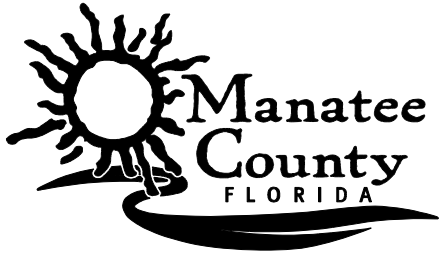


CONSTRUCTION PLANS
FOR
9TH AVENUE NW

MANATEE COUNTY, FLORIDA

OCTOBER 2025

MANATEE COUNTY PROJECT # 20-TA003483CD



PROJECT TEAM:

OWNER:
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ENGINEER:
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CONTACT: JORDAN LEEP, P.E.
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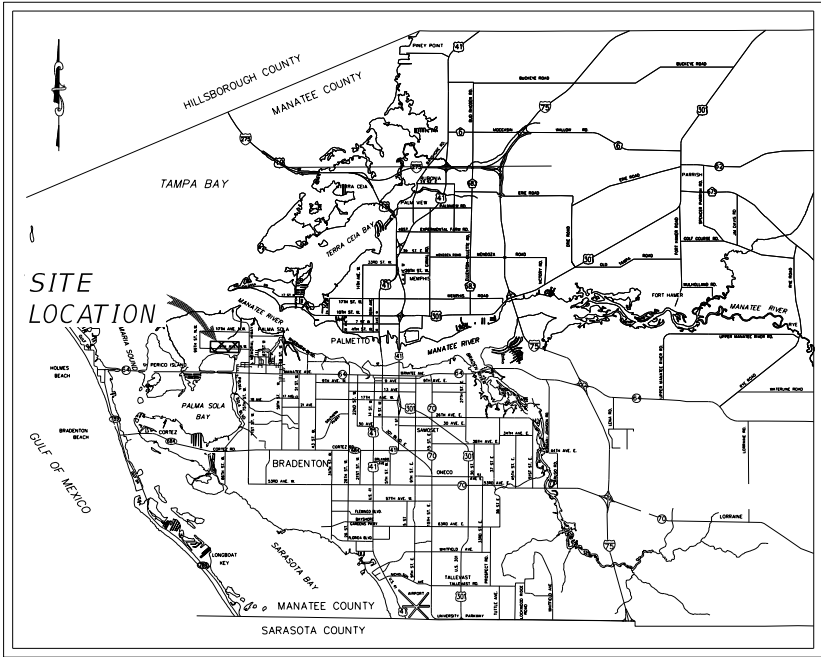
SUNSHINE STATE ONE CALL OF
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MANATEE COUNTY
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MUKUNDA GOPALAKRISHNA,
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PROJECT VICINITY MAP

N.T.S.

COUNTY CIP PROJECT
BID PLANS REVISION 1

PREPARED BY

Kimley»Horn

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Δ	UTILITY RELOCATION AND REVISION	10/14/25	SK
No.	REVISIONS	DATE	BY

INDEX OF ROADWAY PLANS

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2	SIGNATURE SHEET
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9 - 15	TYPICAL SECTIONS
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GR-1* BORING LOCATION PLAN
GR-2 - GR-3* REPORT OF CORE BORINGS

* THESE SHEETS ARE INCLUDED IN THE INDEX OF ROADWAY PLANS ONLY TO INDICATE THAT THEY ARE PART OF THE ROADWAY PLANS. THESE PLANS ARE CONTAINED IN A SEPARATE DIGITALLY SIGNED AND SEALED DOCUMENT.

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2025-26 Standard Plans for Road and Bridge Construction and applicable Interim Revions (IRs)

Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

APPLICABLE IRs: NONE

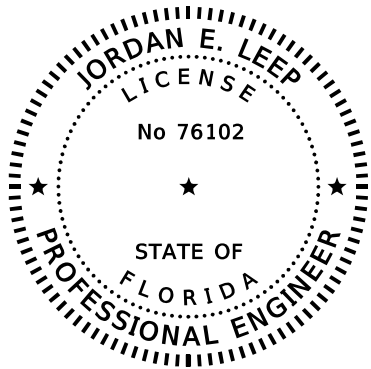
GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, FY2025-26 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

THE SITE CONSTRUCTION STAKEOUT SHALL BE PERFORMED UNDER THE DIRECTION OF A FLORIDA REGISTERED SURVEYOR. AUTOCAD FILES WILL BE FURNISHED TO AID IN THE SITE CONSTRUCTION STAKEOUT. ANY DISCREPANCIES FOUND BETWEEN AUTOCAD FILES AND SITE CONSTRUCTION PLANS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR CLARIFICATION PRIOR TO THAT STAKEOUT.

THIS DOCUMENT IS PROTECTED BY SECTION 106 OF THE "UNITED STATES COPYRIGHT ACT". REPRODUCTION OR ALTERATION OF THIS DOCUMENT OR THE INFORMATION CONTAINED HEREON BY ANY MEANS WHATSOEVER IS STRICTLY PROHIBITED WITHOUT THE PRIOR WRITTEN CONSENT OF KIMLEY-HORN AND ASSOCIATES, INC. CONSENT IS HEREBY GRANTED SPECIFICALLY TO GOVERNMENTAL AGENCIES TO REPRODUCE THIS DOCUMENT IN COMPLIANCE WITH F.S. CHAPTER 119.	JORDAN E. LEEP, P.E. FLORIDA LICENSE NUMBER: 76102 DATE:
--	--

DATE OCTOBER 2025
KHA PROJECT NO. 148400070
SHEET NUMBER 1



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL.

SIGNATURE MUST BE VERIFIED ON ANY
ELECTRONIC COPIES.

KIMLEY-HORN AND ASSOCIATES, INC.
1800 SECOND STREET, SUITE 900
SARASOTA, FLORIDA 34236
JORDAN E. LEEP, P.E. NO. 76102

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

ROADWAY PLANS

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	UTILITY RELOCATION AND REVISION	10/14/25	SK		KHA PROJECT 148400070		LICENSED PROFESSIONAL	<i>SIGNATURE SHEET</i>	SHEET NUMBER 2
					DATE 10/14/2025		JORDAN E. LEEP, P.E.		
					SCALE AS SHOWN		FL LICENSE NUMBER 76102		
					DESIGNED BY				
					DRAWN BY				
No.	REVISIONS	DATE	BY	© 2025 KIMLEY-HORN AND ASSOCIATES, INC. 1800 SECOND STREET, SUITE 900, SARASOTA, FL 34236 PHONE: 941-379-7600 WWW.KIMLEY-HORN.COM	CHECKED BY	MANATEE COUNTY	FL DATE:		

CIP 2: HAWTHORNE PARK SEDIMENT BASIN

ITEM NO.	ITEM DESCRIPTION	UNIT	PROJECT QUANTITY
Roadway			
101 1	MOBILIZATION	LS	1
102 2	MAINTENANCE OF TRAFFIC	LS	1
107 1	LITTER REMOVAL	AC	1.54
107 2	MOWING	AC	1.54
110 1 1	CLEARING & GRUBBING	AC	0.11
120 1	REGULAR EXCAVATION	CY	54.0
524 1 2	CONCRETE DITCH PAVEMENT, NON REINFORCED, 4"	SY	34
570 1 2	PERFORMANCE TURF, SOD	SY	520
Drainage			
430 174 248	PIPE CULVERT,OPTIONAL MATERIAL,OTHER-ELIP/ARCH, 48"SD	LF	84
430 984 641	MITERED END SECT, OPTIONAL/ELLIP/ARCH 48" SD	EA	1

CIP 3: 87TH ST CT NW STORM SEWER REPLACEMENT

ITEM NO.	ITEM DESCRIPTION	UNIT	PROJECT QUANTITY
Roadway			
101 1	MOBILIZATION	LS	1
102 2	MAINTENANCE OF TRAFFIC	LS	1
104 10 3	SEDIMENT BARRIER	LF	1072
104 18	INLET PROTECTION SYSTEM	EA	3
107 1	LITTER REMOVAL	AC	11.48
107 2	MOWING	AC	9.94
110 1 1	CLEARING & GRUBBING	AC	0.32
110 4 10	REMOVAL OF EXISTING CONCRETE	SY	475
110 7 1	MAILBOX, F&I SINGLE	EA	2
120 1	REGULAR EXCAVATION	CY	125.0
120 6	EMBANKMENT	CY	100.0
160 4	TYPE B STABILIZATION	SY	1075
285 706	OPTIONAL BASE, BASE GROUP 06	SY	1075
327 70 6	MILLING EXISTING ASPHALT PAVEMENT, 1 1/2" DEPTH	SY	540
334 1 53	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, PG76-22	TN	88.7
334 7 83	ASPHALT CONCRETE P-111 NON COURSE, TRAFFIC C, PG 125	TN	133.5
520 2 1	CONCRETE CURB, TYPE A	LF	17
522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	475
524 2 1	CONCRETE DRIVEWAY REPLACEMENT	SY	24
570 1 2	PERFORMANCE TURF, SOD	SY	458
Drainage			
425 2 41	MANHOLES, P-7, <10'	EA	7
430 174 224	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE-ELIP/ARCH, 24"SD	LF	269
430 175 124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24" S/CD	LF	698
430 524 112	STRAIGHT CONCRETE ENDWALLS, 24", SINGLE, 15 DEGREES, ELLIPTICAL	EA	1
430 830	PIPE FILLING AND PLUGGING - PLACE OUT OF SERVICE	CY	34.0

PAY ITEM NOTES:

102-2: PAY ITEM INCLUDES THE COST OF ALL TEMPORARY STRIPING, SIGNAGE, PAVEMENT, AND SIGN RELOCATIONS.

110-1-1: PAY ITEM INCLUDES THE COST OF ALL EXISTING PIPES TO BE REMOVED OR CUT AND MODIFIED AND TREE AND STUMP REMOVAL TO 6" BELOW GRADE FOR THE ENTIRE PROJECT. TREES TO REMAIN UNLESS OTHERWISE NOTED IN THE PLANS.

120-4: PAY ITEM INCLUDES THE COST OF EXCAVATION OF IDENTIFIED ORGANIC SUBSOIL TO A DEPTH OF ONE FOOT ABOVE THE HIGHEST IDENTIFIED UTILITY WITHIN THE EXCAVATION LIMITS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING THE LOCATION, DEPTH, AND ALIGNMENT OF ALL EXISTING UTILITIES WITHIN THE WORK AREA PRIOR TO THE START OF EXCAVATION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.

430-542-300: PAY ITEM INCLUDES ALL COSTS ASSOCIATED WITH FURNISHING AND INSTALLING TYPE 45-DEGREE WINGWALLS AND U-TYPE WING STRUCTURES. REFER TO DRAINAGE DETAILS FOR CONFIGURATION AND DIMENSIONS.

CIP 5: 71ST ST NW TO 83RD ST NW

ITEM NO.	ITEM DESCRIPTION	UNIT	PROJECT QUANTITY
Roadway			
101 1	MOBILIZATION	LS	1
102 2	MAINTENANCE OF TRAFFIC	LS	1
104 10 3	SEDIMENT BARRIER	LF	1279
104 18	INLET PROTECTION SYSTEM	EA	3
107 1	LITTER REMOVAL	AC	8.68
107 2	MOWING	AC	5.18
110 1 1	CLEARING & GRUBBING	AC	0.27
110 4 10	REMOVAL OF EXISTING CONCRETE	SY	340
110 7 1	MAILBOX, F&I SINGLE	EA	2
120 1	REGULAR EXCAVATION	CY	500.0
120 6	EMBANKMENT	CY	100.0
160 4	TYPE B STABILIZATION	SY	15
520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	43
522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	618
522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	410
526 1101	PAVERS, ARCHITECTURAL, REMOVE EXISTING AND REINSTALL (PAY ITEM REMOVED)	SY	50
550 10 918	FENCING, SPECIALTYPE, 0.0-5.0', RESET EXISTING	LF	75
570 1 2	PERFORMANCE TURF, SOD	SY	674
Drainage			
425 1521	INLETS, DT BOT, TYPE C,<10	EA	3
425 2 41	MANHOLES, P-7, <10'	EA	1
430 174 215	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE-ELIP/ARCH, 15"SD	LF	18
430 175 118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18" S/CD	LF	20

570-1-2: PAY ITEM INCLUDES PLACEMENT OF SOD MATCHING EXISTING TYPE AND SPECIES OF SOD PRESENT ADJACENT TO THE WORK AREA.

590-70-1: PAY ITEM INCLUDES THE MODIFICATION AND/OR REPLACEMENT OF IRRIGATION SYSTEMS AFFECTED BY CONSTRUCTION. PROPERTIES WITH VISIBLE IRRIGATION SYSTEMS ARE NOTED ON THE PLANS. CONTRACTOR TO CHECK FOR PRESENCE OF IRRIGATION SYSTEMS WITHIN THE LIMITS OF CONSTRUCTION AT ALL PROPERTIES AND PROTECT AND RELOCATE CONFLICTING PORTIONS OF IRRIGATION SYSTEM AFFECTED UNDER THIS PAY ITEM. COST TO INCLUDE REPLACEMENT OF PARTS, LABOR, EQUIPMENT, AND MATERIALS AS REQUIRED TO REPAIR THE SYSTEM TO A COMPLETE AND FUNCTIONING STATE OF REPAIR. CONTRACTOR RESPONSIBLE FOR ANY COORDINATION WITH ADJACENT PROPERTY OWNERS AFFECTED.

700-3-501: PAY ITEM INCLUDES F&I OF SINGLE POST AND MOUNTING OF EXISTING SIGN PANEL.

715-7-11: SERVICE POINT INCLUDES ALL COSTS FOR FPL REIMBURSEMENT FOR NEW TRANSFORMER. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH FPL TO CONFIRM COSTS.

0526 2 1 DRIVEWAY BRICK REPLACEMENT

PAY ITEM INCLUDES ALL LABOR, EQUIPMENT, AND MATERIALS REQUIRED FOR THE REMOVAL OF THE EXISTING SOLDIER COURSE AND BRICK PAVERS WITHIN THE BRICK DRIVEWAY. THE CONTRACTOR SHALL CAREFULLY CLEAN ALL JOINTS TO A MINIMUM DEPTH AS SPECIFIED BY THE MANUFACTURER, ENSURING ALL DEBRIS AND VEGETATION ARE REMOVED. THIS ITEM INCLUDES FURNISHING AND INSTALLING REPLACEMENT BRICK PAVERS AS SHOWN ON THE PLANS, AS WELL AS INSTALLING THE SOLDIER COURSE IN ACCORDANCE WITH THE PROVIDED DETAILS. POLYMERIC SAND SHALL BE INCLUDED IN THE SOLDIER COURSE INSTALLATION, WITH PROPER COMPACTION FOLLOWING THE MANUFACTURER'S RECOMMENDATIONS. WORK SHALL ALSO INCLUDE PROTECTION OF SURROUNDING SURFACES, DISPOSAL OF REMOVED MATERIALS, AND RESTORATION OF ANY DISTURBED AREAS TO PRE-CONSTRUCTION CONDITION. ANY DAMAGE TO SURROUNDING BRICKS OR ADJACENT FEATURES CAUSED DURING CONSTRUCTION SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE COUNTY.

ALL QUANTITIES PROVIDED HEREIN ARE FOR ENGINEERS ESTIMATING PURPOSES ONLY, CONTRACTOR IS RESPONSIBLE FOR ALL QUANTITY CALCULATIONS NECESSARY FOR BIDDING.

	UTILITY RELOCATION AND REVISION		10/14/25	SK	 <p>© 2025 KIMLEY-HORN AND ASSOCIATES, INC. 1800 SECOND STREET, SUITE 900, SARASOTA, FL 34236 PHONE: 941-379-7600 WWW.KIMLEY-HORN.COM</p>	 <p>9TH AVENUE NW</p>	 <p>9TH AVENUE NW</p>	LICENSED PROFESSIONAL	JORDAN E. LEEP, P.E. FL LICENSE NUMBER 76102	<i>SUMMARY OF PAY ITEMS</i>	SHEET NUMBER	4
No.	REVISIONS		DATE	BY		MANATEE COUNTY	FL	DATE:				

CIP UTILITIES: POTABLE, RECLAIMED, SEWER

ITEM NO.	ITEM DESCRIPTION	UNIT	PROJECT QUANTITY
I. WATER IMPROVEMENTS			
1	MOBILIZATION AND MOT (WATER)	LS	1
2	UTILITY RECORD DRAWINGS (WATER)	LS	1
3	WATER VALVE TO BE ADJUSTED TO GRADE	EA	22
4	8" DI CLASS 350 PIPE WATER MAIN (OPEN CUT)	LF	179
5	8" DI FITTING - 45 DEGREE BEND MJ (WATER)	EA	12
6	CUT AND CONNECT TO EXISTING WATER MAIN (INCLUDES TEMP. SHUTDOWN)	EA	6
7	REMOVE EXISTING 8" WATER MAIN	LF	176
8	WATER SERVICE ASSEMBLY	EA	1
9	AIR RELEASE VALVE ASSEMBLY (WATER)	EA	1
10	WATER METER TO BE ADJUSTED TO GRADE	EA	2
11	8" X 2" TAPPING SLEEVE WITH 2" VALVE (WATER)	AS	1
12	FIRE HYDRANT ASSEMBLY (RELOCATION)	EA	2
13	FIRE HYDRANT ASSEMBLY TO BE ADJUSTED TO PROP. GRADE	EA	1
14	METER (WATER)	EA	7
15	8" GATE VALVE (WATER)	EA	2
16	6" GATE VALVE (WATER)	EA	3
17	REMOVE GATE VALVE (WATER)	EA	1
18	BACKFLOW ASSEMBLY	EA	2
48	6" DI CLASS 350 PIPE WATER MAIN (OPEN CUT)	LF	215
49	6" C900 DR-18 PVC WATER MAIN (OPEN CUT)	LF	366
50	4" DI CLASS 350 PIPE WATER MAIN (OPEN CUT)	LF	126
51	MOBILIZATION AND MOT (WASTEWATER)	LF	45
52	MOBILIZATION AND MOT (WASTEWATER)	LF	59
53	GROUT FILL & ABANDON EXISTING PIPELINES	CY	5.0
54	6" DI FITTING - 45 DEGREE BEND MJ (WATER)	EA	6
55	4" PVC FITTING - 22.5 DEGREE BEND MJ (WATER)	EA	2
56	2" GATE VALVE (WATER)	EA	1
57	8" X 6" TEE FITTING	EA	1
58	6" X 6" TEE FITTING	EA	1
59	6" X 4" DI REDUCER	EA	1
60	6" DI CAPS (WATER)	EA	2
61	4" DI CAP WITH 2" THREADED COUPLING	EA	1
62	2" BLOW OFF ASSEMBLY (WATER)	EA	1
63	SINGLE WATER SERVICE WITH RPZ	EA	6
64	DOUBLE WATER SERVICE WITH RPZ	EA	3
65	6" FIRE HYDRANT ASSEMBLY	EA	1
II. WASTEWATER IMPROVEMENTS			
19	MOBILIZATION AND MOT (WASTEWATER)	LS	1
20	UTILITY RECORD DRAWINGS (WASTEWATER)	LS	1
21	SANITARY VALVE TO BE ADJUSTED TO GRADE	EA	1
22	SANITARY MV TO BE ADJUSTED TO GRADE	EA	1
23	6" C900 DR-18 PVC FORCE MAIN (OPEN CUT)	LF	53
24	6" C900 DR-18 PVC FORCE MAIN IN 12" PVC CAPING (OPEN CUT)	LF	256
25	6" DI FITTING - 45 DEG. BEND MJ (WASTEWATER)	EA	8
26	CUT AND CONNECT TO EXISTING FORCE MAIN (INCLUDES BYPASSING)	EA	4
27	6" SANITARY SEWER VERTICAL ADJUSTMENT	EA	8
28	REMOVE EXISTING 6" SANITARY SEWER VERTICAL ADJUSTMENT	EA	2
29	REMOVE EXISTING 6" FORCE MAIN	LF	302
30	SANITARY SERVICE ASSEMBLY	EA	1
31	6" X 2" TAPPING SLEEVE WITH 2" VALVE (WASTEWATER)	AS	1

ITEM NO.	ITEM DESCRIPTION	UNIT	PROJECT QUANTITY
III. RECLAIMED WATER IMPROVEMENTS			
32	MOBILIZATION AND MOT (RECLAIM)	LS	1
33	UTILTITY RECORD DRAWINGS (RECLAIM)	LS	1
34	RECLAIM VALVE TO BE ADJUSTED TO GRADE	EA	8
35	12" DI CLASS 350 PIPE RECLAIM MAIN (OPEN CUT)	LF	238
36	8" DI CLASS 350 PIPE RECLAIM MAIN (OPEN CUT)	LF	40
37	12" DI FITTING - 45 DEG. BEND MJ (RECLAIM)	EA	15
38	8" DI FITTING - 45 DEG. BEND MJ (RECLAIM)	EA	4
39	12" GATE VALVE (RECLAIM)	EA	3
40	8" GATE VALVE (RECLAIM)	EA	1
41	REMOVE GATE VALVE (RECLAIM)	EA	4
42	CUT AND CONNECT TO EXISTING RECLAIM WATER MAIN (INCLUDES TEMP. SHUTDOWN)	EA	8
43	REMOVE EXISTING 12" RECLAIM WATER MAIN	LF	205
44	REMOVE EXISTING 8" RECLAIM WATER MAIN	LF	40
45	RECLAIM SERVICE ASSEMBLY	EA	1
46	AIR RELEASE VALVE ASSEMBLY (RECLAIM)	EA	2
47	12" X 2" TAPPING SLEEVE WITH 2" VALVE (RECLAIM)	AS	1
66	6" C900 DR-18 PVC RECLAIM MAIN (OPEN CUT)	LF	4
67	4" DI CLASS 350 PIPE RECLAIM MAIN (OPEN CUT)	LF	34
68	1" RECLAIM ADJUSTMENT	EA	2
69	6" GATE VALVE (RECLAIM)	EA	1
70	4" GATE VALVE (RECLAIM)	EA	1
71	12" X 6" TEE FITTING	EA	1
72	12" X 4" TEE FITTING	EA	1
73	6" DI CAP (RECLAIM)	EA	1

⚠	UTILITY RELOCATION AND REVISION	10/14/25	SK
No.	REVISIONS	DATE	BY

Kimley»Horn

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PHONE: 941-379-7600
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KHA PROJECT 148400070
DATE 10/14/2025
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

MANATEE COUNTY



9TH AVENUE NW

LICENSED PROFESSIONAL
JORDAN E. LEEP, P.E. FL LICENSE NUMBER 76102
DATE:

SUMMARY OF PAY ITEMS

SHEET NUMBER
5

PHASING NOTES - 9TH AVENUE NW

PHASE I

1. PLACE ADVANCE WARNING TRAFFIC CONTROL SIGNS AND DEVICES AS SHOWN IN THE TTCP GENERAL NOTES/DETAILS SHEET.
2. PLACE WORK ZONE SIGNS AND CHANNELIZING DEVICES, UTILIZING INDICES 102-600, 102-602, 102-603, AND 102-604 AS REQUIRED. SET UP DETOUR PLAN PER PHASE 1A DETOUR PLAN SHEET.
3. CONSTRUCT OUTFALL CANAL ADJACENT TO THE CROSS DRAIN AT APPROXIMATE STA. 36+80. CONSTRUCT CULVERT AT HAWTHORN PARK OUTFALL.
4. CONSTRUCT WATER MAIN AND RECLAIM MAIN RELOCATIONS AT CULVERT IN CONJUNCTION WITH CULVERT CONSTRUCTION.
5. CONSTRUCT ALL CURBLINES, WIDENING AND RECONSTRUCTION, DRAINAGE, EARTHWORK, SODDING, AND SIDEWALKS FROM APPROXIMATE STA. 34+00 TO STA. 39+10.
6. SEE 92ND TEMPORARY TRAFFIC CONTROL PHASING PLAN SHEETS, PHASING NOTES, AND DETOUR PLAN TO CONSTRUCT THE WORK AT 92ND STREET NW AND 9TH AVENUE NW. MAKE CONNECTION TO MULTI-USE-TRAIL ON THE NORTH SIDE AND CONNECTION TO PIPE AT STRUCTURE S-404.

PHASE IIA

1. PLACE ADVANCE WARNING TRAFFIC CONTROL SIGNS AND DEVICES AS SHOWN IN THE TTCP GENERAL NOTES / DETAILS SHEET.
2. PLACE WORK ZONE SIGNS AND CHANNELIZING DEVICES, UTILIZING INDICES 102-600, 102-602, 102-603 AND 102-604 AS REQUIRED.
3. EAST OF APPROXIMATE STA. 43+75, CONSTRUCT WIDENING TO THE SOUTH UP TO THE FINAL LIFT, SIDEWALKS, CURBLINES, SODDING, AND EARTHWORK UP TO APPROXIMATE STA. 53+13.
4. MAINTAIN LOCAL ACCESS DOWN 88TH STREET NW SOUTH OF 9TH AVENUE NW AT ALL TIMES USING A FLAGGER AS NECESSARY. CONSTRUCT OUTFALL STRUCTURE AND DRAINAGE TRUNKLINE UP TO, BUT NOT INCLUDING, STRUCTURE S-800.
5. SEE 87TH TEMPORARY TRAFFIC CONTROL PHASING PLAN SHEETS, PHASING NOTES, AND DETOUR PLAN TO CONSTRUCT THE WORK AT 87TH STREET NW AND 9TH AVENUE NW. MAKE CONNECTION TO MULTI-USE-TRAIL ON THE NORTH SIDE.

PHASE IIB

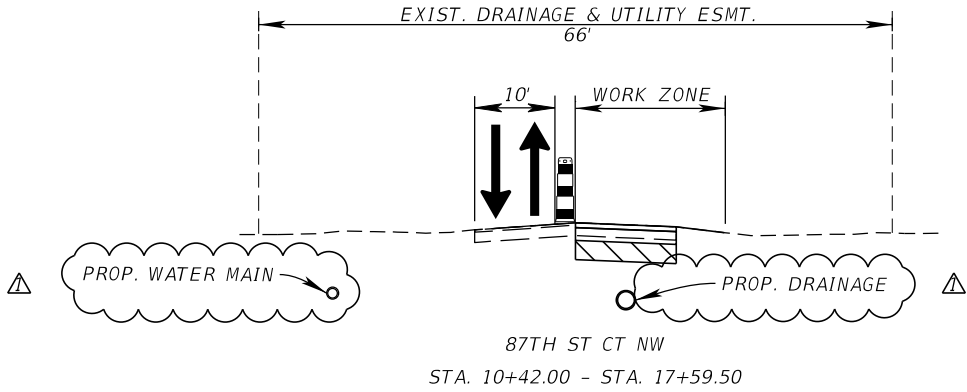
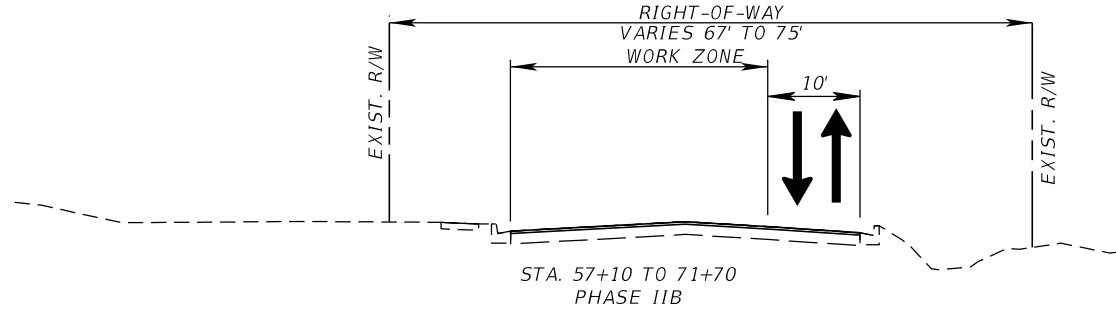
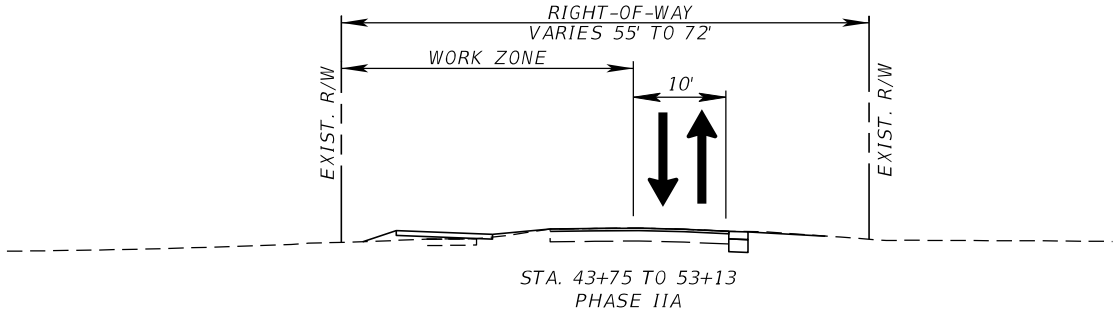
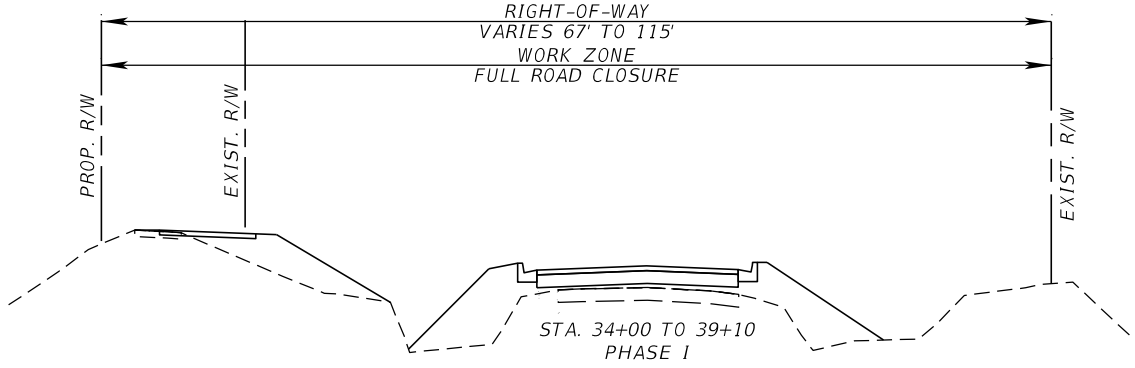
1. PLACE ADVANCE WARNING TRAFFIC CONTROL SIGNS AND DEVICES AS SHOWN IN THE TTCP GENERAL NOTES / DETAILS SHEET.
2. PLACE WORK ZONE SIGNS AND CHANNELIZING DEVICES, UTILIZING INDICES 102-600, 102-602, 102-603, AND 102-604 AS REQUIRED.
3. EAST OF APPROXIMATE STA. 57+10, CONSTRUCT WIDENING TO THE SOUTH UP TO THE FINAL LIFT, SIDEWALKS, CURBLINES, SODDING, AND EARTHWORK ENDING WORK AT APPROXIMATE STA. 71+70.

PHASE III

1. PLACE ADVANCE WARNING TRAFFIC CONTROL SIGNS AND DEVICES AS SHOWN IN THE TTCP GENERAL NOTES / DETAILS SHEET.
2. PLACE WORK ZONE SIGNS AND CHANNELIZING DEVICES, UTILIZING INDICES 102-600, 102-602, 102-603, AND 102-604 AS REQUIRED. USE SINGLE LANE CLOSURES AND FLAGGER TO CARRY-OUT MILLING OPERATIONS ALONG THE ENTIRE PROJECT LIMITS.
3. EAST OF APPROXIMATE STA. 75+00, CONSTRUCT SODDING AND EARTHWORK UP TO APPROXIMATE STA. 83+15. SEE 9TH AVENUE NW: 78TH STREET NW TO 75TH STREET NW PROJECT FOR MORE INFORMATION ON TIE-IN INFORMATION.
4. CONSTRUCT SIDEWALK AND DRAINAGE WORK EAST OF 75TH STREET NW UP TO 71ST STREET NW. ENSURE DRIVEWAY ACCESS TO ALL RESIDENTIAL PROPERTIES AT ALL TIMES.
5. CONSTRUCT MILLING OPERATIONS ALONG ENTIRE PROJECTS LIMITS USING INDEX 102-603. PLACE FINAL LIFT OF ASPHALT AND FINAL SURFACE PAVEMENT MARKINGS ALONG THE ENTIRE PROJECT LIMITS.
4. PLACE FINAL LIFT OF ASPHALT AND FINAL SURFACE PAVEMENT MARKINGS ALONG THE ENTIRE PROJECT LIMITS.

PHASING NOTES - 87TH STREET COURT NW

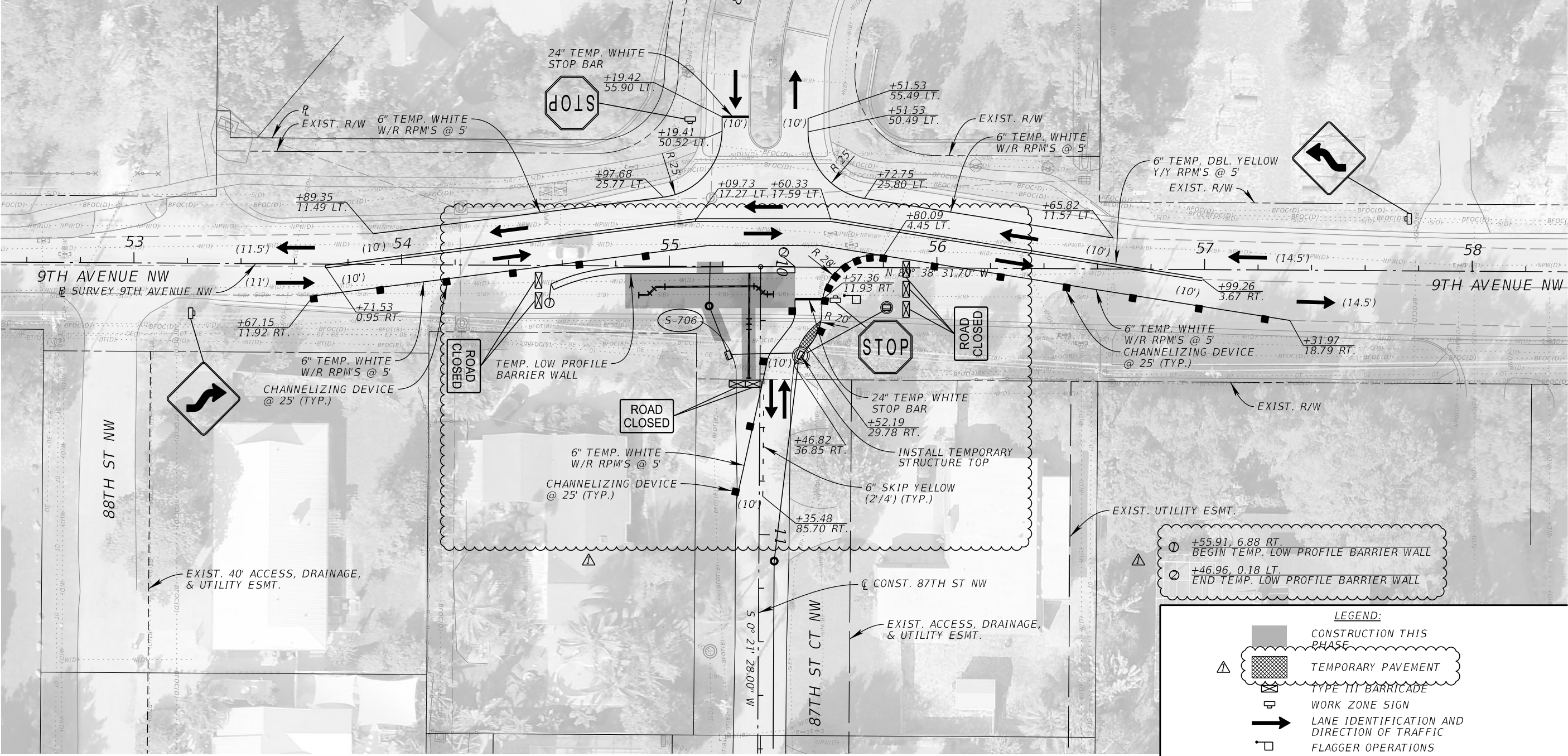
1. PLACE ADVANCE WARNING TRAFFIC CONTROL SIGNS AND DEVICES AS SHOWN IN THE TTCP GENERAL NOTES / DETAILS SHEET.
2. PLACE WORK ZONE SIGNS AND CHANNELIZING DEVICES, UTILIZING INDICES 102-600, 102-602, 102-603 AND 102-604 AS REQUIRED.
3. CONSTRUCT STRUCTURES S-805, S-806, AND S-807 AND THEIR ASSOCIATED PIPES. MAKE CONNECTION FROM STRUCTURE S-804 TO S-805. CONSTRUCT STRUCTURE S-804 AND APPROXIMATELY 11 LF OF PIPE. COVER WITH STEEL PLATES OVERNIGHT AND MAINTAIN ACCESS TO ALL RESIDENTIAL PROPERTIES. COORDINATE WITH PROPERTY OWNERS PRIOR TO WORK AND MAINTAIN ACCESS AT ALL TIMES.
4. CONSTRUCT STRUCTURES S-800, S-801, S-802, AND S-803 AND THEIR ASSOCIATED PIPES.
5. RECONSTRUCT THE NORTHBOUND LANE OF 87TH STREET COURT NORTHWEST FROM APPROXIMATELY STA. 10+42 - 16+70 UP TO THE FINAL LIFT. COMPLETE SODDING OF RESIDENTIAL YARDS AND COORDINATE WITH PROPERTY OWNERS TO RECONSTRUCT DRIVEWAYS AS SHOWN IN THE PLANS. ENSURE DRIVEWAY ACCESS TO ALL RESIDENTIAL PROPERTIES AT ALL TIMES. CONTRACTOR TO COVER ANY DROPOFF CONDITIONS IN ACCORDANCE WITH INDEX 102-600 AND MAINTAIN TWO 10-FT LANES IN ALL DIRECTIONS AT THE END OF EACH WORK DAY.
6. RECONSTRUCT AND MILL THE SOUTHBOUND LANE OF 87TH STREET AND CONSTRUCT 6" WATER MAIN WHERE SHOWN IN THE PLANS. COMPLETE SODDING OF RESIDENTIAL YARDS AND COORDINATE WITH PROPERTY OWNERS TO RECONSTRUCT DRIVEWAYS AS SHOWN IN THE PLANS. ENSURE DRIVEWAY ACCESS TO ALL RESIDENTIAL PROPERTIES AT ALL TIMES. CONTRACTOR TO COVER ANY DROPOFF CONDITIONS IN ACCORDANCE WITH INDEX 102-600 AND MAINTAIN TWO 10-FT LANES IN ALL DIRECTIONS AT THE END OF EACH WORK DAY.
7. PLACE FINAL LIFT OF ASPHALT PAVEMENT.



	UTILITY RELOCATION AND REVISION	10/14/25	SK		KHA PROJECT 148400070		LICENSED PROFESSIONAL	JORDAN E. LEEP, P.E. FL LICENSE NUMBER 76102	TTCP PHASING NOTES	SHEET NUMBER 98		
					DATE 10/14/2025							
					SCALE AS SHOWN							
					DESIGNED BY							
					DRAWN BY							
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PHASING NOTES: 87TH ST NW PHASE I

1. PLACE TEMPORARY STRIPING/SIGNAGE, TEMPORARY PAVEMENT, AND SHIFT TRAFFIC TO THE PHASE I CONFIGURATION. UTILIZE INDICIES 102-600, 102-603, AND 102-604 AS REQUIRED FOR THE ADVANCE WARNING SIGNAGE LAYOUT. MAINTAIN ACCESS TO 87TH ST CT NW AT ALL TIMES.
2. CONSTRUCT APPROXIMATELY 14 LF OF PIPE TO CONSTRUCT STRUCTURE S-706 AND MAKE CONNECTION. CONSTRUCT APPROXIMATELY 17 LF OF PIPE FROM S-706 TOWARDS S-705.
3. PLACE TEMPORARY LOW PROFILE BARRIER PARALLEL TO PROPOSED FORCE MAIN RELOCATION. CONSTRUCT 6" FORCE MAIN RELOCATION AND 6" WATER MAIN WITHIN THE WORK ZONE SHAPE. AT THE END OF EACH WORK DAY, CONTRACTOR TO USE STEEL PLATES OR ANOTHER METHOD APPROVED BY THE ENGINEER TO COVER ANY DROP-OFF CONDITIONS IN THE CLEAR ZONE PER INDEX 102-600. BEGIN RELOCATION NEAR THE EAST CONNECTION TO THE FORCE MAIN. MAINTAIN TWO 10-FT LANES IN ALL DIRECTIONS AT THE END OF EACH WORK DAY.



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KHA PROJECT
148400070
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DRAWN BY
CHECKED BY

9TH AVENUE NW

MANATEE COUNTY

LICENSED PROFESSIONAL

JORDAN E. LEEP, P.E.
FL LICENSE NUMBER
76102

FL DATE:

TEMP TRAFFIC CONTROL

87TH ST. - PHASE I

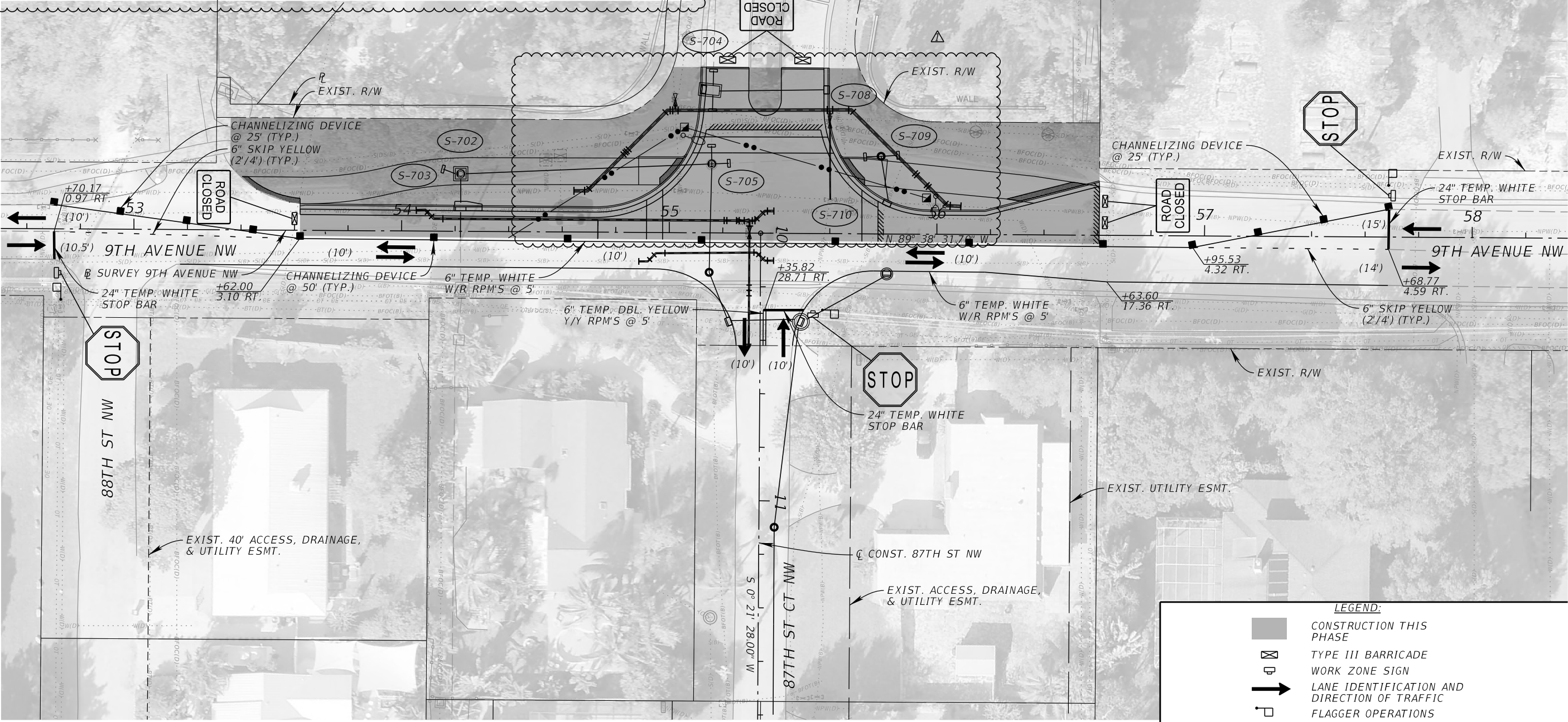
SHEET NUMBER

109

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PHASING NOTES: 87TH ST NW PHASE II A

1. PLACE TEMPORARY STRIPING/SIGNAGE AND SHIFT TRAFFIC TO THE PHASE II A CONFIGURATION. UTILIZE INDICIES 102-600, 102-603, AND 102-604 AS REQUIRED FOR THE ADVANCE WARNING SIGNAGE LAYOUT. MAINTAIN ACCESS TO 87TH ST CT NW AT ALL TIMES.
2. CONSTRUCT STRUCTURES S-702, S-703, S-704, S-705, S-708, S-709, AND S-710. CONSTRUCT ALL ASSOCIATED PIPES WITH STRUCTURES AND APPROXIMATELY 29 LF OF PIPE TO MAKE CONNECTION TO S-705. CONSTRUCT APPROXIMATELY 10 LF FROM S-703 TOWARDS S-701.
3. CONSTRUCT 8" WATER MAIN RELOCATION AND 12" RECLAIM MAIN RELOCATION WITHIN THE WORK ZONE SHAPE. AT THE END OF EACH WORK DAY, CONTRACTOR TO USE STEEL PLATES OR ANOTHER METHOD APPROVED BY THE ENGINEER TO COVER ANY DROP-OFF CONDITIONS IN THE CLEAR ZONE PER INDEX 102-600. MAINTAIN TWO 10-FT LANES IN ALL DIRECTIONS AT THE END OF EACH WORK DAY.
4. CONSTRUCT CURBLINE AND WIDENING WITHIN THE WORK ZONE SHAPE UP TO THE FINAL LIFT. CONSTRUCT OVERBUILD PAVEMENT WITHIN THE INTERSECTION IN 1.5" LIFTS UP TO, BUT NOT INCLUDING THE FINAL LIFT. CONSTRUCT ALL SIDEWALKS, LIGHTING, SODDING, AND EARTHWORK WITHIN THE WORK ZONE SHAPE.



LEGEND:

- CONSTRUCTION THIS PHASE
- ⊠ TYPE III BARRICADE
- ⊞ WORK ZONE SIGN
- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- ⊞ FLAGGER OPERATIONS

	UTILITY RELOCATION AND REVISION		10/14/25	SK
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9TH AVENUE NW

LICENSED PROFESSIONAL

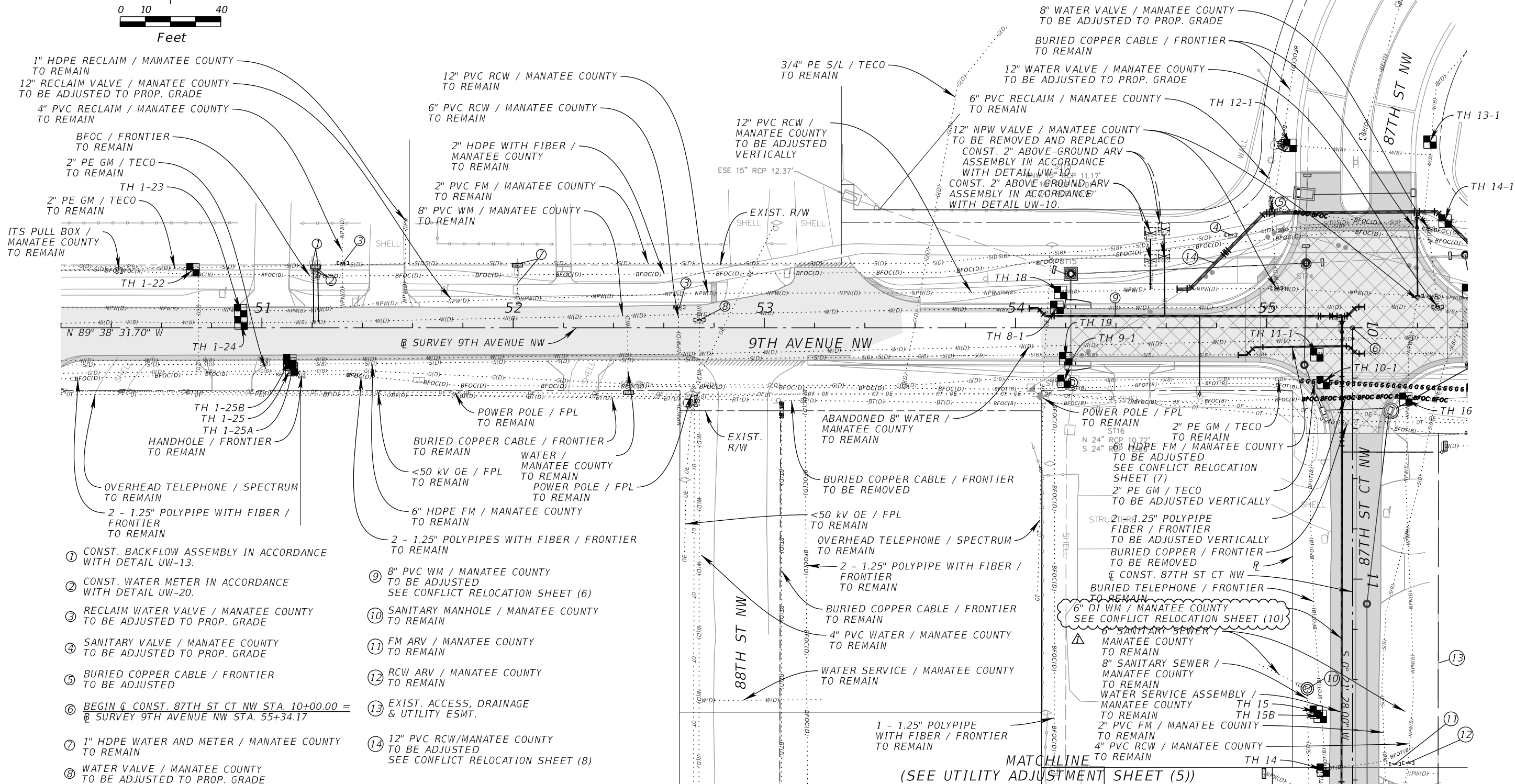
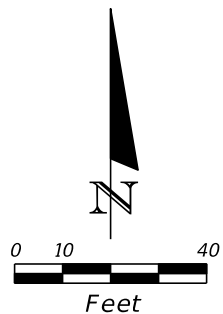
JORDAN E. LEEP, P.E.
FL LICENSE NUMBER
76102

FL DATE:


TEMP TRAFFIC CONTROL
87TH ST. - PHASE II A

SHEET NUMBER

110



UTILITY RELOCATION AND REVISION				10/14/25	SK
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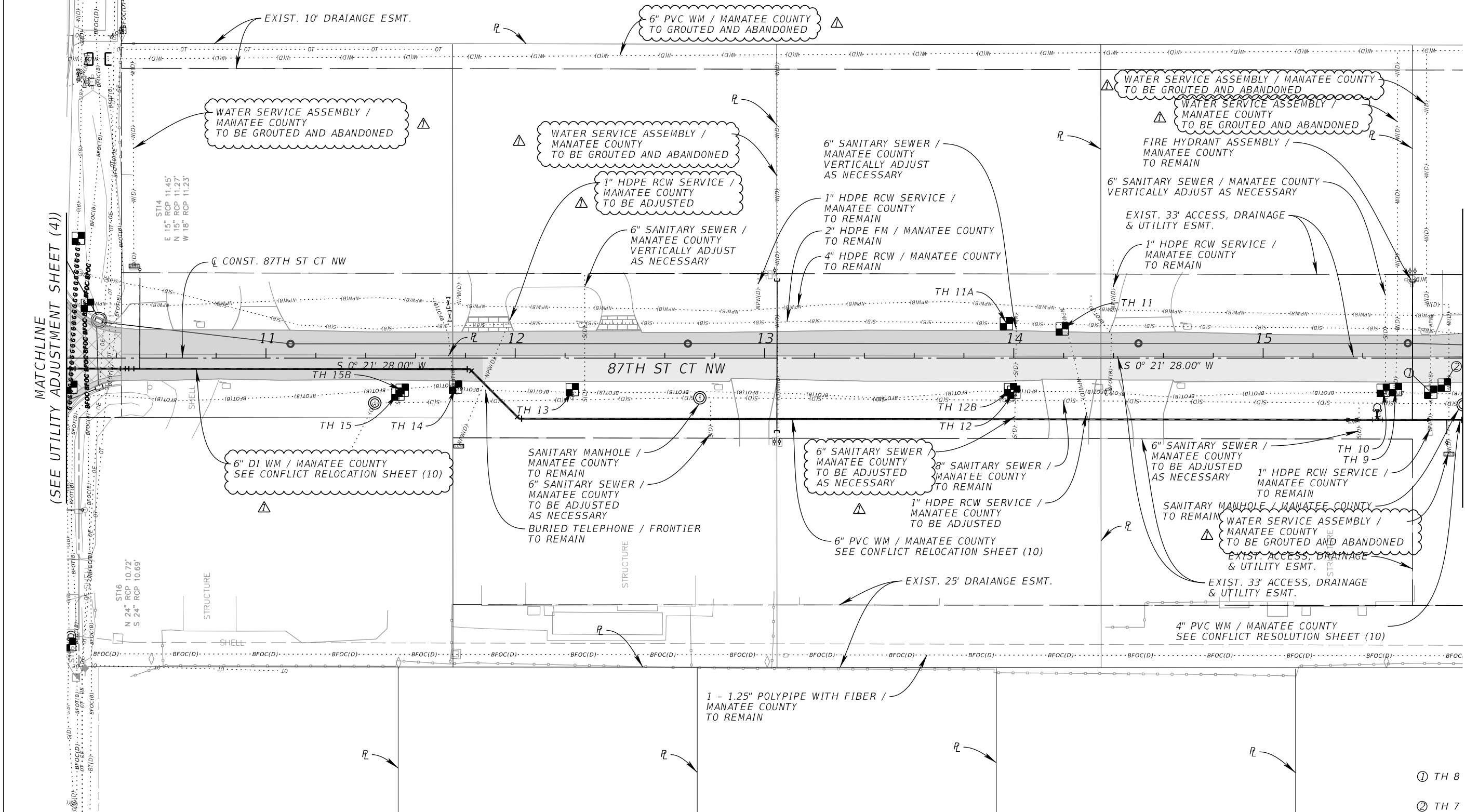
MANATEE COUNTY

LICENSED PROFESSIONAL

JORDAN E. LEEP, P.E.
FL LICENSE NUMBER 76102

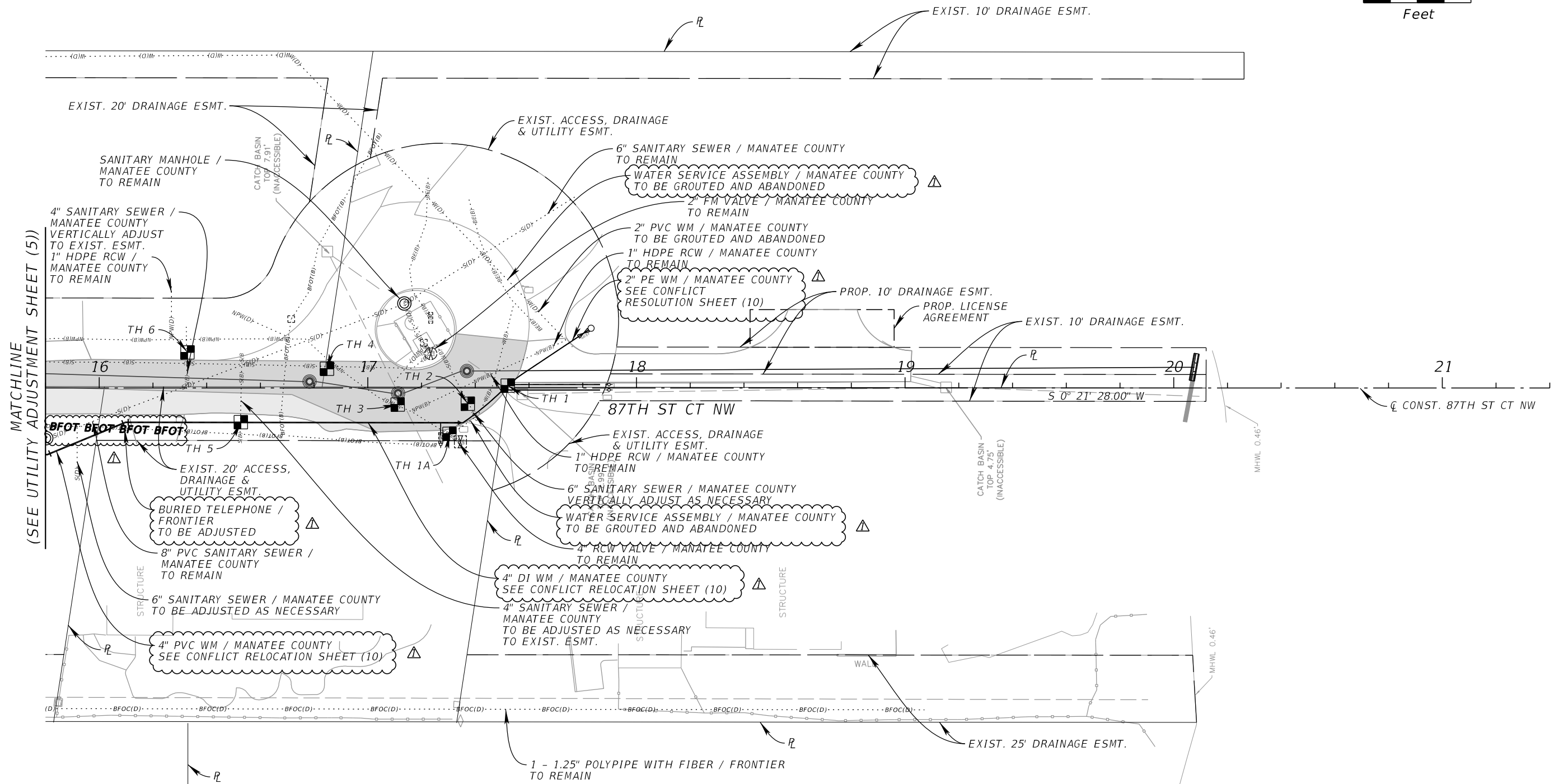
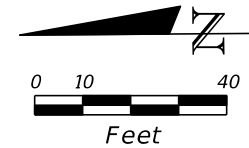
UTILITY ADJUSTMENT
SHEET (4)

SHEET NUMBER
119




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No.	REVISIONS	DATE	BY						

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9TH AVENUE NW

MANATEE COUNTY

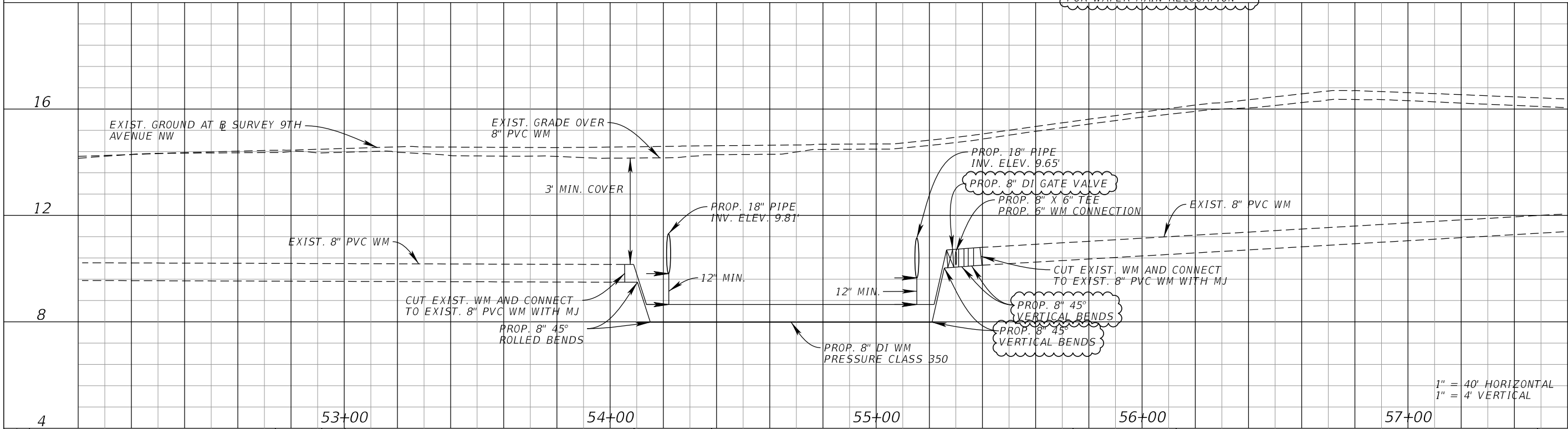
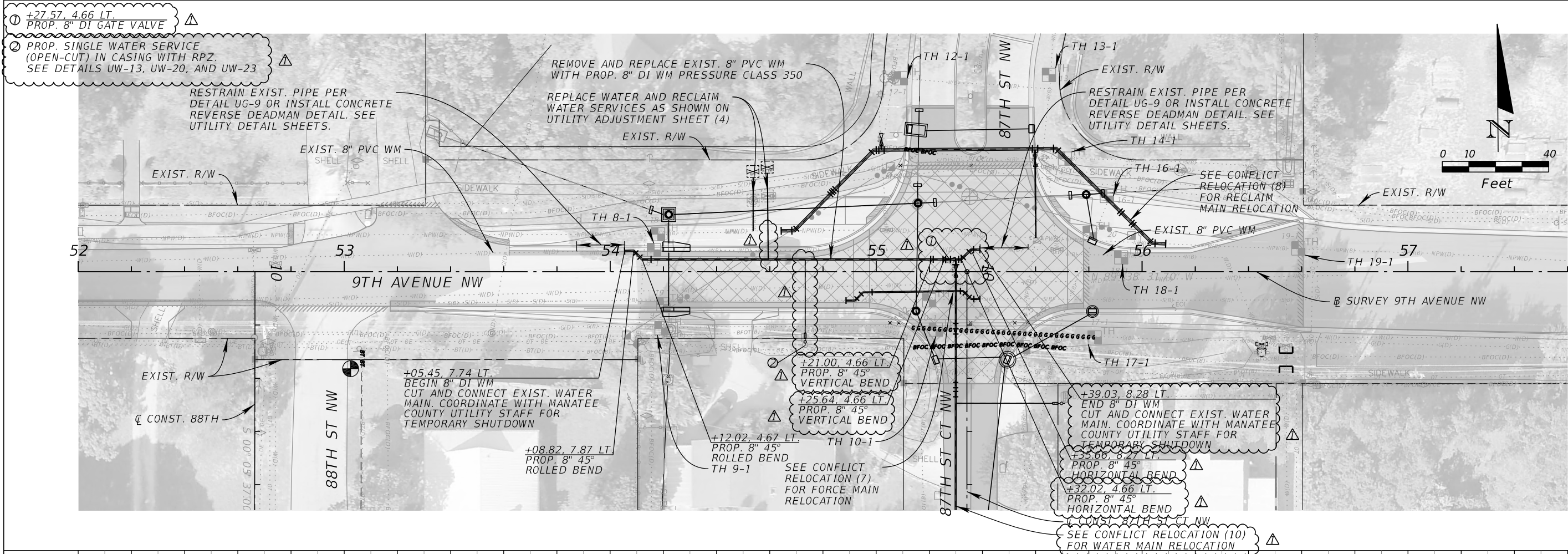
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FL LICENSE NUMBER 76102

UTILITY ADJUSTMENT
SHEET (6)

SHEET NUMBER
121

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Manatee County
FLORIDA

9TH AVENUE NW

MANATEE COUNTY

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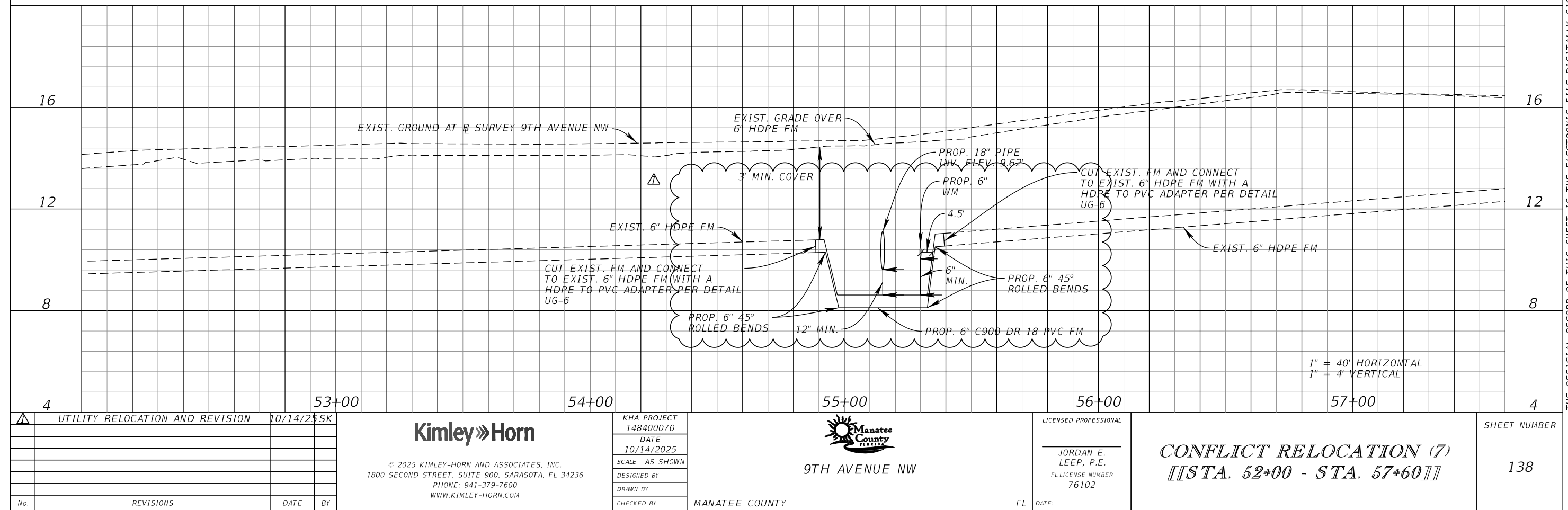
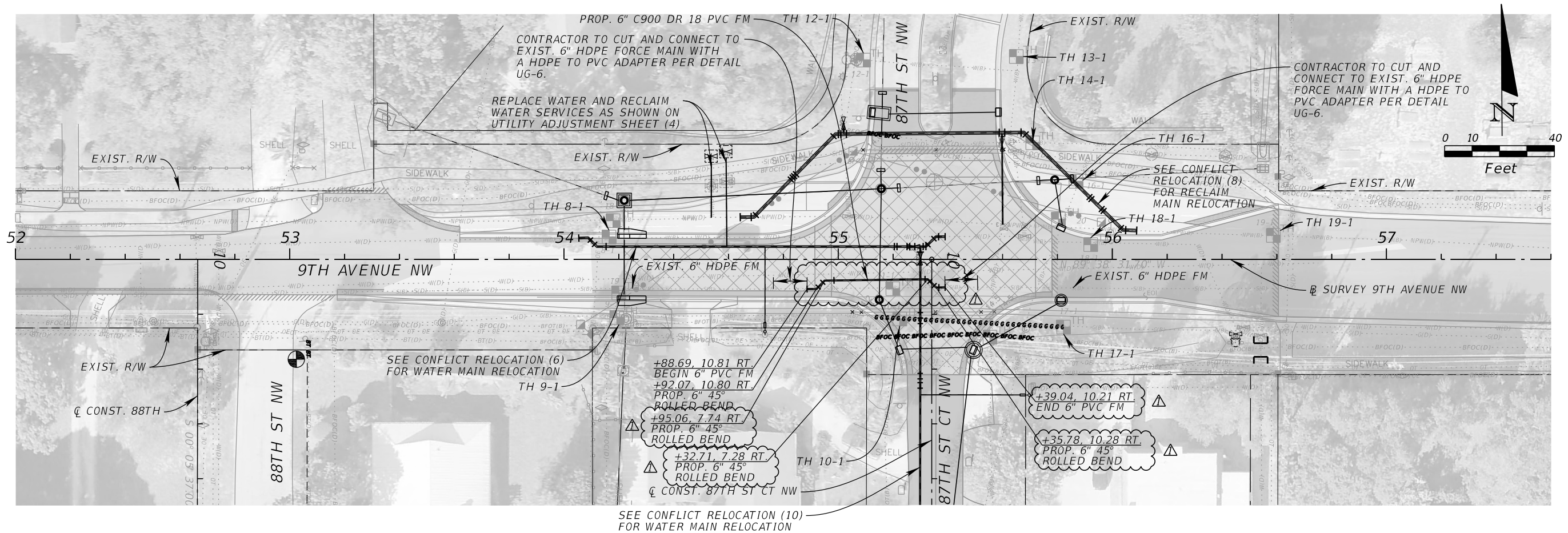
JORDAN E. LEEP, P.E.
FL LICENSE NUMBER
76102

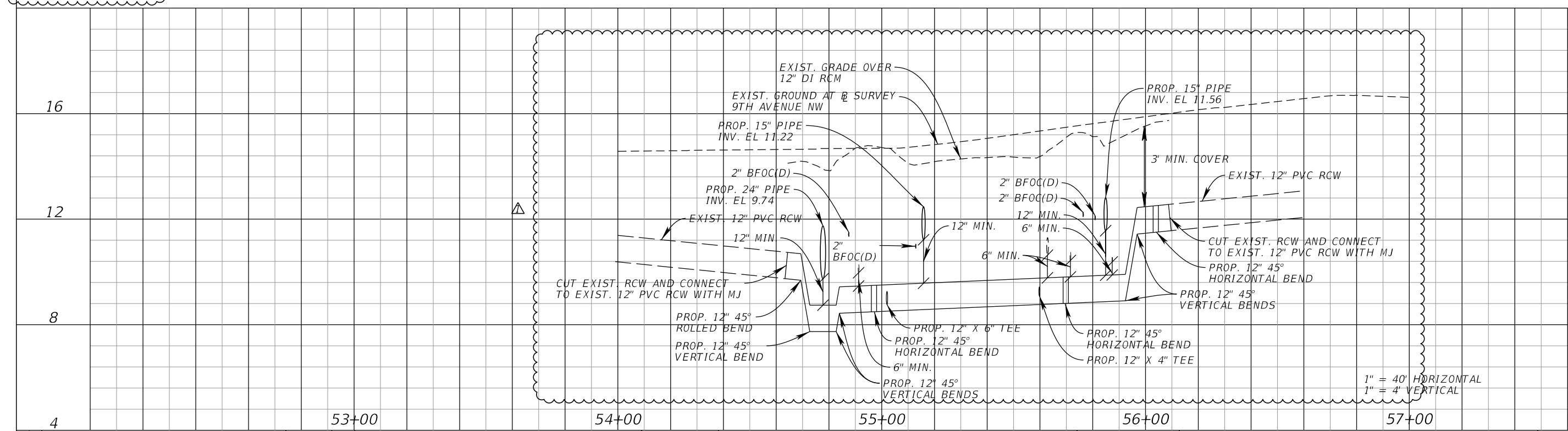
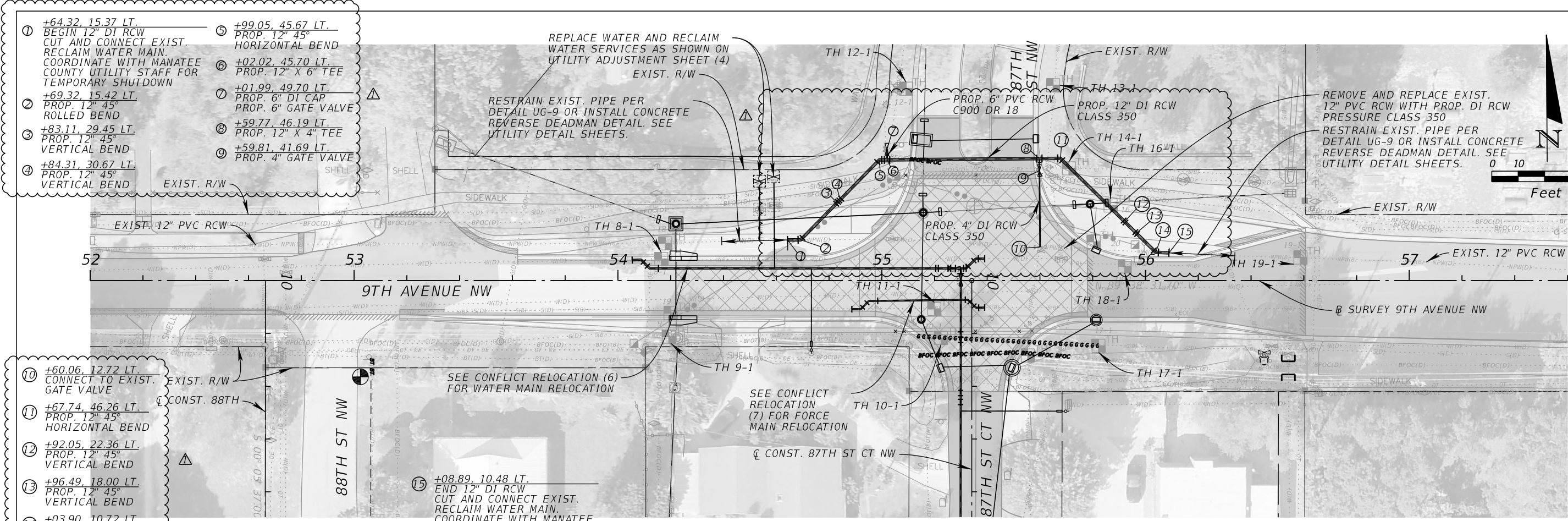
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CONFLICT RELOCATION (6)
[[STA. 52+00 - STA. 57+60]]

SHEET NUMBER
137

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No.	REVISIONS	DATE	BY

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9TH AVENUE NW

LICENSED PROFESSIONAL
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FL LICENSE NUMBER 76102
FL DATE:

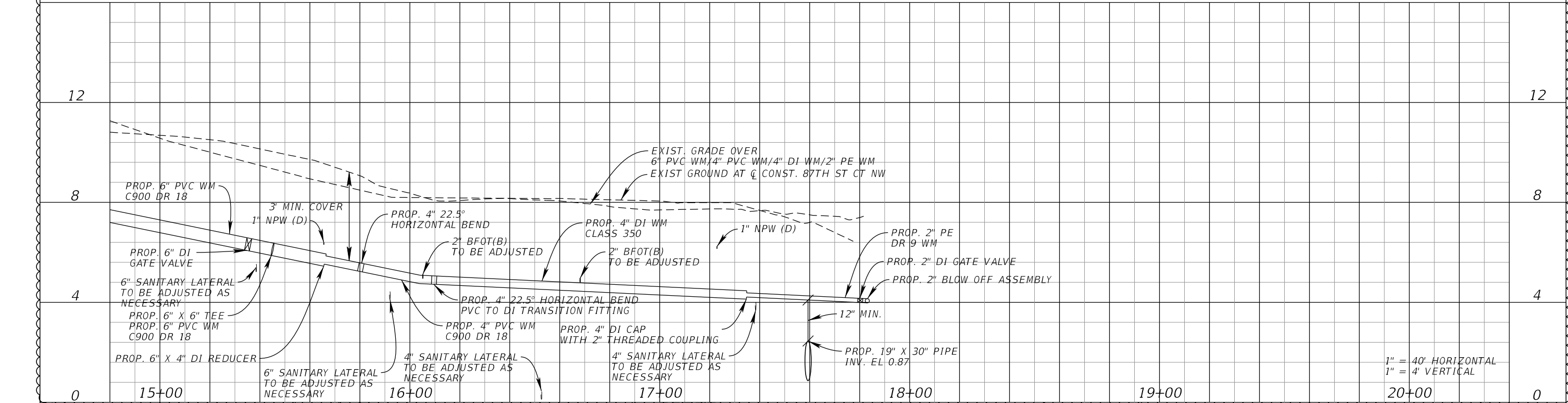
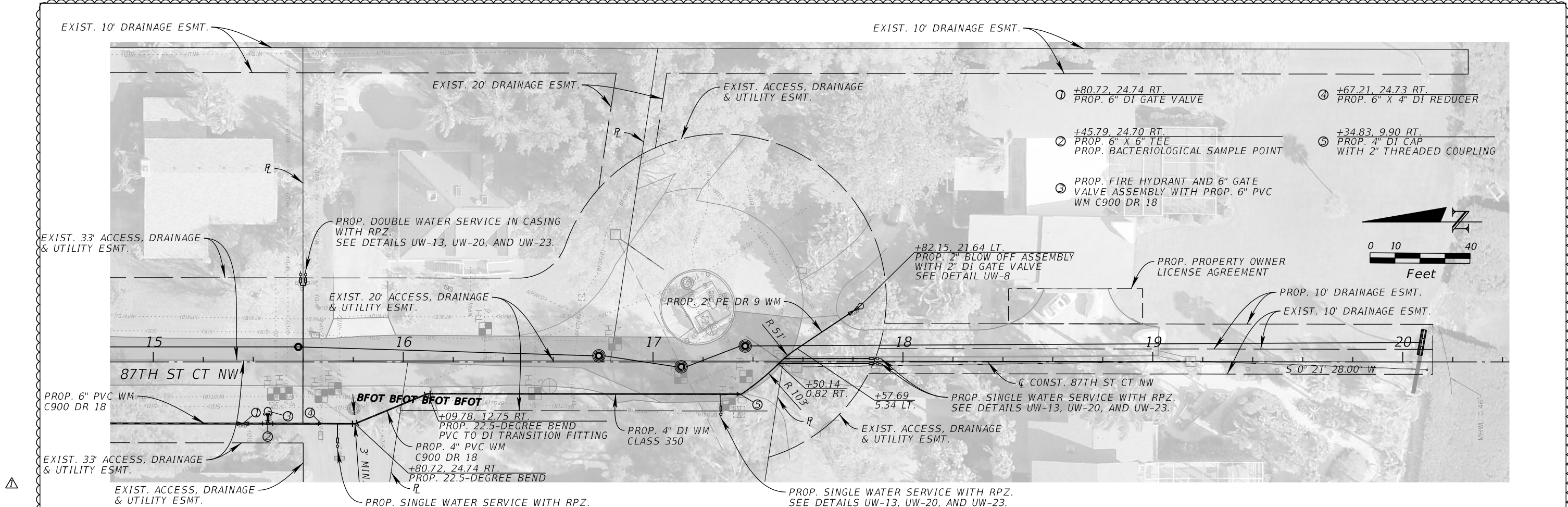
CONFLICT RELOCATION (8)
[[STA. 52+00 - STA. 57+60]]

SHEET NUMBER
139

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UTILITY RELOCATION AND REVISION		10/14/25 SK	
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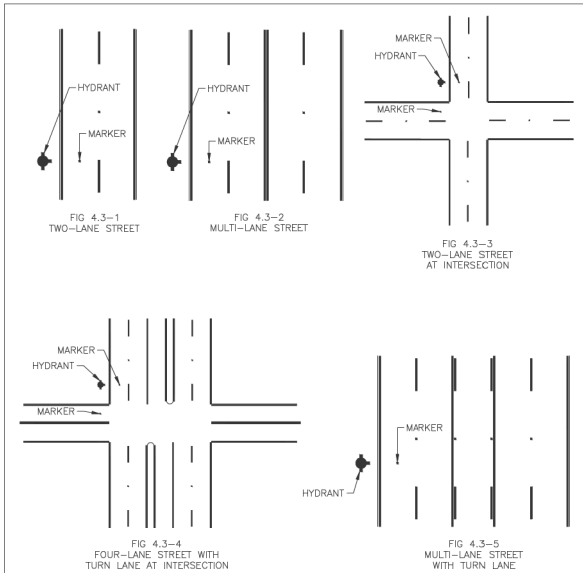
Manatee County
9TH AVENUE NW

LICENSED PROFESSIONAL
JORDAN E. LEEP, P.E.
FL LICENSE NUMBER 76102

**CONFLICT RELOCATION (10)
87TH ST CT NW**

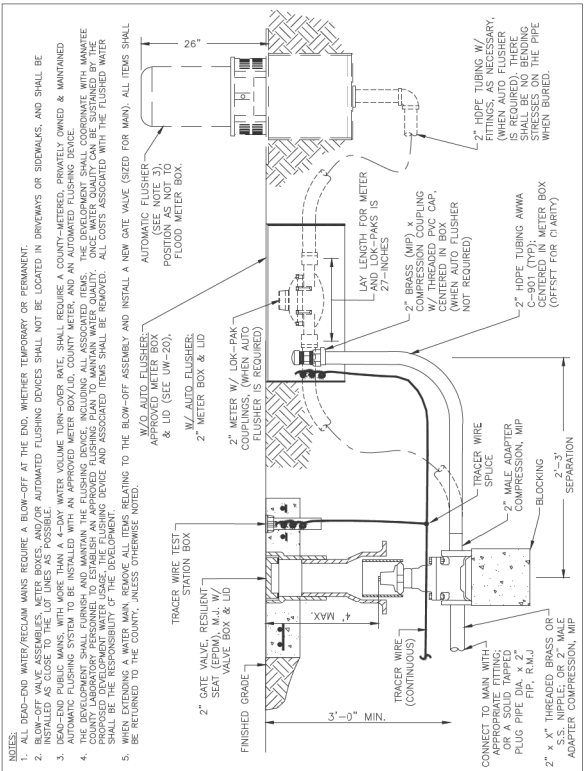
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FL DATE:

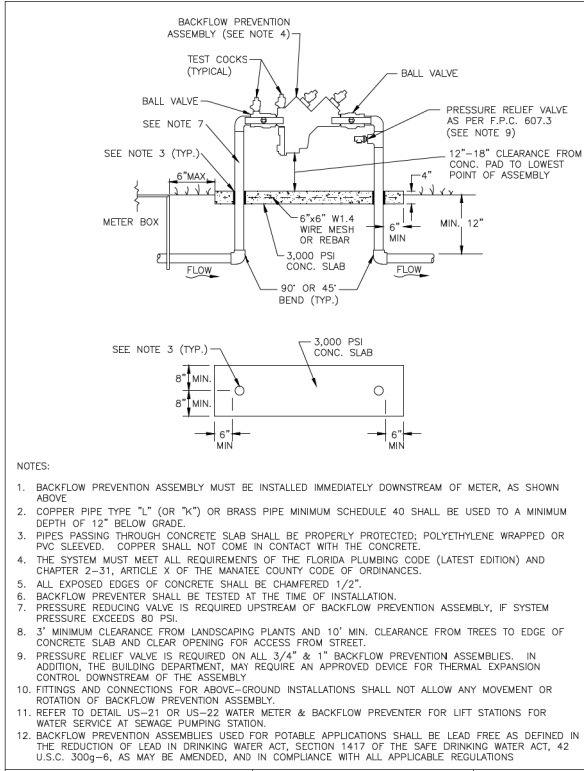


- NOTES:
1. ALL STREETS OR ROADS: MARKER SHOULD BE PLACED IN THE CENTER OF THE TRAVEL LANE CLOSEST TO THE FIRE HYDRANT. SEE FIGURE 4.3-1, 4.3-2, AND 4.3-3.
 2. STREETS WITH LEFT TURN LANE AT INTERSECTION: MARKER SHOULD BE PLACED 6 INCHES FROM EDGE OF PAINTED WHITE CHANNELING LINE OF THE SIDE NEAREST THE FIRE HYDRANT. SEE FIGURE 4.3-4.
 3. STREETS WITH CONTINUOUS TWO-WAY TURN LANE: MARKER SHOULD BE PLACED 6 INCHES FROM THE EDGE OF THE PAINTED YELLOW BARRIER LINE ON THE SIDE NEAREST THE FIRE HYDRANT. SEE FIGURE 4.3-5.
 4. MARKER SHALL BE BLUE/BLUE RAISED RETROREFLECTIVE PAVEMENT MARKER.

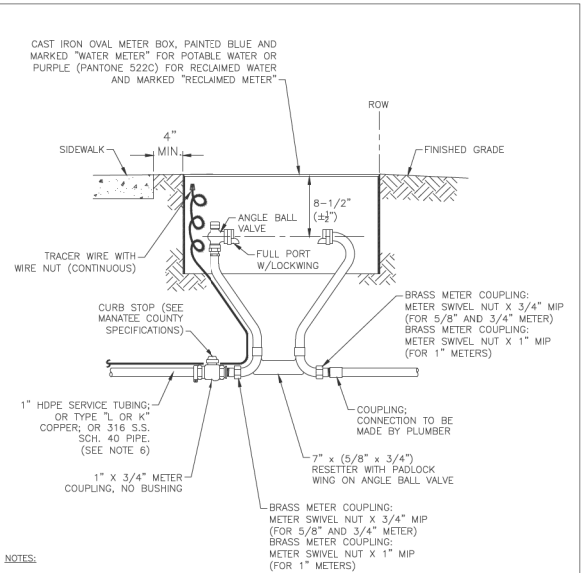
MANATEE COUNTY PUBLIC WORKS DEPARTMENT		HYDRANT LOCATION MARKERS - BLUE (RPMs)	UW-6
REV.	DATE		
	SEPT 12, 2023		
	DATE OF APPROVAL		



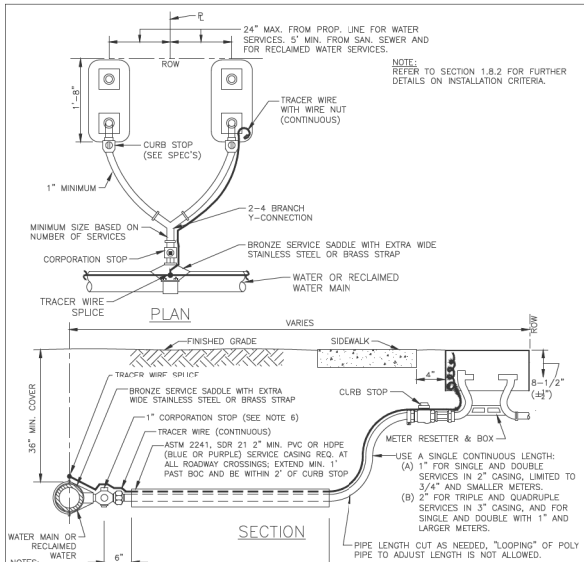
MANATEE COUNTY PUBLIC WORKS DEPARTMENT		2" BLOW-OFF ASSEMBLY	UW-8
REV.	DATE		
	SEPT 12, 2023		
	DATE OF APPROVAL		



MANATEE COUNTY PUBLIC WORKS DEPARTMENT		3/4" & 1" BACKFLOW PREVENTION ASSEMBLY	UW-13
REV.	DATE		
	SEPT 12, 2023		
	DATE OF APPROVAL		

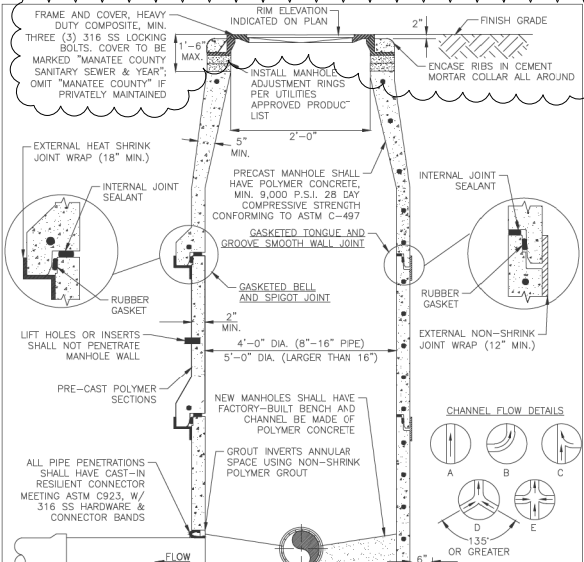


MANATEE COUNTY PUBLIC WORKS DEPARTMENT		METER BOX ASSEMBLY FOR 5/8" X 3/4", 3/4", AND 1" METERS	UW-20
REV.	DATE		
	SEPT 12, 2023		
	DATE OF APPROVAL		



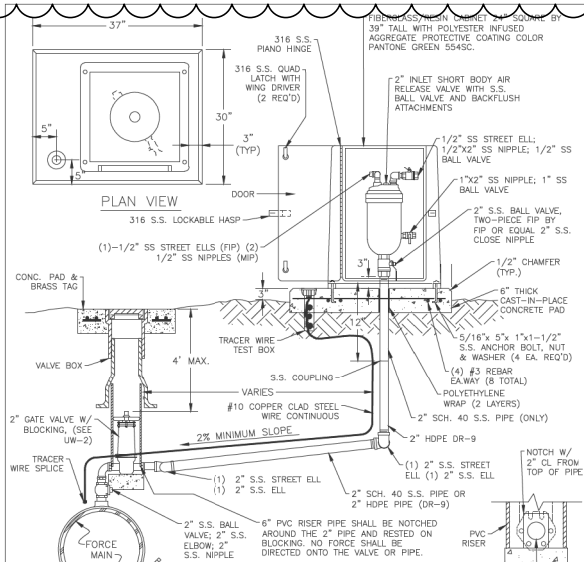
- NOTES:
1. ALL SERVICE TAPS TO BE LOCATED IN THE FIELD. TAPS SHALL BE NO CLOSER THAN 2'-0" STAGGERED INTERVALS OR WITHIN 2'-0" FROM BELL OR SPIGOT ENDS.
 2. METER BOXES & RESETTERS ARE TO BE INSTALLED BY THE INFRASTRUCTURE CONTRACTOR AND SHALL NOT BE SET IN DRAINAGE SWALES, SIDEWALKS OR DRIVEWAYS. WITH PRIOR APPROVAL BY COUNTY, METER BOXES WITH LOCKABLE LIDS MAY BE LOCATED IN SIDEWALKS.
 3. "W" OR "R" SHALL BE IMPRESSED INTO THE NEWLY POURED CONCRETE CURB (OR ROUTED INTO EXISTING CONCRETE CURB USING AN APPROVED TEMPLATE) AND INSTALL AN ALUMINUM BLUE DISC WITH "W" OR ALUMINUM PURPLE DISC WITH "R" AND THE FOOTAGE FROM THE DISC TO THE METER USING A 1/8" X 1" GALVANIZED STEEL SCREW IN THE EDGE OF PAVEMENT. LETTER SHALL COMPLY WITH TEMPLATE DETAIL UG-21.
 4. COLOR CODED TRACER WIRE SHALL BE INSTALLED WITH WATER AND RECLAIMED MAIN AND ALL SERVICES. SERVICE WIRE SHALL BE CONNECTED TO THE TRACER WIRE ALONG THE MAIN OR DOUBLE SERVICES. WHEN SECOND METER IS OVER 8 FT APART, TWO TRACER WIRES SHALL BE INSTALLED; ONE FOR EACH METER.
 5. WATER AND RECLAIMED WATER SERVICE LINES TO BE 3" MINIMUM FROM SEWER SERVICE PIPES.
 6. FOR 2" SERVICES, REPLACE CORPORATION STOP WITH A 2" RESILIENT WEDGE FIP GATE VALVE W/BOX, LID & TAG.
 7. WHEN THE DISTANCE BETWEEN THE EDGE OF THE SIDEWALK AND THE ROW IS ONE FOOT (CUL-DE-SAC W/MEDIAN) A 10-FOOT-WIDE PUBLIC UTILITY EASEMENT SHALL BE LOCATED IN THE FRONT OF THE LOTS, ADJACENT TO THE ROW.
 8. TEMPORARY RESIDENTIAL USE CAN BE PROVIDED BY CONTACTING THE UTILITY CUSTOMER SERVICE. SEE DETAIL UW-21.
 9. SERVICE TUBING SHALL NOT BE CRIMPED OR KINKED TO RE-ADJUST CURB STOP LOCATION.

MANATEE COUNTY PUBLIC WORKS DEPARTMENT		TYPICAL SERVICE CONNECTION	UW-23
REV.	DATE		
	SEPT 12, 2023		
	DATE OF APPROVAL		



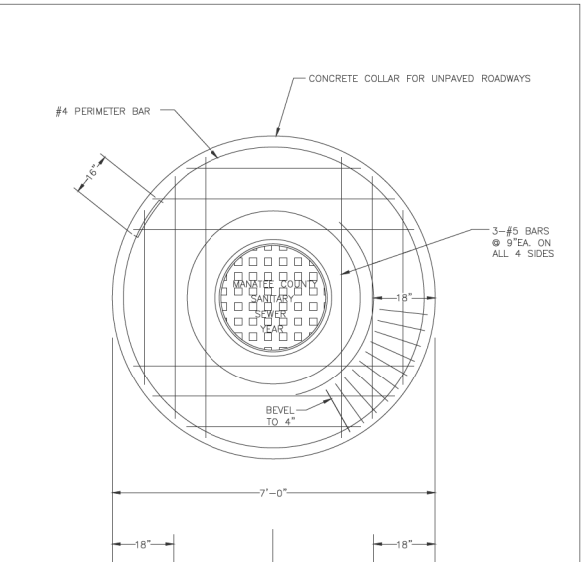
- NOTES:
1. DROP MANHOLES, MANHOLES WITH OPPOSING TURBULENT FLOW (DETAILS D & E), MANHOLES UPSTREAM OF A LEFT STATION WET WELL (SEE UG-25), MANHOLES WITH GRADIENT SEWERS GREATER THAN 12 INCHES IN DIAMETER, FORCE MAIN TERMINAL MANHOLE AND THE NEXT TWO DOWNSTREAM MANHOLES SHALL BE MADE OF POLYMER CONCRETE.
 2. MANHOLES SHALL HAVE A GASKETED BELL & SPIGOT OR TONGUE & GROOVE SMOOTH WALL JOINT DESIGN.
 3. ALL JOINTS SHALL MEET THE REQUIREMENTS OF ASTM C-443 AND ASTM C-990 FOR CONCRETE SEWER AND CULVERT PIPE USING RUBBER GASKETS AND FLEXIBLE JOINT SEALANTS.
 4. ALL FRP/STEEL REINFORCEMENT, MANHOLE RISERS, CONES, BASES, AND FLAT LIDS SHALL BE DESIGNED BY MANUFACTURER TO MEET LOADING REQUIREMENTS OF ASTM C-478, ASTM C-857, ACI 350, AND ACI 440.1R AS MODIFIED FOR POLYMER CONCRETE MANHOLES.

MANATEE COUNTY PUBLIC WORKS DEPARTMENT		STANDARD PRECAST POLYMER CONCRETE SANITARY SEWER MANHOLE FOR TURBULENT FLOW	US-3
REV.	DATE		
	SEPT 12, 2023		
	DATE OF APPROVAL		



- NOTES:
1. AIR RELEASE VALVES TO BE ABOVE-GROUND INSTALLATIONS, UNLESS IMPRACTICAL. INSTALLATIONS MAY BE BELOW-GROUND ONLY WHERE APPROVED AND SPECIFICALLY INDICATED ON THE PLAN.
 2. AIR RELEASE VALVES TO BE INSTALLED AT HIGH POINTS, OR WHERE AIR WOULD BE ENTRAPPED, ALONG 4" AND LARGER FORCE MAINS.
 3. GREATER THAN 12" AIR RELEASE VALVE TO BE DESIGNED SUCH THAT THE MINIMUM NUMBER OF REQUIRED AIR RELEASE VALVES ARE INSTALLED.
 4. ALL INCIDENTAL FITTINGS AND HARDWARE TO BE 316 STAINLESS STEEL.
 5. ALL PIPE THREADS TO BE SEALED AIR TIGHT.
 6. VENT PIPE TO BE LAID ACCURATELY ON SLOPE, WITHOUT HIGH OR LOW POINTS.
 7. CONCRETE PAD SHALL BE TYPE I CONCRETE W/ 3,000 P.S.I., 28 DAY COMPRESSIVE STRENGTH.
 8. ARV SHALL BE INSTALLED MINIMUM 6 FT FROM EDGE OF PAVEMENT, 10 FT MAXIMUM FROM BACK OF CURB; 4 FT MIN. MAY BE APPROVED BY UTILITIES IN SOME EXISTING AREAS.
 9. SEE UW-2 GATE VALVE, BOX, LID AND TAG STANDARD DETAIL. CENTERING COLLAR IS NOT REQUIRED ON 2" GATE VALVES.

MANATEE COUNTY PUBLIC WORKS DEPARTMENT		ABOVE-GROUND AIR RELEASE VALVE ASSY. FOR FORCE MAINS	US-12
REV.	DATE		
	SEPT 12, 2023		
	DATE OF APPROVAL		



- NOTES:
1. OMIT "MANATEE COUNTY" IF PRIVATELY MAINTAINED.
 2. PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE I, AND CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 P.S.I.

MANATEE COUNTY PUBLIC WORKS DEPARTMENT		MANHOLE COVER & CONCRETE COLLAR FOR UNPAVED ROADWAYS	US-13
REV.	DATE		
	SEPT 12, 2023		
	DATE OF APPROVAL		

UTILITY RELOCATION AND REVISION		10/14/25 SK	
No.	REVISIONS	DATE	BY

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
1800 SECOND STREET, SUITE 900, SARASOTA, FL 34236
PHONE: 941-379-7600
WWW.KIMLEY-HORN.COM

KHA PROJECT
148400070

DATE
10/14/2025

SCALE AS SHOWN

DESIGNED BY

DRAWN BY

CHECKED BY

MANATEE COUNTY
10/14/2025 9:08:20 PM
Default

9TH AVENUE NW

LICENSED PROFESSIONAL

JORDAN E. LEEP, P.E.

FL LICENSE NUMBER 76102














FL DATE:

UTILITY DETAIL SHEET (3)

145






SHEET NUMBER

△

Date:	4/03 -4/15/2025	Test Hole Data Report						Crew Members:		DO,BM,NM,NK								
ECHO Project #:	21-137	4803 George Road, Ste. 350 Tampa, Florida 33634 400 SR 434, Ste. 1024 Oviedo, Florida 32765		 UTILITY ENGINEERING & SURVEY		ECHO UES, Inc. www.echoues.com 888.778.ECHO - GROW, INSPIRE, MAKE A DIFFERENCE -		City, State:						Bradenton, FL				
Financial Project #:	20-TA003483CD							General Location:						9th Avenue				
Truck No.:	VT-1							Coordinate Unit of Measure:						US Survey Feet				
Utility Type			Utility Material			Identified By:			Abbreviations		Offset Measured From:							
BE = Buried Electrical			RCW = Reclaimed Water			AC = Transite			GALV = Galvanized Pipe			HUB = Survey Hub			N/A = Not Applicable		EP= Edge of Pavement	
GM = Gas Main			TS = Traffic Signal			CI= Cast Iron			HDPE = High Density Polyethylene Pipe			IRC = Iron Rod & Cap "ECHO TEST HOLE"			NAD = North American		BC = Back of Curb	
BT = Buried Telephone			SL = Street Light			CP = Concrete Pipe			PE = Polyethylene Pipe			NL = Nail & Disk "ECHO TEST HOLE"			Datum		BL = Baseline of Survey	
FOC = Fiber Optic Cable			IRR = Irrigation Line			DBC = Direct Buried Cable			PVC = Polyvinyl Chloride			SLEEVE = Sleeve			NAVD = North American		COORD = Survey Coordinates	
WM = Water Main			GS = Gas Service			CMP = Corrugated Metal Pipe			STL = Steel			X = "X" in Concrete			Vertical Datum		CL = Centerline	
SAN = Sanitary Sewer			WS = Water Service			CONC = Concrete			VCP = Vitrified Clay Pipe			Surface Type			UNK = Unknown		HUB = Survey Hub	
STM = Storm Sewer			UNK = Unknown Utility			CPP = Corrugated Plastic Pipe			PCCP = Prestressed Cylinder Concrete Pipe			ASPH = Asphalt			BL = Baseline		RW = Right of Way	
CATV = Cable Television			BED = Buried Electrical Duct			DCT = Duct			Pipe			CONC = Concrete					ST = Swing Ties	
FM = Force Main			BTD = Buried Telephone Duct			DIP = Ductile Iron Pipe			RCP = Reinforced Concrete Pipe			NG = Natural Ground					X = "X" in Concrete	
Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	 Utility Direction	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Datums:	Horizontal: NAD83/11		Ground Elevation	Utility Elevation			
												Vertical: NAVD88						
											Station	Offset	BL					
1	EXPLORATORY - NO UTILITIES FOUND - CLEARED TO 10'						NL	ASPH	2"	N/A		17+52.09	0.91' LT	87THST	7.44'	N/A		
1A	WS	PE	1"	1.36'	°		IRC	NG	N/A	MANATEE COUNTY	17+30.37	17.00' RT	87THST	7.59'	6.23'			
2	SAN	PVC	4"	3.78'			NL	ASPH	4"	MANATEE COUNTY	17+37.21	5.84' RT	87THST	7.80'	4.02'			
3	RCW	PVC	2"	3.86'	°		NL	ASPH	8"	MANATEE COUNTY	17+11.11	6.15' RT	87THST	7.96'	4.10'			
4	FM	HDPE	2"	3.56'	°		NL	ASPH	4"	MANATEE COUNTY	16+84.78	7.19' LT	87THST	8.19'	4.63'			
5	SAN	PVC	4"	7.82'			IRC	NG	N/A	MANATEE COUNTY	16+52.71	12.70' RT	87THST	8.27'	0.45'			
6	SAN	PVC	4"	5.02'			IRC	NG	N/A	MANATEE COUNTY	16+32.84	13.28' LT	87THST	8.65'	3.63'			
7	EXPLORATORY - NO UTILITIES FOUND - CLEARED TO 10'						IRC	NG	N/A	N/A		15+72.68	10.79' RT	87THST	8.71'	N/A		
8	RCW	PVC	2"	2.10'	°		IRC	NG	N/A	MANATEE COUNTY	15+67.24	13.65' RT	87THST	9.03'	6.93'			
9	WS	CI	1"	6.31'	°		IRC	NG	N/A	MANATEE COUNTY	15+53.10	12.60' RT	87THST	9.28'	2.97'			
Notes: TH# 3 - POSSIBLE 2" PVC; UNABLE TO VISUALLY VERIFY SIZE AND MATERIAL DUE TO WATER AND CAVE-IN.																		
TH# 5 - POSSIBLE 4" PVC; UNABLE TO VISUALLY VERIFY SIZE AND MATERIAL DUE TO WATER TABLE, DEPTH AND CAVE-IN.																		
TH# 6 - POSSIBLE 4" PVC; UNABLE TO VISUALLY VERIFY SIZE AND MATERIAL DUE TO WATER TABLE, DEPTH AND CAVE-IN.																		
TH# 9 - POSSIBLE 1" CI; UNABLE TO VISUALLY VERIFY SIZE AND MATERIAL DUE TO WATER TABLE, DEPTH AND CAVE-IN.																		
												Prepared by: EU/CM Date: 4/15/2025						
												Checked by: MA Date: 4/15/2025						

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 65C-004, F.A.C.

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Date:	4/03 -4/15/2025	Test Hole Data Report										Crew Members:		DO,BM,NM,NK	
ECHO Project #:	21-137	4803 George Road, Ste. 350 Tampa, Florida 33634 400 SR 434, Ste. 1024 Oviedo, Florida 32765		 UTILITY ENGINEERING & SURVEY		ECHO UES, Inc. www.echoues.com 888.778.ECHO - GROW, INSPIRE, MAKE A DIFFERENCE -		City, State: Bradenton, FL				General Location: 9th Avenue		Coordinate Unit of Measure: US Survey Feet	
Financial Project #:	20-TA003483CD														
Truck No.:	VT-1														
Utility Type		Utility Material				Identified By:		Abbreviations		Offset Measured From:					
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Test Hole	Utility Type	Utility Material	Utility Size Outside Diameter inches	Utility Manual Depth feet	Cross Sectional View	 Utility Direction	Identified By	Surface Type	Surface Thickness inches	Apparent Utility Owner	Datums:	Horizontal: NAD83/11		Ground Elevation	Utility Elevation
												Vertical: NAVD88			
											Station	Offset	BL		
18	RCW	DIP	12"	3.42'		↔	NL	ASPH	4"	MANATEE COUNTY	54+17.95	14.10' LT	9THAVE	13.93'	10.51'
19	UNK	CONC	UNK	2.22'		↔	NL	ASPH	4"	N/A	54+19.98	12.27' RT	9THAVE	14.14'	11.92'
20	FM	HDPE	2"	7.06'		↗	NL	ASPH	4"	MANATEE COUNTY	55+80.36	14.68' LT	9THAVE	15.30'	8.24'
Notes:												TH# 19 - UNABLE TO PERFORM TEST HOLE ON FM DUE TO CONCRETE DEBRIS/BELOW GROUND OBSTRUCTION OVER FM.			
												TH# 20 - POSSIBLE 2" HDPE; UNABLE TO VISUALLY VERIFY SIZE AND MATERIAL DUE TO DEPTH, WATER AND CAVE-IN.			
												Prepared by: EU/CM Date: 4/15/2025			
												Checked by: MA Date: 4/15/2025			

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