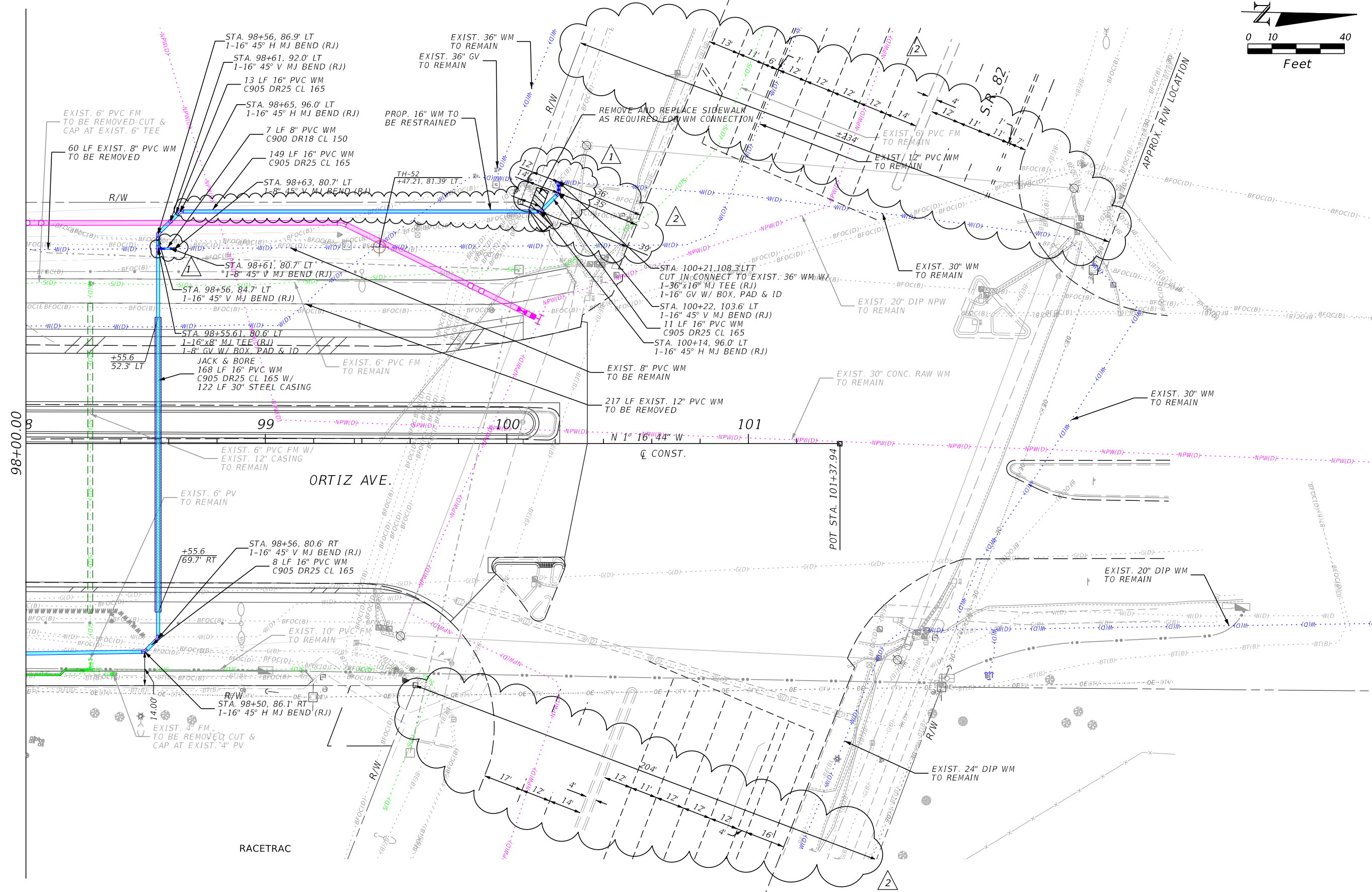
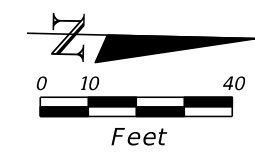
Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PLAN  
 WATER MAIN**

SHEET NO.  
 U-55

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



101+37.08 Ext. 222.92

REVISIONS	
DATE	DESCRIPTION
6-22-22	REVISED PROP. 16" WM CONNECTION, ADDED EXIST. 8" WM CONNECTION, MOVED PROP. 16" WM FURTHER AWAY FROM R/W. <span style="float: right;">1</span>
8-17-22	ADDED DIMENSIONS. <span style="float: right;">2</span>

Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

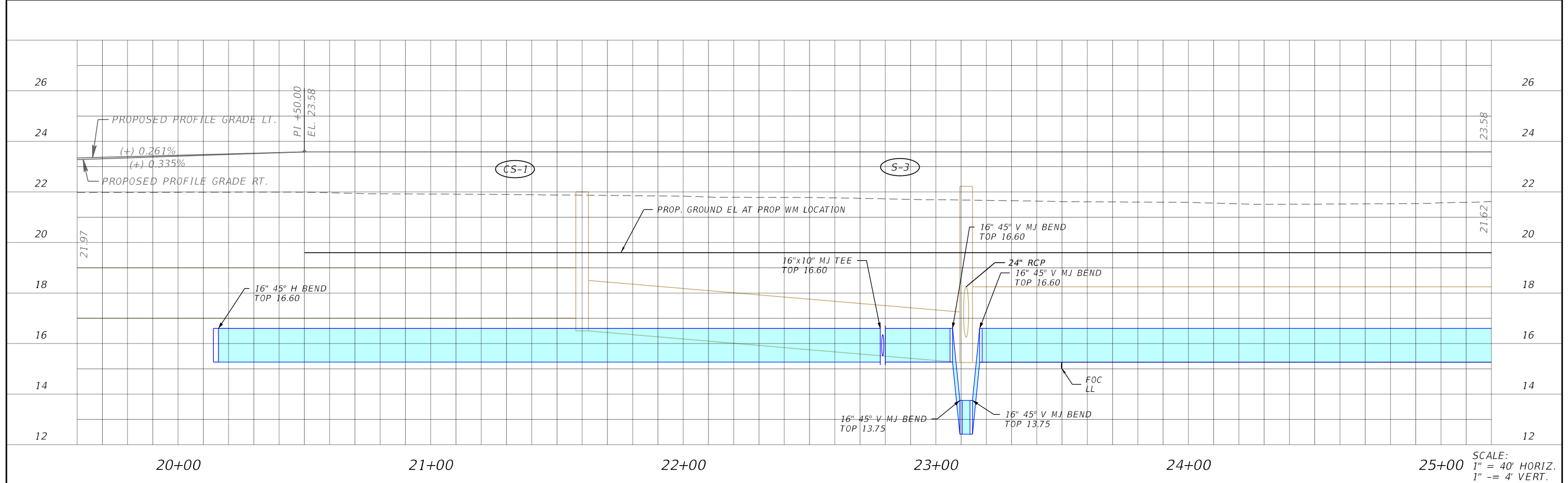
CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PLAN  
WATER MAIN**

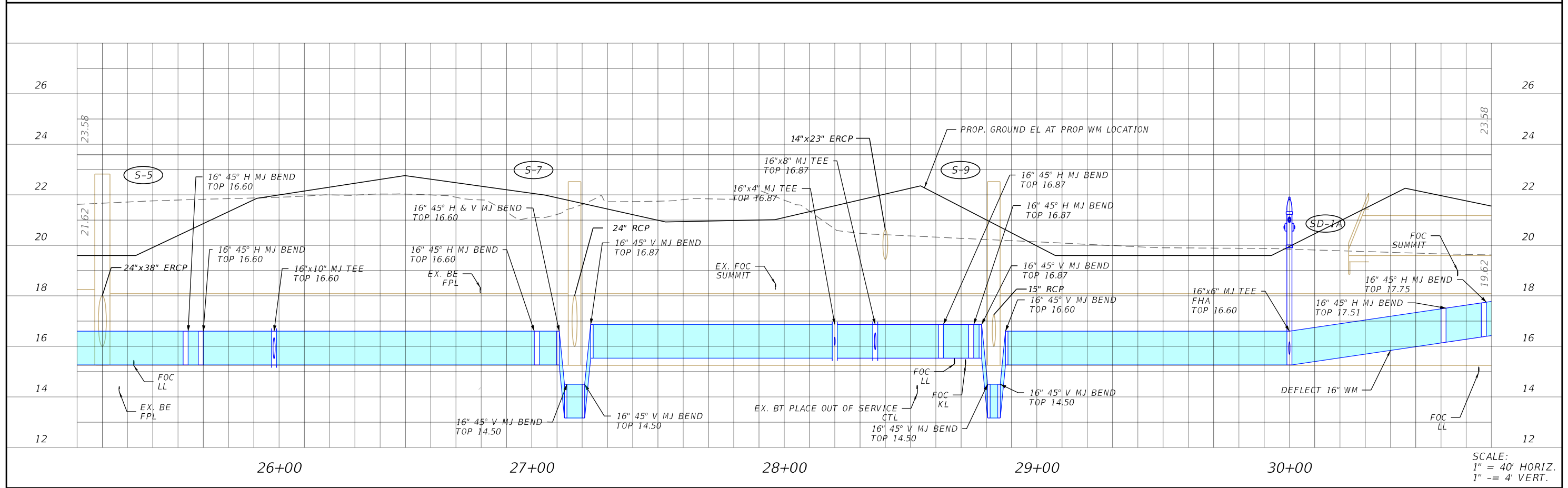
SHEET NO.  
**U-56**

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SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.



SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

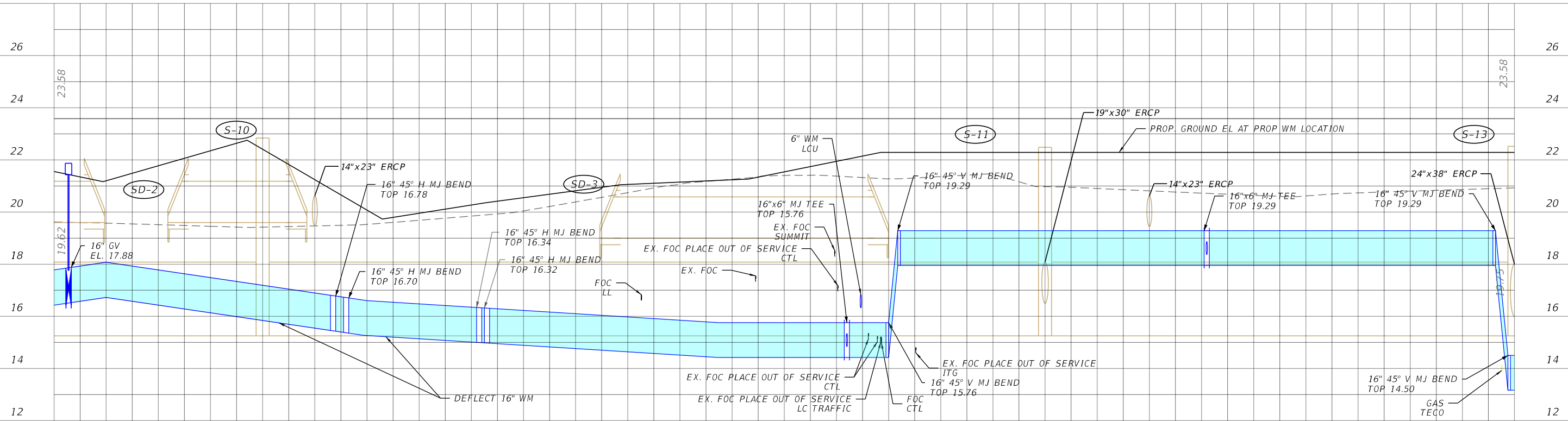
Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PROFILE  
WATER MAIN**

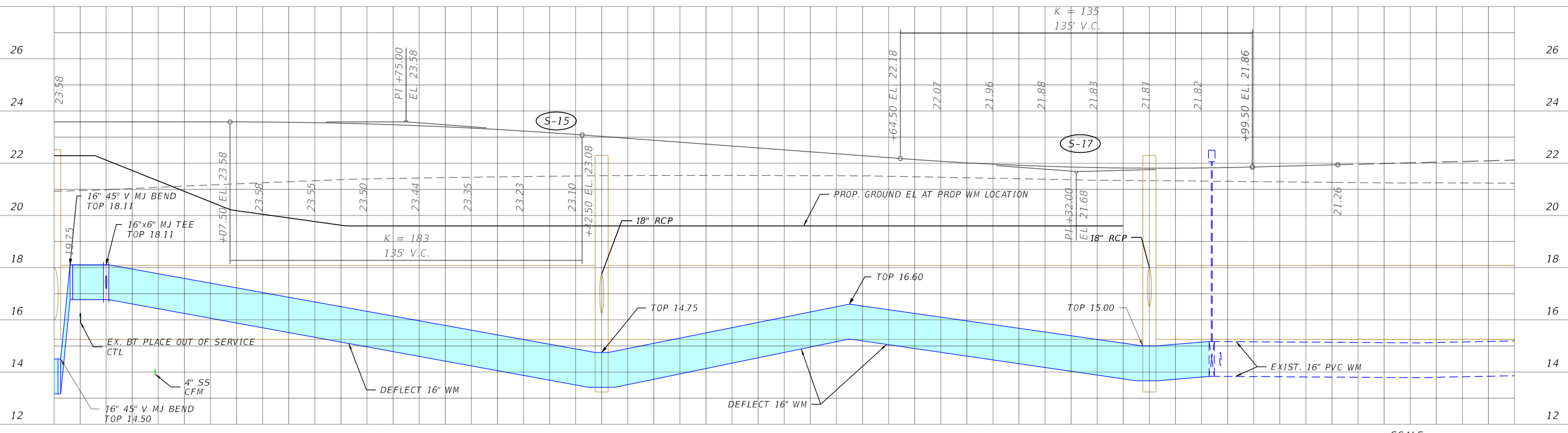
SHEET NO.  
**U-57**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



31+00 32+00 33+00 34+00 35+00 36+00

SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.



37+00 38+00 39+00 40+00 41+00 42+00

SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

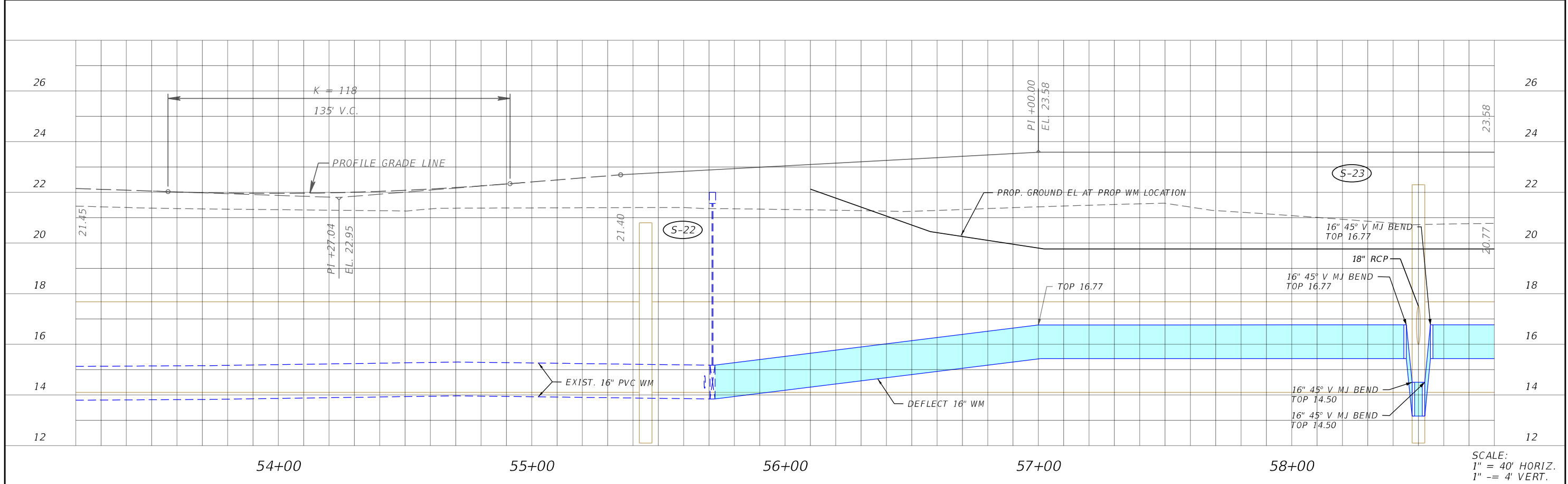
Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connolly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

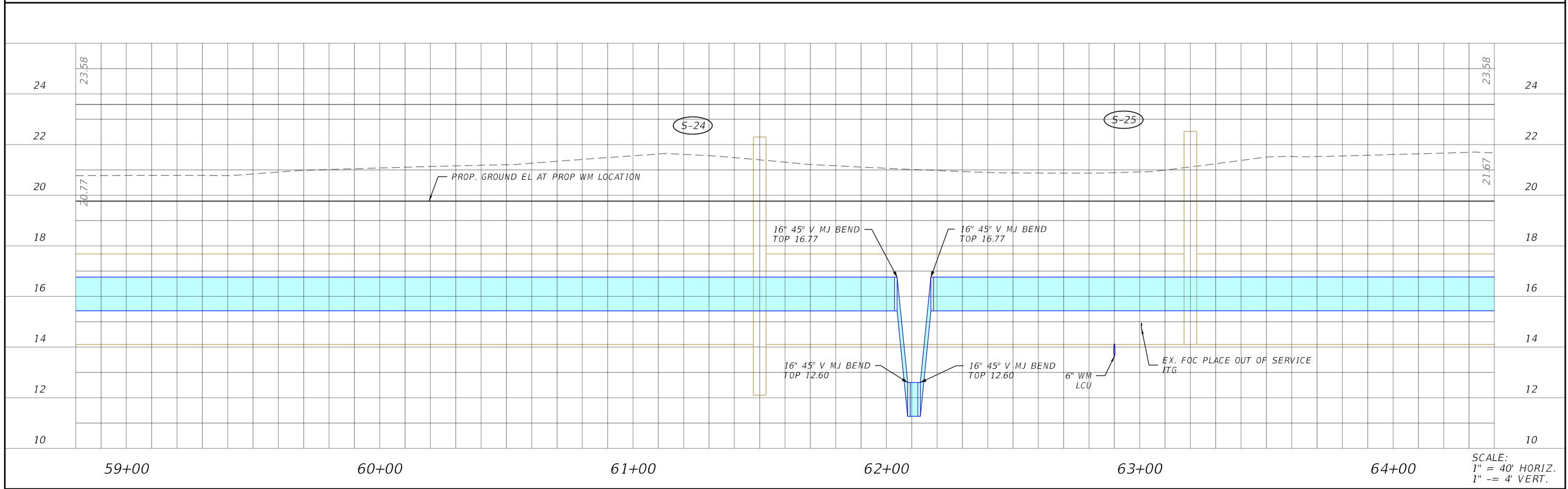
**UTILITY PROFILE**  
**WATER MAIN**

SHEET NO.  
**U-58**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.



SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

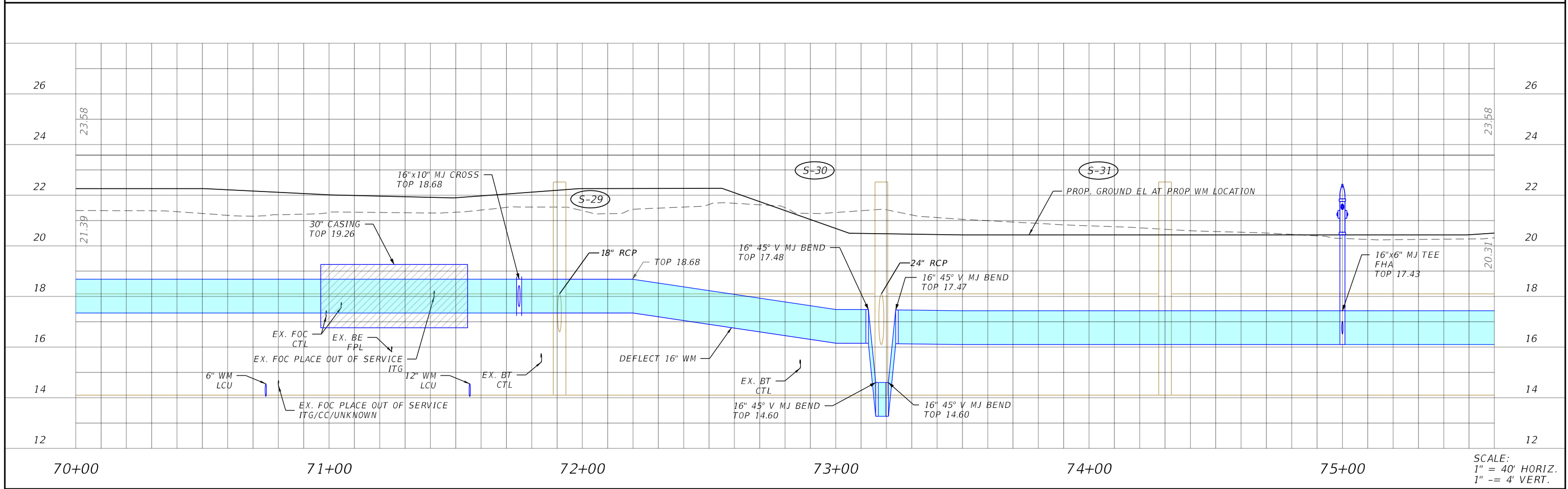
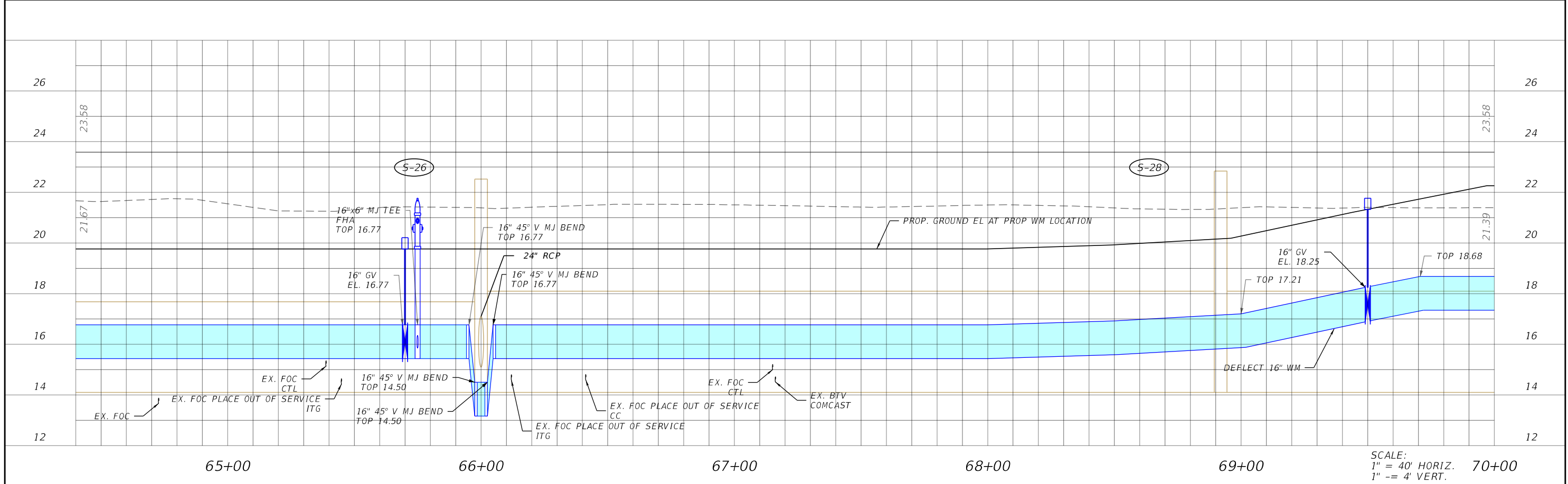
Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PROFILE**  
**WATER MAIN**

SHEET NO.  
**U-59**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

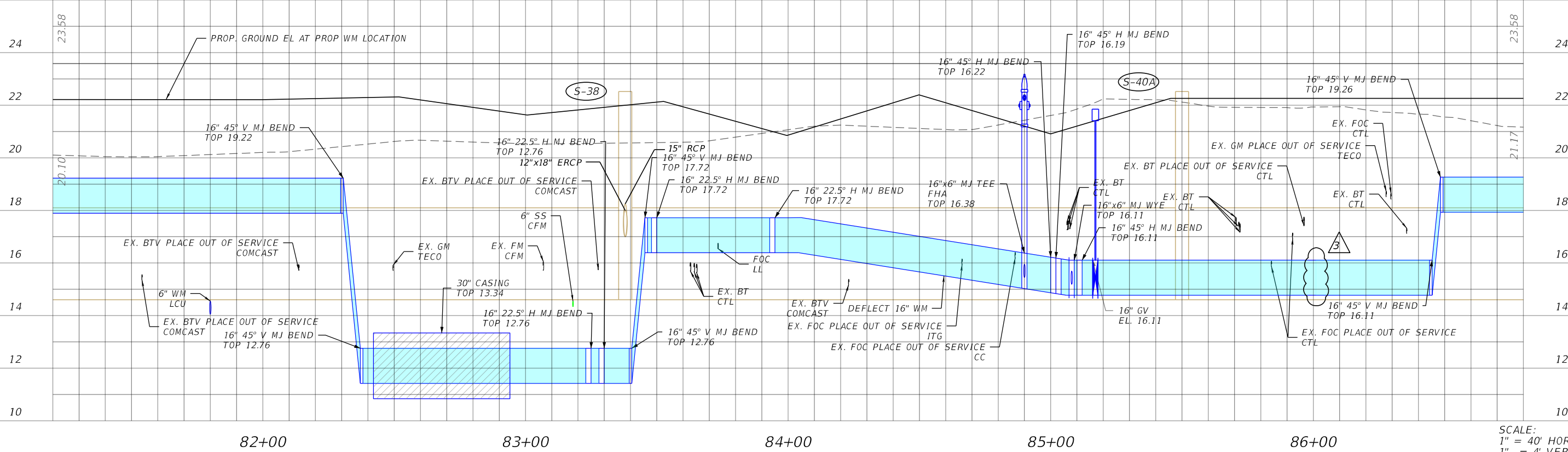
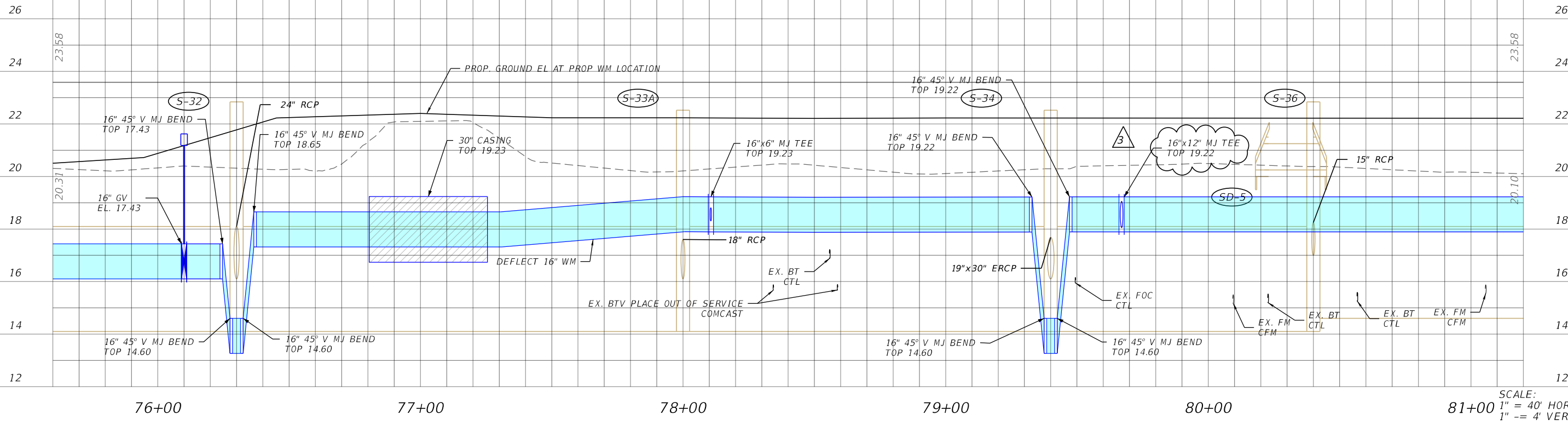
Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PROFILE**  
**WATER MAIN**

SHEET NO.  
 U-60

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
3-28-23	REVISED/REMOVED CFM WM CONNECTION PER LCU COMMENTS	3	

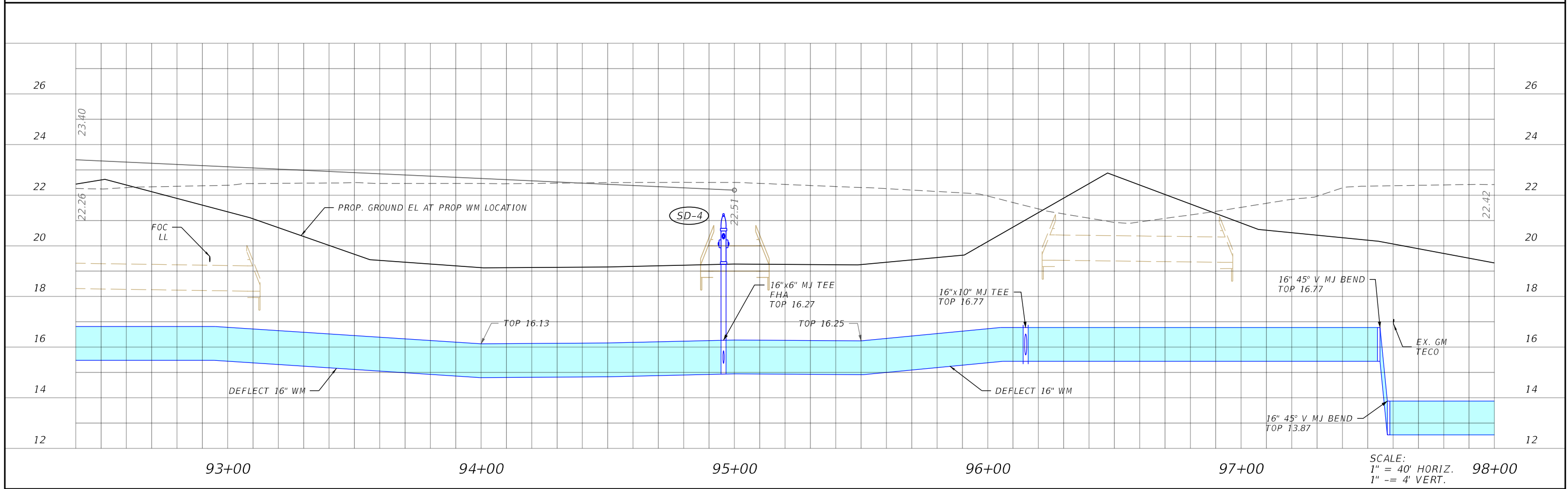
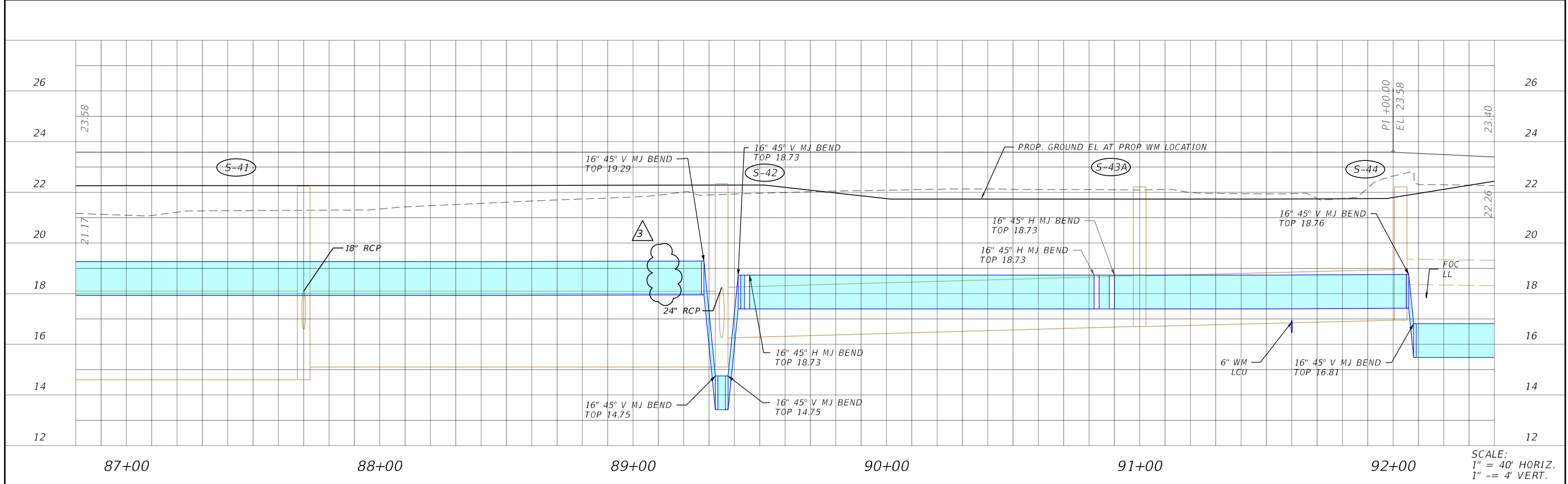
Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PROFILE**  
**WATER MAIN**

SHEET NO.  
 U-61

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
4-3-23	REMOVED CFM WM CONNECTION PER LCU COMMENTS		

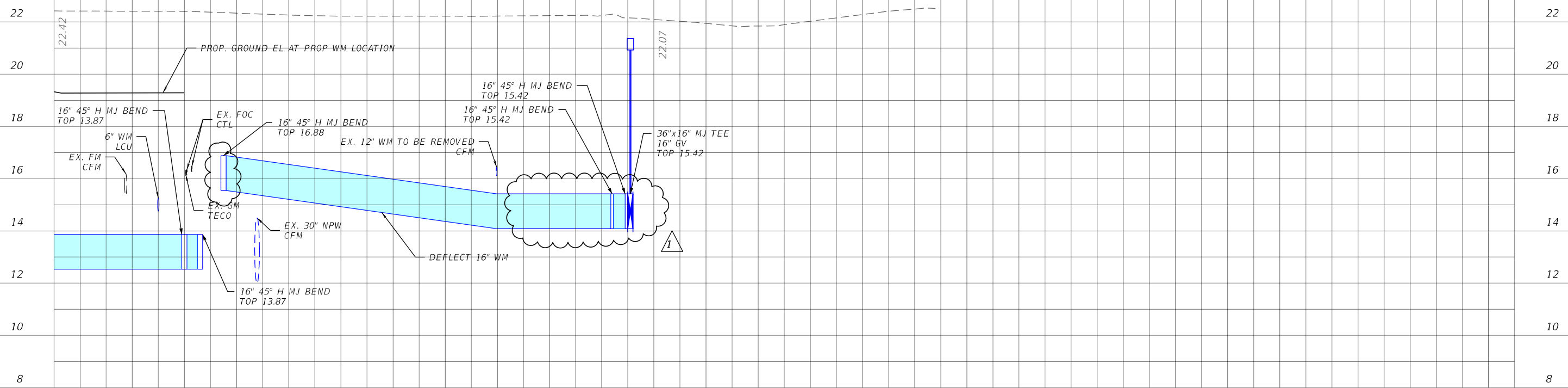
Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connolly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PROFILE  
WATER MAIN**

SHEET NO.  
U-62

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.




98+00

99+00

100+00

101+00

SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
6-22-22	REVISED PROP. 16" WM LOCATION AND CONNECTION. 		

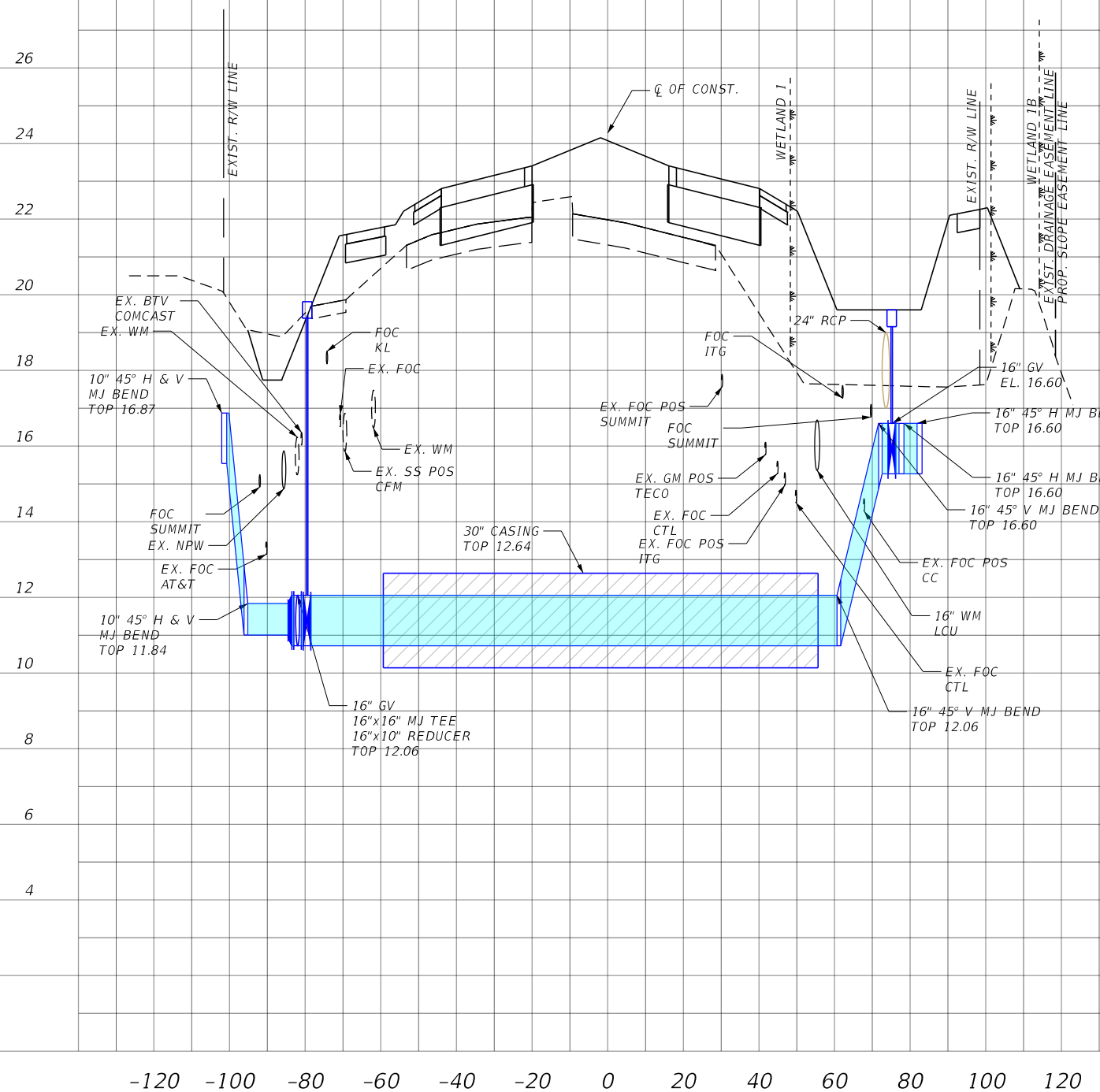
Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PROFILE**  
**WATER MAIN**

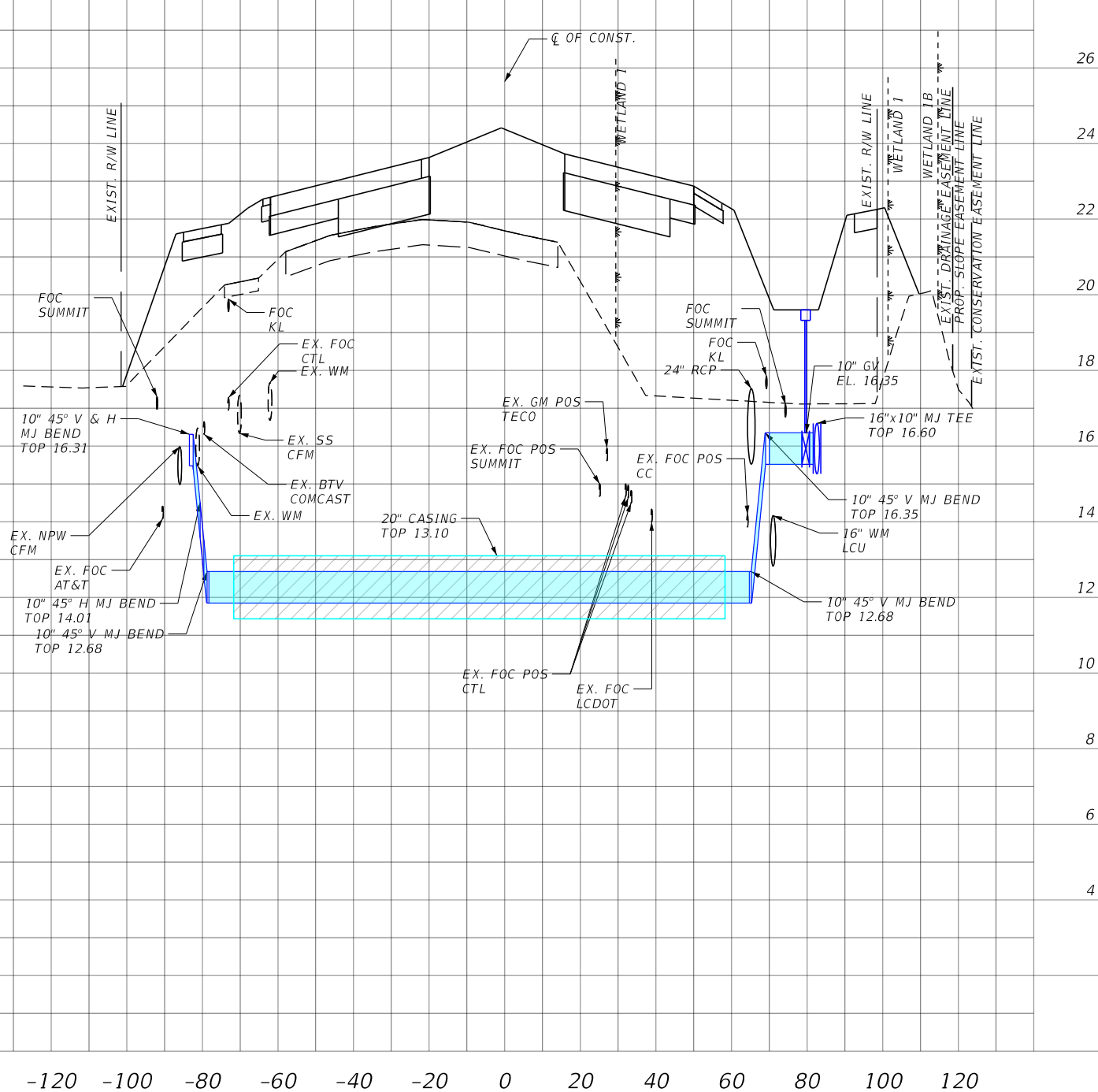
SHEET NO.  
**U-63**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



WATER MAIN STA. 20+10

SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.



WATER MAIN STA. 22+80

SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connelly, P.E. #54805

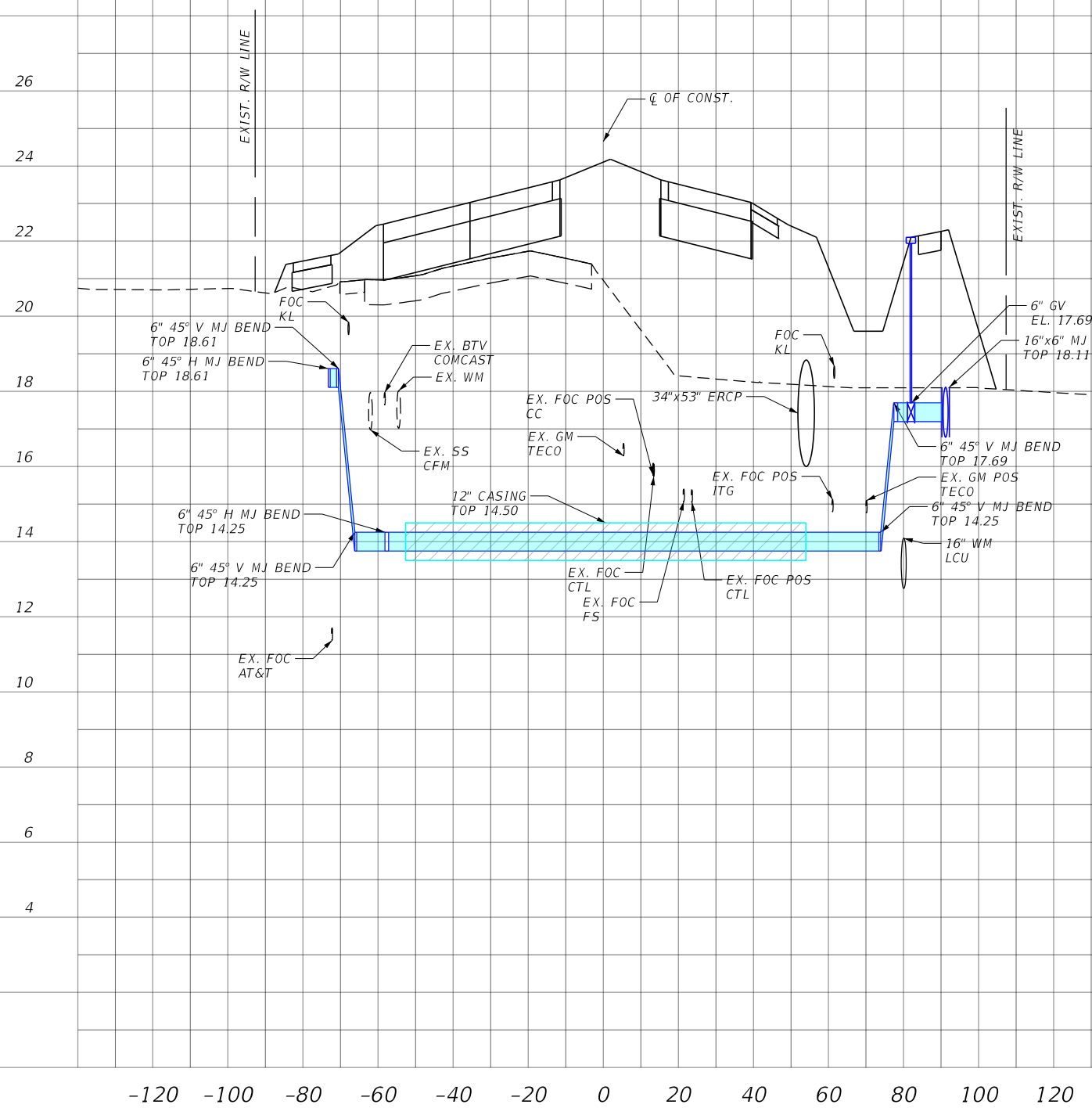
CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PROFILE**  
**WATER MAIN**

SHEET NO.  
**U-64**

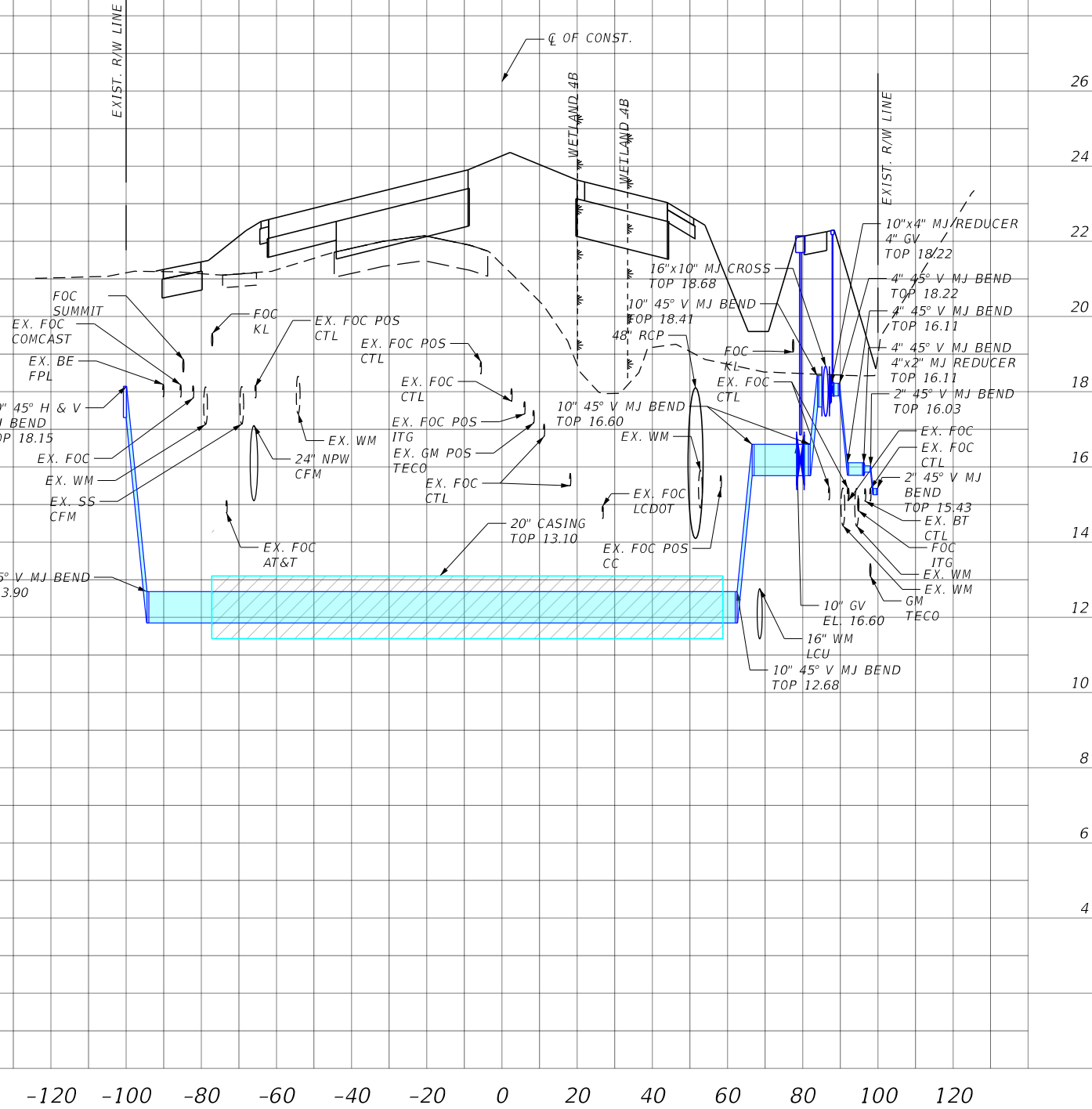
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.





WATER MAIN 36+60

SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.



WATER MAIN 71+75

SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

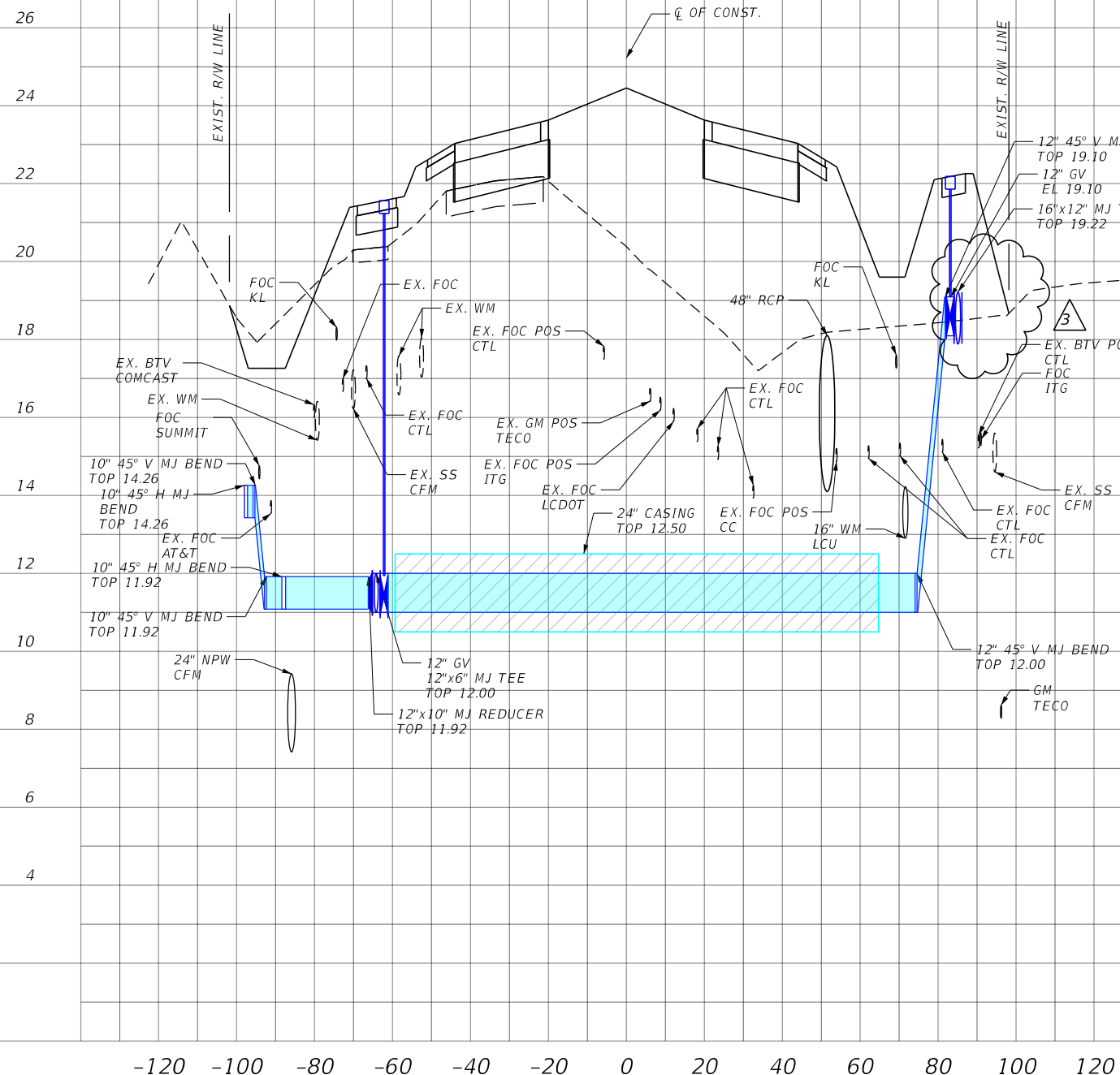
Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PROFILE**  
**WATER MAIN**

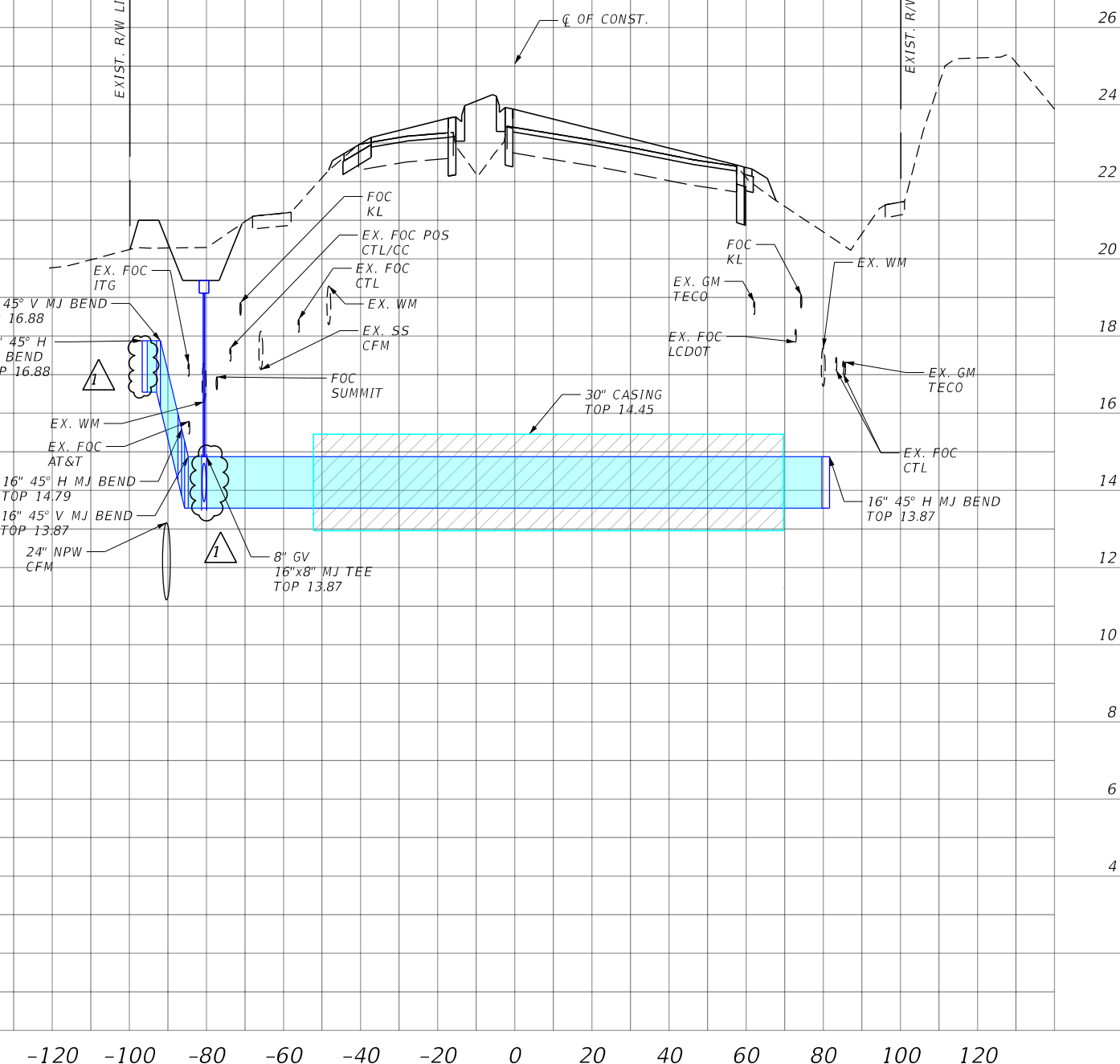
SHEET NO.  
**U-65**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



WATER MAIN 79+67

SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.



WATER MAIN 98+56

SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
6-22-22	ADDED TEE FOR EXIST. WM CONNECTION. MOVED WM FURTHER AWAY FROM R/W.	1	
3-28-23	REVISED CFM WM CONNECTION PER LCU COMMENTS	3	

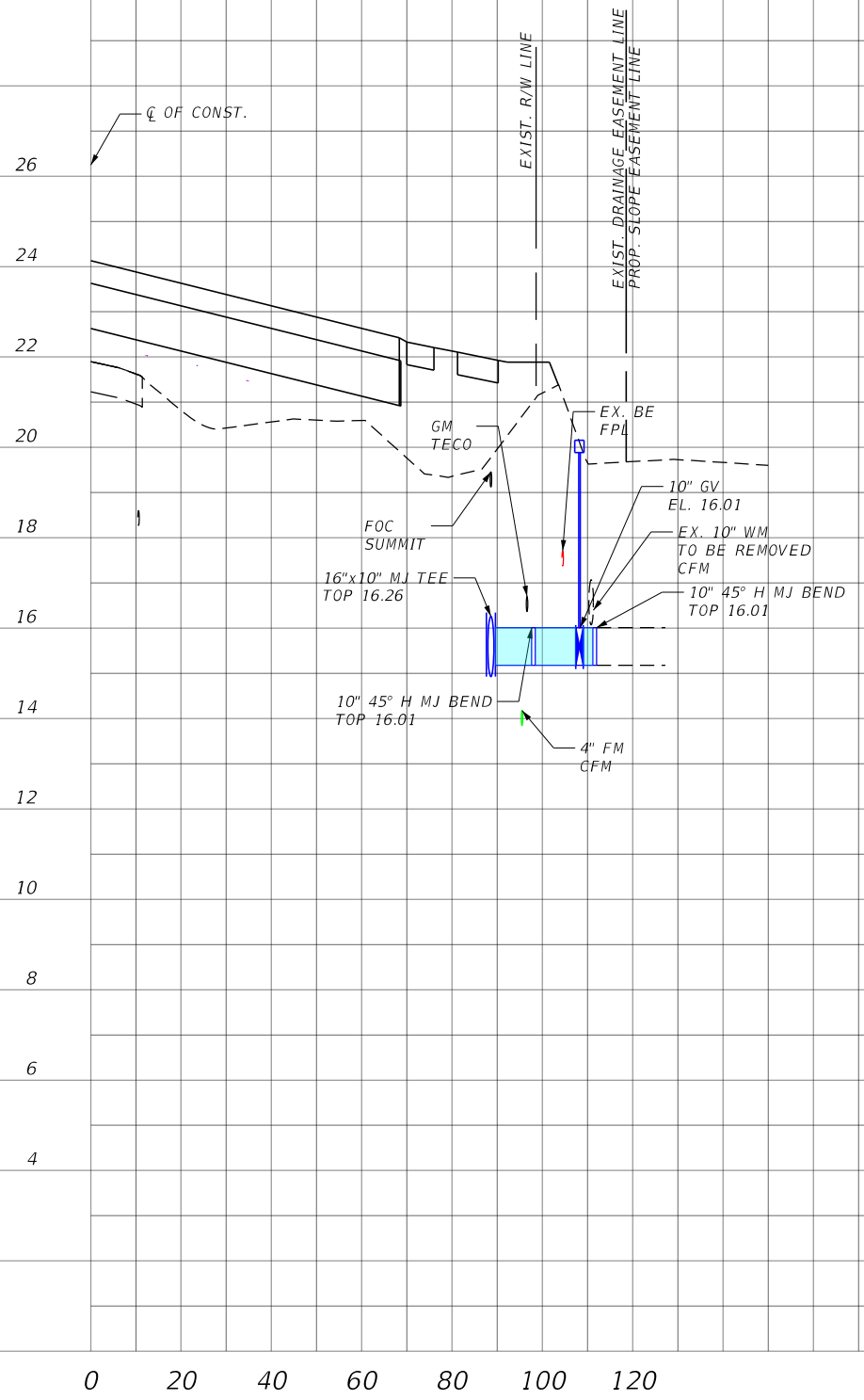
Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

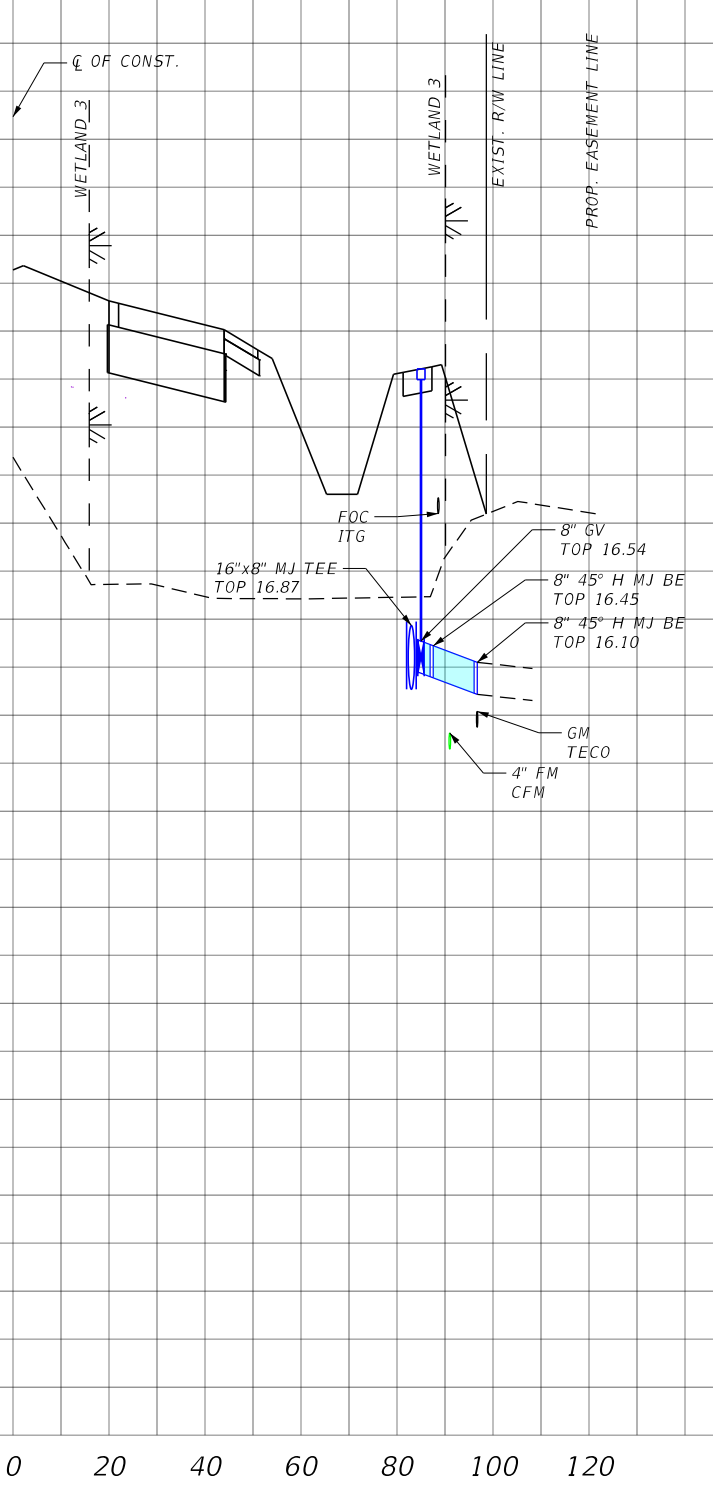
**UTILITY PROFILE**  
**WATER MAIN**

SHEET NO.  
**U-66**

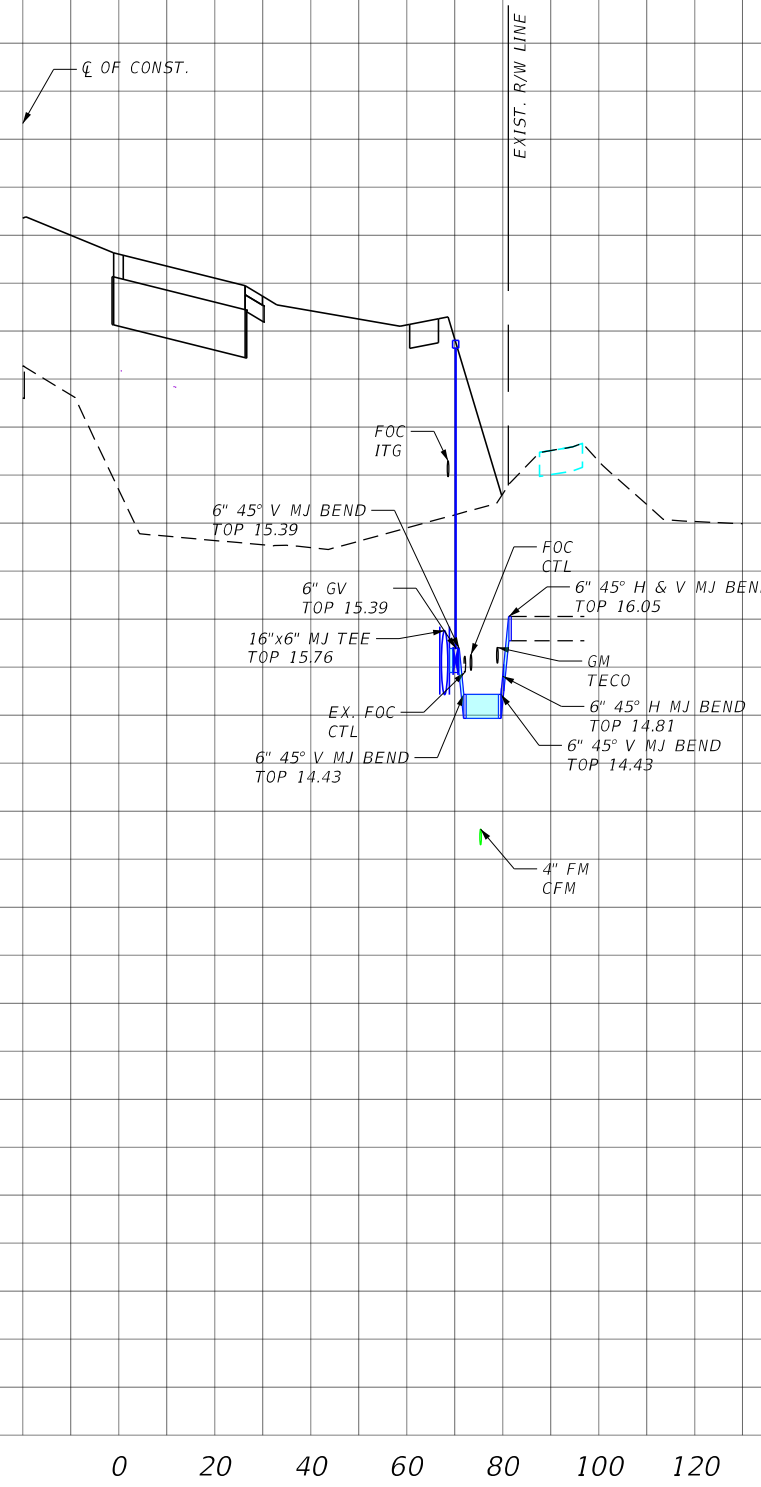
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



WATER MAIN 26+12



WATER MAIN 28+46



WATER MAIN 33+82

SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.

SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

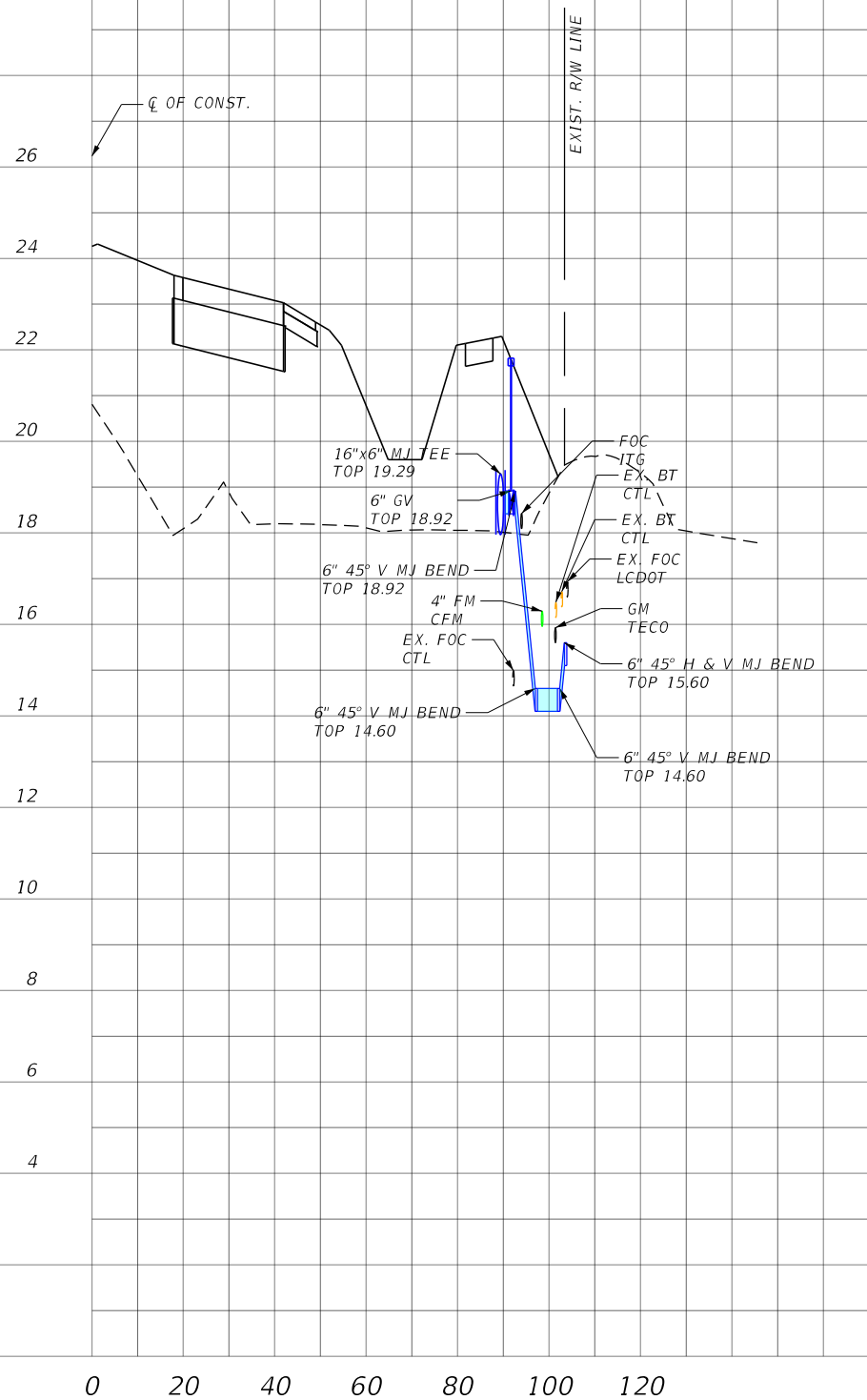
Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

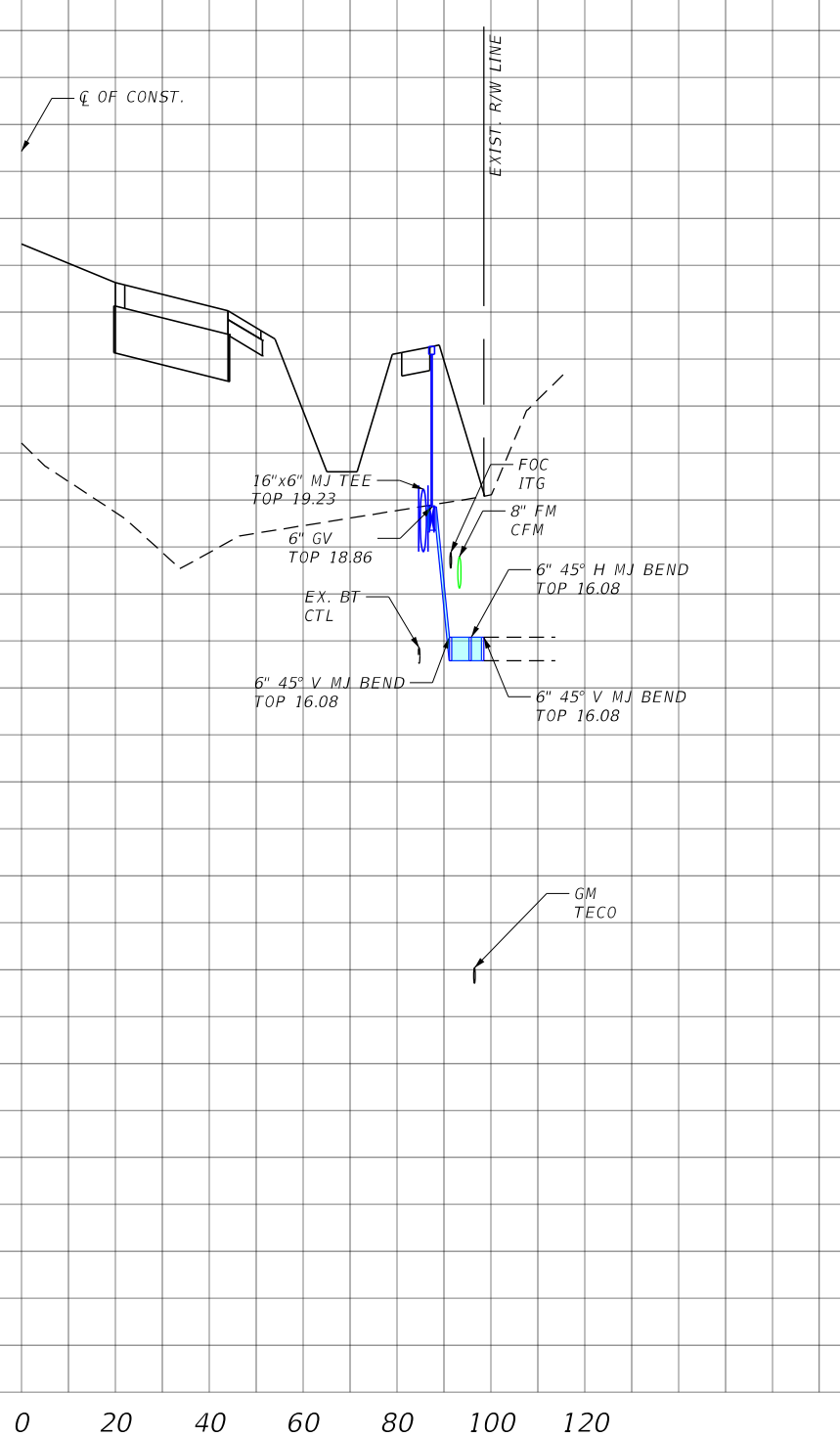
**UTILITY PROFILE**  
**WATER MAIN CONNECTIONS**

SHEET NO.  
**U-67**

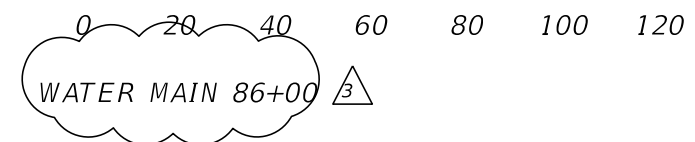
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



WATER MAIN 35+20



WATER MAIN 78+08



WATER MAIN 86+00

SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
3-28-23	REMOVED CFM WM CONNECTION DETAIL PER LCU COMMENTS.		

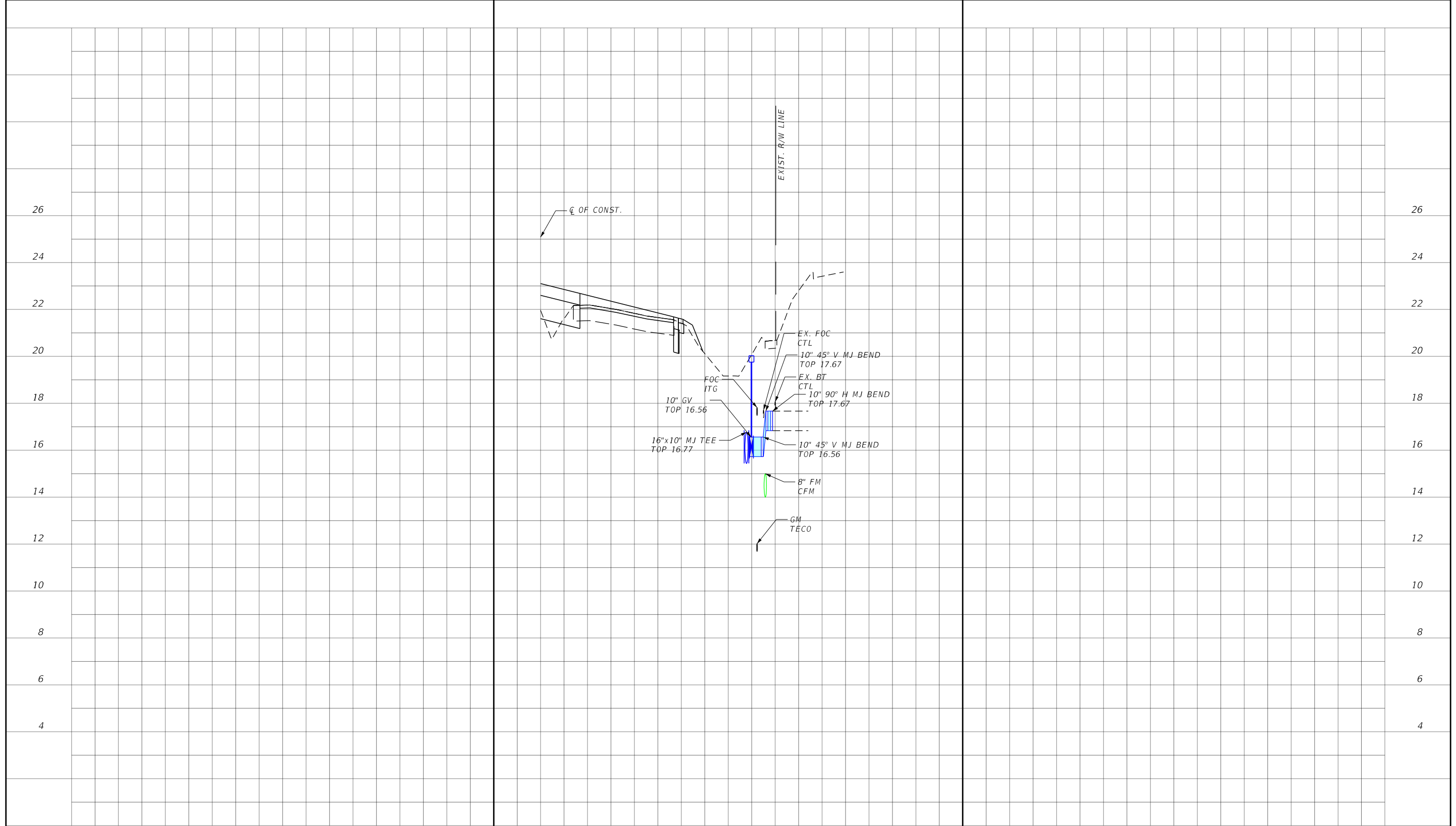
Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PROFILE**  
**WATER MAIN CONNECTIONS**

SHEET NO.  
**U-68**

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0 20 40 60 80 100 120      0 20 40 60 80 100 120      0 20 40 60 80 100 120

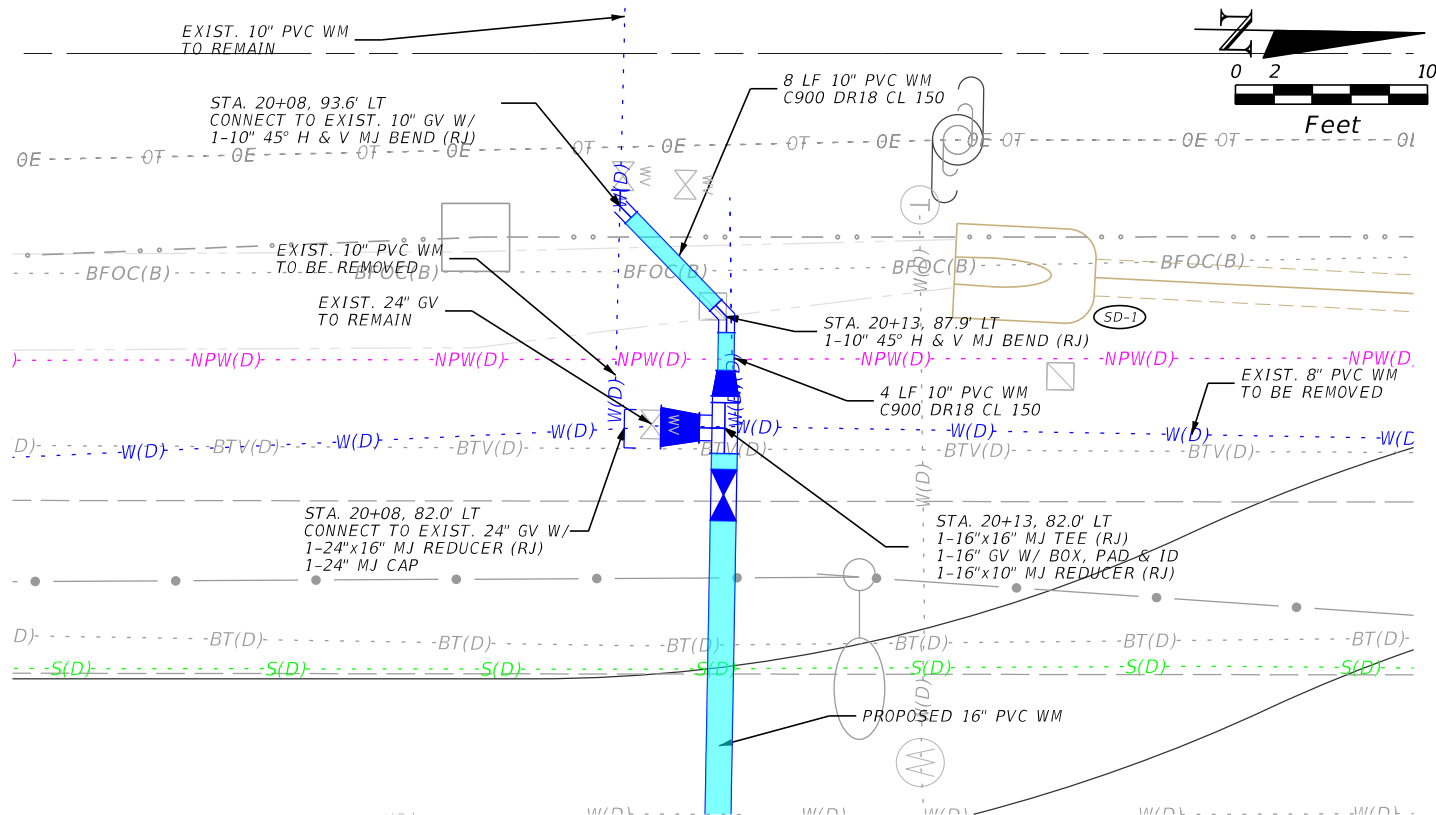
3 WATER MAIN 89+14      WATER MAIN 96+54

SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.

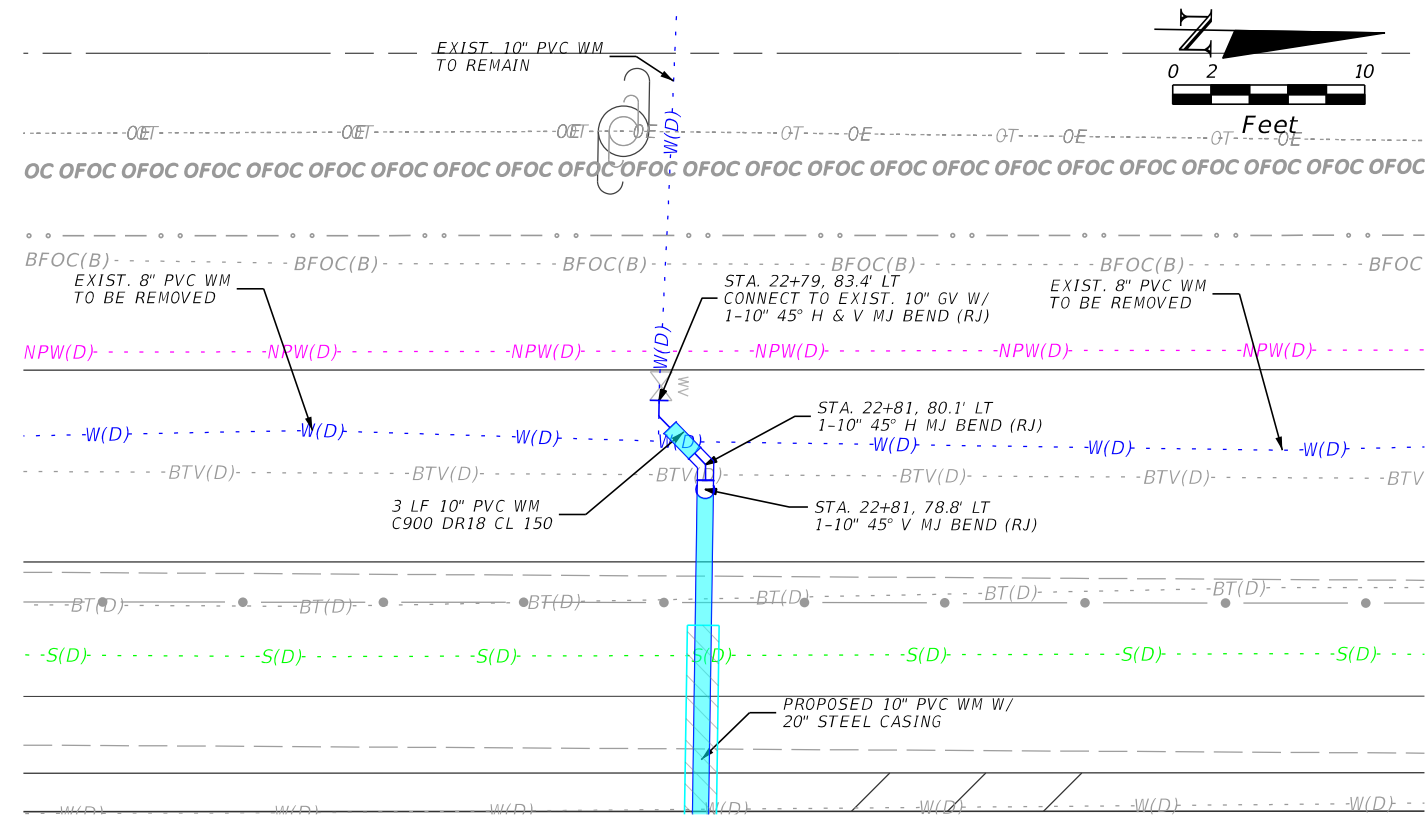
REVISIONS				CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT			<b>UTILITY PROFILE</b> <b>WATER MAIN CONNECTIONS</b>	SHEET NO.  U-69
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NAME	COUNTY	PROJECT NO.		
4-3-23	REMOVED CFM WM CONNECTION DETAIL PER LCU COMMENTS. <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">3</span>			ORTIZ AVE.	LEE	20-0055		

Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connelly, P.E. #54805

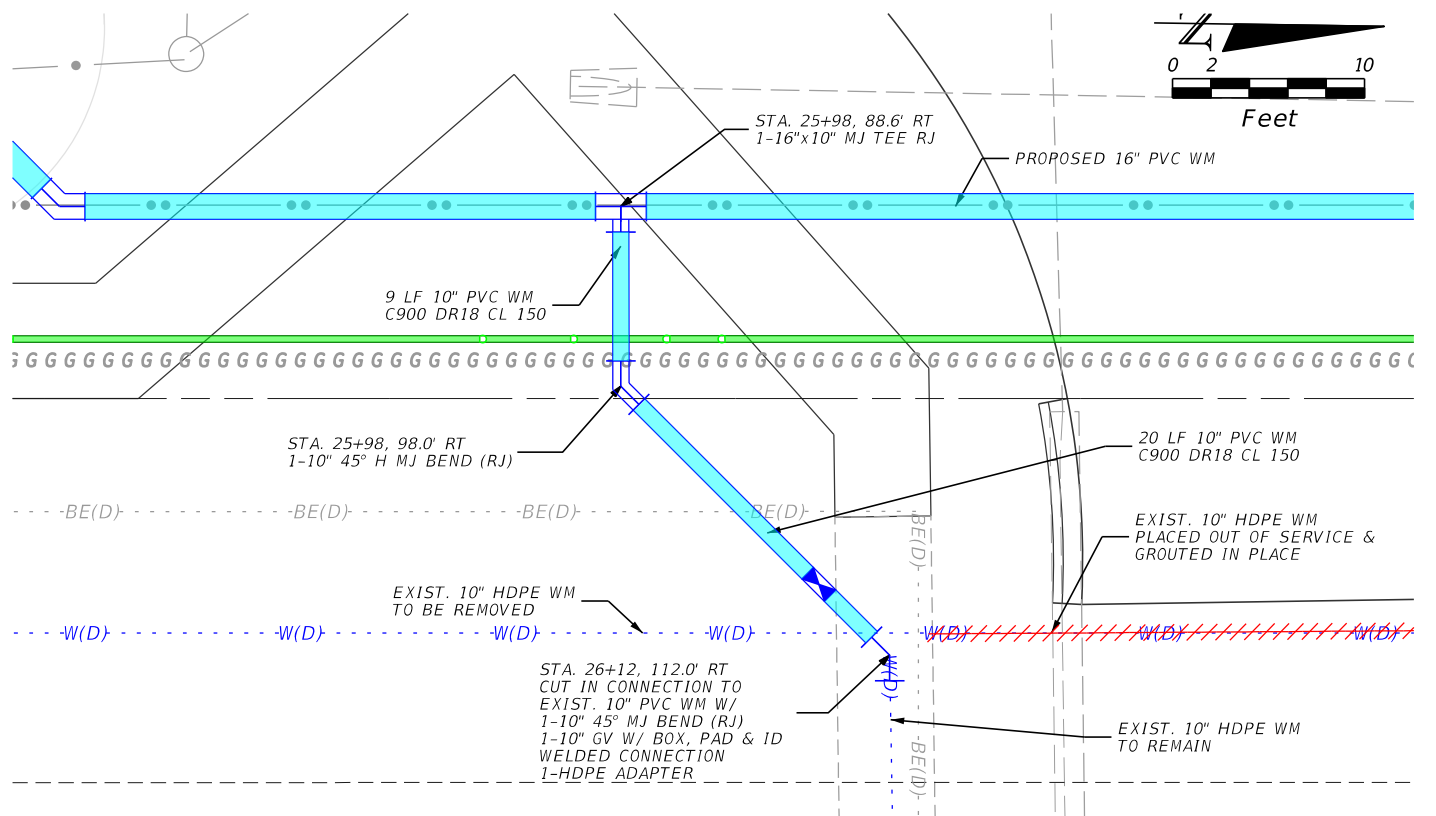
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



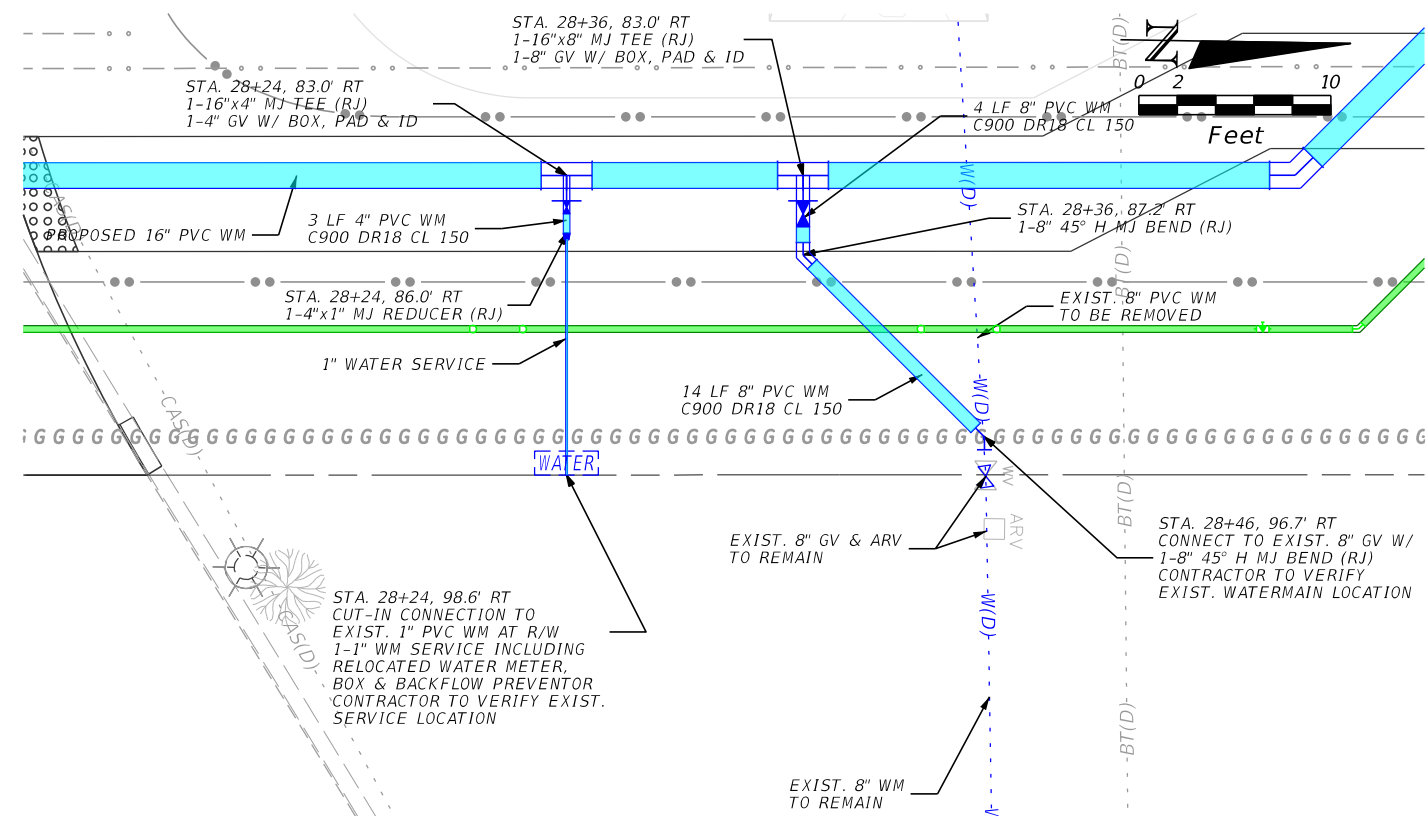
WATER CONNECTION STA. 20+08 LT



WATER CONNECTION STA. 22+79 LT



WATER CONNECTION STA. 26+12 RT



WATER CONNECTION STA. 28+24 RT & 28+46 RT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

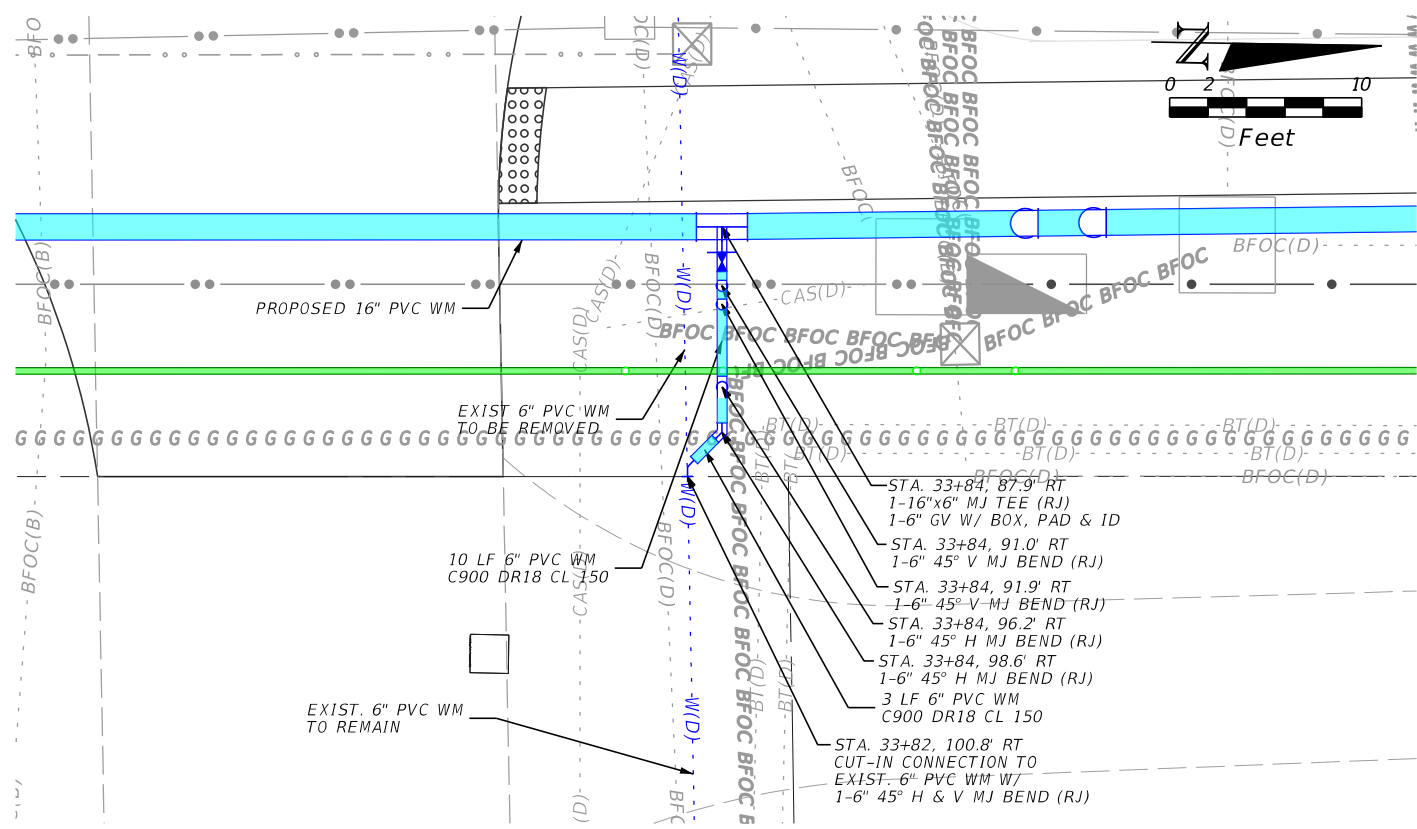
Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

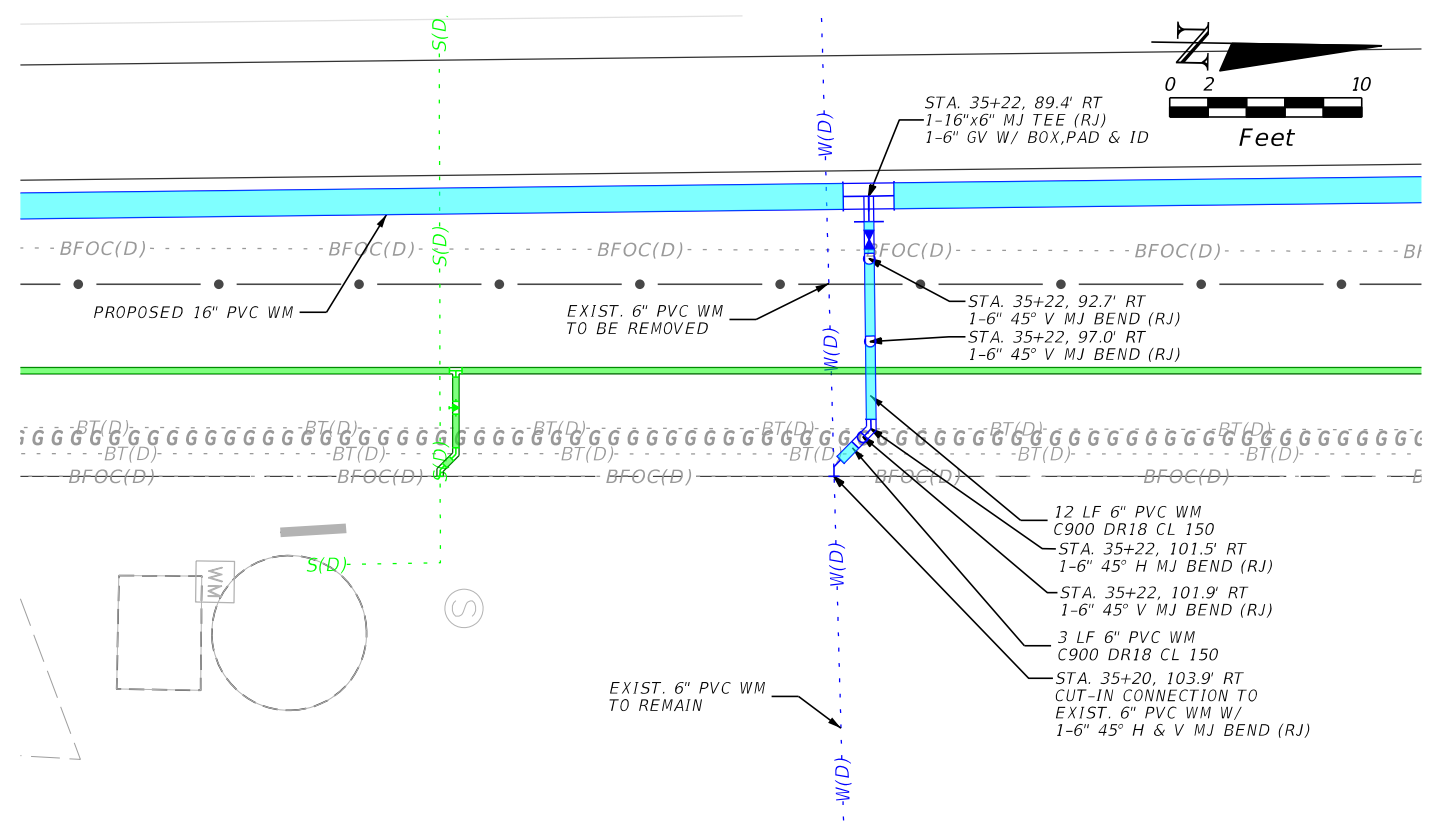
**UTILITY DETAILS**  
**WATER MAIN**

SHEET NO.  
 U-70

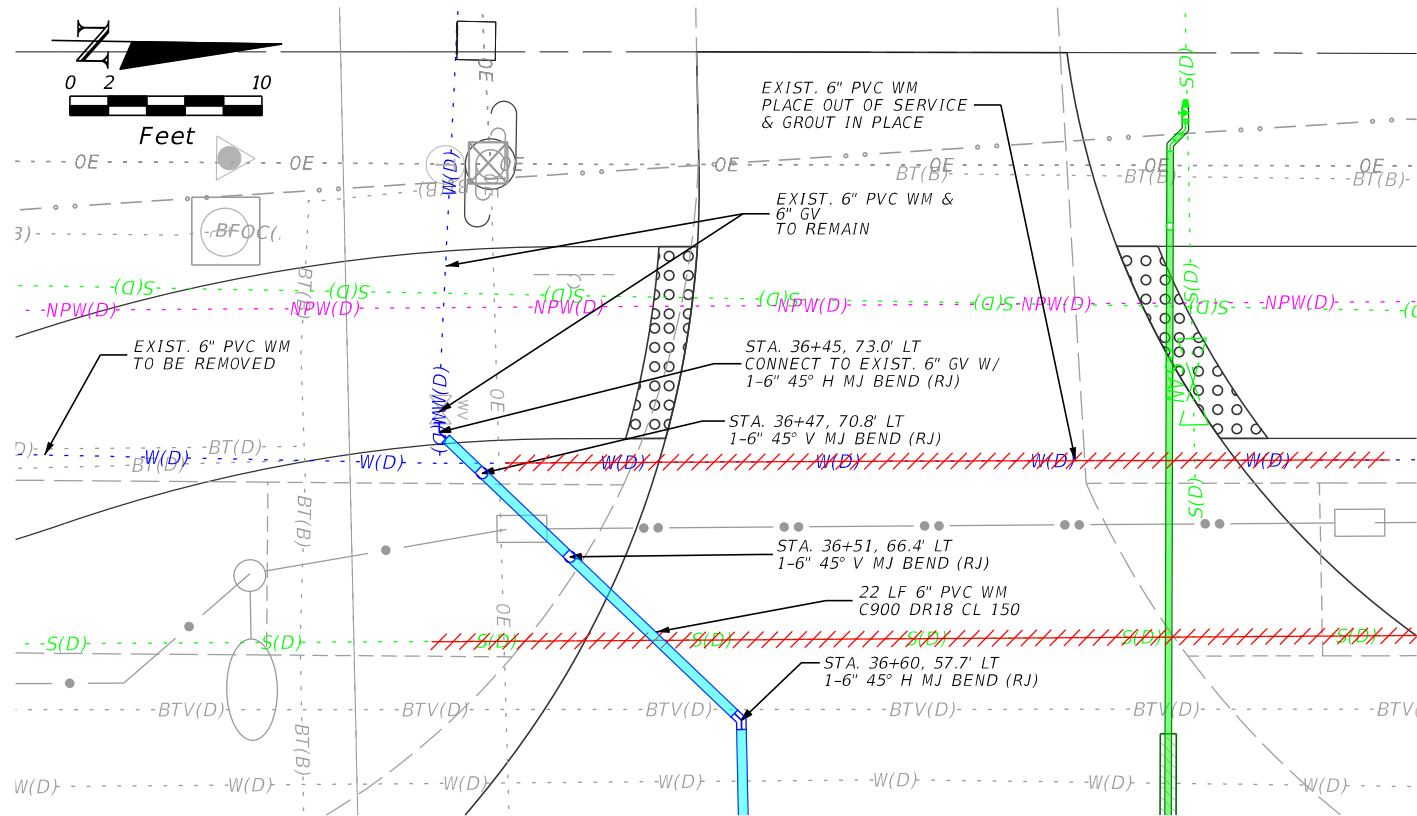
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



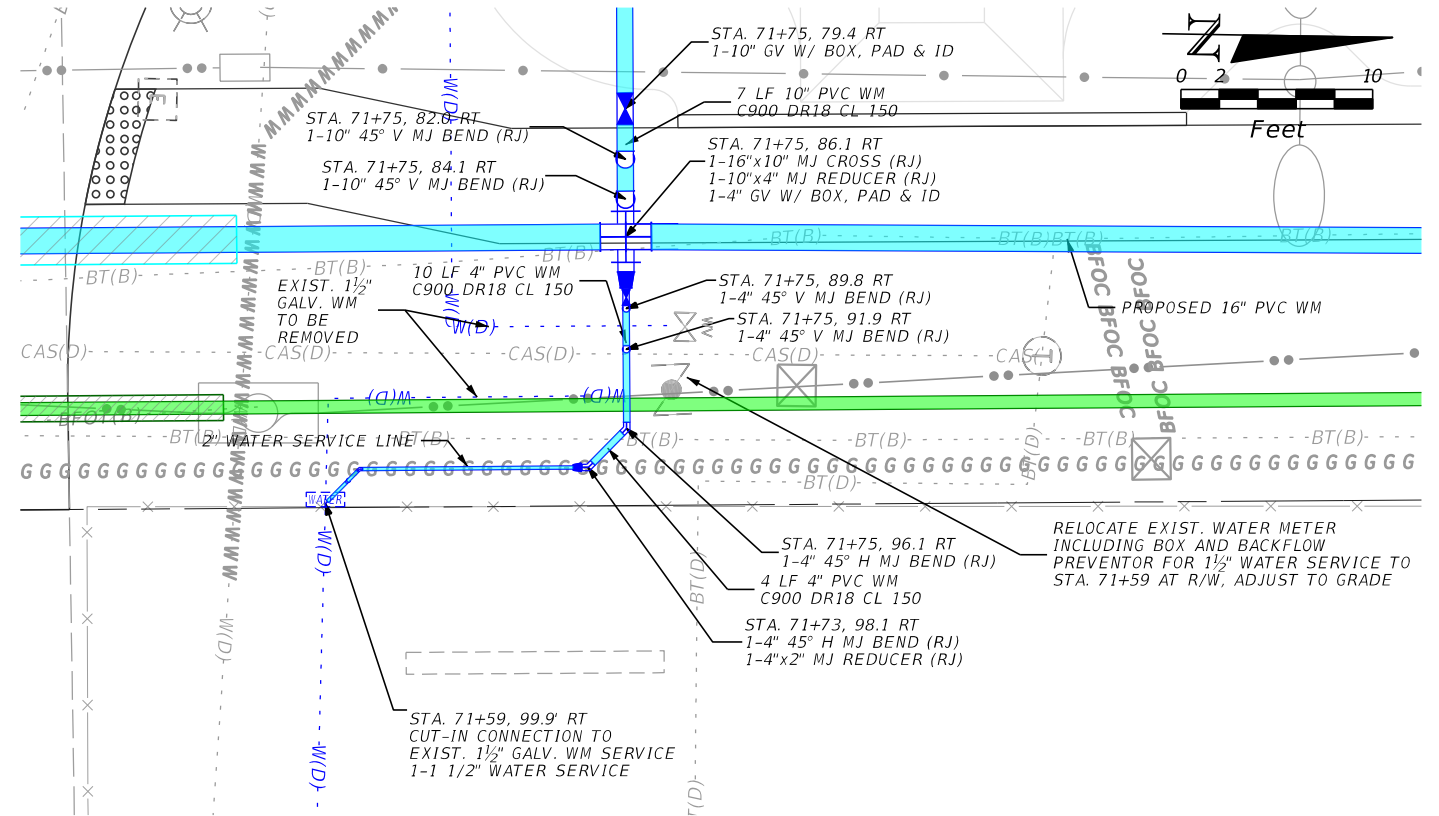
WATER CONNECTION STA. 33+82 RT



WATER CONNECTION STA. 35+20 RT



WATER CONNECTION STA. 36+45 LT



WATER CONNECTION STA. 71+59 RT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

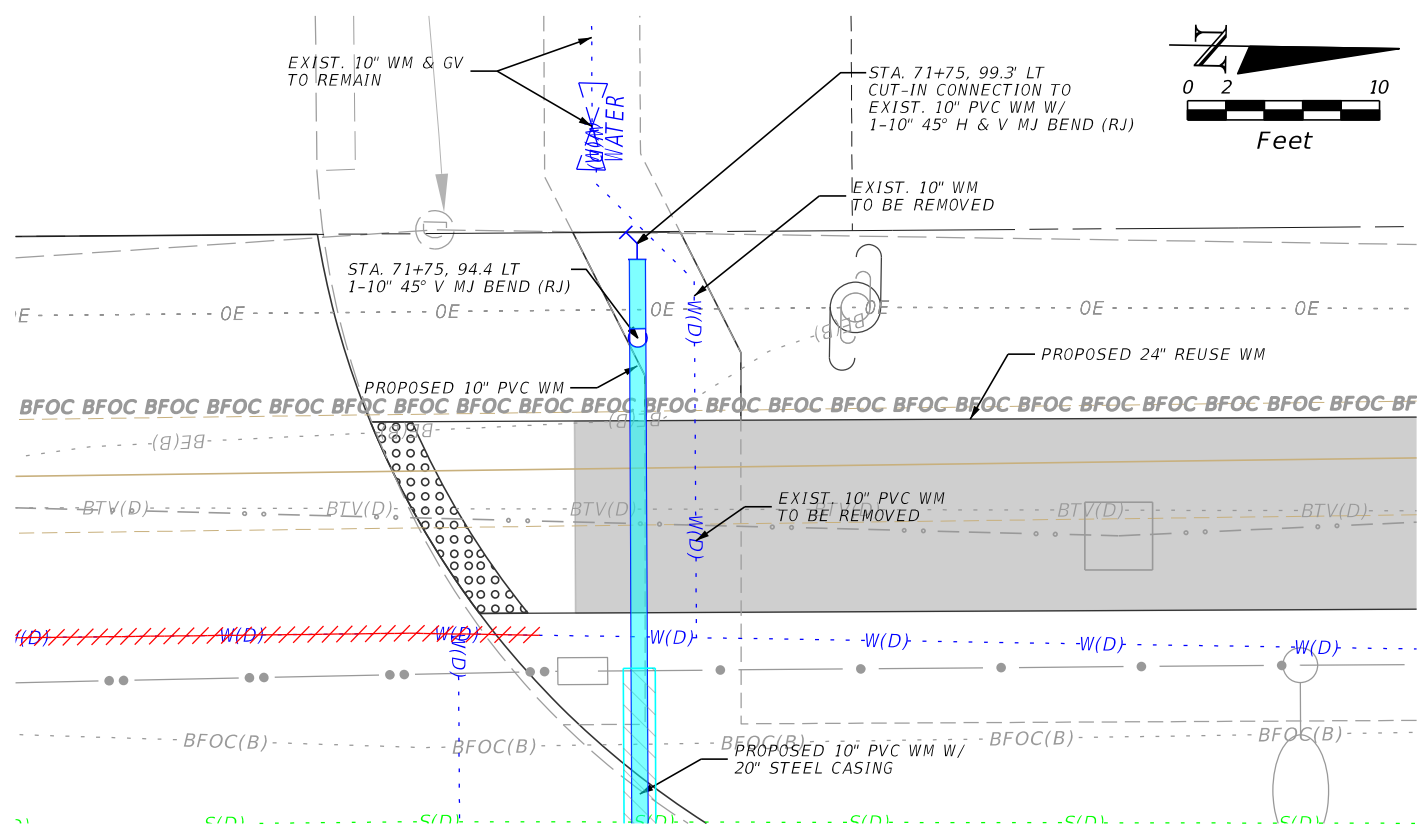
Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

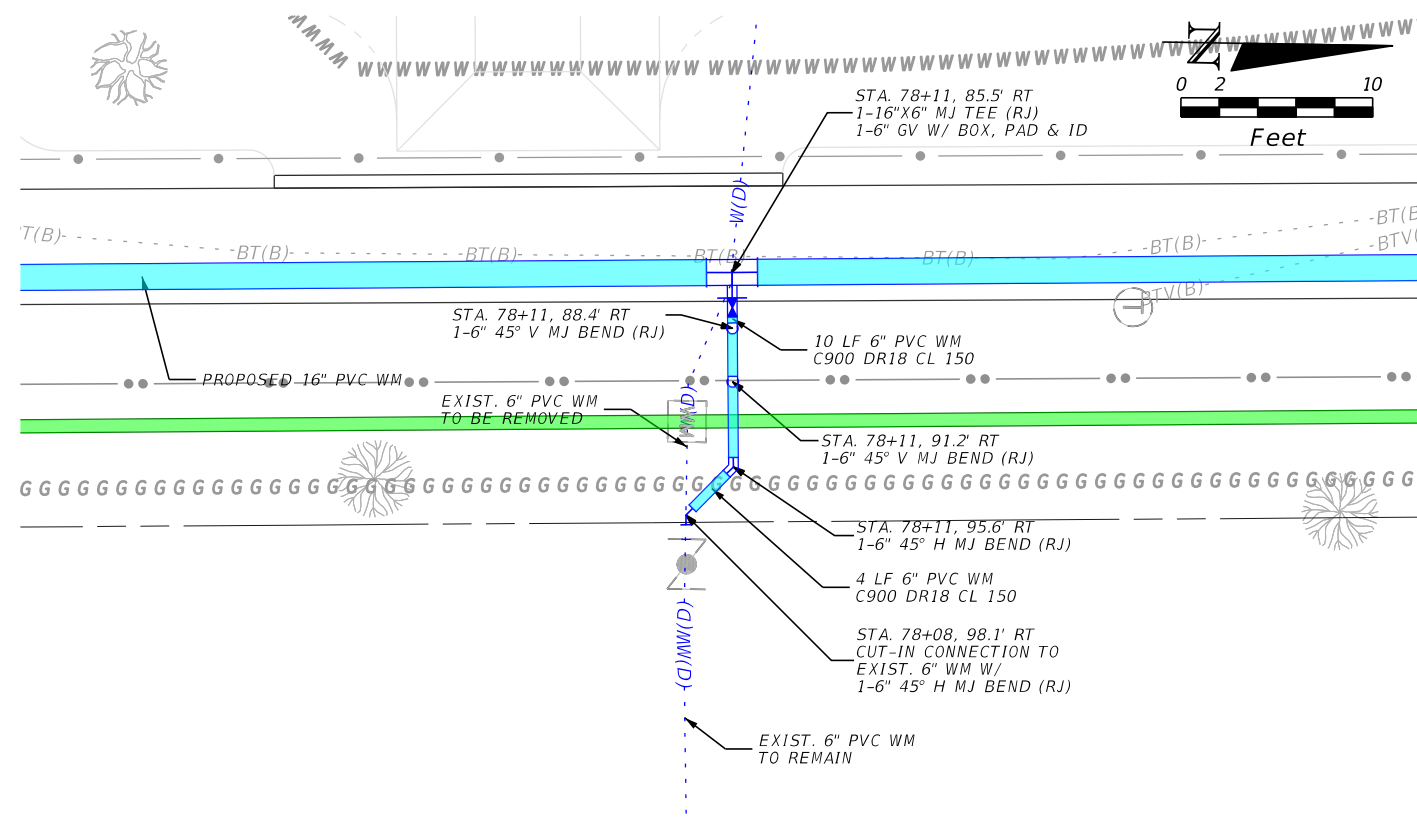
**UTILITY DETAILS**  
**WATER MAIN**

SHEET NO.  
 U-71

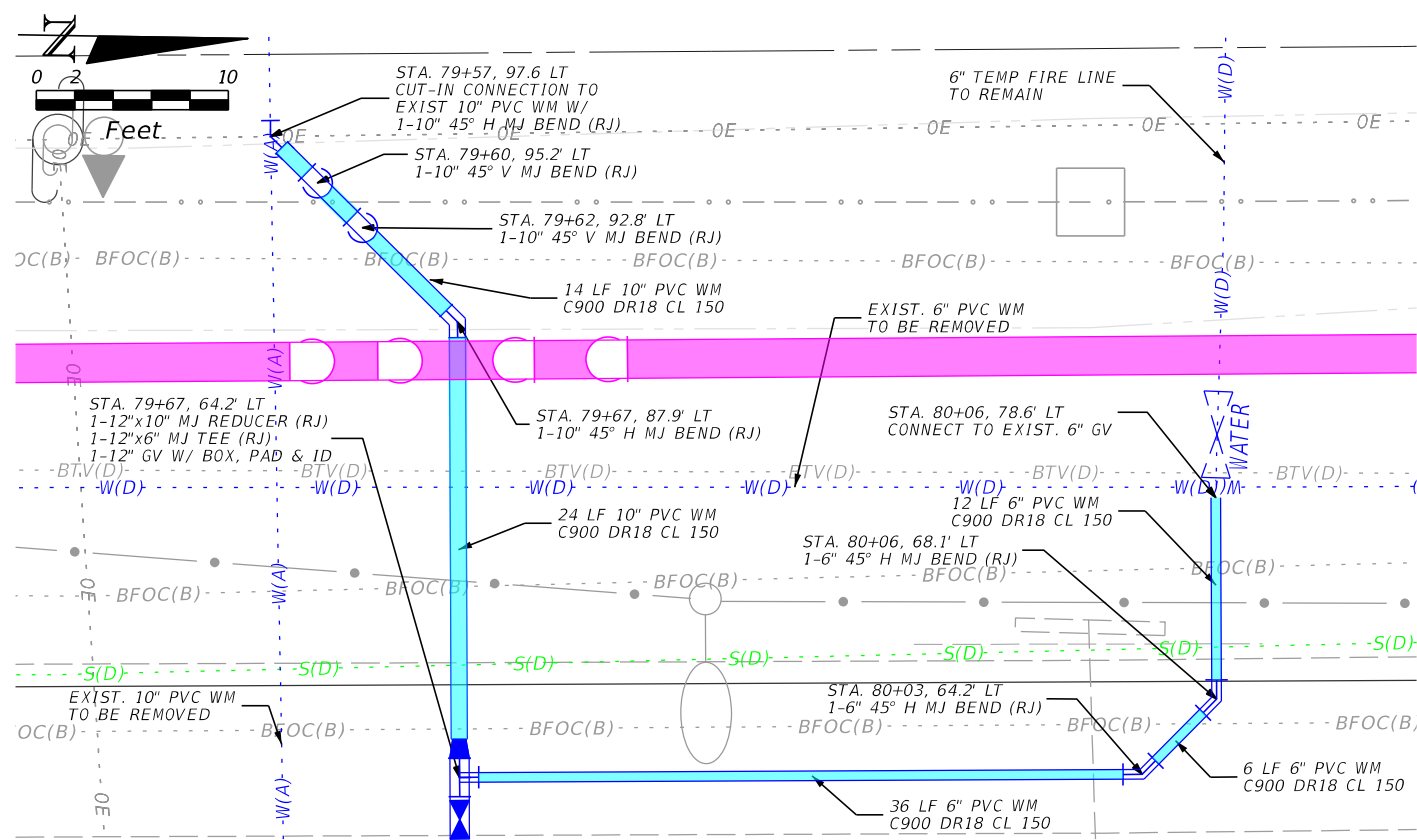
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



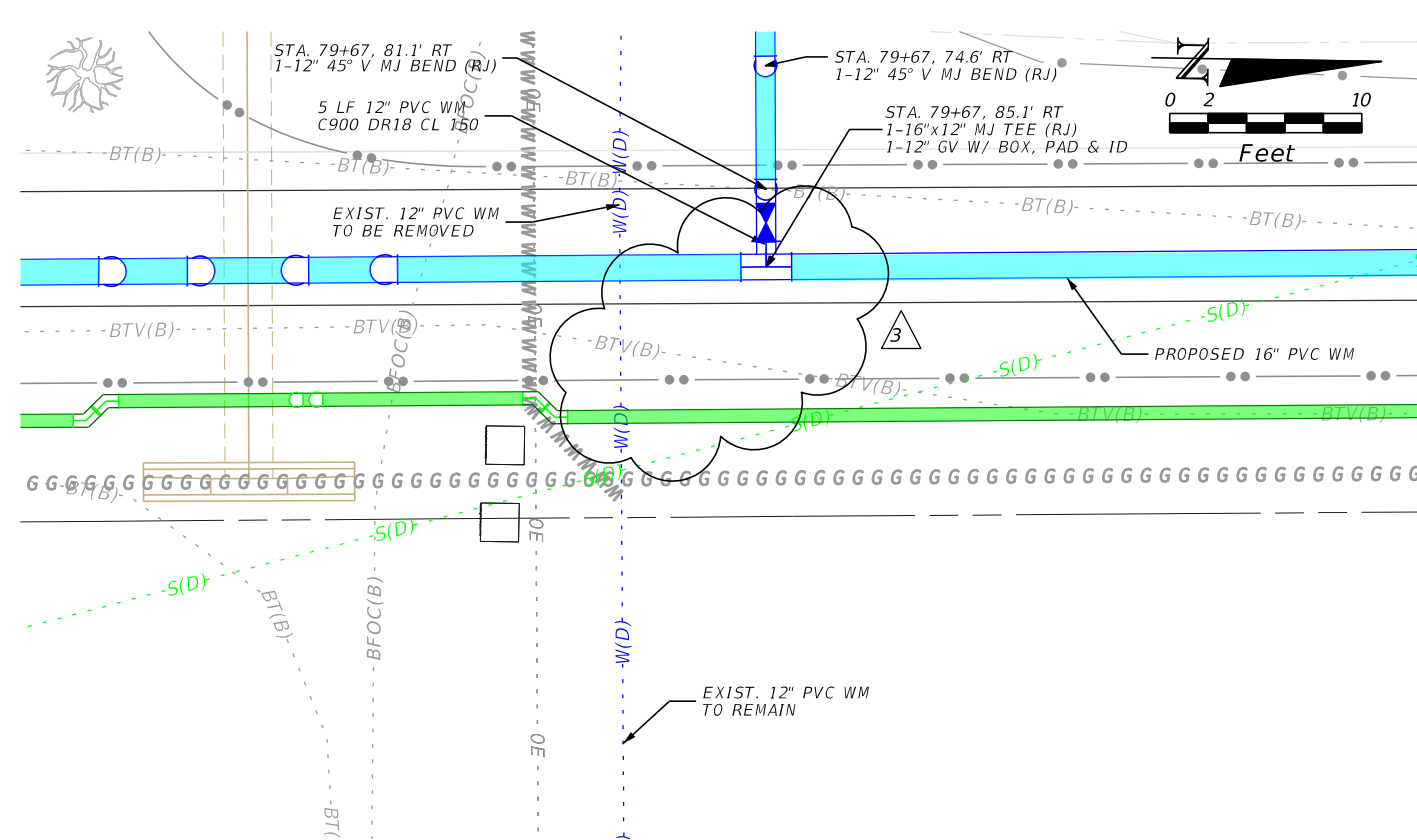
WATER CONNECTION STA. 71+75 LT



WATER CONNECTION STA. 78+08 RT



WATER CONNECTION STA. 79+57 LT



WATER CONNECTION STA. 79+59 RT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
3-28-23	REVISED CFM WM CONNECTION PER LCU COMMENTS		

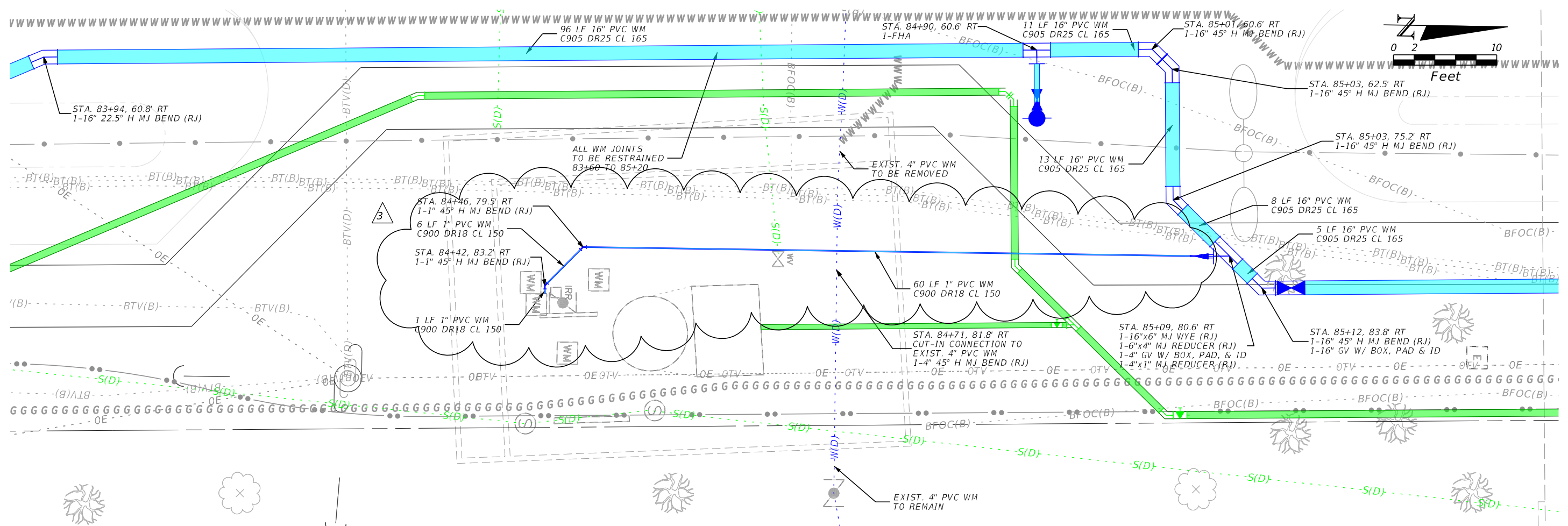
Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY DETAILS**  
**WATER MAIN**

SHEET NO.  
 U-72





WATER CONNECTION STA. 84+71 RT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
4-3-23	REVISED CFM WM CONNECTION PER LCU COMMENTS		

Stantec  
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Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connolly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

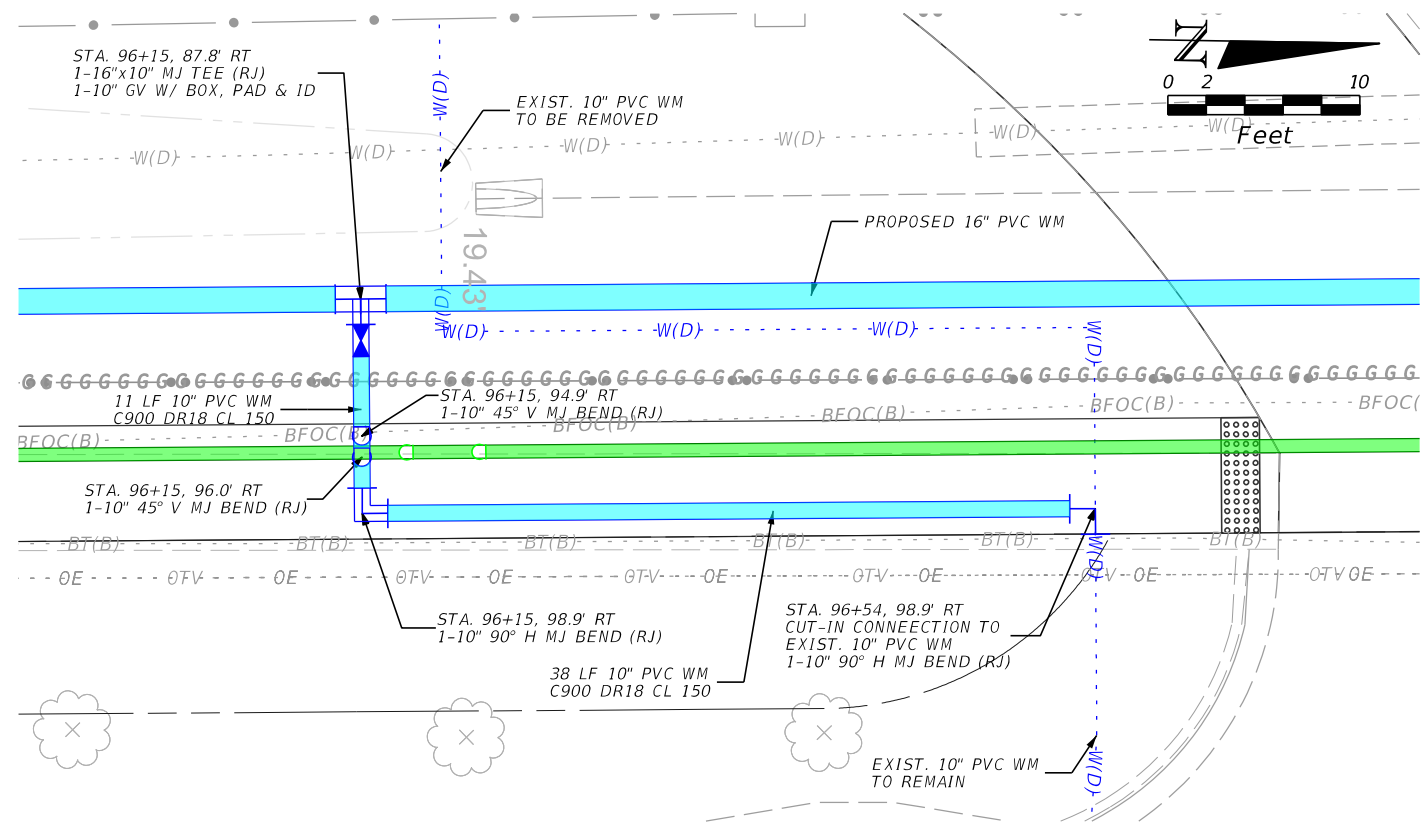
**UTILITY DETAILS**  
**WATER MAIN**

SHEET NO.  
U-73

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

WATER CONNECTION STA. 86+00 RT 3

WATER CONNECTION STA. 89+14 RT 3



WATER CONNECTION STA. 96+54 RT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
3-28-23	REMOVED CFM WM CONNECTION DETAIL PER LCU COMMENTS		

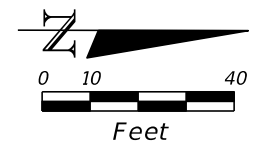
Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

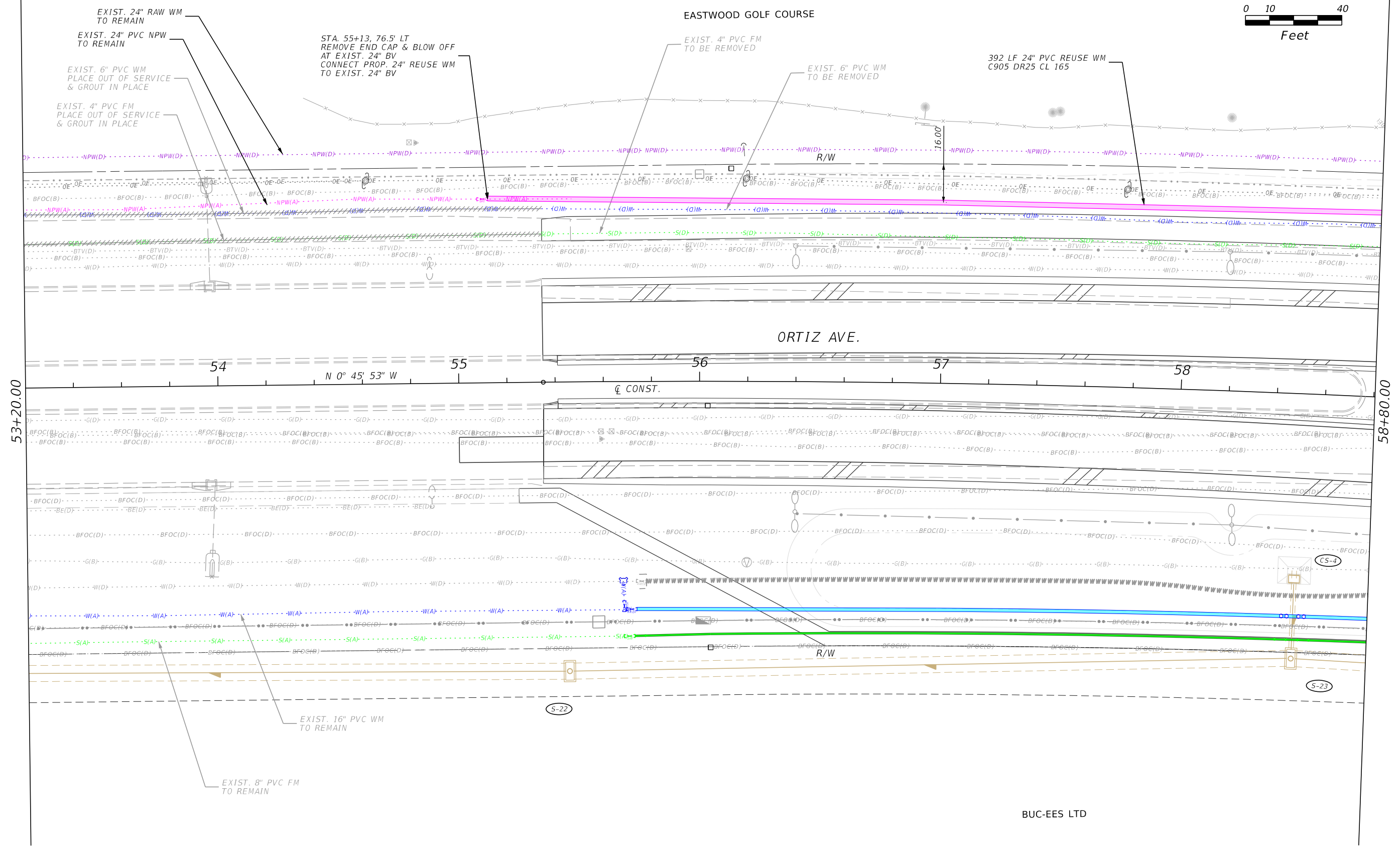
**UTILITY DETAILS**  
**WATER MAIN**

SHEET NO.  
 U-74

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



EASTWOOD GOLF COURSE



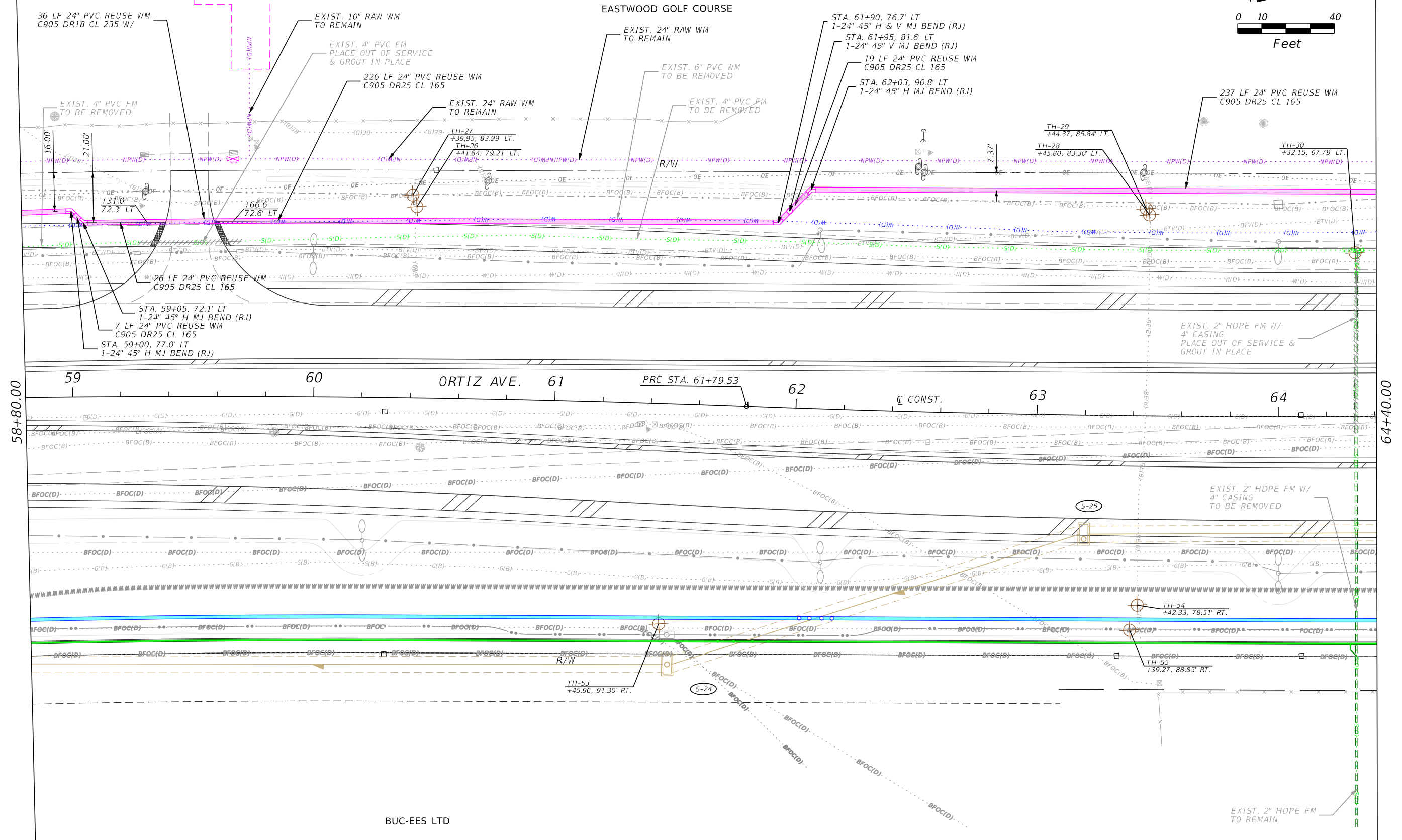
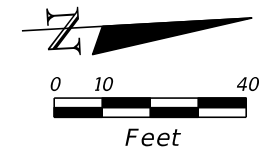
53+20.00

58+80.00

BUC-EES LTD

REVISIONS				Stantec 1821 Victoria Avenue Fort Myers, FL 33901 Ph. 239-337-3330 Kristina Connelly, P.E. #54805	CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT			UTILITY PLAN REUSE WATER MAIN	SHEET NO. U-75
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NAME	COUNTY	PROJECT NO.		
					ORTIZ AVE.	LEE	20-0055		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



58+80.00

64+40.00

BUC-EES LTD

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

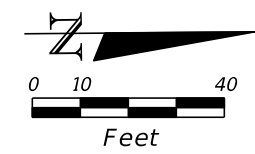
Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

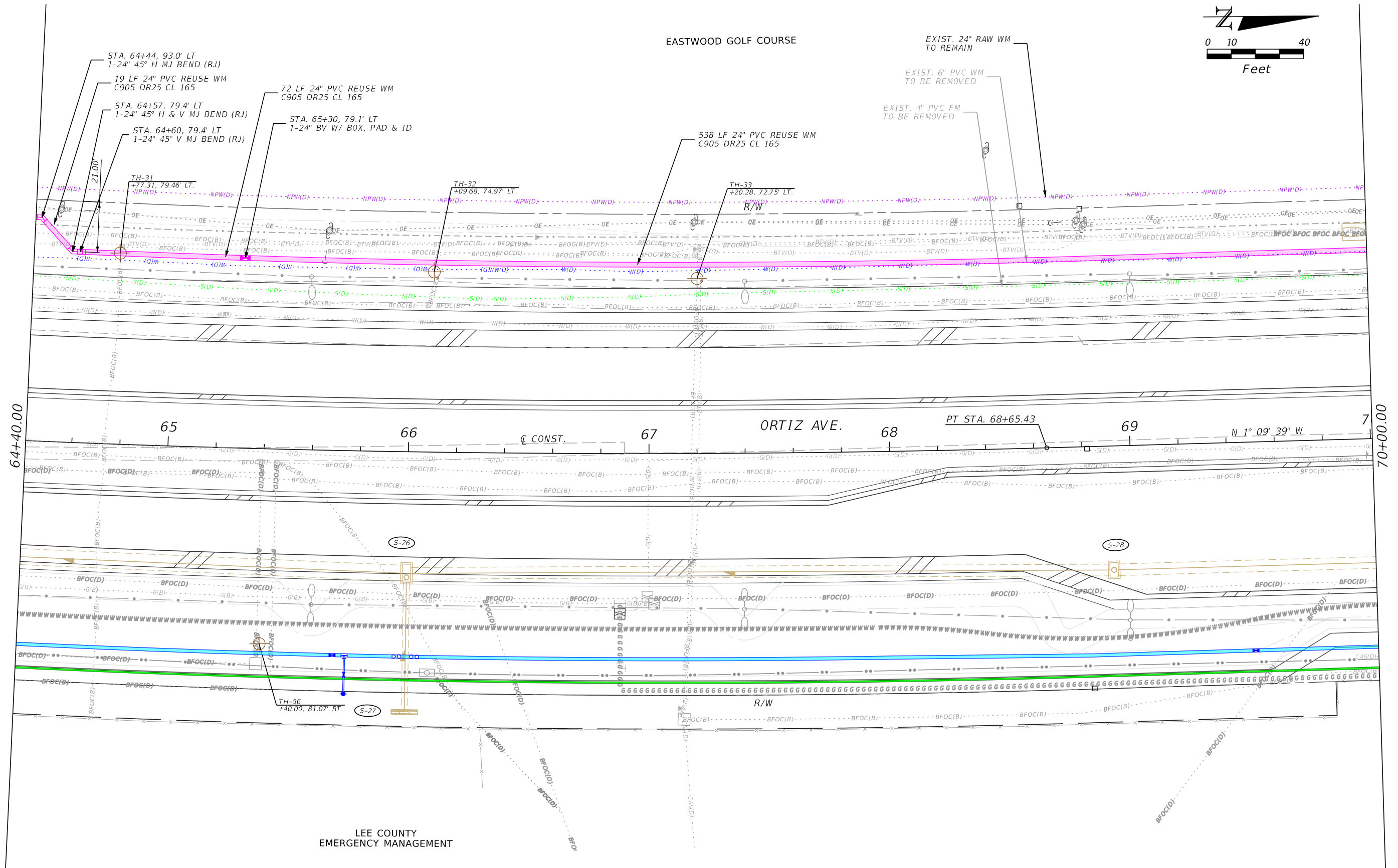
**UTILITY PLAN**  
**REUSE WATER MAIN**

SHEET NO.  
**U-76**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



EASTWOOD GOLF COURSE



LEE COUNTY  
EMERGENCY MANAGEMENT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

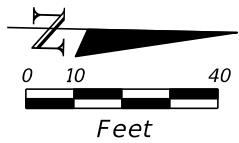
Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

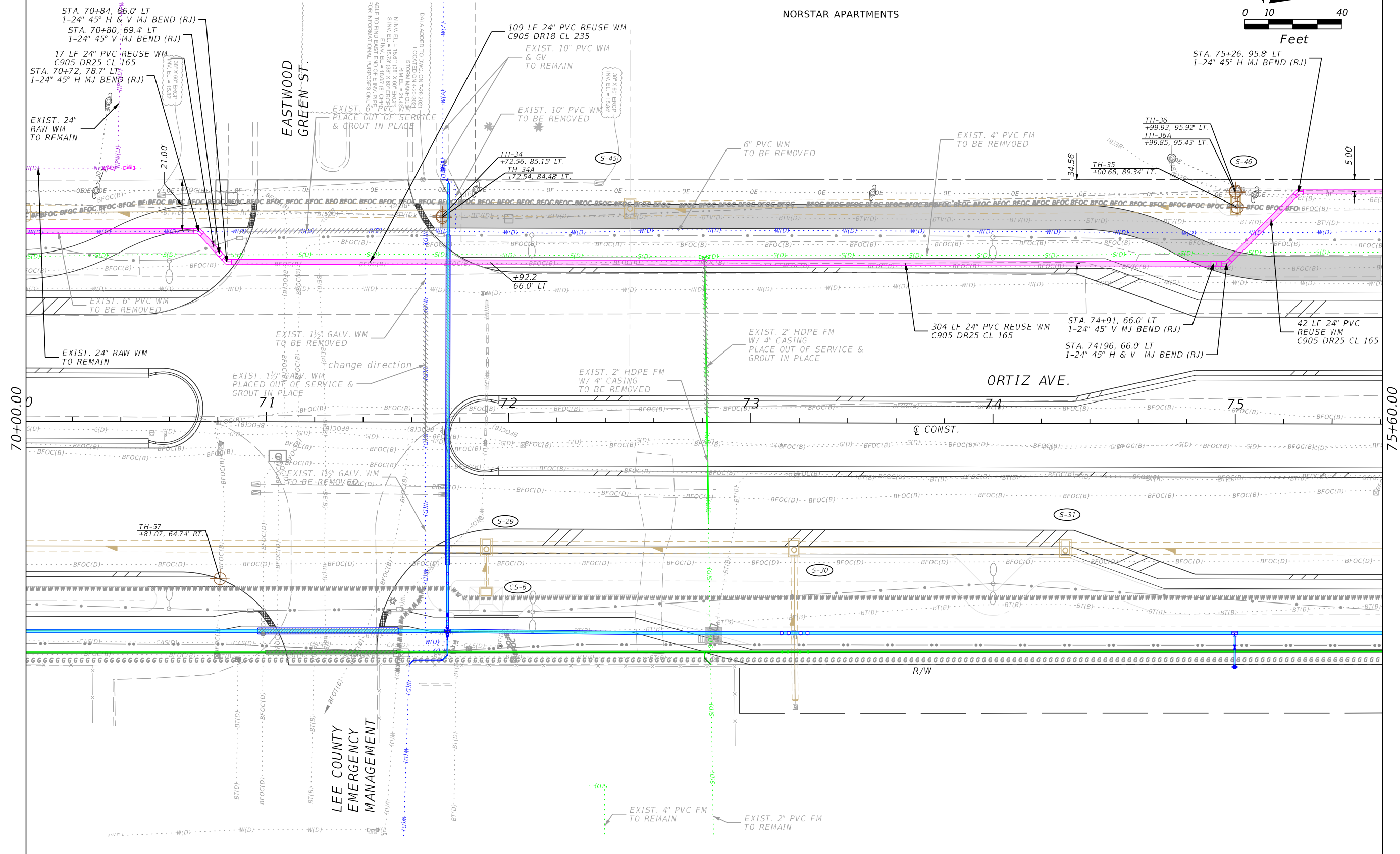
**UTILITY PLAN**  
**REUSE WATER MAIN**

SHEET NO.  
**U-77**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



NORSTAR APARTMENTS



LEE COUNTY  
EMERGENCY  
MANAGEMENT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

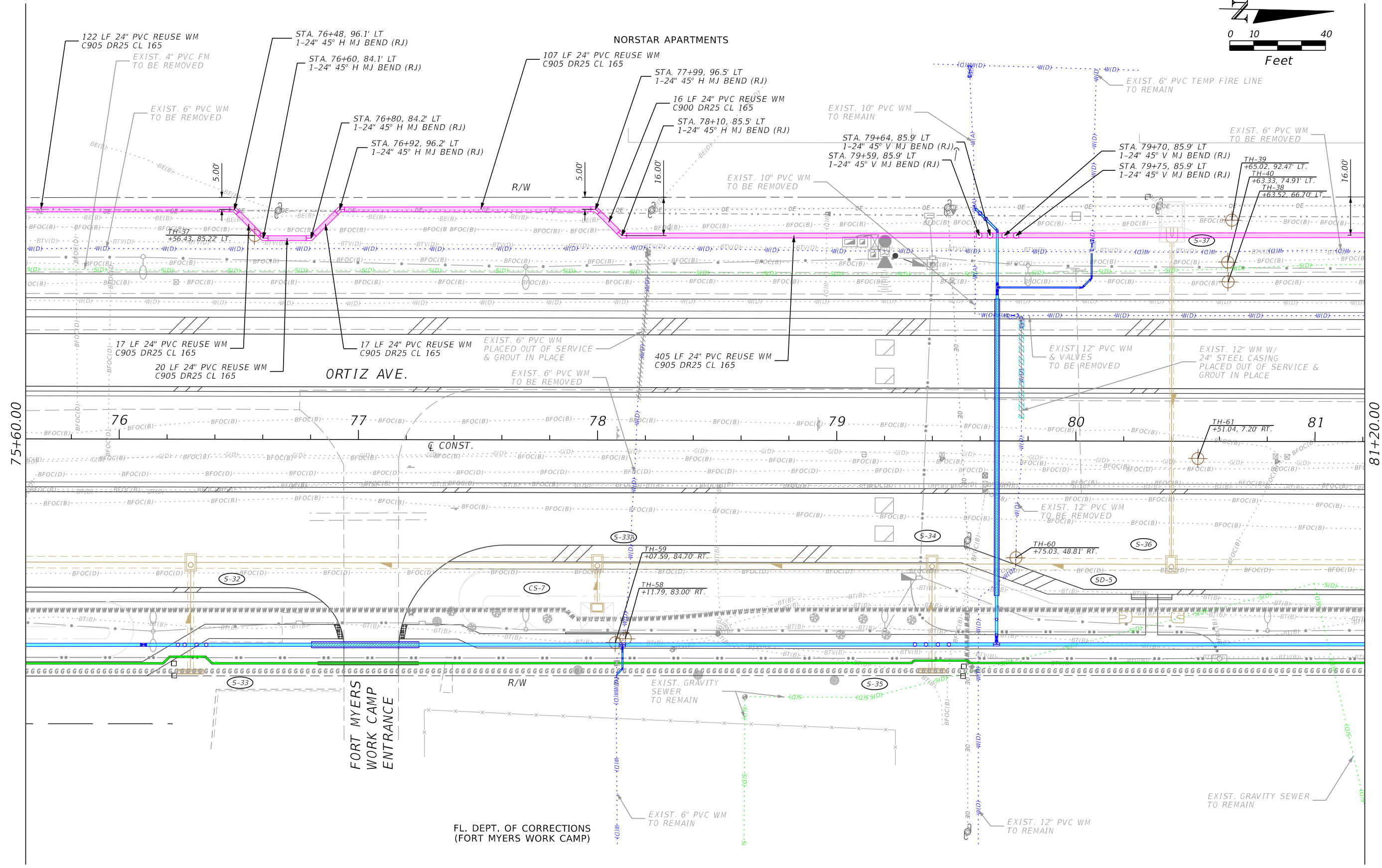
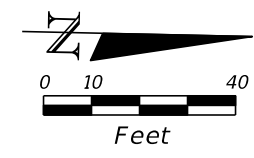
Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PLAN**  
**REUSE WATER MAIN**

SHEET NO.  
U-78

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

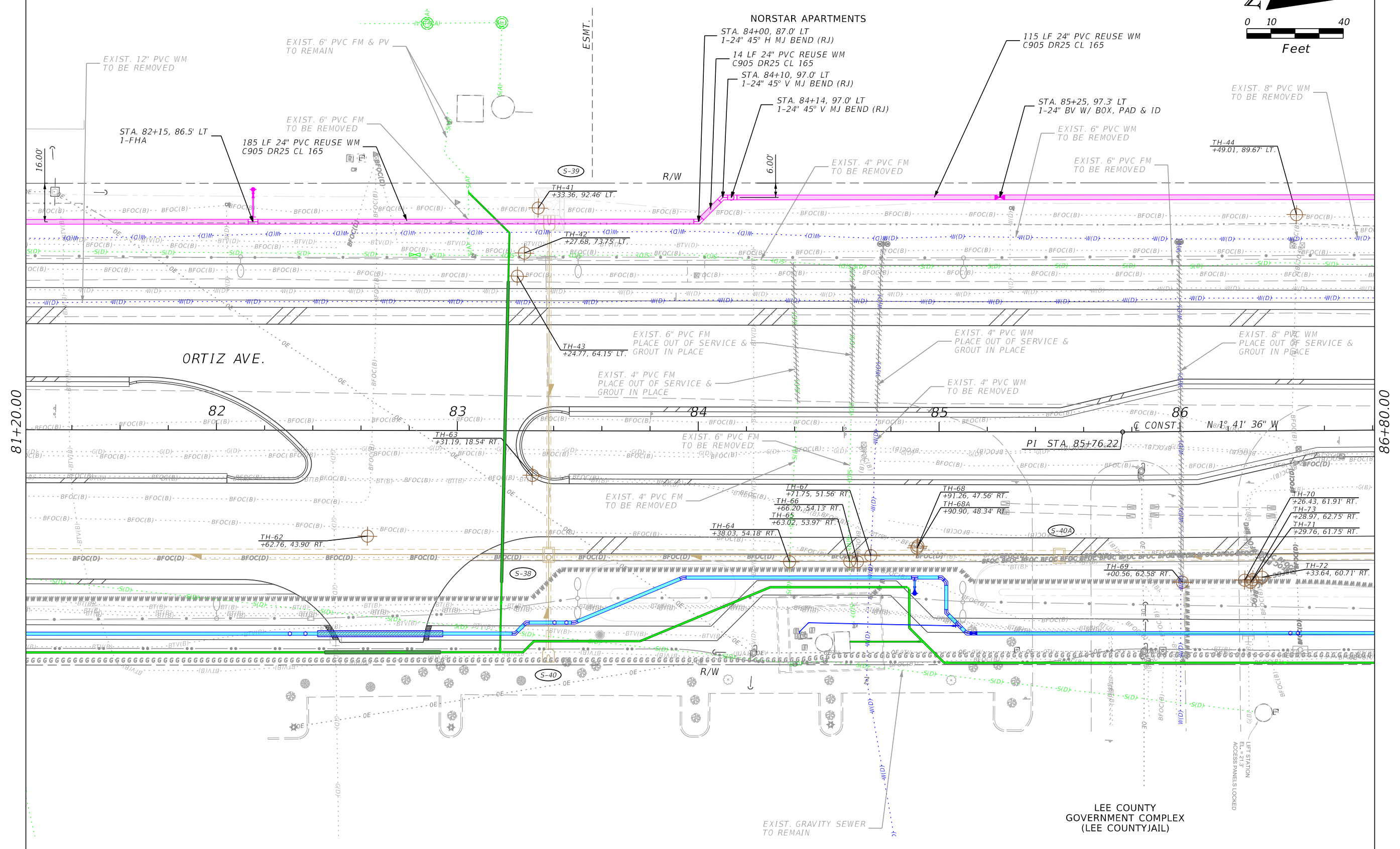
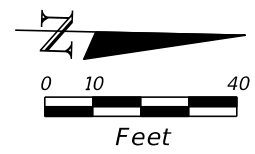
Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PLAN**  
**REUSE WATER MAIN**

SHEET NO.  
 U-79

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

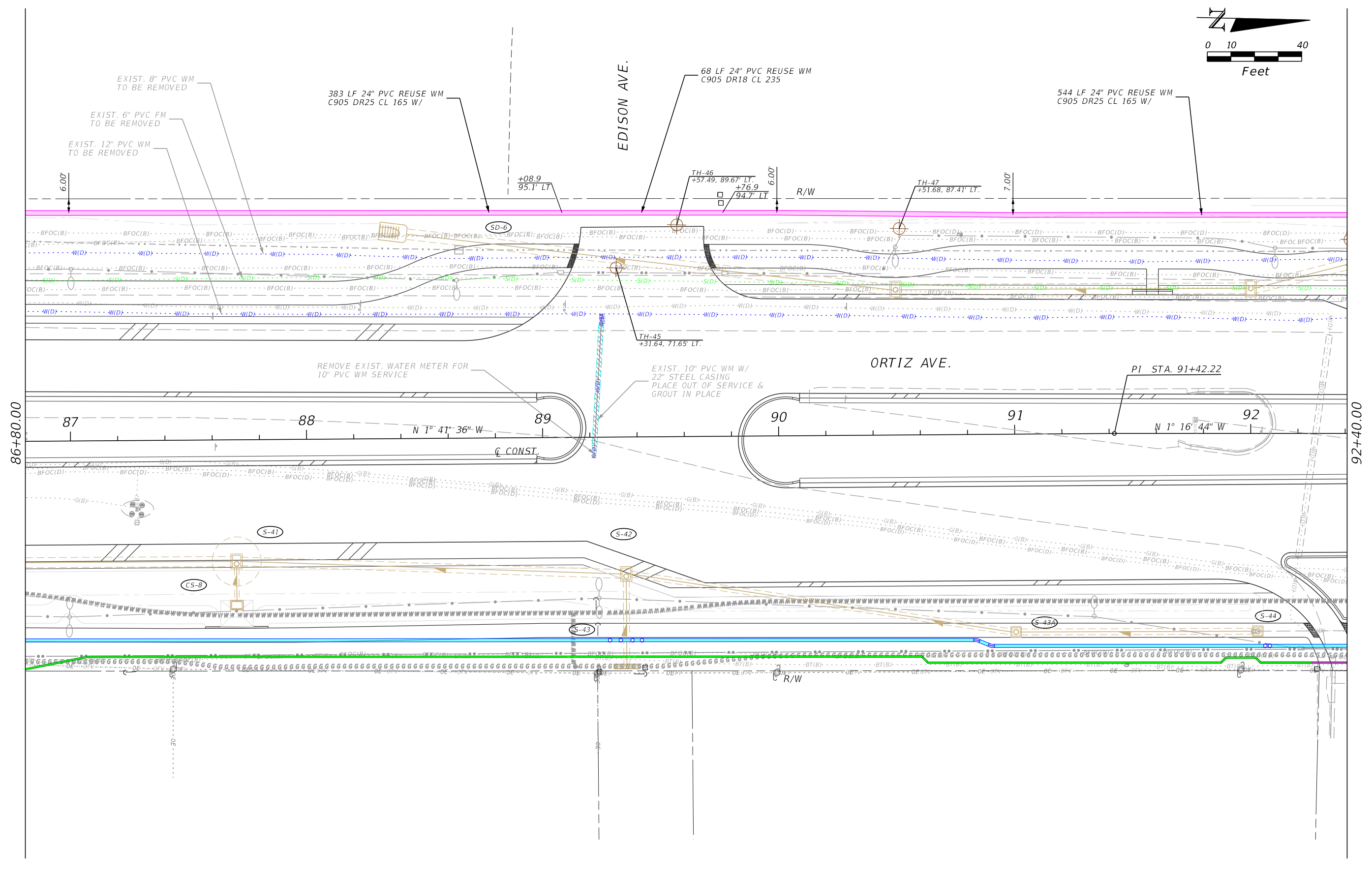
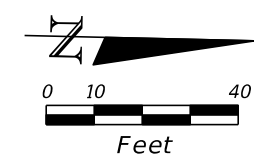
CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PLAN**  
**REUSE WATER MAIN**

SHEET NO.  
**U-80**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.





REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

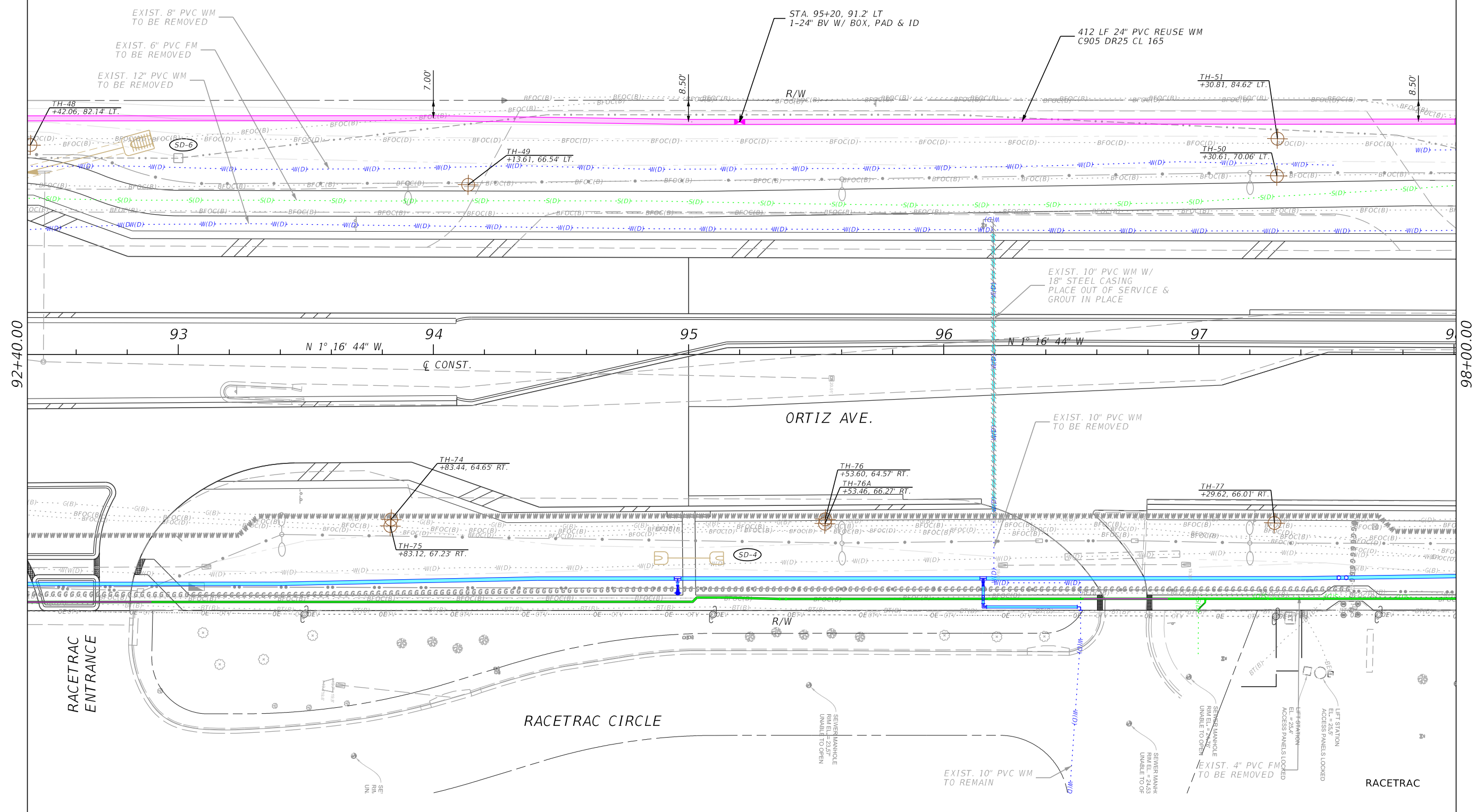
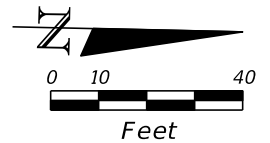
Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PLAN**  
**REUSE WATER MAIN**

SHEET NO.  
**U-81**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

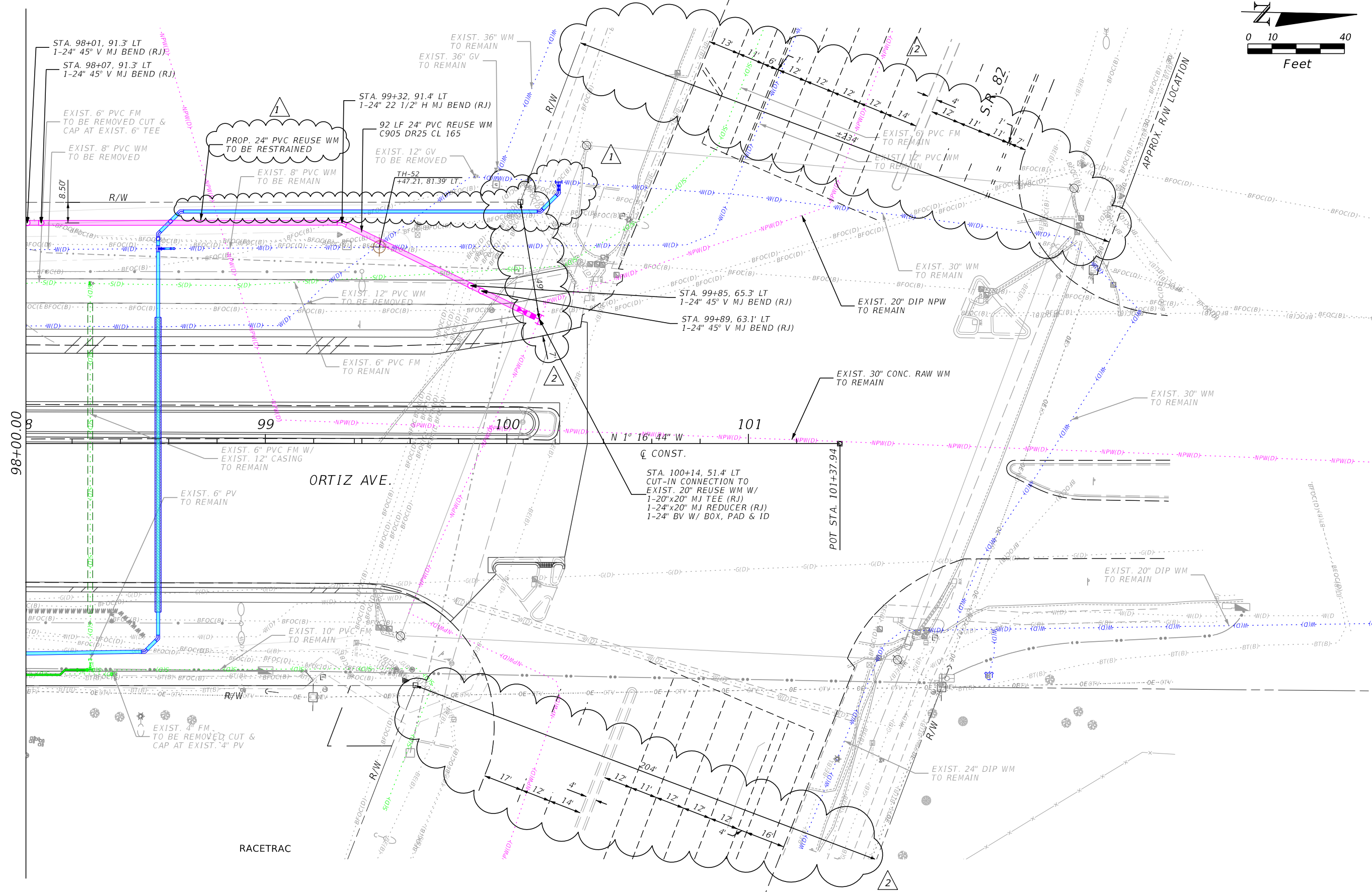
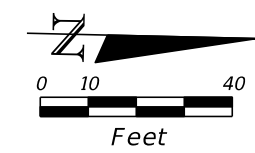
Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PLAN**  
**REUSE WATER MAIN**

SHEET NO.  
**U-82**

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101+37.08 Ext. 222.92

REVISIONS	
DATE	DESCRIPTION
6-22-22	ADDED RESTRAIN LABEL. REVISED WM CONNECTION. <span style="float: right;">1</span>
8-17-22	ADDED DIMENSIONS. <span style="float: right;">2</span>

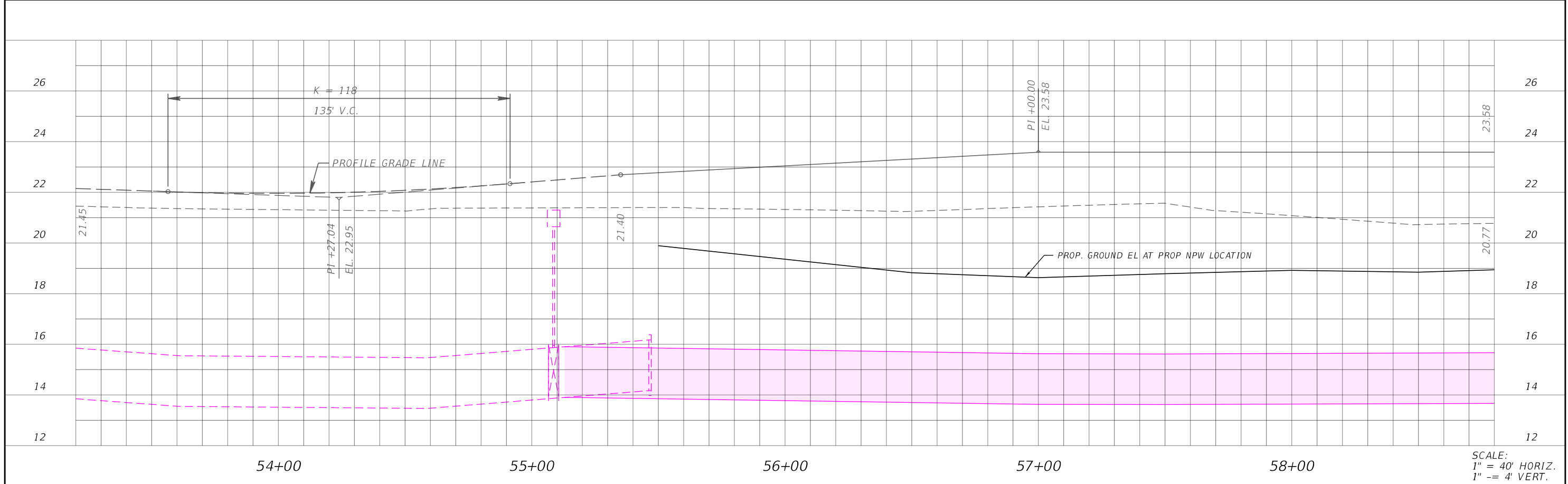
Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

<b>CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT</b>		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

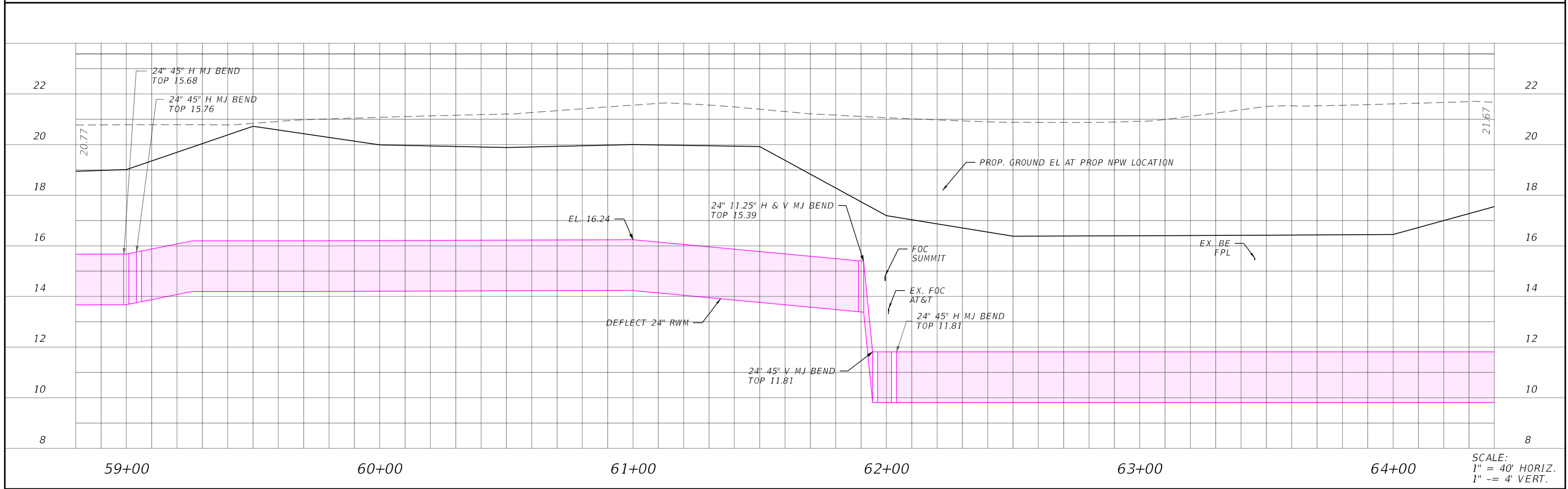
**UTILITY PLAN  
REUSE WATER MAIN**

SHEET NO.  
**U-83**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.



SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

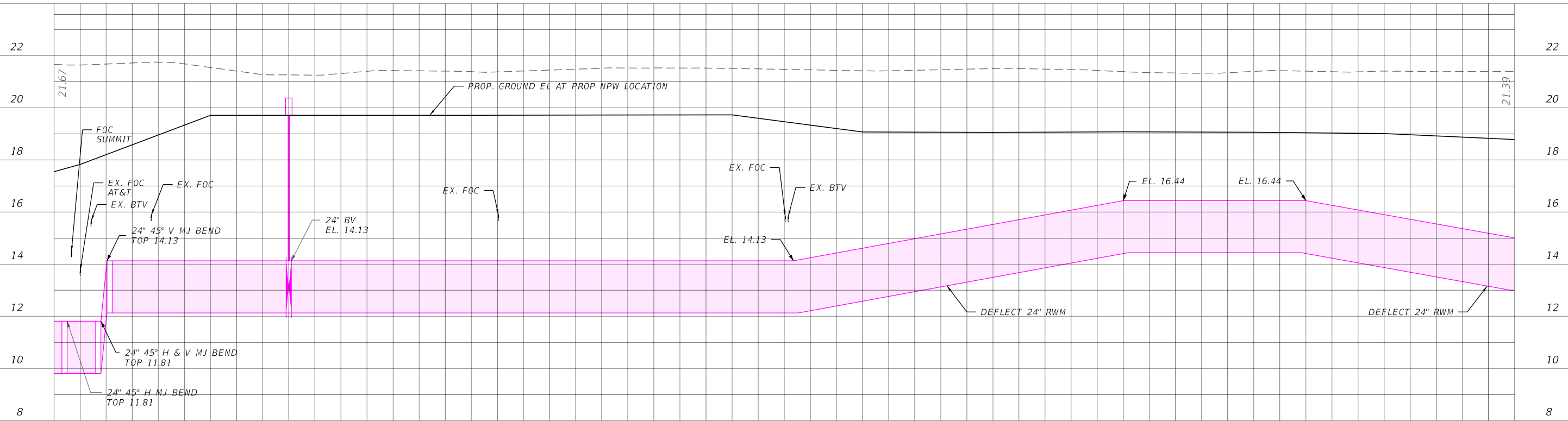
Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PROFILE  
REUSE WATER MAIN**

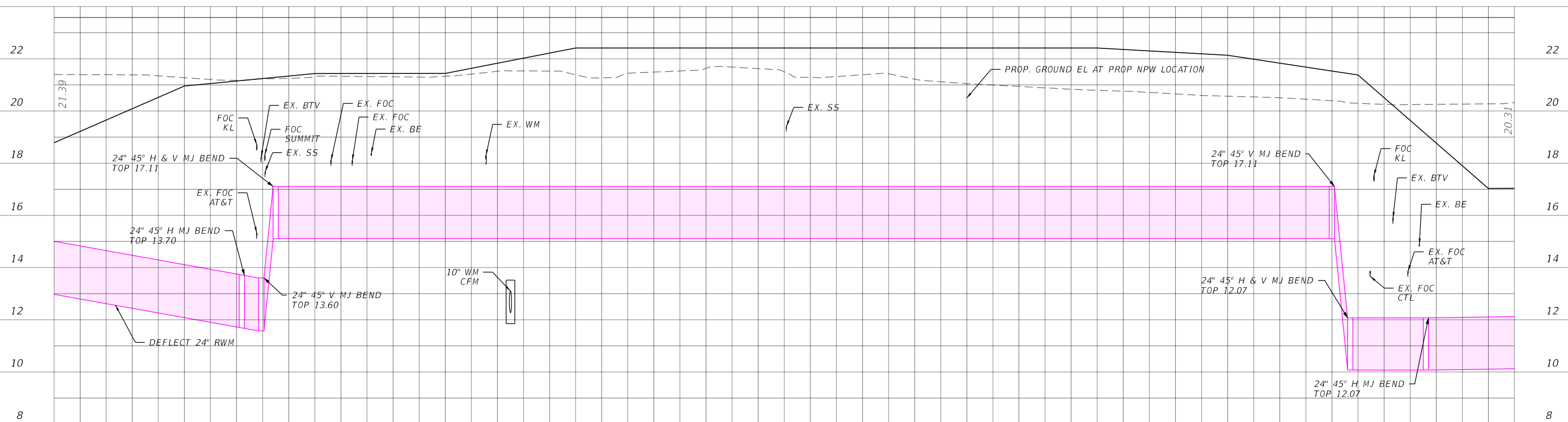
SHEET NO.  
**U-84**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



65+00 66+00 67+00 68+00 69+00 70+00

SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.



70+00 71+00 72+00 73+00 74+00 75+00

SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

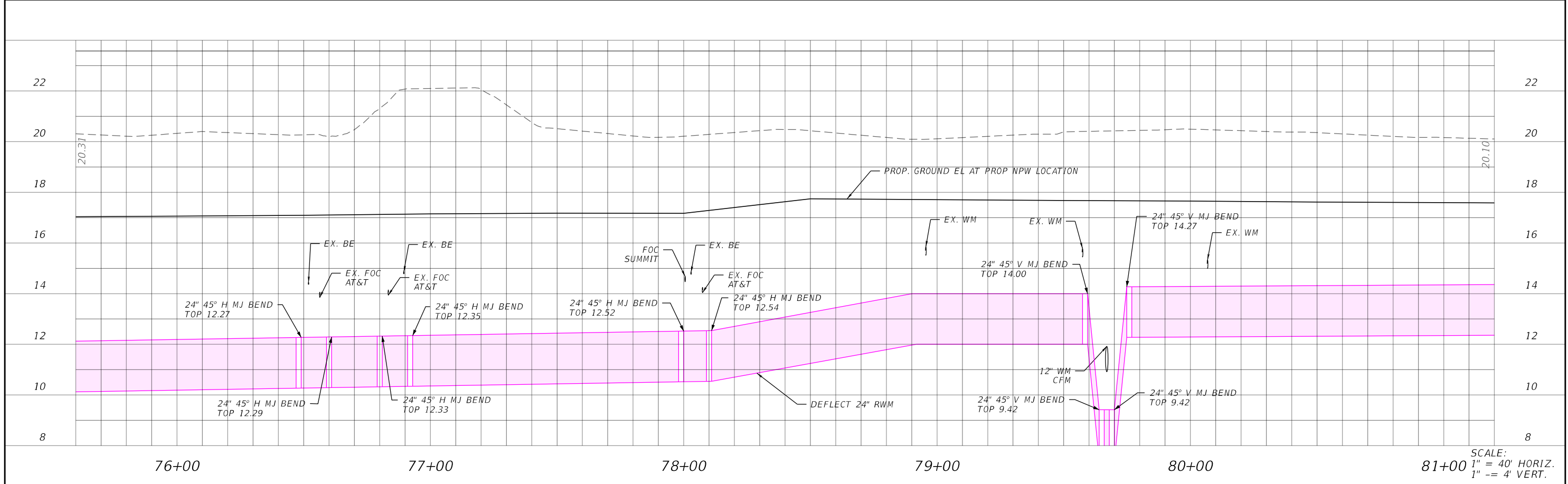
Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

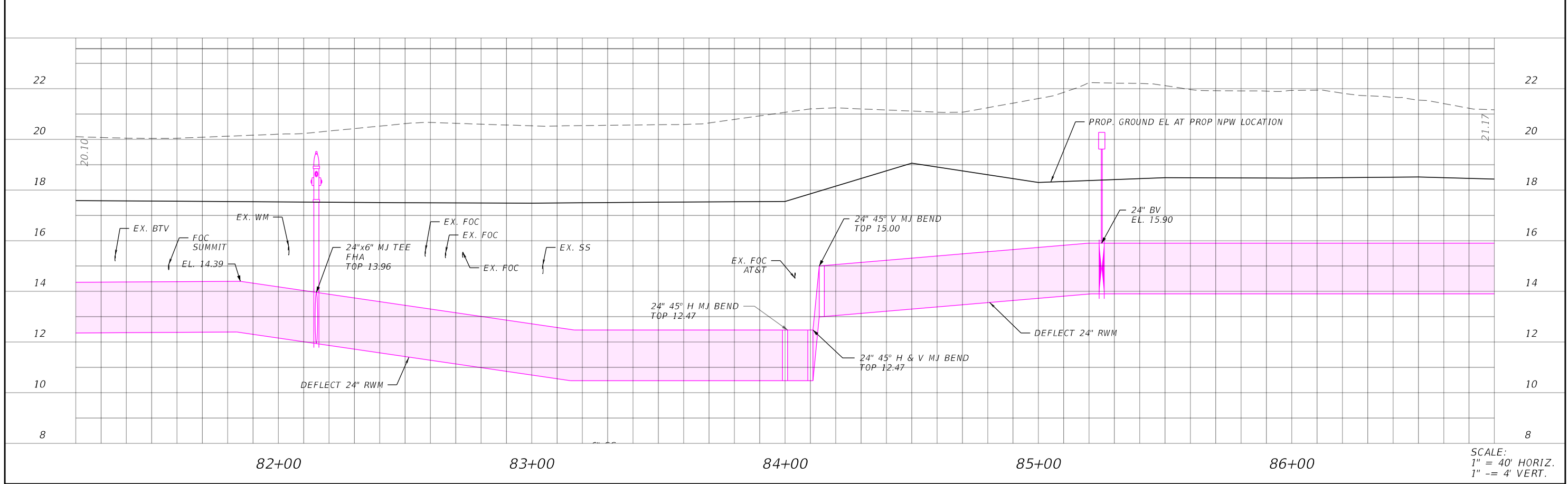
**UTILITY PROFILE**  
**REUSE WATER MAIN**

SHEET NO.  
**U-85**

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SCALE:  
 1" = 40' HORIZ.  
 1" = 4' VERT.



SCALE:  
 1" = 40' HORIZ.  
 1" = 4' VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

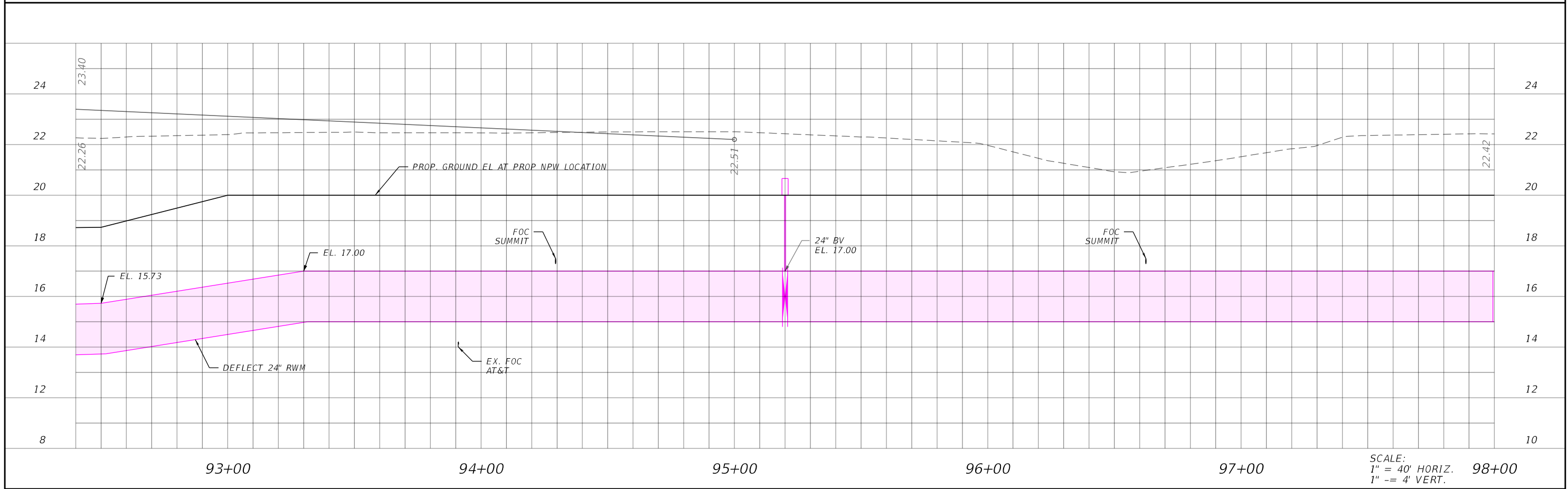
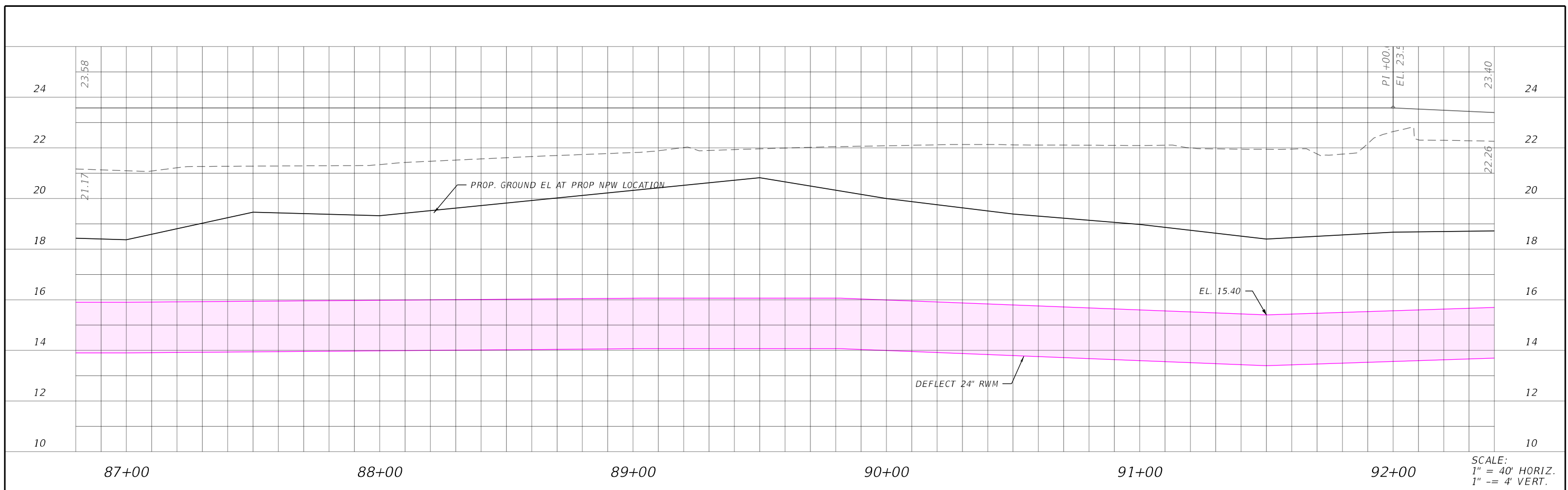
Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PROFILE**  
**REUSE WATER MAIN**

SHEET NO.  
**U-86**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

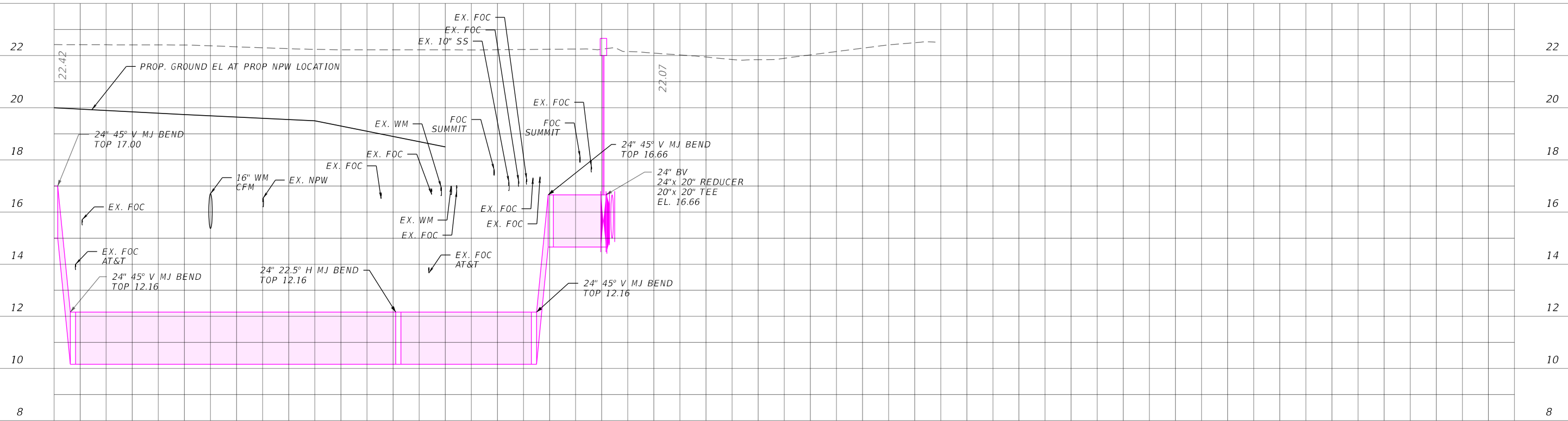
Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY PROFILE**  
**REUSE WATER MAIN**

SHEET NO.  
**U-87**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



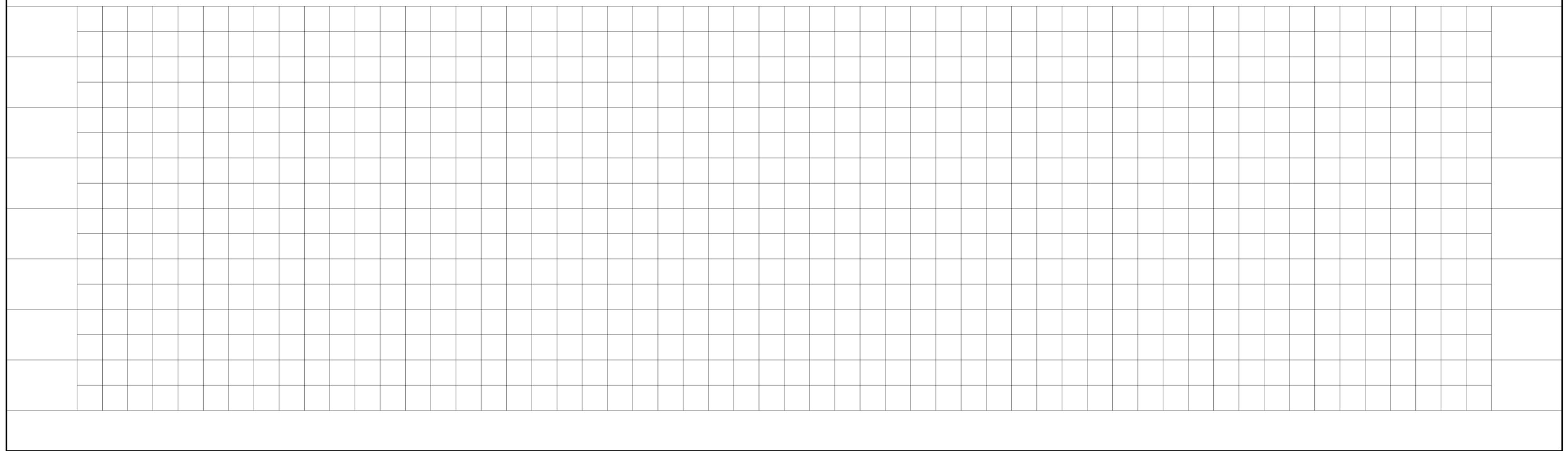
98+00

99+00

100+00

101+00

SCALE:  
1" = 40' HORIZ.  
1" = 4' VERT.



REVISIONS				Stantec 1821 Victoria Avenue Fort Myers, FL 33901 Ph. 239-337-3330 Kristina Connelly, P.E. #54805	CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT			<b>UTILITY PROFILE</b> <b>REUSE WATER MAIN</b>	SHEET NO.  <b>U-88</b>
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NAME	COUNTY	PROJECT NO.		
						ORTIZ AVE.	LEE		20-0055

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# T2 UES, Inc.

5670 Zip Drive, Fort Myers, FL 33905  
Phone: 239 277 0722 / Fax: 239 277 7179

## Subsurface Utility Engineering Test Hole Field Data

**T2 Project No.:** 190901 / CR107002.00  
**Client Project No.:**  
**Proj. Road Name:** Ortiz  
**Proj. Location:** Fort Myers  
**City, County, State:** Lee, Florida

**Date:** 3/3/2021  
**Vac Truck/Trailer No.:** 55589  
**SUE Crew:** R.P., J.A.  
**Prepared By:** A.C.  
**Checked By:** S.U.  
**Units:** U.S. Survey Feet  
**Datum(s):** Horizontal: NAD 83/11 Vertical: NAVD 88

Utility Material:		Utility Type:		Station & Offset Measured From:	
AC (Transite)	CMP (Corrugated Metal Pipe)	BE - Electrical	BT - Buried Telephone	30 - Edge Of Pavement	31 - "X" in Concrete 32 - Survey B/L
CI (Cast Iron)	CPP (Corrugated Plastic Pipe)	EXP - Exploratory	CTV - Cable Television	33 - C/L of Construction	34 - Back of Curb 35 - Swing Tie
Conc. (Concrete)	DBC (Direct Buried Cable)	FL - Fuel Line	CW - Chilled Water	<b>Surface Type:</b>	
Copper	DIP (Ductile Iron Pipe)	FM - Force Main	FOC - Fiber Optic Cable	A - Asphalt B - Brick C - Concrete G - Gravel NG - Natural Ground	
Duct	HDPE (High Density PE)	GM - Gas Line	RAW - Raw Water	RR - Riprap R - Rock S - Shell	
Fg (Fiberglass)	PE (Polyethylene Pipe)	HW - Hot Water	RCW - Reclaimed Water	<b>Identified By :</b>	
Galv. (Galvanized)	PVC (Polyvinyl Chloride)	IRR. - Irrigation	SAN - Sanitary Sewer	20 - Sleeve 21 - Hub/Lathe 22 - Nail/Disk (See below)	
Lead	RCP (Reinforced Concrete Pipe)	SL - Street Light	STM - Storm Sewer	23 - "X" in Concrete 24 - Iron Rod & Cap (See below) <span style="float: right;">↑ NORTH</span>	
STL (Steel)	VCP (Vitrified Clay Pipe)	TS - Traffic Signal	WM - Water Main	* Note: 22 = Set Nail and Disk Stamped "T2 Test Hole"	
UNK (Unknown)	PL Petroleum	UNK - Unknown		* Note: 24 = Set Iron Rod & Cap Stamped "T2 Test Hole"	

Utility Owner	Test Hole Date	Test Hole Number	Utility Size, Material & Type (Size measured in inches and is O.D.)	Northing	Easting	Ground Elevation	Manual Depth (Top)	Utility Elevation (Top)	Offset From	Cross Sectional View	Utility Direction	ID'd By	Surface Type	Pavement Thickness (Inches)
	03/03/21	1	2.5", STL, GAS	829168.35	717874.48	20.25	4.40	15.85	N/A	●	↔	23	NG	N/A
	03/03/21	1A	.5", DBC, FOC	829167.11	717875.85	20.04	1.40	18.64	N/A	●	↕	24	NG	N/A
	03/03/21	2	POSSIBLE 6", PVC, BE	829247.02	717870.54	18.69	5.33	13.36	N/A	●	↔	24	NG	N/A
	03/03/21	3	FOUR 1.5", HDPE, FOC	829250.42	717875.07	18.44	1.83	16.61	N/A	●	↔	24	NG	N/A
	03/03/21	4	2", PVC, FOC	829250.08	717878.06	18.04	1.72	16.32	N/A	●	↔	24	NG	N/A
	03/03/21	5	6", HDPE, BE	829246.64	717737.02	19.56	3.43	16.13	N/A	●	↕	24	NG	N/A
	03/03/21	6	6", PVC, WM	829503.50	717726.57	19.36	3.55	15.81	N/A	●	↕	24	NG	N/A
	03/03/21	7	4", PVC, UNK	829504.83	717732.35	20.24	3.80	16.44	N/A	●	↔	22	NG	N/A

REVISIONS				Stantec 1821 Victoria Avenue Fort Myers, FL 33901 Ph. 239-337-3330 Kristina Connelly, P.E. #54805	CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT			<b>SUMMARY OF VERIFIED UTILITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NAME	COUNTY	PROJECT NO.		
					ORTIZ AVE.	LEE	20-0055		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

# T2 UES, Inc.

5670 Zip Drive, Fort Myers, FL 33905  
Phone: 239 277 0722 / Fax: 239 277 7179

## Subsurface Utility Engineering Test Hole Field Data

**T2 Project No.:** 190901 / CR107002.00  
**Client Project No.:**  
**Proj. Road Name:** Ortiz Ave  
**Proj. Location:**  
**City, County, State:** Fort Myers, Lee, Florida

**Date:** 3/4/2021  
**Vac Truck/Trailer No.:** 55589  
**SUE Crew:** R.P., A.A., J.A.  
**Prepared By:** A.C.  
**Checked By:** S.U.  
**Units:** U.S. Survey Feet  
**Datum(s):** Horizontal: NAD 83/11 Vertical: NAVD 88

Utility Material:		Utility Type:		Station & Offset Measured From:	
AC (Transite)	CMP (Corrugated Metal Pipe)	BE - Electrical	BT - Buried Telephone	30 - Edge Of Pavement	31 - "X" in Concrete
CI (Cast Iron)	CPP (Corrugated Plastic Pipe)	EXP - Exploratory	CTV - Cable Television	32 - Survey B/L	33 - C/L of Construction
Conc. (Concrete)	DBC (Direct Buried Cable)	FL - Fuel Line	CW - Chilled Water	34 - Back of Curb	35 - Swing Tie
Copper	DIP (Ductile Iron Pipe)	FM - Force Main	FOC - Fiber Optic Cable	<b>Surface Type:</b>	
Duct	HDPE (High Density PE)	GM - Gas Line	RAW - Raw Water	A - Asphalt B - Brick C - Concrete G - Gravel NG - Natural Ground	
Fg (Fiberglass)	PE (Polyethylene Pipe)	HW - Hot Water	RCW - Reclaimed Water	<b>Identified By :</b>	
Galv. (Galvanized)	PVC (Polyvinyl Chloride)	IRR. - Irrigation	SAN - Sanitary Sewer	20 - Sleeve 21 - Hub/Lathe 22 - Nail/Disk (See below)	
Lead	RCP (Reinforced Concrete Pipe)	SL - Street Light	STM - Storm Sewer	23 - "X" in Concrete 24 - Iron Rod & Cap (See below)	
STL (Steel)	VCP (Vitrified Clay Pipe)	TS - Traffic Signal	WM - Water Main	* Note: 22 = Set Nail and Disk Stamped "T2 Test Hole"	
UNK (Unknown)	PL Petroleum	UNK - Unknown		* Note: 24 = Set Iron Rod & Cap Stamped "T2 Test Hole"	

↑ NORTH

Utility Owner	Test Hole Date	Test Hole Number	Utility Size, Material & Type (Size measured in inches and is O.D.)	Northing	Easting	Ground Elevation	Manual Depth (Top)	Utility Elevation (Top)	Offset From	Cross Sectional View	Utility Direction	ID'd By	Surface Type	Pavement Thickness (Inches)
	03/04/21	8	4", PVC, UNK	829599.06	717728.35	18.73	3.10	15.63	N/A	●	↔	24	NG	N/A
	03/04/21	8A	2.5", PVC UNK	829600.77	717727.38	18.72	1.74	16.98	N/A	●	↕	24	NG	N/A
	03/04/21	9	4", PVC, UNK	829974.79	717730.54	19.65	3.88	15.77	N/A	●	↔	22	A	4"
	03/04/21	10	24", CONC CAP, FOC	829977.04	717712.00	17.93	4.56	13.37	N/A	●	↕	24	NG	N/A
	03/04/21	11	TWO-2", HDPE, BE	829999.75	717721.66	18.75	1.85	16.90	N/A	●	↖	24	NG	N/A
	03/04/21	12	1", DBC, BT	830912.22	717693.62	18.17	2.76	15.41	N/A	●	↔	24	NG	N/A
	03/04/21	13	2", PVC, FOC	830914.42	717695.93	18.56	4.39	14.17	N/A	●	↕	24	NG	N/A

REVISIONS				Stantec 1821 Victoria Avenue Fort Myers, FL 33901 Ph. 239-337-3330 Kristina Connelly, P.E. #54805	CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT			<b>SUMMARY OF VERIFIED UTILITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NAME	COUNTY	PROJECT NO.		
					ORTIZ AVE.	LEE	20-0055		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

# T2 UES, Inc.

5670 Zip Drive, Fort Myers, FL 33905  
Phone: 239 277 0722 / Fax: 239 277 7179

## Subsurface Utility Engineering Test Hole Field Data

**T2 Project No.:** 190901 / CR107002.00  
**Client Project No.:**  
**Proj. Road Name:** Ortiz Ave  
**Proj. Location:**  
**City, County, State:** Fort Myers, Lee, Florida

**Date:** 3/5/2021  
**Vac Truck/Trailer No.:** 55589  
**SUE Crew:** R.P., J.A., A.A.  
**Prepared By:** A.C.  
**Checked By:** S.U.  
**Units:** U.S. Survey Feet  
**Datum(s):** Horizontal: NAD 83/11 Vertical: NAVD 88

Utility Material:		Utility Type:		Station & Offset Measured From:	
AC (Transite)	CMP (Corrugated Metal Pipe)	BE - Electrical	BT - Buried Telephone	30 - Edge Of Pavement	31 - "X" in Concrete
CI (Cast Iron)	CPP (Corrugated Plastic Pipe)	EXP - Exploratory	CTV - Cable Television	32 - Survey B/L	33 - C/L of Construction
Conc. (Concrete)	DBC (Direct Buried Cable)	FL - Fuel Line	CW - Chilled Water	34 - Back of Curb	35 - Swing Tie
Copper	DIP (Ductile Iron Pipe)	FM - Force Main	FOC - Fiber Optic Cable	<b>Surface Type:</b>	
Duct	HDPE (High Density PE)	GM - Gas Line	RAW - Raw Water	A - Asphalt B - Brick C - Concrete G - Gravel NG - Natural Ground	
Fg (Fiberglass)	PE (Polyethylene Pipe)	HW - Hot Water	RCW - Reclaimed Water	<b>Identified By :</b>	
Galv. (Galvanized)	PVC (Polyvinyl Chloride)	IRR. - Irrigation	SAN - Sanitary Sewer	20 - Sleeve 21 - Hub/Lathe 22 - Nail/Disk (See below)	
Lead	RCP (Reinforced Concrete Pipe)	SL - Street Light	STM - Storm Sewer	23 - "X" in Concrete 24 - Iron Rod & Cap (See below)	
STL (Steel)	VCP (Vitrified Clay Pipe)	TS - Traffic Signal	WM - Water Main	↑ NORTH	
UNK (Unknown)	PL Petroleum	UNK - Unknown		* Note: 22 = Set Nail and Disk Stamped "T2 Test Hole"	
				* Note: 24 = Set Iron Rod & Cap Stamped "T2 Test Hole"	

Utility Owner	Test Hole Date	Test Hole Number	Utility Size, Material & Type (Size measured in inches and is O.D.)	Northing	Easting	Ground Elevation	Manual Depth (Top)	Utility Elevation (Top)	Offset From	Cross Sectional View	Utility Direction	ID'd By	Surface Type	Pavement Thickness (Inches)
	03/05/21	14	4", PVC, UNK	830916.79	717710.57	19.71	2.82	16.89	N/A	●	↕	22	A	5"
	03/05/21	15	6", PVC, WM	831076.72	717704.31	20.14	3.53	16.61	N/A	●	↕	24	NG	N/A
	03/05/21	16	1", DBC, BT	831079.60	717701.42	20.14	2.68	17.46	N/A	●	↔	24	NG	N/A
	03/05/21	17	1", DBC, BT	831467.97	717686.02	18.12	3.65	14.47	N/A	●	↔	24	NG	N/A
	03/05/21	18	EXP	831466.94	717690.73	18.39								
	03/05/21	19	4", PVC, FOC	831514.39	717882.37	18.36	2.53	15.83	N/A	●	↕	24	NG	N/A
	03/05/21	20	4", STL, GAS	831465.05	717838.12	18.37	3.92	14.45	N/A	●	↕	24	NG	N/A
	03/05/21	21	4", PVC, FOC	831307.44	717885.37	18.07	2.60	15.47	N/A	●	↔	24	NG	N/A
	03/05/21	22	1", DBC, BT	831062.34	717884.15	18.25	2.08	16.17	N/A	●	↕	24	NG	N/A
	03/05/21	23	1", DBC, BT	831063.05	717881.66	18.25	2.73	15.52	N/A	●	↕	24	NG	N/A
	03/05/21	24	4", HDPE, FOC	831063.04	717876.48	17.82	1.80	16.02	N/A	●	↕	24	NG	N/A

REVISIONS				Stantec 1821 Victoria Avenue Fort Myers, FL 33901 Ph. 239-337-3330 Kristina Connelly, P.E. #54805	CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT			<b>SUMMARY OF VERIFIED UTILITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NAME	COUNTY	PROJECT NO.		
						ORTIZ AVE.	LEE		20-0055

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# T2 UES, Inc.

5670 Zip Drive, Fort Myers, FL 33905  
Phone: 239 277 0722 / Fax: 239 277 7179

## Subsurface Utility Engineering Test Hole Field Data

**T2 Project No.:** 190901 / CR107002.00  
**Client Project No.:**  
**Proj. Road Name:** Ortiz Ave  
**Proj. Location:**  
**City, County, State:** Fort Myers, Lee, Florida

**Date:** 3/8/2021  
**Vac Truck/Trailer No.:** 55589  
**SUE Crew:** A.A., J.A., T.A.  
**Prepared By:** A.C.  
**Checked By:** S.U..  
**Units:** U.S. Survey Feet  
**Datum(s):** Horizontal: NAD 83/11 Vertical: NAVD 88

Utility Material:		Utility Type:		Station & Offset Measured From:	
AC (Transite)	CMP (Corrugated Metal Pipe)	BE - Electrical	BT - Buried Telephone	30 - Edge Of Pavement	31 - "X" in Concrete 32 - Survey B/L
CI (Cast Iron)	CPP (Corrugated Plastic Pipe)	EXP - Exploratory	CTV - Cable Television	33 - C/L of Construction	34 - Back of Curb 35 - Swing Tie
Conc. (Concrete)	DBC (Direct Buried Cable)	FL - Fuel Line	CW - Chilled Water	<b>Surface Type:</b>	
Copper	DIP (Ductile Iron Pipe)	FM - Force Main	FOC - Fiber Optic Cable	A - Asphalt B - Brick C - Concrete G - Gravel NG - Natural Ground	
Duct	HDPE (High Density PE)	GM - Gas Line	RAW - Raw Water	RR - Riprap R - Rock S - Shell	
Fg (Fiberglass)	PE (Polyethylene Pipe)	HW - Hot Water	RCW - Reclaimed Water	<b>Identified By :</b>	
Galv. (Galvanized)	PVC (Polyvinyl Chloride)	IRR. - Irrigation	SAN - Sanitary Sewer	20 - Sleeve 21 - Hub/Lathe 22 - Nail/Disk (See below)	
Lead	RCP (Reinforced Concrete Pipe)	SL - Street Light	STM - Storm Sewer	23 - "X" in Concrete 24 - Iron Rod & Cap (See below) <span style="float: right;">↑ NORTH</span>	
STL (Steel)	VCP (Vitrified Clay Pipe)	TS - Traffic Signal	WM - Water Main	* Note: 22 = Set Nail and Disk Stamped "T2 Test Hole"	
UNK (Unknown)	PL Petroleum	UNK - Unknown		* Note: 24 = Set Iron Rod & Cap Stamped "T2 Test Hole"	

Utility Owner	Test Hole Date	Test Hole Number	Utility Size, Material & Type (Size measured in inches and is O.D.)	Northing	Easting	Ground Elevation	Manual Depth (Top)	Utility Elevation (Top)	Offset From	Cross Sectional View	Utility Direction	ID'd By	Surface Type	Pavement Thickness (Inches)
	03/08/21	25	EXP.	830774.10	717816.54	17.63	5.50							
	03/08/21	26	1.5", PVC, WM	833491.94	717682.31	19.33	2.09	17.24	N/A	●	↔	24	NG	N/A
	03/08/21	27	1', CONC CAP, FOC	833490.57	717677.42	18.90	3.97	14.93	N/A	□	↕	24	NG	N/A

REVISIONS				Stantec 1821 Victoria Avenue Fort Myers, FL 33901 Ph. 239-337-3330 Kristina Connelly, P.E. #54805	CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT			<b>SUMMARY OF VERIFIED UTILITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NAME	COUNTY	PROJECT NO.		U-92
					ORTIZ AVE.	LEE	20-0055		

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# T2 UES, Inc.

5670 Zip Drive, Fort Myers, FL 33905  
Phone: 239 277 0722 / Fax: 239 277 7179

## Subsurface Utility Engineering Test Hole Field Data

**T2 Project No.:** 190901 / CR107002.00  
**Client Project No.:**  
**Proj. Road Name:** Ortiz Ave  
**Proj. Location:**  
**City, County, State:** Fort Myers, Lee, Florida

**Date:** 3/9/2021  
**Vac Truck/Trailer No.:** 55589  
**SUE Crew:** A.A., J.A., T.A.  
**Prepared By:** A.C.  
**Checked By:** S.U.  
**Units:** U.S. Survey Feet  
**Datum(s):** Horizontal: NAD 83/11 Vertical: NAVD 88

Utility Material:		Utility Type:		Station & Offset Measured From:	
AC (Transite)	CMP (Corrugated Metal Pipe)	BE - Electrical	BT - Buried Telephone	30 - Edge Of Pavement	31 - "X" in Concrete 32 - Survey B/L
CI (Cast Iron)	CPP (Corrugated Plastic Pipe)	EXP - Exploratory	CTV - Cable Television	33 - C/L of Construction	34 - Back of Curb 35 - Swing Tie
Conc. (Concrete)	DBC (Direct Buried Cable)	FL - Fuel Line	CW - Chilled Water	<b>Surface Type:</b>	
Copper	DIP (Ductile Iron Pipe)	FM - Force Main	FOC - Fiber Optic Cable	A - Asphalt B - Brick C - Concrete G - Gravel NG - Natural Ground	
Duct	HDPE (High Density PE)	GM - Gas Line	RAW - Raw Water	RR - Riprap R - Rock S - Shell	
Fg (Fiberglass)	PE (Polyethylene Pipe)	HW - Hot Water	RCW - Reclaimed Water	<b>Identified By :</b>	
Galv. (Galvanized)	PVC (Polyvinyl Chloride)	IRR. - Irrigation	SAN - Sanitary Sewer	20 - Sleeve 21 - Hub/Lathe 22 - Nail/Disk (See below)	
Lead	RCP (Reinforced Concrete Pipe)	SL - Street Light	STM - Storm Sewer	23 - "X" in Concrete 24 - Iron Rod & Cap (See below) <span style="float: right;">↑ NORTH</span>	
STL (Steel)	VCP (Vitrified Clay Pipe)	TS - Traffic Signal	WM - Water Main	* Note: 22 = Set Nail and Disk Stamped "T2 Test Hole"	
UNK (Unknown)	PL Petroleum	UNK - Unknown		* Note: 24 = Set Iron Rod & Cap Stamped "T2 Test Hole"	

Utility Owner	Test Hole Date	Test Hole Number	Utility Size, Material & Type (Size measured in inches and is O.D.)	Northing	Easting	Ground Elevation	Manual Depth (Top)	Utility Elevation (Top)	Offset From	Cross Sectional View	Utility Direction	ID'd By	Surface Type	Pavement Thickness (Inches)
	03/09/21	28	EXP.	833794.98	717702.90	18.61	8.00							
	03/09/21	29	1', CONC CAP, FOC	833793.74	717700.27	18.62	3.23	15.39	N/A	∏	↕	24	NG	N/A
	03/09/21	30	5", PVC, FM	833879.17	717723.43	19.28	2.05	17.23	N/A	●	↔	24	A	6"
	03/09/21	31	4", PVC, FOC	833924.30	717713.92	18.46	4.58	13.88	N/A	●	↔	24	NG	N/A
	03/09/21	32	2", HDPE, FOC	834054.74	717722.77	19.11	1.63	17.48	N/A	●	↔	24	NG	N/A
	03/09/21	33	Possible 8", UNK, Possible CTV/FOC	834163.93	717726.43	19.17	5.89	13.28	N/A		↔	24	NG	N/A

REVISIONS				Stantec 1821 Victoria Avenue Fort Myers, FL 33901 Ph. 239-337-3330 Kristina Connelly, P.E. #54805	CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT			<b>SUMMARY OF VERIFIED UTILITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NAME	COUNTY	PROJECT NO.		
					ORTIZ AVE.	LEE	20-0055		

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# T2 UES, Inc.

5670 Zip Drive, Fort Myers, FL 33905  
Phone: 239 277 0722 / Fax: 239 277 7179

## Subsurface Utility Engineering Test Hole Field Data

**T2 Project No.:** 190901 / CR107002.00  
**Client Project No.:**  
**Proj. Road Name:** Ortiz Ave  
**Proj. Location:**  
**City, County, State:** Fort Myers, Lee, Florida

**Date:** 3/11/2021  
**Vac Truck/Trailer No.:** 55589  
**SUE Crew:** R.P., J.A., A.A.  
**Prepared By:** A.C.  
**Checked By:** S.U.  
**Units:** U.S. Survey Feet  
**Datum(s):** Horizontal: NAD 83/11 Vertical: NAVD 88

Utility Material:		Utility Type:		Station & Offset Measured From:	
AC (Transite)	CMP (Corrugated Metal Pipe)	BE - Electrical	BT - Buried Telephone	30 - Edge Of Pavement	31 - "X" in Concrete
CI (Cast Iron)	CPP (Corrugated Plastic Pipe)	EXP - Exploratory	CTV - Cable Television	32 - Survey B/L	33 - C/L of Construction
Conc. (Concrete)	DBC (Direct Buried Cable)	FL - Fuel Line	CW - Chilled Water	34 - Back of Curb	35 - Swing Tie
Copper	DIP (Ductile Iron Pipe)	FM - Force Main	FOC - Fiber Optic Cable	<b>Surface Type:</b>	
Duct	HDPE (High Density PE)	GM - Gas Line	RAW - Raw Water	A - Asphalt B - Brick C - Concrete G - Gravel NG - Natural Ground	
Fg (Fiberglass)	PE (Polyethylene Pipe)	HW - Hot Water	RCW - Reclaimed Water	RR - Riprap R - Rock S - Shell	
Galv. (Galvanized)	PVC (Polyvinyl Chloride)	IRR. - Irrigation	SAN - Sanitary Sewer	<b>Identified By :</b>	
Lead	RCP (Reinforced Concrete Pipe)	SL - Street Light	STM - Storm Sewer	20 - Sleeve 21 - Hub/Lathe 22 - Nail/Disk (See below)	
STL (Steel)	VCP (Vitrified Clay Pipe)	TS - Traffic Signal	WM - Water Main	23 - "X" in Concrete 24 - Iron Rod & Cap (See below)	
UNK (Unknown)	PL Petroleum	UNK - Unknown		* Note: 22 = Set Nail and Disk Stamped "T2 Test Hole"	
				* Note: 24 = Set Iron Rod & Cap Stamped "T2 Test Hole"	

↑ NORTH

Utility Owner	Test Hole Date	Test Hole Number	Utility Size, Material & Type (Size measured in inches and is O.D.)	Northing	Easting	Ground Elevation	Manual Depth (Top)	Utility Elevation (Top)	Offset From	Cross Sectional View	Utility Direction	ID'd By	Surface Type	Pavement Thickness (Inches)
	03/11/21	34	12", CONC CAP, FOC	834614.13	717706.64	21.07	5.34	15.73	N/A	Π	↕	24	NG	N/A
	03/11/21	34A	1", DBC, UNK	834614.12	717707.30	20.95	5.34	15.61	N/A	●	↕	24	NG	N/A
	03/11/21	35	Possible 24", CONC CAP, FOC	834942.10	717695.80	18.09	3.84	14.25	N/A	Π	↕	24	NG	N/A
	03/11/21	36	Two 3", PVC, BE	834941.21	717689.23	17.99	2.24	15.75	N/A	●●	↕	24	NG	N/A
	03/11/21	36A	1", PVC, BE	834941.15	717689.73	17.96	0.00	17.96	N/A	●	↕	24	NG	N/A
	03/11/21	37	12", WOOD CAP, FOC	835097.90	717696.76	18.46	3.10	15.36	N/A	Π	↕	24	NG	N/A
	03/11/21	38	4", PVC, FOC	835505.28	717707.03	20.47	3.28	17.19	N/A	●	↕	22	A	5"
	03/11/21	39	10", WOOD CAP, FOC	835506.26	717681.23	17.84	3.23	14.61	N/A	Π	↕	24	NG	N/A
	03/11/21	40	4", PVC, UNK	835504.93	717698.83	19.90	4.29	15.61	N/A	●	↕	24	NG	N/A
	03/11/21	41	10", WOOD CAP, FOC	835774.54	717675.81	17.67	3.62	14.05	N/A	Π	↕	24	NG	N/A
	03/11/21	42	4", PVC, UNK	835769.24	717694.63	19.10	3.35	15.75	N/A	●	↕	24	NG	N/A
	03/11/21	43	4", PVC, FOC	835766.53	717704.29	20.42	3.05	17.37	N/A	●	↕	24	A	7"
	03/11/21	44	10", WOOD CAP, FOC	836089.33	717671.55	18.42	3.70	14.72	N/A	Π	↕	24	NG	N/A

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connelly, P.E. #54805

CITY OF FORT MYERS  
PUBLIC WORKS DEPARTMENT

ROAD NAME: ORTIZ AVE. COUNTY: LEE PROJECT NO.: 20-0055

SUMMARY OF  
VERIFIED UTILITIES

SHEET NO.

U-94

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

# T2 UES, Inc.

5670 Zip Drive, Fort Myers, FL 33905  
Phone: 239 277 0722 / Fax: 239 277 7179

## Subsurface Utility Engineering Test Hole Field Data

**T2 Project No.:** 190901 / CR107002.00  
**Client Project No.:**  
**Proj. Road Name:** Ortiz Ave  
**Proj. Location:**  
**City, County, State:** Fort Myers, Lee, Florida

**Date:** 3/12/2021  
**Vac Truck/Trailer No.:** 55589  
**SUE Crew:** R.P., J.A., A.A.  
**Prepared By:** A.C.  
**Checked By:** S.U.  
**Units:** U.S. Survey Feet  
**Datum(s):** Horizontal: NAD 83/11 Vertical: NAVD 88

Utility Material:		Utility Type:		Station & Offset Measured From:	
AC (Transite)	CMP (Corrugated Metal Pipe)	BE - Electrical	BT - Buried Telephone	30 - Edge Of Pavement	31 - "X" in Concrete 32 - Survey B/L
CI (Cast Iron)	CPP (Corrugated Plastic Pipe)	EXP - Exploratory	CTV - Cable Television	33 - C/L of Construction	34 - Back of Curb 35 - Swing Tie
Conc. (Concrete)	DBC (Direct Buried Cable)	FL - Fuel Line	CW - Chilled Water	<b>Surface Type:</b>	
Copper	DIP (Ductile Iron Pipe)	FM - Force Main	FOC - Fiber Optic Cable	A - Asphalt B - Brick C - Concrete G - Gravel NG - Natural Ground	
Duct	HDPE (High Density PE)	GM - Gas Line	RAW - Raw Water	RR - Riprap R - Rock S - Shell	
Fg (Fiberglass)	PE (Polyethylene Pipe)	HW - Hot Water	RCW - Reclaimed Water	<b>Identified By :</b>	
Galv. (Galvanized)	PVC (Polyvinyl Chloride)	IRR. - Irrigation	SAN - Sanitary Sewer	20 - Sleeve 21 - Hub/Lathe 22 - Nail/Disk (See below)	
Lead	RCP (Reinforced Concrete Pipe)	SL - Street Light	STM - Storm Sewer	23 - "X" in Concrete 24 - Iron Rod & Cap (See below) ↑ NORTH	
STL (Steel)	VCP (Vitrified Clay Pipe)	TS - Traffic Signal	WM - Water Main	* Note: 22 = Set Nail and Disk Stamped "T2 Test Hole"	
UNK (Unknown)	PL Petroleum	UNK - Unknown		* Note: 24 = Set Iron Rod & Cap Stamped "T2 Test Hole"	

Utility Owner	Test Hole Date	Test Hole Number	Utility Size, Material & Type (Size measured in inches and is O.D.)	Northing	Easting	Ground Elevation	Manual Depth (Top)	Utility Elevation (Top)	Offset From	Cross Sectional View	Utility Direction	ID'd By	Surface Type	Pavement Thickness (Inches)
	03/12/21	45	4", PVC, UNK	836372.37	717681.21	19.67	4.45	15.22	N/A	●	↕	24	NG	N/A
	03/12/21	46	UNK, UNK CAP, FOC	836397.68	717662.43	18.55	5.00	13.55	N/A	∏	↕	24	NG	N/A
	03/12/21	47	10", WOOD CAP, FOC	836491.90	717661.91	17.90	2.65	15.25	N/A	∏	↕	24	NG	N/A
	03/12/21	48	10", CONC CAP, FOC	836682.96	717662.26	18.42	4.05	14.37	N/A	∏	↕	24	NG	N/A
	03/12/21	49	4", PVC, UNK	836854.82	717674.02	19.42	3.89	15.53	N/A	●	↕	24	NG	N/A
	03/12/21	50	4", PVC, UNK	837171.66	717663.43	18.80	3.19	15.61	N/A	●	↕	22	A	1"
	03/12/21	51	EXP	837171.53	717648.87	18.34	6.00							
	03/12/21	52	Possible 6", PVC, FOC	837387.95	717647.27	19.81	4.40	15.41	N/A	●	↕	24	NG	N/A

REVISIONS				Stantec 1821 Victoria Avenue Fort Myers, FL 33901 Ph. 239-337-3330 Kristina Connelly, P.E. #54805	CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT			SUMMARY OF VERIFIED UTILITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NAME	COUNTY	PROJECT NO.		
					ORTIZ AVE.	LEE	20-0055		U-95

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

# T2 UES, Inc.

5670 Zip Drive, Fort Myers, FL 33905  
Phone: 239 277 0722 / Fax: 239 277 7179

## Subsurface Utility Engineering Test Hole Field Data

**T2 Project No.:** 190901 / CR107002.00  
**Client Project No.:**  
**Proj. Road Name:** Ortiz Ave  
**Proj. Location:**  
**City, County, State:** Fort Myers, Lee, Florida

**Date:** 3/13/2021  
**Vac Truck/Trailer No.:** 55589  
**SUE Crew:** R.P., J.A., A.A.  
**Prepared By:** A.C.  
**Checked By:** S.U.  
**Units:** U.S. Survey Feet  
**Datum(s):** Horizontal: NAD 83/11 Vertical: NAVD 88

Utility Material:		Utility Type:		Station & Offset Measured From:	
AC (Transite)	CMP (Corrugated Metal Pipe)	BE - Electrical	BT - Buried Telephone	30 - Edge Of Pavement	31 - "X" in Concrete
CI (Cast Iron)	CPP (Corrugated Plastic Pipe)	EXP - Exploratory	CTV - Cable Television	32 - Survey B/L	33 - C/L of Construction
Conc. (Concrete)	DBC (Direct Buried Cable)	FL - Fuel Line	CW - Chilled Water	34 - Back of Curb	35 - Swing Tie
Copper	DIP (Ductile Iron Pipe)	FM - Force Main	FOC - Fiber Optic Cable	<b>Surface Type:</b>	
Duct	HDPE (High Density PE)	GM - Gas Line	RAW - Raw Water	A - Asphalt B - Brick C - Concrete G - Gravel NG - Natural Ground	
Fg (Fiberglass)	PE (Polyethylene Pipe)	HW - Hot Water	RCW - Reclaimed Water	RR - Riprap R - Rock S - Shell	
Galv. (Galvanized)	PVC (Polyvinyl Chloride)	IRR. - Irrigation	SAN - Sanitary Sewer	<b>Identified By :</b>	
Lead	RCP (Reinforced Concrete Pipe)	SL - Street Light	STM - Storm Sewer	20 - Sleeve 21 - Hub/Lathe 22 - Nail/Disk (See below)	
STL (Steel)	VCP (Vitrified Clay Pipe)	TS - Traffic Signal	WM - Water Main	23 - "X" in Concrete 24 - Iron Rod & Cap (See below)	
UNK (Unknown)	PL Petroleum	UNK - Unknown		* Note: 22 = Set Nail and Disk Stamped "T2 Test Hole"	
				* Note: 24 = Set Iron Rod & Cap Stamped "T2 Test Hole"	

↑ NORTH

Utility Owner	Test Hole Date	Test Hole Number	Utility Size, Material & Type (Size measured in inches and is O.D.)	Northing	Easting	Ground Elevation	Manual Depth (Top)	Utility Elevation (Top)	Offset From	Cross Sectional View	Utility Direction	ID'd By	Surface Type	Pavement Thickness (Inches)
	03/13/21	53	Four 2", HDPE, FOC	833582.23	717860.58	18.05	1.61	16.44	N/A	●	↕	24	NG	N/A
	03/13/21	54	EXP	833780.75	717864.12	17.91	6.00							
	03/13/21	55	Four 2", HDPE, FOC	833776.96	717874.23	18.09	1.79	16.30	N/A	●●●●	↕	24	NG	N/A
	03/13/21	56	Four 2", HDPE, FOC	833980.65	717876.78	17.84	2.49	15.35	N/A	●●●●	↔	24	NG	N/A
	03/13/21	57	Two 4", PVC, FOC	834525.69	717858.34	17.59	2.91	14.68	N/A	●●	↔	24	NG	N/A
	03/13/21	58	8", PVC, WM	835256.63	717861.80	18.77	2.69	16.08	N/A	●	↔	24	NG	N/A
	03/13/21	59	1", DBC, BT	835252.47	717863.58	18.60	1.79	16.81	N/A	●	↕	24	NG	N/A
	03/13/21	60	12", PVC, WM	835419.15	717824.31	18.14	2.43	15.71	N/A	●	↔	24	NG	N/A
	03/13/21	61	Two 2", HDPE, FOC	835494.30	717781.17	19.62	2.82	16.80	N/A	●	↕	24	NG	N/A
	03/13/21	62	EXP	835706.72	717813.57	17.95	6.00	11.95	N/A				NG	N/A

REVISIONS				Stantec 1821 Victoria Avenue Fort Myers, FL 33901 Ph. 239-337-3330 Kristina Connelly, P.E. #54805	CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT			SUMMARY OF VERIFIED UTILITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NAME	COUNTY	PROJECT NO.		
					ORTIZ AVE.	LEE	20-0055		U-96

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



# T2 UES, Inc.

5670 Zip Drive, Fort Myers, FL 33905  
Phone: 239 277 0722 / Fax: 239 277 7179

## Subsurface Utility Engineering Test Hole Field Data

**T2 Project No.:** 190901 / CR107002.00  
**Client Project No.:**  
**Proj. Road Name:** Ortiz Ave  
**Proj. Location:**  
**City, County, State:** Fort Myers, Lee, Florida

**Date:** 3/15/2021  
**Vac Truck/Trailer No.:** 55589  
**SUE Crew:** R.P., T.A., A.A.  
**Prepared By:** A.C.  
**Checked By:** S.U.  
**Units:** U.S. Survey Feet  
**Datum(s):** Horizontal: NAD 83/11 Vertical: NAVD 88

Utility Material:		Utility Type:		Station & Offset Measured From:	
AC (Transite)	CMP (Corrugated Metal Pipe)	BE - Electrical	BT - Buried Telephone	30 - Edge Of Pavement	31 - "X" in Concrete
CI (Cast Iron)	CPP (Corrugated Plastic Pipe)	EXP - Exploratory	CTV - Cable Television	32 - Survey B/L	33 - C/L of Construction
Conc. (Concrete)	DBC (Direct Buried Cable)	FL - Fuel Line	CW - Chilled Water	34 - Back of Curb	35 - Swing Tie
Copper	DIP (Ductile Iron Pipe)	FM - Force Main	FOC - Fiber Optic Cable	<b>Surface Type:</b>	
Duct	HDPE (High Density PE)	GM - Gas Line	RAW - Raw Water	A - Asphalt B - Brick C - Concrete G - Gravel NG - Natural Ground	
Fg (Fiberglass)	PE (Polyethylene Pipe)	HW - Hot Water	RCW - Reclaimed Water	RR - Riprap R - Rock S - Shell	
Galv. (Galvanized)	PVC (Polyvinyl Chloride)	IRR. - Irrigation	SAN - Sanitary Sewer	<b>Identified By :</b>	
Lead	RCP (Reinforced Concrete Pipe)	SL - Street Light	STM - Storm Sewer	20 - Sleeve 21 - Hub/Lathe 22 - Nail/Disk (See below)	
STL (Steel)	VCP (Vitrified Clay Pipe)	TS - Traffic Signal	WM - Water Main	23 - "X" in Concrete 24 - Iron Rod & Cap (See below)	
UNK (Unknown)	PL Petroleum	UNK - Unknown		* Note: 22 = Set Nail and Disk Stamped "T2 Test Hole"	
				* Note: 24 = Set Iron Rod & Cap Stamped "T2 Test Hole"	

↑ NORTH

Utility Owner	Test Hole Date	Test Hole Number	Utility Size, Material & Type (Size measured in inches and is O.D.)	Northing	Easting	Ground Elevation	Manual Depth (Top)	Utility Elevation (Top)	Offset From	Cross Sectional View	Utility Direction	ID'd By	Surface Type	Pavement Thickness (Inches)
	03/15/21	63	Two 4", PVC, FOC	835774.62	717786.83	18.64	3.52	15.12	N/A	●●	↕	24	NG	N/A
	03/15/21	64	4", PVC, Possible FM	835882.16	717820.30	18.11	1.75	16.36	N/A	●	↔	24	NG	N/A
	03/15/21	65	6", PVC, FM	835907.14	717819.58	18.72	1.55	17.17	N/A	●	↔	24	NG	N/A
	03/15/21	66	EXP	835910.33	717819.68	18.68	6.00							
	03/15/21	67	4", DIP, WM	835915.82	717817.00	18.69	1.48	17.21	N/A	●	↔	24	NG	N/A
	03/15/21	68	4", PVC, FOC	835935.25	717812.60	18.31	2.49	15.82	N/A	●	↕	24	NG	N/A
	03/15/21	68A	4", PVC, FOC	835934.90	717813.39	18.37	2.53	15.84	N/A	●	↕	24	NG	N/A
	03/15/21	69	8", PVC, UNK	836045.41	717825.16	21.06	4.32	16.74	N/A	●	↔	24	NG	N/A
	03/15/21	70	1", PVC, UNK	836071.24	717823.73	21.23	0.92	20.31	N/A	●	↔	24	NG	N/A
	03/15/21	71	4", PVC, FOC	836074.57	717823.47	21.11	2.69	18.42	N/A	●	↔	24	NG	N/A

REVISIONS				Stantec 1821 Victoria Avenue Fort Myers, FL 33901 Ph. 239-337-3330 Kristina Connelly, P.E. #54805	CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT			SUMMARY OF VERIFIED UTILITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NAME	COUNTY	PROJECT NO.		
					ORTIZ AVE.	LEE	20-0055		U-97

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

# T2 UES, Inc.

5670 Zip Drive, Fort Myers, FL 33905  
Phone: 239 277 0722 / Fax: 239 277 7179

## Subsurface Utility Engineering Test Hole Field Data

**T2 Project No.:** 190901 / CR107002.00  
**Client Project No.:**  
**Proj. Road Name:** Ortiz Ave  
**Proj. Location:**  
**City, County, State:** Fort Myers, Lee, Florida

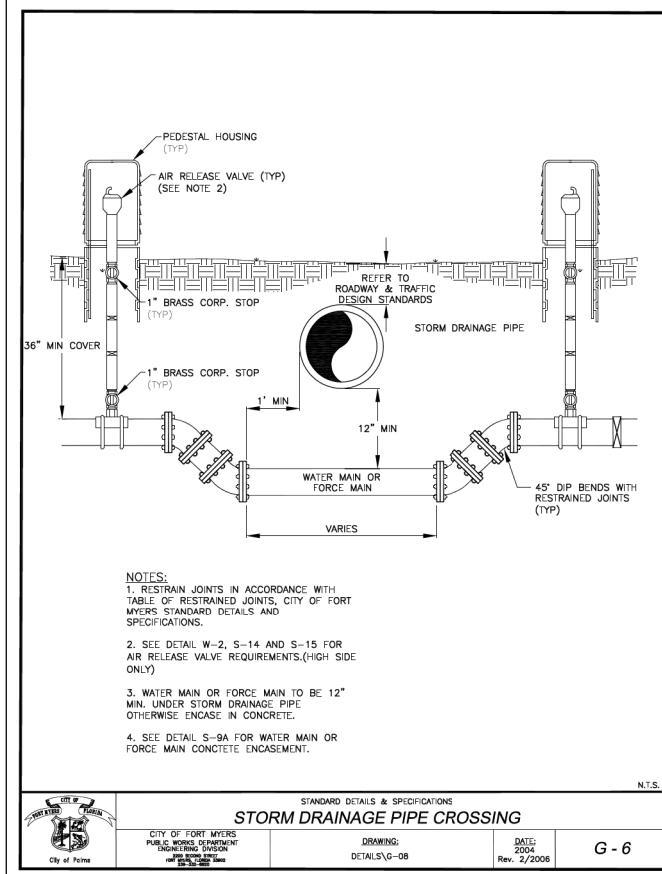
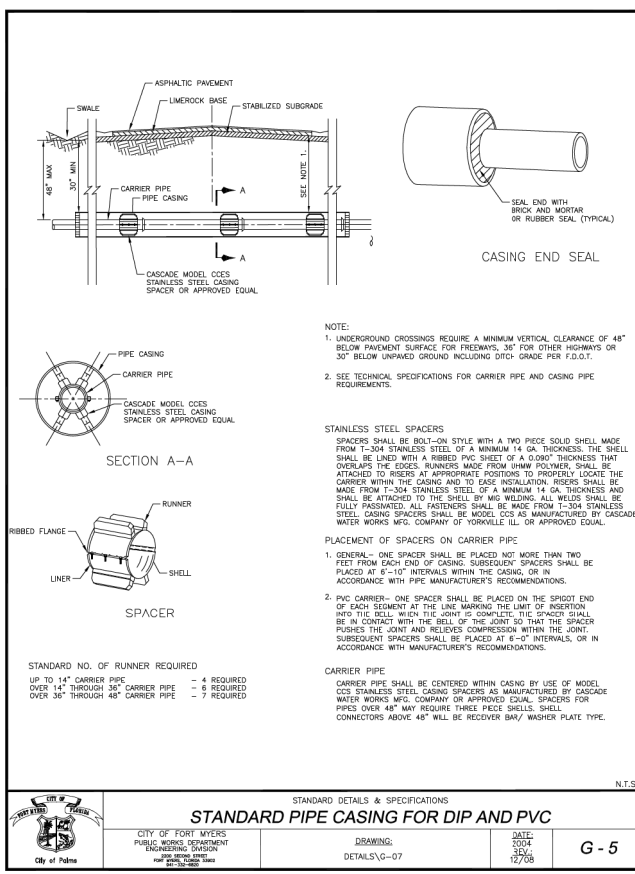
**Date:** 3/16/2021  
**Vac Truck/Trailer No.:** 55589  
**SUE Crew:** R.P., J.A., A.A.  
**Prepared By:** A.C.  
**Checked By:** S.U.  
**Units:** U.S. Survey Feet  
**Datum(s):** Horizontal: NAD 83/11 Vertical: NAVD 88

Utility Material:		Utility Type:		Station & Offset Measured From:	
AC (Transite)	CMP (Corrugated Metal Pipe)	BE - Electrical	BT - Buried Telephone	30 - Edge Of Pavement	31 - "X" in Concrete 32 - Survey B/L
CI (Cast Iron)	CPP (Corrugated Plastic Pipe)	EXP - Exploratory	CTV - Cable Television	33 - C/L of Construction	34 - Back of Curb 35 - Swing Tie
Conc. (Concrete)	DBC (Direct Buried Cable)	FL - Fuel Line	CW - Chilled Water	<b>Surface Type:</b>	
Copper	DIP (Ductile Iron Pipe)	FM - Force Main	FOC - Fiber Optic Cable	A - Asphalt B - Brick C - Concrete G - Gravel NG - Natural Ground	
Duct	HDPE (High Density PE)	GM - Gas Line	RAW - Raw Water	RR - Riprap R - Rock S - Shell	
Fg (Fiberglass)	PE (Polyethylene Pipe)	HW - Hot Water	RCW - Reclaimed Water	<b>Identified By :</b>	
Galv. (Galvanized)	PVC (Polyvinyl Chloride)	IRR. - Irrigation	SAN - Sanitary Sewer	20 - Sleeve 21 - Hub/Lathe 22 - Nail/Disk (See below)	
Lead	RCP (Reinforced Concrete Pipe)	SL - Street Light	STM - Storm Sewer	23 - "X" in Concrete 24 - Iron Rod & Cap (See below) <span style="float: right;">↑ NORTH</span>	
STL (Steel)	VCP (Vitrified Clay Pipe)	TS - Traffic Signal	WM - Water Main	* Note: 22 = Set Nail and Disk Stamped "T2 Test Hole"	
UNK (Unknown)	PL Petroleum	UNK - Unknown		* Note: 24 = Set Iron Rod & Cap Stamped "T2 Test Hole"	

Utility Owner	Test Hole Date	Test Hole Number	Utility Size, Material & Type (Size measured in inches and is O.D.)	Northing	Easting	Ground Elevation	Manual Depth (Top)	Utility Elevation (Top)	Offset From	Cross Sectional View	Utility Direction	ID'd By	Surface Type	Pavement Thickness (Inches)
	03/16/21	72	EXP	836078.42	717822.32	20.26	8.00							
	03/16/21	73	2", PVC, GAS	836073.81	717824.49	21.05	2.33	18.72	N/A	●	↔	24	NG	N/A
	03/16/21	74	4", STL, GAS	836827.58	717805.85	19.53	3.77	15.76	N/A	●	↕	24	NG	N/A
	03/16/21	75	4", PVC, FOC	836827.32	717808.44	19.00	2.39	16.61	N/A	●	↕	24	NG	N/A
	03/16/21	76	4", STL, GAS	836997.70	717801.98	20.22	3.23	16.99	N/A	●	↕	24	NG	N/A
	03/16/21	76A	4", PVC, FOC	836997.60	717803.68	19.71	2.98	16.73	N/A	●	↕	24	NG	N/A
	03/16/21	77	4", PVC, FOC	837173.71	717799.49	20.67	3.81	16.86	N/A	●	↕	24	NG	N/A

REVISIONS				Stantec 1821 Victoria Avenue Fort Myers, FL 33901 Ph. 239-337-3330 Kristina Connelly, P.E. #54805	CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT			<b>SUMMARY OF VERIFIED UTILITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NAME	COUNTY	PROJECT NO.		U-98
					ORTIZ AVE.	LEE	20-0055		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



**RESTRAINED JOINT TABLE FOR DUCTILE IRON PIPE**

TABLE OF RESTRAINED JOINTS FOR MEG-A-LUG TYPE JOINT RESTRAINTS DUCTILE IRON PIPE RESTRAINTS

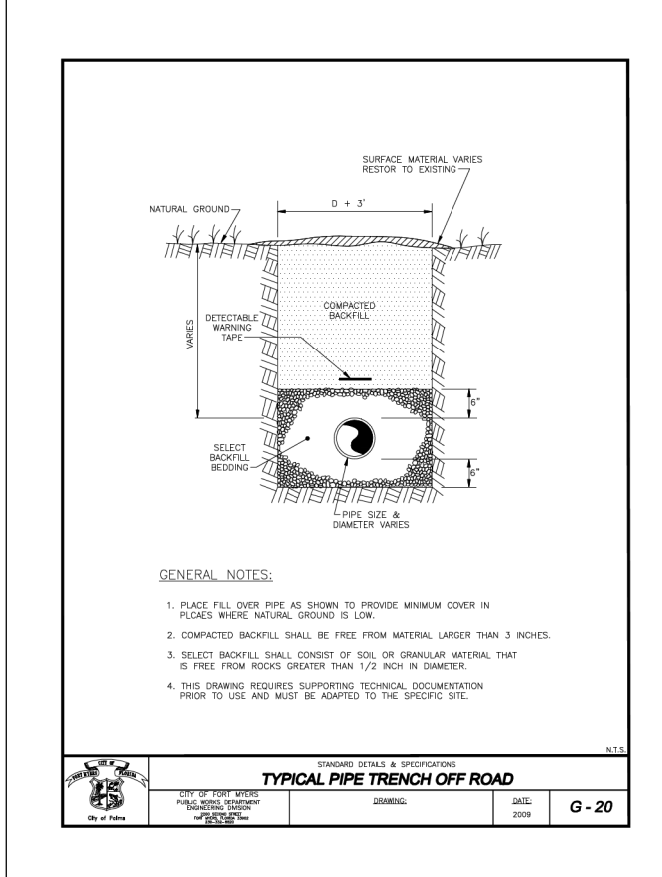
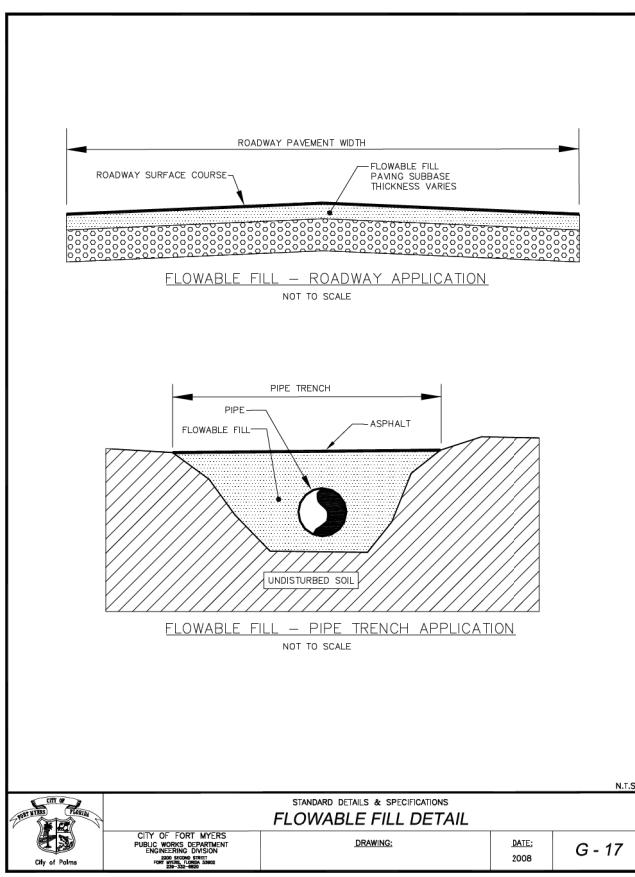
PIPE SIZE	HORIZONTAL BENDS			PIPE SIZE	VERTICLE BENDS			TEE'S				DEAD END	REDUCER	
	90° BENDS	45° BENDS	22.5° BENDS		45° BENDS	22.5° BENDS	11.25° BENDS	TEE W/6" BRANCH	TEE W/8" BRANCH	TEE W/12" BRANCH	TEE W/16" BRANCH		SIZE	SEE NOTE L <sub>10</sub>
4"	14'	6'	3'	4"	LHS 10, LLS 2	LHS 5, LLS 1	LHS 1	20 RUN E.W. 3" BRANCH*	20 RUN E.W. 2" BRANCH*	20 RUN E.W. 3" BRANCH*	20 RUN E.W. 2" BRANCH*	24"	6" X 4"	18"
6"	19'	8'	4'	6"	LHS 14, LLS 3	LHS 7, LLS 2	LHS 4	20 RUN E.W. 4" BRANCH*	20 RUN E.W. 3" BRANCH*	20 RUN E.W. 4" BRANCH*	20 RUN E.W. 3" BRANCH*	34"	8" X 4"	19"
8"	25'	11'	5'	8"	LHS 19, LLS 4	LHS 9, LLS 3	LHS 5	20 RUN E.W. 5" BRANCH*	20 RUN E.W. 4" BRANCH*	20 RUN E.W. 5" BRANCH*	20 RUN E.W. 4" BRANCH*	45"	10" X 6"	18"
10"	30'	13'	6'	10"	LHS 22, LLS 4	LHS 11, LLS 3	LHS 6	20 RUN E.W. 6" BRANCH*	20 RUN E.W. 5" BRANCH*	20 RUN E.W. 6" BRANCH*	20 RUN E.W. 5" BRANCH*	53"	12" X 8"	19"
12"	35'	15'	7'	12"	LHS 26, LLS 5	LHS 13, LLS 3	LHS 7	20 RUN E.W. 7" BRANCH*	20 RUN E.W. 6" BRANCH*	20 RUN E.W. 7" BRANCH*	20 RUN E.W. 6" BRANCH*	63"LR**	16" X 12"	34"
16"	44'	19'	9'	16"	LHS 34, LLS 7	LHS 16, LLS 4	LHS 8	20 RUN E.W. 8" BRANCH*	20 RUN E.W. 7" BRANCH*	20 RUN E.W. 8" BRANCH*	20 RUN E.W. 7" BRANCH*	80"LR**	16" X 10"	48"
24"	61'	26'	13'	24"	LHS 47, LLS 9	LHS 23, LLS 5	LHS 12	20 RUN E.W. 1" BRANCH*	20 RUN E.W. 1" BRANCH*	20 RUN E.W. 1" BRANCH*	20 RUN E.W. 1" BRANCH*	113"LR**	20" X 12"	61"
30"	72'	30'	15'	30"	LHS 56, LLS 11	LHS 27, LLS 6	LHS 14	20 RUN E.W. 1" BRANCH*	20 RUN E.W. 1" BRANCH*	20 RUN E.W. 1" BRANCH*	20 RUN E.W. 1" BRANCH*	136"LR**	24" X 20"	34"

NOTE: 3 FT. PIPE COVER MIN. TEST PRESSURE 150 P.S.I. \*RESTRAINED FITTING ONLY. \*\*ALTERNATELY RESTRAIN BACK TO TEE AT BEGINNING OF BRANCH, UNOBSTRUCTED LENGTH ON THE SMALLER SIDE OF REDUCER. LHS = LENGTH OF HIGH SIDE OF FITTING, LLS = LENGTH ON LOW SIDE OF FITTING, LR = LENGTH OF RUN, EW = EACH WAY FROM FITTING, FACTOR OF SAFETY = 1.5.

FOR GREATER THAN 30" DIAMETER PIPE, PLEASE PROVIDE CALCULATIONS.

L<sub>10</sub> = RESTRAINED LENGTH OF LARGE SIDE OF REDUCER.

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION  
 DRAWING: DETAILS-VG-09 DATE: 11/29/07  
 G - 16



**RESTRAINED JOINT TABLE FOR P.V.C. PIPE**

TABLE OF RESTRAINED JOINTS FOR MEG-A-LUG TYPE JOINT RESTRAINTS P.V.C. PIPE RESTRAINTS

PIPE SIZE	HORIZONTAL BENDS			PIPE SIZE	VERTICLE BENDS			TEE'S				DEAD END	REDUCER	
	90° BENDS	45° BENDS	22.5° BENDS		45° BENDS	22.5° BENDS	11.25° BENDS	TEE W/6" BRANCH	TEE W/8" BRANCH	TEE W/12" BRANCH	TEE W/16" BRANCH		SIZE	SEE NOTE L <sub>10</sub>
4"	17'	8'	4'	4"	LHS 16, LLS 3	LHS 8, LLS 2	LHS 4	20 RUN E.W. 4" BRANCH*	20 RUN E.W. 3" BRANCH*	20 RUN E.W. 4" BRANCH*	20 RUN E.W. 3" BRANCH*	38"	6" X 4"	28"
6"	24'	10'	5'	6"	LHS 22, LLS 4	LHS 11, LLS 3	LHS 6	20 RUN E.W. 5" BRANCH*	20 RUN E.W. 4" BRANCH*	20 RUN E.W. 5" BRANCH*	20 RUN E.W. 4" BRANCH*	53"	8" X 4"	30"
8"	31'	13'	7'	8"	LHS 29, LLS 5	LHS 14, LLS 4	LHS 7	20 RUN E.W. 6" BRANCH*	20 RUN E.W. 5" BRANCH*	20 RUN E.W. 6" BRANCH*	20 RUN E.W. 5" BRANCH*	70"	10" X 8"	28"
10"	37'	16'	8'	10"	LHS 35, LLS 6	LHS 17, LLS 5	LHS 9	20 RUN E.W. 7" BRANCH*	20 RUN E.W. 6" BRANCH*	20 RUN E.W. 7" BRANCH*	20 RUN E.W. 6" BRANCH*	84"	12" X 6"	29"
12"	43'	18'	9'	12"	LHS 41, LLS 7	LHS 20, LLS 6	LHS 10	20 RUN E.W. 8" BRANCH*	20 RUN E.W. 7" BRANCH*	20 RUN E.W. 8" BRANCH*	20 RUN E.W. 7" BRANCH*	99"LR**	12" X 8"	52"
16"	54'	23'	11'	16"	LHS 53, LLS 9	LHS 26, LLS 7	LHS 13	20 RUN E.W. 1" BRANCH*	20 RUN E.W. 1" BRANCH*	20 RUN E.W. 1" BRANCH*	20 RUN E.W. 1" BRANCH*	127"LR**	16" X 12"	54"
24"	76'	32'	15'	24"	LHS 74, LLS 11	LHS 36, LLS 8	LHS 18	20 RUN E.W. 1" BRANCH*	20 RUN E.W. 1" BRANCH*	20 RUN E.W. 1" BRANCH*	20 RUN E.W. 1" BRANCH*	179"LR**	20" X 12"	75"
30"	89'	37'	18'	30"	LHS 89, LLS 14	LHS 43, LLS 10	LHS 22	20 RUN E.W. 1" BRANCH*	20 RUN E.W. 1" BRANCH*	20 RUN E.W. 1" BRANCH*	20 RUN E.W. 1" BRANCH*	214"LR**	24" X 20"	54"

NOTE: 3 FT. PIPE COVER MIN. TEST PRESSURE 150 P.S.I. \*RESTRAINED FITTING ONLY. \*\*ALTERNATELY RESTRAIN BACK TO TEE AT BEGINNING OF BRANCH, UNOBSTRUCTED LENGTH ON THE SMALLER SIDE OF REDUCER. LHS = LENGTH OF HIGH SIDE OF FITTING, LLS = LENGTH ON LOW SIDE OF FITTING, LR = LENGTH OF RUN, EW = EACH WAY FROM FITTING, FACTOR OF SAFETY = 1.5.

FOR GREATER THAN 30" DIAMETER PIPE, PLEASE PROVIDE CALCULATIONS.

L<sub>10</sub> = RESTRAINED LENGTH OF LARGE SIDE OF REDUCER.

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION  
 DRAWING: DETAILS-VG-19 DATE: 11/29/07  
 G - 16A

REVISIONS				DATE	DESCRIPTION	CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT 1821 Victoria Avenue Fort Myers, FL 33901 Ph. 239-337-3330 Kristina Connelly, P.E. #54805	CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				ROAD NAME	COUNTY	PROJECT NO.	
							ORTIZ AVE.	LEE	20-0055	U-99

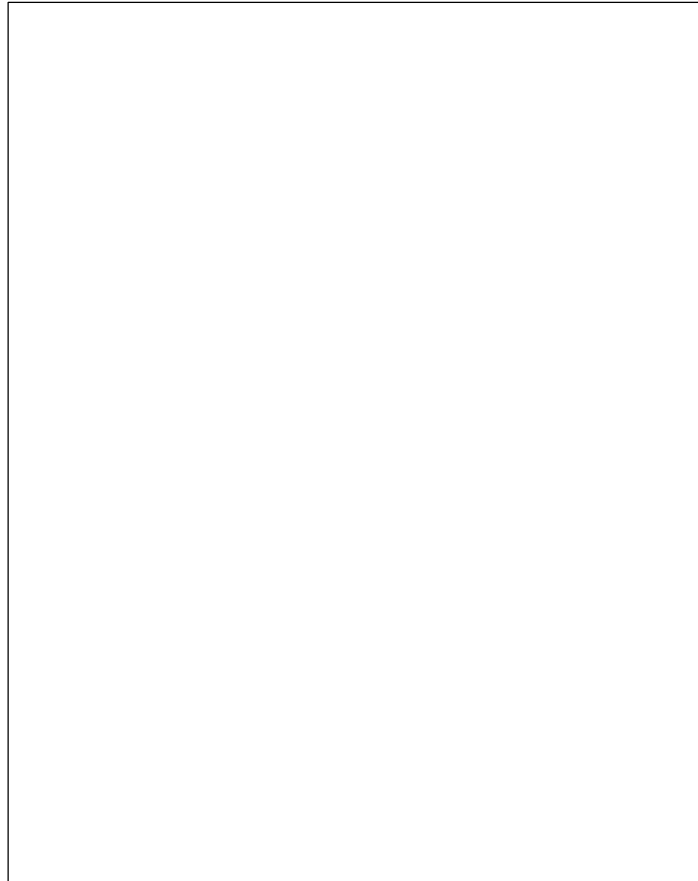
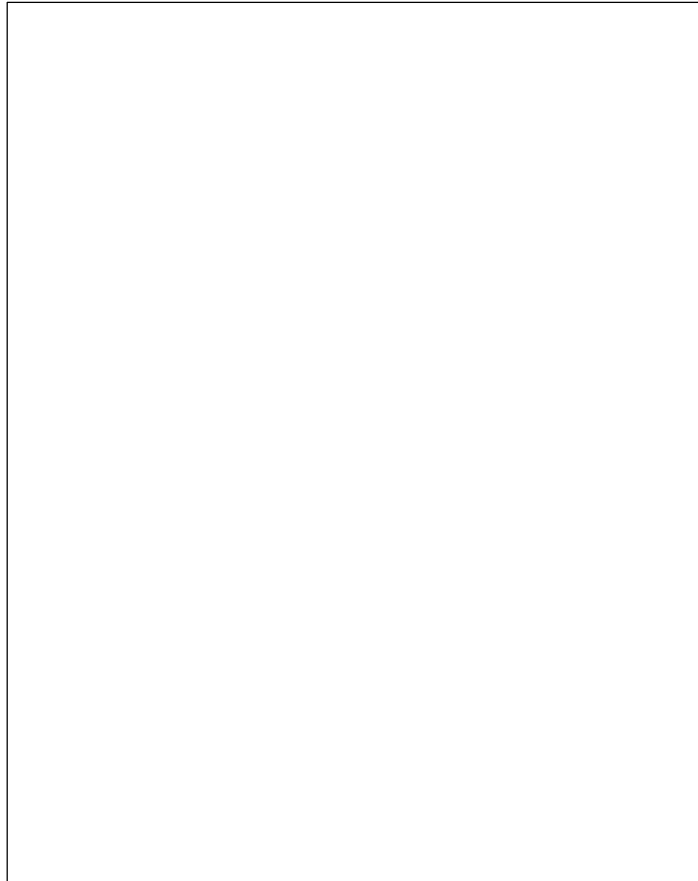
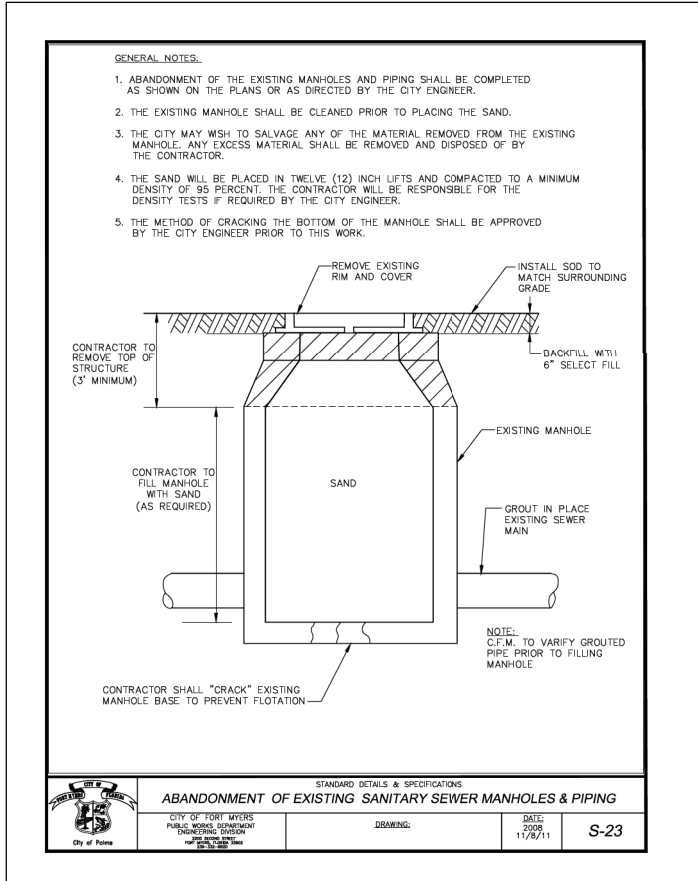
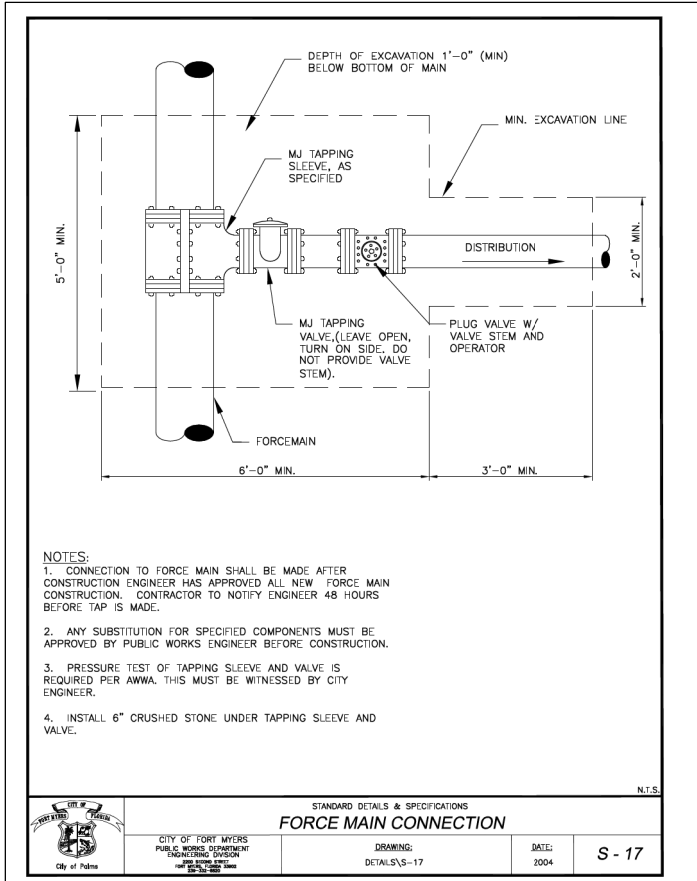
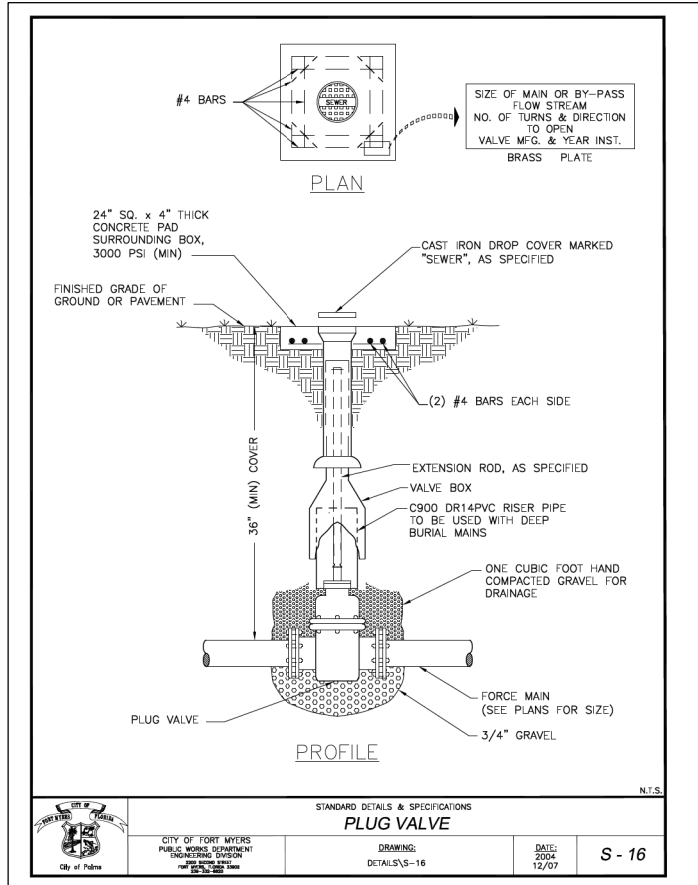
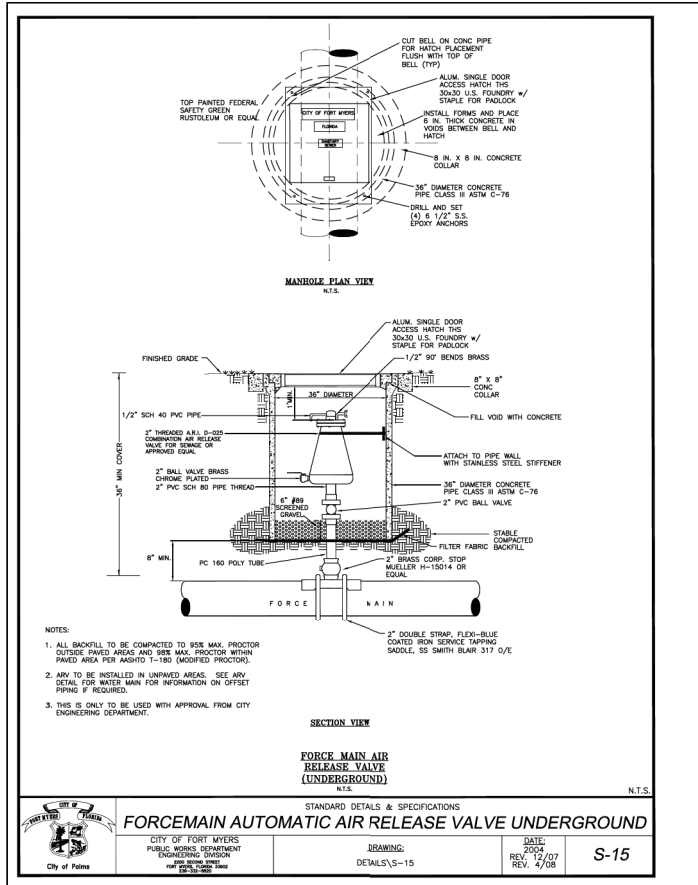
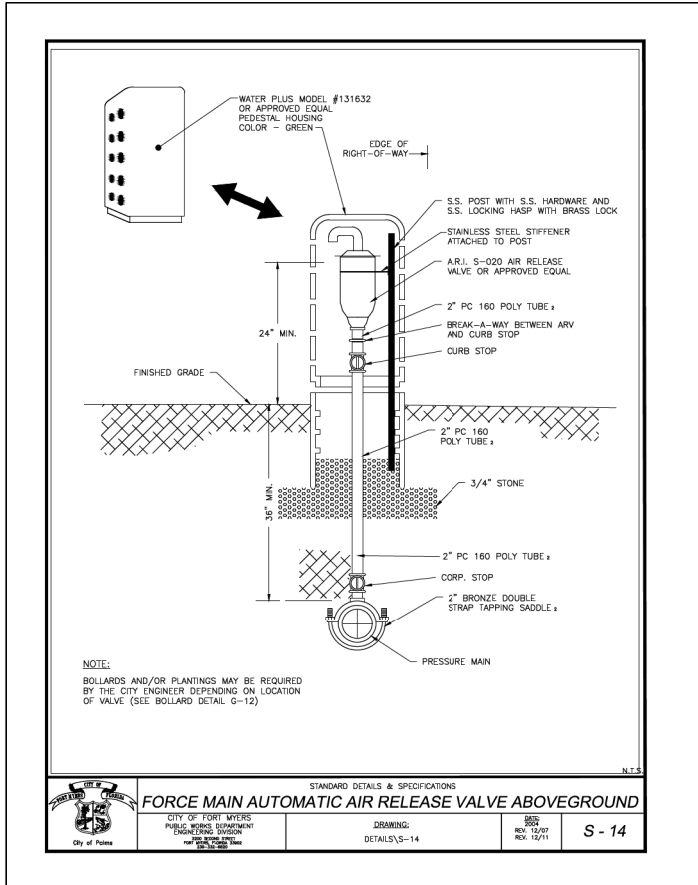
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OTHER PIPE	HORIZONTAL SEPARATION	CROSSINGS (1)	JOINT SPACING @ CROSSINGS (FULL JOINT CENTERED)
STORM SEWER, STORMWATER FORCE MAIN, RECLAIMED WATER (2)	WATER MAIN 3 FT. MIN.	WATER MAIN 12 INCHES IS THE MIN. EXCEPT FOR STORM SEWER, THEN 6" IS THE MIN. AND 12" IS THE PREFERRED	ALTERNATE 3' MIN. WATER MAIN
VACUUM SANITARY SEWER	WATER MAIN 10 FT. PREFERRED 3 FT. MIN.	WATER MAIN 12 INCHES PREFERRED 6 INCHES MIN.	ALTERNATE 3' MIN. WATER MAIN
GRAVITY OR PRESSURE SANITARY SEWER, SANITARY SEWER FORCE MAIN, RECLAIMED WATER (4)	WATER MAIN 10 FT. PREFERRED 6 FT. MIN. (3)	WATER MAIN 12 IN. IS THE MIN. EXCEPT FOR GRAVITY SEWER, THEN 6 IN. IS THE MIN. AND 12 IN. IS THE PREFERRED	ALTERNATE 6' MIN. WATER MAIN
SANITARY SEWER FORCE MAIN, RECLAIMED WATER (4)	10 FT. MIN.	-----	-----

(1) WATER MAIN SHOULD CROSS ABOVE OTHER PIPE. WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MIN. SEPARATION IS 12 INCHES.  
(2) RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.  
(3) 3 FT. FOR GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF THE GRAVITY SANITARY SEWER.  
(4) RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.  
(5) FOR ALL OTHER UTILITIES, A MINIMUM OF 18" CLEARANCE IS TO BE USED BETWEEN PIPES.

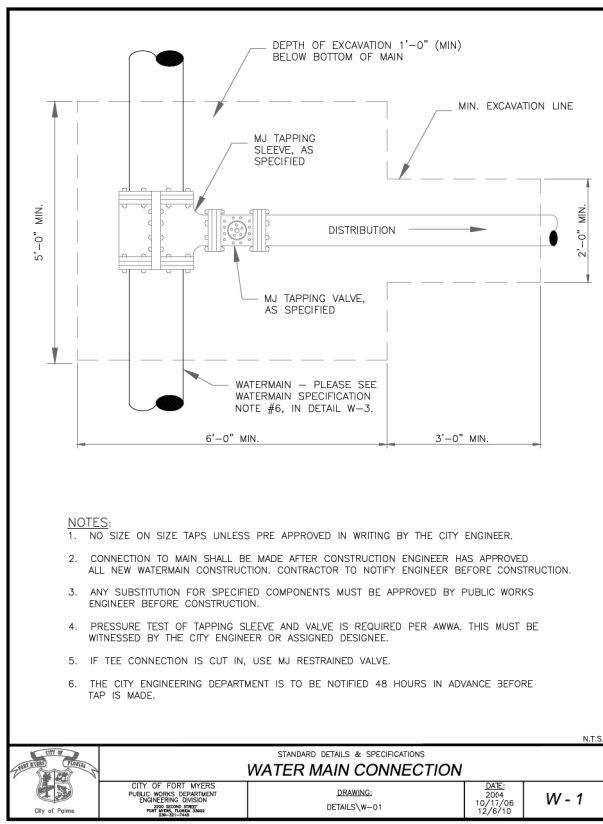
DISCLAIMER - THIS DOCUMENT IS PROVIDED FOR YOUR INFORMATION ONLY. PLEASE REFER TO F.A.C. RULE 62-555-314 FOR ADDITIONAL CONSTRUCTION REQUIREMENTS.

STANDARD DETAILS & SPECIFICATIONS			
<b>SANITARY SEWER/FORCE MAIN/WATER MAIN MIN. CLEARANCE</b>			
CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION	DRAWING: DETAILS/S-03	DATE: 2004 REV. 2/2006 REV. 6/2009	S - 3

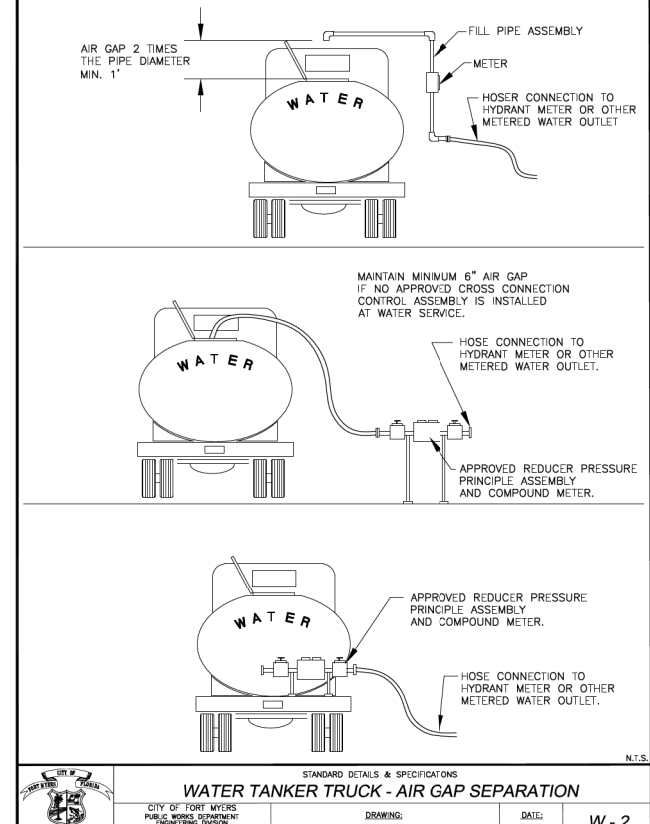


REVISIONS				DATE	DESCRIPTION	CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT	ROAD NAME	COUNTY	PROJECT NO.	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION							
						Stantec 1821 Victoria Avenue Fort Myers, FL 33901 Ph. 239-337-3330 Kristina Connelly, P.E. #54805	ORTIZ AVE.	LEE	20-0055	U-100

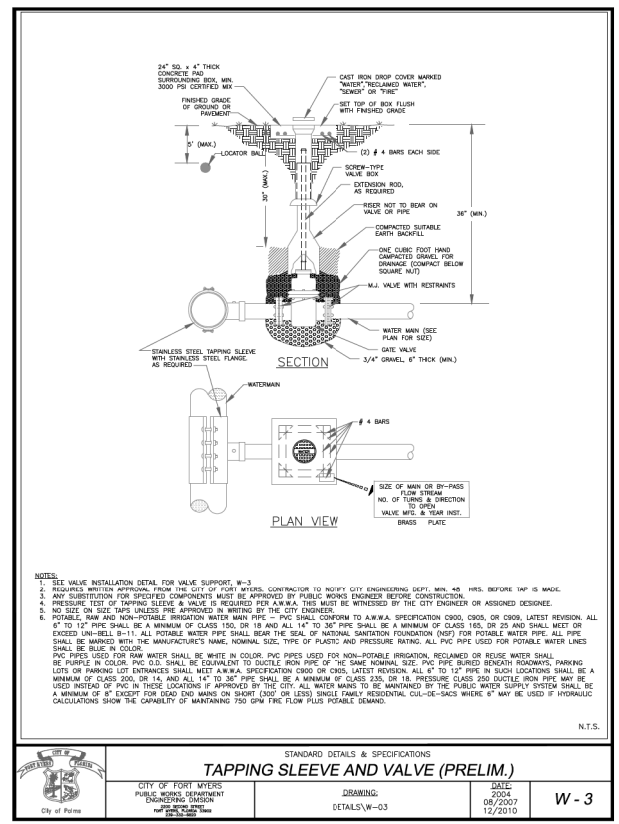
**UTILITY DETAILS**



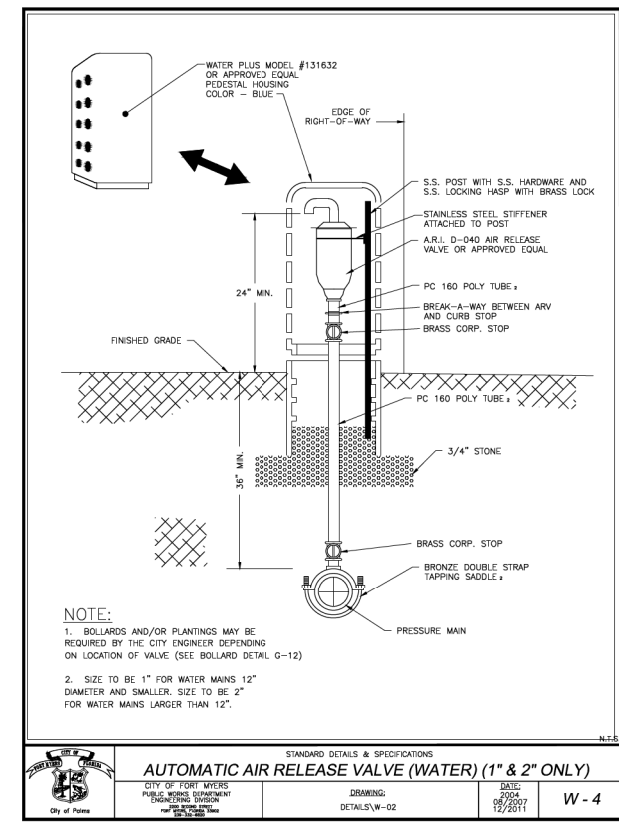
STANDARD DETAILS & SPECIFICATIONS			
<b>WATER MAIN CONNECTION</b>			
CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION	DRAWING: DETAILS/W-01	DATE: 2004 10/15/06 12/6/10	W-1



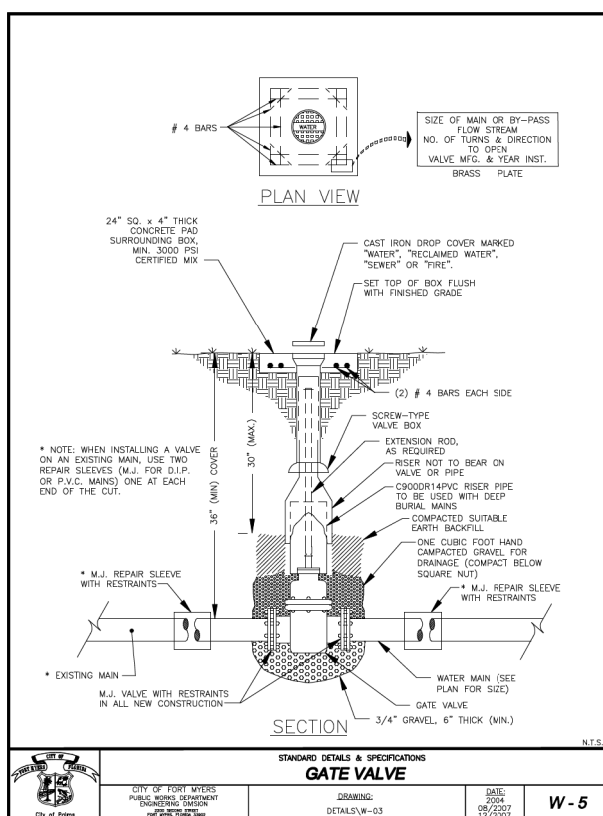
STANDARD DETAILS & SPECIFICATIONS			
<b>WATER TANKER TRUCK - AIR GAP SEPARATION</b>			
CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION	DRAWING: DETAILS/W-01	DATE: 7/20/07	W-2



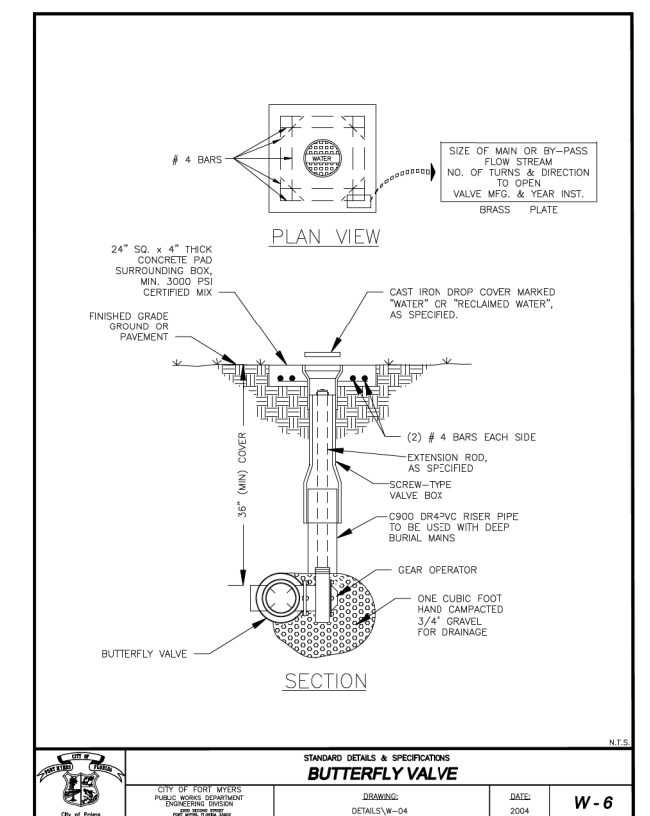
STANDARD DETAILS & SPECIFICATIONS			
<b>TAPPING SLEEVE AND VALVE (PRELIM.)</b>			
CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION	DRAWING: DETAILS/W-03	DATE: 2004 06/20/07 12/2010	W-3



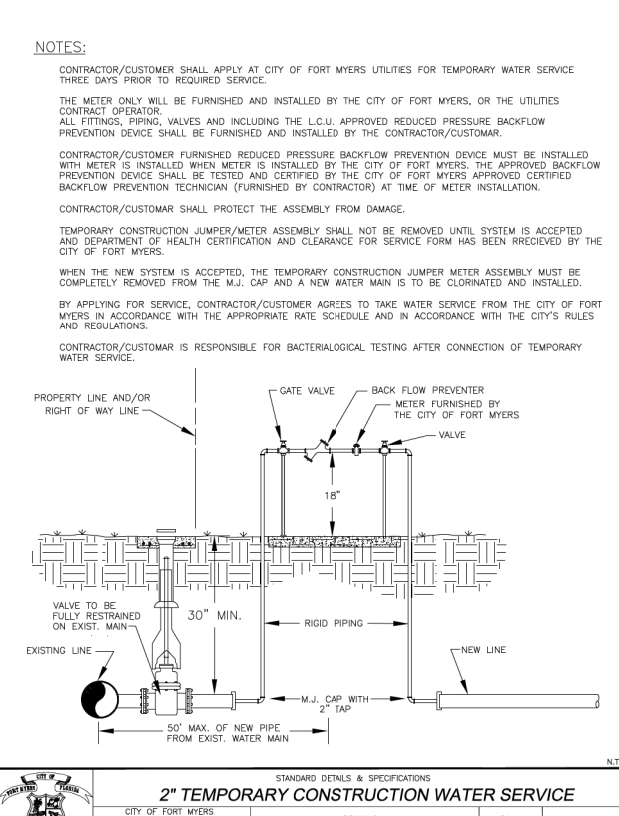
STANDARD DETAILS & SPECIFICATIONS			
<b>AUTOMATIC AIR RELEASE VALVE (WATER) (1" &amp; 2" ONLY)</b>			
CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION	DRAWING: DETAILS/W-02	DATE: 2004 08/20/07 12/2011	W-4



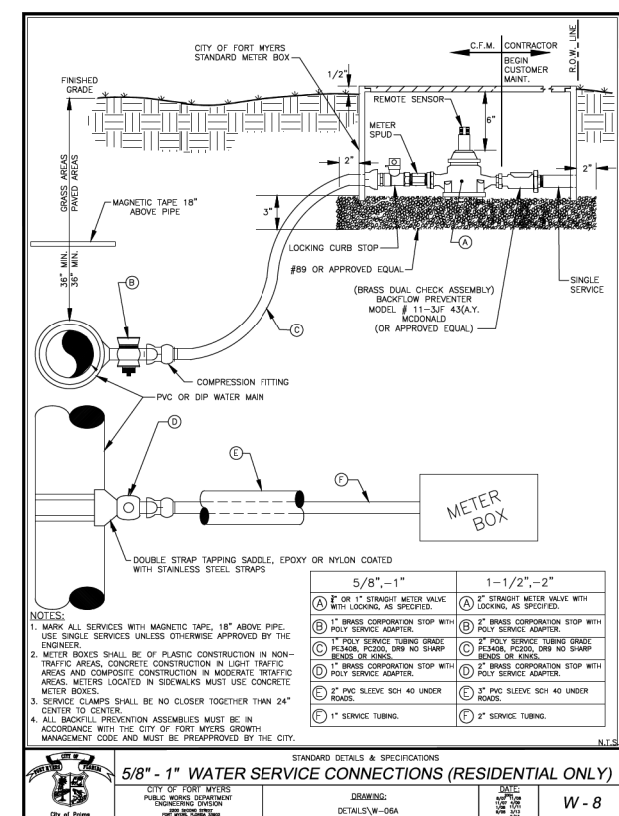
STANDARD DETAILS & SPECIFICATIONS			
<b>GATE VALVE</b>			
CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION	DRAWING: DETAILS/W-03	DATE: 2004 08/20/07 12/2010	W-5



STANDARD DETAILS & SPECIFICATIONS			
<b>BUTTERFLY VALVE</b>			
CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION	DRAWING: DETAILS/W-04	DATE: 2004	W-6



STANDARD DETAILS & SPECIFICATIONS			
<b>2" TEMPORARY CONSTRUCTION WATER SERVICE</b>			
CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION	DRAWING: DETAILS/W-05	DATE: 2004 08/20/07 12/2010	W-7



STANDARD DETAILS & SPECIFICATIONS			
<b>5/8" - 1" WATER SERVICE CONNECTIONS (RESIDENTIAL ONLY)</b>			
CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION	DRAWING: DETAILS/W-06A	DATE: 2004 08/20/07 12/2010	W-8

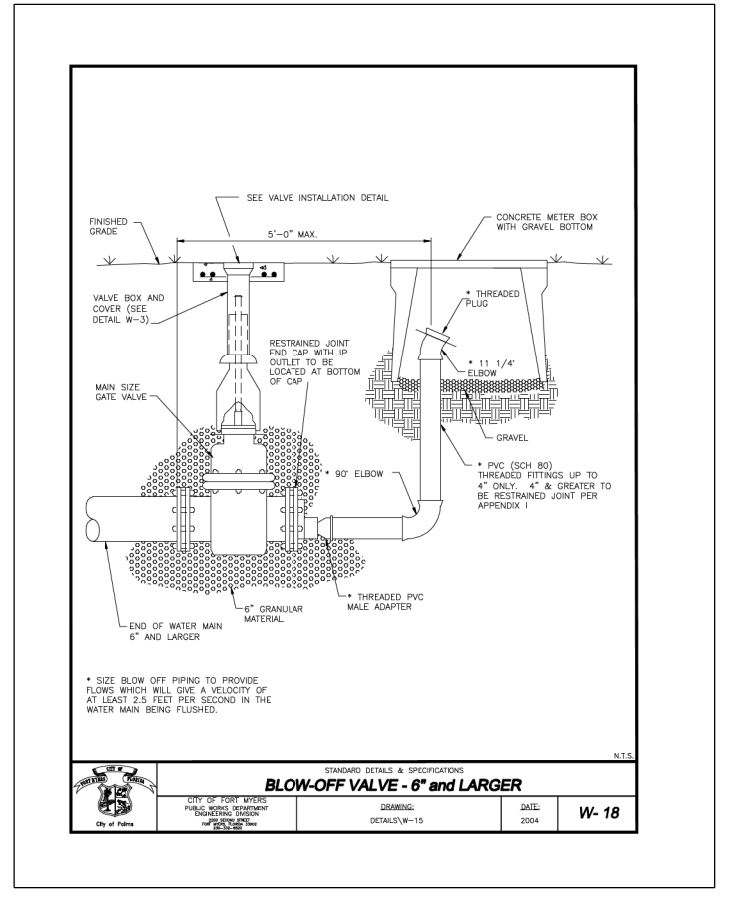
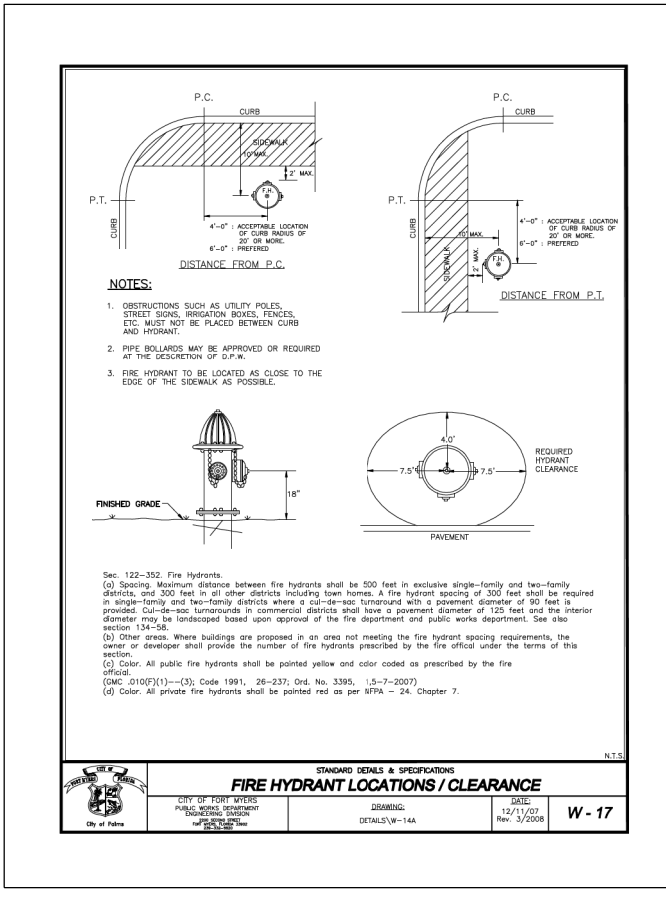
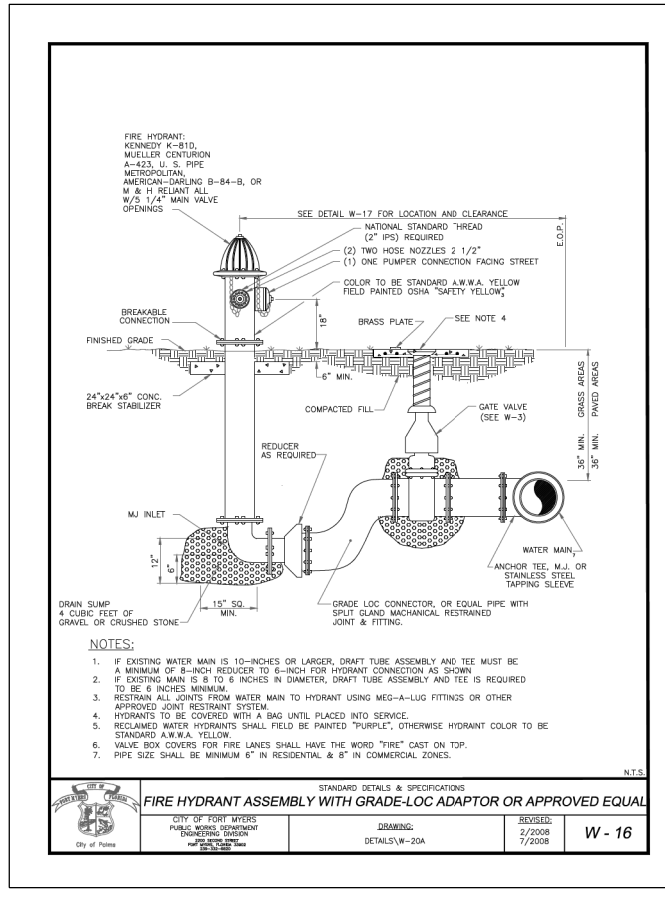
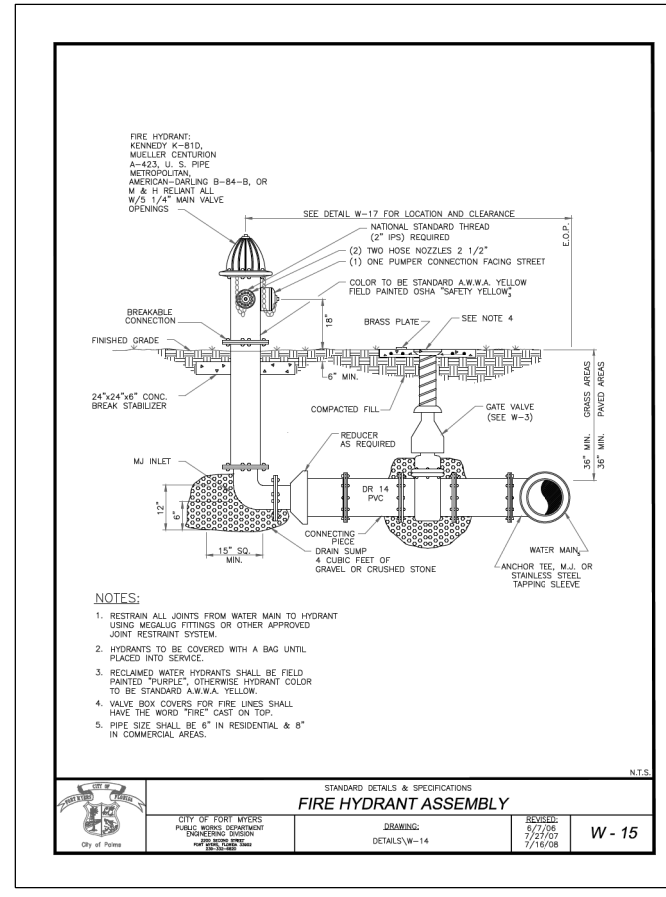
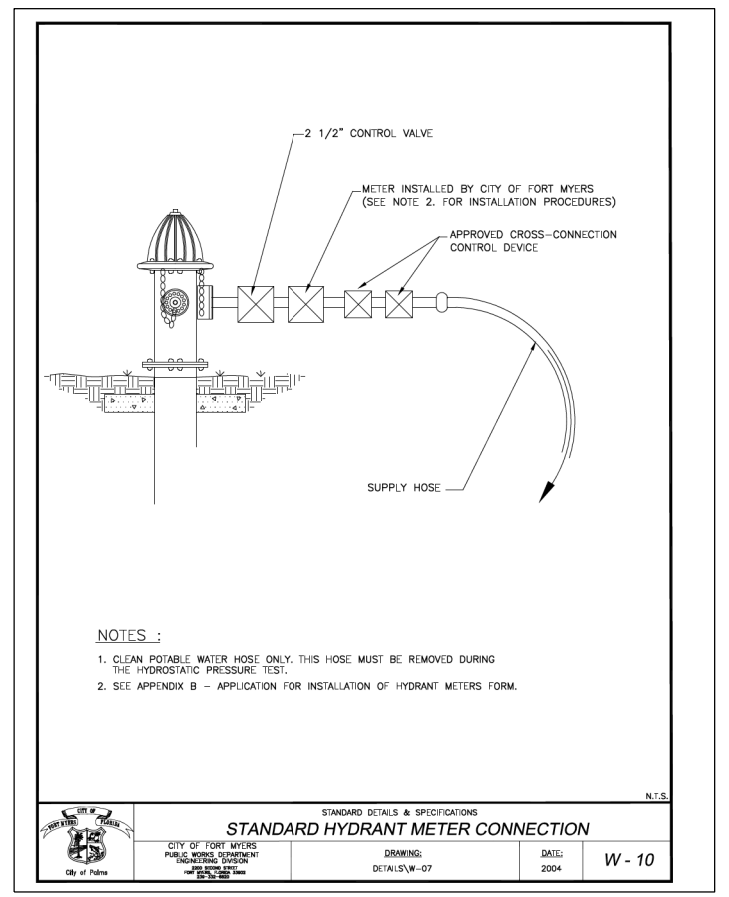
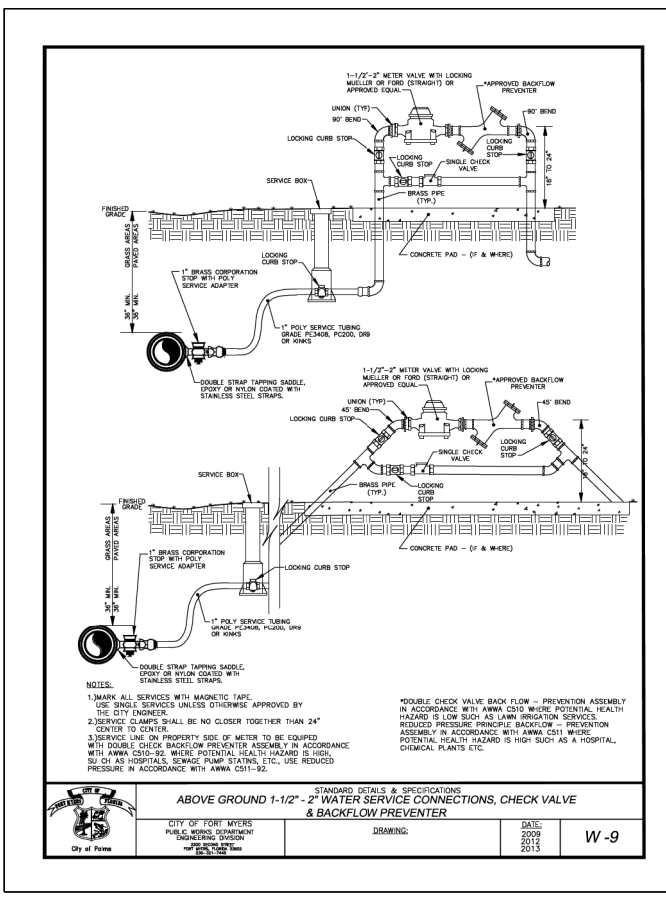
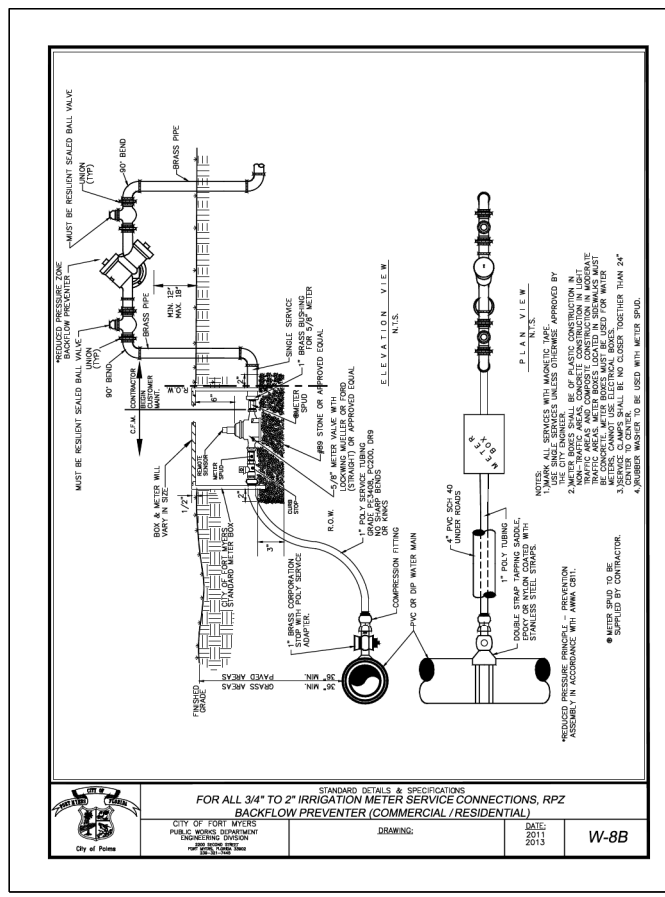
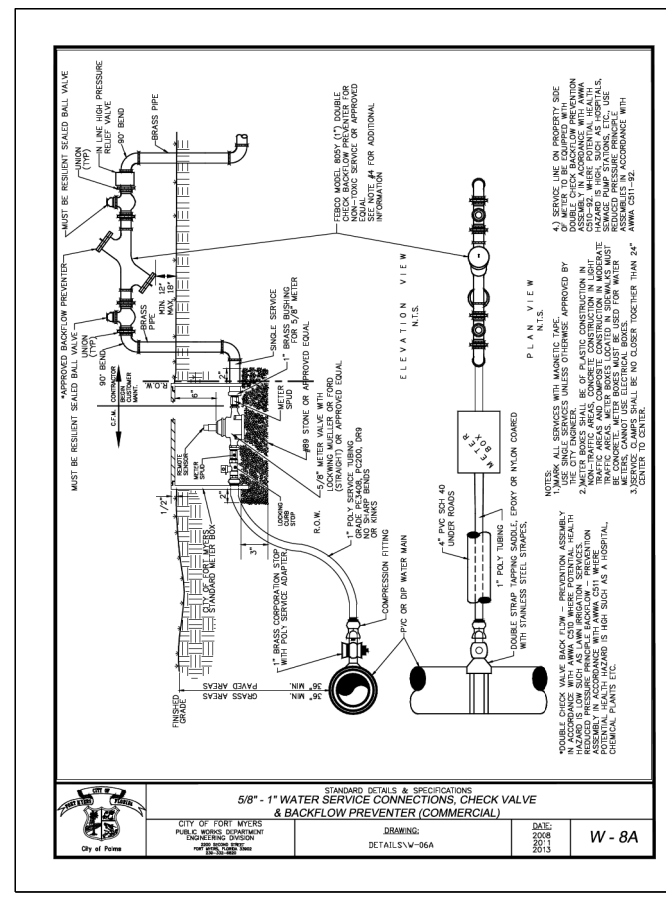
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Stantec  
1821 Victoria Avenue  
Fort Myers, FL 33901  
Ph. 239-337-3330  
Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

SHEET NO.	
U-101	

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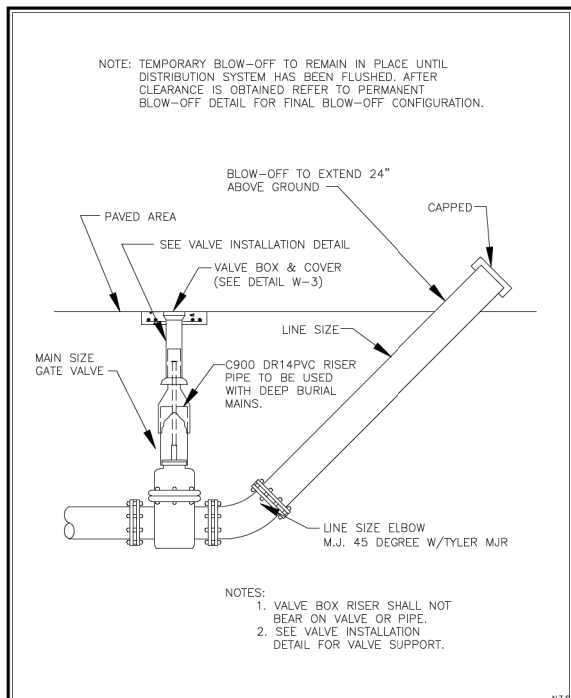
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

SHEET NO.	
U-102	

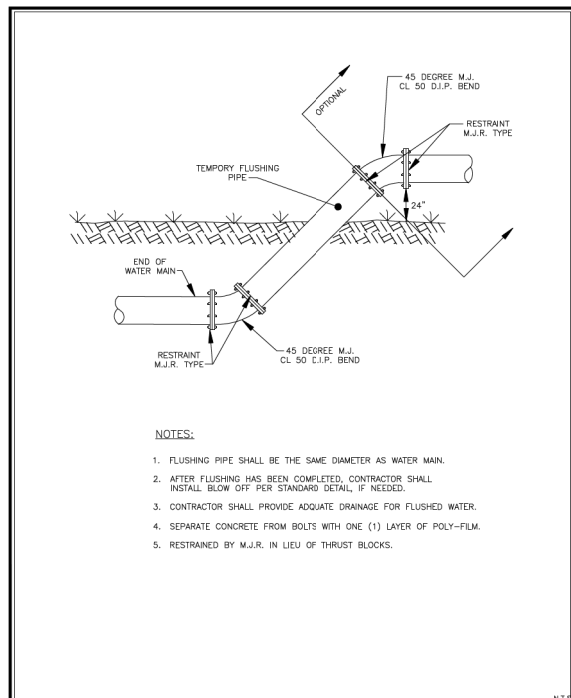
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NOTE: TEMPORARY BLOW-OFF TO REMAIN IN PLACE UNTIL DISTRIBUTION SYSTEM HAS BEEN FLUSHED. AFTER CLEARANCE IS OBTAINED REFER TO PERMANENT BLOW-OFF DETAIL FOR FINAL BLOW-OFF CONFIGURATION.

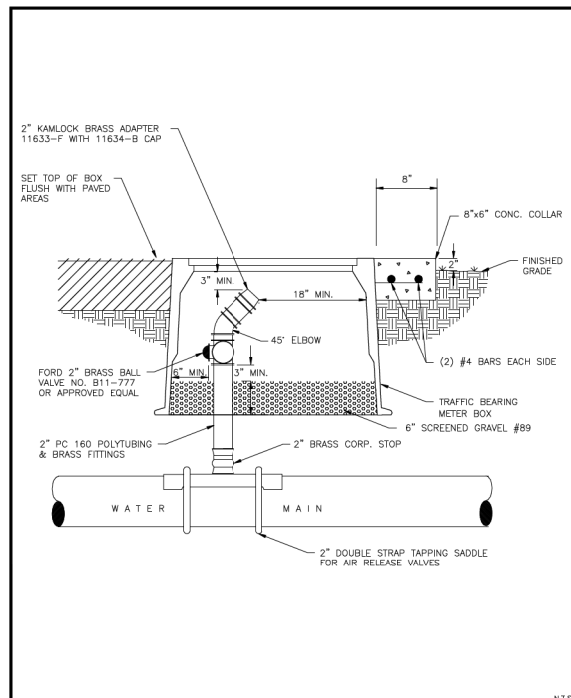
NOTES:  
 1. VALVE BOX RISER SHALL NOT BEAR ON VALVE OR PIPE.  
 2. SEE VALVE INSTALLATION DETAIL FOR VALVE SUPPORT.

STANDARD DETAILS & SPECIFICATIONS			
<b>TEMPORARY BLOW-OFF ASSEMBLY DETAIL - 6" AND LARGER</b>			
CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION 1000 W. PALM BLVD. FORT MYERS, FL 33901	ISSUED: DETAILS/W-15	DATE: 2004 12/07	W-19



NOTES:  
 1. FLUSHING PIPE SHALL BE THE SAME DIAMETER AS WATER MAIN.  
 2. AFTER FLUSHING HAS BEEN COMPLETED, CONTRACTOR SHALL INSTALL BLOW OFF FOR STANDARD DETAIL, IF NEEDED.  
 3. CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE FOR FLUSHED WATER.  
 4. SEPARATE CONCRETE FROM BOLTS WITH ONE (1) LAYER OF POLY-FILM.  
 5. RESTRAINED BY M.J.R. IN LIEU OF THRUST BLOCKS.

STANDARD DETAILS & SPECIFICATIONS			
<b>WATER MAIN FLUSHING DETAIL</b>			
CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION 1000 W. PALM BLVD. FORT MYERS, FL 33901	ISSUED: DETAILS/W-16A	DATE: 2007	W-21



STANDARD DETAILS & SPECIFICATIONS			
<b>BACTERIAL SAMPLE VALVE PERMANENT</b>			
CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION 1000 W. PALM BLVD. FORT MYERS, FL 33901	ISSUED: DETAILS/W-17	DATE: 2004	W-22

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Stantec  
 1821 Victoria Avenue  
 Fort Myers, FL 33901  
 Ph. 239-337-3330  
 Kristina Connelly, P.E. #54805

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT		
ROAD NAME	COUNTY	PROJECT NO.
ORTIZ AVE.	LEE	20-0055

**UTILITY DETAILS**

SHEET NO.  
**U-103**

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