

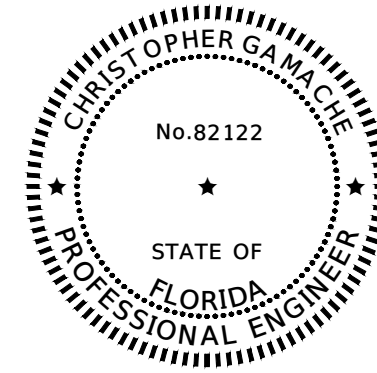
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HAMID R. FARAJI, PE  
 CARDNO  
 380 PARK PLACE BOULEVARD, SUITE 300  
 CLEARWATER, FL 33759  
 PHONE NUMBER: (727) 531-3505

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

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2A	SIGNATURE SHEET
3	SUMMARY OF PAY ITEMS
17 - 19	TYPICAL SECTIONS
24 - 25	TYPICAL DETAILS
26, 28-29	SUMMARY OF DRAINAGE STRUCTURES
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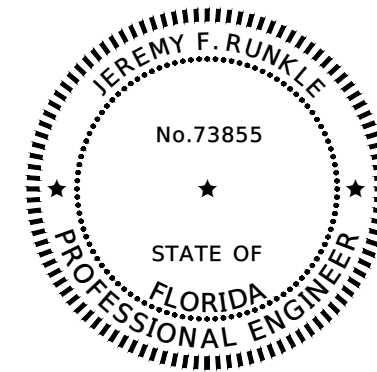
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CHRISTOPHER GAMACHE, PE  
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 PHONE NUMBER: (727) 531-3505

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SHEET NO.	SHEET DESCRIPTION
2A	SIGNATURE SHEET
81A	DRAINAGE STRUCTURE DETAILS



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JEREMY F. RUNKLE, PE  
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SHEET NO.	SHEET DESCRIPTION
2A	SIGNATURE SHEET
235 258 - 259 276 - 277 282 - 284 300 - 301 306 - 308	TEMPORARY TRAFFIC CONTROL PLANS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/2022	△ SHEET ADDED		

HAMID R. FARAJI, P.E.  
 P.E. LICENSE NUMBER 51581  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

MANATEE COUNTY	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

*SIGNATURE SHEET*

2A

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SUMMARY OF PAY ITEMS			
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY
101-1	MOBILIZATION	LS	1
102-1	MAINTENANCE OF TRAFFIC	LS	1
104-18	INLET PROTECTION SYSTEM	EA	5
104-10-3	SEDIMENT BARRIER	LF	22751
104-11	FLOATING TURBIDITY BARRIER	LF	1765
110-1-1	CLEARING AND GRUBBING	LS/AC	52
110-4-10	REMOVAL OF EXISTING CONCRETE	SY	5037
110-7-1	MAILBOX, F&I SINGLE	EA	21
120-1	REGULAR EXCAVATION	CY	140982.3
120-4	SUBSOIL EXCAVATION	CY	4500
120-6	EMBANKMENT	CY	66245
160-4	TYPE B STABILIZATION	SY	108959
285-701	OPTIONAL BASE, BASE GROUP 01, TYPE B-12.5 (CURB PAD)	SY	1018
285-709	OPTIONAL BASE, BASE GROUP 09	SY	88614
285-715	OPTIONAL BASE, BASE GROUP 15	SY	6286
327-70-19	MILLING EXISTING ASPH PAVEMENT, 3/4" AVERAGE DEPTH	SY	2494
327-70-6	MILLING EXISTING ASPH PAVEMENT, 1-1/2" AVERAGE DEPTH	SY	7965.0
334-1-13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C	TN	15538.0
337-7-25	ASPHALTIC CONCRETE FC, INC BIT, FC-5, PG 76-22	TN	100.0
337-7-81	ASPHALTIC CONCRETE FC, TRAFFIC B, FC-12.5, PG 76-22	TN	934.0
337-7-83	ASPHALTIC CONCRETE FC, TRAFFIC C, FC-12.5, PG 76-22	TN	7493.0
339-1	MISCELLANEOUS ASPHALT PAVEMENT	TN	5.6
400-2-11	CONCRETE CLASS 11, RETAINING WALLS	CY	10.4
415-1-3	REINFORCING STEEL - RETAINING WALLS	LB	962
425-1-201	INLETS, CURB, TYPE 9, <10'	EA	2
425-1-351	INLETS, CURB, TYPE P-5, <10'	EA	5
425-1-451	INLETS, CURB, TYPE J-5, <10'	EA	7
425-1-461	INLETS, CURB, TYPE J-6, <10'	EA	1
425-1-521	INLETS, DT BOT, TYPE C, <10'	EA	1
425-1-523	INLETS, DT BOT, TYPE C, J BOT, <10'	EA	52
425-1-531	INLETS, DT BOT, TYPE C MODIFIED-BACK OF SIDEWALK, <10'	EA	22
425-1-541	INLETS, DT BOT, TYPE D, <10'	EA	6
425-1-543	INLETS, DT BOT, TYPE D, J BOT, <10'	EA	3
425-1-581	INLETS, DT BOT, TYPE H, <10'	EA	1
425-2-71	MANHOLES, J-7, <10'	EA	8
425-2-91	MANHOLES, J-8, <10'	EA	10
430-175-115	PIPE CULV, OPT MATL, ROUND, 15" S/CD	LF	43
430-175-118	PIPE CULV, OPT MATL, ROUND, 18" S/CD	LF	4903
430-175-124	PIPE CULV, OPT MATL, ROUND, 24" S/CD	LF	3238
430-175-130	PIPE CULV, OPT MATL, ROUND, 30" S/CD	LF	1855
430-175-136	PIPE CULV, OPT MATL, ROUND, 36" S/CD	LF	2122
430-175-142	PIPE CULV, OPT MATL, ROUND, 42" S/CD	LF	2022
430-175-215	PIPE CULV, OPT MATL, OTHER SHAPE - ELIP/ARCH, 15" S/CD	LF	496
430-175-218	PIPE CULV, OPT MATL, OTHER SHAPE - ELIP/ARCH, 18" S/CD	LF	101
430-175-224	PIPE CULV, OPT MATL, OTHER SHAPE - ELIP/ARCH, 24" S/CD	LF	225
430-175-230	PIPE CULV, OPT MATL, OTHER SHAPE - ELIP/ARCH, 30" S/CD	LF	150
430-175-242	PIPE CULV, OPT MATL, OTHER SHAPE - ELIP/ARCH, 42" S/CD	LF	198
430-175-248	PIPE CULV, OPT MATL, OTHER SHAPE - ELIP/ARCH, 48" S/CD	LF	1362
430-175-260	PIPE CULV, OPT MATL, OTHER SHAPE - ELIP/ARCH, 60" S/CD	LF	160
430-200-25	FLARED END SECTION, CONCRETE, 18"	EA	1
430-536-100	STRAIGHT CONCRETE ENDWALLS, 36", SINGLE, 0 DEGREES, ROUND	EA	2
430-542-100	STRAIGHT CONCRETE ENDWALLS, 42", SINGLE, 0 DEGREES, ROUND	EA	1
430-530-102	STRAIGHT CONCRETE ENDWALLS, 30", SINGLE, 0 DEGREES, ELLIP	EA	2
430-530-110	STRAIGHT CONCRETE ENDWALLS, 30", SINGLE, 15 DEGREES, ROUND	EA	1

SUMMARY OF PAY ITEMS			
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY
430-530-120	STRAIGHT CONCRETE ENDWALLS, 30", SINGLE, 30 DEGREES, ROUND	EA	1
430-963-2	PVC PIPE FOR BACK OF SIDEWALK, NON STANDARD DIAMETER	LF	204
430-984-125	MITERED END SECTION, OPTIONAL ROUND, 18" SD	EA	1
430-984-129	MITERED END SECTION, OPTIONAL ROUND, 24" SD	EA	4
430-984-623	MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 15" SD	EA	10
430-984-624	MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 24" SD	EA	1
430-984-640	MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 42" SD	EA	1
430-984-641	MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 48" SD	EA	2
430-984-643	MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 60" SD	EA	2
440-1-50	UNDERDRAIN	LF	1475
515-1-1	PIPE HANDRAIL - GUIDERAIL, STEEL	LF	277
519-78	BOLLARDS	EA	14
520-1-10	CONCRETE CURB & GUTTER, TYPE F	LF	24269
520-2-1	CONCRETE CURB, TYPE A	LF	171
201.3	CONCRETE CURB, TYPE AB	LF	373
527-2	DETECTABLE WARNINGS	SF	844
550-10-222	FENCING TYRE B, 5-1-6-0 W/ VINYL COAT	LF	2550
550-60-623	FENCE GATE, TYPE B VINYL, DOUBLE, 12.1-18.0' OPENING	EA	1
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	SY	5943
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	SY	2579
536-1-1	GUARDRAIL (W-BEAM, GENERAL, TL-3)	LF	383
536-85-24	GUARDRAIL END TREATMENT- PARALLEL APPROACH TERMINAL	EA	2
570-1-2	PERFORMANCE TURF, SOD	SY	83746
	WETLAND MITIGATION PLANTING	LS	1

SHARED USE PATH			
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY
OPTION #1			
160-4	TYPE B STABILIZATION	SY	16578
285-701	OPTIONAL BASE, BASE GROUP 01, TYPE B-12.5	SY	12511
334-1-10	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC A	TN	1032.1
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	SY	200
OPTION #2			
160-4	TYPE B STABILIZATION	SY	16578
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	SY	12511

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/2022	PAY ITEM ADDED QUANTITIES UPDATED		

HAMID R. FARAJI, P.E.  
P.E. LICENSE NUMBER 51581  
CARDNO  
380 PARK PLACE BLVD, SUITE 300  
CLEARWATER, FLORIDA 33759  
CERTIFICATE OF AUTHORIZATION 29915

MANATEE COUNTY	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

SUMMARY OF PAY ITEMS	
SHEET NO.	
3	

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

**TYPICAL SECTION  
MOCCASIN WALLOW ROAD**

STA. 300+64.12 TO STA. 304+93.00

**TRAVEL LANES AND SHOULDER PAVEMENT  
(URBAN SECTION)**

OPTIONAL BASE GROUP 15 (TYPE B-12.5) WITH  
TYPE SP STRUCTURAL COURSE (TRAFFIC LEVEL C) (3")  
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")

**SHARED USE PATH (OPTION #1)**

OPTIONAL BASE GROUP 1 (TYPE B-12.5)  
TYPE SP STRUCTURAL COURSE (TRAFFIC A) (1 1/2")

**SHARED USE PATH (OPTION #2)**

4" REINFORCED CONCRETE (3,000 PSI @ 28 DAYS)  
WITH 6"x6" #10 MESH

STA. 304+93.00 TO STA. 386+09.87

**TRAVEL LANES AND SHOULDER PAVEMENT  
(URBAN SECTION)**

OPTIONAL BASE GROUP 9 WITH  
TYPE SP STRUCTURAL COURSE (TRAFFIC LEVEL C) (3")  
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")

**SHARED USE PATH (OPTION #1)**

OPTIONAL BASE GROUP 1 (TYPE B-12.5)  
TYPE SP STRUCTURAL COURSE (TRAFFIC A) (1 1/2")

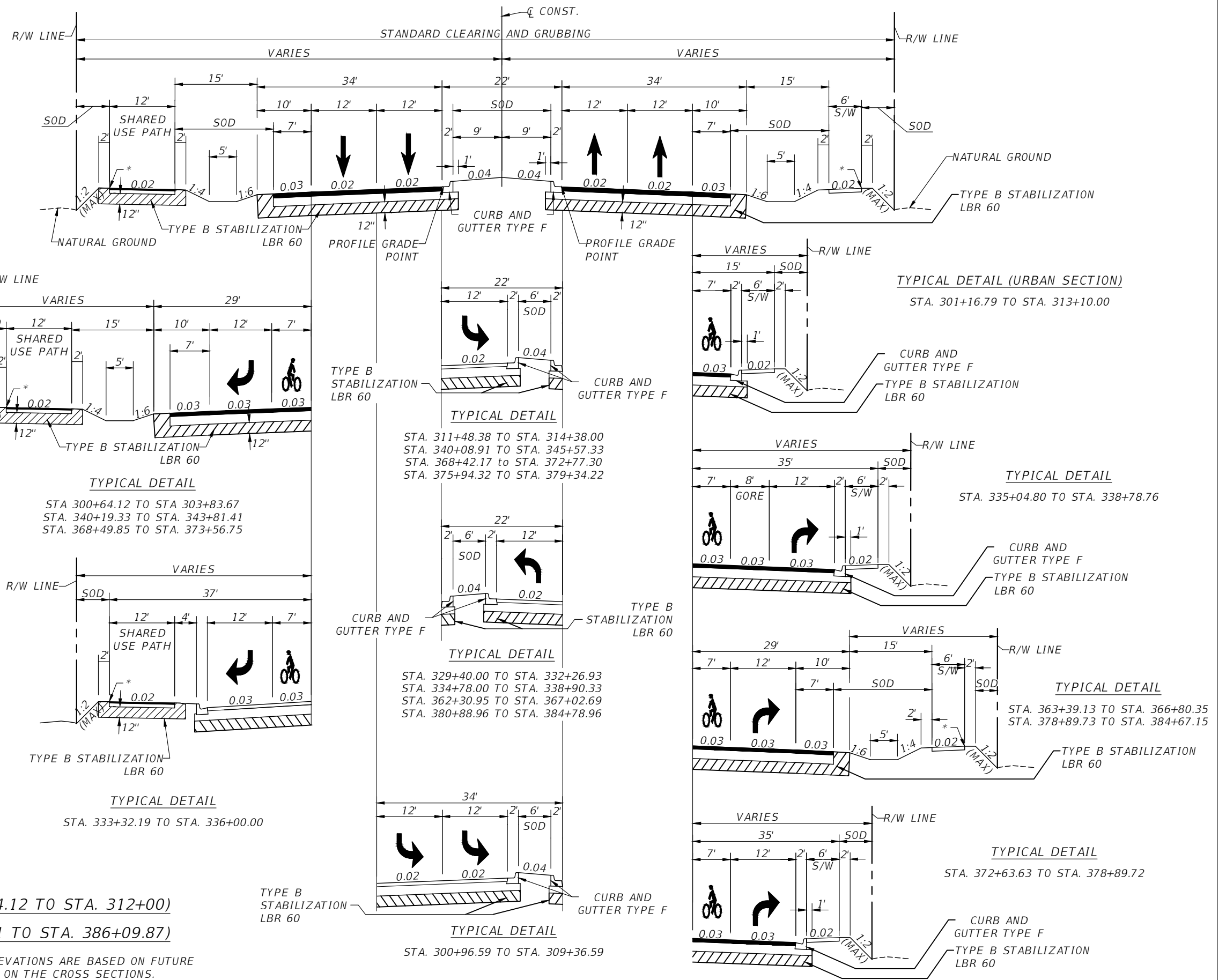
**SHARED USE PATH (OPTION #2)**

4" REINFORCED CONCRETE (3,000 PSI @ 28 DAYS)  
WITH 6"x6" #10 MESH

DESIGN SPEED = 40 MPH (STA. 300+64.12 TO STA. 312+00)

DESIGN SPEED = 45 MPH (STA. 312+01 TO STA. 386+09.87)

\*BACK OF SIDEWALK AND BACK OF SHARED USE PATH ELEVATIONS ARE BASED ON FUTURE URBAN TYPICAL SECTION. THESE ELEVATIONS ARE SHOWN ON THE CROSS SECTIONS.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/2022	CHANGE SHARED USE PATH THICKNESS		

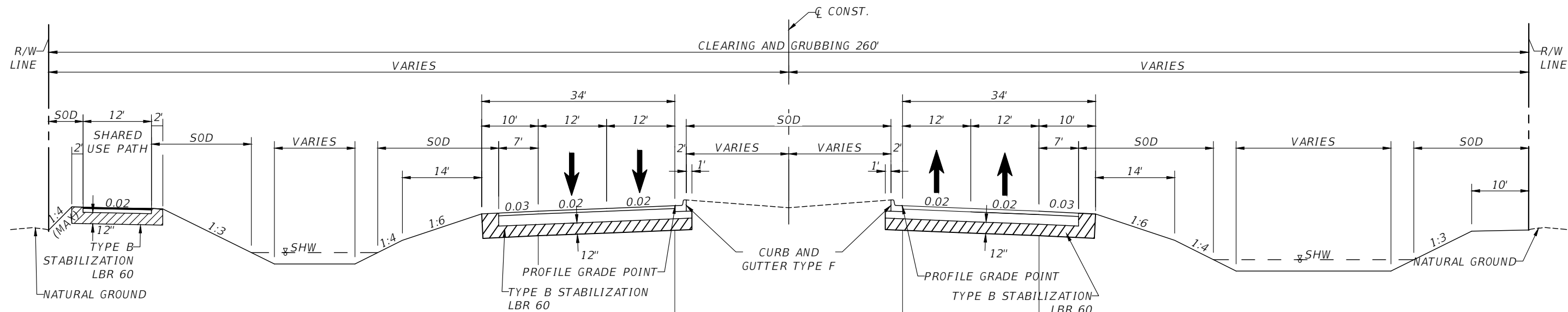
HAMID R. FARAJI, P.E.  
P.E. LICENSE NUMBER 51581  
CARDNO  
380 PARK PLACE BLVD, SUITE 300  
CLEARWATER, FLORIDA 33759  
CERTIFICATE OF AUTHORIZATION 29915

MANATEE COUNTY	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

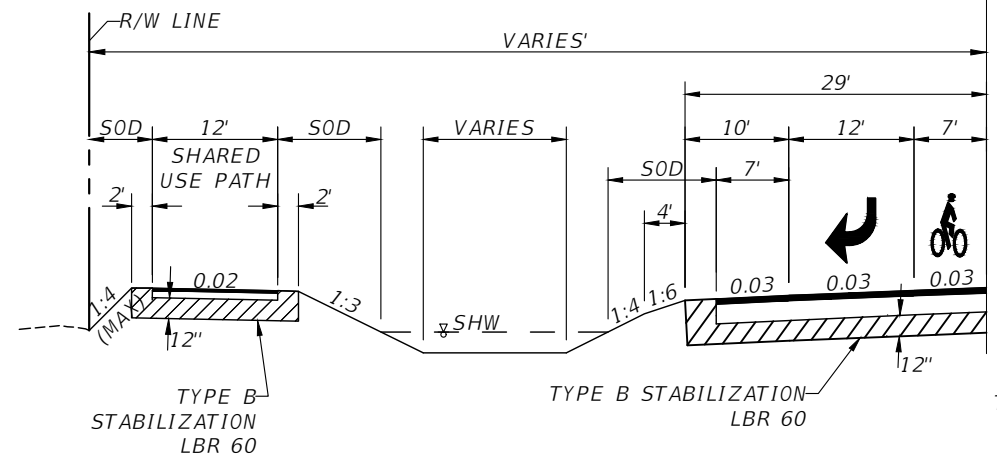
**TYPICAL SECTION (2)**

SHEET NO.  
17

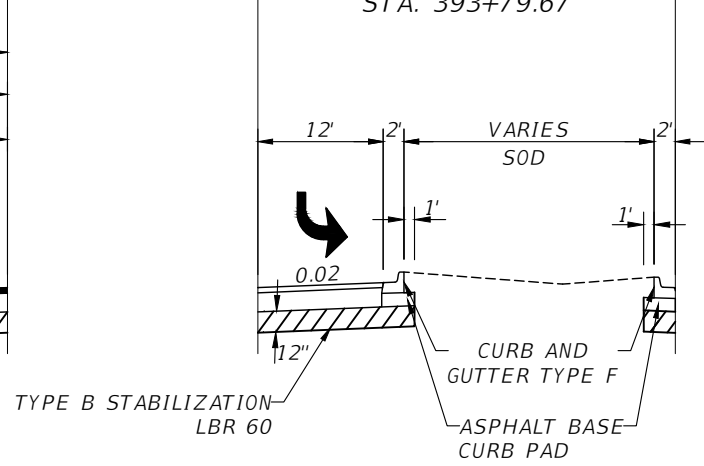
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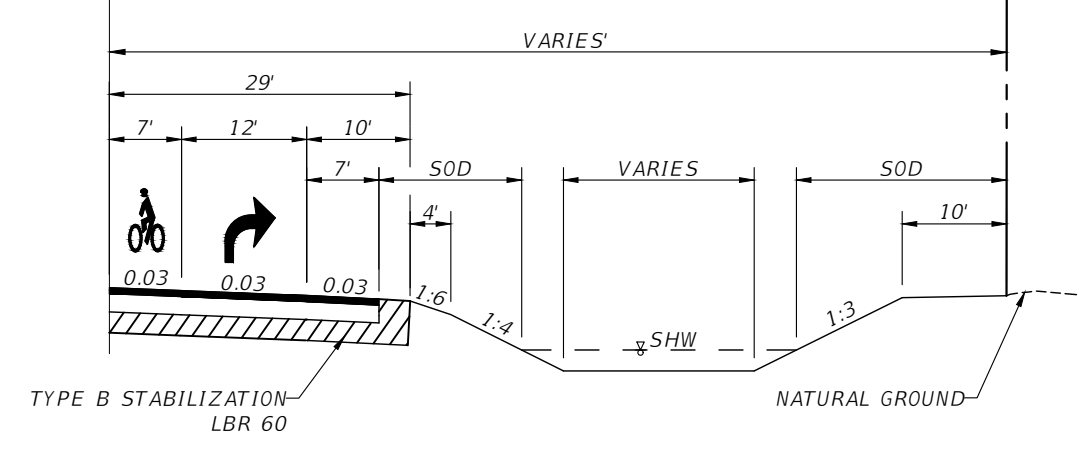
**TYPICAL SECTION  
MOCCASIN WALLOW ROAD**  
STA. 386+09.87 TO  
STA. 393+79.67



**TYPICAL DETAIL**  
STA. 386+29.84 TO STA. 393+79.67



**TYPICAL DETAIL**  
STA. 386+13.67 TO STA. 393+79.67



**TYPICAL DETAIL**  
STA. 389+00.83 TO STA. 391+91.62

**DESIGN SPEED = 45 MPH (STA. 386+09.87 TO STA. 393+79.67)**

**TRAVEL LANES AND SHOULDER PAVEMENT**

OPTIONAL BASE GROUP 9 WITH  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (3")  
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")

**SHARED USE PATH (OPTION #1)**

OPTIONAL BASE GROUP 1 (TYPE B-12.5)  
TYPE SP STRUCTURAL COURSE (TRAFFIC A) (1 1/2")

**SHARED USE PATH (OPTION #2)**

4" REINFORCED CONCRETE (3,000 PSI @ 28 DAYS)  
WITH 6"x6" #10 MESH

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/2022	CHANGE SHARED USE PATH THICKNESS		

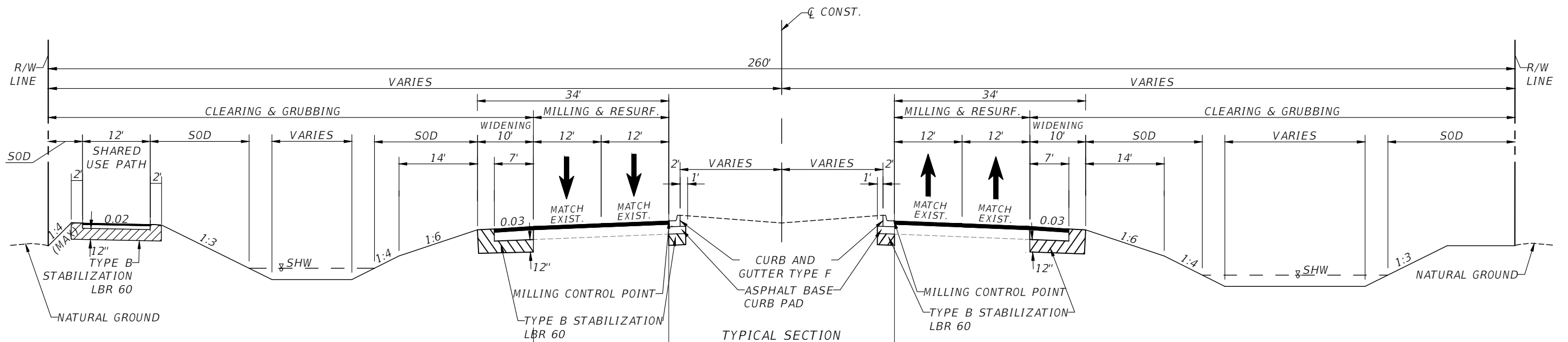
HAMID R. FARAJI, P.E.  
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<b>MANATEE COUNTY</b>	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

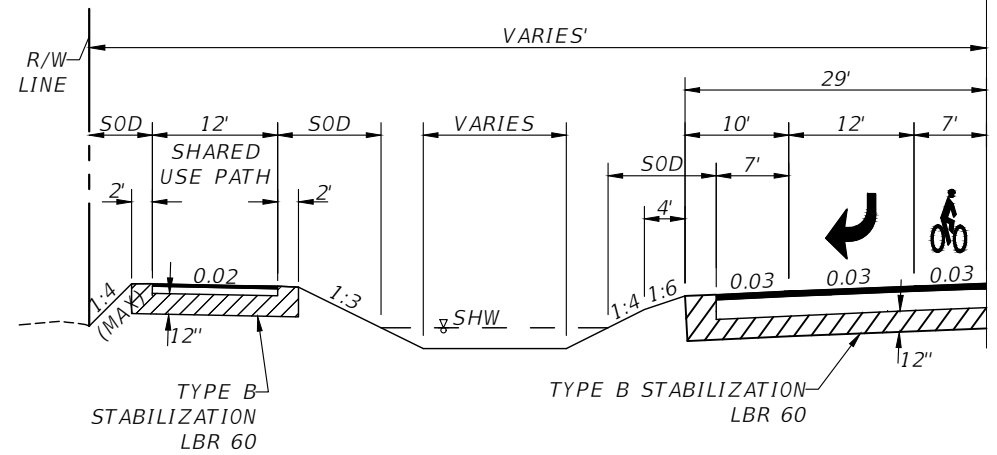
**TYPICAL SECTION (3)**

SHEET NO.  
**18**

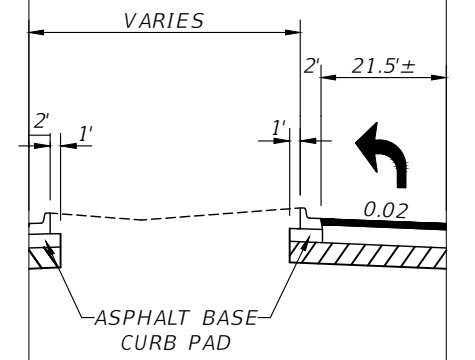
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TYPICAL SECTION  
MOCCASIN WALLOW ROAD  
STA. 393+79.67 TO STA. 402+42.59



TYPICAL DETAIL  
STA. 393+79.67 TO STA. 394+43.25



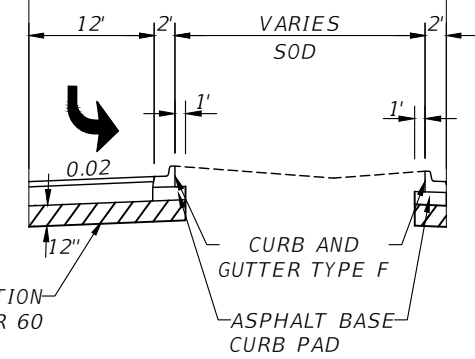
TYPICAL DETAIL  
STA. 395+62.81 TO STA. 401+32.23

MILL & RESURFACE  
MILL 1 1/2"  
RESURFACE W/ FRICTION COURSE FC-12.5 (TRAFFIC B) (1 1/2")

WIDENING AND SHOULDER PAVEMENT  
OPTIONAL BASE GROUP 9 WITH  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (3")  
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")

SHARED USE PATH (OPTION #1)  
OPTIONAL BASE GROUP 1 (TYPE B-12.5)  
TYPE SP STRUCTURAL COURSE (TRAFFIC A) (1 1/2")

SHARED USE PATH (OPTION #2)  
4" REINFORCED CONCRETE (3,000 PSI @ 28 DAYS)  
WITH 6"x6" #10 MESH

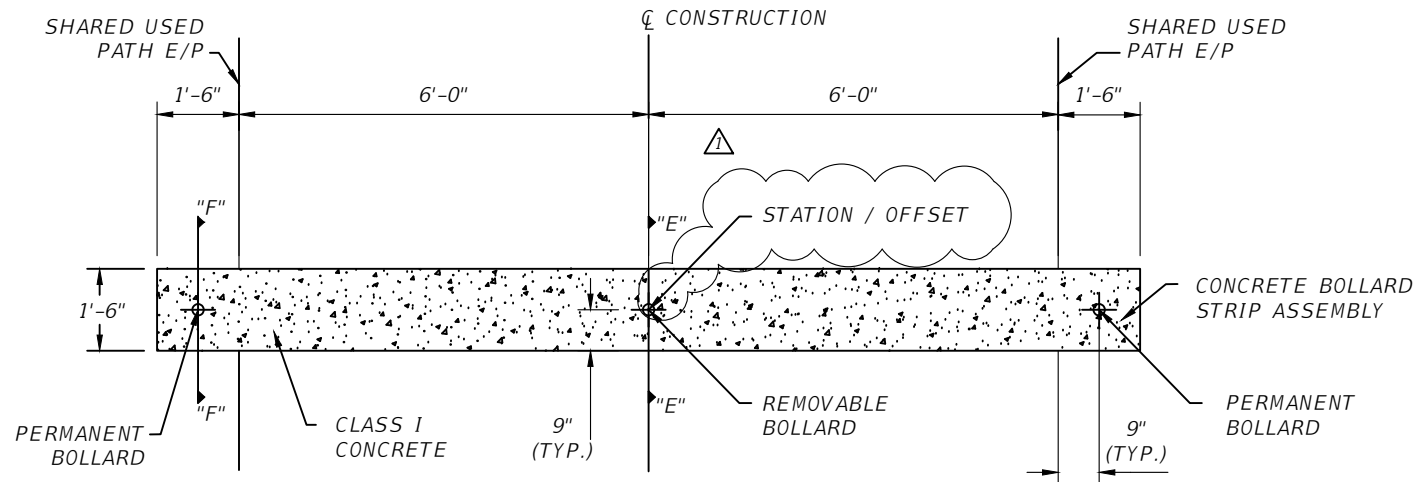


TYPICAL DETAIL  
STA. 393+79.67 TO STA. 395+48.97

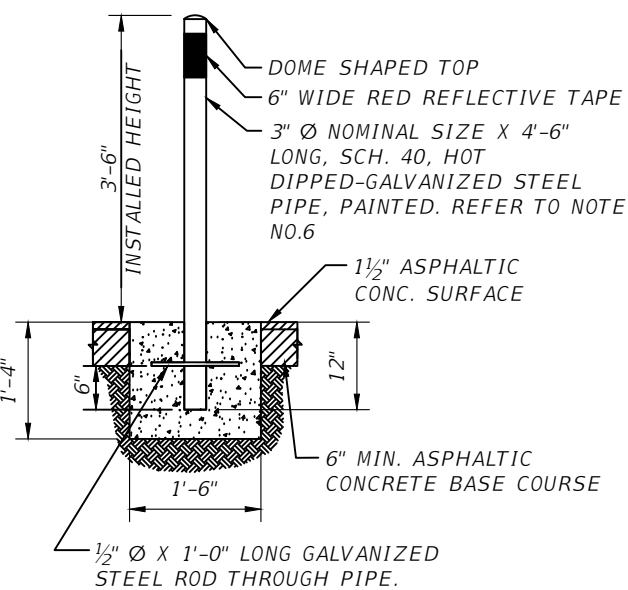
DESIGN SPEED = 45 MPH (STA. 393+79.67 TO STA. 402+42.59)

REVISIONS				HAMID R. FARAJI, P.E. P.E. LICENSE NUMBER 51581 CARDNO 380 PARK PLACE BLVD, SUITE 300 CLEARWATER, FLORIDA 33759 CERTIFICATE OF AUTHORIZATION 29915	MANATEE COUNTY		SHEET NO.  <b>TYPICAL SECTION (4)</b>  19
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	PROJECT ID	
07/11/2022	△ CHANGE SHARED USE PATH THICKNESS				MOCCASIN WALLOW RD	6092560	

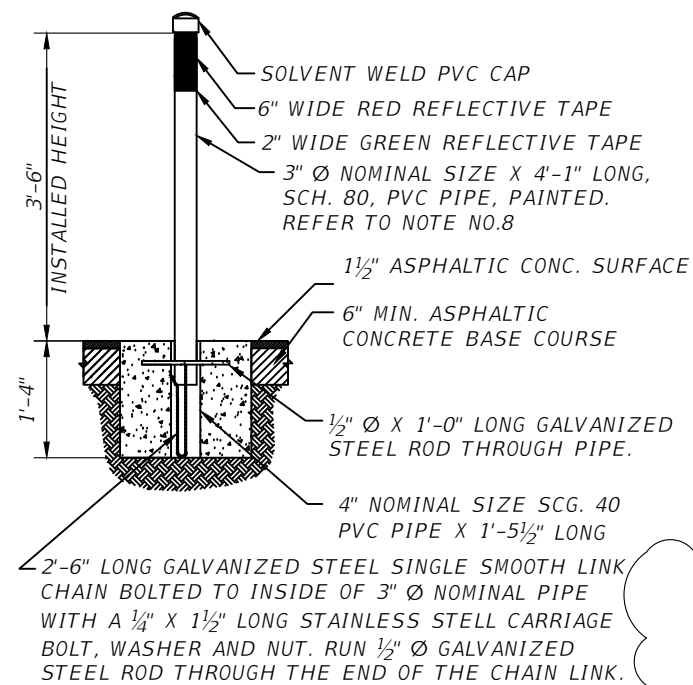
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**BOLLARD STRIP PLAN VIEW**  
NOT TO SCALE



**PERMANENT BOLLARD DETAIL "F"**  
NOT TO SCALE

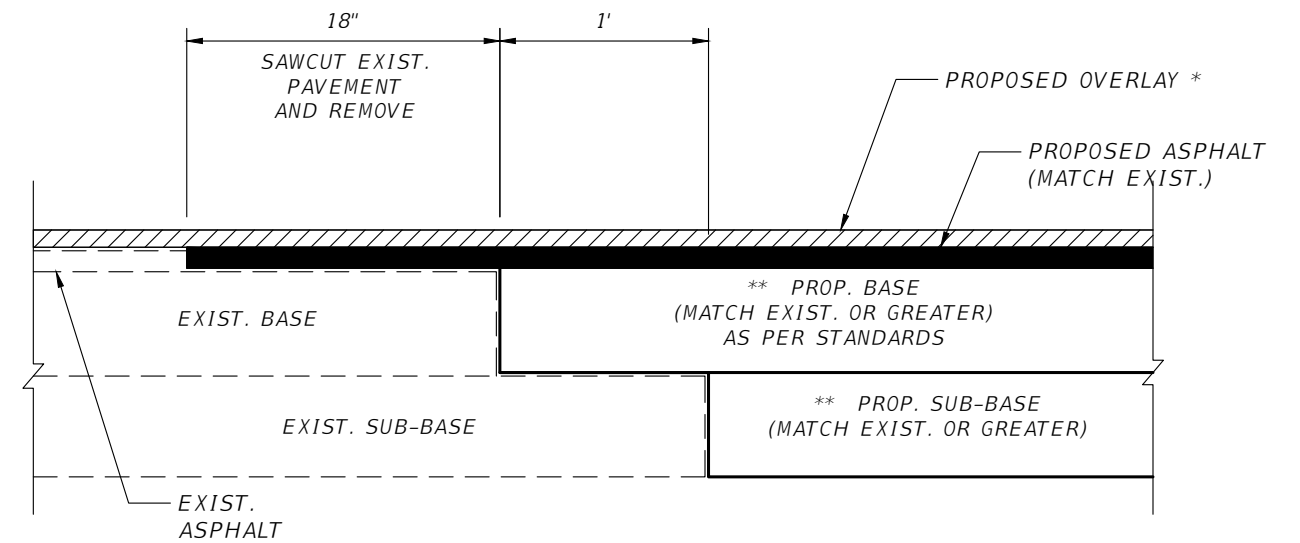


**REMOVABLE BOLLARD DETAIL "E"**  
NOT TO SCALE

**NOTES:**

1. ALL BOLLARDS CONSTRUCTED WITHIN THE CONCRETE BOLLARD ASSEMBLY ARE PAID FOR UNDER CONCRETE BOLLARD STRIP ASSEMBLY.
2. ALL BOLLARDS CONSTRUCTED OUTSIDE OF THE CONCRETE BOLLARD STRIP ASSEMBLY ARE PAID FOR UNDER A SEPARATE PAY ITEM UNLESS OTHERWISE NOTED.
3. TYPICAL SHARED USED PATH WIDTH IS 12 FEET; HOWEVER, SHARED USED PATH WIDTHS MAY VARY, WIDTH OF BOLLARD STRIP SHALL BE ADJUSTED TO FIT ACTUAL SHARED USED PATH WIDTH.
4. E/P REPRESENTS EDGE OF PAVEMENT
5. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO U.S DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
6. ALL SIGNAGE TO BE ERECTED ALONG SHARED USED PATH IS TO BE OFFSET 4' FROM EDGE OF PAVEMENT TO NEAREST EDGE OF SIGN AND 7' FROM THE PROPOSED GRADE TO THE BOTTOM OF THE SIGN.
7. 6" WIDE 3MTM PRESSURE SENSITIVE, HIGH-INTENSITY GRADE RED REFLECTIVE SHEETING, TO BE PLACED ON ALL BOLLARDS, OVERLAP ENDS OF SHEETING BY 1/4" MINIMUM.
8. CONTRACTOR SHALL USE DURABLE REFLECTIVE PAINT DESIGNED FOR APPLICATION ON PVC AND/OR STEEL COMPONENTS. SPECIFICATIONS OF PROPOSED PAINT SHALL BE SUBMITTED TO THE COUNTY FOR REVIEW AND APPROVAL PRIOR TO COMMENCEMENT OF PAINTING OPERATIONS. CONTRACTOR SHOULD PREPARE SURFACE ACCORDING TO MANUFACTURER'S DIRECTION.

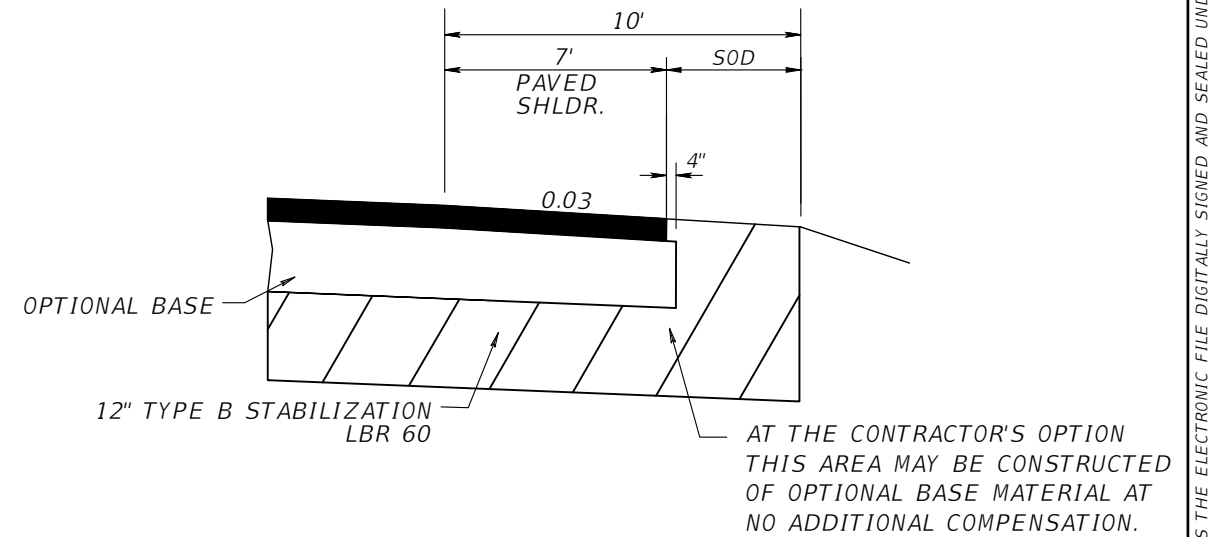
BOLLARD STRIP LOCATION	
STATION	OFFSET
301+30.00	66.00 LT.
312+33.67	58.77 LT.
313+63.08	58.67 LT.
331+92.00	66.00 LT.
333+55.00	66.00 LT.
338+73.00	66.00 LT.
340+27.82	76.67 LT.
352+51.38	60.70 LT.
353+85.21	60.69 LT.
366+82.70	70.36 LT.
368+65.34	76.19 LT.
384+64.03	68.46 LT.
386+29.63	85.60 LT.
400+62.62	69.61 LT.



**ROAD CONNECTION DETAIL**

\* NOTE: LIMITS OF OVERLAY - EDGE OF PAVEMENT TO EDGE OF PAVEMENT AND 25' BEYOND LIMITS OF CONSTRUCTION.

\*\* NOTE: CONNECTION TO OLDER (SUBSTANDARD THICKNESS) ROADS MAY REQUIRE THICKER PROPOSED BASE AND SUB-BASE TO MEET CURRENT STANDARDS.



**SHOULDER PAVEMENT DETAIL**

**SHOULDER PAVEMENT**

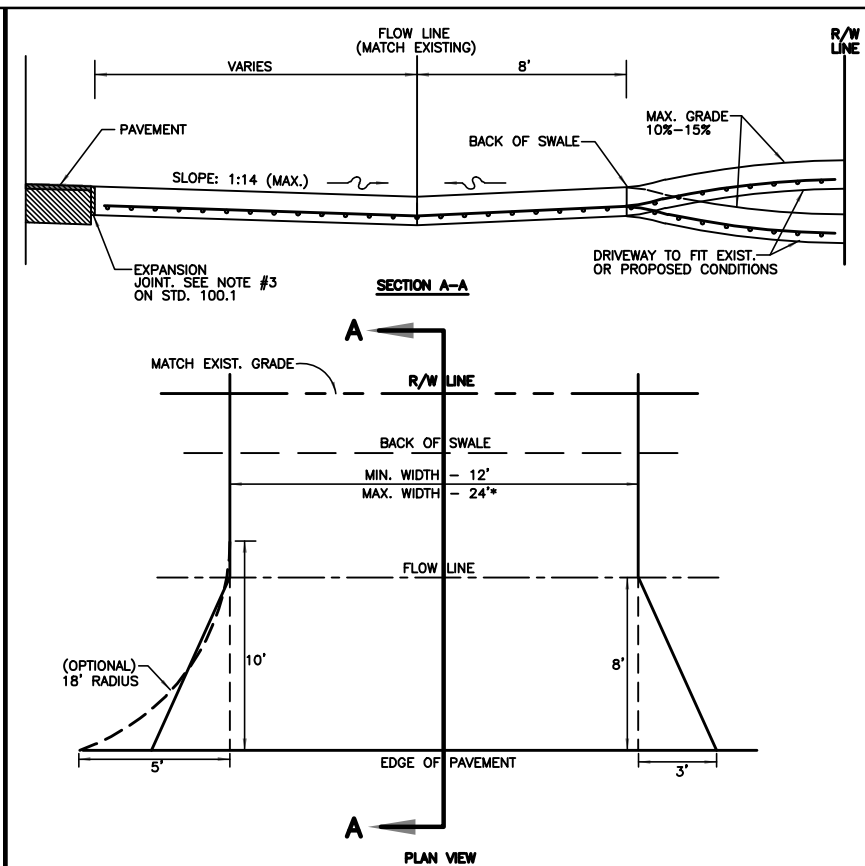
OPTIONAL BASE GROUP 9  
TYPE SP STRUCTURAL COURSE (TRAFFIC LEVEL C) (3")  
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2")

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/2022	▲ BOLLARDS LOCATION TABLE ADDED		

HAMID R. FARAJI, P.E.  
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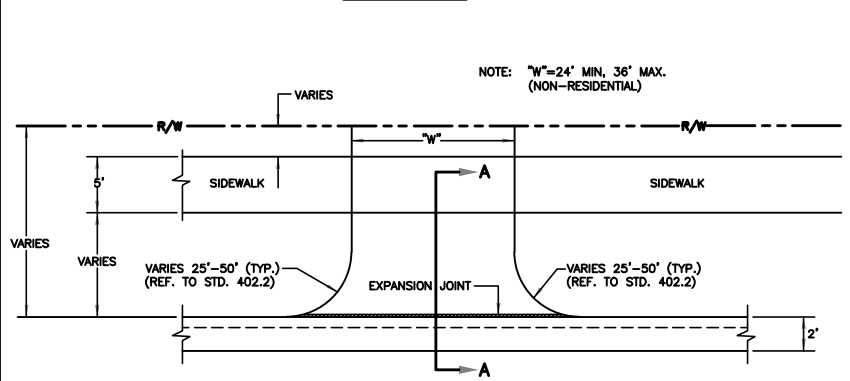
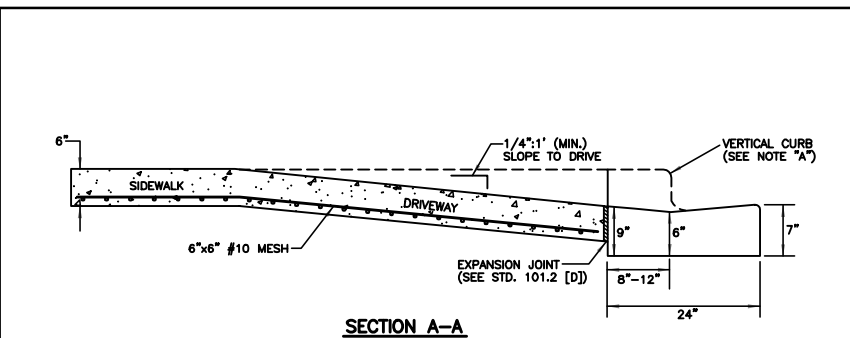
MANATEE COUNTY	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

TYPICAL DETAILS (1)	
SHEET NO.	
24	



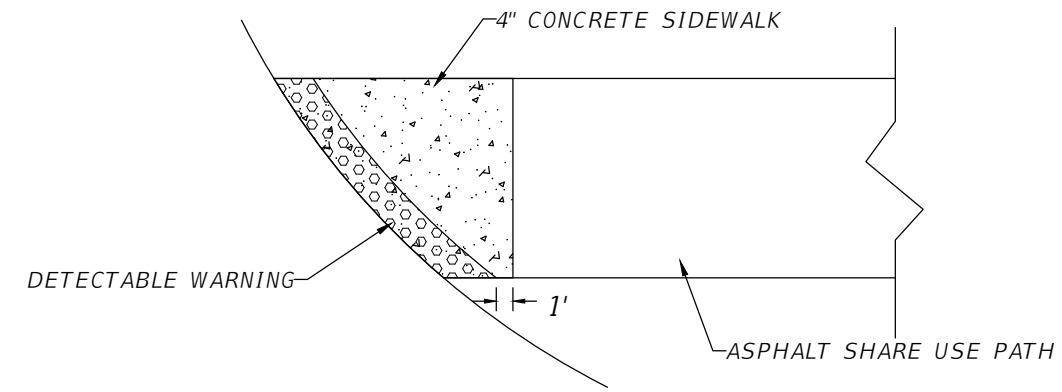
- \* For driveways that can demonstrate the need for additional width, the width may not be greater than the LESSER of:
- 30' total at the R/W line
  - 30% of the front footage as defined on the survey (or field measurements, 36' max.)
- (A) CONSTRUCT WITH 6" REINFORCED CONCRETE (3,000 psi @ 28 DAYS) WITH 6"x6" #10 MESH FROM EDGE OF PAVEMENT TO THE RIGHT-OF-WAY LINE.  
 (B) DRIVEWAYS ADJACENT TO A PAVED ROADWAY MUST HAVE THE APRON CONSTRUCTED IN COMPLIANCE WITH THE NOTE (A) ABOVE.  
 (C) EXISTING DRAINAGE FLOWLINE TO BE MAINTAINED. PIPING MAY BE REQUIRED AT THE COUNTY'S DISCRETION.  
 (D) 3'x8' FLARED APRON IS MINIMAL, OR 18' RADIUS.  
 (E) ENGINEERING DIVISION MANAGER MAY APPROVE THE USE OF A SWALE DRIVE, IF ON-SITE CONDITIONS ARE FAVORABLE

<b>MANATEE COUNTY</b> TRANSPORTATION DEPARTMENT		<b>RURAL RESIDENTIAL (SWALE DRIVE)</b>	<b>101.0</b>
REV. BY	DATE		
	6/12/07		
DATE OF B.O.C.C. APPROVAL			



- A) IF REPLACING VERTICAL CURB AND GUTTER, REPLACE WITH MIAMI CURB AND GUTTER.  
 \* NO CHANGE WITH 3' VALLEY CROSSING
- B) SIDEWALK, CONSTRUCT WITH 6" CONCRETE, 6"x6" #10 MESH, 3000 PSI AT 28 DAYS.
- C) DRIVEWAY CONSTRUCTED WITH 6" CONCRETE WITH 6"x6" #10 MESH, 3000 PSI AT 28 DAYS.
- D) EXPANSION JOINT 1/2" PREFORMED JOINT FILLER PER FDOT SECTION 932-1.1 OR APPROVED ALTERNATE.  
 \* IF DRIVE IS WIDER THAN 12', ADD JOINTS AT 10' CENTERS
- E) 5' SIDEWALK ON LOCAL STREETS, 5' SIDEWALK ON THOROUGHFARES.  
 (MIXED USE PATHS MAY REQUIRE 8' SIDEWALKS PER LAND DEVELOPMENT CODE.)

<b>MANATEE COUNTY</b> TRANSPORTATION DEPARTMENT		<b>COMMERCIAL &amp; INDUSTRIAL DRIVE</b>	<b>101.3</b>
REV. BY	DATE		
	6/12/07		
DATE OF B.O.C.C. APPROVAL			



DETECTABLE WARNING DETAIL FOR  
 SHARE USE PATH OPTION #1 (ASPHALT)  
 NOT TO SCALE

<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>07/11/2022</td> <td>△ DETECTABLE WARNING DETAIL ADDED</td> <td></td> <td></td> </tr> </tbody> </table>				REVISIONS				DATE	DESCRIPTION	DATE	DESCRIPTION	07/11/2022	△ DETECTABLE WARNING DETAIL ADDED			HAMID R. FARAJI, P.E. P.E. LICENSE NUMBER 51581 CARDNO 380 PARK PLACE BLVD, SUITE 300 CLEARWATER, FLORIDA 33759 CERTIFICATE OF AUTHORIZATION 29915		<b>MANATEE COUNTY</b> ROAD NO. PROJECT ID MOCCASIN WALLOW RD 6092560		<b>TYPICAL DETAILS (2)</b> SHEET NO. 25	
REVISIONS																					
DATE	DESCRIPTION	DATE	DESCRIPTION																		
07/11/2022	△ DETECTABLE WARNING DETAIL ADDED																				

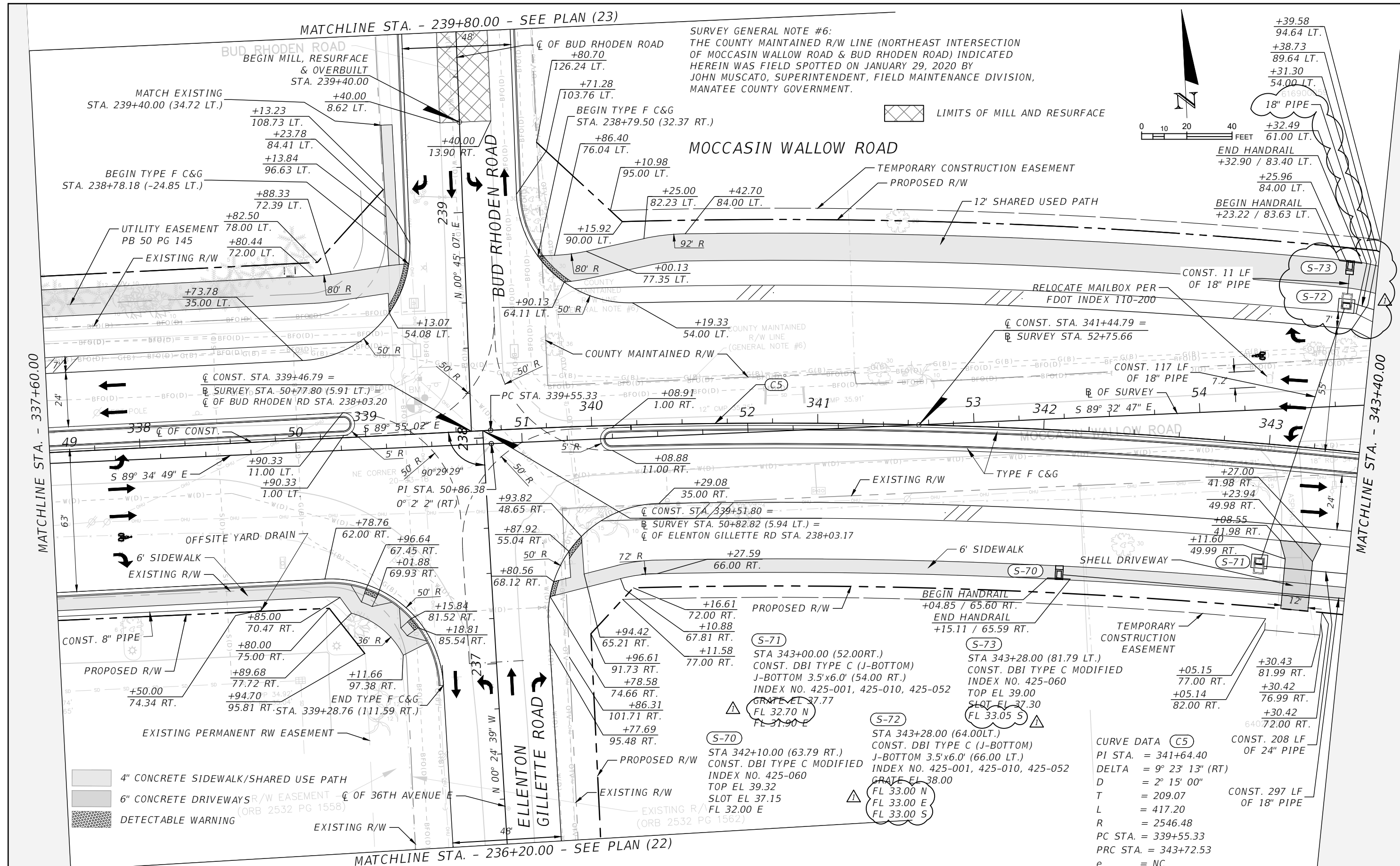
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.





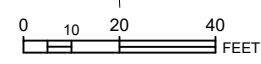






SURVEY GENERAL NOTE #6:  
 THE COUNTY MAINTAINED R/W LINE (NORTHEAST INTERSECTION  
 OF MOCCASIN WALLOW ROAD & BUD RHODEN ROAD) INDICATED  
 HEREIN WAS FIELD SPOTTED ON JANUARY 29, 2020 BY  
 JOHN MUSCATO, SUPERINTENDENT, FIELD MAINTENANCE DIVISION,  
 MANATEE COUNTY GOVERNMENT.

LIMITS OF MILL AND RESURFACE



+39.58  
 94.64 LT.  
 +38.73  
 89.64 LT.  
 +31.30  
 54.00 LT.  
 18" PIPE  
 +32.49  
 61.00 LT.  
 END HANDRAIL  
 +32.90 / 83.40 LT.  
 +25.96  
 84.00 LT.  
 BEGIN HANDRAIL  
 +23.22 / 83.63 LT.

CONST. 11 LF  
 OF 18" PIPE  
 (S-73)  
 (S-72)

CONST. 117 LF  
 OF 18" PIPE  
 OF SURVEY 54

+27.00  
 41.98 RT.  
 +23.94  
 49.98 RT.  
 +08.55  
 41.98 RT.  
 +11.60  
 49.99 RT.

BEGIN HANDRAIL  
 +04.85 / 65.60 RT.  
 END HANDRAIL  
 +15.11 / 65.59 RT.

(S-71)  
 STA 343+00.00 (52.00RT.)  
 CONST. DBI TYPE C (J-BOTTOM)  
 J-BOTTOM 3.5'x6.0' (54.00 RT.)  
 INDEX NO. 425-001, 425-010, 425-052  
 GRATE EL 37.77  
 FL 32.70 N  
 FL 31.90 E

(S-73)  
 STA 343+28.00 (81.79 LT.)  
 CONST. DBI TYPE C MODIFIED  
 INDEX NO. 425-060  
 TOP EL 39.00  
 SLOT EL 37.30  
 FL 33.05 S

(S-72)  
 STA 343+28.00 (64.00LT.)  
 CONST. DBI TYPE C (J-BOTTOM)  
 J-BOTTOM 3.5'x6.0' (66.00 LT.)  
 INDEX NO. 425-001, 425-010, 425-052  
 GRATE EL 38.00  
 FL 33.00 N  
 FL 33.00 E  
 FL 33.00 S

CURVE DATA (C5)  
 PI STA. = 341+64.40  
 DELTA = 9° 23' 13" (RT)  
 D = 2° 15' 00"  
 T = 209.07  
 L = 417.20  
 R = 2546.48  
 PC STA. = 339+55.33  
 PRC STA. = 343+72.53  
 e = NC

+05.15  
 77.00 RT.  
 +05.14  
 82.00 RT.  
 +30.43  
 81.99 RT.  
 +30.42  
 76.99 RT.  
 +30.42  
 640.72.00 RT.  
 CONST. 208 LF  
 OF 24" PIPE

CONST. 297 LF  
 OF 18" PIPE

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
07/11/2022	△		DRAINAGE CHANGES DUE TO EXIST UTILITY

HAMID R. FARAJI, P.E.  
 P.E. LICENSE NUMBER 51581  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

<b>MANATEE COUNTY</b>	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

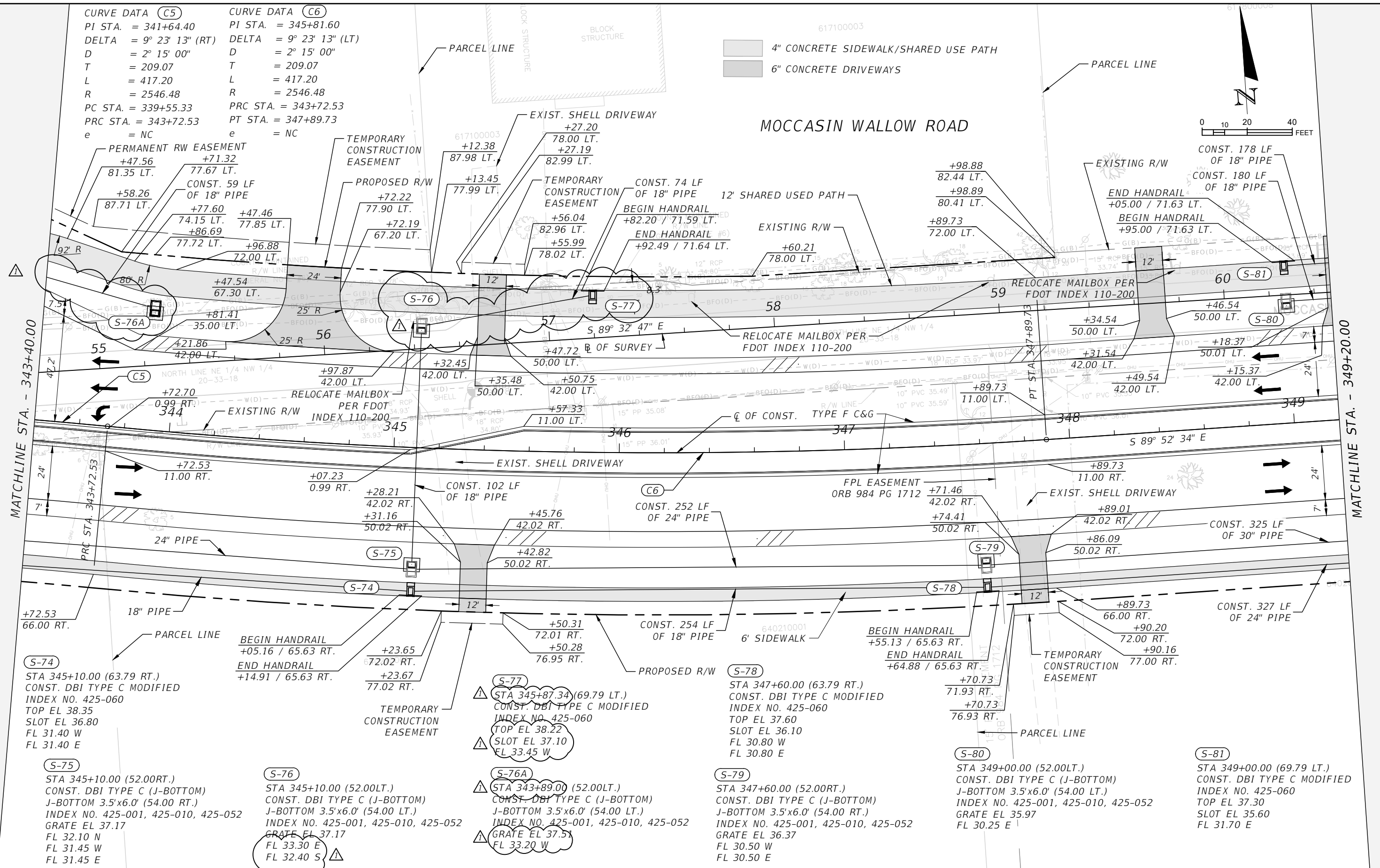
**PLAN (9)**

SHEET NO.  
 43

CURVE DATA (C5) CURVE DATA (C6)  
 PI STA. = 341+64.40 PI STA. = 345+81.60  
 DELTA = 9° 23' 13" (RT) DELTA = 9° 23' 13" (LT)  
 D = 2° 15' 00" D = 2° 15' 00"  
 T = 209.07 T = 209.07  
 L = 417.20 L = 417.20  
 R = 2546.48 R = 2546.48  
 PC STA. = 339+55.33 PRC STA. = 343+72.53  
 PRC STA. = 343+72.53 PT STA. = 347+89.73  
 e = NC e = NC

4" CONCRETE SIDEWALK/SHARED USE PATH  
 6" CONCRETE DRIVEWAYS

0 10 20 40 FEET



MATCHLINE STA. - 343+40.00

MATCHLINE STA. - 349+20.00

(S-74)  
 STA 345+10.00 (63.79 RT.)  
 CONST. DBI TYPE C MODIFIED  
 INDEX NO. 425-060  
 TOP EL 38.35  
 SLOT EL 36.80  
 FL 31.40 W  
 FL 31.40 E

(S-75)  
 STA 345+10.00 (52.00RT.)  
 CONST. DBI TYPE C (J-BOTTOM)  
 J-BOTTOM 3.5'x6.0' (54.00 RT.)  
 INDEX NO. 425-001, 425-010, 425-052  
 GRATE EL 37.17  
 FL 32.10 N  
 FL 31.45 W  
 FL 31.45 E

(S-76)  
 STA 345+10.00 (52.00LT.)  
 CONST. DBI TYPE C (J-BOTTOM)  
 J-BOTTOM 3.5'x6.0' (54.00 LT.)  
 INDEX NO. 425-001, 425-010, 425-052  
 GRATE EL 37.17  
 FL 33.30 E  
 FL 32.40 S

(S-77)  
 STA 345+87.34 (69.79 LT.)  
 CONST. DBI TYPE C MODIFIED  
 INDEX NO. 425-060  
 TOP EL 38.22  
 SLOT EL 37.10  
 FL 33.45 W

(S-76A)  
 STA 343+89.00 (52.00LT.)  
 CONST. DBI TYPE C (J-BOTTOM)  
 J-BOTTOM 3.5'x6.0' (54.00 LT.)  
 INDEX NO. 425-001, 425-010, 425-052  
 GRATE EL 37.53  
 FL 33.20 W

(S-78)  
 STA 347+60.00 (63.79 RT.)  
 CONST. DBI TYPE C MODIFIED  
 INDEX NO. 425-060  
 TOP EL 37.60  
 SLOT EL 36.10  
 FL 30.80 W  
 FL 30.80 E

(S-79)  
 STA 347+60.00 (52.00RT.)  
 CONST. DBI TYPE C (J-BOTTOM)  
 J-BOTTOM 3.5'x6.0' (54.00 RT.)  
 INDEX NO. 425-001, 425-010, 425-052  
 GRATE EL 36.37  
 FL 30.50 W  
 FL 30.50 E

(S-80)  
 STA 349+00.00 (52.00LT.)  
 CONST. DBI TYPE C (J-BOTTOM)  
 J-BOTTOM 3.5'x6.0' (54.00 LT.)  
 INDEX NO. 425-001, 425-010, 425-052  
 GRATE EL 35.97  
 FL 30.25 E

(S-81)  
 STA 349+00.00 (69.79 LT.)  
 CONST. DBI TYPE C MODIFIED  
 INDEX NO. 425-060  
 TOP EL 37.30  
 SLOT EL 35.60  
 FL 31.70 E

REVISIONS	
DATE	DESCRIPTION
07/11/2022	△ DRAINAGE CHANGES DUE TO EXIST UTILITY

HAMID R. FARAJI, P.E.  
 P.E. LICENSE NUMBER 51581  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

MANATEE COUNTY	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

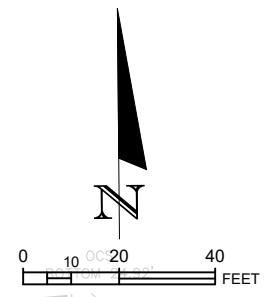
PLAN (10)

SHEET NO.  
44

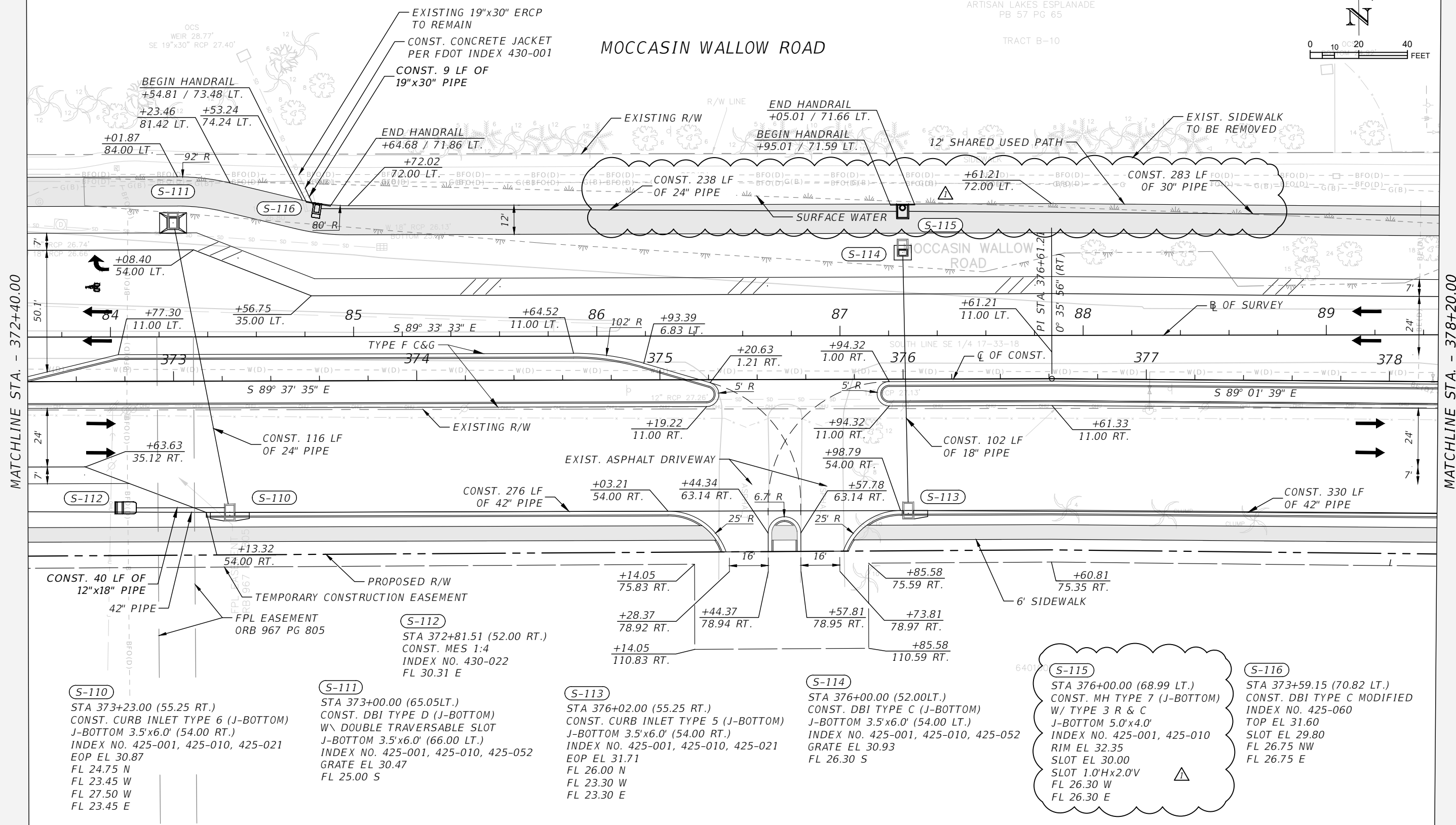
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4" CONCRETE SIDEWALK/SHARED USE PATH  
 6" CONCRETE DRIVEWAYS

ARTISAN LAKES ESPLANADE  
 PB 57 PG 65  
 TRACT B-10



MOCCASIN WALLOW ROAD



MATCHLINE STA. - 372+40.00

MATCHLINE STA. - 378+20.00

**S-110**  
 STA 373+23.00 (55.25 RT.)  
 CONST. CURB INLET TYPE 6 (J-BOTTOM)  
 J-BOTTOM 3.5'x6.0' (54.00 RT.)  
 INDEX NO. 425-001, 425-010, 425-021  
 EOP EL 30.87  
 FL 24.75 N  
 FL 23.45 W  
 FL 27.50 W  
 FL 23.45 E

**S-111**  
 STA 373+00.00 (65.05 LT.)  
 CONST. DBI TYPE D (J-BOTTOM)  
 W\ DOUBLE TRAVERSABLE SLOT  
 J-BOTTOM 3.5'x6.0' (66.00 LT.)  
 INDEX NO. 425-001, 425-010, 425-052  
 GRATE EL 30.47  
 FL 25.00 S

**S-113**  
 STA 376+02.00 (55.25 RT.)  
 CONST. CURB INLET TYPE 5 (J-BOTTOM)  
 J-BOTTOM 3.5'x6.0' (54.00 RT.)  
 INDEX NO. 425-001, 425-010, 425-021  
 EOP EL 31.71  
 FL 26.00 N  
 FL 23.30 W  
 FL 23.30 E

**S-114**  
 STA 376+00.00 (52.00 LT.)  
 CONST. DBI TYPE C (J-BOTTOM)  
 J-BOTTOM 3.5'x6.0' (54.00 LT.)  
 INDEX NO. 425-001, 425-010, 425-052  
 GRATE EL 30.93  
 FL 26.30 S

**S-115**  
 STA 376+00.00 (68.99 LT.)  
 CONST. MH TYPE 7 (J-BOTTOM)  
 W/ TYPE 3 R & C  
 J-BOTTOM 5.0'x4.0'  
 INDEX NO. 425-001, 425-010  
 RIM EL 32.35  
 SLOT EL 30.00  
 SLOT 1.0'Hx2.0'V  
 FL 26.30 W  
 FL 26.30 E

**S-116**  
 STA 373+59.15 (70.82 LT.)  
 CONST. DBI TYPE C MODIFIED  
 INDEX NO. 425-060  
 TOP EL 31.60  
 SLOT EL 29.80  
 FL 26.75 NW  
 FL 26.75 E

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/2022	▲ DRAINAGE STRUCTURE TYPE CHANGED		

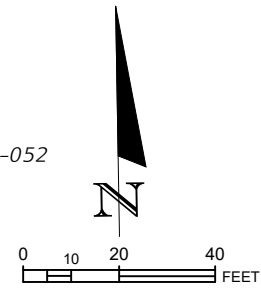
HAMID R. FARAJI, P.E.  
 P.E. LICENSE NUMBER 51581  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

<b>MANATEE COUNTY</b>	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

PLAN (15)

SHEET NO.  
 49

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



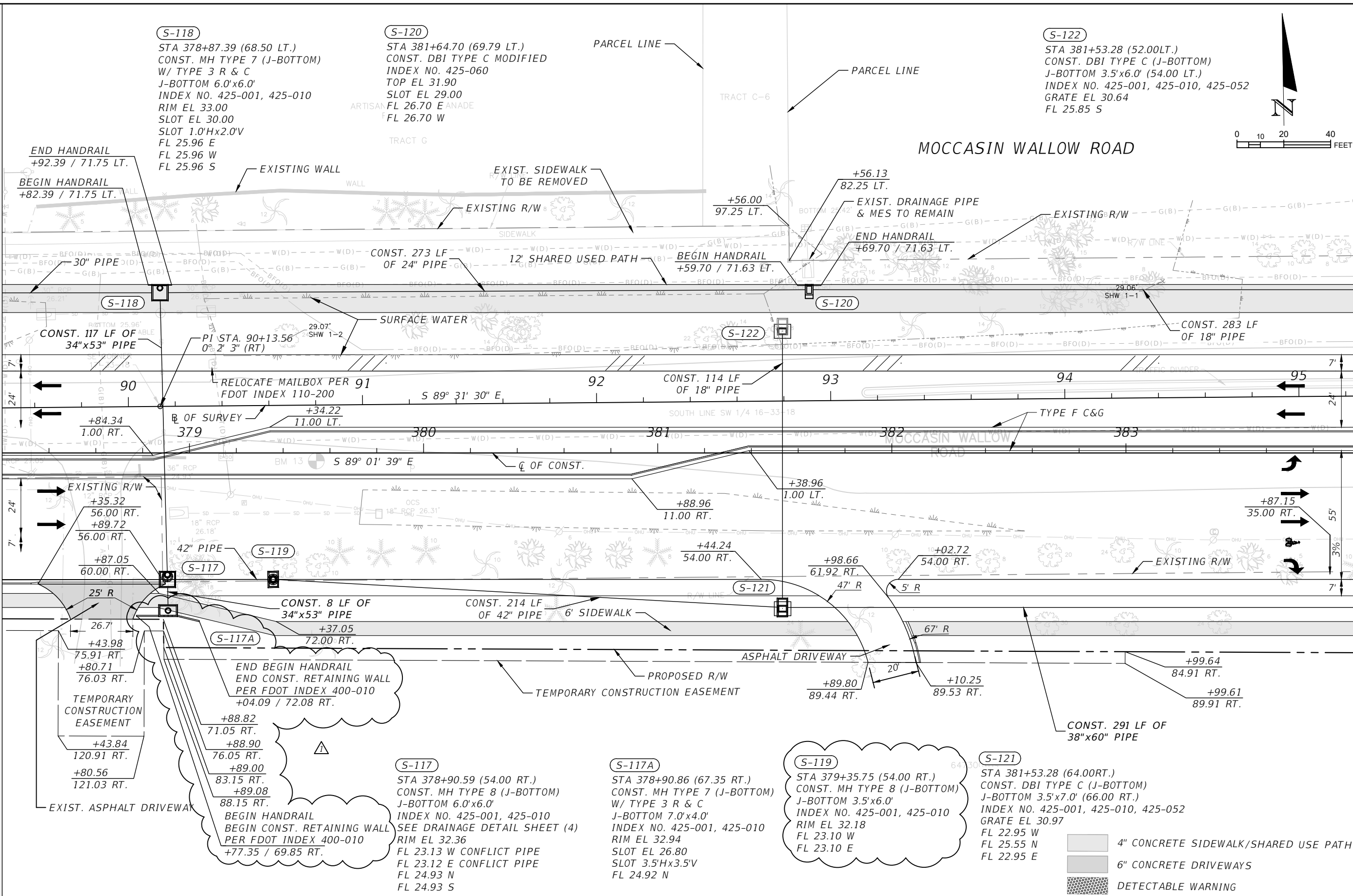
**S-118**  
 STA 378+87.39 (68.50 LT.)  
 CONST. MH TYPE 7 (J-BOTTOM)  
 W/ TYPE 3 R & C  
 J-BOTTOM 6.0'x6.0'  
 INDEX NO. 425-001, 425-010  
 RIM EL 33.00  
 SLOT EL 30.00  
 SLOT 1.0'Hx2.0'V  
 FL 25.96 E  
 FL 25.96 W  
 FL 25.96 S

**S-120**  
 STA 381+64.70 (69.79 LT.)  
 CONST. DBI TYPE C MODIFIED  
 INDEX NO. 425-060  
 TOP EL 31.90  
 SLOT EL 29.00  
 FL 26.70 E ANADE  
 FL 26.70 W

**S-122**  
 STA 381+53.28 (52.00LT.)  
 CONST. DBI TYPE C (J-BOTTOM)  
 J-BOTTOM 3.5'x6.0' (54.00 LT.)  
 INDEX NO. 425-001, 425-010, 425-052  
 GRATE EL 30.64  
 FL 25.85 S

MATCHLINE STA. - 378+20.00

MATCHLINE STA. - 384+00.00



- 4" CONCRETE SIDEWALK/SHARED USE PATH
- 6" CONCRETE DRIVEWAYS
- DETECTABLE WARNING

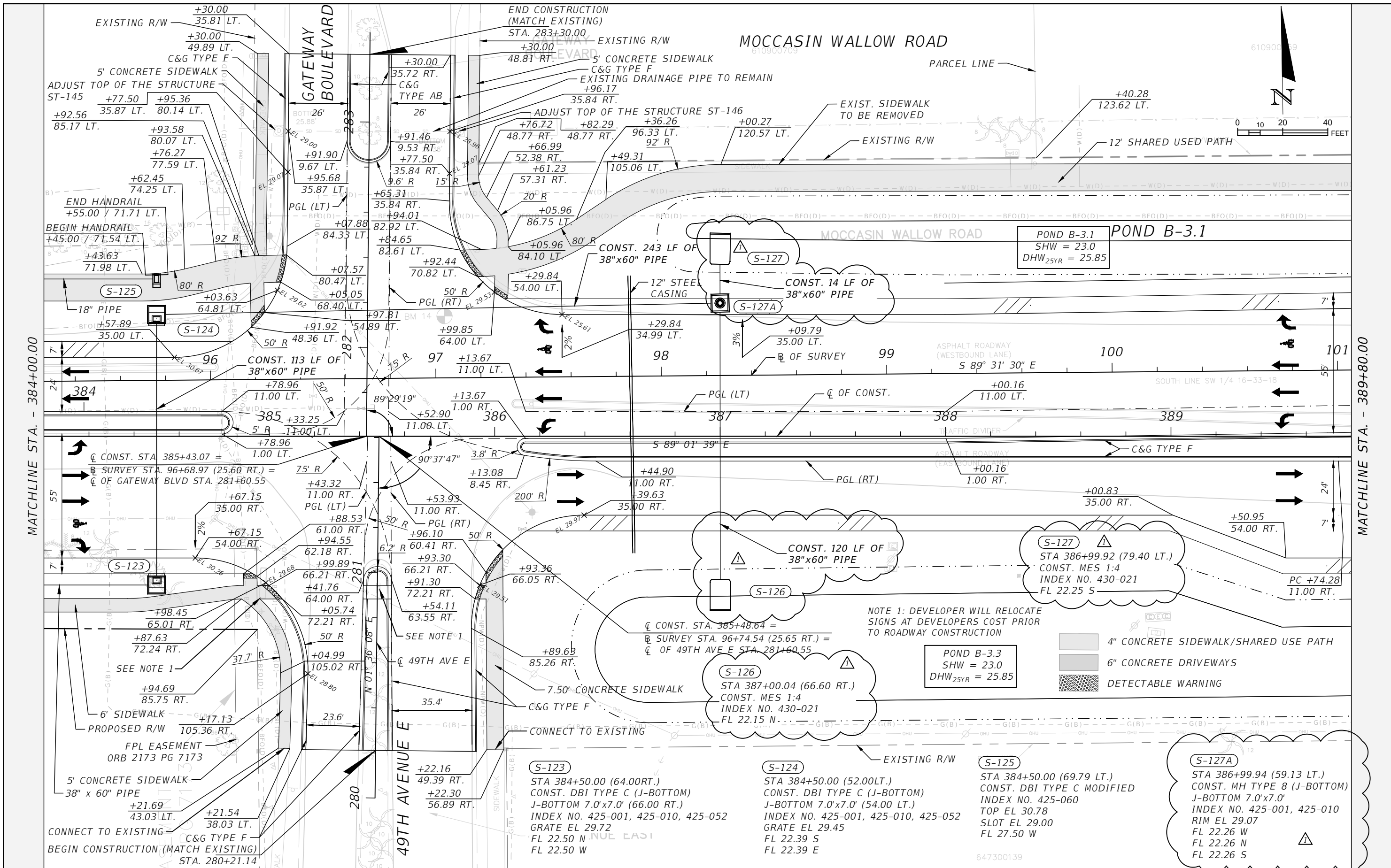
REVISIONS		DATE	DESCRIPTION
07/11/2022	▲		UPDATE DRAINAGE STRUCTURE DATA RETAINING WALL ADDED

HAMID R. FARAJI, P.E.  
 P.E. LICENSE NUMBER 51581  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

<b>MANATEE COUNTY</b>	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

<b>PLAN (16)</b>	SHEET NO. <b>50</b>
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MATCHLINE STA. - 384+00.00

MATCHLINE STA. - 389+80.00

REVISIONS	
DATE	DESCRIPTION
07/11/2022	▲ DRAINAGE CHANGES DUE TO EXIST UTILITY

HAMID R. FARAJI, P.E.  
 P.E. LICENSE NUMBER 51581  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

<b>MANATEE COUNTY</b>	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

<b>PLAN (17)</b>	SHEET NO. <b>51</b>
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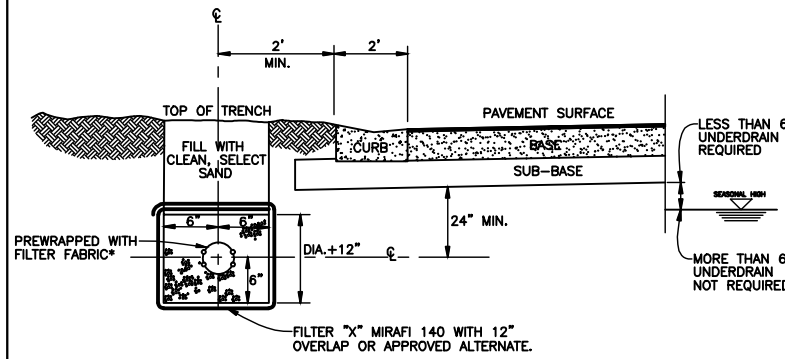
**UNDERDRAIN**

**1. CORRUGATED POLYETHYLENE TUBING**

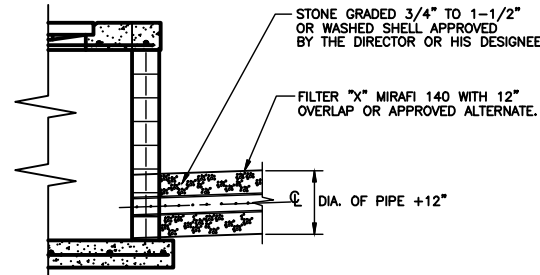
CORRUGATED POLYETHYLENE TUBING WITH A FILTER FABRIC WRAP, UNLESS OTHERWISE NOTED, MAY BE USED FOR UNDERDRAIN APPLICATIONS ASSOCIATED WITH ROADWAY CONSTRUCTION PROVIDING THE FOLLOWING SPECIFICATIONS ARE MET:

- A) THE CORRUGATED POLYETHYLENE TUBING SHALL MEET THE REQUIREMENTS OF ASTM F-405.
- B) THE CORRUGATED POLYETHYLENE TUBING SHALL HAVE A FILTER FABRIC SOCK MEETING F.D.O.T. SPEC. 948-3, LATEST REVISION. IF PERFORATIONS IN PIPE ARE LESS THAN 3/4", THEN FILTER FABRIC SOCK MAY BE OMITTED.
- C) THE ENVELOPE MATERIAL SURROUNDING THE TUBING SHALL BE CRUSHED STONE OR WASHED SHELL. THE THICKNESS OF THE ENVELOPE MATERIAL SHALL BE EQUAL TO OR GREATER THAN THE DIAMETER OF THE TUBING, PLUS 12".
- D) CORRUGATED POLYETHYLENE TUBING SHALL NOT BE ACCEPTABLE UNDER ROADWAYS.
- E) EXTRA CARE SHALL BE TAKEN DURING PLACEMENT TO MAINTAIN PROPER LINE AND GRADE, TO BE PLACED W/ SLOPE OF ROAD.
- F) A CLEAN-OUT SHALL BE CONSTRUCTED AT THE END OF EACH RUN OF UNDERDRAIN. MAXIMUM SPACING EVERY 100 FEET.
- G) SOD 3' AROUND 18" CONC. SQUARE.

\*NOTE: TRANSPORTATION DIRECTOR OR HIS DESIGNEE'S APPROVAL IS REQUIRED FOR THE USE OF FLEXIBLE UNDERDRAIN PIPE.

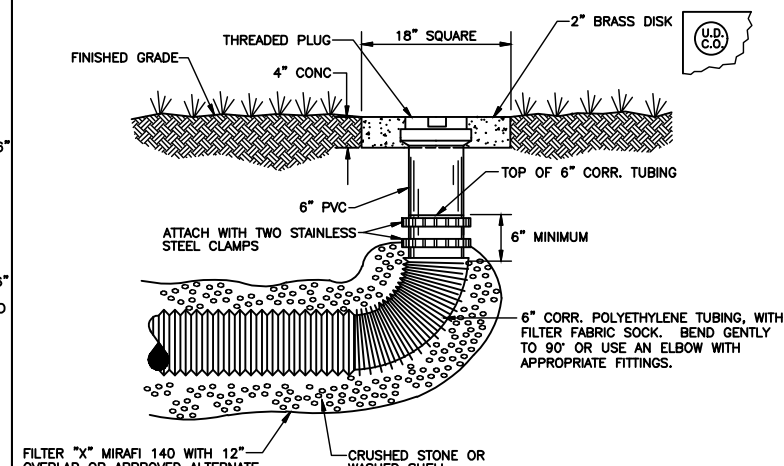


**UNDERDRAIN PLACEMENT**

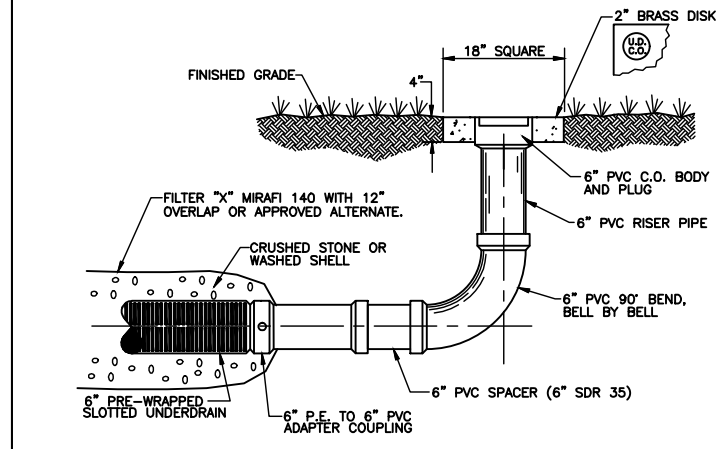


**UNDERDRAIN TIE TO INLET**

- A) LOCATION OR NEED FOR UNDERDRAIN TO BE APPROVED BY THE DIRECTOR OR HIS DESIGNEE.
  - B) UNDERDRAIN SHALL BE AS SPECIFIED IN SECTION 440 OF FLORIDA DEPT. OF TRANSPORTATION SPEC. (2000 OR LATEST REVISION).
  - C) 6" TO 8" PERFORATED PIPE AS REQUIRED.
  - D) BACKFILL WITH CLEAN, SELECT SAND TO LINES SHOWN ON PLANS.
- \* IF PIPE PERFORATIONS ARE SMALLER THAN 3/4", THEN FILTER FABRIC SOCK MAY OMITTED.



**UNDERDRAIN CLEAN-OUT DETAIL CORRUGATED POLYETHYLENE TUBING**



**UNDERDRAIN CLEAN-OUT DETAIL - RIGID**

\* MAXIMUM SPACING EVERY 100 FEET.

MANATEE COUNTY	
TRANSPORTATION DEPARTMENT	
REV. BY	DATE
	6/12/07
DATE OF B.O.C.C. APPROVAL	

**UNDERDRAIN GENERAL NOTES**

**204.0**

MANATEE COUNTY	
TRANSPORTATION DEPARTMENT	
REV. BY	DATE
	6/12/07
DATE OF B.O.C.C. APPROVAL	

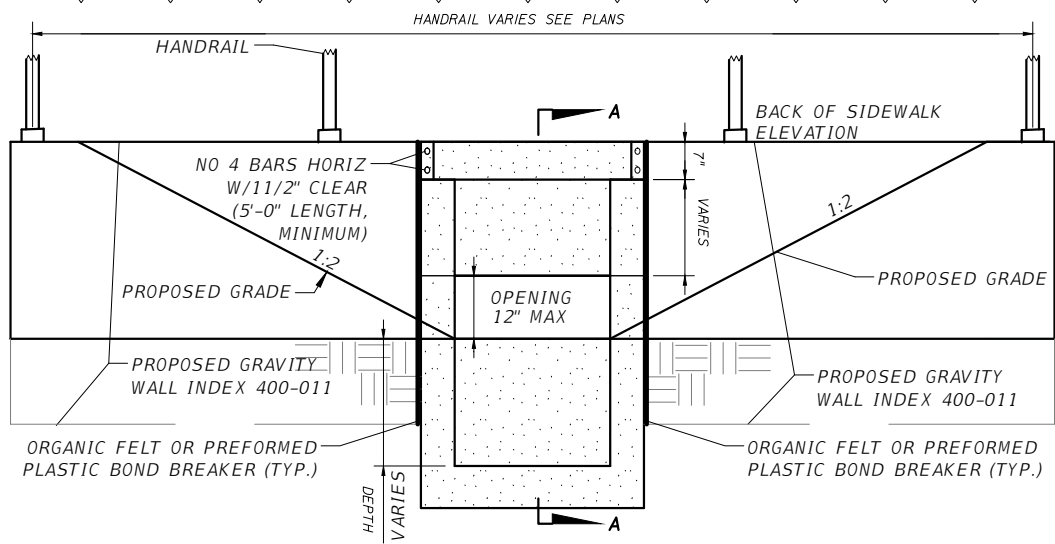
**TYPICAL UNDERDRAIN LAYOUT**

**204.1**

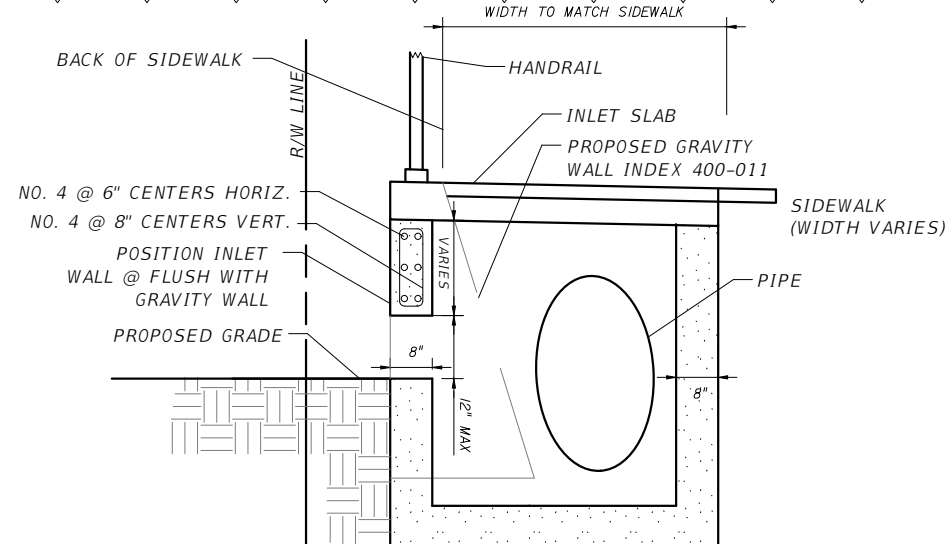
MANATEE COUNTY	
TRANSPORTATION DEPARTMENT	
REV. BY	DATE
	6/12/07
DATE OF B.O.C.C. APPROVAL	

**UNDERDRAIN CLEAN-OUTS (FLEXIBLE & RIGID)**

**204.2**



**FRONT ELEVATION**  
NTS



**BACK OF SIDEWALK INLET**  
NTS

**SECTION A-A**  
NTS

STRUCTURE NUMBER
S-26
S-70
S-73
S-81
S-82
S-115
S-116
S-118
S-120
S-125

NOTE: ALL COST ASSOCIATED TO GRAVITY WALL SHALL BE INCLUDED IN THE DRAINAGE STRUCTURE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/2022	△ DRAINAGE DETAIL ADDED		

HAMID R. FARAJI, P.E.  
P.E. LICENSE NUMBER 51581  
CARDNO  
380 PARK PLACE BLVD, SUITE 300  
CLEARWATER, FLORIDA 33759  
CERTIFICATE OF AUTHORIZATION 29915

MANATEE COUNTY	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

**DRAINAGE STRUCTURE DETAILS (5)**

SHEET NO.  
**81**

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

**C-I-P CANTILEVER RETAINING WALLS DATA TABLES**

Wall No.	Begin		End		Height				Wall Length		D	W	L <sub>foot</sub>		L <sub>toe</sub>		Slope Bkwall	D <sub>soil</sub>		L <sub>key</sub>	D <sub>key</sub>	V <sub>step</sub>	Wall Cover	FtgCov (typ.)	FtgCov (bot.)		
	Station	Offset	Station	Offset	Begin		End		ft.	in.	ft.	in.	ft.	in.	ft.	in.		ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.
					ft.	in.	ft.	in.																			
1	378+77.35	69.85 RT	378+86.85	69.85 RT	6	10	6	10	9	6	14	10	7	9	0	3	0	0	10	0	0	0	2	3	4		
2	378+94.85	69.85 RT	379+04.09	72.08 RT	6	10	6	10	9	6	14	10	7	9	0	3	0	0	10	0	0	0	2	3	4		

Wall No.	BILL OF REINFORCING STEEL																													
	Bars J												Bars K										Bars M							
	Size	No.	Spacing	A				B		Average Total Length		Size	No.	Spacing	A				B		Average Total Length		Size	No.	A		B		Total Length	
				Begin	End		ft.	in.	ft.	in.	ft.				in.	Begin	End		ft.	in.	ft.	in.			ft.	in.	ft.	in.	ft.	in.
1	4	12	10	7	6	7	6	0	8	8	2	0	0	0	0	0	0	0	0	0	0	0	4	11	2	6.25	7	1	9	7.25
2	4	12	10	7	6	7	6	0	8	8	2	0	0	0	0	0	0	0	0	0	0	4	11	2	6.25	7	1	9	7.25	

Wall No.	BILL OF REINFORCING STEEL																												
	Bars H					Bars G1					Bars R					Bars Z					Bars A								
	Size	No.	Spacing	Length		Size	No.	Spacing	No. of Lap Splices	Total Length		Size	No.	Length		Size	No.	Spacing	Length		Size	No.	Length				Average Length		
				ft.	in.					ft.	in.			ft.	in.				ft.	in.			ft.	in.	ft.	in.	ft.	in.	ft.
1	5	12	10	7	3	4	18	12	0	9	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	5	12	10	7	3	4	18	12	0	9	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Wall No.	BILL OF REINFORCING STEEL																
	Bars F							Bars G2					Bars D				
	Size	No.	Spacing	Length				Average Length		Size	No.	Length		Size	No.	Length	
				Begin	End		ft.	in.	ft.			in.	ft.			in.	ft.
1	4	11	12	6	8	6	8	6	8	4	14	9	2	5	7	1	6
2	4	11	12	6	8	6	8	6	8	4	14	9	2	5	7	1	6

**NOTES [Notes Date 07-01-14]:**

- Work these Data Tables with Standard Plans Index No. 400-010.
- Concrete Class II (*f'c* = 3400 psi)
- Wall exposed face surface texture shall be smooth
- Environmental Classification is Slightly Aggressive.
- Minimum Soil Nominal Bearing Resistance = 4000 psf.
- A value of '0' for Slope Backwall indicates front and back of wall are parallel.
- D<sub>soil</sub>* is typical depth of soil and is used for design purposes only. See Control Drawings for actual ground line.
- Non-zero values for *L<sub>key</sub>* and *D<sub>key</sub>* indicate the existence of a shear key.
- A non-zero value for *V<sub>step</sub>* indicates the existence of a footing step, see Control Drawings for location.
- Bars J, K, A and F vary uniformly between begin and end wall heights as indicated by begin and end dimensions.
- The number of G1 Bars includes 2 additional bars when a shear key is specified.
- For walls with variable begin/end height, Bars G2 shall be fanned such that they are evenly spaced throughout length of wall.
- Install an aluminum pipe guardrail on top of the wall. Work with Standard Plans Index No. 515-070.
- Construct face of wall with face of adjacent drainage structure. Install 1/2" preformed joint filler in the joint between the wall and drainage structure and attach Type D-5 (see Specifications Section 985) geotextile fabric, 1'-0" wide and full height of fill, to the back of the joint with an adhesive approved by the engineer.
- Construct top of wall level at elevation 32.94 to match top of adjacent drainage structure.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/2022	△ SHEET ADDED		

CHRISTOPHER P. GAMACHE, P.E.  
P.E. LICENSE NUMBER 82122  
CARDNO  
380 PARK PLACE BLVD, SUITE 300  
CLEARWATER, FLORIDA 33759  
CERTIFICATE OF AUTHORIZATION 29915

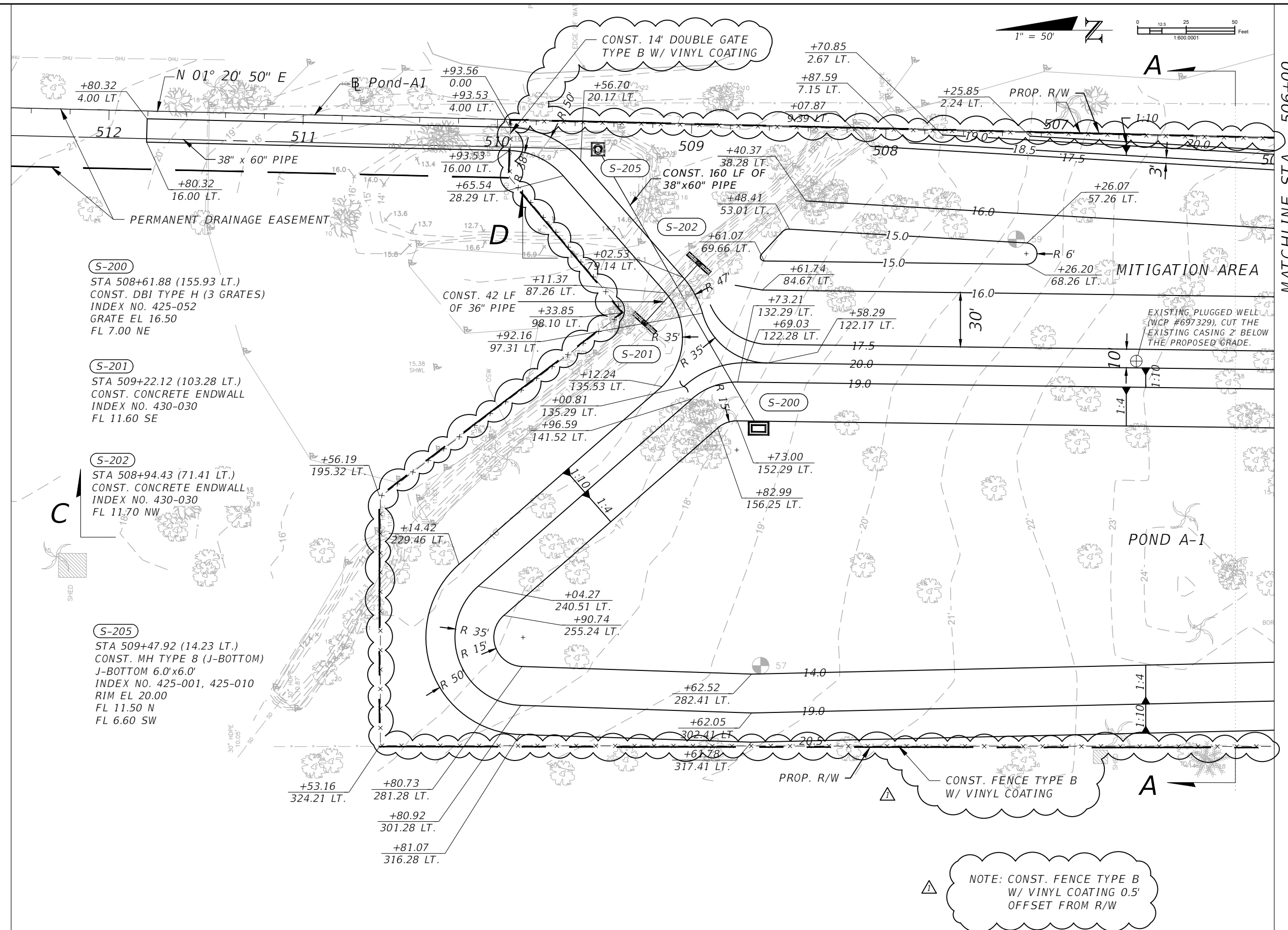
<b>MANATEE COUNTY</b>	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

**DRAINAGE STRUCTURE  
DETAILS (6)**

SHEET NO.  
81A

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

MATCHLINE STA - 512+50.00 - SEE PLAN (3)



MATCHLINE STA. - 506+00

- (S-200)  
STA 508+61.88 (155.93 LT.)  
CONST. DBI TYPE H (3 GRATES)  
INDEX NO. 425-052  
GRATE EL 16.50  
FL 7.00 NE
- (S-201)  
STA 509+22.12 (103.28 LT.)  
CONST. CONCRETE ENDWALL  
INDEX NO. 430-030  
FL 11.60 SE
- (S-202)  
STA 508+94.43 (71.41 LT.)  
CONST. CONCRETE ENDWALL  
INDEX NO. 430-030  
FL 11.70 NW
- (S-205)  
STA 509+47.92 (14.23 LT.)  
CONST. MH TYPE 8 (J-BOTTOM)  
J-BOTTOM 6.0'x6.0'  
INDEX NO. 425-001, 425-010  
RIM EL 20.00  
FL 11.50 N  
FL 6.60 SW

REVISIONS		DATE	DESCRIPTION
07/11/2022	▲		TYPE B FENCE AND GATE ADDED

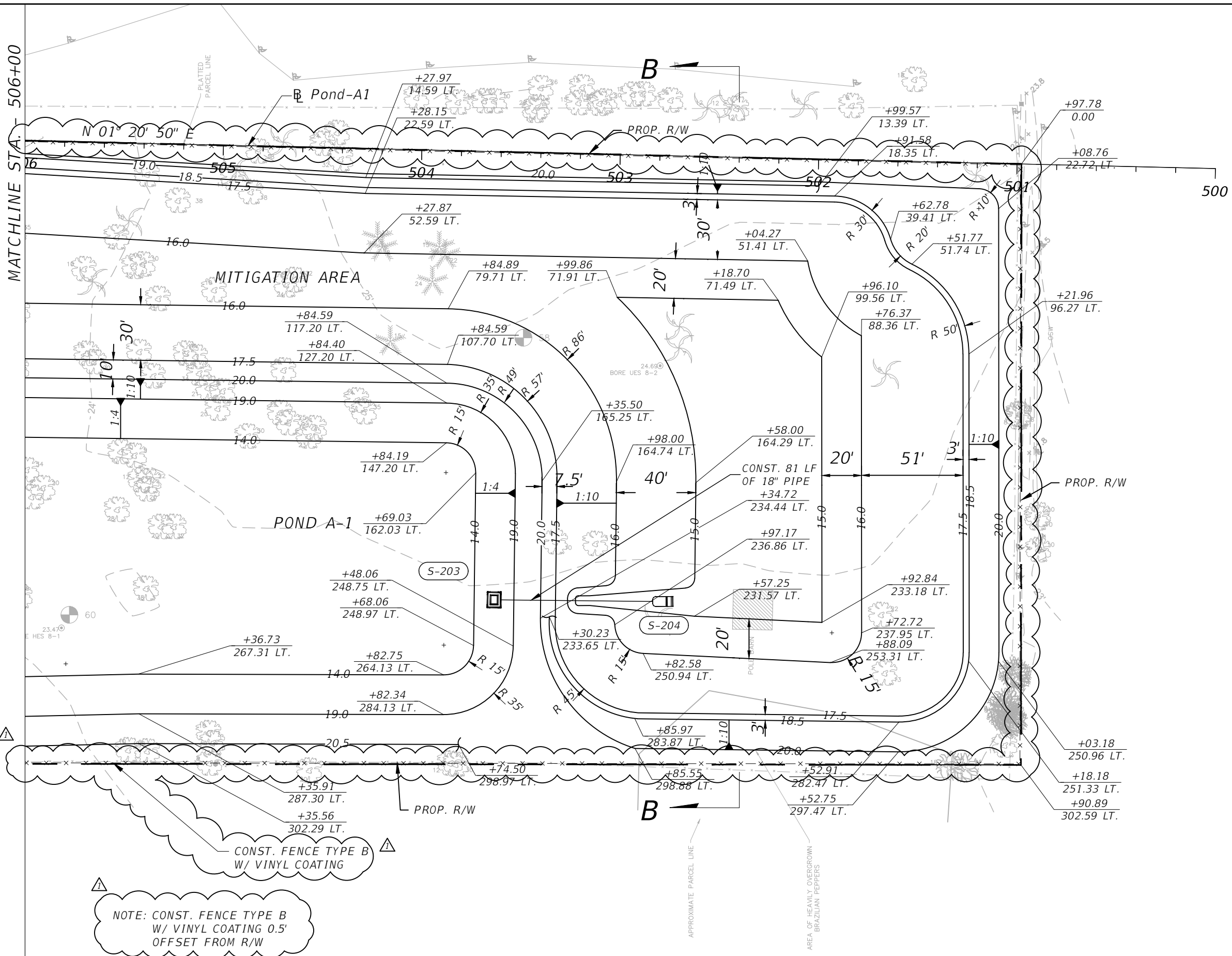
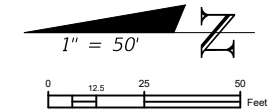
HAMID R. FARAJI, P.E.  
P.E. LICENSE NUMBER 51581  
CARDNO  
380 PARK PLACE BLVD, SUITE 300  
CLEARWATER, FLORIDA 33759  
CERTIFICATE OF AUTHORIZATION 29915

<b>MANATEE COUNTY</b>	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

**POND AND MITIGATION AREA  
DETAIL SHEET (1)**

SHEET NO.  
82

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



- (S-203)  
STA 503+58.28 (225.70 LT.)  
CONST. DBI TYPE D  
INDEX NO. 425-052  
GRATE EL 19.00  
FL 15.10 S
- (S-204)  
STA 502+76.06 (224.62 LT.)  
CONST. MES 1:4  
INDEX NO. 430-022  
FL 15.00 N

NOTE: CONST. FENCE TYPE B  
W/ VINYL COATING 0.5'  
OFFSET FROM R/W

REVISIONS	
DATE	DESCRIPTION
07/11/2022	TYPE B FENCE ADDED

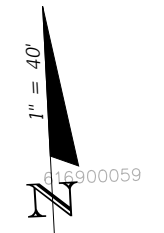
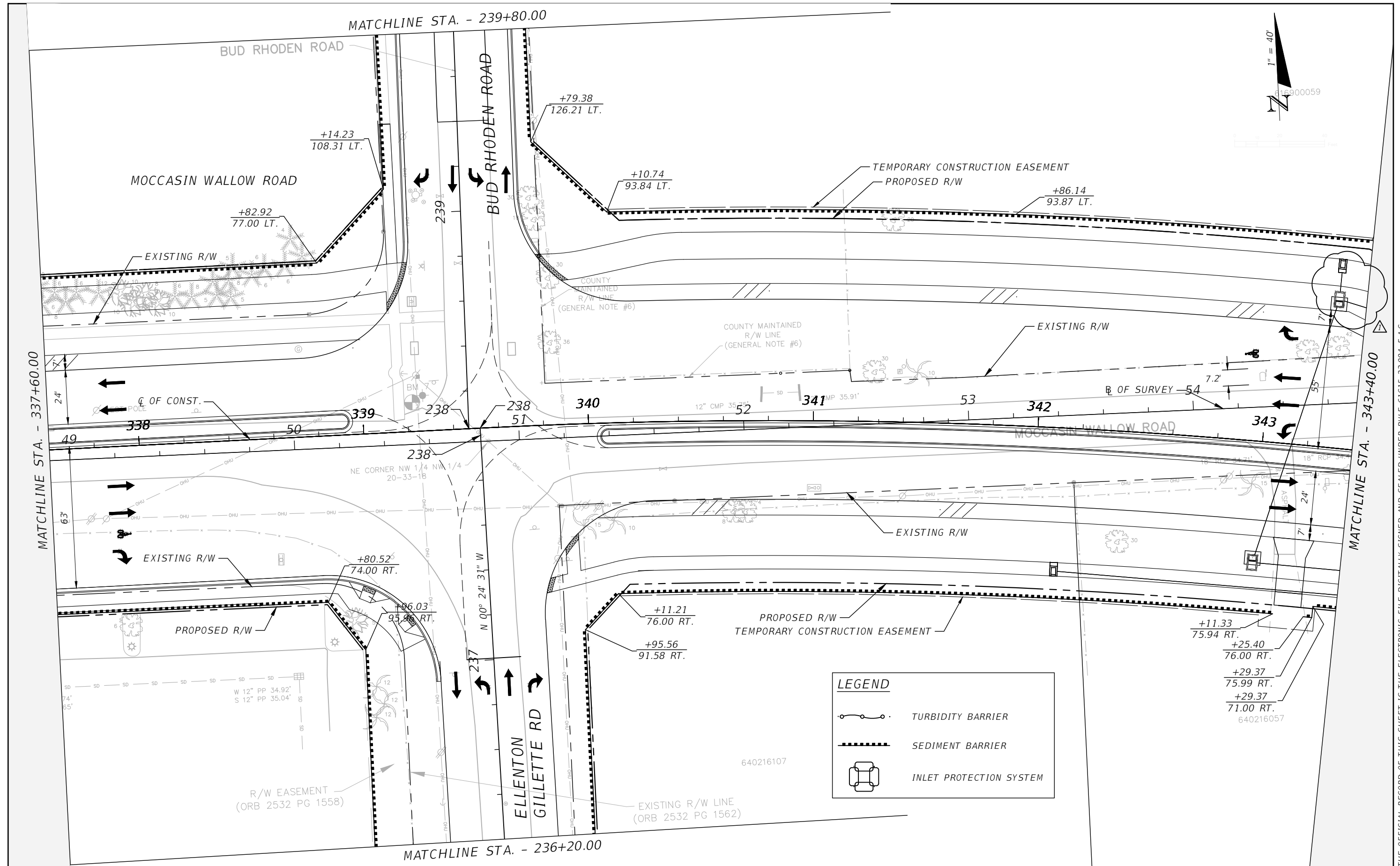
HAMID R. FARAJI, P.E.  
P.E. LICENSE NUMBER 51581  
CARDNO  
380 PARK PLACE BLVD, SUITE 300  
CLEARWATER, FLORIDA 33759  
CERTIFICATE OF AUTHORIZATION 29915

<b>MANATEE COUNTY</b>	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

**POND AND MITIGATION AREA  
DETAIL SHEET (2)**

SHEET  
NO.  
  
83

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



LEGEND	
	TURBIDITY BARRIER
	SEDIMENT BARRIER
	INLET PROTECTION SYSTEM

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/2022	DRAINAGE CHANGES DUE TO EXIST UTILITY		

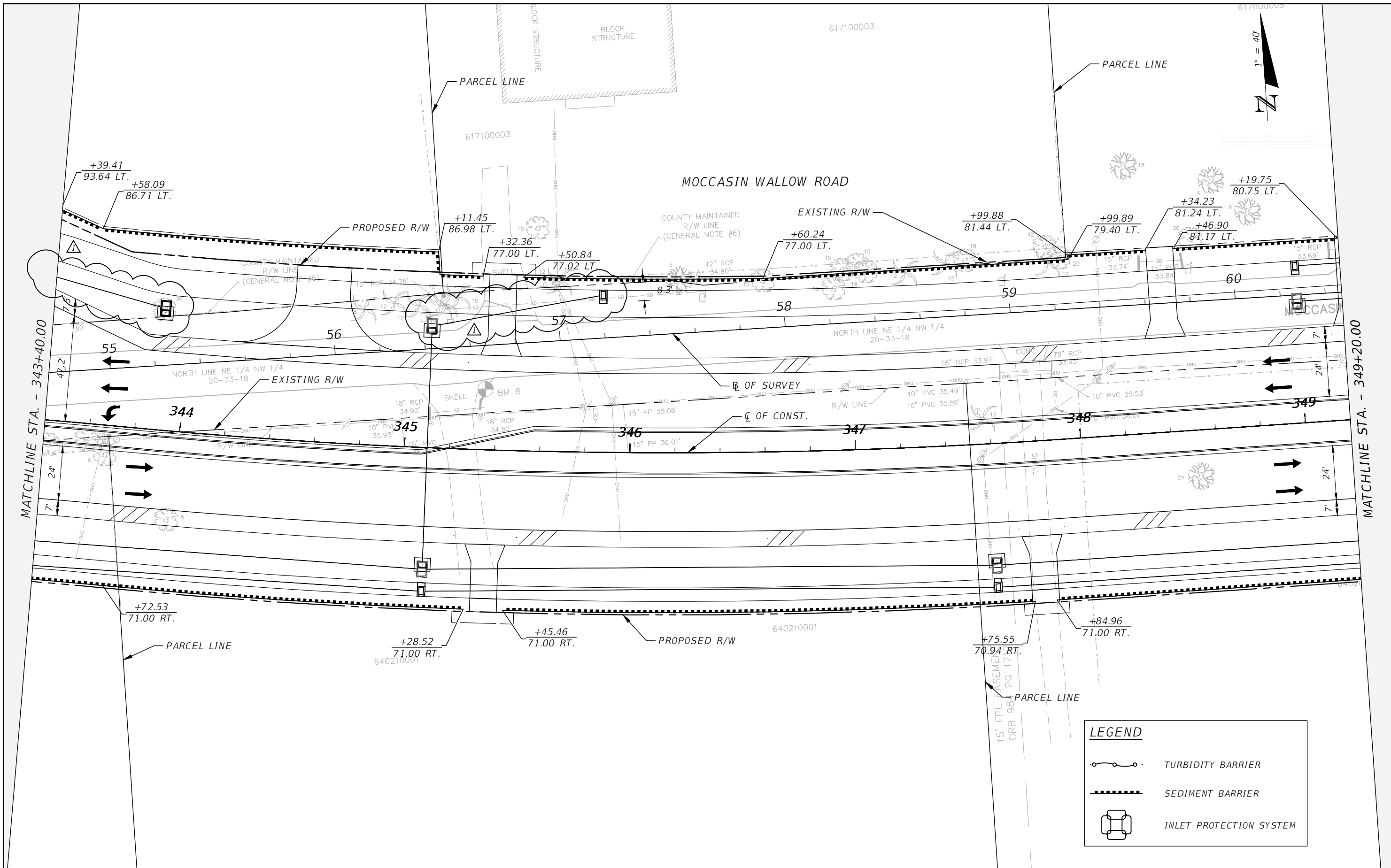
HAMID R. FARAJI, P.E.  
 P.E. LICENSE NUMBER 51581  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

MANATEE COUNTY	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

**EROSION CONTROL PLAN (9)**

SHEET NO.	217
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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.



LEGEND	
	TURBIDITY BARRIER
	SEDIMENT BARRIER
	INLET PROTECTION SYSTEM

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/2022	DRAINAGE CHANGES DUE TO EXIST UTILITY		

HAMID R. FARAJI, P.E.  
 P.E. LICENSE NUMBER 51581  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

MANATEE COUNTY	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

**EROSION CONTROL PLAN (10)**

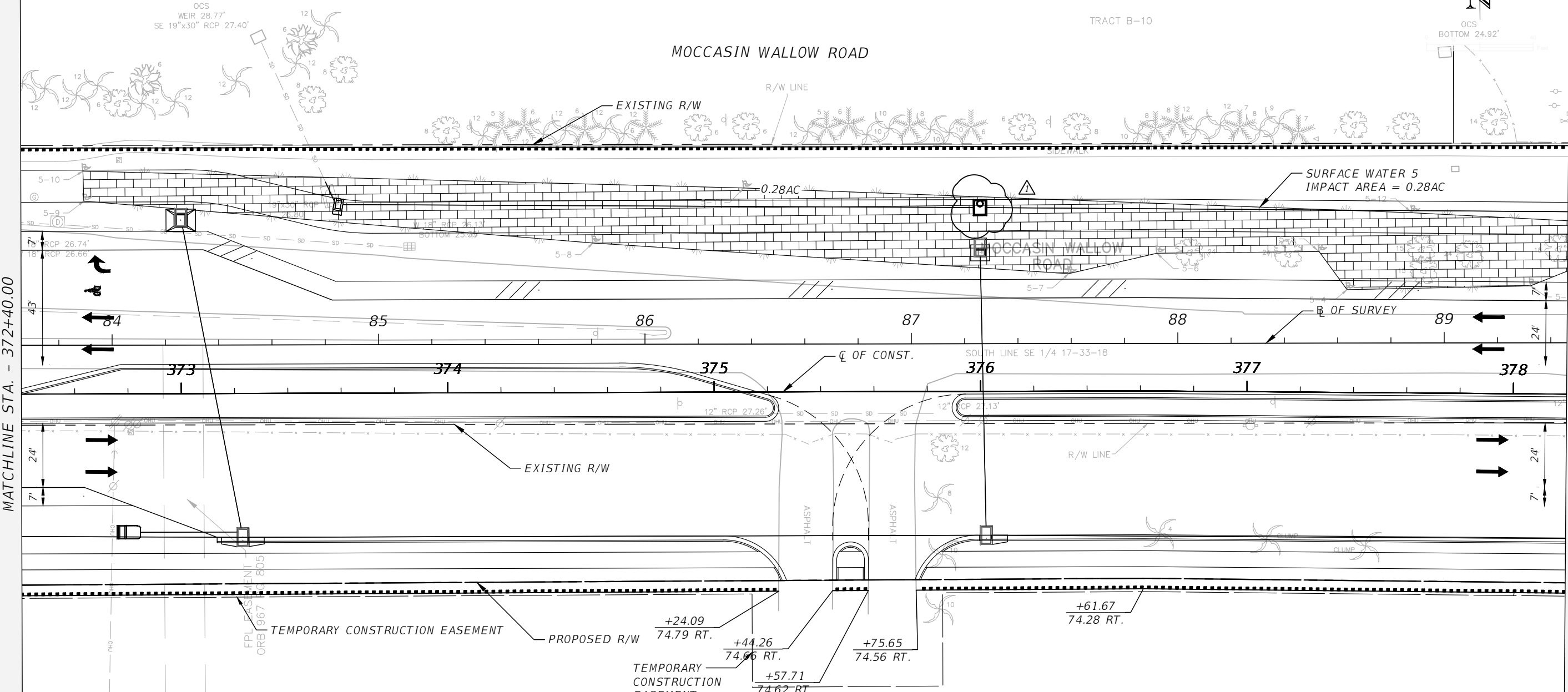
SHEET NO.
218

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

ARTISAN LAKES ESPLANADE  
PB 57 PG 65  
TRACT B-10






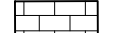
MOCCASIN WALLOW ROAD




MATCHLINE STA. - 372+40.00

MATCHLINE STA. - 378+20.00

**LEGEND**

-  TURBIDITY BARRIER
-  SEDIMENT BARRIER
-  INLET PROTECTION SYSTEM
-  SURFACE WATER IMPACT AREA

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/2022	 DRAINAGE STRUCTURE TYPE CHANGED		

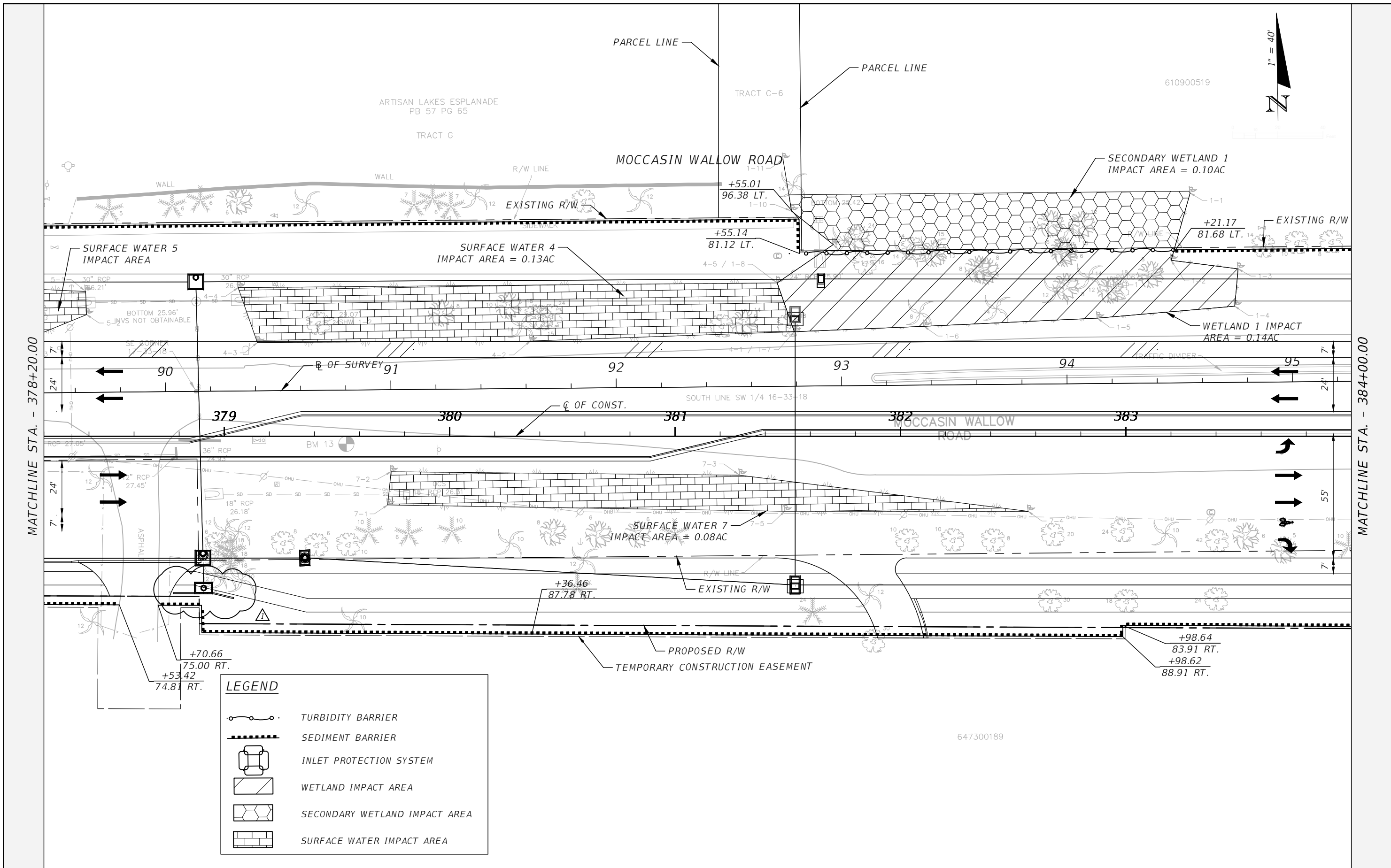
HAMID R. FARAJI, P.E.  
P.E. LICENSE NUMBER 51581  
CARDNO  
380 PARK PLACE BLVD, SUITE 300  
CLEARWATER, FLORIDA 33759  
CERTIFICATE OF AUTHORIZATION 29915

<b>MANATEE COUNTY</b>	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

**EROSION CONTROL PLAN (15)**

SHEET NO.  
**223**

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



**LEGEND**

- TURBIDITY BARRIER
- SEDIMENT BARRIER
- INLET PROTECTION SYSTEM
- WETLAND IMPACT AREA
- SECONDARY WETLAND IMPACT AREA
- SURFACE WATER IMPACT AREA

REVISIONS	
DATE	DESCRIPTION
07/11/2022	RETAINING WALL ADDED

HAMID R. FARAJI, P.E.  
 P.E. LICENSE NUMBER 51581  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

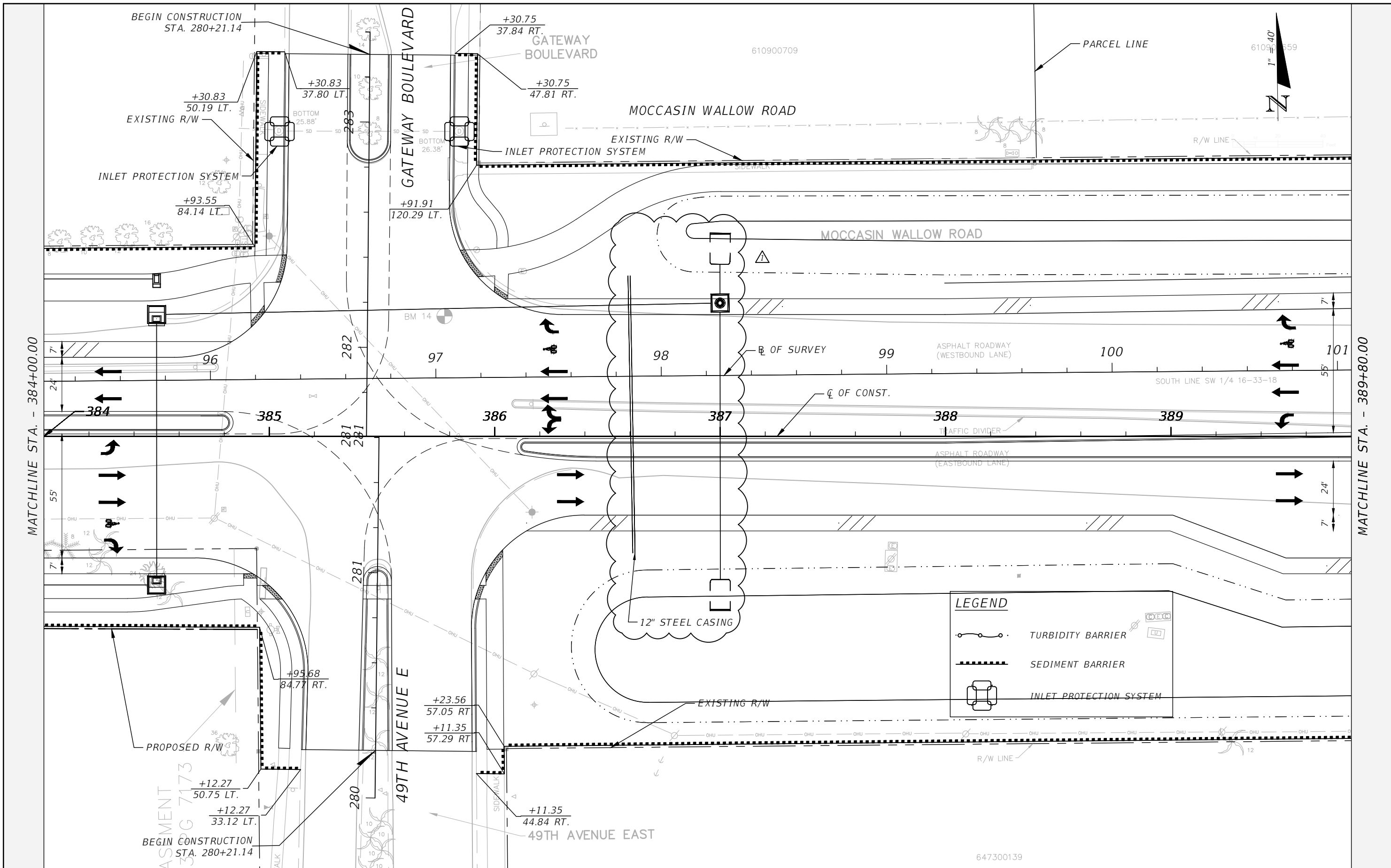
<b>MANATEE COUNTY</b>	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

**EROSION CONTROL PLAN (16)**

SHEET NO.
224

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
07/11/2022	△ DRAINAGE CHANGES DUE TO EXIST UTILITY

HAMID R. FARAJI, P.E.  
 P.E. LICENSE NUMBER 51581  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

<b>MANATEE COUNTY</b>	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

**EROSION CONTROL PLAN (17)**

SHEET NO.
225

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





610900519

TRACT C-6

ARTISAN LAKES ESPLANADE  
PB 57 PG 65

TRACT G

MOCCASIN WALLOW ROAD

LENGTH OF APPROACH AND DEPARTURE = 165'

INSTALL RPM'S PER  
FDOT INDEXES  
102-600 AND 706-001

EXISTING R/W

R/W LINE

6" DYRPM

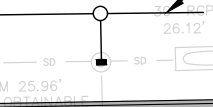
LPB PER FDOT  
INDEX 102-120  
(TYP)

SURVEY

15'

TRAFFIC DIVIDER

TEMPORARY DRAINAGE PIPE



SE CORNER  
17-33-18

90

91

92

93

94

95

SOUTH LINE SW 1/4 16-33-18  
CONST.

379

380

381

MOCCASIN WALLOW  
ROAD

383

6" WPRM

384

S-117

S-119

S-121

S-117A






SEE TTCP DETAILS FOR  
DRIVEWAY CONNECTION  
DETAILS (TYP)

PERMANENT RW EASEMENT

PROPOSED R/W


WHITE PAVT. ARROW PER  
FDOT INDEX 711-001 (TYP)

LEGEND

-  WORK ZONE AREA
-  TEMPORARY PAVEMENT
-  LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
-  WORK ZONE SIGN
-  CHANNELIZING DEVICE (SEE FDOT INDEX 102-600 FOR DEVICE TYPES AND SPACING)

MATCHLINE STA. - 378+20.00

MATCHLINE STA. - 384+00.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/2022	 RETAINING WALL ADDED		

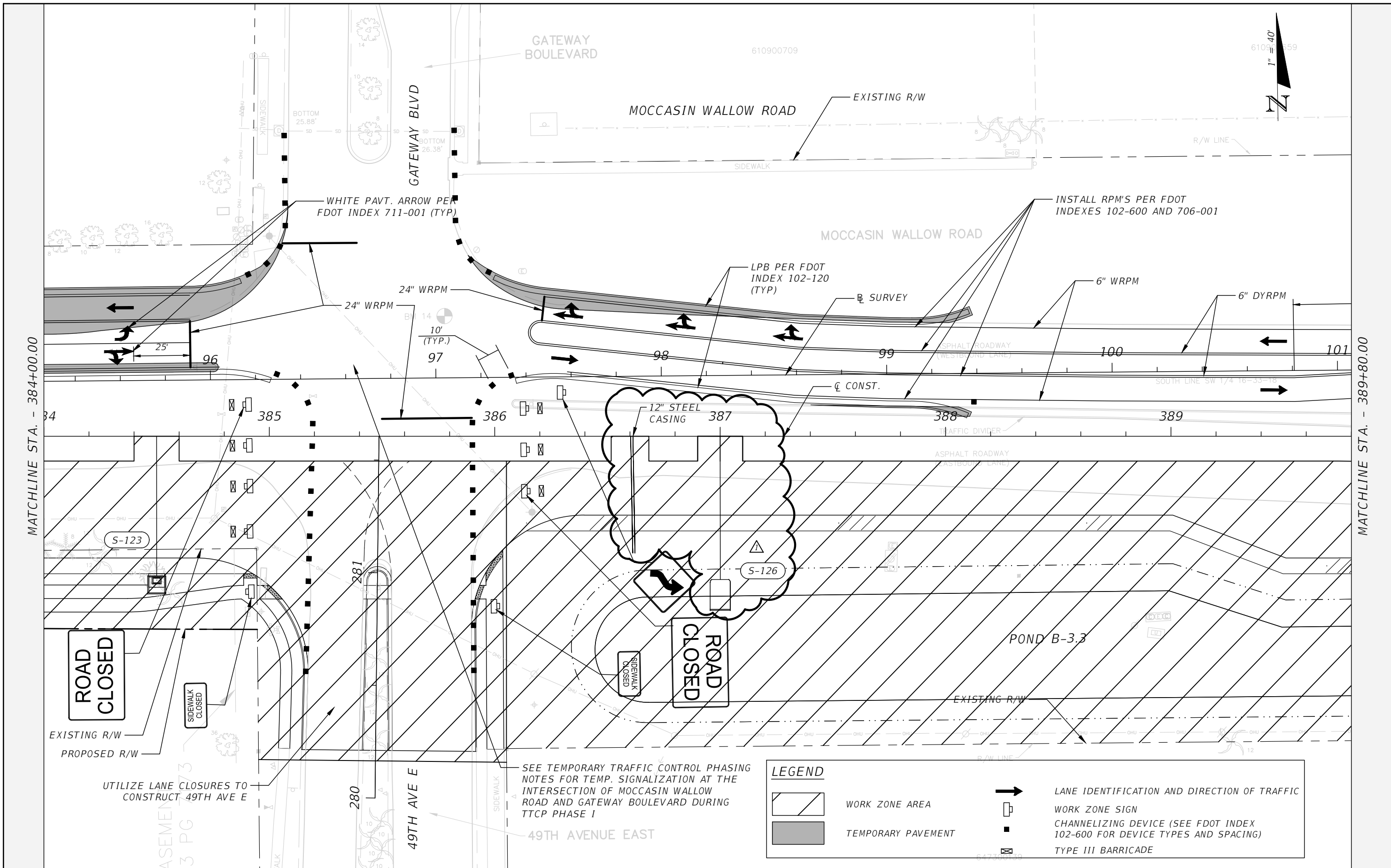
JEREMY FIORE RUNKLE, P.E.  
P.E. LICENSE NUMBER 73855  
CARDNO  
380 PARK PLACE BLVD, SUITE 300  
CLEARWATER, FLORIDA 33759  
CERTIFICATE OF AUTHORIZATION 29915

<b>MANATEE COUNTY</b>	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

**TEMPORARY TRAFFIC CONTROL  
PLAN (16) PHASE I**

SHEET NO.  
**258**

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



MATCHLINE STA. - 384+00.00

MATCHLINE STA. - 389+80.00



**ROAD CLOSED**

**SIDEWALK CLOSED**

**SIDEWALK CLOSED**

**ROAD CLOSED**

**LEGEND**

- WORK ZONE AREA
- TEMPORARY PAVEMENT
- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- WORK ZONE SIGN
- CHANNELIZING DEVICE (SEE FDOT INDEX 102-600 FOR DEVICE TYPES AND SPACING)
- TYPE III BARRICADE

SEE TEMPORARY TRAFFIC CONTROL PHASING NOTES FOR TEMP. SIGNALIZATION AT THE INTERSECTION OF MOCCASIN WALLOW ROAD AND GATEWAY BOULEVARD DURING TTCP PHASE I

UTILIZE LANE CLOSURES TO CONSTRUCT 49TH AVE E

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/2022	DRAINAGE CHANGES DUE TO EXIST UTILITY		

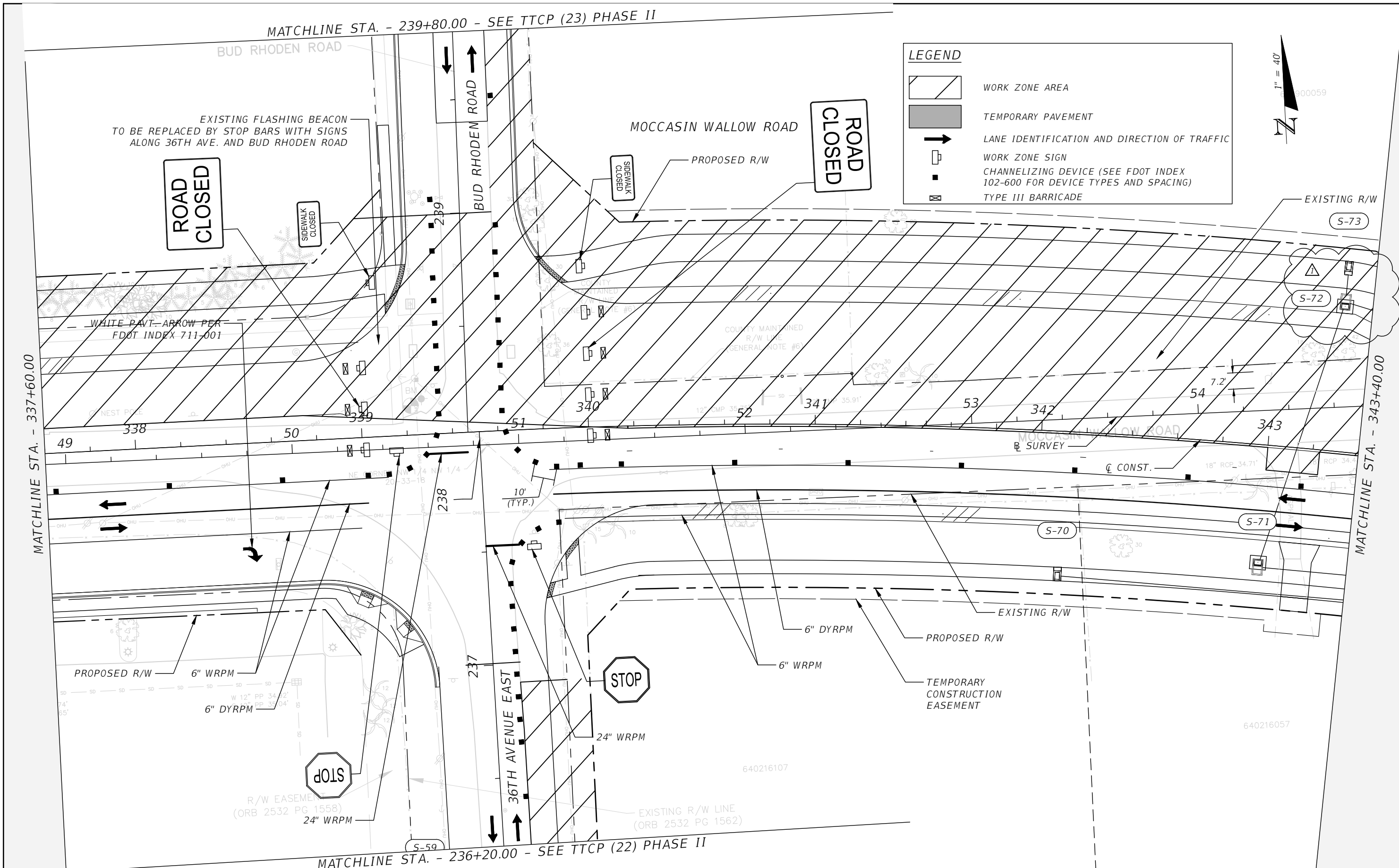
JEREMY FIORE RUNKLE, P.E.  
 P.E. LICENSE NUMBER 73855  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

MANATEE COUNTY	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

**TEMPORARY TRAFFIC CONTROL  
 PLAN (17) PHASE I**

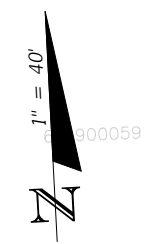
SHEET NO.  
259

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



**LEGEND**

- WORK ZONE AREA
- TEMPORARY PAVEMENT
- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- WORK ZONE SIGN
- CHANNELIZING DEVICE (SEE FDOT INDEX 102-600 FOR DEVICE TYPES AND SPACING)
- TYPE III BARRICADE



REVISIONS	
DATE	DESCRIPTION
07/11/2022	▲ DRAINAGE CHANGES DUE TO EXIST UTILITY

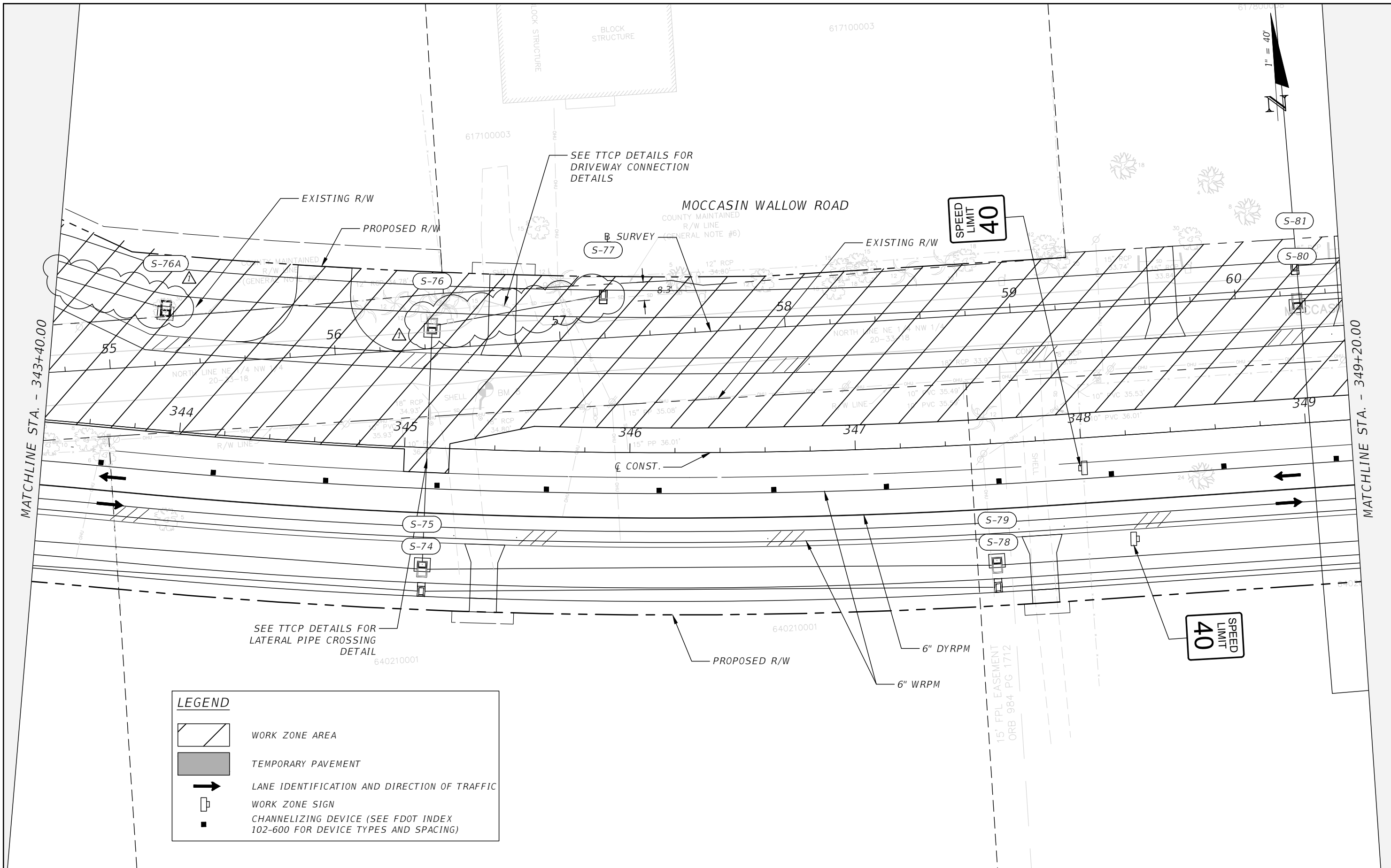
JEREMY FIORE RUNKLE, P.E.  
 P.E. LICENSE NUMBER 73855  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

<b>MANATEE COUNTY</b>	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

**TEMPORARY TRAFFIC CONTROL  
 PLAN (9) PHASE II**

SHEET NO.
276

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



LEGEND	
	WORK ZONE AREA
	TEMPORARY PAVEMENT
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	WORK ZONE SIGN
	CHANNELIZING DEVICE (SEE FDOT INDEX 102-600 FOR DEVICE TYPES AND SPACING)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/2022	DRAINAGE CHANGES DUE TO EXIST UTILITY		

JEREMY FIORE RUNKLE, P.E.  
 P.E. LICENSE NUMBER 73855  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

MANATEE COUNTY	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

**TEMPORARY TRAFFIC CONTROL  
 PLAN (10) PHASE II**

SHEET NO.
277

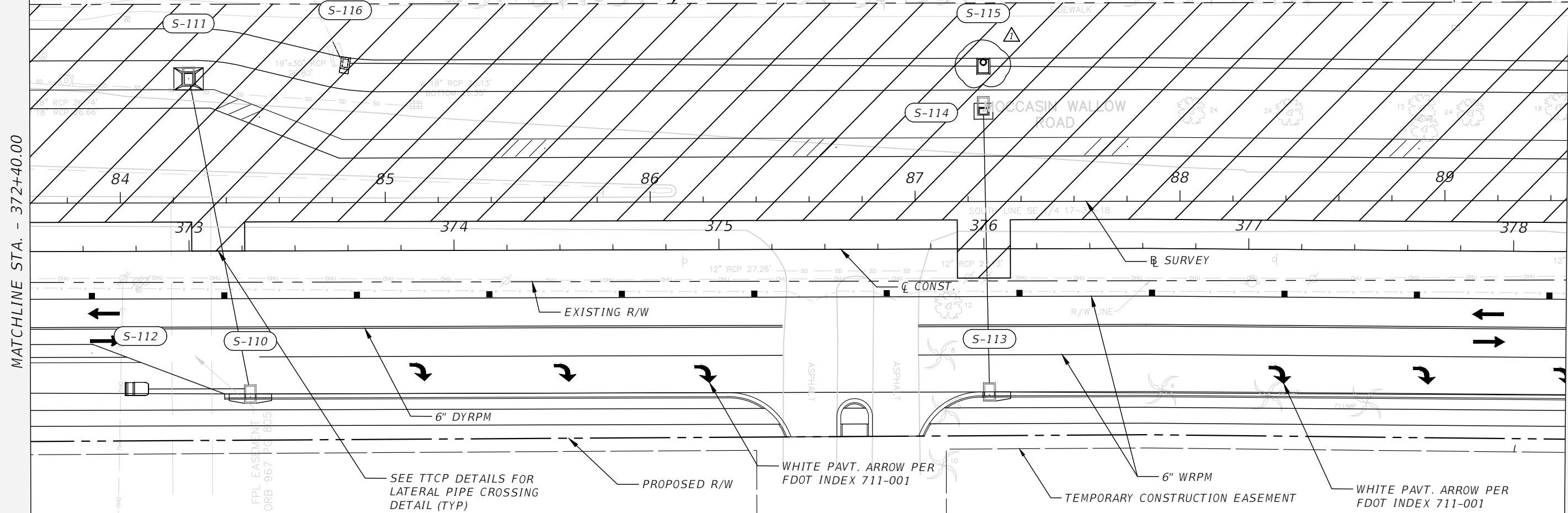
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

ARTISAN LAKES ESPLANADE  
PB 57 PG 65  
TRACT B-10



MOCCASIN WALLOW ROAD

EXISTING R/W  
R/W LINE



MATCHLINE STA. - 372+40.00

MATCHLINE STA. - 378+20.00

**LEGEND**

640100004

- WORK ZONE AREA
- TEMPORARY PAVEMENT
- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- WORK ZONE SIGN
- CHANNELIZING DEVICE (SEE FDOT INDEX 102-600 FOR DEVICE TYPES AND SPACING)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/2022	DRAINAGE STRUCTURE TYPE CHANGED		

JEREMY FIORE RUNKLE, P.E.  
P.E. LICENSE NUMBER 73855  
CARDNO  
380 PARK PLACE BLVD, SUITE 300  
CLEARWATER, FLORIDA 33759  
CERTIFICATE OF AUTHORIZATION 29915

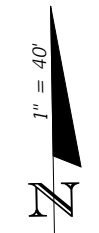
MANATEE COUNTY	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

**TEMPORARY TRAFFIC CONTROL  
PLAN (15) PHASE II**

SHEET NO.  
282

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

610900519



ARTISAN LAKES ESPLANADE  
PB 57 PG 65

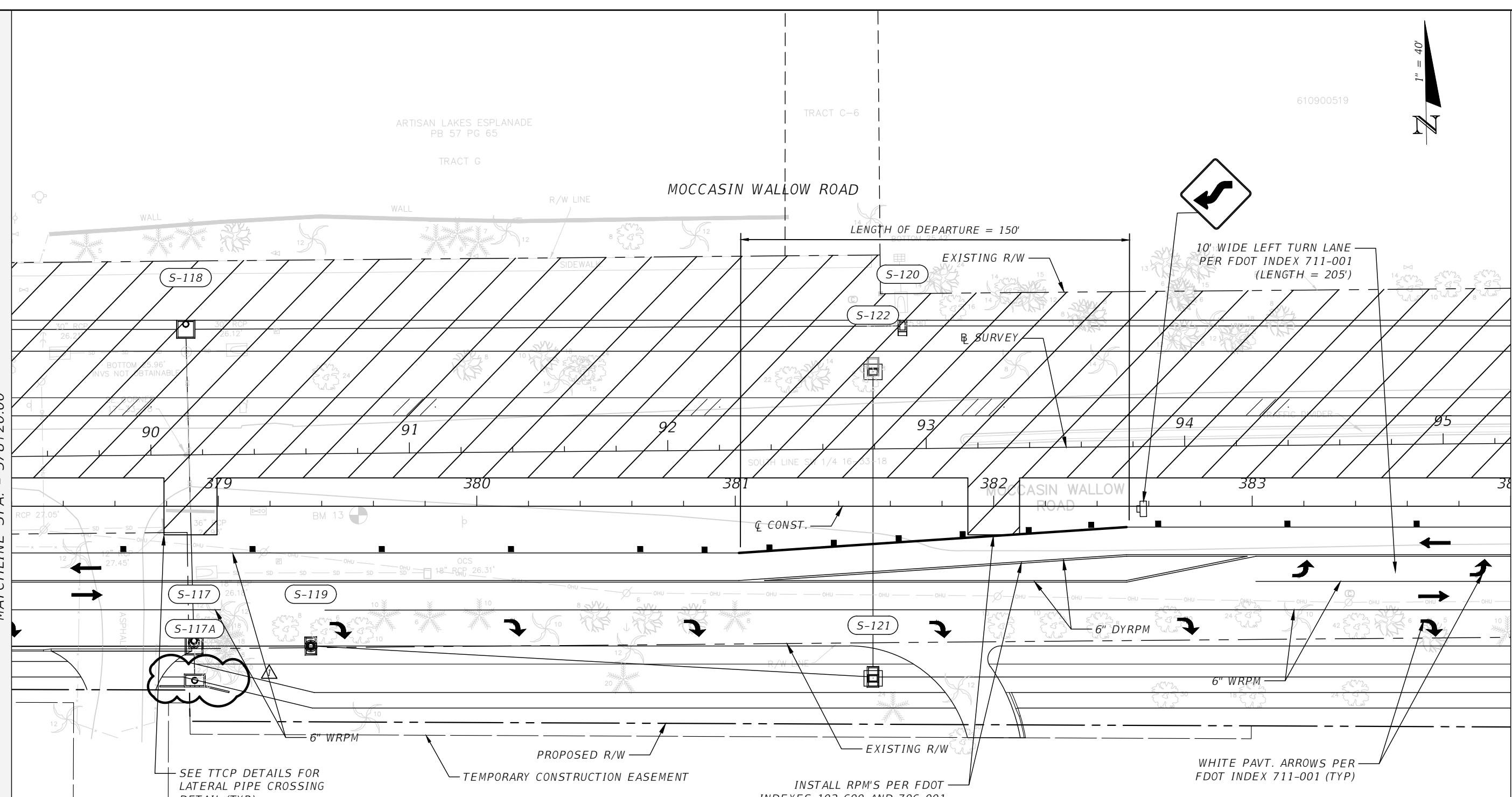
TRACT C-6

TRACT G

MOCCASIN WALLOW ROAD

MATCHLINE STA. - 378+20.00

MATCHLINE STA. - 384+00.00








SEE TTCP DETAILS FOR  
LATERAL PIPE CROSSING  
DETAIL (TYP)


TEMPORARY CONSTRUCTION EASEMENT

INSTALL RPM'S PER FDOT  
INDEXES 102-600 AND 706-001

WHITE PAVT. ARROWS PER  
FDOT INDEX 711-001 (TYP)

**LEGEND**

-  WORK ZONE AREA
-  TEMPORARY PAVEMENT
-  LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
-  WORK ZONE SIGN
-  CHANNELIZING DEVICE (SEE FDOT INDEX 102-600 FOR DEVICE TYPES AND SPACING)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/2022	 RETAINING WALL ADDED		

JEREMY FIORE RUNKLE, P.E.  
P.E. LICENSE NUMBER 73855  
CARDNO  
380 PARK PLACE BLVD, SUITE 300  
CLEARWATER, FLORIDA 33759  
CERTIFICATE OF AUTHORIZATION 29915

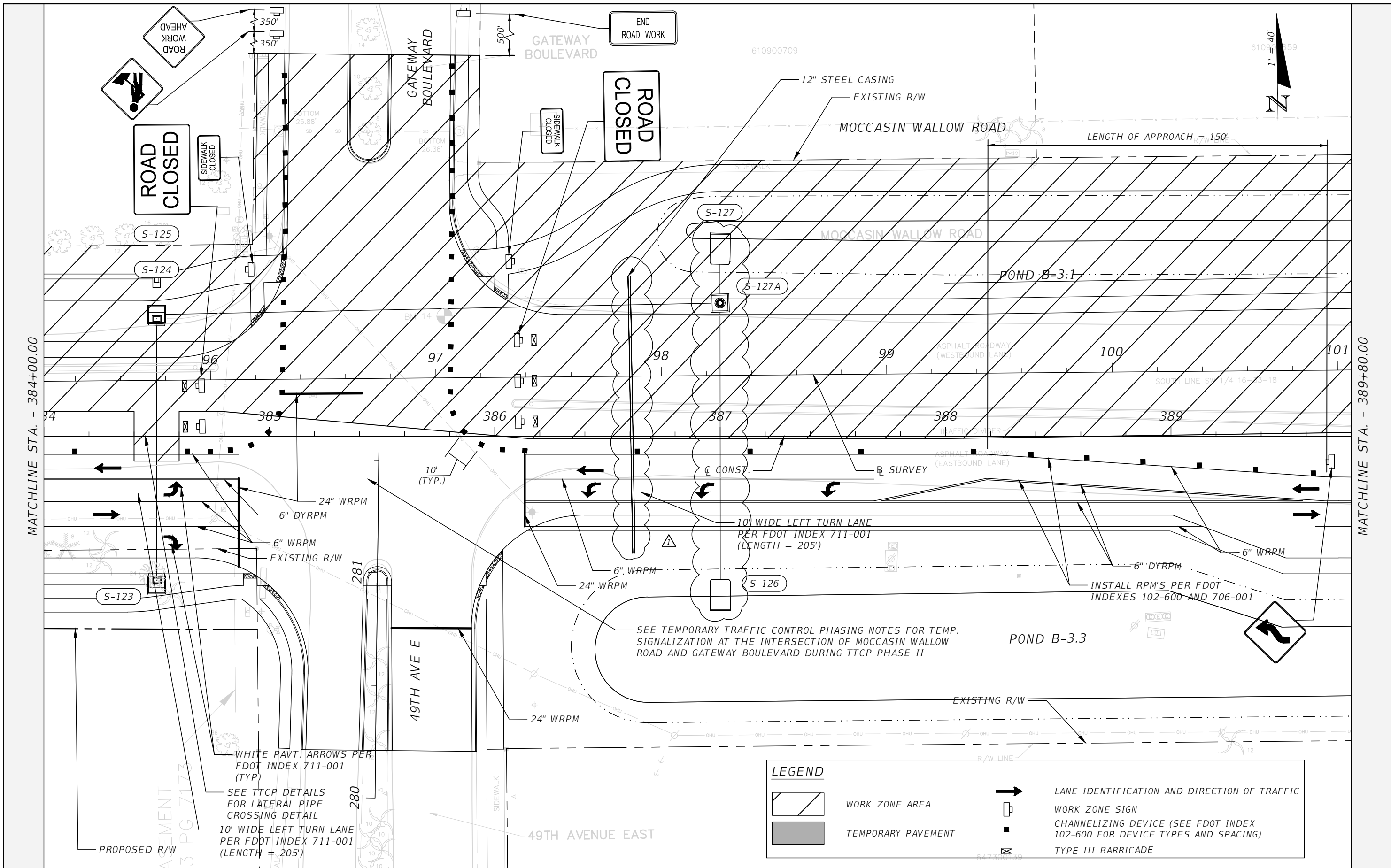
<b>MANATEE COUNTY</b>	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

**TEMPORARY TRAFFIC CONTROL  
PLAN (16) PHASE II**

SHEET NO.  
283

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





MATCHLINE STA. - 384+00.00

MATCHLINE STA. - 389+80.00



**LEGEND**

-  WORK ZONE AREA
-  TEMPORARY PAVEMENT
-  LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
-  WORK ZONE SIGN
-  CHANNELIZING DEVICE (SEE FDOT INDEX 102-600 FOR DEVICE TYPES AND SPACING)
-  TYPE III BARRICADE

WHITE PAVT. ARROWS PER FDOT INDEX 711-001 (TYP)  
 SEE TTCP DETAILS FOR LATERAL PIPE CROSSING DETAIL  
 10' WIDE LEFT TURN LANE PER FDOT INDEX 711-001 (LENGTH = 205')

SEE TEMPORARY TRAFFIC CONTROL PHASING NOTES FOR TEMP. SIGNALIZATION AT THE INTERSECTION OF MOCCASIN WALLOW ROAD AND GATEWAY BOULEVARD DURING TTCP PHASE II

INSTALL RPM'S PER FDOT INDEXES 102-600 AND 706-001

REVISIONS	
DATE	DESCRIPTION
07/11/2022	▲ DRAINAGE CHANGES DUE TO EXIST UTILITY

JEREMY FIORE RUNKLE, P.E.  
 P.E. LICENSE NUMBER 73855  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

<b>MANATEE COUNTY</b>	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

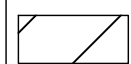




**TEMPORARY TRAFFIC CONTROL  
 PLAN (17) PHASE II**

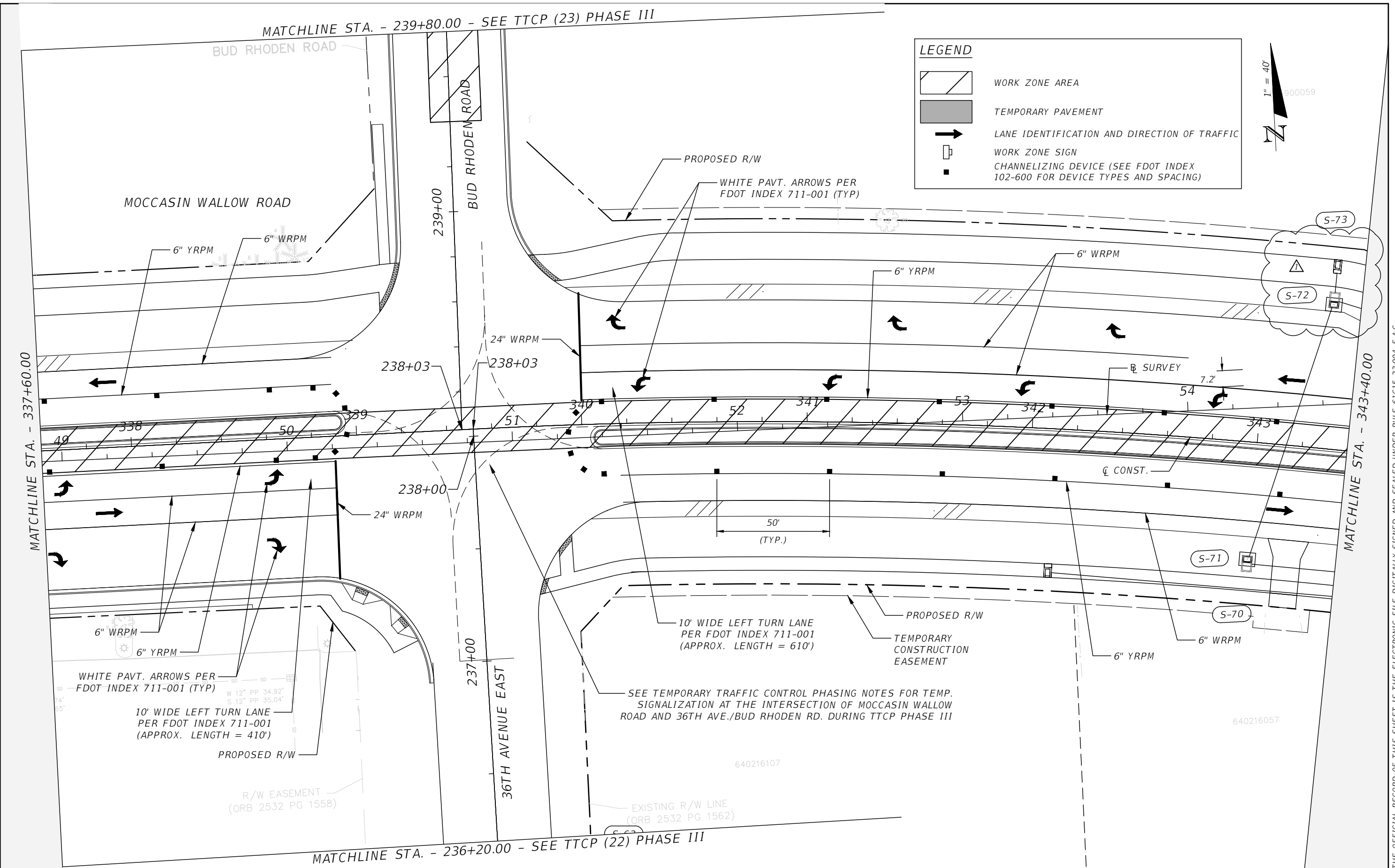
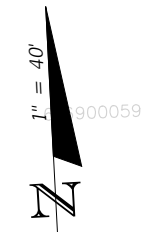
SHEET NO.
284

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

MATCHLINE STA. - 239+80.00 - SEE TTCP (23) PHASE III

**LEGEND**

-  WORK ZONE AREA
-  TEMPORARY PAVEMENT
-  LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
-  WORK ZONE SIGN
-  CHANNELIZING DEVICE (SEE FDOT INDEX 102-600 FOR DEVICE TYPES AND SPACING)



MATCHLINE STA. - 337+60.00

MATCHLINE STA. - 343+40.00

MATCHLINE STA. - 236+20.00 - SEE TTCP (22) PHASE III

REVISIONS	
DATE	DESCRIPTION
07/11/2022	▲ DRAINAGE CHANGES DUE TO EXIST UTILITY

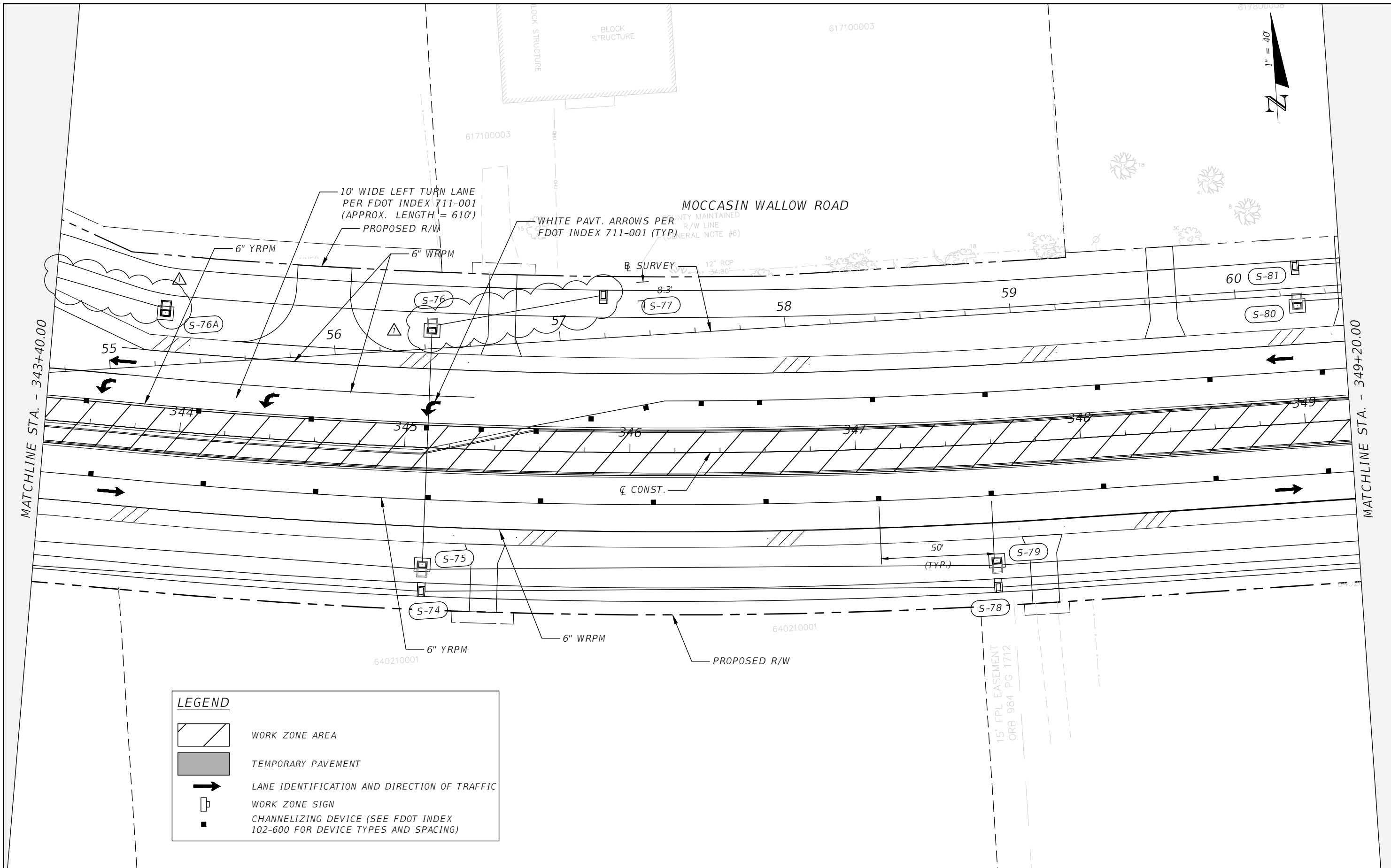
JEREMY FIORE RUNKLE, P.E.  
 P.E. LICENSE NUMBER 73855  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

<b>MANATEE COUNTY</b>	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

**TEMPORARY TRAFFIC CONTROL  
 PLAN (9) PHASE III**

SHEET NO.
300

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



LEGEND	
	WORK ZONE AREA
	TEMPORARY PAVEMENT
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	WORK ZONE SIGN
	CHANNELIZING DEVICE (SEE FDOT INDEX 102-600 FOR DEVICE TYPES AND SPACING)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/2022	DRAINAGE CHANGES DUE TO EXIST UTILITY		

JEREMY FIORE RUNKLE, P.E.  
 P.E. LICENSE NUMBER 73855  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

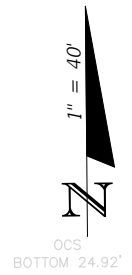
<b>MANATEE COUNTY</b>	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

**TEMPORARY TRAFFIC CONTROL  
 PLAN (10) PHASE III**

SHEET NO.
301

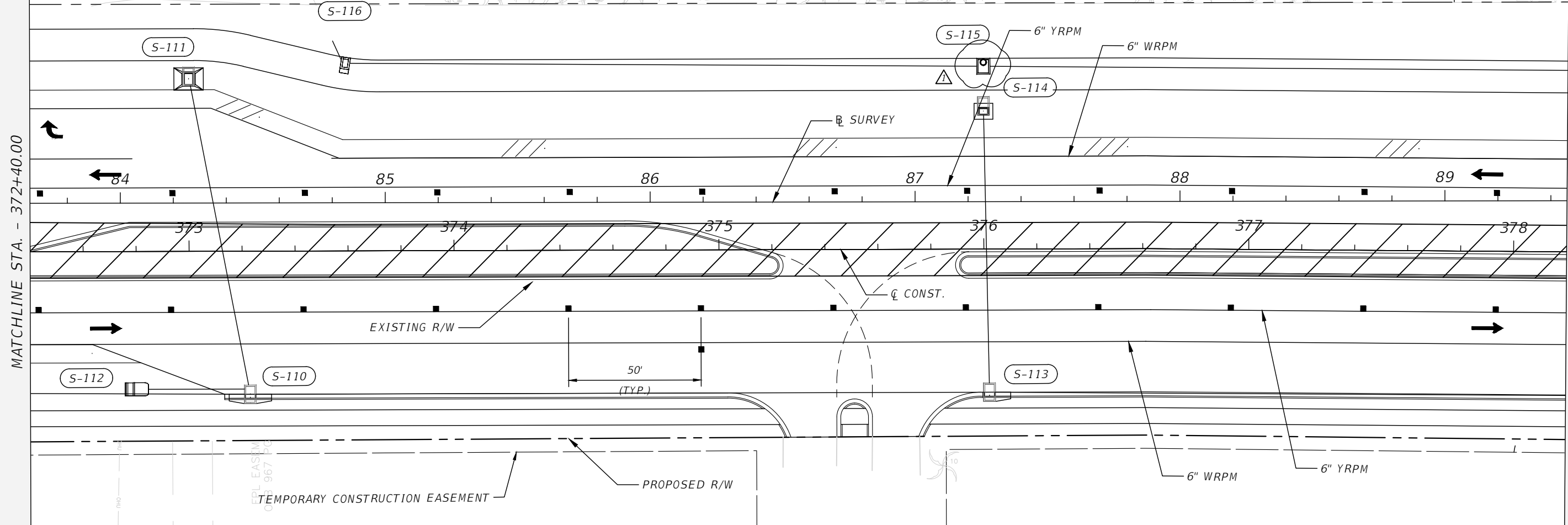
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

ARTISAN LAKES ESPLANADE  
PB 57 PG 65  
TRACT B-10



MOCCASIN WALLOW ROAD

R/W LINE



MATCHLINE STA. - 372+40.00

MATCHLINE STA. - 378+20.00

**LEGEND**

640100004

- WORK ZONE AREA
- TEMPORARY PAVEMENT
- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- WORK ZONE SIGN
- CHANNELIZING DEVICE (SEE FDOT INDEX 102-600 FOR DEVICE TYPES AND SPACING)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/2022	DRAINAGE STRUCTURE TYPE CHANGED		

JEREMY FIORE RUNKLE, P.E.  
P.E. LICENSE NUMBER 73855  
CARDNO  
380 PARK PLACE BLVD, SUITE 300  
CLEARWATER, FLORIDA 33759  
CERTIFICATE OF AUTHORIZATION 29915

MANATEE COUNTY	
ROAD NO. MOCCASIN WALLOW RD	PROJECT ID 6092560

**TEMPORARY TRAFFIC CONTROL  
PLAN (15) PHASE III**

SHEET NO.  
306

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



610900519

TRACT C-6

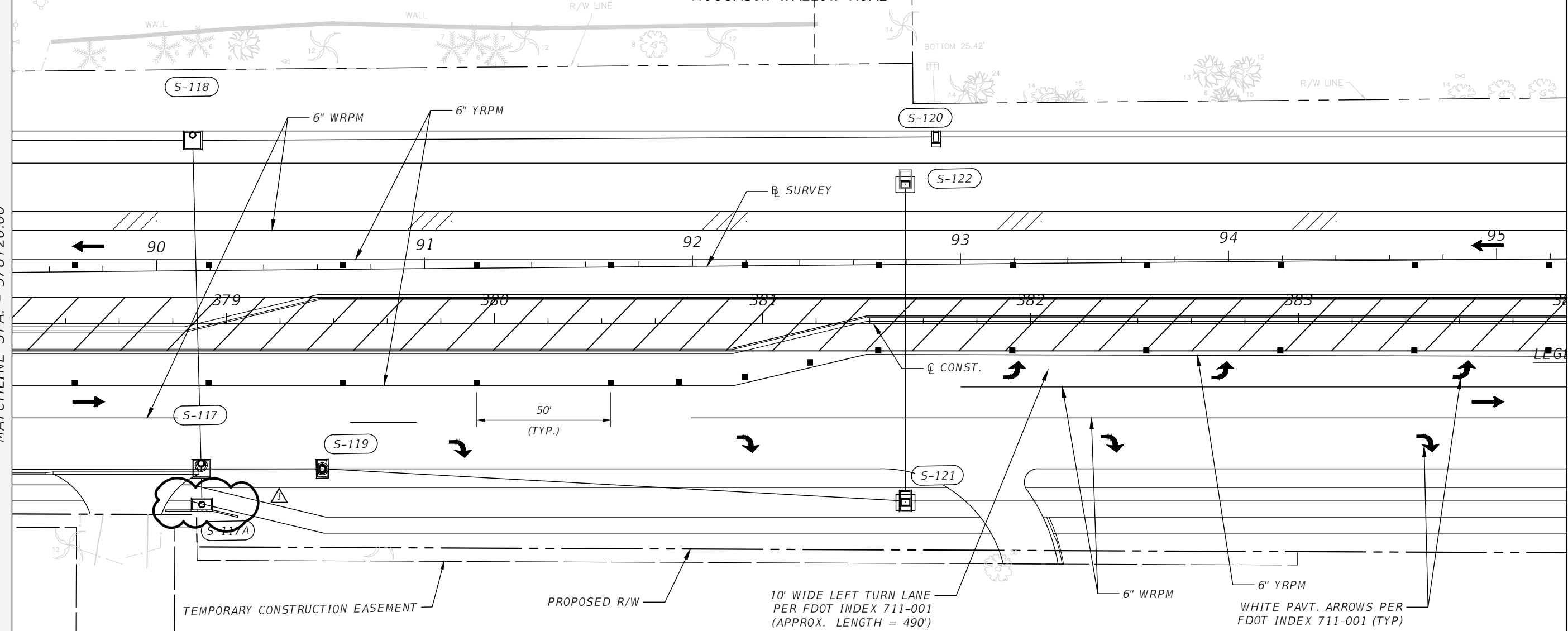
ARTISAN LAKES ESPLANADE  
PB 57 PG 65

TRACT G

MOCCASIN WALLOW ROAD

MATCHLINE STA. - 378+20.00

MATCHLINE STA. - 384+00.00



**LEGEND**

- WORK ZONE AREA
- TEMPORARY PAVEMENT
- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- WORK ZONE SIGN
- CHANNELIZING DEVICE (SEE FDOT INDEX 102-600 FOR DEVICE TYPES AND SPACING)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/2022	RETAINING WALL ADDED		

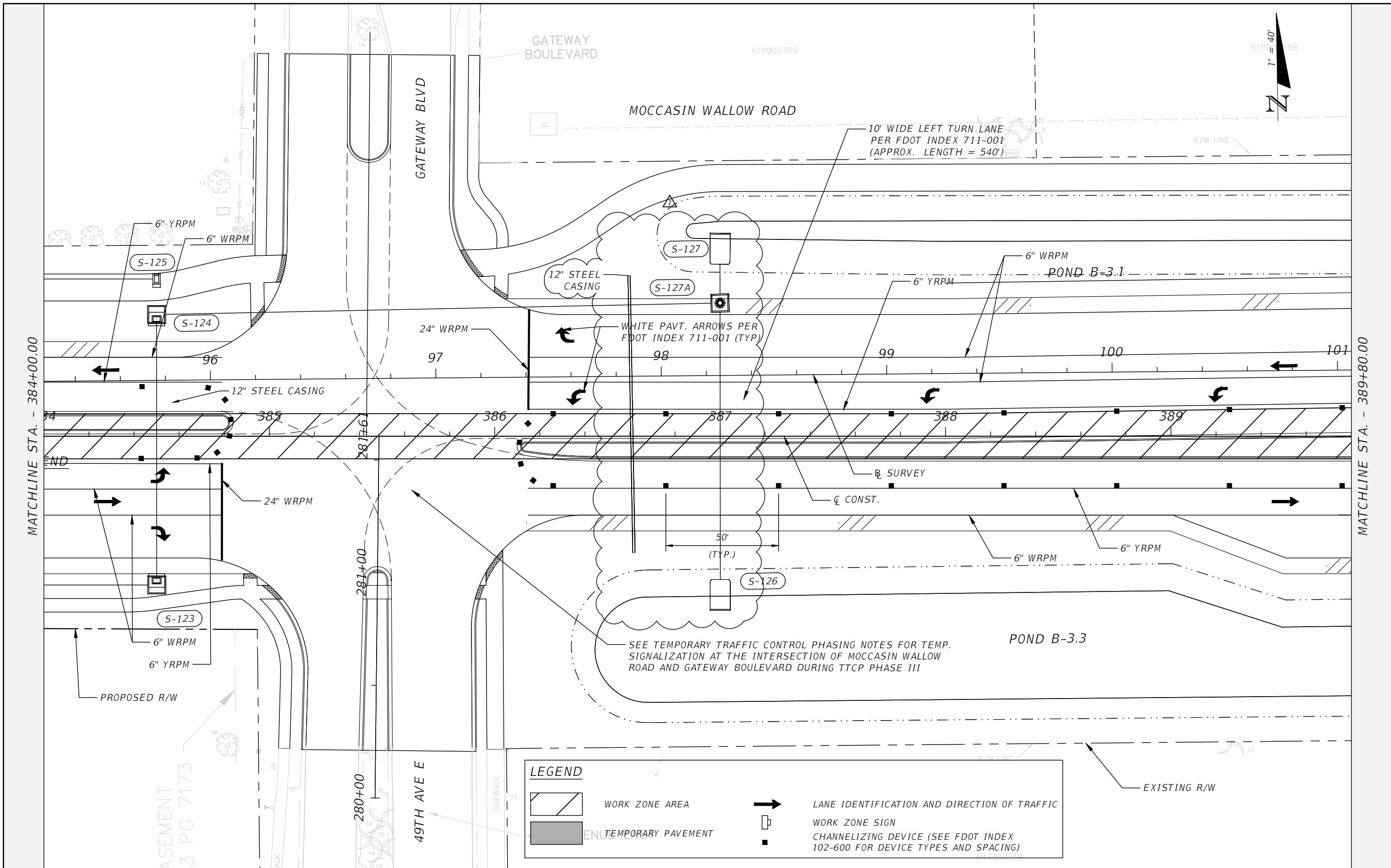
JEREMY FIORE RUNKLE, P.E.  
P.E. LICENSE NUMBER 73855  
CARDNO  
380 PARK PLACE BLVD, SUITE 300  
CLEARWATER, FLORIDA 33759  
CERTIFICATE OF AUTHORIZATION 29915

MANATEE COUNTY	
ROAD NO. MOCCASIN WALLOW RD	PROJECT ID 6092560






**TEMPORARY TRAFFIC CONTROL  
PLAN (16) PHASE III**

SHEET NO.  
307

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



**LEGEND**

-  WORK ZONE AREA
-  TEMPORARY PAVEMENT
-  LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
-  WORK ZONE SIGN
-  CHANNELIZING DEVICE (SEE FDOT INDEX 102-600 FOR DEVICE TYPES AND SPACING)

REVISIONS	
DATE	DESCRIPTION
07/11/2022	▲ DRAINAGE CHANGES DUE TO EXIST UTILITY

JEREMY FIORE RUNKLE, P.E.  
 P.E. LICENSE NUMBER 73855  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

<b>MANATEE COUNTY</b>	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

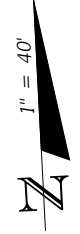
**TEMPORARY TRAFFIC CONTROL  
 PLAN (17) PHASE III**

SHEET NO.  
 308

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

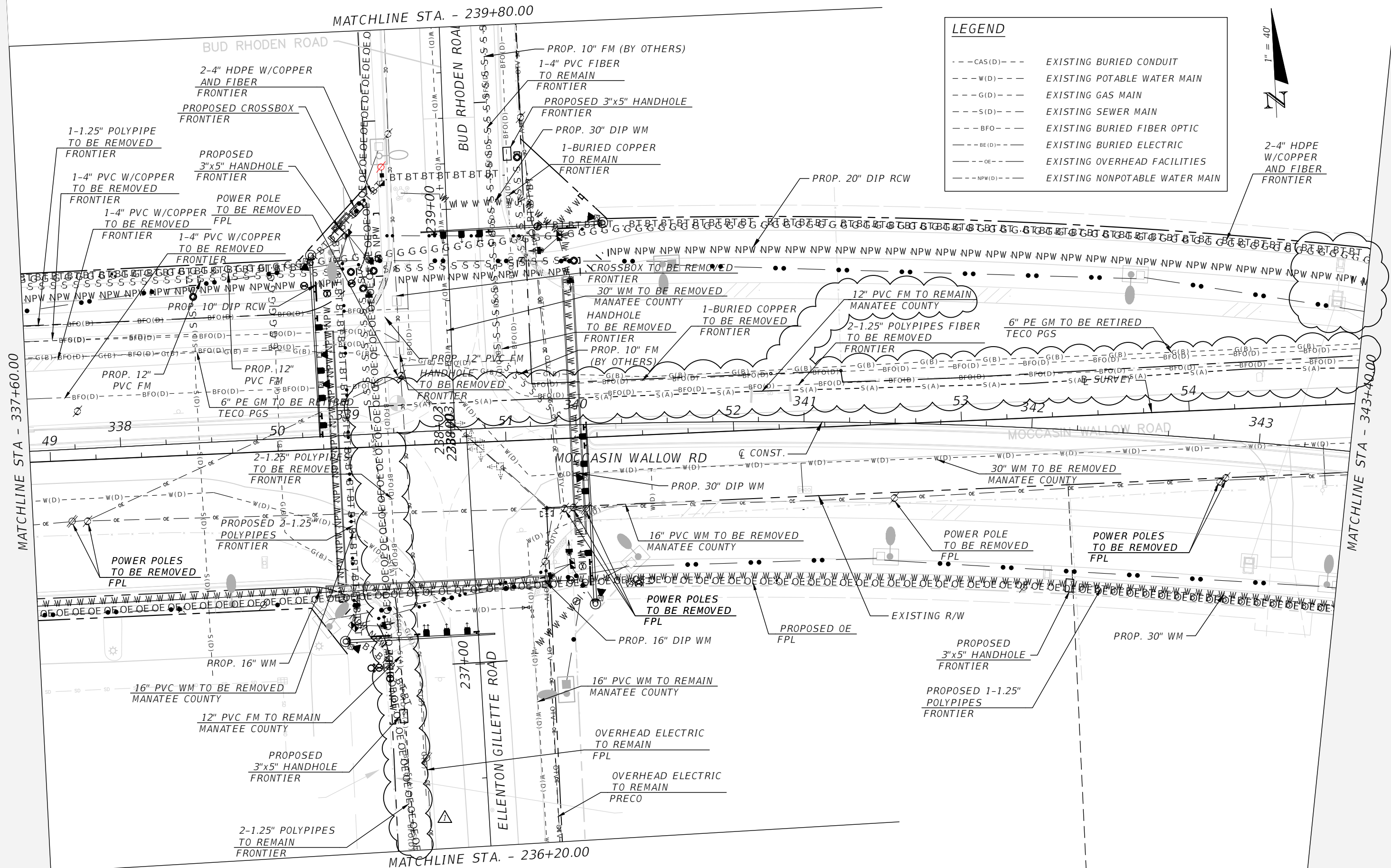
MATCHLINE STA. - 239+80.00

LEGEND	
---CAS(D)---	EXISTING BURIED CONDUIT
---W(D)---	EXISTING POTABLE WATER MAIN
---G(D)---	EXISTING GAS MAIN
---S(D)---	EXISTING SEWER MAIN
---BFO---	EXISTING BURIED FIBER OPTIC
---BE(D)---	EXISTING BURIED ELECTRIC
---OE---	EXISTING OVERHEAD FACILITIES
---NPW(D)---	EXISTING NONPOTABLE WATER MAIN



MATCHLINE STA - 337+60.00

MATCHLINE STA - 343+40.00



MATCHLINE STA. - 236+20.00

REVISIONS	
DATE	DESCRIPTION
07/11/2022	UPDATE TO EXIST UTILITY FM AND PROPOSED DRAINAGE

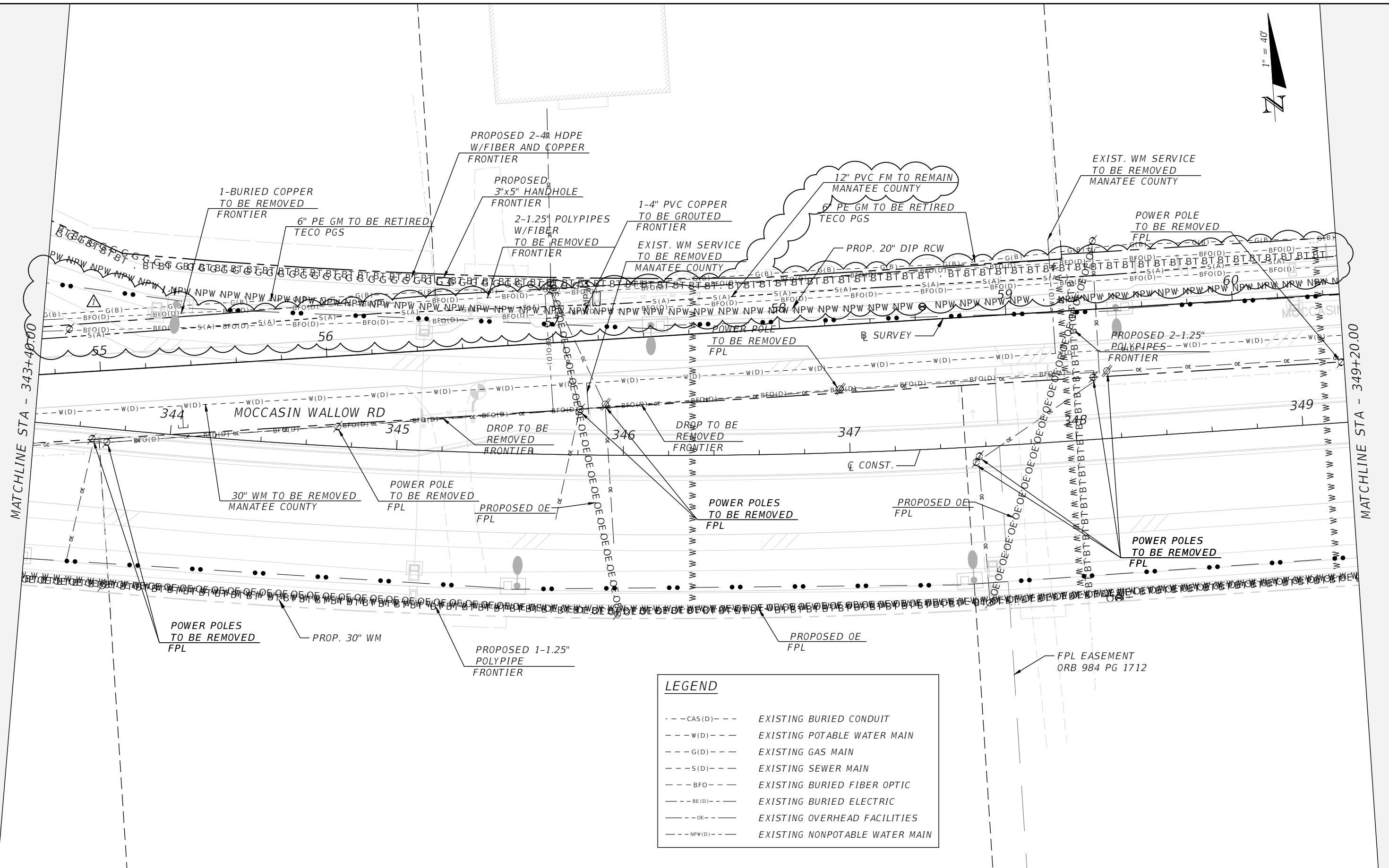
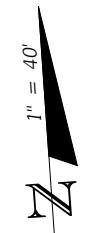
HAMID R. FARAJI, P.E.  
 P.E. LICENSE NUMBER 51581  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

MANATEE COUNTY	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

UTILITY ADJUSTMENTS (9)

SHEET NO.	324
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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.



**LEGEND**

---CAS(D)---	EXISTING BURIED CONDUIT
---W(D)---	EXISTING POTABLE WATER MAIN
---G(D)---	EXISTING GAS MAIN
---S(D)---	EXISTING SEWER MAIN
---BFO---	EXISTING BURIED FIBER OPTIC
---BE(D)---	EXISTING BURIED ELECTRIC
---OE---	EXISTING OVERHEAD FACILITIES
---NPW(D)---	EXISTING NONPOTABLE WATER MAIN

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/2022	UPDATE TO EXIST UTILITY FM		

HAMID R. FARAJI, P.E.  
 P.E. LICENSE NUMBER 51581  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

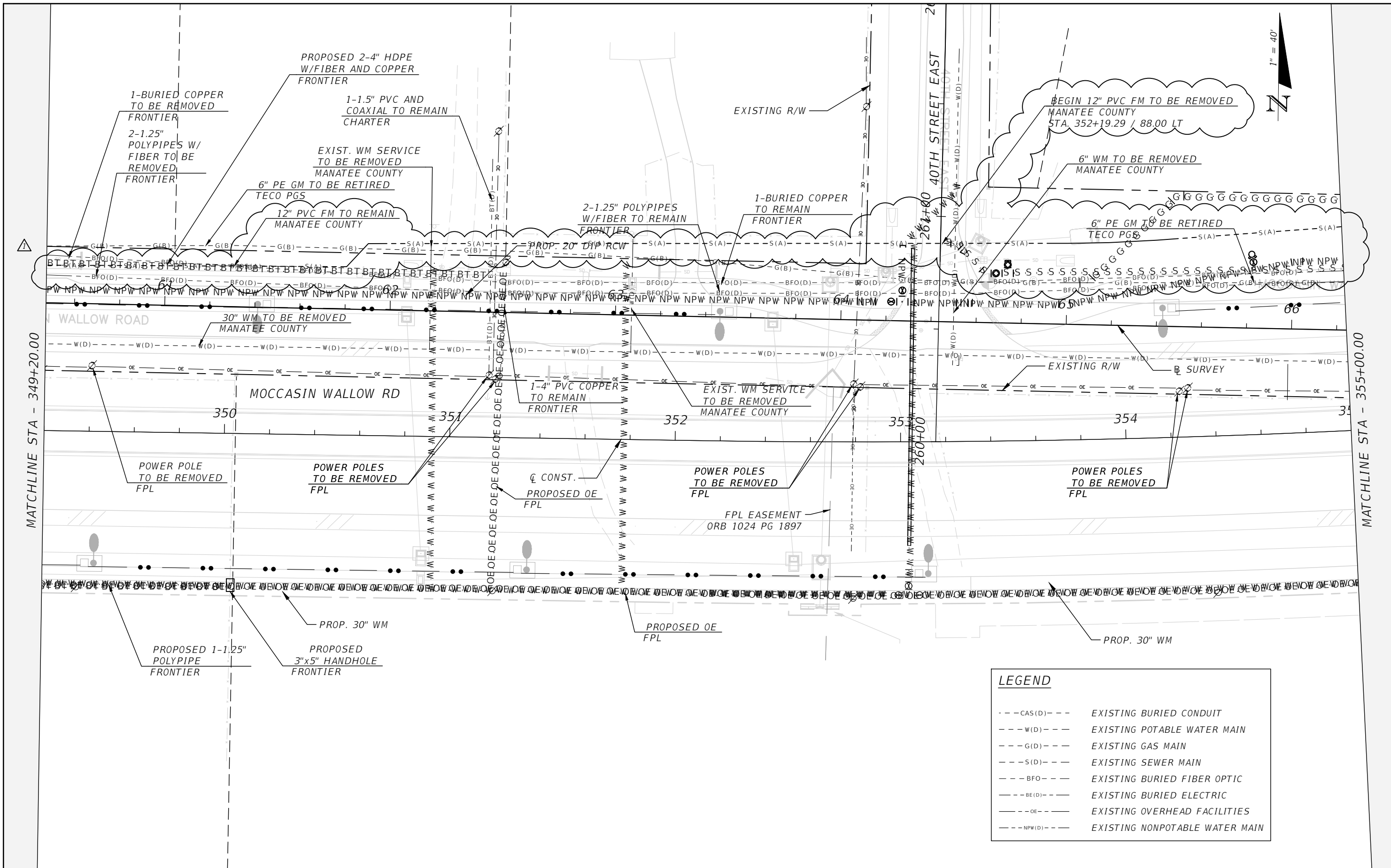
MANATEE COUNTY	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

**UTILITY ADJUSTMENTS (10)**

SHEET NO.  
325

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
07/11/2022	△	07/11/2022	UPDATE TO EXIST UTILITY FM

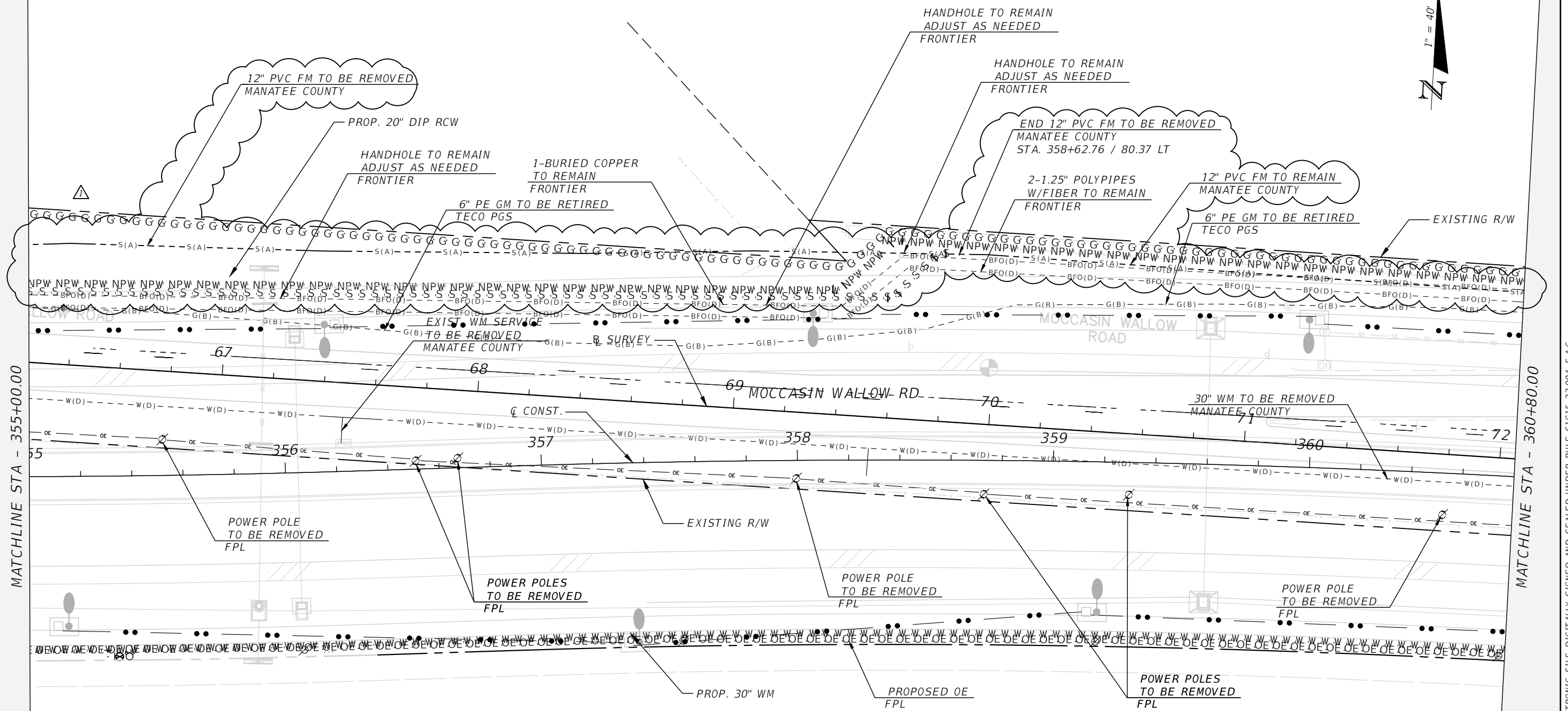
HAMID R. FARAJI, P.E.  
 P.E. LICENSE NUMBER 51581  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

<b>MANATEE COUNTY</b>	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

**UTILITY ADJUSTMENTS (11)**

SHEET NO.
326

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



LEGEND	
---CAS(D)---	EXISTING BURIED CONDUIT
---W(D)---	EXISTING POTABLE WATER MAIN
---G(D)---	EXISTING GAS MAIN
---S(D)---	EXISTING SEWER MAIN
---BFO---	EXISTING BURIED FIBER OPTIC
---BE(D)---	EXISTING BURIED ELECTRIC
---OE---	EXISTING OVERHEAD FACILITIES
---NPW(D)---	EXISTING NONPOTABLE WATER MAIN

MATCHLINE STA - 355+00.00

MATCHLINE STA - 360+80.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/2022	UPDATE TO EXIST UTILITY FM		

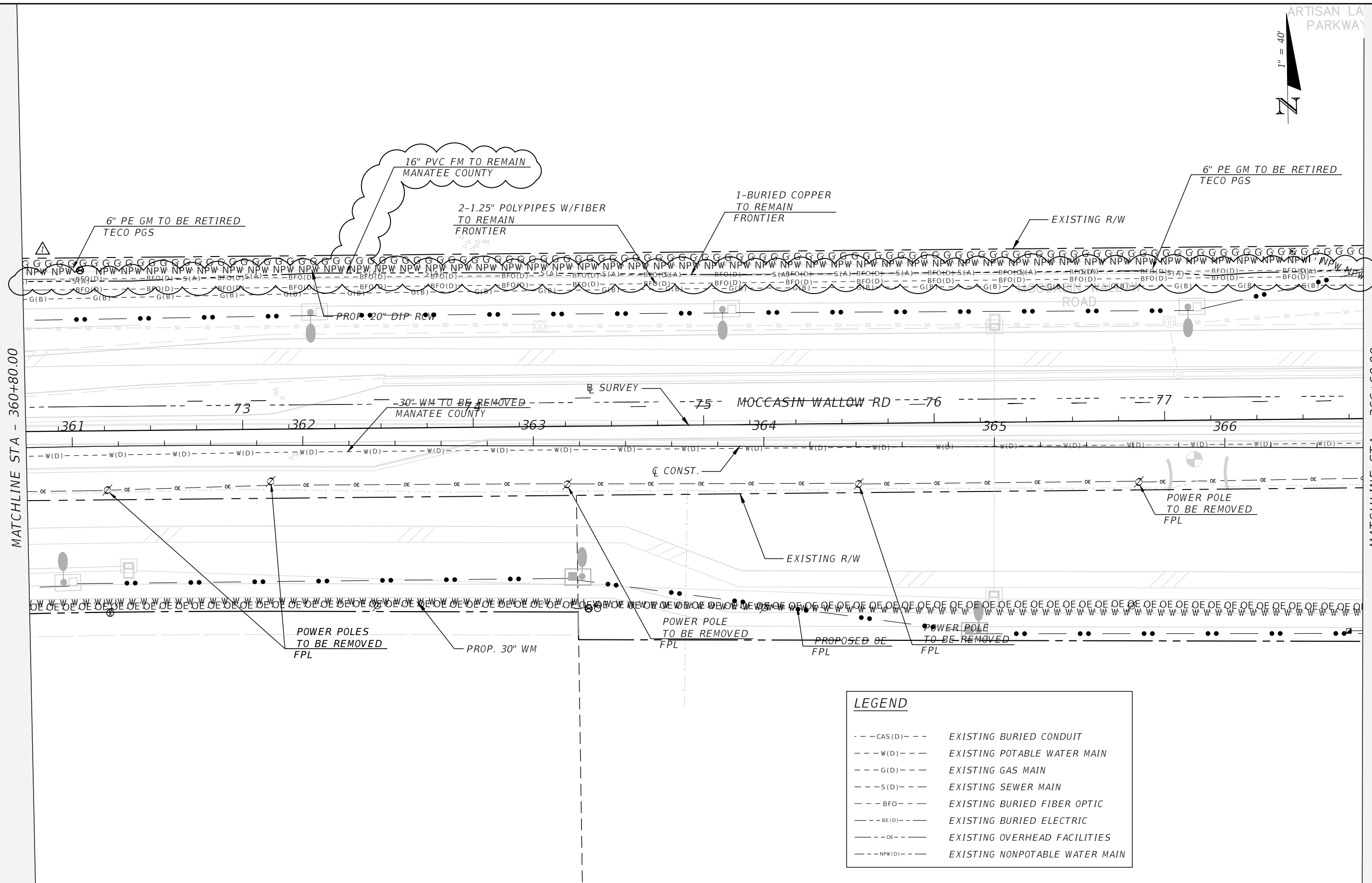
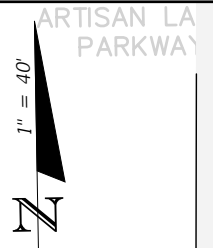
HAMID R. FARAJI, P.E.  
 P.E. LICENSE NUMBER 51581  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

<b>MANATEE COUNTY</b>	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

**UTILITY ADJUSTMENTS (12)**

SHEET NO.  
327

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



MATCHLINE STA - 360+80.00

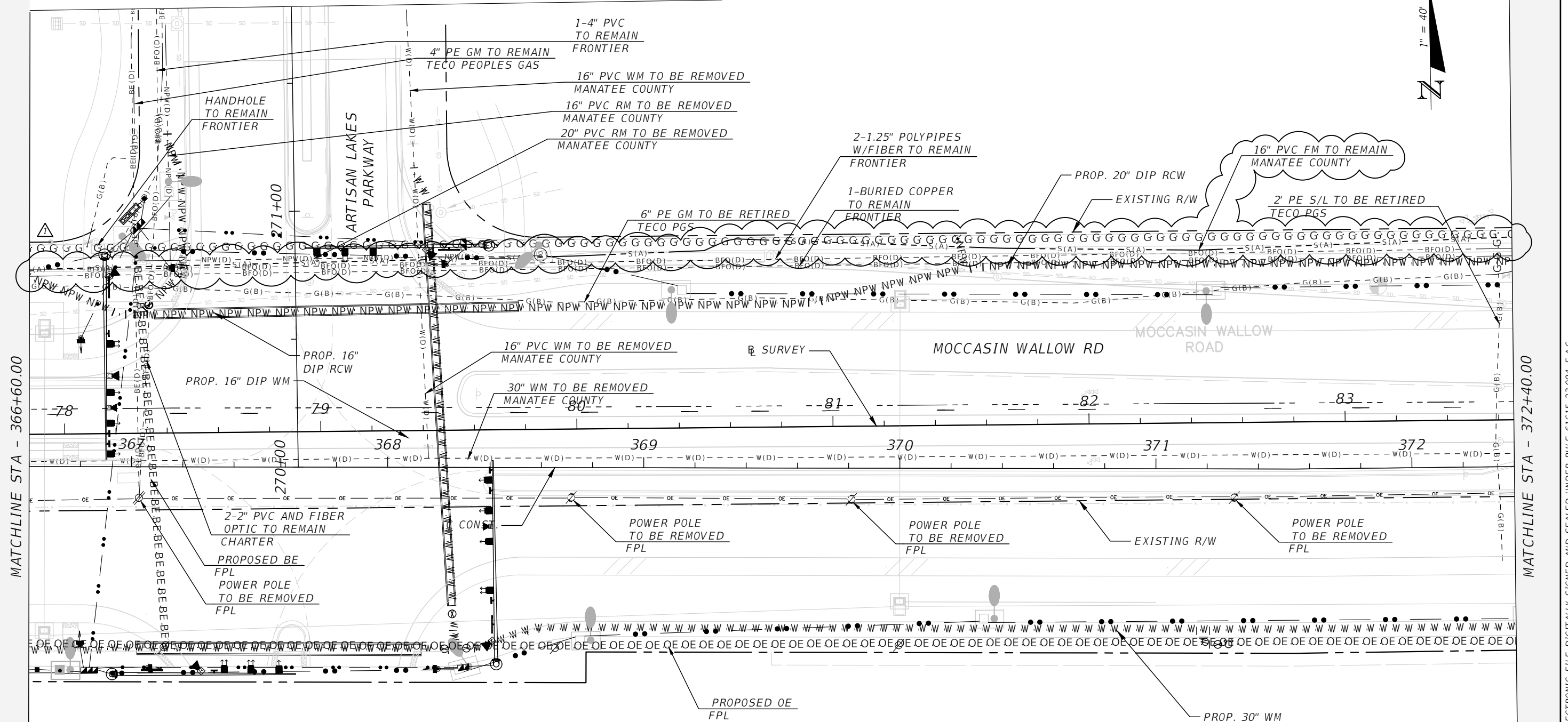
MATCHLINE STA - 366+60.00

LEGEND	
---CAS(D)---	EXISTING BURIED CONDUIT
---W(D)---	EXISTING POTABLE WATER MAIN
---G(D)---	EXISTING GAS MAIN
---S(D)---	EXISTING SEWER MAIN
---BFO---	EXISTING BURIED FIBER OPTIC
---BE(D)---	EXISTING BURIED ELECTRIC
---OE---	EXISTING OVERHEAD FACILITIES
---NPW(D)---	EXISTING NONPOTABLE WATER MAIN

REVISIONS				HAMID R. FARAJI, P.E. P.E. LICENSE NUMBER 51581 CARDNO 380 PARK PLACE BLVD, SUITE 300 CLEARWATER, FLORIDA 33759 CERTIFICATE OF AUTHORIZATION 29915	MANATEE COUNTY		UTILITY ADJUSTMENTS (13)	SHEET NO.  328
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	PROJECT ID		
07/11/2022	UPDATE TO EXIST UTILITY FM			MOCCASIN WALLOW RD	6092560			

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

MATCHLINE - STA 271+80.00 - SEE PLAN (25)



LEGEND	
---CAS(D)---	EXISTING BURIED CONDUIT
---W(D)---	EXISTING POTABLE WATER MAIN
---G(D)---	EXISTING GAS MAIN
---S(D)---	EXISTING SEWER MAIN
---BFO---	EXISTING BURIED FIBER OPTIC
---BE(D)---	EXISTING BURIED ELECTRIC
---OE---	EXISTING OVERHEAD FACILITIES
---NPW(D)---	EXISTING NONPOTABLE WATER MAIN

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/2022	UPDATE TO EXIST UTILITY FM		

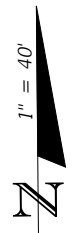
HAMID R. FARAJI, P.E.  
 P.E. LICENSE NUMBER 51581  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

<b>MANATEE COUNTY</b>	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

**UTILITY ADJUSTMENTS (14)**

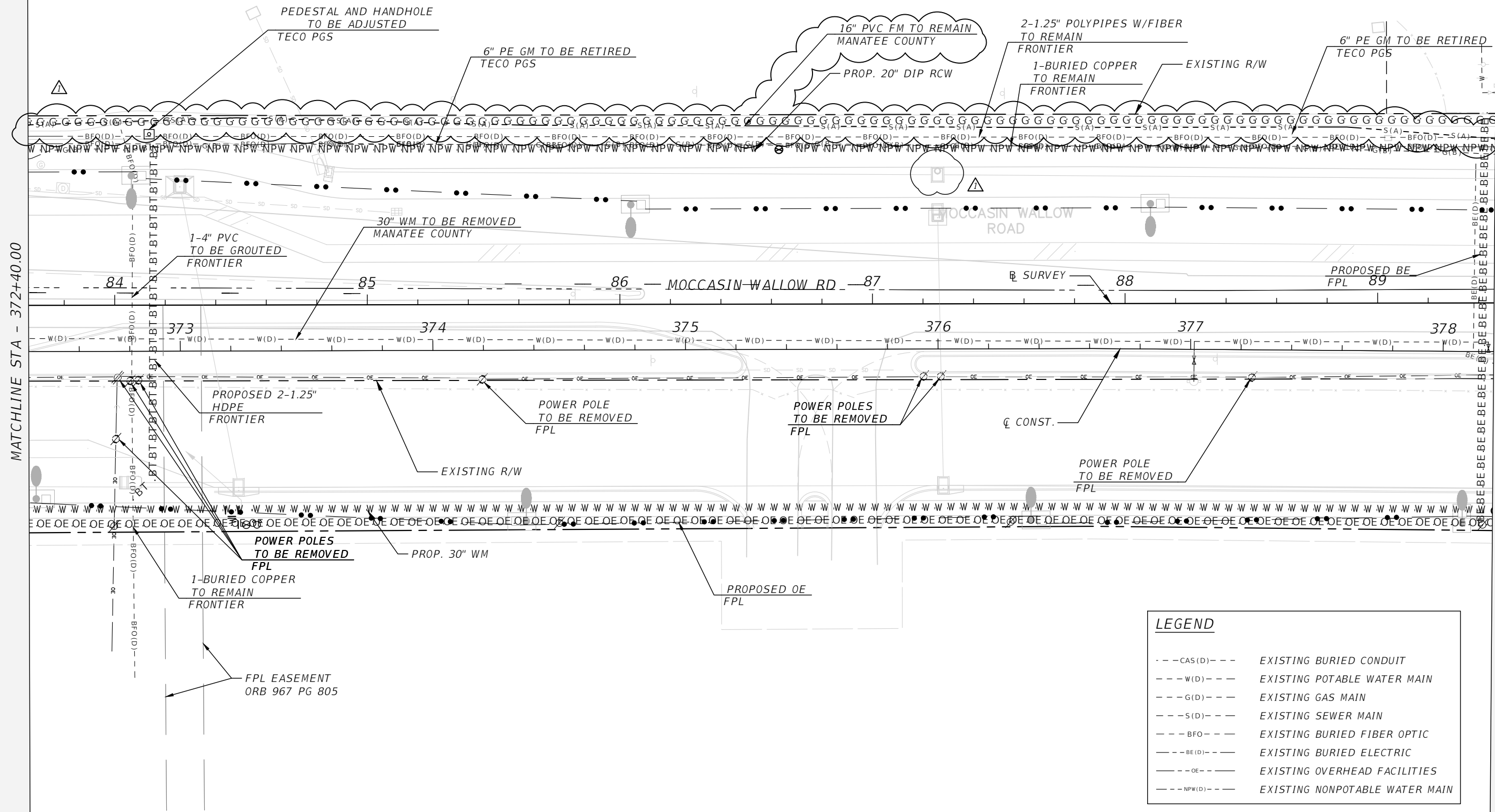
SHEET NO.
329

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



MATCHLINE STA - 372+40.00

MATCHLINE STA - 378+20.00



LEGEND	
---CAS(D)---	EXISTING BURIED CONDUIT
---W(D)---	EXISTING POTABLE WATER MAIN
---G(D)---	EXISTING GAS MAIN
---S(D)---	EXISTING SEWER MAIN
---BFO---	EXISTING BURIED FIBER OPTIC
---BE(D)---	EXISTING BURIED ELECTRIC
---OE---	EXISTING OVERHEAD FACILITIES
---NPW(D)---	EXISTING NONPOTABLE WATER MAIN

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/2022	UPDATE TO EXIST UTILITY FM DRAINAGE STRUCTURE TYPE CHANGED		

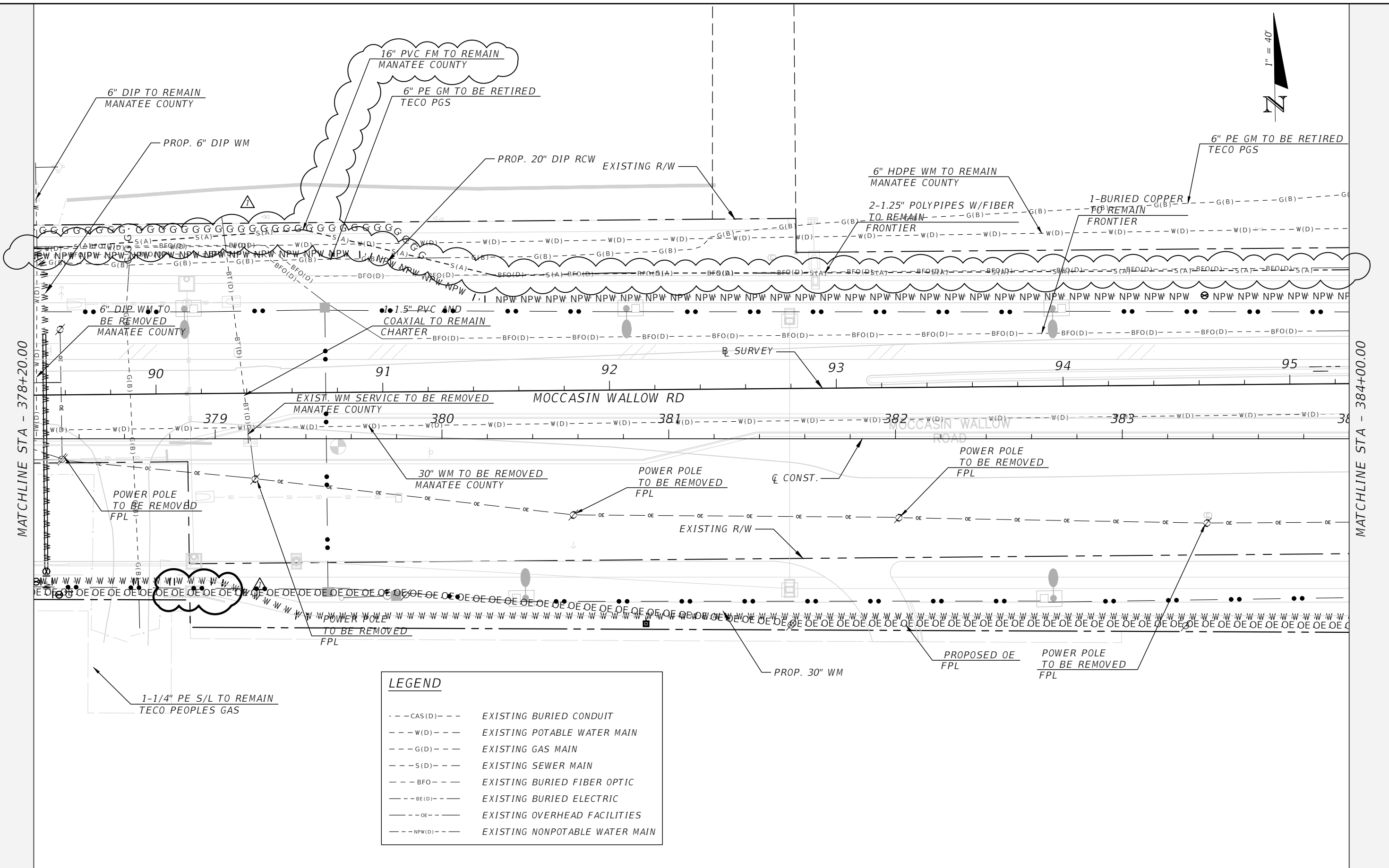
HAMID R. FARAJI, P.E.  
 P.E. LICENSE NUMBER 51581  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

<b>MANATEE COUNTY</b>	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

**UTILITY ADJUSTMENTS (15)**

SHEET NO.  
330

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



LEGEND	
---CAS(D)---	EXISTING BURIED CONDUIT
---W(D)---	EXISTING POTABLE WATER MAIN
---G(D)---	EXISTING GAS MAIN
---S(D)---	EXISTING SEWER MAIN
---BFO---	EXISTING BURIED FIBER OPTIC
---BE(D)---	EXISTING BURIED ELECTRIC
---OE---	EXISTING OVERHEAD FACILITIES
---NPW(D)---	EXISTING NONPOTABLE WATER MAIN

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/2022	UPDATE TO EXIST UTILITY FM RETAINING WALL ADDED		

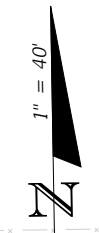
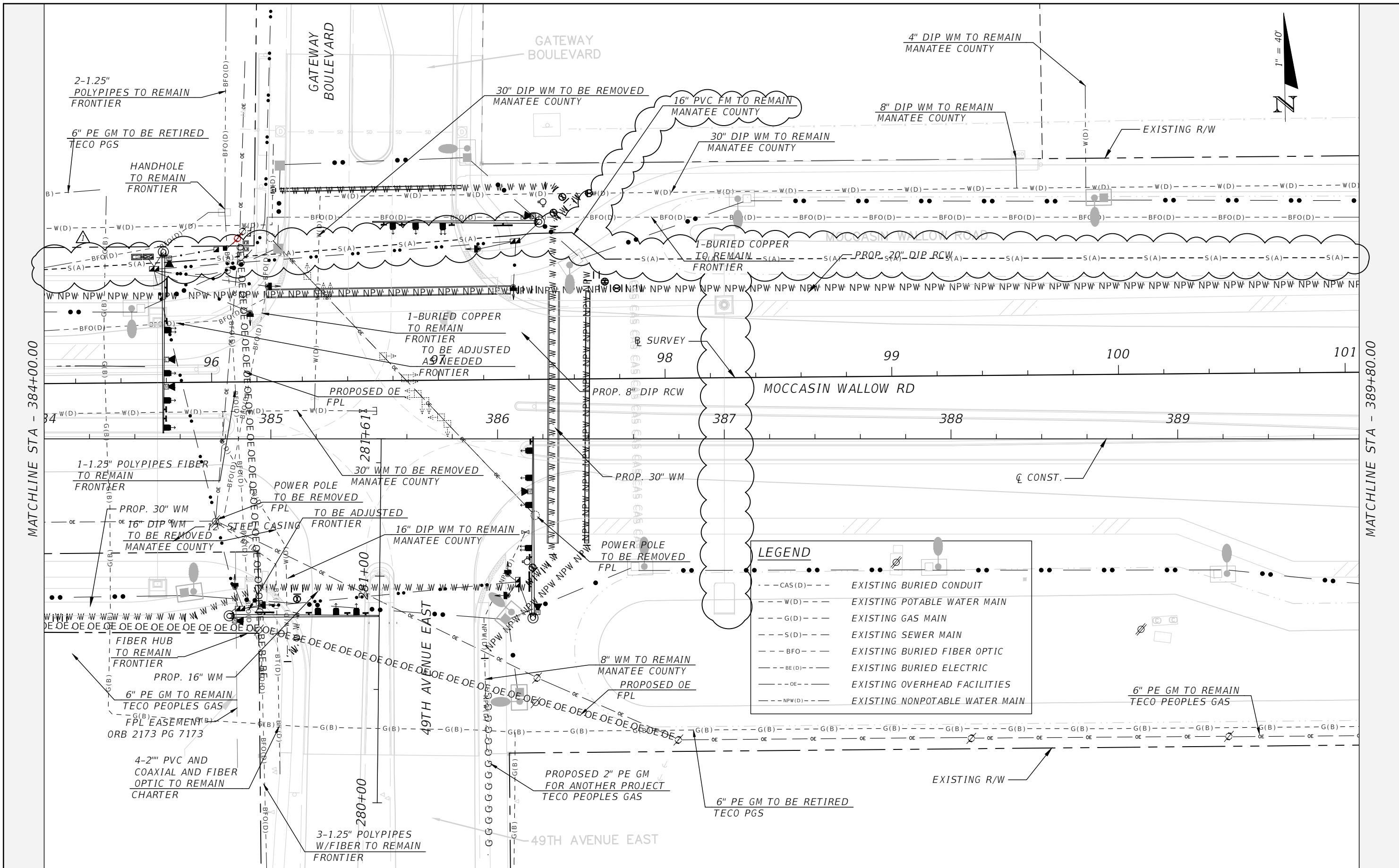
HAMID R. FARAJI, P.E.  
 P.E. LICENSE NUMBER 51581  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

MANATEE COUNTY	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

**UTILITY ADJUSTMENTS (16)**

SHEET NO.
331

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



MATCHLINE STA - 384+00.00

MATCHLINE STA - 389+80.00

REVISIONS	
DATE	DESCRIPTION
07/11/2022	UPDATE TO EXIST UTILITY FM

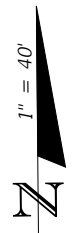
HAMID R. FARAJI, P.E.  
 P.E. LICENSE NUMBER 51581  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

MANATEE COUNTY	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

**UTILITY ADJUSTMENTS (17)**

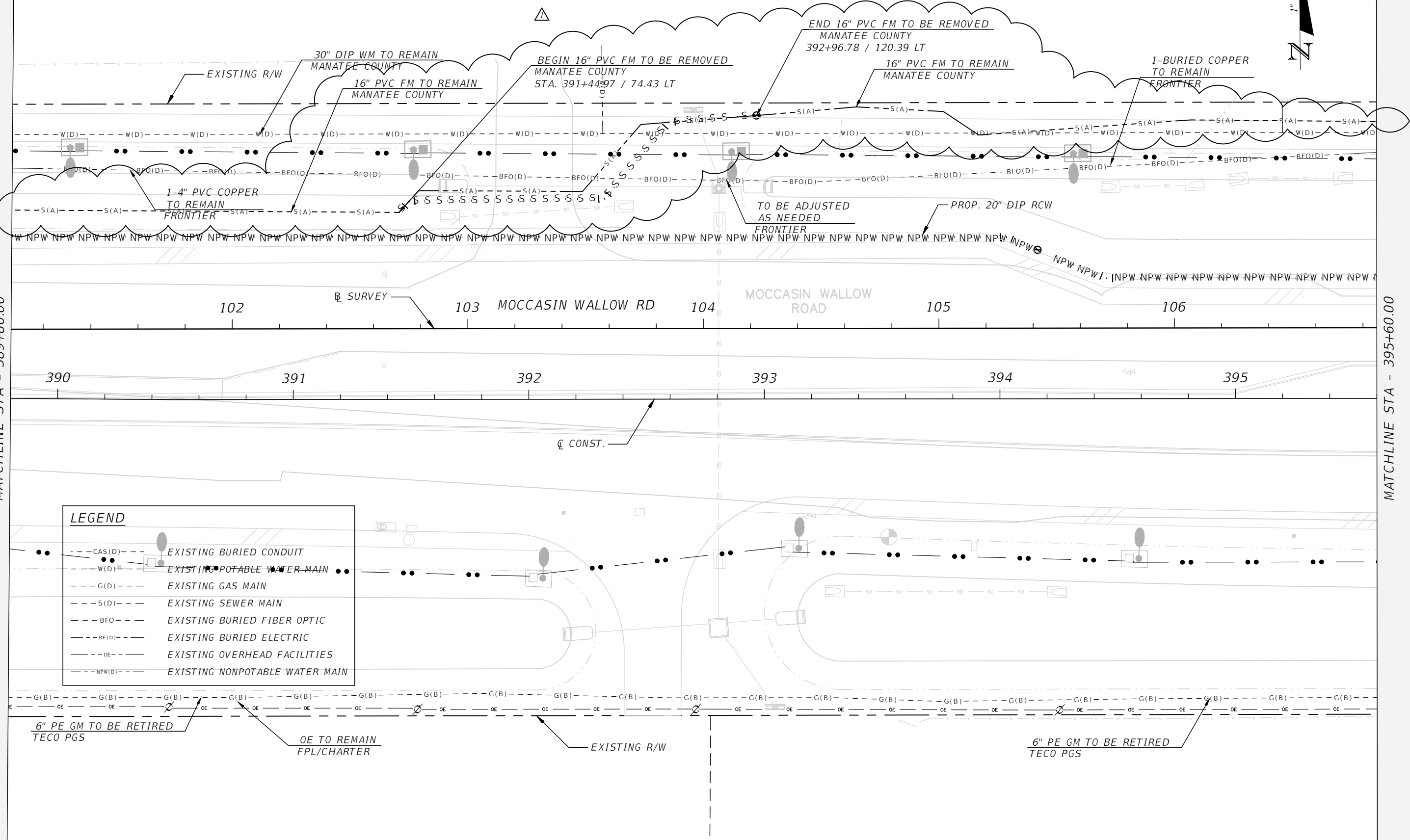
SHEET NO.
332

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



MATCHLINE STA - 389+80.00

MATCHLINE STA - 395+60.00



LEGEND	
--- CAS(D) ---	EXISTING BURIED CONDUIT
--- W(D) ---	EXISTING POTABLE WATER MAIN
--- G(D) ---	EXISTING GAS MAIN
--- S(D) ---	EXISTING SEWER MAIN
--- BFO ---	EXISTING BURIED FIBER OPTIC
--- BE(D) ---	EXISTING BURIED ELECTRIC
--- OE ---	EXISTING OVERHEAD FACILITIES
--- NPW(D) ---	EXISTING NONPOTABLE WATER MAIN

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/2022	UPDATE TO EXIST UTILITY FM		

HAMID R. FARAJI, P.E.  
 P.E. LICENSE NUMBER 51581  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

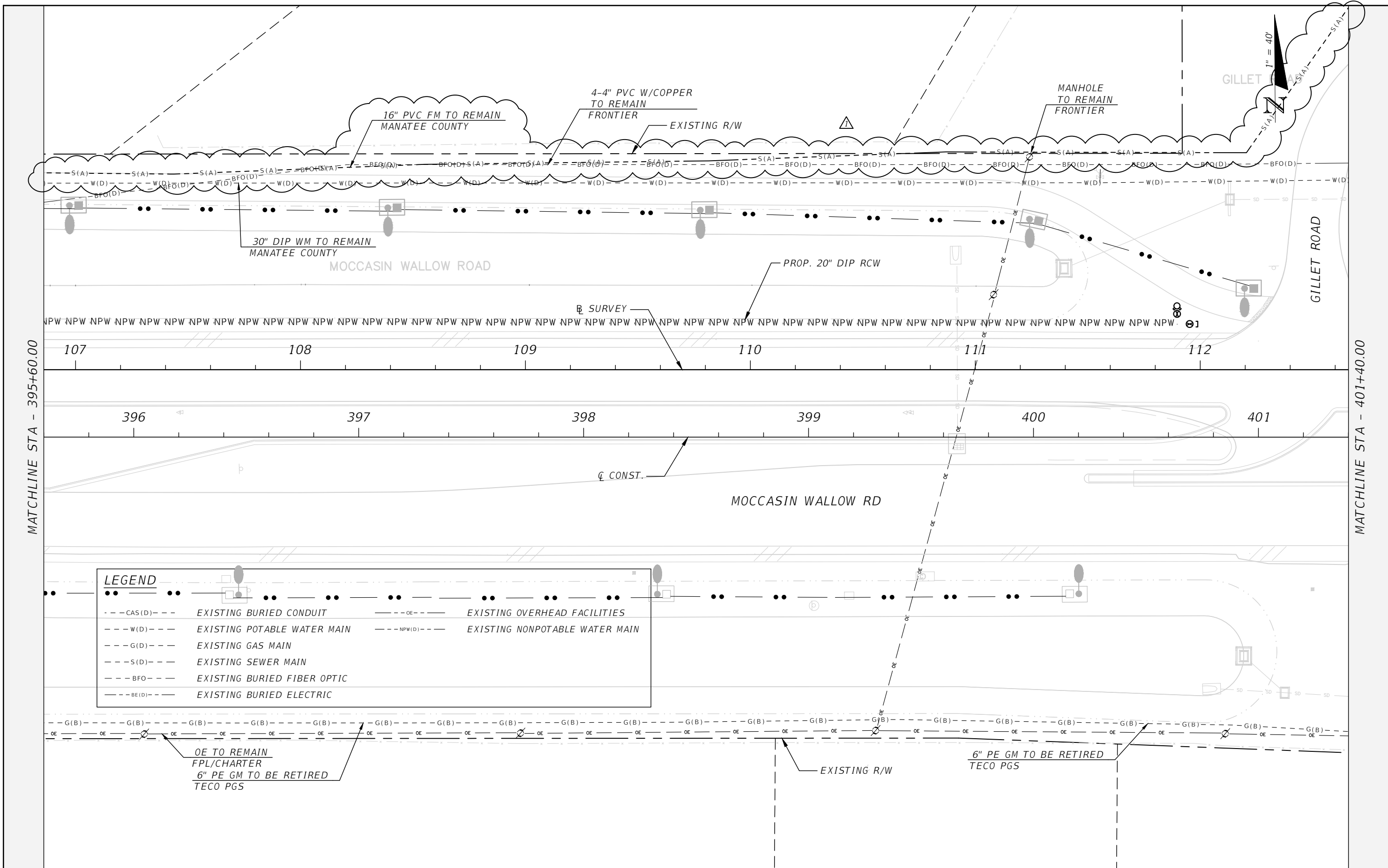
<b>MANATEE COUNTY</b>	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

**UTILITY ADJUSTMENTS (18)**

SHEET NO.  
333

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





LEGEND			
---CAS(D)---	EXISTING BURIED CONDUIT	---OE---	EXISTING OVERHEAD FACILITIES
---W(D)---	EXISTING POTABLE WATER MAIN	---NPW(D)---	EXISTING NONPOTABLE WATER MAIN
---G(D)---	EXISTING GAS MAIN		
---S(D)---	EXISTING SEWER MAIN		
---BFO---	EXISTING BURIED FIBER OPTIC		
---BE(D)---	EXISTING BURIED ELECTRIC		

MATCHLINE STA - 395+60.00

MATCHLINE STA - 401+40.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/2022	UPDATE TO EXIST UTILITY FM		

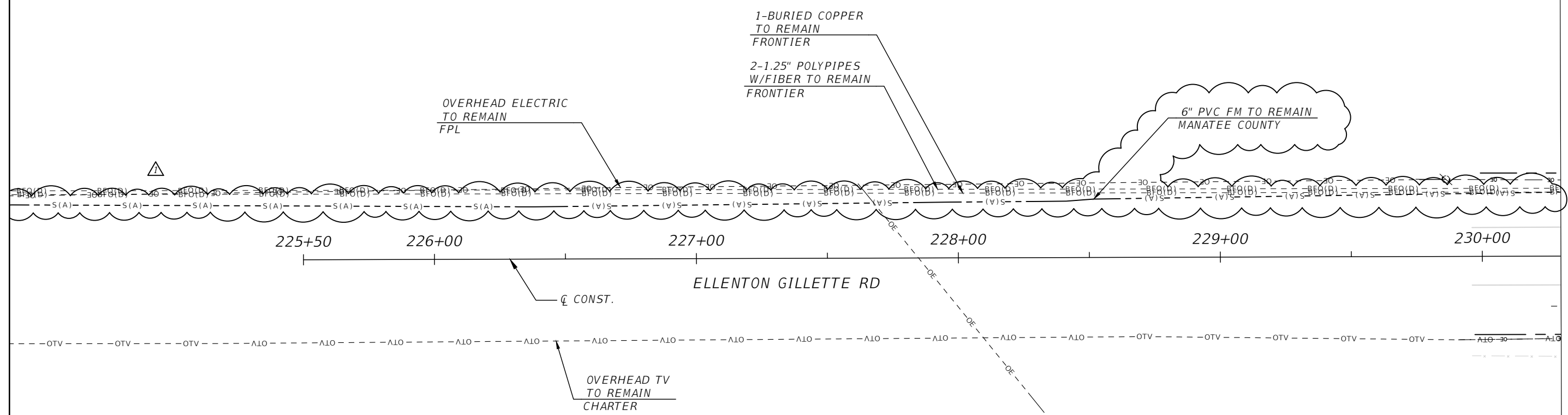
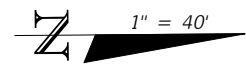
HAMID R. FARAJI, P.E.  
 P.E. LICENSE NUMBER 51581  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

<b>MANATEE COUNTY</b>	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

**UTILITY ADJUSTMENTS (19)**

SHEET NO.  
334

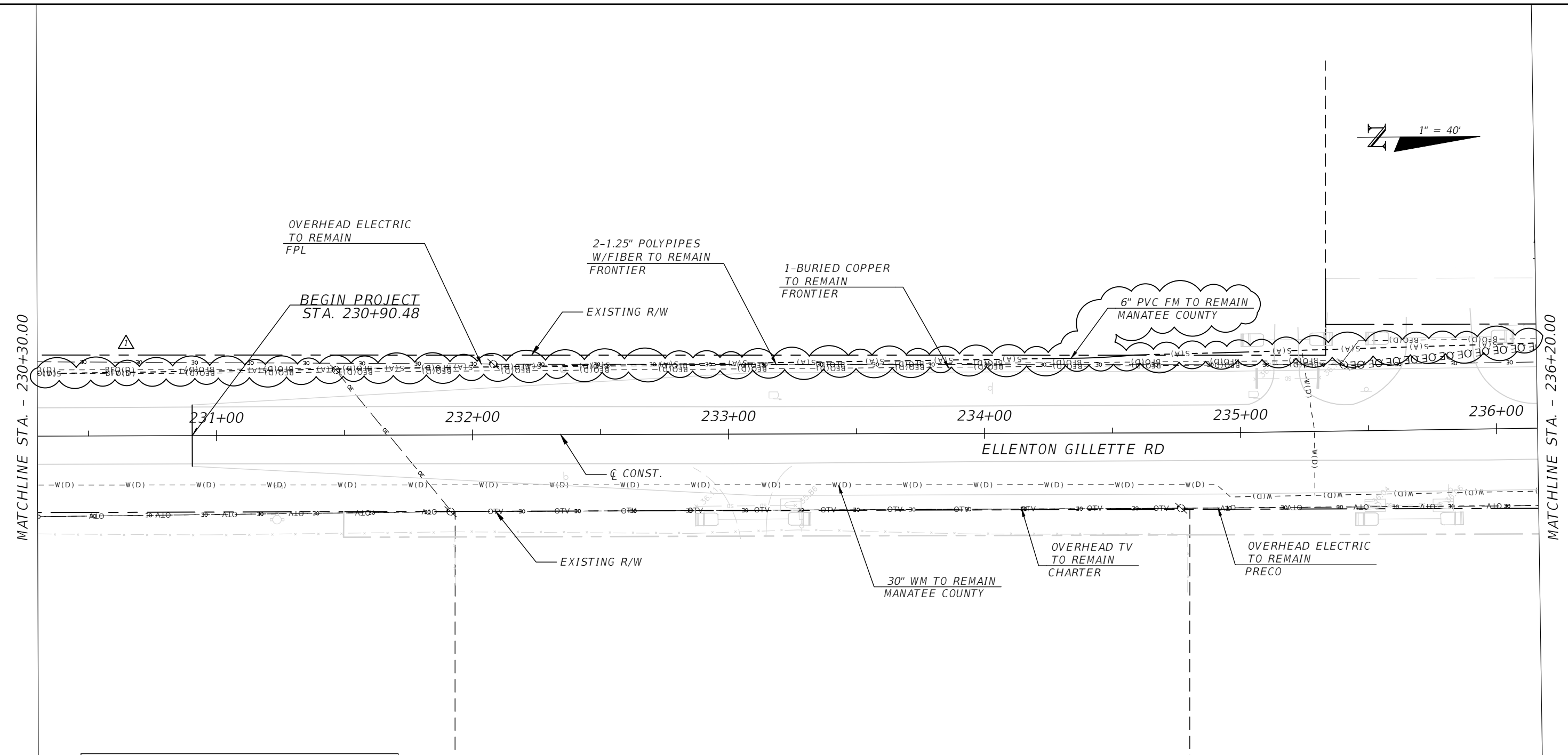
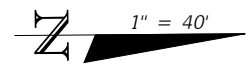
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MATCHLINE STA. - 230+30.00

REVISIONS				HAMID R. FARAJI, P.E. P.E. LICENSE NUMBER 51581 CARDNO 380 PARK PLACE BLVD, SUITE 300 CLEARWATER, FLORIDA 33759 CERTIFICATE OF AUTHORIZATION 29915	MANATEE COUNTY		UTILITY ADJUSTMENTS (22)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	PROJECT ID		337
07/11/2022	△ UPDATE TO EXIST UTILITY FM				MOCCASIN WALLOW RD	6092560		

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LEGEND	
---CAS(D)---	EXISTING BURIED CONDUIT
---W(D)---	EXISTING POTABLE WATER MAIN
---G(D)---	EXISTING GAS MAIN
---S(D)---	EXISTING SEWER MAIN
---BFO---	EXISTING BURIED FIBER OPTIC
---BE(D)---	EXISTING BURIED ELECTRIC
---OE---	EXISTING OVERHEAD FACILITIES
---NPW(D)---	EXISTING NONPOTABLE WATER MAIN

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/2022	UPDATE TO EXIST UTILITY FM		

HAMID R. FARAJI, P.E.  
 P.E. LICENSE NUMBER 51581  
 CARDNO  
 380 PARK PLACE BLVD, SUITE 300  
 CLEARWATER, FLORIDA 33759  
 CERTIFICATE OF AUTHORIZATION 29915

<b>MANATEE COUNTY</b>	
ROAD NO.	PROJECT ID
MOCCASIN WALLOW RD	6092560

**UTILITY ADJUSTMENTS (23)**

SHEET NO.  
338

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