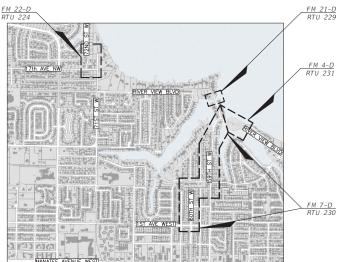
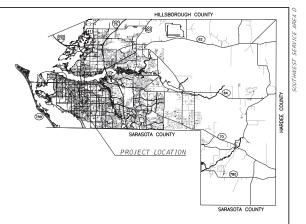
JULY 2024





BID PLANS

PRE-EBUILDER SUBMITTAL 4/22/24



NO, 60923
STATE OF O'CHES

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

# Digitally signed by John S Shoun Date: 2024.10.24 13:12:36 -04'00'

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.

UTILITY PLANS
PROFESSIONAL OF RECORD:
J. SHEA SHOUN, P.E.
FL LICENSE No: 60923

MANATEE COUNTY PUBLIC WORKS 1022 26th AVENUE EAST BRADENTON, FL 34208

FISCAL YEAR	SHEET NO.
2024	01 of 28

02 Notes 03 Kev Sheet & Abandonment Plan 72nd Ave NW [FM 22-D, RTU 224] 04 Riverview Blvd Warners Bayou West [FM 21-D, RTU 229] 05 Riverview Blvd Warners Bayou East [FM 4-D, RTU 231] 06 Riverview Blvd Warners Bayou East [FM 4-D, RTU 231] 07 08 60th St NW [FM 7-D, RTU 230] 60th St NW [FM 7-D, RTU 230] 09 10 5th Ave NW [FM 7-D, RTU 230] 59th St W [FM 7-D, RTU 230] 11 12 59th St W [FM 7-D, RTU 230] 59th St W [FM 7-D, RTU 230] 13 14 59th St W [FM 7-D, RTU 230] 59th St W [FM 7-D, RTU 230] 15 16 59th St W [FM 7-D, RTU 230] 17 Grout fill FM 7-D, in Easement 18 Restoration 1 of 3 19 Restoration 2 of 3 20 Restoration 3 of 3 Survey Control, SUE & VVH Tables 21 22 Details 23 Details 24 Riverview & 59th St W Roadway Asbuilt

Warners Bayou West Bridge Utility Asbuilt

Warners Bayou East Bridge Utility Asbuilt

INDEX OF SHEETS

Sheet Title

#### PROJECT DESCRIPTION

27

Sheet

01

Cover

INSTALL APPROXIMATELY A TOTAL OF 5,700 LF OF 4, 6 & 8-INCH REPLACEMENT SEWAGE FORCE MAINS FOR VARIOUS LIFT STATIONS.

Erosion Control



ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

#### GENERAL

- ALL CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH THE PROJECT MANAGEMENT DIVISION.
  THE PROJECT MANAGER IS: MARCENEL JOSEPH, PE AND CAN BE REACHED AT 941.708.7450 x7329
- 3. ALL CONSTRUCTION ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF MANATEE COUNTY UTILITY AND TRANSPORTATION STANDARDS, FDOT "STANDARD SPECIFICATIONS FOR FOOD AND BRIDGE CONSTRUCTION" AND/OR THE FLORING BUILDING CODE. ALL WORK ON PRIVATE PROPERTY SHALL BE PEFFORMED BY A LICENSED PULIMER REGISTERED IN MANATEE COUNTY, UNLESS OTHERWISE DIROCATE ON THE FLANS.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL CONDITIONS AND REQUIREMENTS OF ALL PERMITS AND ALL COVERING FEDERAL, STATE, AND LOCAL AGENCIES. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS THAT ARE NOT PROVIDED IN THE BID DOCUMENTS, AT NO ADDITIONAL COST TO THE OWNER.
- 5. THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COUNTE OF AUGUST AND AND AUGUST HAWEVER INSTITUTION THEY MAY USE RESESSIVE AND AUGUST HAWEVER INSTITUTION. THEY MAY USE RESESSIVE AND AUGUST AUGUST AUGUST HAVE A REPORTING THE ACTUAL CONTRIBUTION THE AUGUST AUGUST AUGUST AUGUST AND AUGUST AUGUST
- 7. AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA AT 1-800-432-4770 OR THE NATIONAL 811 ONE CALL INJURER WHEN PAPULABLE FOR UTILITY LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL UTILITIES FOR THE POSSIBLE RELOCATION OR THE TEMPORARY MORPHEM TO ANY EXISTING UTILIES WITHIN THE RIGHTS-OF-WAY.
- 8. NO WORK, EXCEPT FOR EMERGENCY TYPE, SHALL BE PERFORMED AFTER 7:00 PM AND BEFORE 7:00 AM. FOR ADDITIONAL PROJECT RESTRAINTS, REFER TO SECTION 01310 OF THE SPECIFICATIONS.

## SAFETY

- 11. THE CONTRACTOR SHALL USE ALL NECESSARY SAFETY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND UTILITIES, POWER LINES, ETC. 12. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. THIS EXCLUSION DOES NOT ALLEVATE THE CONTRACTOR FOR PROVIDING A CONTINUOUS SAFE WORKSPACE.

### ENVIRONMENTAL

- THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY STORM WATER, EROSION, AND SEDMENTATION CONTROL MEASURES IN ACCORDANCE WITH THE FEDE "TLORIDA STORM WATER, EROSION AND SEDMENTATION CONTROL INSPECTOR'S MANUAL", IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL AND PREVENT RESOON AND TRANSPORT OF SEDMENT TO SUPPLIED TO SUPPLIED TO SUPPLIED THE AND TO TO DICTIONE DURING CONSTRUCTION.
- 14. STOCKPILES SHALL BE PROTECTED AT ALL TIMES BY ON-SITE DRAINAGE CONTROLS WHICH PREVENT EROSION OF THE STOCKPILED MATERIAL. CONTROL OF DUST. FROM SUCH STOCKPILES WILL BE PRESENT. IN NO CASE SHALL ANY STOCKPILED MATERIAL REMAIN AFTER THEM (30) CALEDINA DAYS.
- TIS SERVING SHORT AND THIS SERVINGTES BEING, SERVING SHORTERS, NEGETATING BUTTERS, AND OTHER MEASURES, RETEXED TO THEIR PERMITTATION OF THE MEASURES, RETEXED TO THE PROPERTY OF THE MEASURES OF THE SERVING SHORTERS, PROTECTED FROM DETURBANCE, AS A PRICE TEST IN THE MEASURE SHORTERS, SHORTERS, SHALL BE FALLY DOES SHALL BE STRAIGHT AND SHALL BE SHALL B
- 17. ALL SWALES, DITCHES, AND CHANNELS LEADING FROM THE SITE SHALL BE PROTECTED FROM SILTATION AND EROSION DURING CONSTRUCTION AND BE SODDED WITHIN THREE (3) DAYS OF EXCAVATION.
- ALL EROSION AND POLLUTION CONTROL DEVICES SHALL BE CHECKED REGULARLY, ESPECIALLY AFTER EACH RAINFALL AND SHALL BE CLEANED OUT AND/OR REPARED AS REQUIRED.
- I. THE CONTINUATION SHALL NOT ENTEX UPON OR IN ANY WAY ALTER WETLAND AREAS THAT MAY BE ON OR NEAR THE CONSTRUCTION STEE ALL WORK IN THE VIOLITY OF OPEN WATER AND/OR PERMITS FOR THE SITE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY FINES RESULTING FROM HIS VIOLATION OF ANY REGULATIONS OR PERMIT CONDITIONS.

DATE

- 22. ALL CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO WITHIN THE MANATEE COUNTY/FDOT RIGHT-OF-WAY AND/OR EASEMENTS SHOWN ON THE DRAWINGS
- 23. THE CONTRACTOR SHALL EMPLOY A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA TO REFERENCE AND RESTORE PROPERTY CORNER MONUMENTS, PINS, AND LANDMARKS THAT MAY BE DISTURBED BY CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
- 24. THE CONTRICTOR, PROC TO CONSTRUCTION AND RESTRICTION ANY TREFFIC, MUST OFFINAL A ROUNTS-OF-BANN USE FERMIT AND A TREFFIC CONTRICTOR SHAW. THE OFFINAL CONTRICTOR SHAW, CRISTON ALL RESURPS AND CONTRICTORS AND CONTRICTORS
- 25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL DAMAGED STORM WATER STRUCTURES, PIPING, ENTRANCE PIPE AND HEADWALLS WHETHER SHOWN ON THE PLANS OR NOT. THE HEADWALLS SHALL BE REPLACED IN ACCORDANCE WITH F.D.O.T. STANDARDS.
- 26. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH IN THE FIELD THE RIGHT-OF-WAY LINES, BASE LINES, BENCH MARKS (ELEV.), CENTER LINES, AND STATIONING AS REQUIRED TO CONSTRUCT THIS PROJECT.
- 27. THE CONTRACTOR SHALL COORDINATE THE CUTTING OF DRIVEWAYS WITH THE PROPERTY OWNER PRIOR TO CUT. ALL DRIVEWAYS WILL BE IN PASSABLE CONDITION AT THE END OF THE WORK DAY AND FULLY RESTORED PER SECTION 02575.
- UTILITIES
- 29. ALL EXISTING FACILITIES IN THE PROJECT AREA SHALL REMAIN OPERATIONAL AND ACCESSIBLE BY COUNTY PERSONNEL AT ALL TIMES, LE. VALVES, MANHOLE COVERS, SEWER CLENH-OUTS, ETC.
- 30. LOCATIONS, ELEMATIONS AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN TO THE BEST INFORMATION AWALABLE AT THE TIME OF PREPARATION OF PRESE PLANS BUT DO NOT PURPORET TO BE ABSOLUTELY CORRECT. THERE MAY BE OTHER MEROPEABLENS, UTILITIES, ETC. WINTO COLORIDA IN THE EVACUAL COLORIDA ONES OF THE MAY BE OTHER MEROPEABLENS, UTILITIES, ETC. WINTO COLORIDA IN THE EVACUAL COLORIDA ONES ONE ONE OTHER STRUCTURES AND OTHER FEATURES (WHITHER OR NOT SHOWN ON THE PLANS) THAT MAY EFFECT HIS WORK, ALL EDISTRO FUNDED TO CONSISTENCY OF CONNECTION AND ELEMANDES. OR CONNICTION FOR THE PLANS INTO THE PLA
- 31, THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, WATER/RECLAIM/SEWER LINES, STORM DRAINS, OTHER UTILITIES, DRIVEWAYS, SIDEWALKS, SIGN MILE DOST, PROJECT ALL EXISTING STRUCTURES, WATER/YECCOMES CHEEF CHES, STOWN MORNS, OTHER UNION, SUBMANS, SOSTO, SUBMANS, SOSTO, WATER CONSTRUCTION AREA. THE CONTROLOR AREA THE CONTROLOR SHALL REPAR AND/OR REPLACE ANY DAMAGED ITEM DUE TO HIS CONSTRUCTION. ACCIDENT OF THE PROPERTY OF THE COUNTY, ALL EXISTING AND PROPOSED VALVE COVERS, RIUS, ETC. SHALL BE REPORTED THAT FOR THE PROCEDURE AND ADDITIONAL COST TO THE COUNTY, ALL EXISTING AND PROPOSED VALVE COVERS, RIUS, ETC. SHALL BE REPORTED TO FIRM FROM OF THE PROCEDURE AREA.
- 32. THE CONTRACTOR SHALL USE APPROPRIATE TECHNIQUES, AS APPROVED, RECOMMENDED, OR OFFERED BY AN EXISTING UTILITY, (I.E. FLORIDA POWER AND LIGHT) TO PREVENT UNDERWINNED OF POWER POLES DURING CONSTRUCTION. IF TOLORING OF POWER POLES IS RECOMMENDED OR REQUIRED BY THE UTILITY, THE CONTRACTOR SHALL COORDINATE THIS ACTITITY WITH THE UTILITY AND BEAR ANY RELATED COSTS.
- 33. ANY TEMPORAYS SAUTOMES FOR MODIFICATIONS OF DESTINE UTILITY ENSEMBLE THAT MUST REMAIN IN SERVICE DURING CONSTRUCTIONS SHALL BE CORPORATED WITH AND APPROPED BY THE MANNEY COUNTY UTILITY OPERATIONS CERPITATION AND ACCOUNTACE WITH COUNTAIN THE CONTRACT DOCUMENTS. IT IS NOTED THAT TEMPORARY SHUTOWNS MAY BE RESTRICTED TO CERTAIN HOURS AT ANY TIME OF THE DAY OR NIGHT AND WILL BE COMPLETED AT NO ADDITIONAL COST TO THE OWNER.
- 35. ALL WATER SERVICES TO BE INSTALLED OR MODIFIED ON PRIVATE PROPERTY SHALL REQUIRE A PLUMBING PERMIT;
- . MINES SERVICES IN DE. MOINEAUE ON MUDINED ON HYMINE MOUTHN'S MALL REQUIRE, A PLUMBING PLANIT;

  THE COMMISSIONES PLUMBER SMALL RISKELLA REQUESTOR (MESSURE (ME) THE BEOCHDING MESSUREMENTION ASSEMBLES (BPA'S) EQUIPPED WITH A PRESSURE
  RELLEY WALKE AT THE POTRAGE MATER METER WHENEVER ANY OF THE FOLICIAING CONDITIONS EXIST AT A PROPERTY:

  "IN-GOUND REGIONORY STEED OF MODROROUND SEPRIFICES."
- WING POOL, ROUND IRRIGATION SYSTEM OR UNDERGROUND SPRINKLERS, NDARY SOURCE OF WATER (L.E. RECLAIMED WATER OR WELL) REVISIONS

DESCRIPTION

- Manatee
- 64. THE FOLLOWING DERITIES THE QUALITY LEVEL OF EXISTING UTILITY LINEWORK ON PLANS.
  LEVEL, "X"—VESUALLY LOCATED OR SOFT DOSS (HORIZOHTAL AND VERTICAL)
  LEVEL "X"—DERITAGE VISIBLE FEATURES SUPPLY
  LEVEL "0"—DESITING RECORDS OR GIS
  REFERENCE 2010 EDITION OF POOT UTILITY ACCOMMODITION MANUAL (UMA)

E. VACUUM BREAKERS SHALL BE INSTALLED ON ALL EXTERNAL HOSE BIBBS.

B. A LEDISCID PLUMBER HILL INSTALL THE BRY'S IN ACCIONANCE WITH THE CHRENT FLORID FLUMBING CODE AND MANTEE COURTY CODE OF ORDINANCES, AND SHALL SELECT A RESSURE RELET VALUE WITH AN APPROPRIETE PRESSURE SET FORT OF PROTECT HIS CONSTRUCT FOR PLUMBING AND NOT ALLOW DUCKSING LEAVAGE DUT TO SYSTEM SURPLY PRESSURE. A PRESSURE REDUCING VALVE MAY BE INCESSARY UPSTREAM OF THE PRESSURE RELET OF THE PROPERTY OF THE PRESSURE CHARGES OF THE COMMAND SHALL COORDINATE WITH CONTINUE TOWN CONTINUED NO CONTINUED AND THE PRESSURE RELET PROTECTION CONTINUED AND THE PROPERTY AS THE PROP

C. IF IN-GROUND IRRIGATION SYSTEM IS CONNECTED TO THE POTABLE WATER LINE, AN ADDITIONAL REDUCED PRESSURE (RP) BPA SHALL BE INSTALLED AT THE POINT OF CONNECTION.

34. ALL RESTORATION WORK PERFORMED THROUGHOUT THE PROJECT SHALL CONFORM TO EXISTING LINES AND GRADES UNLESS SHOWN OTHERWISE. ALL RESTORATION LIMITS ARE APPROXIMATE AND SUBJECT TO THE DIRECTION OF THE COUNTY FIELD REPRESENTATIVE.

35. ALL DISTURBED GRASSED AREAS SHALL BE SOODED OR SEEDED UNLESS OTHERWISE INDICATED. THE TYPE OF SOD USED TO REPLACE OWNER MAINTAINED AREAS IN RIGHT-OF-WAY SHALL BE COORDINATED WITH THE PROPERTY OWNER.

40. ALL EXISTING SIGNING, THERMOPLASTIC PAVEMENT MARKINGS, ETC... SHALL BE RESTORED/PROVIDED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MUTCO FDOT DESIGN STANDARDS AND THE MANATEE COUNTY PUBLIC WORKS DEPARTMENT HIGHWAY, TRAFFIC AND STORMWATER STANDARDS, AND/OR AS DIRECTED BY THE CRIMITY

42. THE EXHAUST SYSTEM OF ALL CASCURE AND DISSEL ENGINES SHALL BE EQUIPPED WITH MUFFLERS THAT MEET THE EQUIPMENT MANUFACTURER'S REQUIREMENTS FOR NOISE SUPPRESSION. THE CONTRACTOR SHALL INSTALL NOISE ABATEMENT BAFFLES POSITIONED TO BREAK LINE-OF-SITE FROM THE NOISE SOURCE TO AFFECTED RESIDENCES, AS APPROVED BY THE LEMBIER.

43. NO MATERIAL SHALL BE STOCKPILED IN ROADWAYS. ALL DIRT AND DEBRIS SHALL BE REMOVED FROM THE JOB SITE DAILY. ROADS SHALL BE SWEPT DAILY AS PART OF DAILY CLEAN UP.

47. THE CONTRACTOR SHALL PROVIDE ALL DEWATERING EQUIPMENT NECESSARY TO KEEP ALL EXCAVATIONS DRY. DEWATERING IS REQUIRED TO 18" BELOW TRENCH BOTTOM.

48. ALL PIPING AND FITTINGS USED ON THIS PROJECT SHALL BE AS NOTED ON THE PLANS AND IN THE CONTRACT DOCUMENT AND SHALL BE INSTALLED TO THE LINES AND GRADES SHOWN ON THE PLANS AND PROFILES. MODIFICATIONS MUST BE APPROVED BY THE ENGINEER OF RECORD.

51. ALL FITTINGS FOR PRESSURE CLASS-RATED PIPE SHALL BE RESTRAINED DUCTILE IRON. RESTRAINED LENGTHS OF PIPE SHALL ADHERE TO THE REQUIREMENTS AS SHOWN ON THE DETAIL SHEETS.

54. ALL ROCKS OR STONES LARGER THAN SIX INCH DIAMETER SHALL BE REMOVED FROM THE BACKFILL MATERIAL. BACKFILL MATERIAL PLACED WITHIN ONE FOOT OF PIPING AND APPURTENANCES SHALL NOT CONTAIN ANY STONES LARGER THAN TWO INCH DIAMETER.

56. ALL PENETRATIONS OF EXISTING STRUCTURES SHALL BE BY MECHANICAL ROTARY CORE DRILLING METHOD. ALL CONCRETE PENETRATED OR DISTURBED SHALL BE COATED WITH TWO COATS OF EPOXY.

57. THE CONTRACTION, PRIOR TO ANY TEMPORARY WATER SHIT—OFTS DURING WATER MAIN TIE—II, ETC., SMLL NOTIFY THE AFFECTED RESIDENTS BY POSTING INFORMATIONAL SLOGS IN THE INCOMPRISON LOSS OF LICENT TOO GAY'S, (IN RES). MORE OF THE WORLD SHIT—OFT, FOR THE RECORDINATION LOSS, ANALOGO TO THE WORLD SHIT—OFT, FOR THE RECORDINATION LOSS, ANALOGO TO THE WORLD SHIT—OFT, FOR LOSS OFT, FOR THE WORLD SHIT—OFT, FOR LOSS OFT, FOR LOSS OF

59. ALL TEST POINT PIPING SHALL BE CUT LOOSE FROM THE CORPORATION STOP AND COMPLETELY REMOVED AND DISPOSED OF BY THE CONTRACTOR PRIOR TO FINAL ACCEPTANCE. A CORPORATION STOP BRASS PLUG SHALL BE INSTALLED AND THE CORPORATION STOP SHALL REMAIN IN PLACE. 60. WATER MAINS CROSSING OVER OR UNDER SANITARY SEWERS, FORCE MAINS, AND RECLAIMED WATER LINES SHALL BE LAID PER CURRENT EDITION OF "10 STATE STANDARDS" AND MANATEE COUNTY UTILITY STANDARDS UNLESS NOTED OTHERWISE ON THE PLANS.

AS THE CONTRICTOR SHALL MANTAN AS BRIEF DOWNINGS OF THE ROPE AS CINCETRUITED. SHALL REMAINS SHALL REQUES THE EXCIDION OF AMACORISE MINE CLIFT AND PUR FORMS. AS FALL REMAINS THE ANALYSIS THE EXPRONENT SHALL REMAINS THE OFFICE AND AND THE OWNER OF THE ANALYSIS THE OWNER OF THE ANALYSIS THE OWNER OF THE OWNER OWNER AND THE OWNER OWNER AND THE OWNER OWNER

53. ALL PIPE LENGTHS ARE PLUS OR MINUS AND MAY BE ADJUSTED IN THE FIELD AS REQUIRED. PIPE MEASUREMENTS ARE TO CENTER OF STRUCTURES OR FITTINGS.

55. ONLY MANATEE COUNTY UTILITY OPERATIONS STAFF ARE AUTHORIZED TO OPERATE VALVES ON COUNTY OWNED AND MAINTAINED UTILITY SYSTEMS.

36. ALL CONCRETE THRUST BLOCKS INSTALLED FOR TESTING PURPOSES AND NOT REQUIRED FOR THE OPERATION OF THE PIPELINE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR, PRIOR TO FINAL ACCEPTANCE, AT NO ADDITIONAL COST TO THE OWNER.

37. ASPHALT DRIVES THAT ARE CUT SHALL BE RESTORED PER SECTION 02513 OF THE INFRASTRUCTURE ENGINEERING STANDARD SPECIFICATION. 38. CONCRETE DRIVEWAYS OR SIDEWALKS THAT ARE CUT SHALL BE RESTORED TO MATCH EXISTING ACCORDING TO THE CURRENT EDITIONS OF THE MANAITEE COUNTY PUBLIC WORKS STANDARDS PART 3. HIGHWAY & TRAFFIC STANDARDS MANUAL, DATED JUNE 2015, SECTION 3.7 DRIVEWAYS AND SECTION 3.5 SIDEWALKS AND/OR THE FLO.0.7 SECRION STANDARDS. CONCRETE WITH A 20.00 PS IO 2.8 DAYS SHALL BE USED.

- J. SHEA SHOUN, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 60923.
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EXISTING UTILITY LOCATIONS

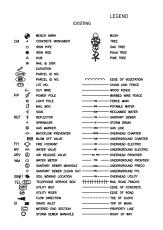
MANATEE COUNTY PUBLIC WORKS DEPARTMENT PROJECT # 404-6089781 SURVEYED GFY

# SEC./TWN./RGE 19,20,29,/34/17 DESIGNED JSS/BLR 08/2023 SEE PLANS DRAWN BLR/JSS 08/2023

#### MAINTENANCE OF TRAFFIC

- 65. THE CONTRACTOR IS RESPONSIBLE FOR ANY TRAFFIC CONTROL PLAN (ICP) IMPLEMENTED. THE TCP SHALL BE PREPARED BY AN INDIMUDUAL CERTIFIED TO PREPARE A TOP IN THE STATE OF LOCKED AT THE AMERICAN CONTROL OF THE TOP REQUIRED TO THE TOP REQUIRED TO THE TOP REQUIRED TO THE TOP REPARED AND THE STATE OF LOCKED AND SHAME TO COUNT (AME TOP) TO AN APPRICAL AT LOSS FOUNDED TO STATE OF STATE OF TOP REPARED AND SHAME TO COUNT (AME TOP) TO AN APPRICAL AT LOSS FOUNDED TO STATE OF STATE OF CONTROL ITS THE CONTROL FOR THE STATE OF LOCKED AND SHAME TO STATE OF THE S
- 67. MOT MUST MEET FOOT 102-600 SERIES STANDARDS AT ALL TIMES. FULL CLOSURES SHALL BE AVOIDED. FULL CLOSURES WITH DETOURS MAY BE CONSIDERED (AND ARE NOT GUARANTEED) WITH THREE-WEEK ADVANCE NOTICE AND MUST HAVE PRIOR COUNTY APPROVAL BEFORE IMPLEMENTATION.
- 68. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE TEMPORARY DRAINAGE, THERE WILL BE NO DIRECT PAY FOR THIS WORK, COSTS SHALL BE INCLUDED IN THE COST OF PIPE.
- 69. MOTORIZED AND MECHANICAL EQUIPMENT SHALL BE EFFECTIVELY SHIELDED, PADDED, OR LOCATED TO MINIMIZE NOISE.

- 72. USE FDOT INDEX NO. 619 FOR TRAFFIC CONTROL MEASURES WHEN CONSTRUCTION EQUIPMENT IS DRIVEN ON OPEN TRAVEL LANES. THE REGULATORY SPEED IN WORK ZONES SHOULD BE AS CLOSE TO NORMAL CONDITIONS AS POSSIBLE, UNLESS NOTED ON THE TRAFFIC CONTROL PLANS.
- 74. CONSTRUCTION SEQUENCES SHALL BE COORDINATED TO PROVIDE POSITIVE DRAINAGE OF THE TRAVELWAYS AT ALL TIMES.
- 75. ANY MOT ITEM NOT SPECIFICALLY LISTED UNDER A PARTICULAR PAY ITEM SHALL BE CONSIDERED SUBSIDIARY TO OTHER BID ITEMS. THERE SHALL BE NO SPRARATE PAYMENT
- 76. THE MAXIMUM SPACING BETWEEN WARNING DEVICES USED FOR DELINEATION BETWEEN THE TRAVELWAY(S) AND CONSTRUCTION AREA SHALL BE AS PER FDOT STANDARD INDEX 600.



### EMERGENCY CONTACTS

MANATEE COUNTY PUBLIC WORKS DEPT. UTILITY ENGINEERING SHEA SHOUN, P.E. 1022 26TH AVENUE EAST BRADENTON, FL. 34208 (941) 708-7450 EXT. 766 FLORIDA POWER & LIGHT TODD BOLKEMA 1253 12TH AVENUE EAST PALMETTO, FL 34221 (941) 927–4262 EMERGENCY: 1-800-4-OUTAGE TODD.BOLKEMA@FPL.COM TECO/PEOPLES GAS CO. ALEX McFARLANE 8261 VICO COURT SARASOTA, FL. 34240

(813) 275-3762 EMERGENCY: 1-877-832-6911 FRONTIER
JOHN PLOTT
1701 RINGLING BLVD.
SARASOTA, FL. 34236
(941) 906-6707
JOHN.PLOTT@FTR.COM

MANATEE COUNTY HEALTH DEPT. HANS ROESE 410 6TH AVENUE EAST BRADENTON, FL. 34208 (941) 748-0747 EXT. 1355 SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT SARASOTA SERVICE OFFICE STEVE LOPES, P.E. 6750 FRUITVILLE ROAD SARASOTA, FL. 34240 (941) 377–3722

PEACE RIVER ELECTRIC COOPERATIVE, INC. P.O. BOX 1310 WACHULA, FL 33873 KENDELL COKER (863) 767-4660 KENDELLCOKER®PRECO.COOP FLORIDA GAS TRANSMISSION JOHN LUDLOW 7804 ANDERSON RD. TAMPA FL 33634 FDEP, SOUTHWEST DISTRICT ED WATSON 13051 N. TELECOM PKWY TEMPLE TERRACE, FL 33637 MANATEE COUNTY PUBLIC WORKS (813) 470-5875

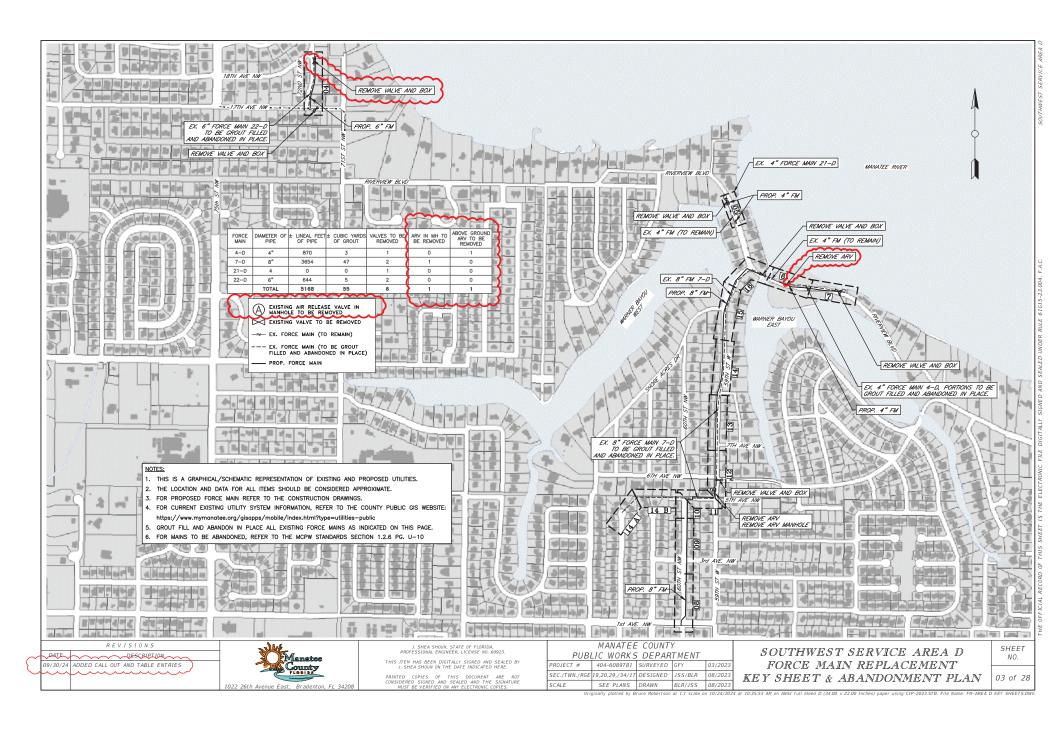
CHARTER COMMUNICATIONS TOM WRIGHT 5413 E. STATE ROAD 64 BRADENTON, FL. 34208-5535 (341) 748-3816 EXT. 21348 TOM.WRIGHT@CHARTER.COM SUNSHINE STATE ONE CALL OF FLORIDA 1-(800) 432-4770

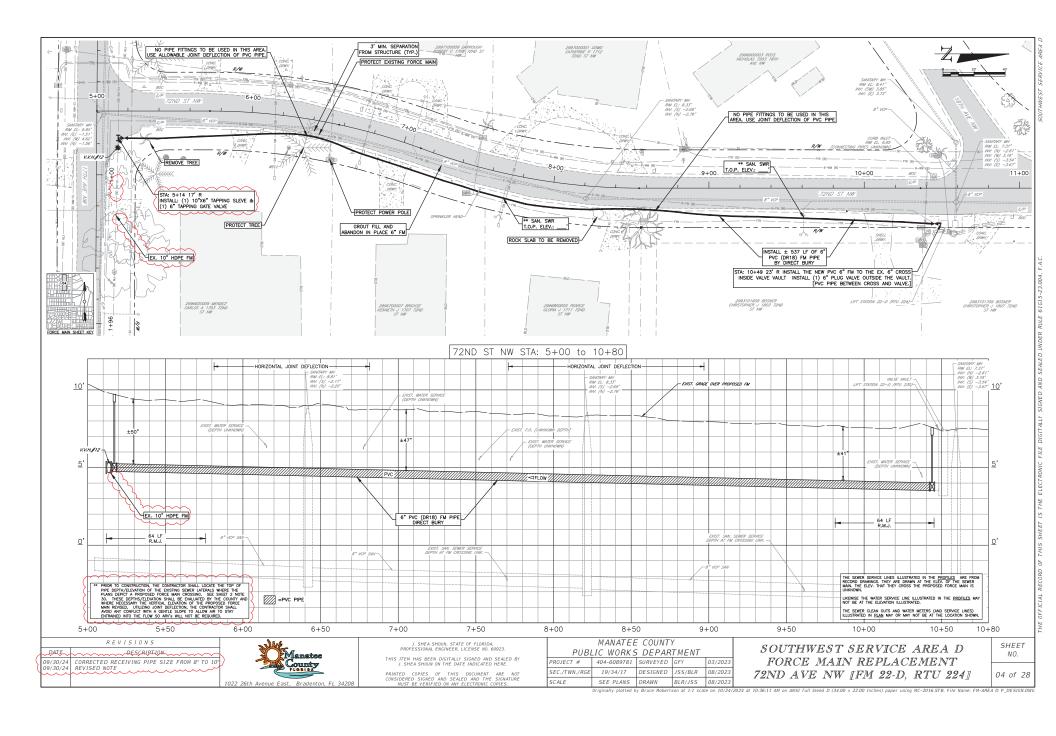
CITY OF BRADENTON
PUBLIC WORKS
1411 9TH ST. W.
BRADENTON, FL 34205
JIM MCLELLAN
JIM.MCLELLANBCITYOFBRADEN
PHONE: (941) 708-6300

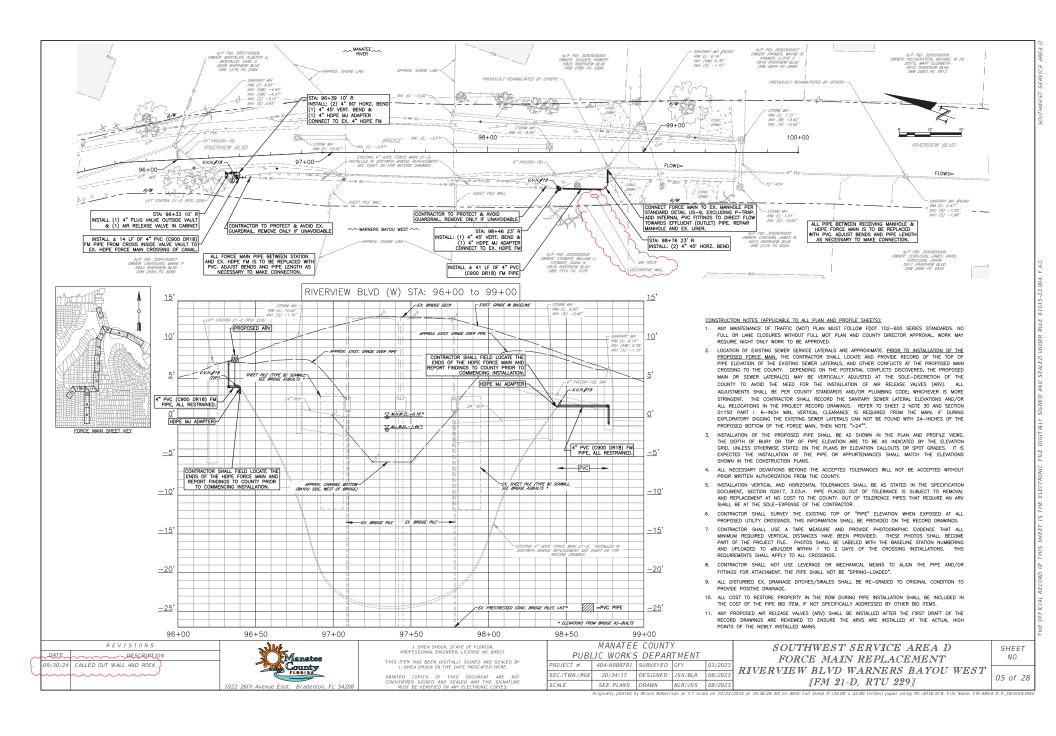
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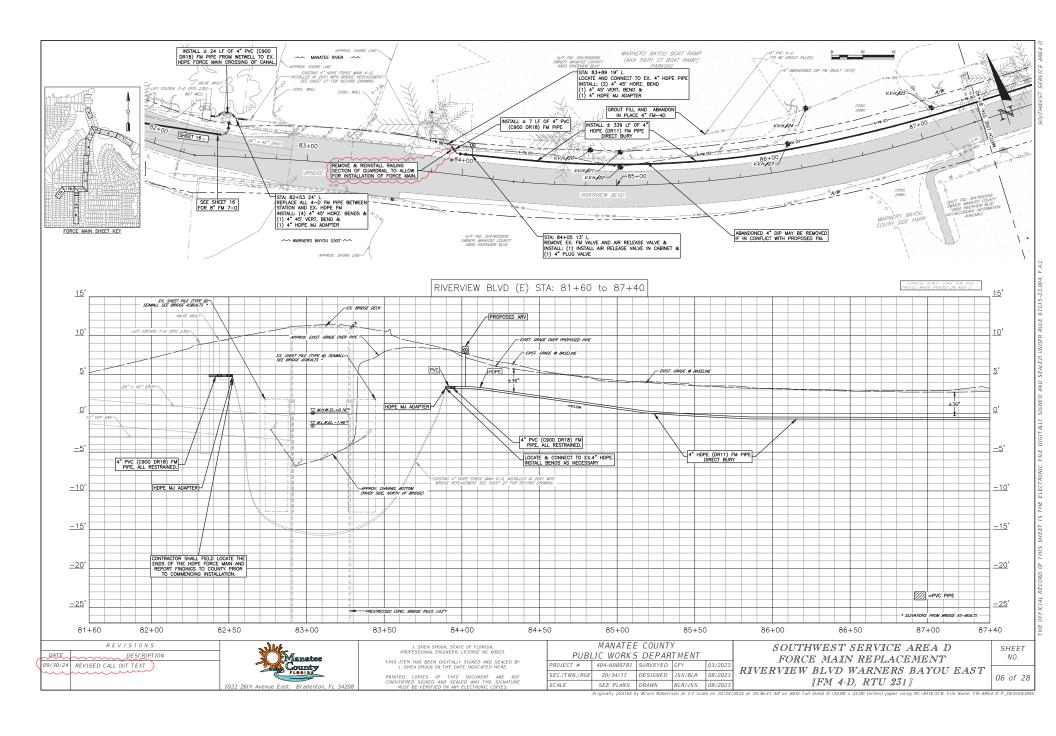
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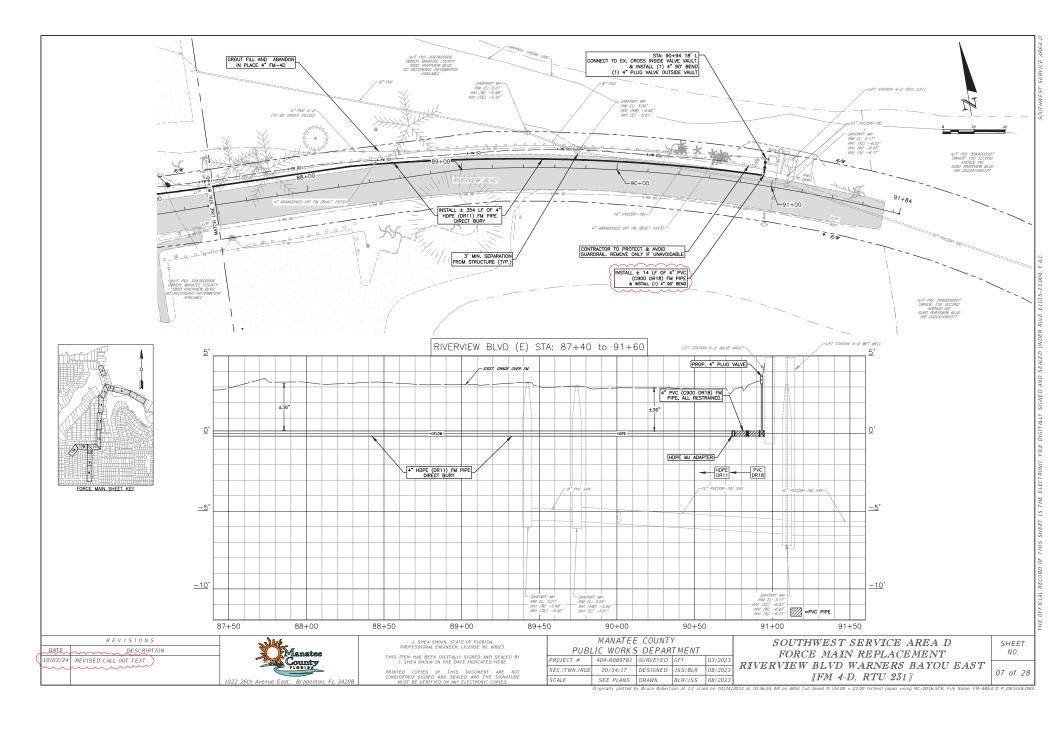
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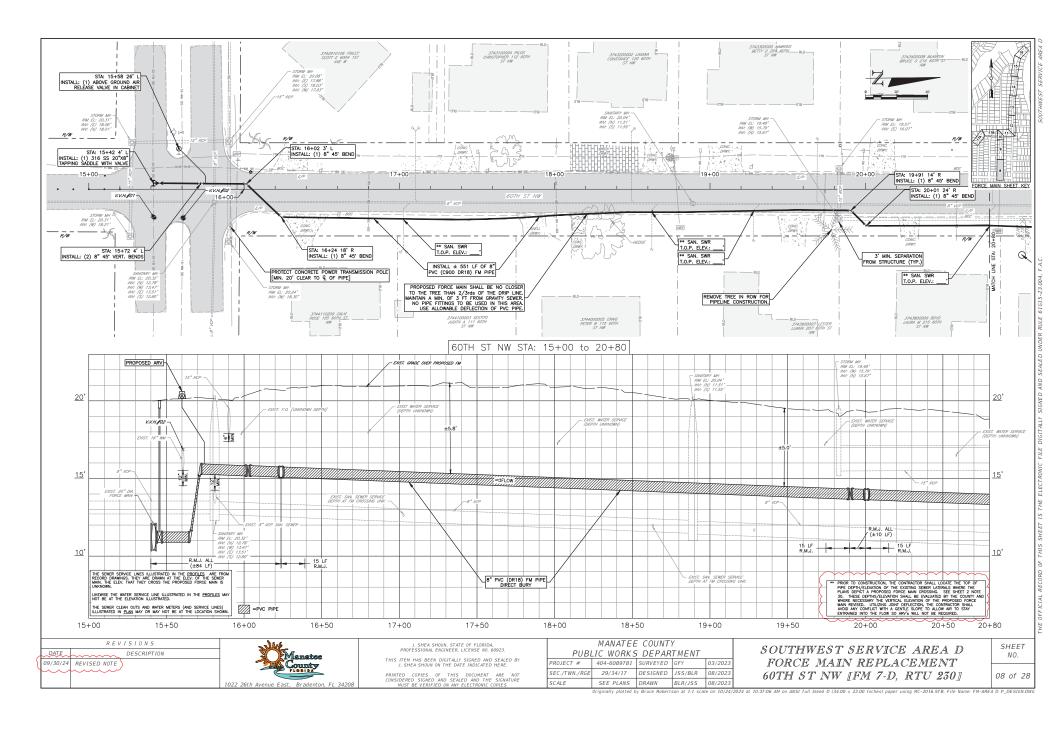


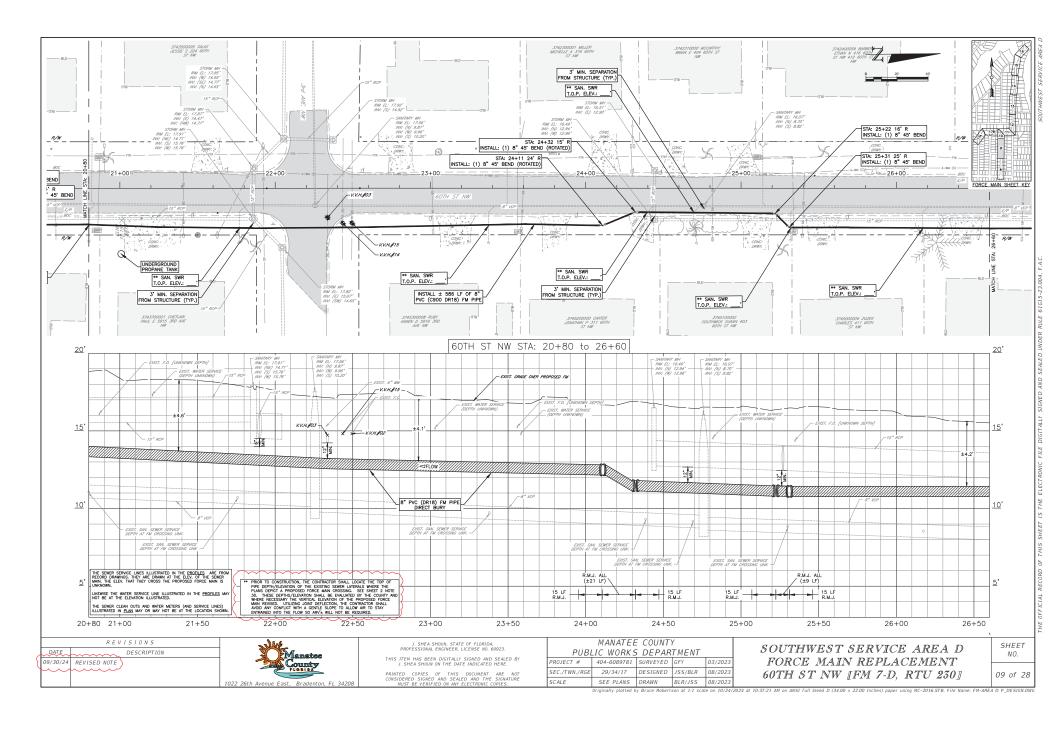


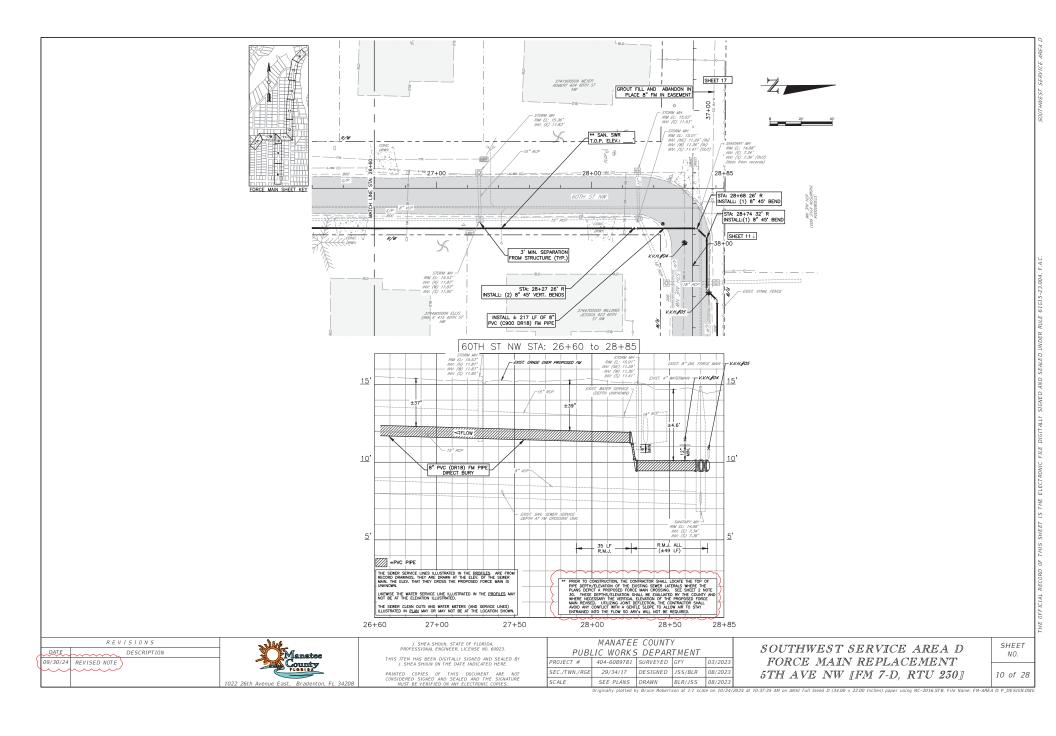


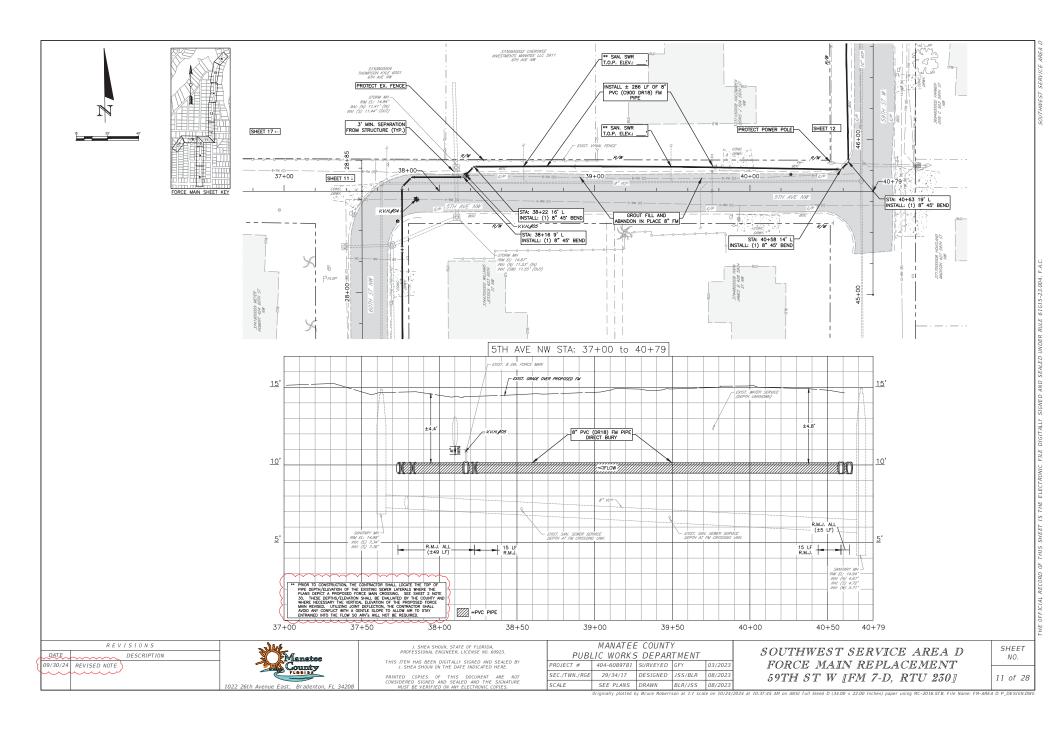


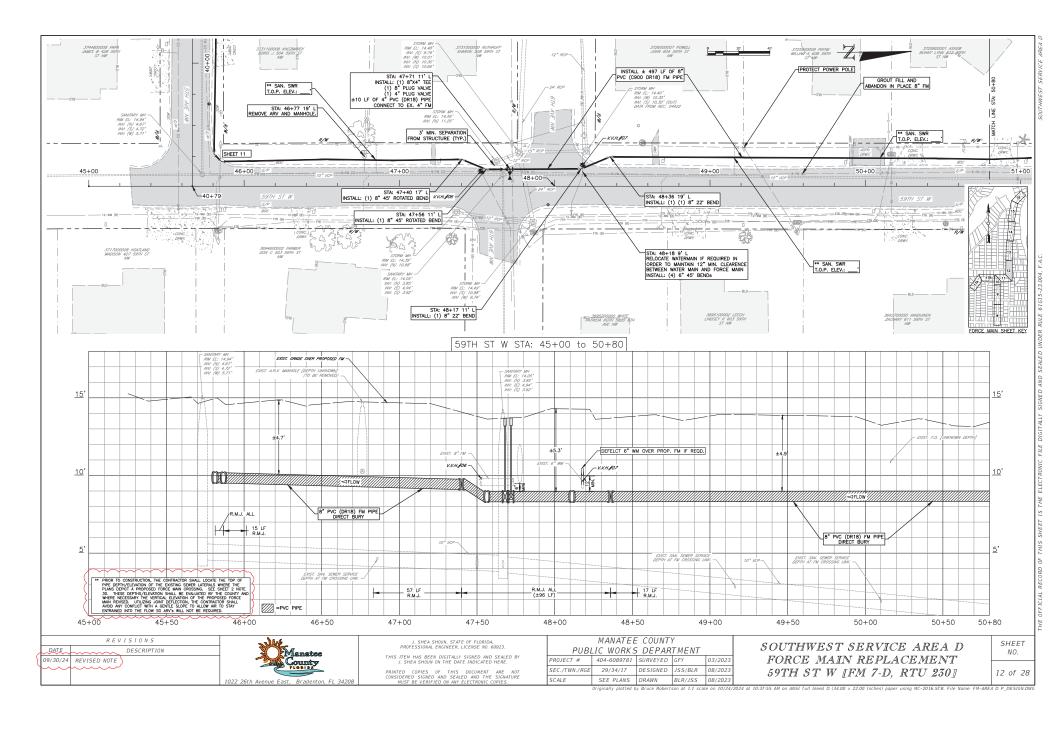


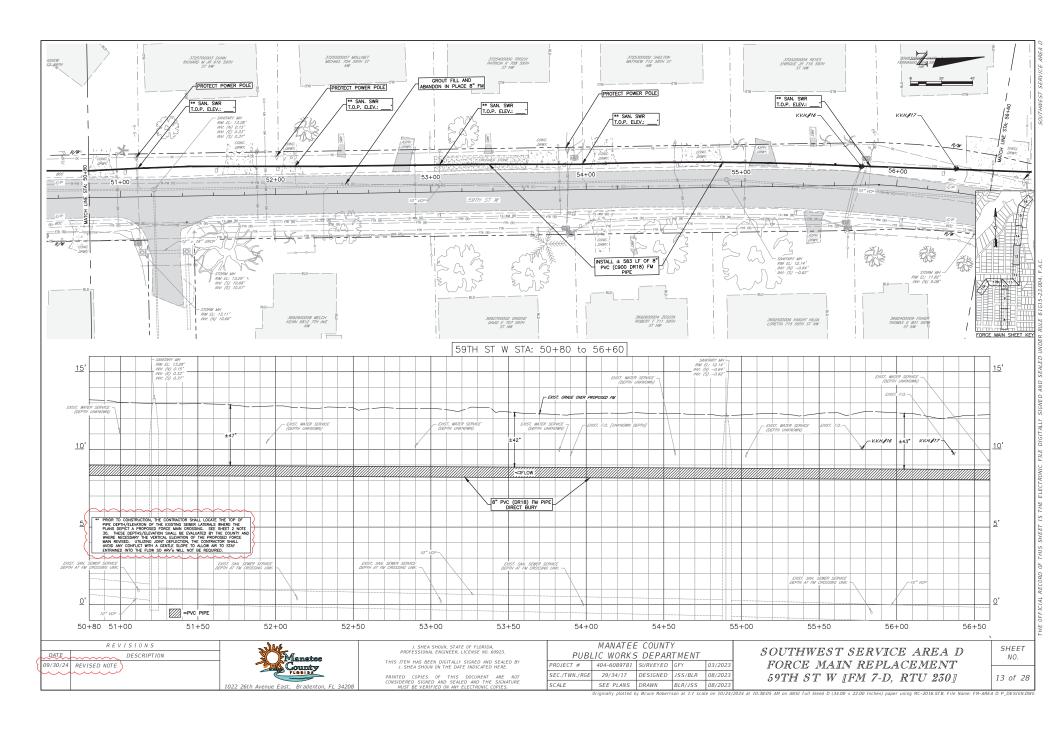


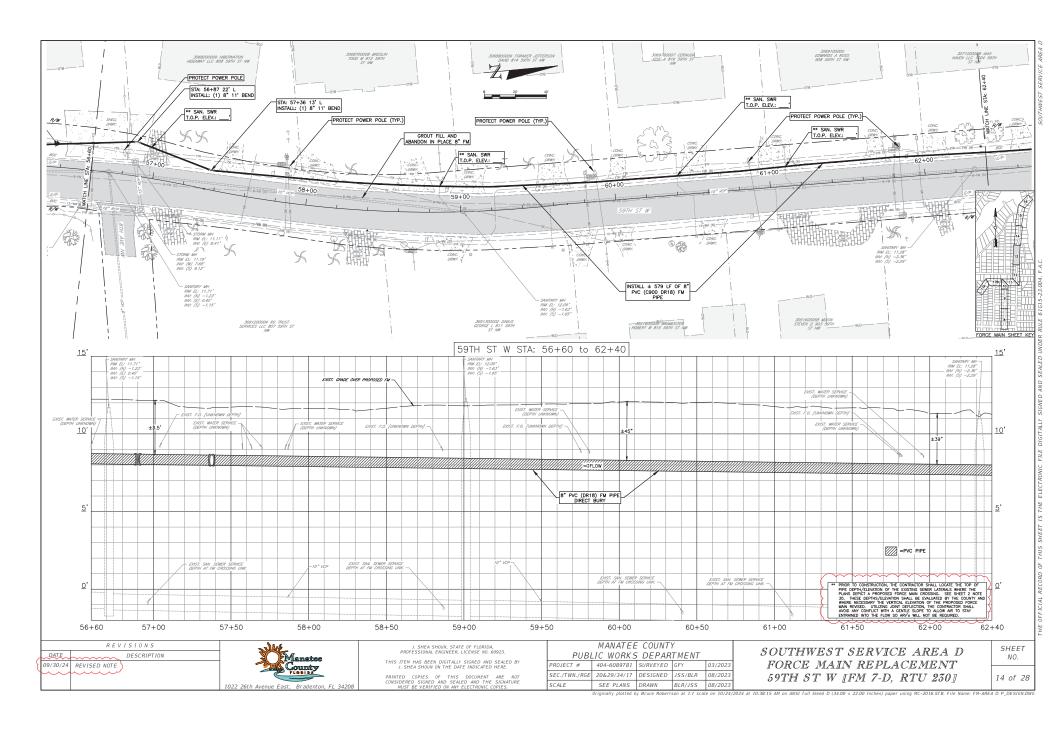


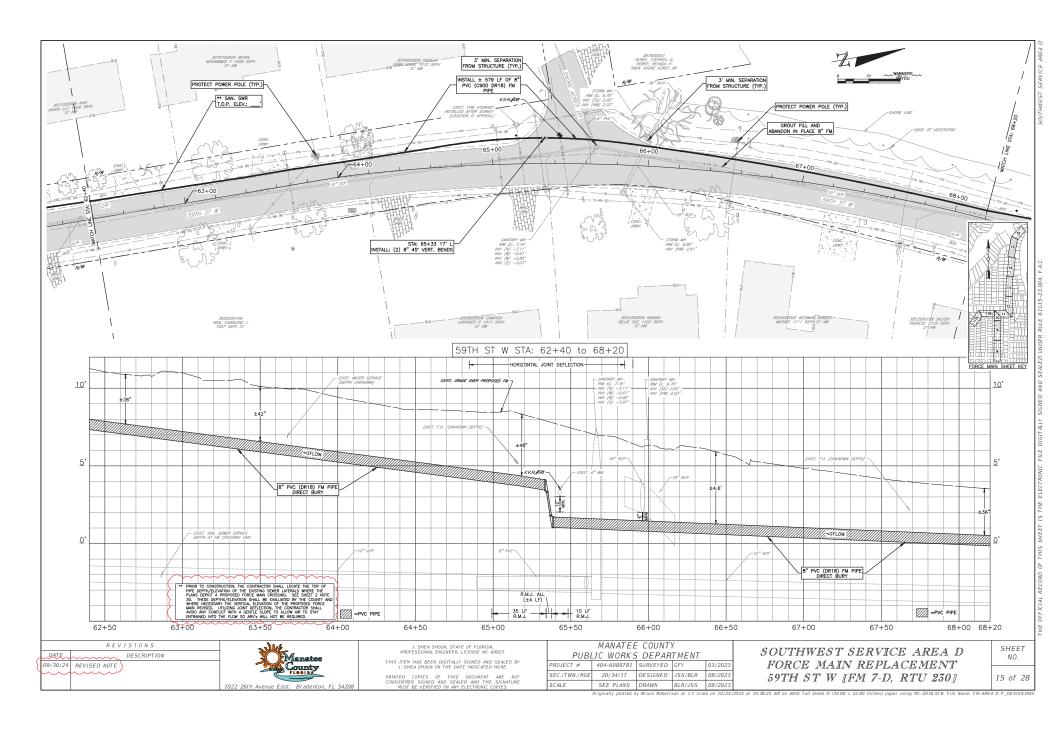


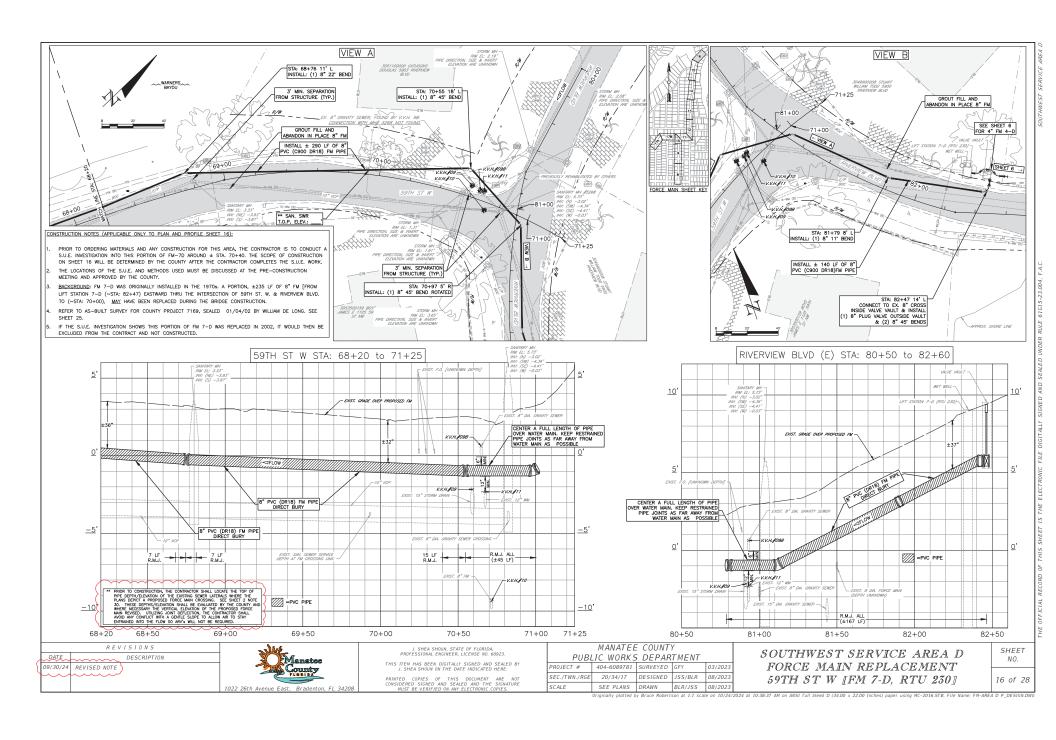


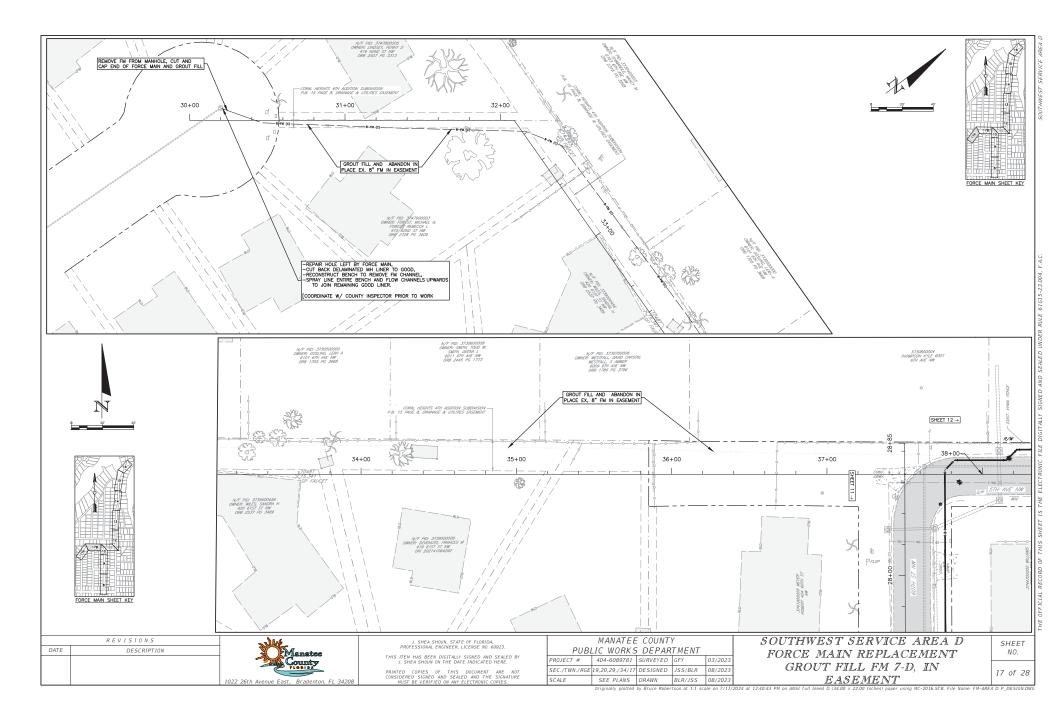


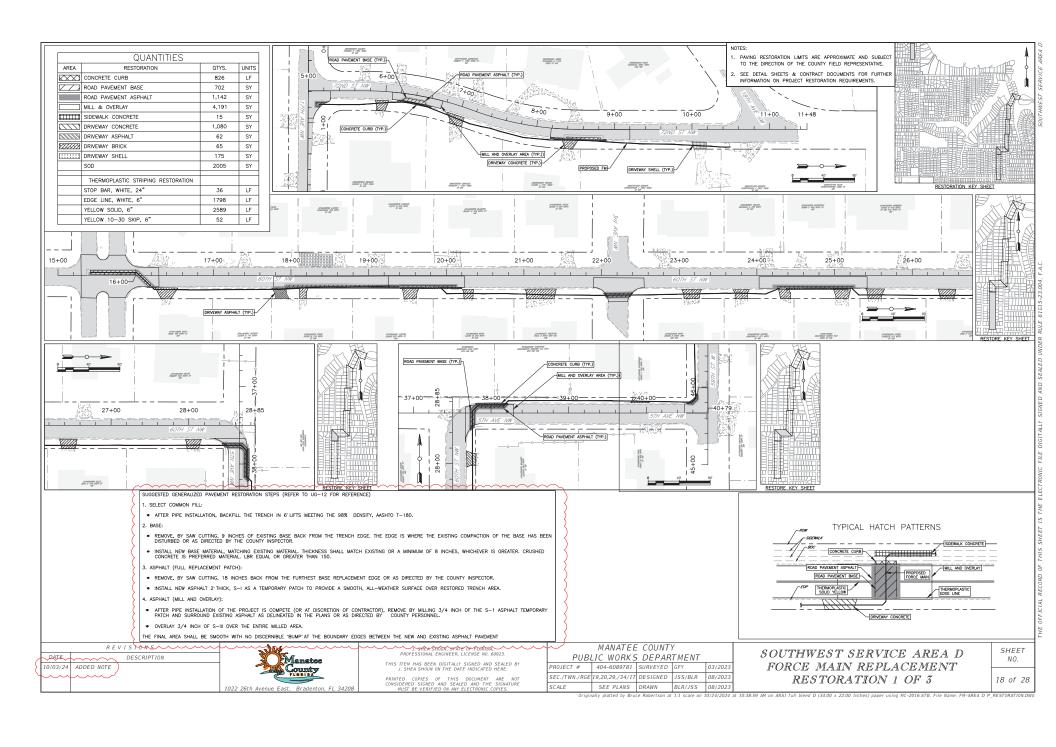


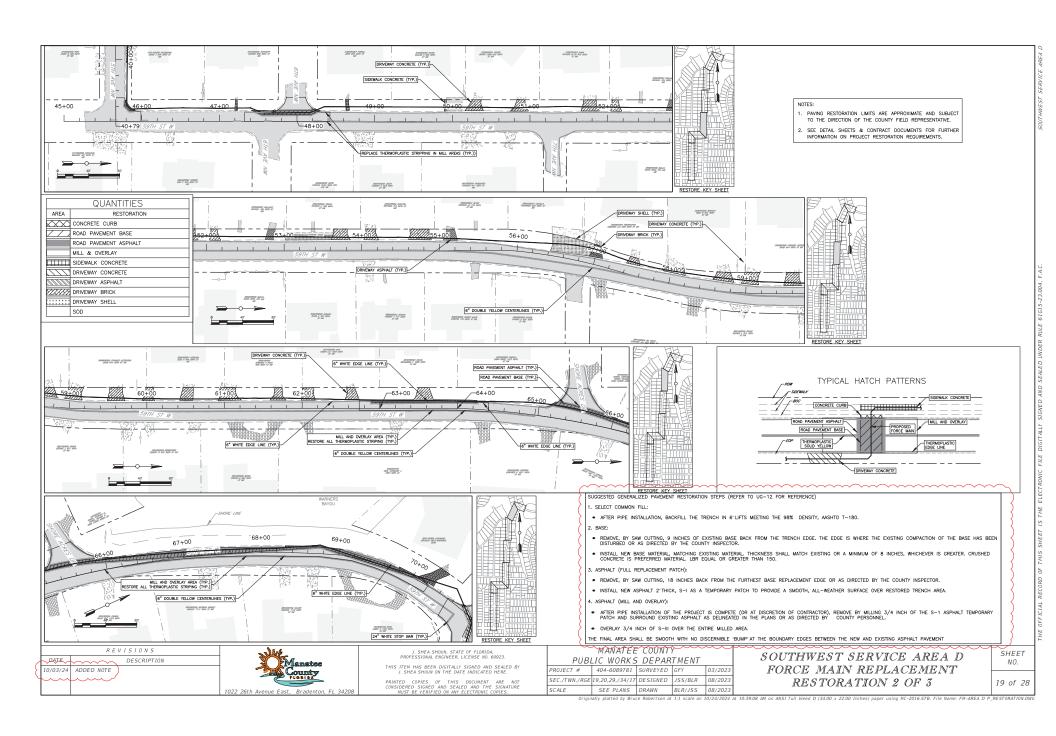


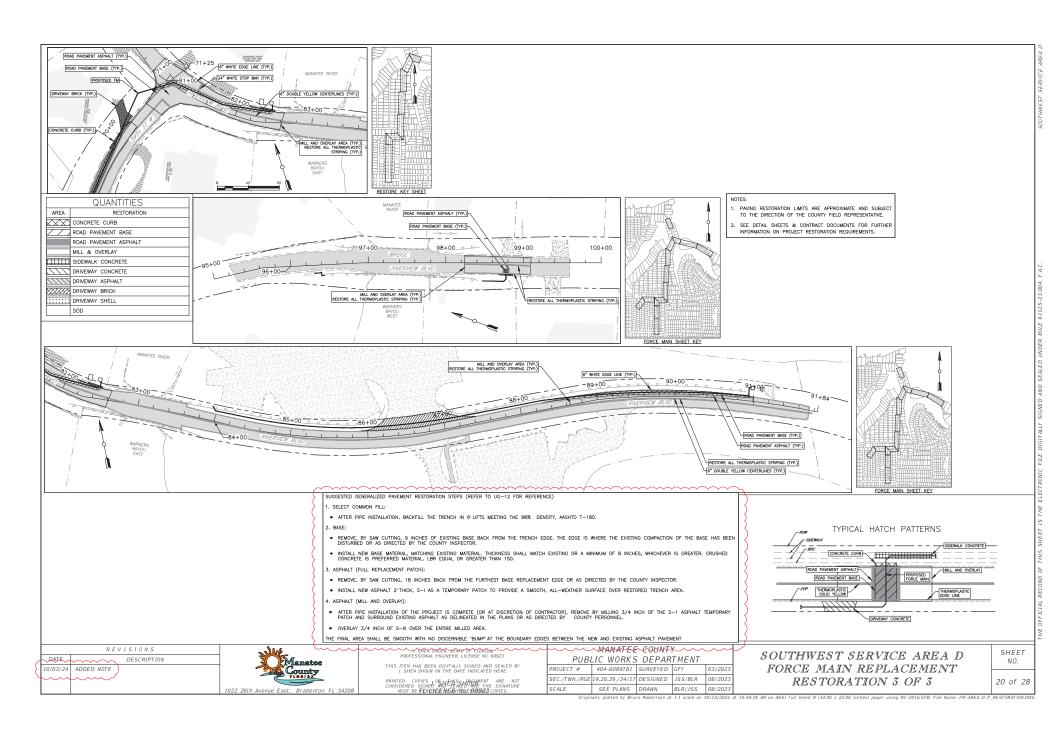












Γ	17th Ave NW											
s	EGMENT	LENGTH	RADIUS	DELTA ANGLE	LINE/CHORD	CHORD LENGTH	START STATION	START NORTHING	START EASTING	END STATION	END NORTHING	END EASTING
	L4	195.71			S89" 37" 00.00"E		0+00.00	1156668.62	450752.54	1+95.71	1156667.32	450948.25

	Riverview Blvd (W)												
SEGMENT	LENGTH	RADIUS	DELTA ANGLE	LINE/CHORD	CHORD LENGTH	START STATION	START NORTHING	START EASTING	END STATION	END NORTHING	END EASTING		
L7	63.86			S32 47 33.18 E		95+00.00	1155841.80	455143.35	95+63.86	1155788.11	455177.94		
L6	129.82			S22" 37" 45.62"E		95+63.86	1155788.11	455177.94	96+93.68	1155668.29	455227.89		
L5	306.20			S19" 46" 31.80"E		96+93.68	1155668.29	455227.89	99+99.88	1155380.14	455331.49		

	Riverview Blvd (E)											
SEGMENT	LENGTH	RADIUS	DELTA ANGLE	LINE/CHORD	CHORD LENGTH	START STATION	START NORTHING	START EASTING	END STATION	END NORTHING	END EASTING	
L8	75.73			S17" 54" 48.62"E		80+00.00	1155104.79	455407.18	80+75.73	1155032.74	455430.47	
C5	151.58	339.81	025.56	S44° 40' 50.35"E	150.32	80+75.73	1155032.74	455430.47	82+27.30	1154925.85	455536.17	
C6	206.18	2086.66	005.66	S66" 46" 47.00"E	206.09	82+27.30	1154925.85	455536.17	84+33.48	1154844.60	455725.57	
C7	301.65	708.26	024.40	S78° 52° 15.12°E	299.38	84+33.48	1154844.60	455725.57	87+35.13	1154786.81	456019.32	
L9	164.54			S88 43 23.97 E		87+35.13	1154786.81	456019.32	88+99.67	1154783.14	456183.82	
C8	284.59	934.20	017.45	S74° 43° 50.83°E	283.49	88+99.67	1154783.14	456183.82	91+84.26	1154708.49	456457.30	

	59th St WEST												
SEGMENT	LENGTH	RADIUS	DELTA ANGLE	LINE/CHORD	CHORD LENGTH	START STATION	START NORTHING	START EASTING	END STATION	END NORTHING	END EASTING		
L10	1088.61			N00" 51" 02.51"E		45+00.00	1152520.03	455077.98	55+88.61	1153608.52	455094.14		
C9	145.00	663.09	012.53	N11" 38" 00.98"E	144.71	55+88.61	1153608.52	455094.14	57+33.61	1153750.26	455123.32		
C10	235.28	715.37	018.84	NO7" 46" 30.48"E	234.22	57+33.61	1153750.26	455123.32	59+68.89	1153982.33	455155.01		
L11	431.52			N00" 49" 18.23"E		59+68.89	1153982.33	455155.01	64+00.41	1154413.80	455161.20		
C11	499.06	1101.63	025.96	N16" 16" 42.80"E	494.80	64+00.41	1154413.80	455161.20	68+99.47	1154888.77	455299.89		
C12	225.57	314.00	041.16	N53" 31" 18.66"E	220.75	68+99.47	1154888.77	455299.89	71+25.03	1155020.00	455477.39		

1	5th Ave NW											
SEGMENT	LENGTH	RADIUS	DELTA ANGLE	LINE/CHORD	CHORD LENGTH	START STATION	START NORTHING	START EASTING	END STATION	END NORTHING	END EASTING	
L12	208.96			N35' 58' 03.34"E		30+00.00	1152429.91	454086.01	32+08.96	1152599.03	454208.74	
L13	870.31			S89" 11" 12.80"E		32+08.96	1152599.03	454208.74	40+79.28	1152586.68	455078.97	

	1												
	60th St NW												
SEGMENT	LENGTH	RADIUS	DELTA ANGLE	LINE/CHORD	CHORD LENGTH	START STATION	START NORTHING	START EASTING	END STATION	END NORTHING	END EASTING		
L14	694.55			N00" 38" 58.32"E		15+00.00	1151226.31	454734.48	21+94.55	1151920.82	454742.35		
L15	60.00			N00" 33" 14.09"E		21+94.55	1151920.82	454742.35	22+54.55	1151980.81	454742.93		
L16	630.58			N00" 38" 58.55"E		22+54.55	1151980.81	454742.93	28+85.13	1152611.35	454750.08		

THE INFORMATION BELOW IS EXTRACTED FROM GEORGE F YOUNG SURVEYORS REPORT FOR THE PURPOSE OF CONTRUCTION. THE FULL SURVEYORS REPORT AND CAD DELIVERABLES AVAILABLE UPON REQUEST, FROM THE MANATEE COUNTY, PUBLIC WORKS DEPARTMENT, CIP DESIGN & REVIEW DIVISION, UTILITY ENGINEERING SECTION.

- 1. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE COMMITMENT. THIS IS NOT A BOUNDARY SURVEY.
- 2. THIS SURVEY WAS PREPARED WITH THE BENEFIT OF THE RECORD DOCUMENTS AS SHOWN AND STATED HEREON, ALL OF THE PUBLIC RECORDS OF MANATEE COUNTY, FLORIDA.
- 3. THE OWNERS AND RECORDING INFORMATION FOR ADJACENT PROPERTIES ARE PER THE MANATEE COUNTY PROPERTY APPRAISER'S WEBSITE ON 8/16/2021. PROPERTY LINES, RIGHT OF WAY LINES AND EASEMENTS SHOWN HEREIN SHOULD BE CONSIDERED APPROXIMATE.
- 4. THIS MAP IS INTENDED TO BE DISPLAYED AT A SCALE OF 1' = 40' OR SMALLER.
- 5. RIGHT-OF-WAY LINES SHOWN ARE TO BE CONSIDERED APPROXIMATE BASED ON LAST DEED OF RECORD OR PLAT RECORD(S) OF ADJOINING PROPERTIES. THE PURPOSE OF THIS SURVEY WAS NOT INTENDED TO BE CONSTRUED AS DETERMINATION OF THE RIGHT-OF-WAY.
- BEARINGS AND COORDINATES (IN U.S. SURVEY FEET) ARE BASED ON NATIONAL GEODETIC SURVEY (NGS), FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD83) 2011 ADJUSTMENT.
- ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988. ELEVATIONS ARE RELATIVE TO MANATEE COUNTY SURVEY DEPARTMENT BENCHMARK "DESOTO" HAVING AN ELEVATION OF 18.77 FEET.
- 8. GEORGE F, YOUNG, INC. AND THE UNDERSIONED MAKE NO REPRESENTATIONS OR GUARANTEES PERTAINING TO EASEMENTS, RIGHTS-OF-WAY, SET BACK LINES, RESERVATIONS AND/OR
- AGREEMENTS.

  9. THE SURVEY BASCLINES SHOWN HEREIN ARE MONUMENTED EVERY 100 FOOT STATION WITH A INAL AND DISK LUBBLED "GRY BASCLINE". THE BEGINNING, END AND CHANGE IN DIRECTIONS OF THE BASCLINE ARE MONUMENT WITH REFERENCES. THESE REFERENCES CAN BE FOUND ON SHEET 6.
- 10. THE PRINTED DIMENSIONS SHOWN ON THIS SURVEY SUPERSEDE ANY SCALED DIMENSIONS; THERE MAY BE ITEMS DRAWN OUT OF SCALE TO GRAPHICALLY SHOW THEIR LOCATION.
- 11. THIS SURVEY HAS BEEN EXCLUSIVELY PREPARED FOR THE NAMED ENTITIES SHOWN HEREON AND IS NOT TRANSFERABLE. NO OTHER PERSON OR ENTITY IS ENTITLED TO RELY UPON AND/OR RE-USE THIS SURVEY FOR ANY PURPOSE WITHOUT THE EMPRESSED, WRITTEN CONSENT OF GEORGE F. YOUNG, INC. AND THE UNDERSIGNED PROFESSIONAL SURVEYOR AND MAPPER.
- 12. UNAUTHORIZED COPIES AND/OR REPRODUCTIONS VIA ANY MEDIUM OF THIS SURVEY OR ANY PORTIONS THEREOF ARE EXPRESSLY PROHIBITED WITHOUT THE WRITTEN CONSENT OF GEORGE F. YOUNG, INC. AND THE UNDERSIGNED PROFESSIONAL SURVEYOR AND MAPPER.
- 3. ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES ARE PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
- 14. THIS SURVEY IS VALID AS TO THE LAST DATE OF FIELD SURVEY AND NOT THE SIGNATURE DATE (IF ANY).
- 15. THERE MAY BE ADDITIONAL EASEMENTS, RESERVATIONS, RESTRICTIONS AND/OR OTHER MATTERS OF RECORD AFFECTING THIS PROPERTY THAT ARE NOT SHOWN HEREON THAT MAY (OR MAY NOT) BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. THE UNDERSIGNED HAS NOT PERFORMED AN INDEPENDENT SEARCH FOR ADDITIONAL RECORDS.
- 16. THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL SEAL OF A FLORIDA PROFESSIONAL SURVEYOR AND MAPPER.

SUE / WH TABLE

Organization: GFY
Project Name: 22YO4102LS
Project Date: 12/12/2023

				Utililty				Ex. Ground	T.O.P.	Measure			
V.V.H	Description	Diameter	Material	Type	XY Source	Easting	Northing	Elevation	Elevation	Down (ft)	Utility Owner	SHEET	GFY's#
#		(in)				(ft)	(ft)	(ft)	(ft)	(ft)			
#01	Force Main	20	unk	FM	RTK/GPS	452349.5	1132445.9	20.1	12.1	8.0	Manatee Co	8	201
#02	Water Main	16"	CIP	WM	RTK/GPS	454753.7	1151286.8	20.1	16.9	3.2	Manatee Co	8	202
#03	Water Main	6"	AC	WM	RTK/GPS	454761.7	1151959.8	17.2	14.7	2.4	Manatee Co	9	203
#04	Water Main	4"	AC	WM	RTK/GPS	454784.9	1152585.8	14.6	11.4	3.2	Manatee Co	10	206
#05	Force Main	8"	DIP	FM	RTK/GPS	454817.1	1152600.7	14.2	10.9	3.3	Manatee Co	10	207
#06	Force Main	unk	unk	FM	RTK/GPS	455072.0	1152772.6	13.8	9.8	4.0	Manatee Co	12	208
#07	Water Main	6"	CIP	WM	RTK/GPS	455069.2	1152838.2	13.6	9.7	4.0	Manatee Co	12	209
#08	Water Main	6"	AC	WM	RTK/GPS	455160.8	1154558.6	7.5	3.5	4.0	Manatee Co	12	212
#09	Storm Water	unk	unk	STORM	RTK/GPS	455413.0	1155001.9	2.6	-2.2	4.8	Manatee Co	16A	213
#9B	Sanitary Sewer	8"	PVC	SS	RTK/GPS	455418.8	1155003.4	2.5	0.6	1.9	Manatee Co	16A	214
#10	Force Main	unk	unk	FM	RTK/GPS	455429.7	1154996.3	2.1	-9.4	11.5	Manatee Co	16A	216
#11	Water Main	unk	unk	WM	RTK/GPS	455421.0	1155004.9	2.5	-2.3	4.8	Manatee Co	16A	215
#12	Force Main	8"	POLY	FM	RTK/GPS	450835.0	1156681.9	10.0	5.3	4.6	Manatee Co	4	217
#14	Cable	1"	LEAD	BT	RTK/GPS	454765.4	1151969.6	17.5	14.8	2.7	Verizon	9	204
#15	Cable	1"	DIR BUR	BT	RTK/GPS	454765.4	1151975.6	17.5	14.8	2.7	Verizon	9	205
#16	Cable	1 1/4"	SUB DUCT (X2)	FOC	RTK/GPS	455082.1	1153597.7	12.3	10.1	2.2	Verizon	13	210
#17	Cable	1 1/4"	SUB DUCT	FOC	RTK/GPS	455085.4	1153658.7	12.4	9.7	2.6	Verizon	13	211
#18	Force Main	4"	DIP	FM	RTK/GPS	455194.3	1155715.0	7.4	4.1	3.3	Manatee Co	5	105
#19	Force Main	4"	HDPE	FM	RTK/GPS	455257.5	1155517.3	8.1	1.8	6.3	Manatee Co	5	106
#20	Force Main	4"	PVC	FM	RTK/GPS	455779.0	1154848.3	4.8	1.3	3.5	Manatee Co	6	108
#21	Force Main	4"	UNK	FM	RTK/GPS	455796.7	1154840.8	3.9	-6.1	10.0	Manatee Co	6	103
#22	Force Main	4"	UNK	FM	RTK/GPS	455793.8	1154831.6	4.3	-5.7	10.0	Manatee Co	6	104
#23	Force Main	4"	DIP	FM	RTK/GPS	455900.8	1154811.8	3.1	-0.6	3.7	Manatee Co	7	102
#24	Force Main	4"	PVC	FM	RTK/GPS	455919.0	1154829.8	3.1	0.1	3.1	Manatee Co	7	107
#25	Force Main	4"	DIP	FM	RTK/GPS	455995.8	1154804.4	2.7	-0.8	3.6	Manatee Co	7	101

-alle	REVISIONS	
FManatee	DESCRIPTION	DATE
County		
Figure		
122 26th Avenue East Bradenton E		

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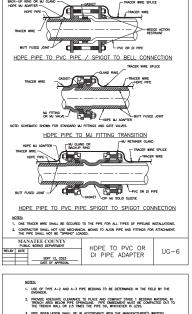
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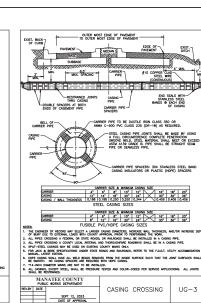
MANATEE COUNTY PUBLIC WORKS DEPARTMENT											
PROJECT #	404-6089781	SURVEYED	GFY	03/2023							
SEC./TWN./RGE	19,20,29,/34/17	DESIGNED	JSS/BLR	08/2023							
SCALE	SEE PLANS	DRAWN	BLR/JSS	08/2023							

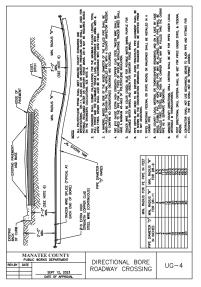
SOUTHWEST SERVICE AREA D FORCE MAIN REPLACEMENT SURVEY CONTROL, SUE & VVH TABLES

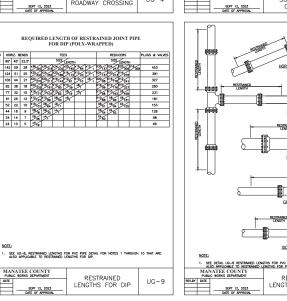
21 of 28

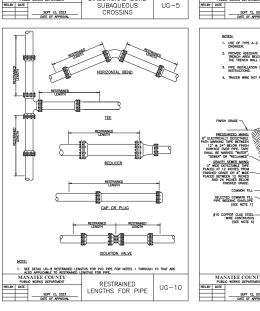
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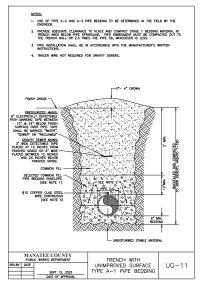
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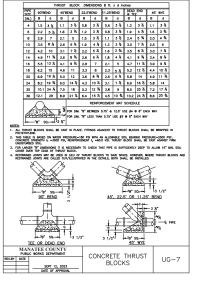
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DIRECTIONAL BORE

EACH SIDE





PIPE SECTIONS SHALL BE FULL—LENGTH AND SHALL BE ADJUSTED HORIZONTALLY, SO THAT THE CROS IS AT EACH PIPE SECTION'S MOPOINT REGARDLESS OF THE VERTICAL CLEARANCE.

TYPICAL NEW WATER & SEWER LINE CROSSING

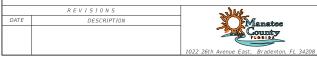
MANATEE COUNTY PUBLIC WORKS DEPARTMENT



REQUIRED LENGTH OF RESTRAINED JOINT PIPE

FOR C900-16 PVC PIPE (DR-18)





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REV.BY DATE

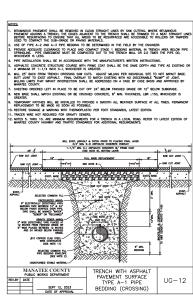
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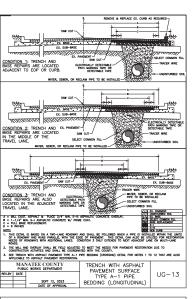
MANATEE COUNTY PUBLIC WORKS DEPARTMENT					
	PROJECT #	404-6089781	SURVEYED	GFY	03/2023
	SEC./TWN./RGE	19,20,29,/34/17	DESIGNED	JSS/BLR	08/2023
	SCALE	SEE PLANS	DRAWN	BLR/JSS	08/2023

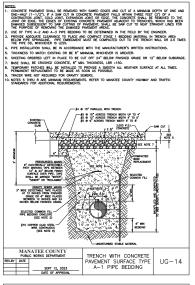
SOUTHWEST SERVICE AREA D FORCE MAIN REPLACEMENT DETAILS

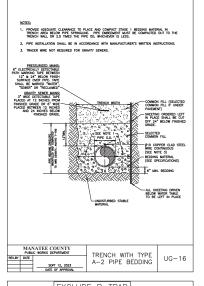
SHEET NO. 22 of 28

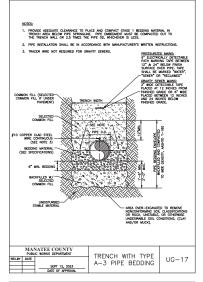
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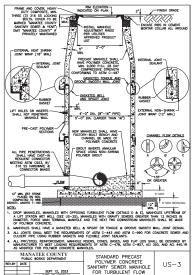


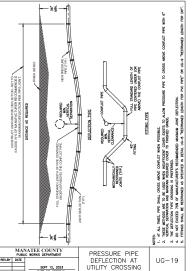


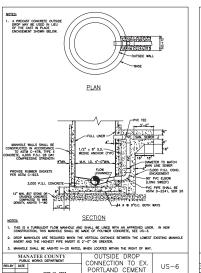




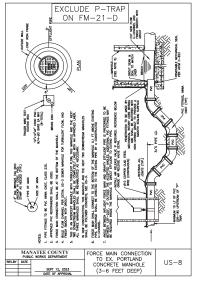


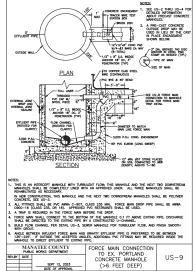






MANHOLE





REVISIONS	
DATE	DESCRIPTION



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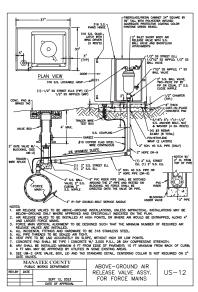
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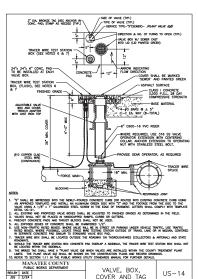
MANATEE COUNTY PUBLIC WORKS DEPARTMENT				
PROJECT #	404-6089781	SURVEYED	GFY	03/2023
SEC./TWN./RGE	19,20,29,/34/17	DESIGNED	JSS/BLR	08/2023
SCALE	SEE PLANS	DRAWN	BLR/JSS	08/2023

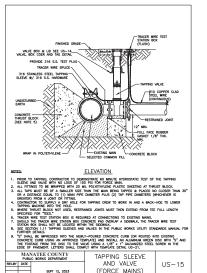
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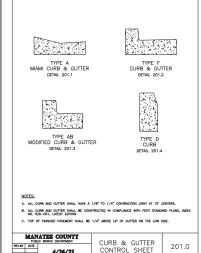
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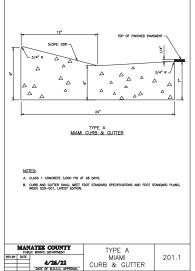
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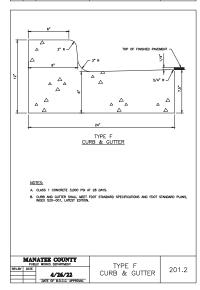


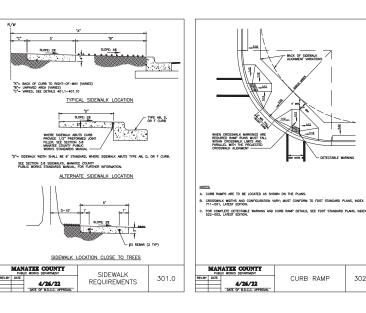












	REVISIONS
DATE	DESCRIPTION



JSS 2/24

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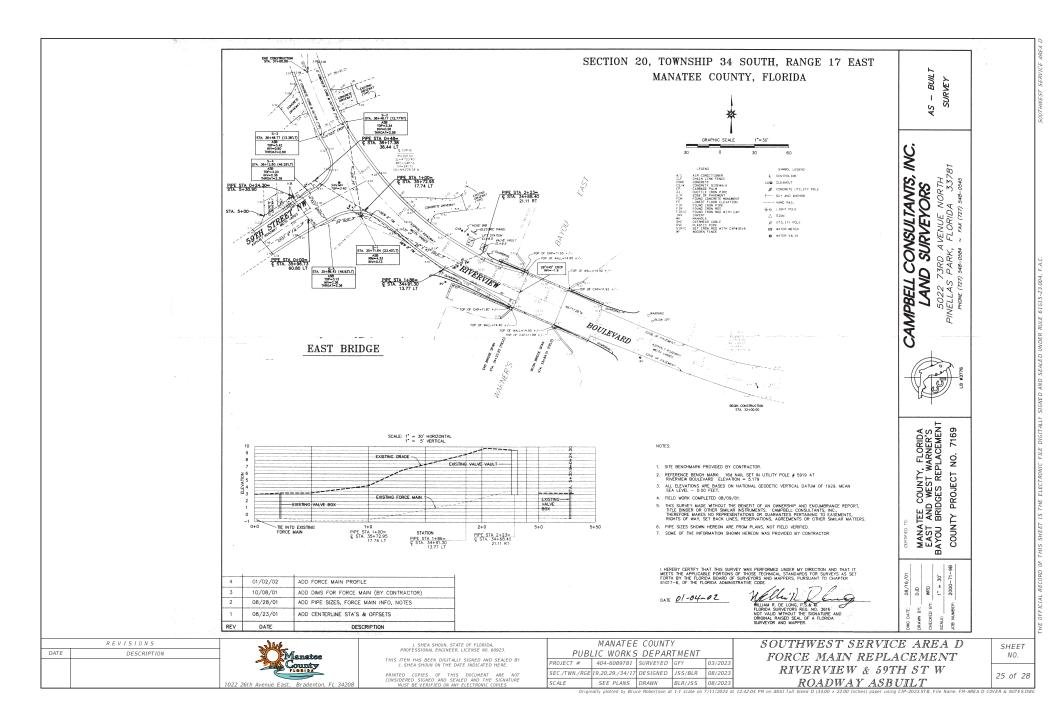
I	MANATEE COUNTY PUBLIC WORKS DEPARTMENT				
Ì	PROJECT #	404-6089781	SURVEYED	GFY	03/2023
	SEC./TWN./RGE	19,20,29,/34/17	DESIGNED	JSS/BLR	08/2023
Ī	SCALE	SEE PLANS	DRAWN	BLR/JSS	08/2023

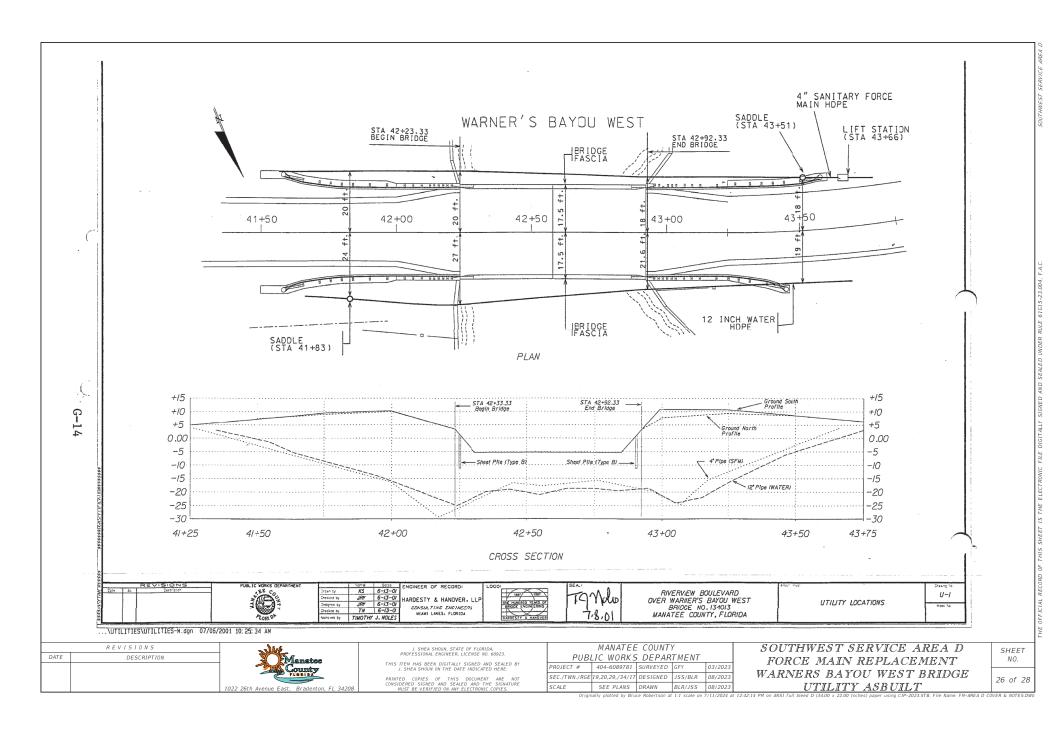
SOUTHWEST SERVICE AREA D FORCE MAIN REPLACEMENT DETAILS

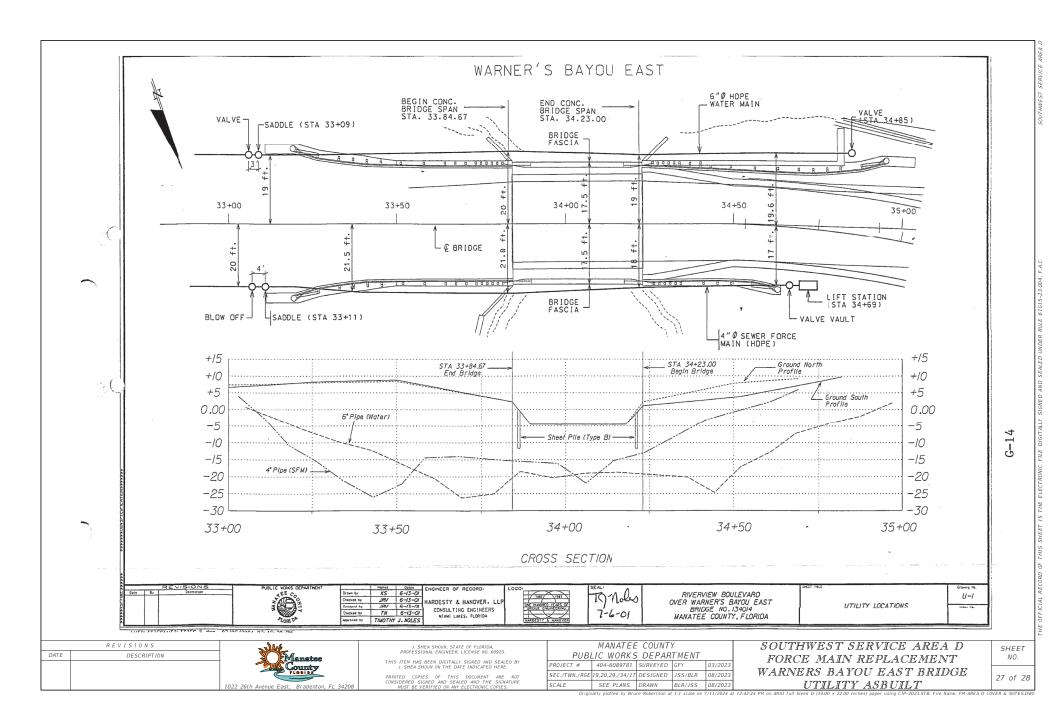
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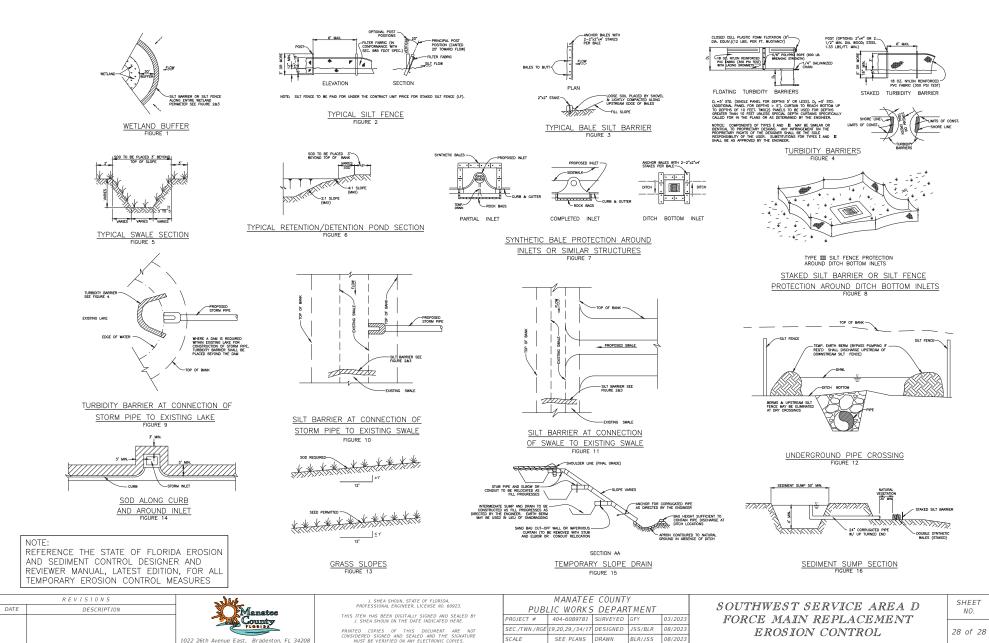
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SEE PLANS DRAWN BLR/JSS 08/2023

at 1:1 scale on 7/11/2024 at 12:42:34 PM on ANSI full bleed D (34:00 x 22:00 Inches) paper using CIP-2023.STB. File Name: FM-AREA D COVER & NOTES.DW