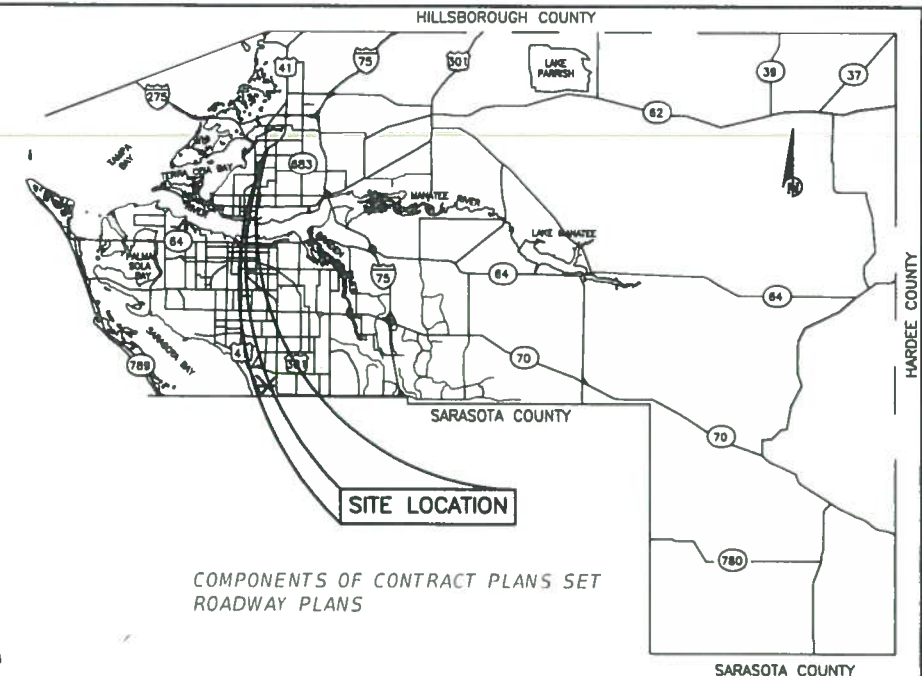




MANATEE COUNTY
PUBLIC WORKS DEPARTMENT

CONTRACT PLANS

BAYSHORE ROAD SIDEWALK IMPROVEMENTS
FROM US 41 TO 72ND STREET COURT EAST
PROJECT NO. 6080060



COMPONENTS OF CONTRACT PLANS SET ROADWAY PLANS

RELATED STANDARDS AND SPECIFICATIONS

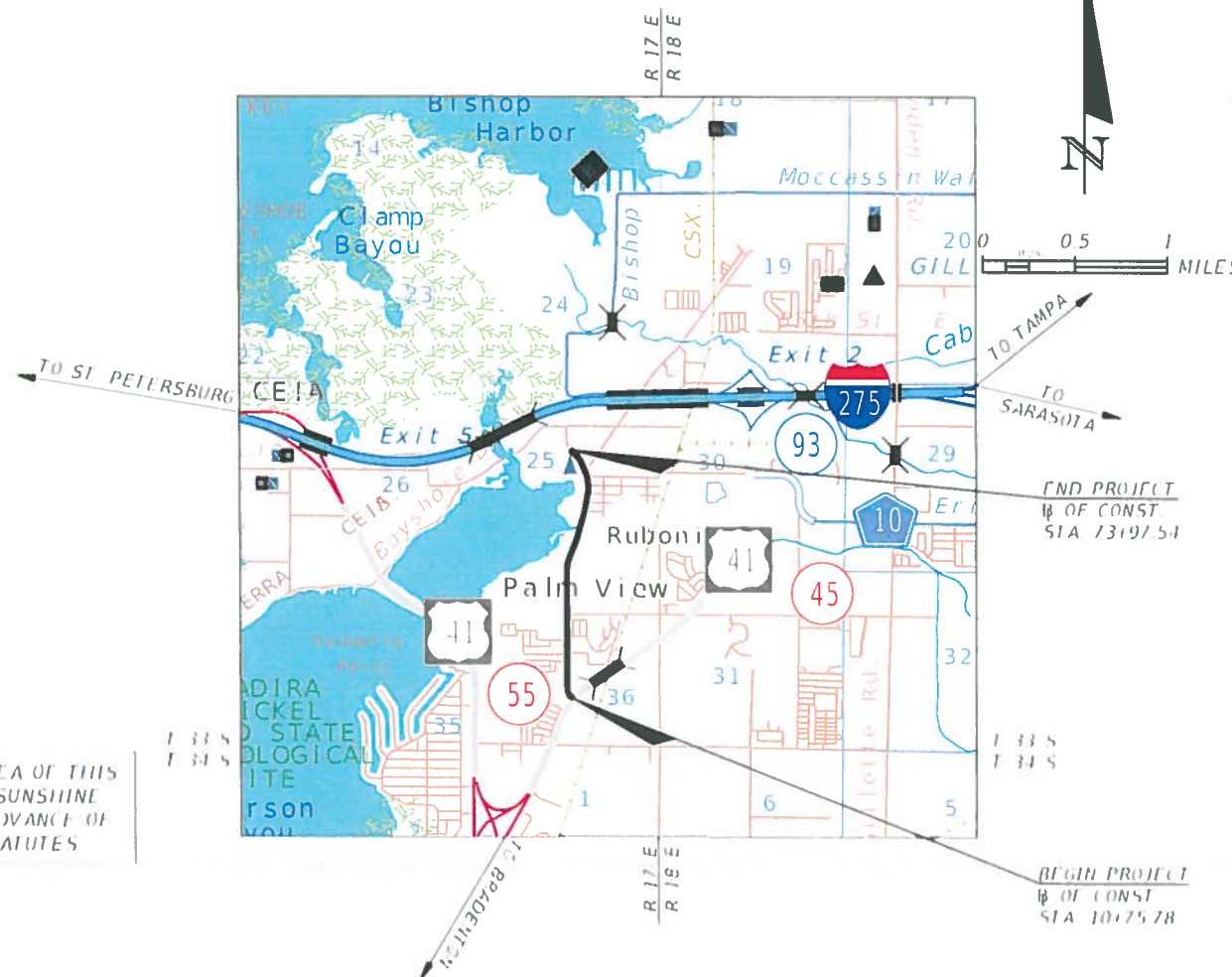
DESCRIPTION

- A. FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (JANUARY 2021).
- B. FDOT FY 2021-22 STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION
- C. MANATEE COUNTY HIGHWAY & TRAFFIC STANDARDS MANUAL AND STORMWATER MANAGEMENT DESIGN MANUAL (JUNE 2015)
- D. MANATEE COUNTY UTILITIES STANDARDS MANUAL (JUNE 2015)

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

UTILITY WARNING NOTE

ABOVE GROUND AND / OR UNDERGROUND UTILITIES MAY BE IN THE AREA OF THIS PROJECT. PROCEED WITH CAUTION - THE CONTRACTOR SHALL CALL SUNSHINE STATE "ONE CALL" AT 1-800-432-4770 AND THE UTILITY OWNERS IN ADVANCE OF BEGINNING WORK, IN ACCORDANCE WITH CHAPTER 556, FLORIDA STATUTES



INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3	TYPICAL SECTION
4 - 5	GENERAL NOTES
6	SUMMARY OF QUANTITIES
7	PLAN LAYOUT
8 - 29	PLAN AND PROFILE
30 - 44	CROSS SECTIONS
45 - 47	DRIVEWAY HALF SECTIONS
48	TEMPORARY TRAFFIC CONTROL NOTES
49	TEMPORARY TRAFFIC CONTROL TYPICAL SECTION
50 - 66	UTILITY ADJUSTMENTS
67	CONSTRUCTION SEQUENCE
68	BARRIER DETAILS
FDOT STANDARD PLANS FOR BRIDGE CONSTRUCTION	
515-021	PEDESTRIAN/BICYCLE BULLET RAILING FOR TRAFFIC RAILING
515-022	PEDESTRIAN/BICYCLE BULLET RAILING DETAILS
521-427	TRAFFIC RAILING (36" SINGLE SLOPE)



PLANS PREPARED BY

180 Park Plaza Blvd, Suite 100, Clearwater, Florida 34615
www.cardno.com 727.531.3505
Certificate of Authorization No. 29915

ENGINEER OF RECORD
CHRISTOPHER J. KNÖV, P.E.
P.E. NO. 67350
MANATEE COUNTY PROJECT MANAGER
ALBERT ROSENSTEIN, P.E.

FRONTIER
5-25-21




DATE	DESCRIPTION

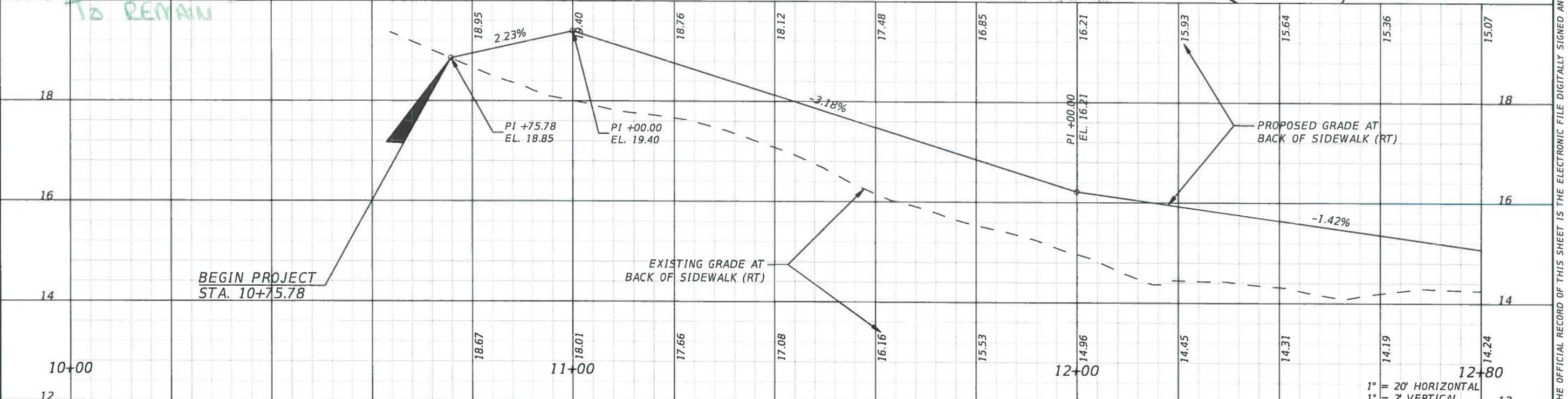
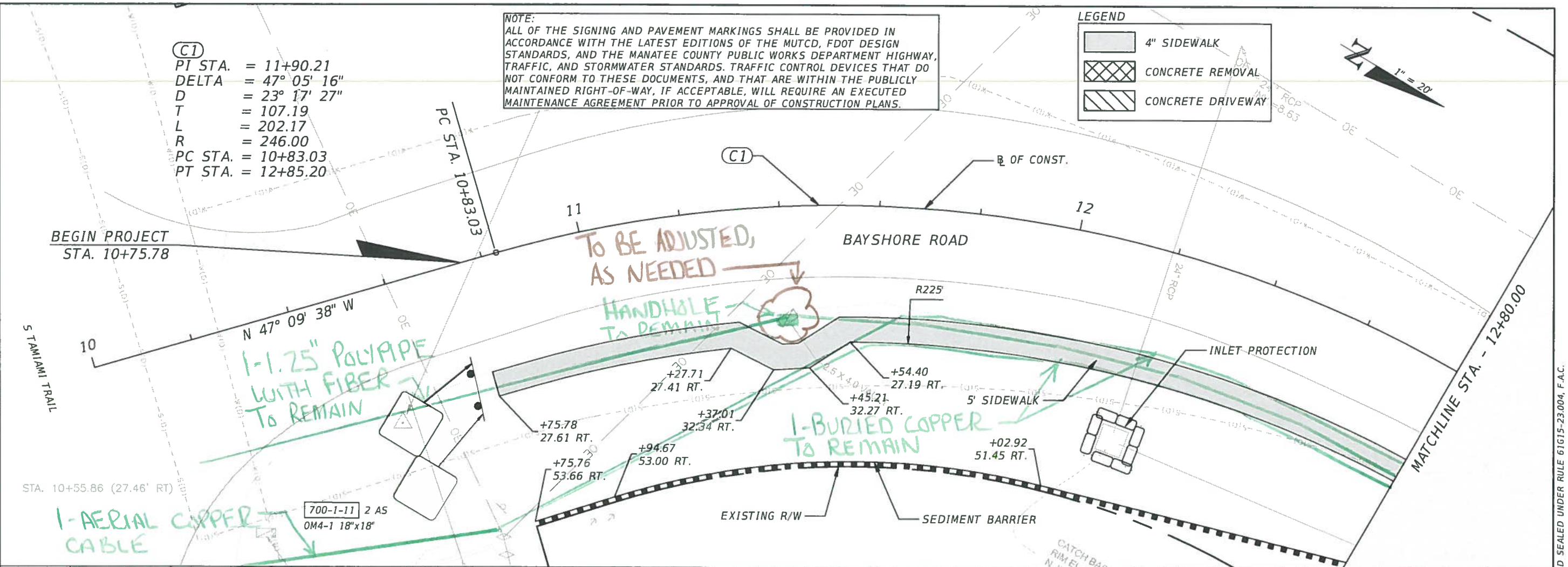
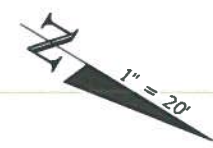
SHEET NO.
1

(C1)
 PT STA. = 11+90.21
 DELTA = 47° 05' 16"
 D = 23° 17' 27"
 T = 107.19
 L = 202.17
 R = 246.00
 PC STA. = 10+83.03
 PT STA. = 12+85.20

NOTE:
 ALL OF THE SIGNING AND PAVEMENT MARKINGS SHALL BE PROVIDED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MUTCD, FDOT DESIGN STANDARDS, AND THE MANATEE COUNTY PUBLIC WORKS DEPARTMENT HIGHWAY, TRAFFIC, AND STORMWATER STANDARDS. TRAFFIC CONTROL DEVICES THAT DO NOT CONFORM TO THESE DOCUMENTS, AND THAT ARE WITHIN THE PUBLICLY MAINTAINED RIGHT-OF-WAY, IF ACCEPTABLE, WILL REQUIRE AN EXECUTED MAINTENANCE AGREEMENT PRIOR TO APPROVAL OF CONSTRUCTION PLANS.

LEGEND

-  4" SIDEWALK
-  CONCRETE REMOVAL
-  CONCRETE DRIVEWAY



DATE		DESCRIPTION		DATE		DESCRIPTION	

CHRISTOPHER J. KNOX, P.E.
 P.E. LICENSE NUMBER 67350
 CARDNO, INC.
 380 PARK PLACE BOULEVARD, SUITE 300
 CLEARWATER, FL 33759

MANATEE COUNTY

ROAD NO. COUNTY

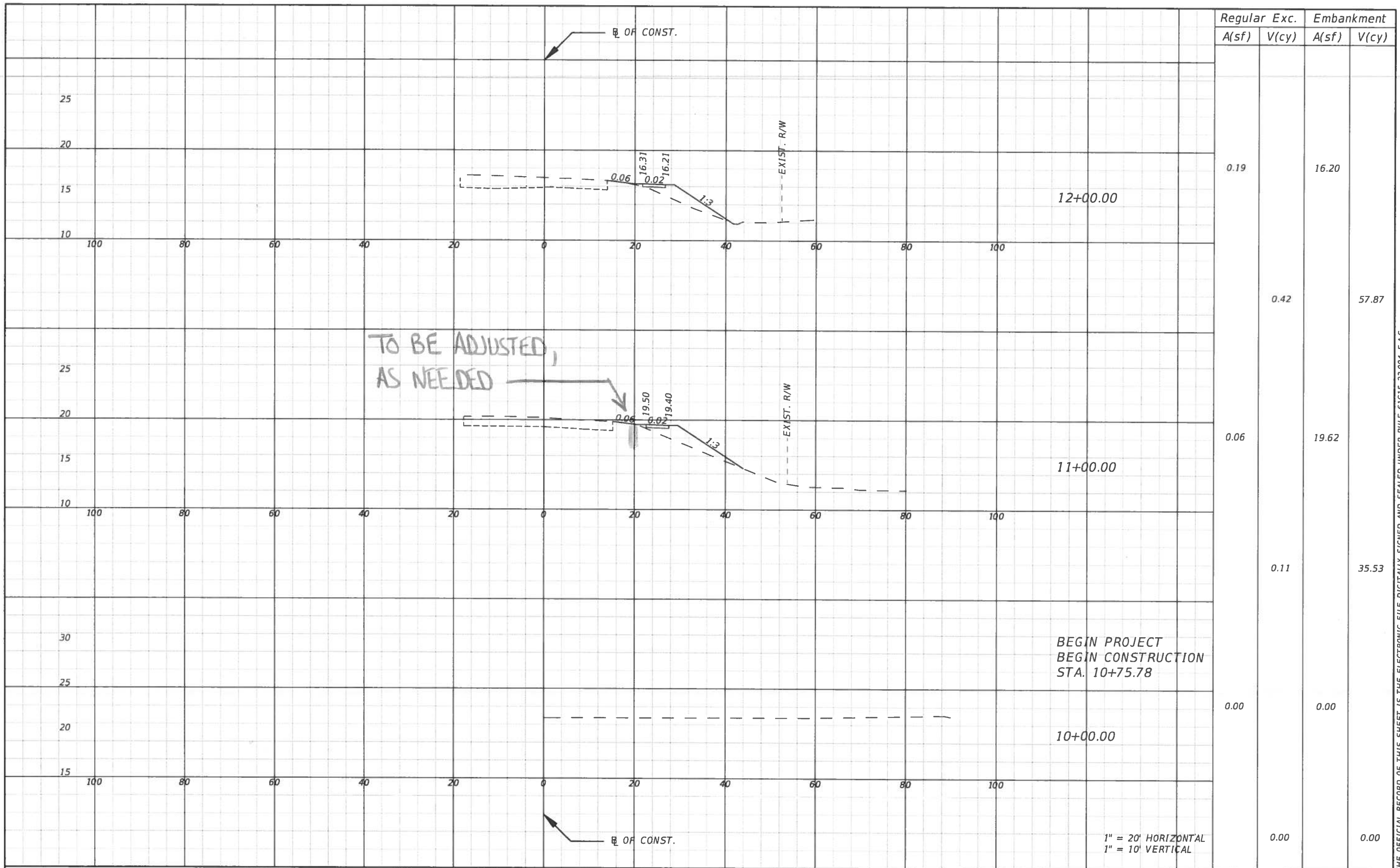
BAYSHORE ROAD MANATEE

PLAN AND PROFILE (1)

SHEET NO.

8

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



Station	Regular Exc.		Embankment	
	A(sf)	V(cy)	A(sf)	V(cy)
12+00.00	0.19		16.20	
		0.42		57.87
11+00.00	0.06		19.62	
		0.11		35.53
10+00.00	0.00		0.00	
		0.00		0.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
---	---	---	---

CHRISTOPHER J. KNOX, P.E.
P.E. LICENSE NUMBER 67350
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE




CROSS SECTIONS (1)

SHEET NO.
30

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

(C1)
 PI STA. = 11+90.21
 DELTA = 47° 05' 16"
 D = 23° 17' 27"
 T = 107.19
 L = 202.17
 R = 246.00
 PC STA. = 10+83.03
 PT STA. = 12+85.20

LEGEND

-  4" SIDEWALK
-  CONCRETE REMOVAL
-  CONCRETE DRIVEWAY

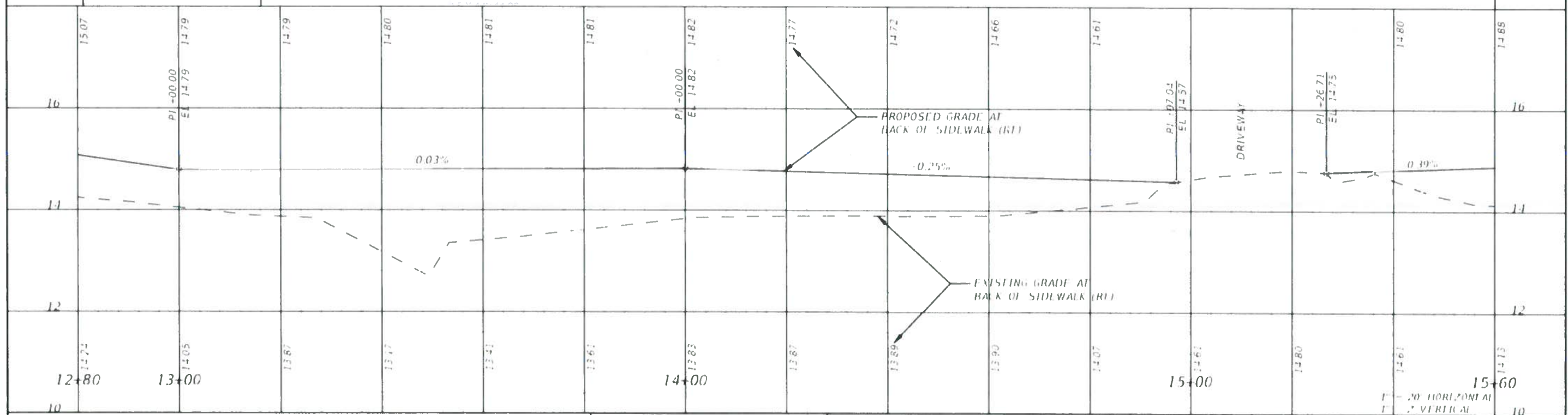
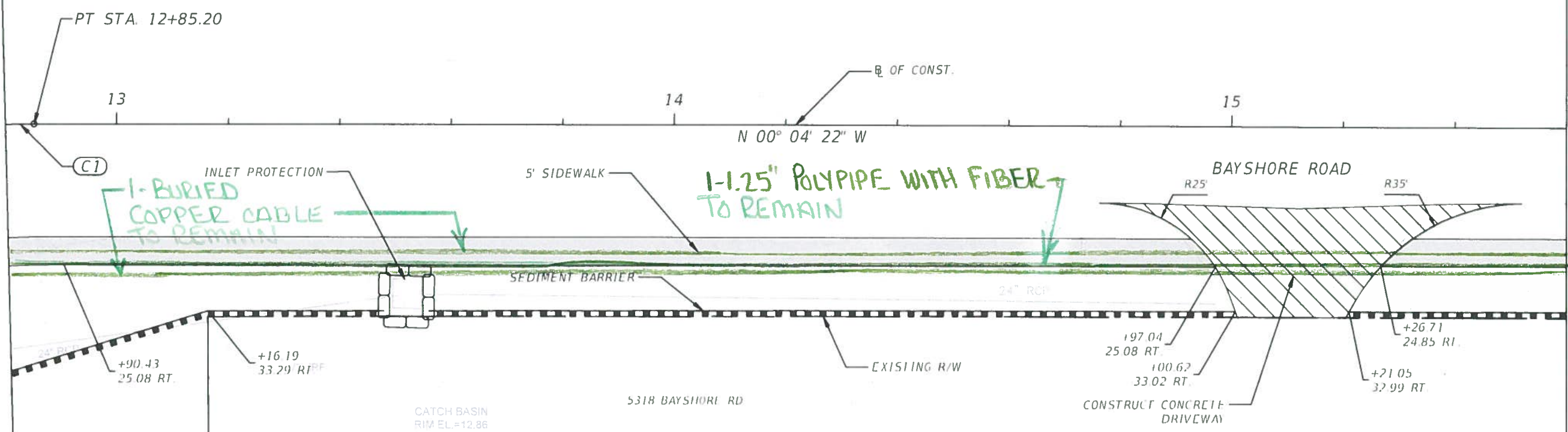


710 54TH CT E

EXISTING R/W

MATCHLINE STA. - 12+80.00

MATCHLINE STA. - 15+60.00



REVISIONS		DESCRIPTION		MANATEE COUNTY		PLAN AND PROFILE (2)	SHEET NO. 9
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY		
				BAYSHORE ROAD	MANATEE		

CHRISTOPHER J. KNOX, P.E.
 P.E. LICENSE NUMBER 6790
 CARDNO. 100
 880 PARK PLACE BOULEVARD, SUITE 300
 CLEARWATER, FL 34629

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

710 54TH CT E

5515 BAYSHORE RD

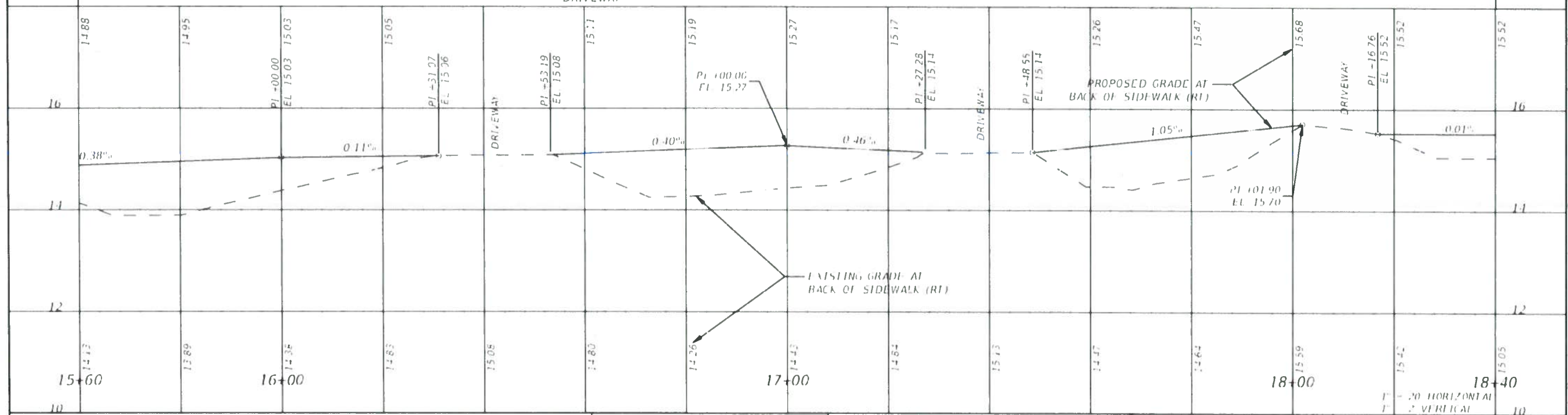
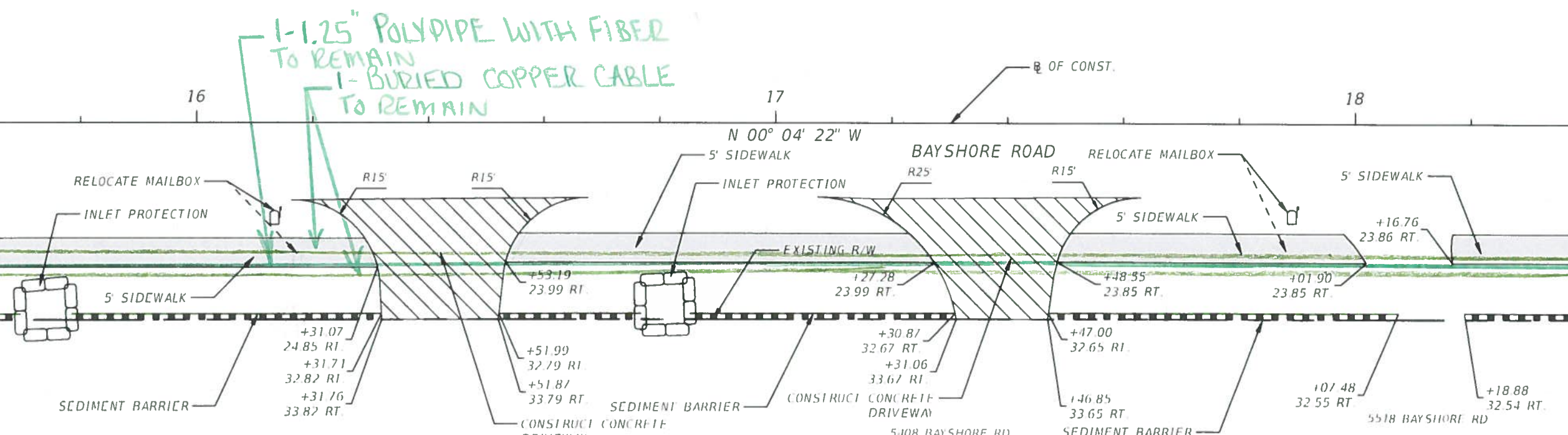
LEGEND

-  4" SIDEWALK
-  CONCRETE REMOVAL
-  CONCRETE DRIVEWAY



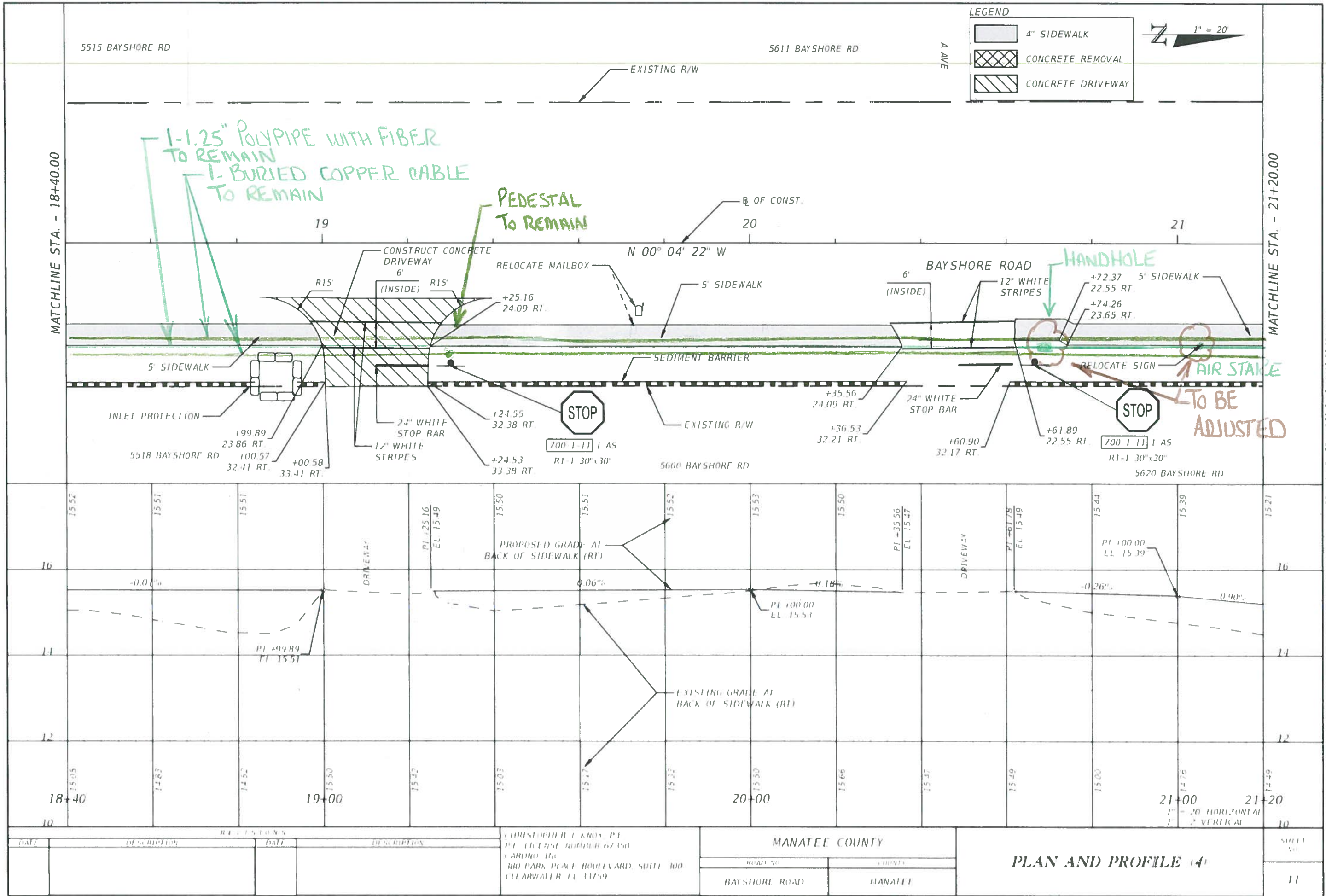
MATCHLINE STA. - 15+60.00

MATCHLINE STA. - 18+40.00



REVISIONS		CHRISTOPHER J. KNOX, P.E. P.E. LICENSE NUMBER 67250 CARDNO 100 880 PARK PLACE BOULEVARD, SUITE 300 CLEARWATER, FL 34629		MANATEE COUNTY ROAD NO. COUNTY BAYSHORE ROAD MANATEE		PLAN AND PROFILE (3)		SHEET No. 10
DATE	DESCRIPTION	DATE	DESCRIPTION					

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

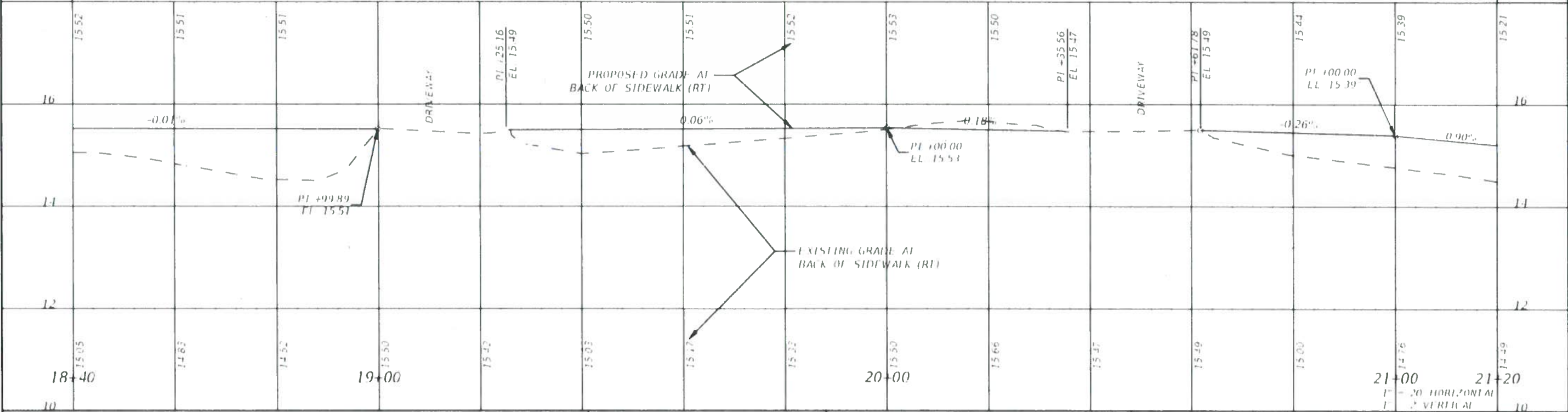


MATCHLINE STA. - 18+40.00

MATCHLINE STA. - 21+20.00

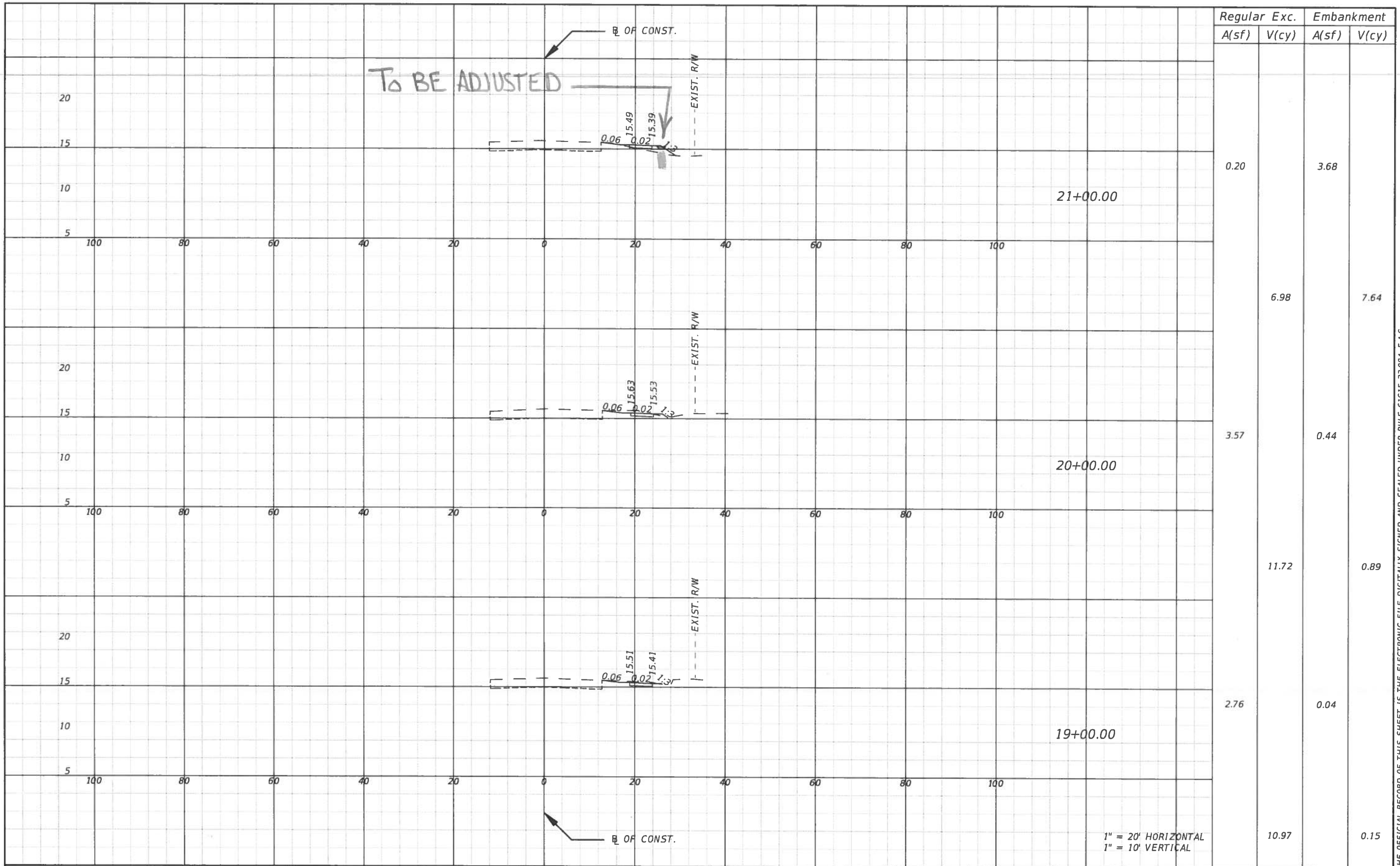
LEGEND

	4" SIDEWALK
	CONCRETE REMOVAL
	CONCRETE DRIVEWAY



DATE		DESCRIPTION		DATE		DESCRIPTION		CHRISTOPHER L. KNOX, P.E. P.E. LICENSE NUMBER 67150 CARDINO, INC. 380 PARK PLACE BOULEVARD, SUITE 100 CLEARWATER, FL 34619		MANATEE COUNTY ROAD NO. BAYSHORE ROAD COUNTY HAWAII		PLAN AND PROFILE (4) SHEET NO. 11	
------	--	-------------	--	------	--	-------------	--	--	--	---	--	--------------------------------------	--

THE PLAN AND PROFILE SHEET IS THE ELECTRONIC FILE DITECT, SIGNED AND SEALED UNDER RULE 61E15-23.004, F.A.C.



Regular		Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
0.20				3.68	
	6.98				7.64
3.57				0.44	
	11.72				0.89
2.76				0.04	
	10.97				0.15

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

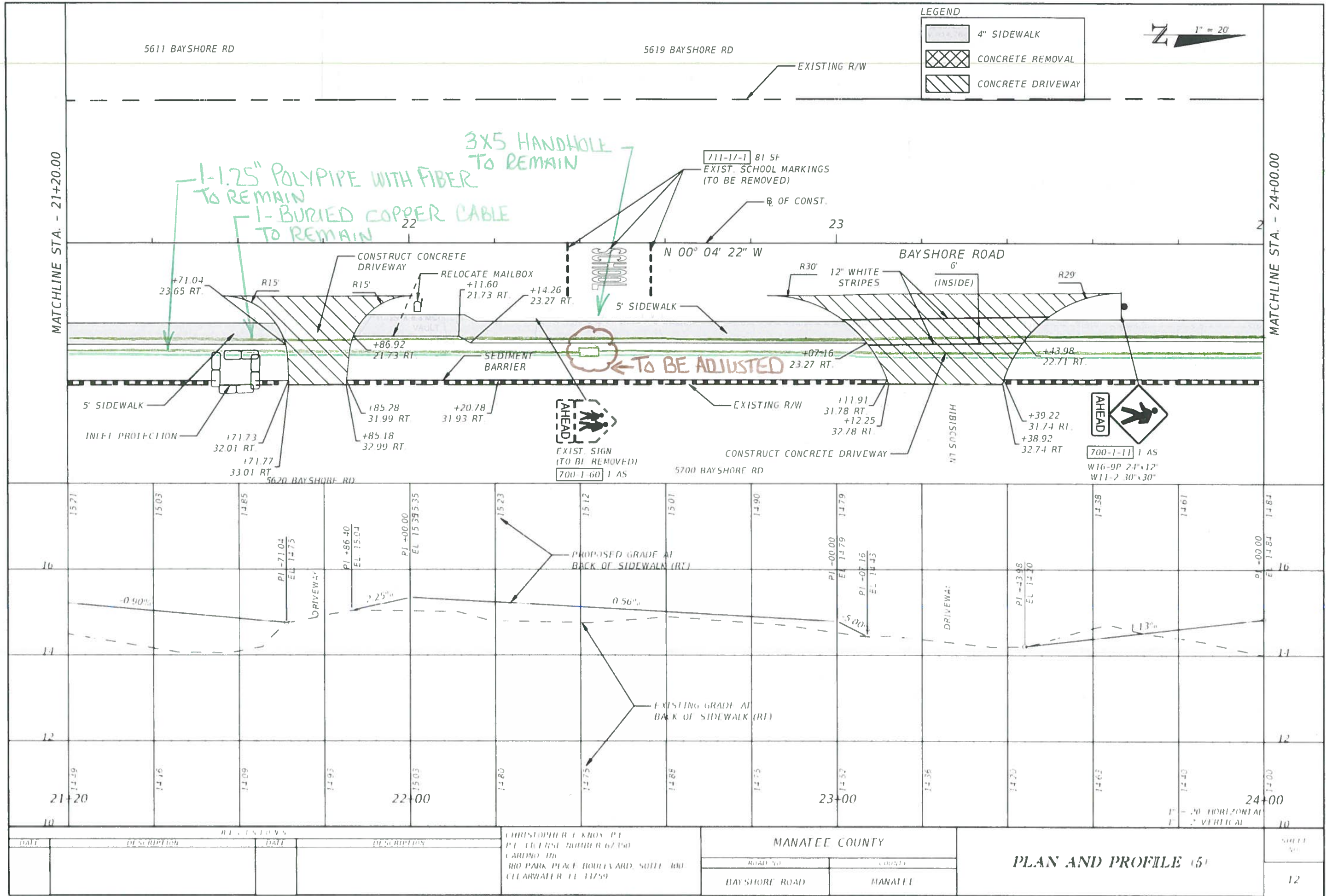
CHRISTOPHER J. KNOX, P.E.
P.E. LICENSE NUMBER 67350
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

CROSS SECTIONS (4)

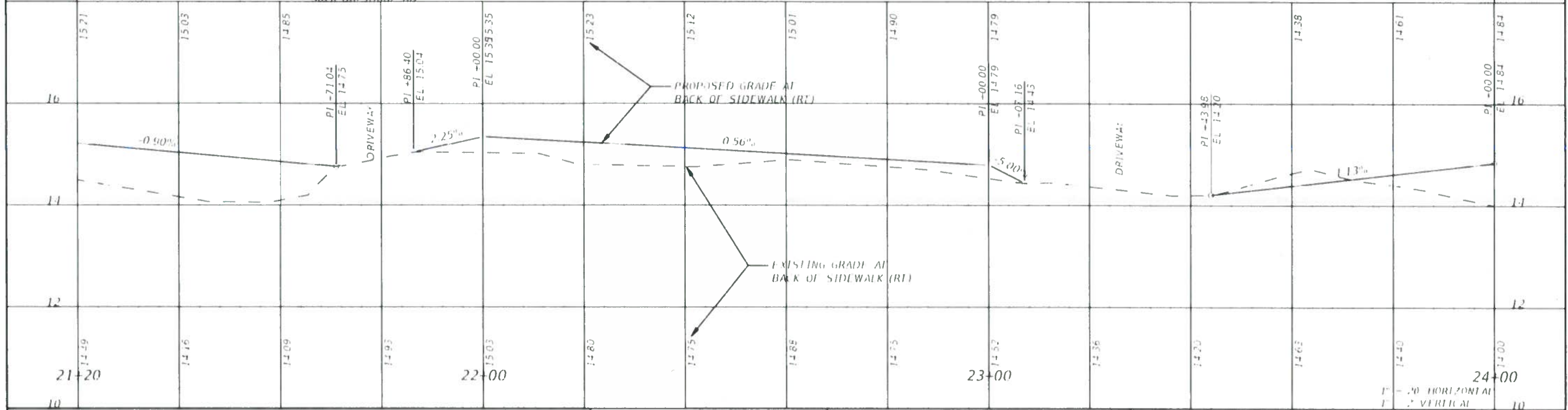
SHEET NO.
33

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



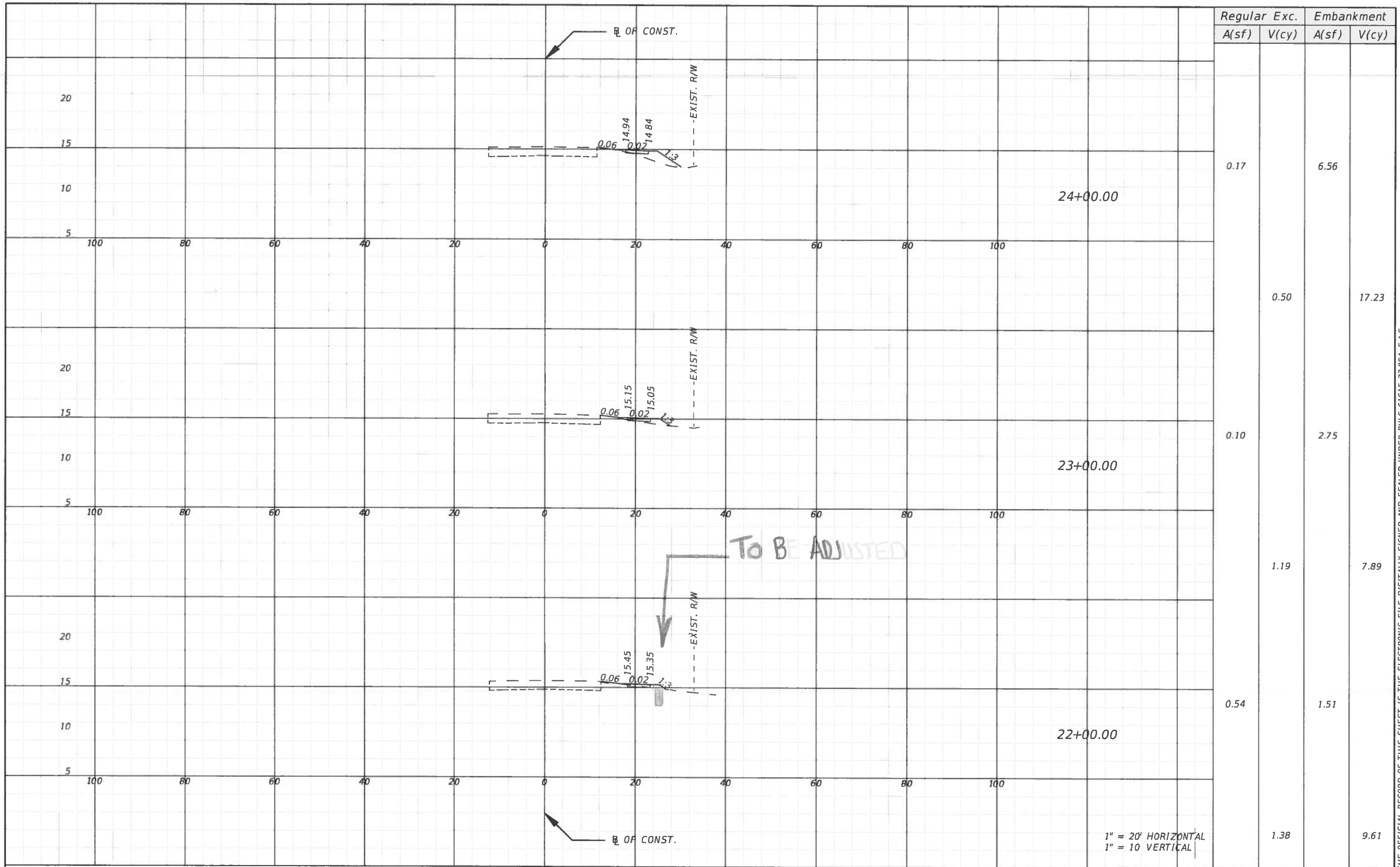
LEGEND

[Hatched Box]	4" SIDEWALK
[Cross-hatched Box]	CONCRETE REMOVAL
[Diagonal-hatched Box]	CONCRETE DRIVEWAY



REVISIONS		CHRISTOPHER J. KNOX, P.E. P.E. LICENSE NUMBER 62790 CAROLING DR. 880 PARK PLACE BOULEVARD, SUITE 300 CLEARWATER, FL 34629		MANATEE COUNTY ROAD NO. BAYSHORE ROAD COUNTY MANATEE		PLAN AND PROFILE (5) SHEET No. 12
DATE	DESCRIPTION	DATE	DESCRIPTION			

THIS SHEET IS THE ELECTRICAL FILE DIGITAL. SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Regular	Exc.	Embankment	
		A(sf)	V(cy)
0.17		6.56	
	0.50		17.23
0.10		2.75	
	1.19		7.89
0.54		1.51	
	1.38		9.61

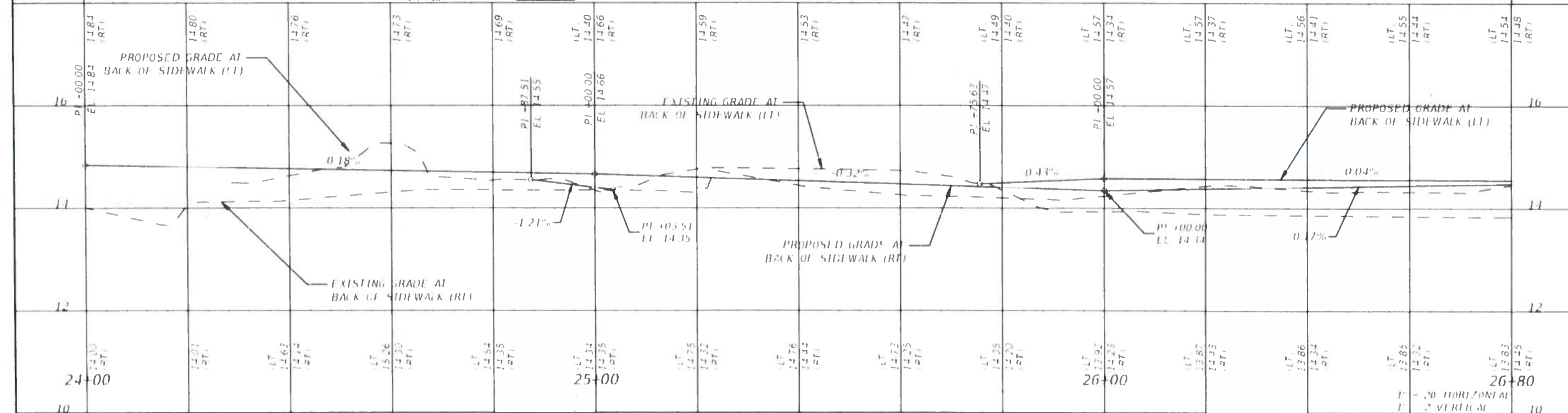
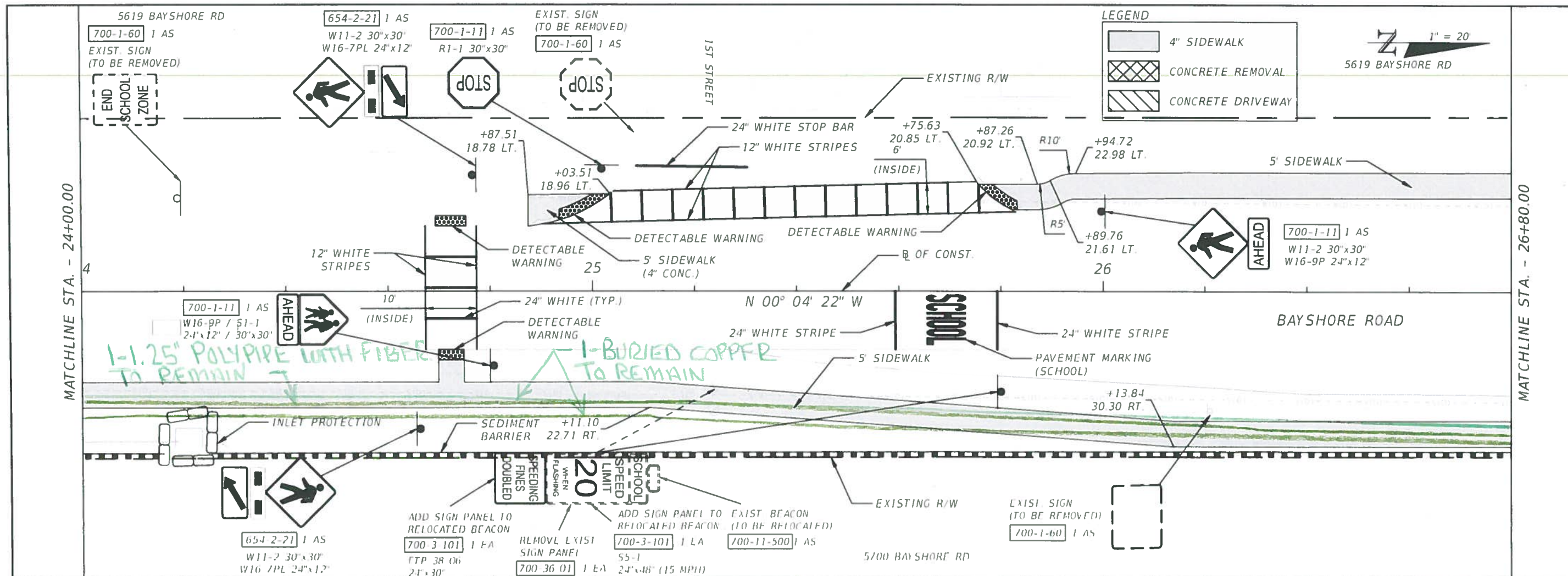
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRISTOPHER J. KNOX, P.E.
P.E. LICENSE NUMBER 67350
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

CROSS SECTIONS (5)	SHEET NO.
	34

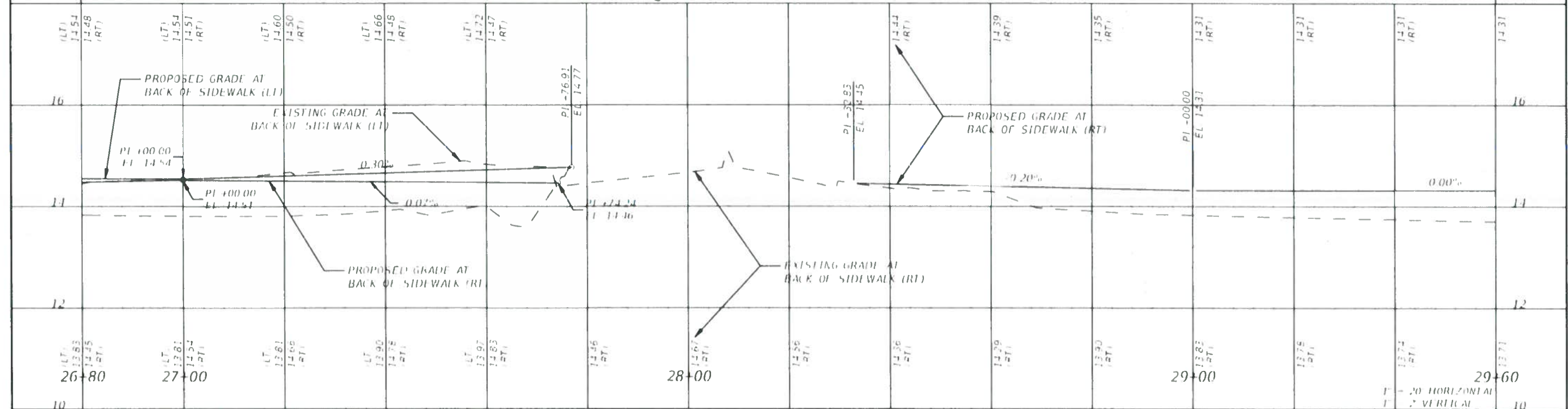
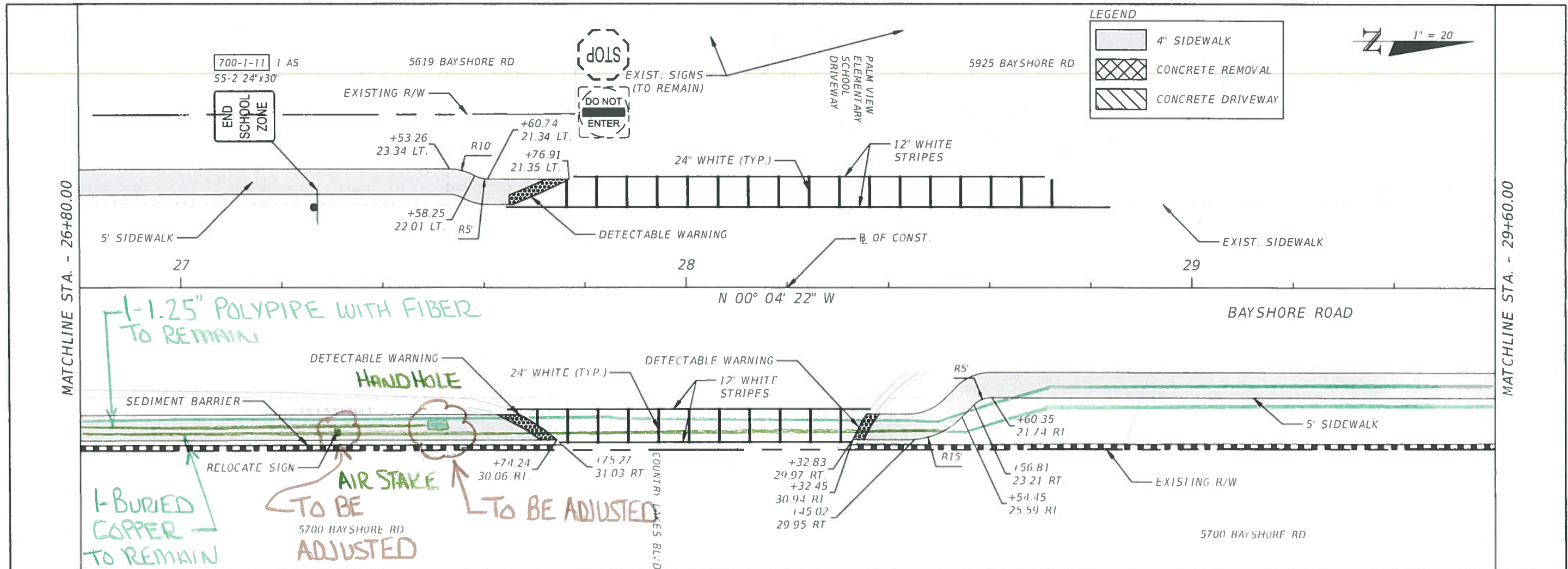
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



DATE	DESCRIPTION	DATE	DESCRIPTION

CHRISTOPHER J. KNOW, P.E. P.E. LICENSE NUMBER 67150 CAROLYN DE 380 PARK PLACE BOULEVARD, SUITE 300 CLEARWATER, FL 34629		MANATEE COUNTY ROAD NO. BAYSHORE ROAD COUNTY MANATEE		SHEET NO. 13
---	--	--	--	--------------

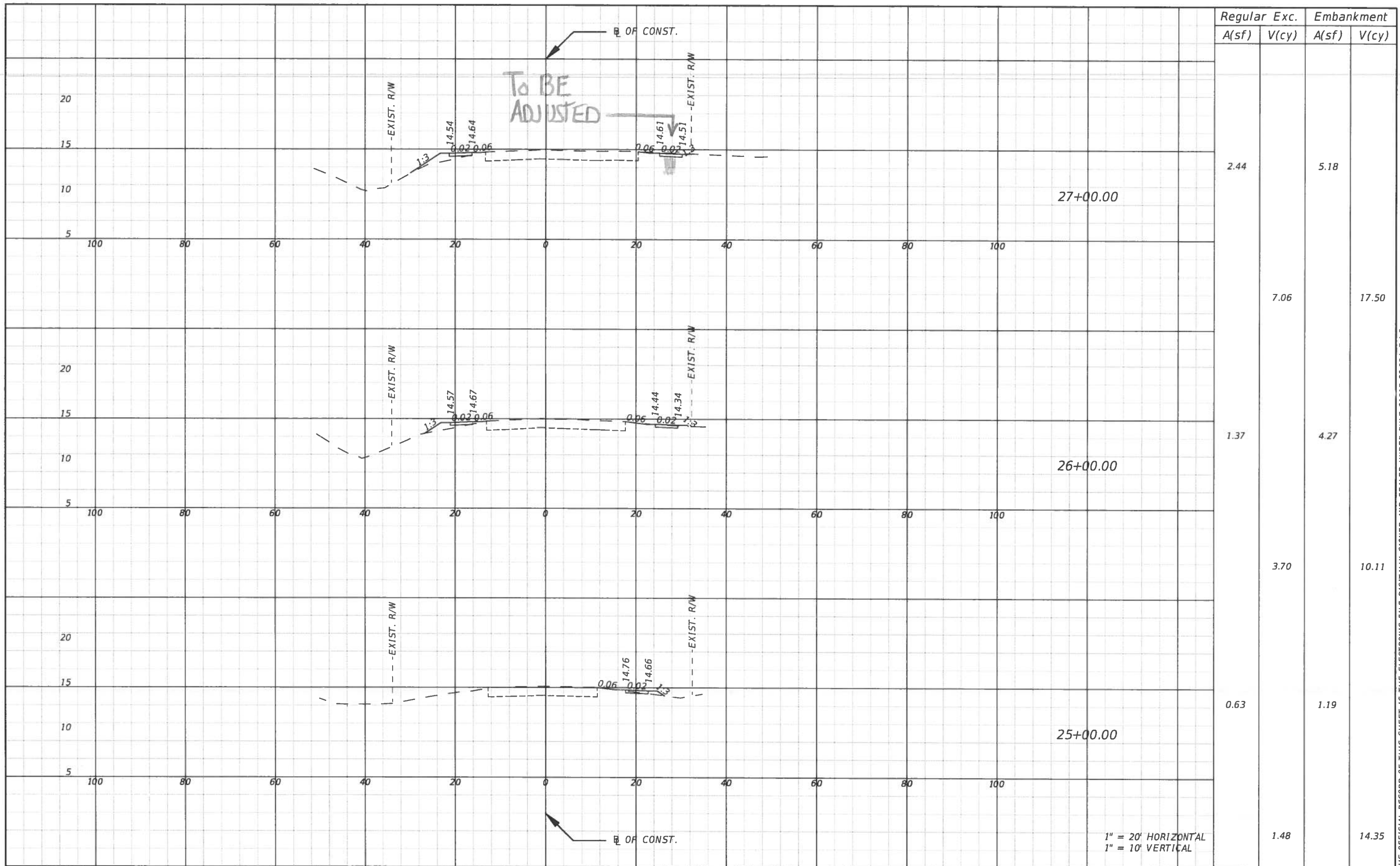
THE FILED HEREON IS THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15 23004, F.A.C.



DATE	DESCRIPTION	DATE	DESCRIPTION

CHRISTOPHER J. KNOW, P.E. P.E. LICENSE NUMBER 62130 CAROLYN DE 180 PARK PLACE BOULEVARD, SUITE 100 CLEARWATER FL 34629		MANATEE COUNTY		PLAN AND PROFILE (7) SHEET 14
ROAD NO.		COUNTY		
BAYSHORE ROAD		MANATEE		

THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61C15-23.004, F.A.C.



Station	Regular Exc.		Embankment	
	A(sf)	V(cy)	A(sf)	V(cy)
27+00.00	2.44	7.06	5.18	17.50
26+00.00	1.37	3.70	4.27	10.11
25+00.00	0.63	1.48	1.19	14.35

1" = 20' HORIZONTAL
1" = 10' VERTICAL

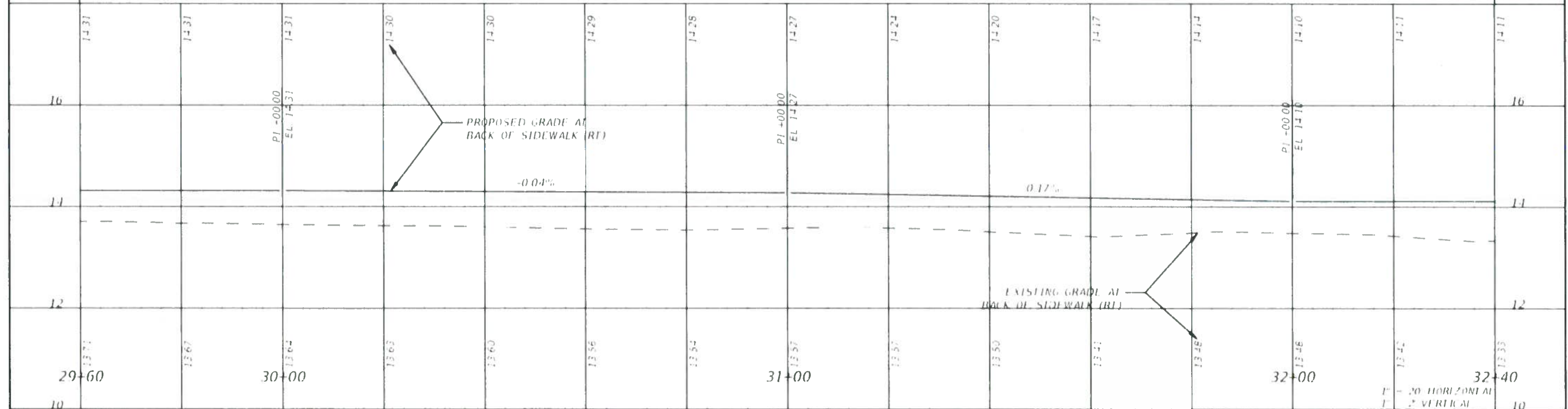
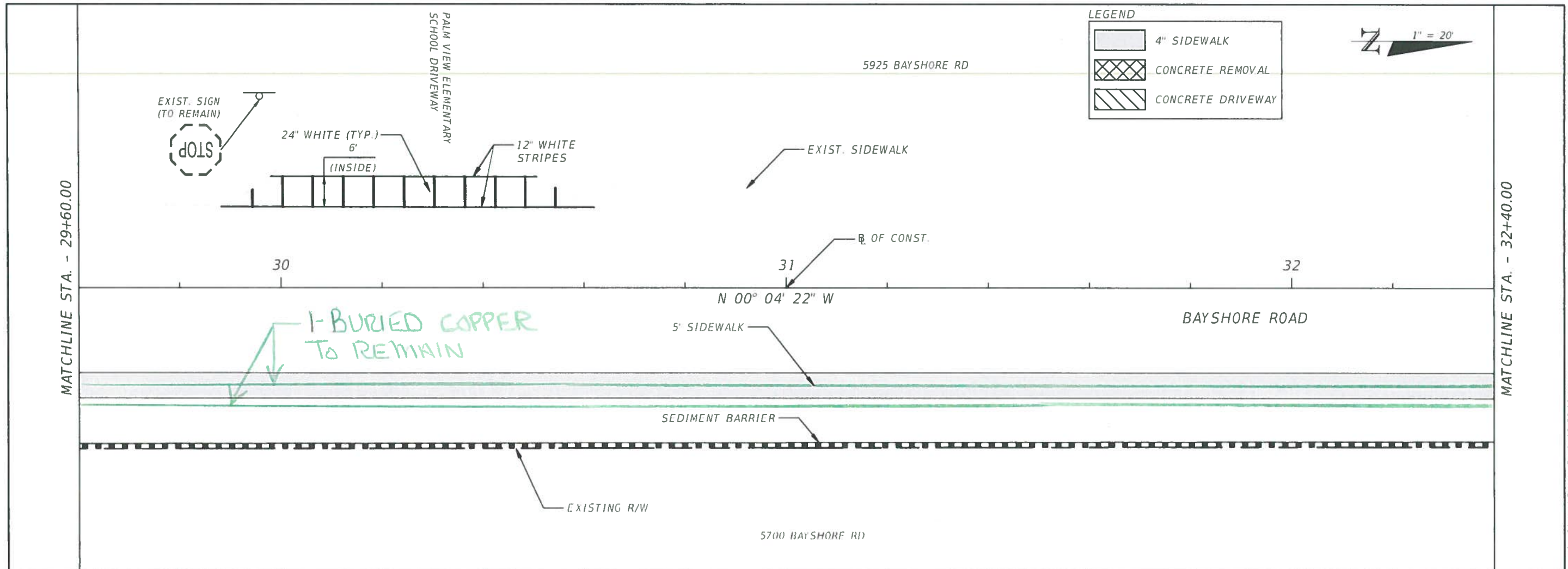
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRISTOPHER J. KNOX, P.E.
P.E. LICENSE NUMBER 67350
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

CROSS SECTIONS (6)		SHEET NO.
		35

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

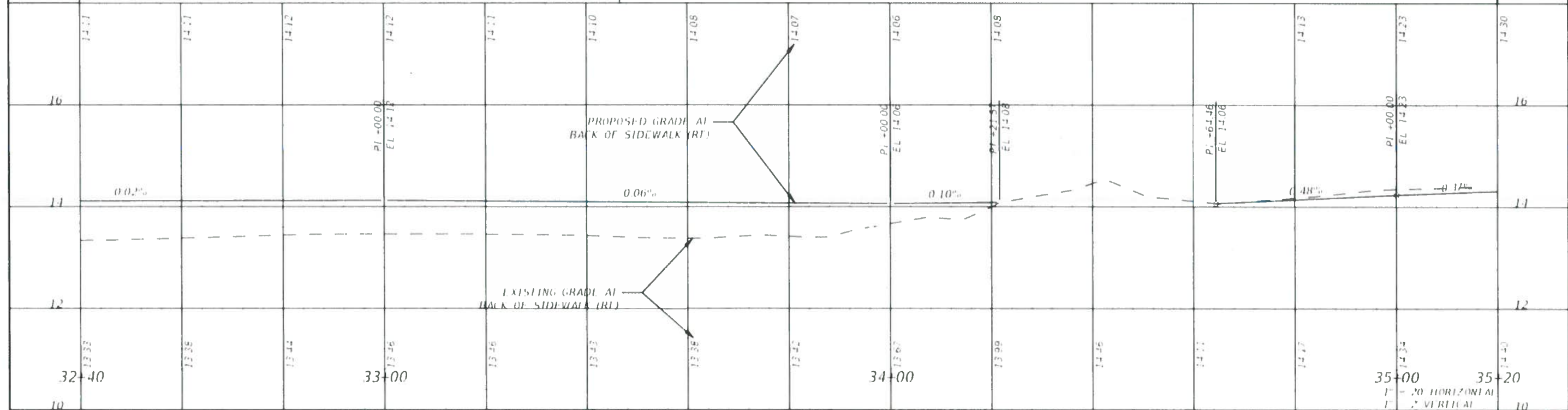
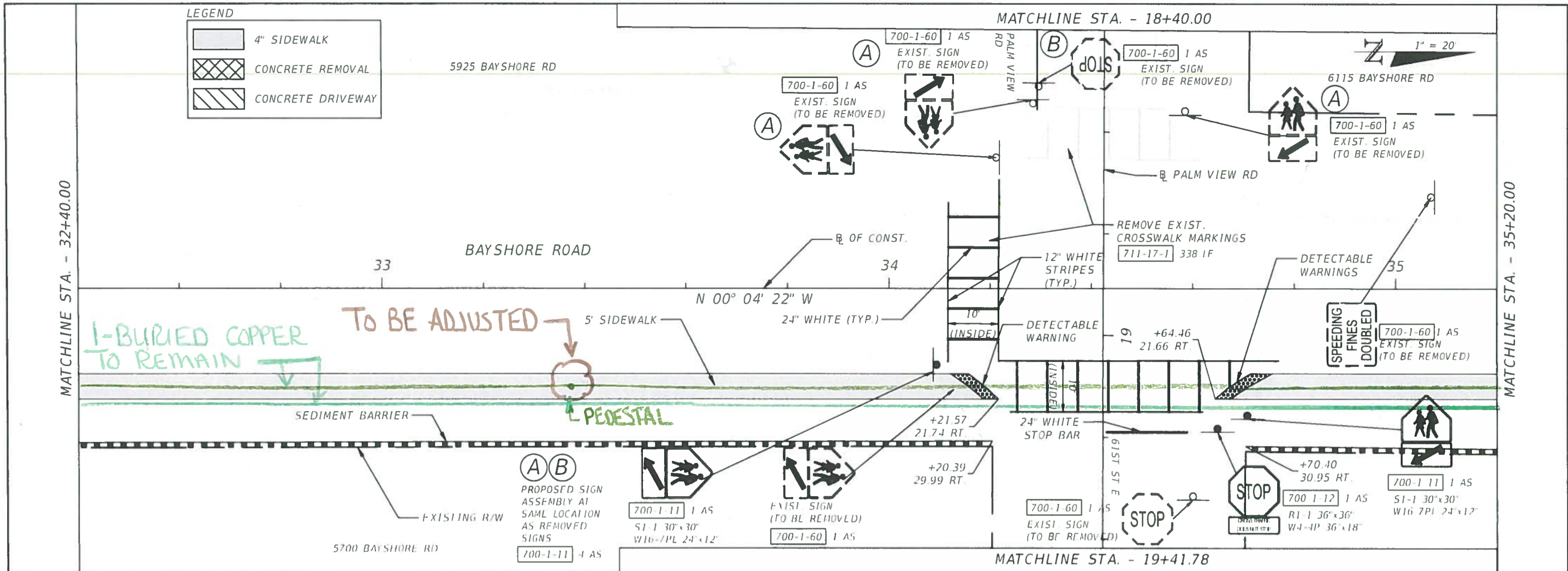


REVISIONS		DESCRIPTION		MANATEE COUNTY		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	
				BAYSHORE ROAD	MANATEE	15

CHRISTOPHER J. KNOX, P.E.
 P.E. LICENSE NUMBER 62750
 CAROLINA INC.
 480 PARK PLACE BOULEVARD, SUITE 400
 CLEARWATER, FL 34629

PLAN AND PROFILE (8)

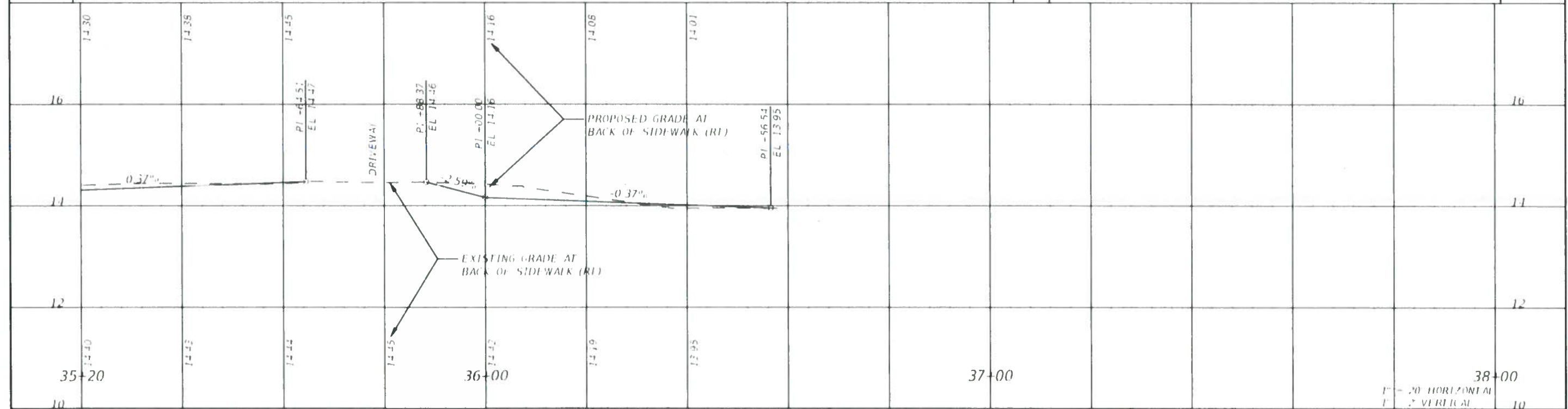
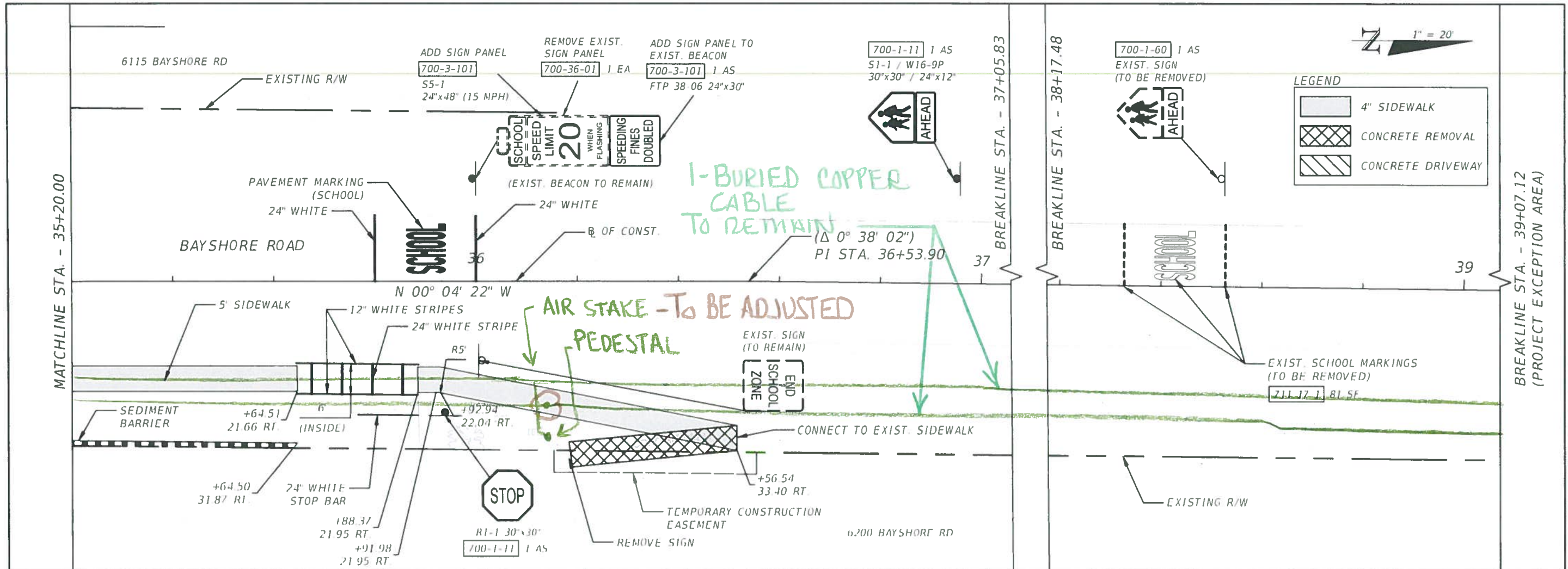
THIS SHEET IS THE ELECTRONIC FILE DIGITAL. SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



DATE	DESCRIPTION	DATE	DESCRIPTION	MANATEE COUNTY		SHEET No. 16
				ROAD NO. BAYSHORE ROAD	COUNTY MANATEE	

PLAN AND PROFILE (9)

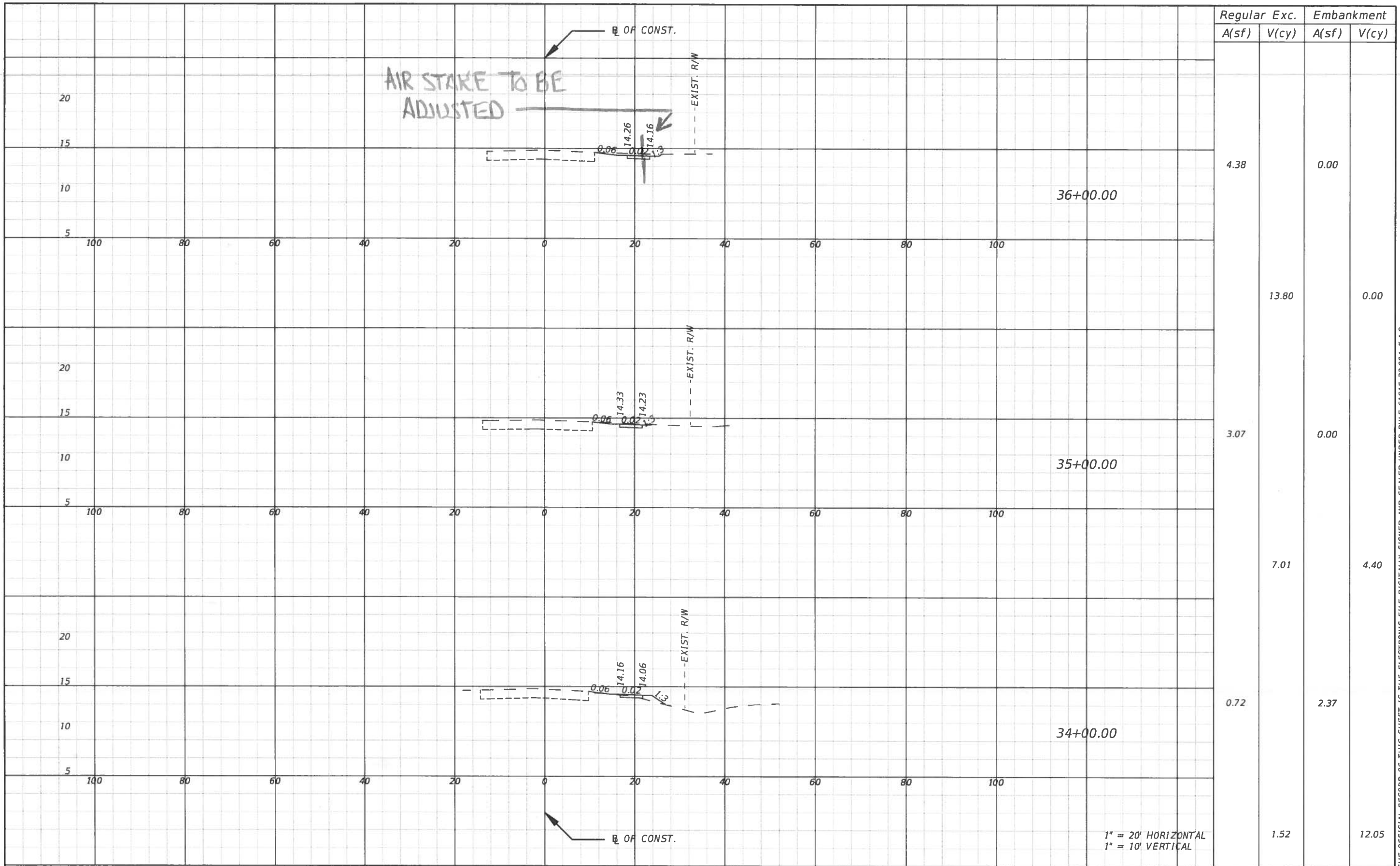
THIS SHEET IS THE ELECTRONIC FILE DIGITAL FILE AND SEALED UNDER RULE 61G15 25.004, F.A.C.



DATE	DESCRIPTION	DATE	DESCRIPTION

CHRISTOPHER J. KNOX, P.E. P.E. LICENSE NUMBER 67490 CARDNO. 100 480 PARK PLACE BOULEVARD, SUITE 400 CLEARWATER, FL 34619		MANATEE COUNTY		PLAN AND PROFILE (10)	SHEET No. 17
ROAD NO. BAYSHORE ROAD		COUNTY MANATEE			

THIS DRAWING IS THE PROPERTY OF THE ENGINEER. FILE DIGITAL. SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



Station	Regular		Exc.		Embankment	
	A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
36+00.00	4.38				0.00	
35+00.00	3.07				0.00	
34+00.00	0.72				2.37	
		13.80		7.01		4.40
					1.52	12.05

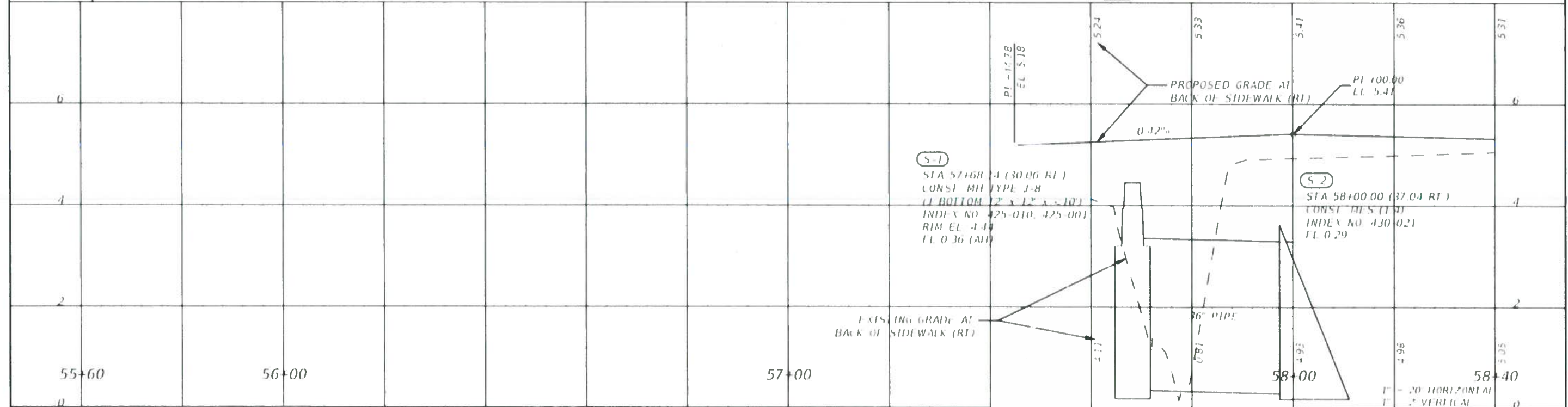
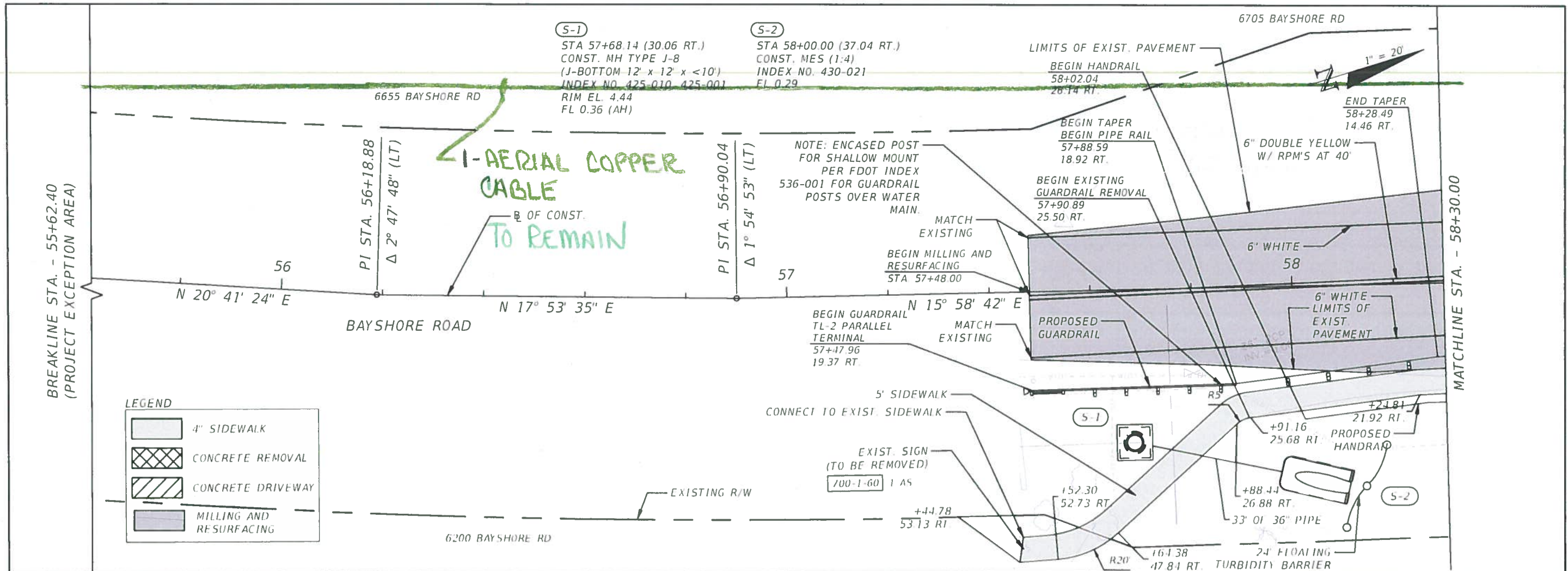
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRISTOPHER J. KNOX, P.E.
P.E. LICENSE NUMBER 67350
CARDNO, INC.
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

CROSS SECTIONS (9)		SHEET NO.
		38

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

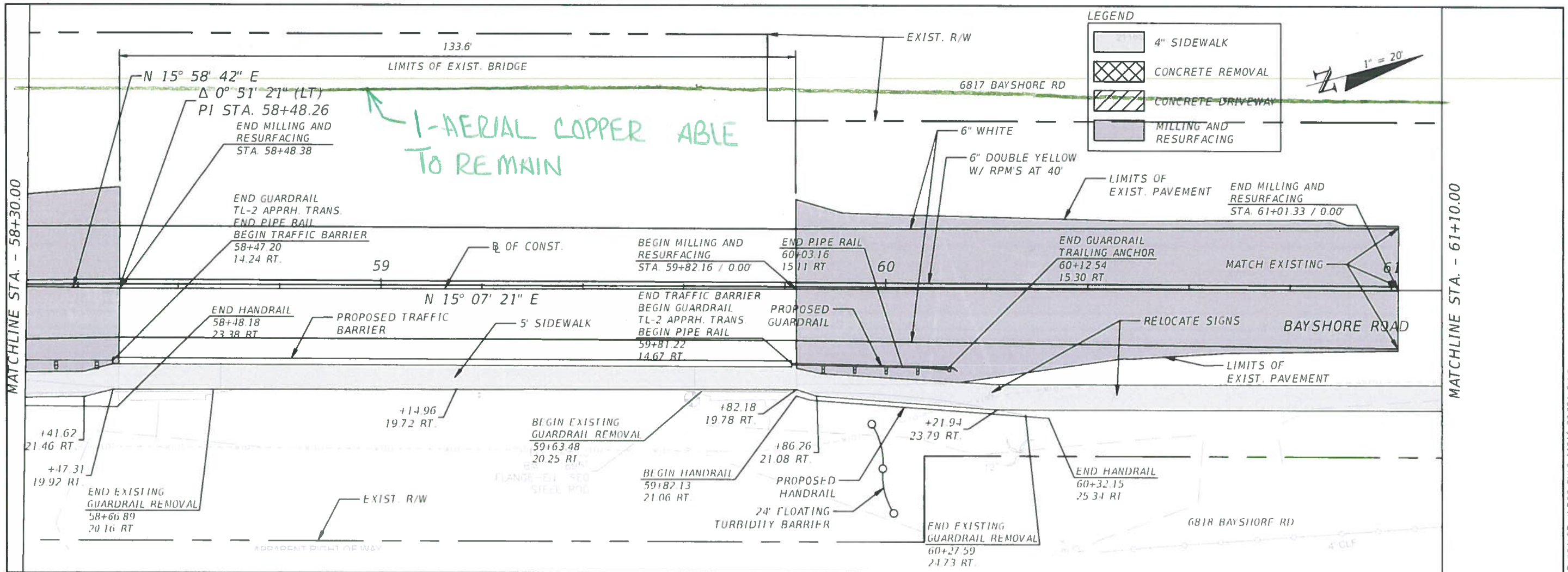


REVISIONS		DESCRIPTION		MANATEE COUNTY		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	
				BAYSHORE ROAD	MANATEE	18

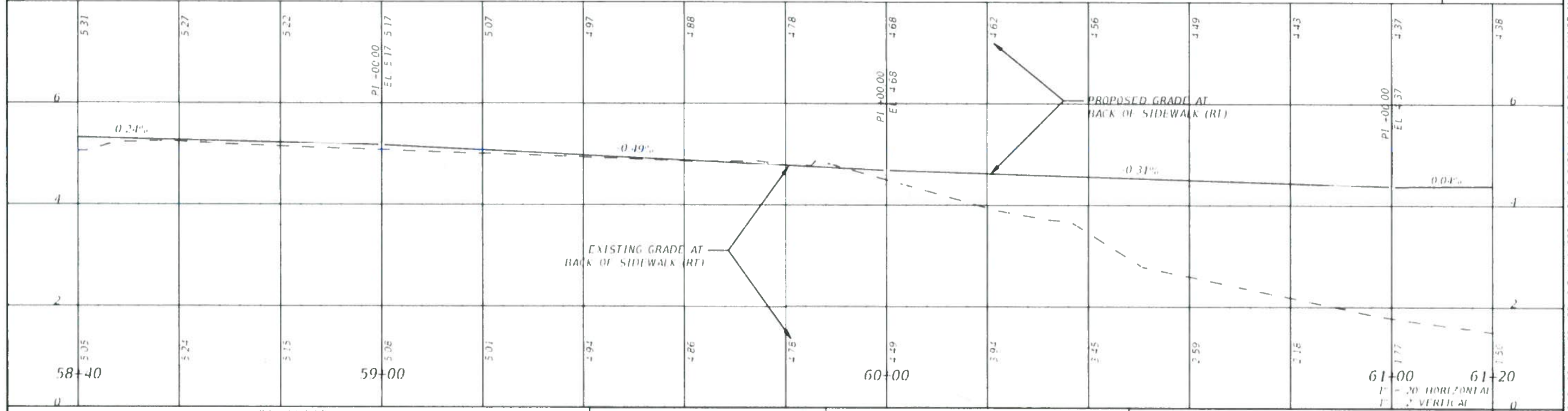
CHRISTOPHER J. KNOX, P.E.
P.E. LICENSE NUMBER 67150
CARDNO. 100
380 PARK PLACE BOULEVARD, SUITE 300
CLEARWATER, FL 34629

PLAN AND PROFILE (11)

THIS SHEET IS THE ELECTRICAL FILE DRAWING. SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



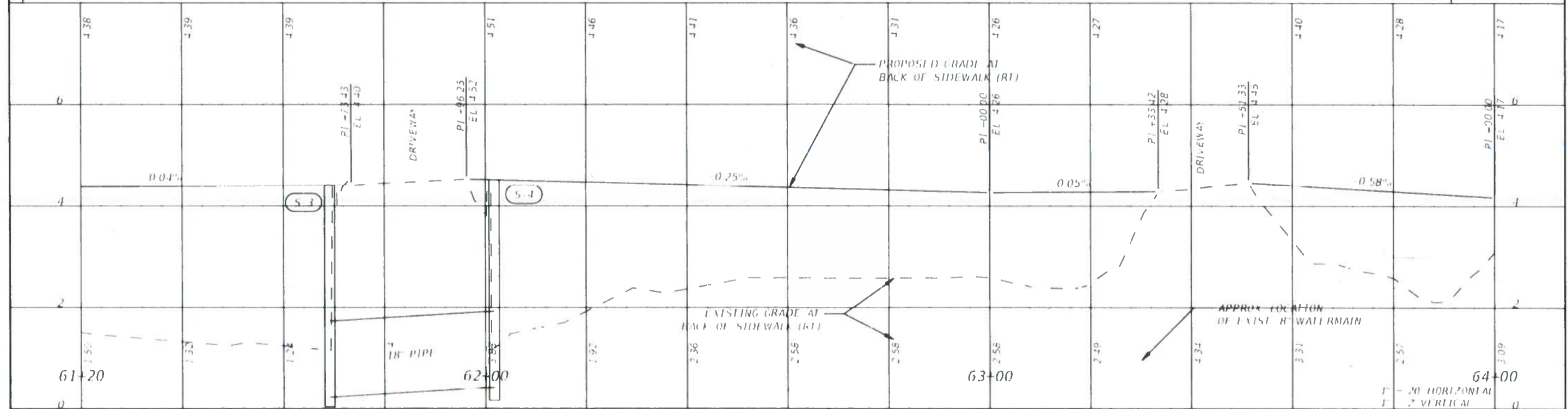
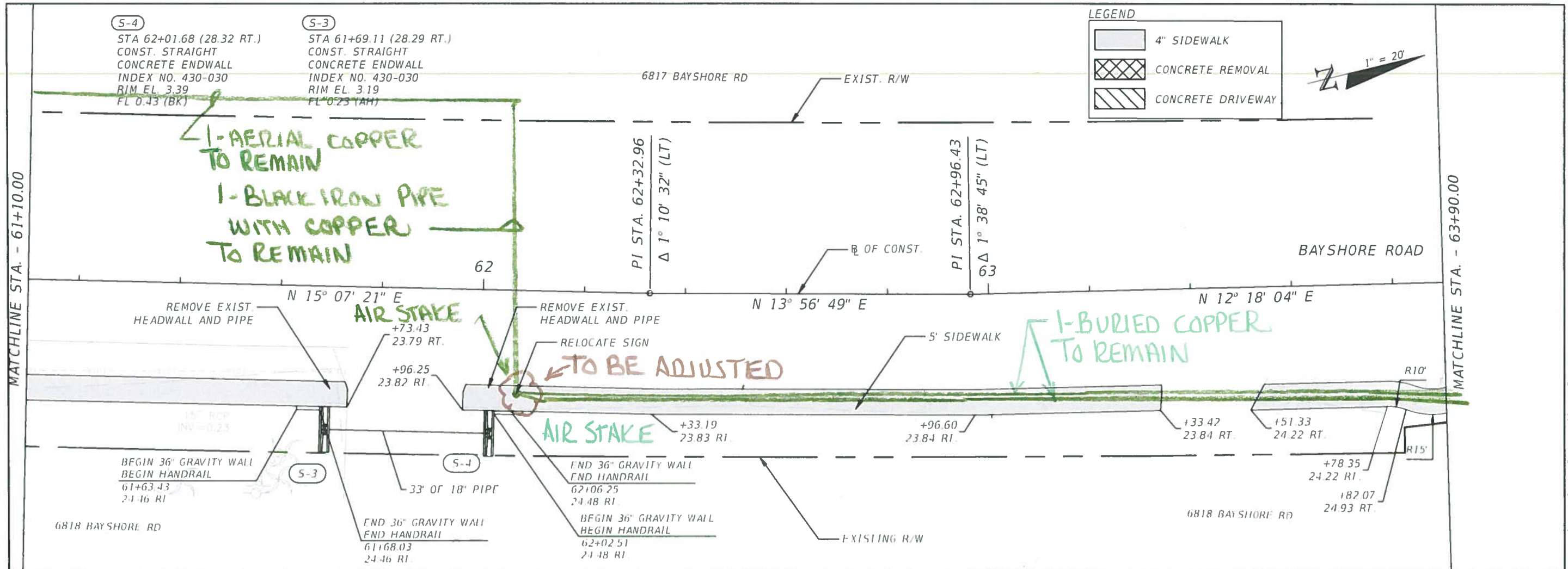
1-AERIAL COPPER ABLE TO REMAIN



DATE	DESCRIPTION	DATE	DESCRIPTION

CHRISTOPHER J. KNOX, P.E. P.E. LICENSE NUMBER 67560 CARDINO, INC. 180 PARK PLACE BOULEVARD, SUITE 100 CLEARWATER, FL 34619		MANATEE COUNTY		PLAN AND PROFILE (12)	SHEET NO. 19
ROAD NO. BAYSHORE ROAD		COUNTY MANATEE			

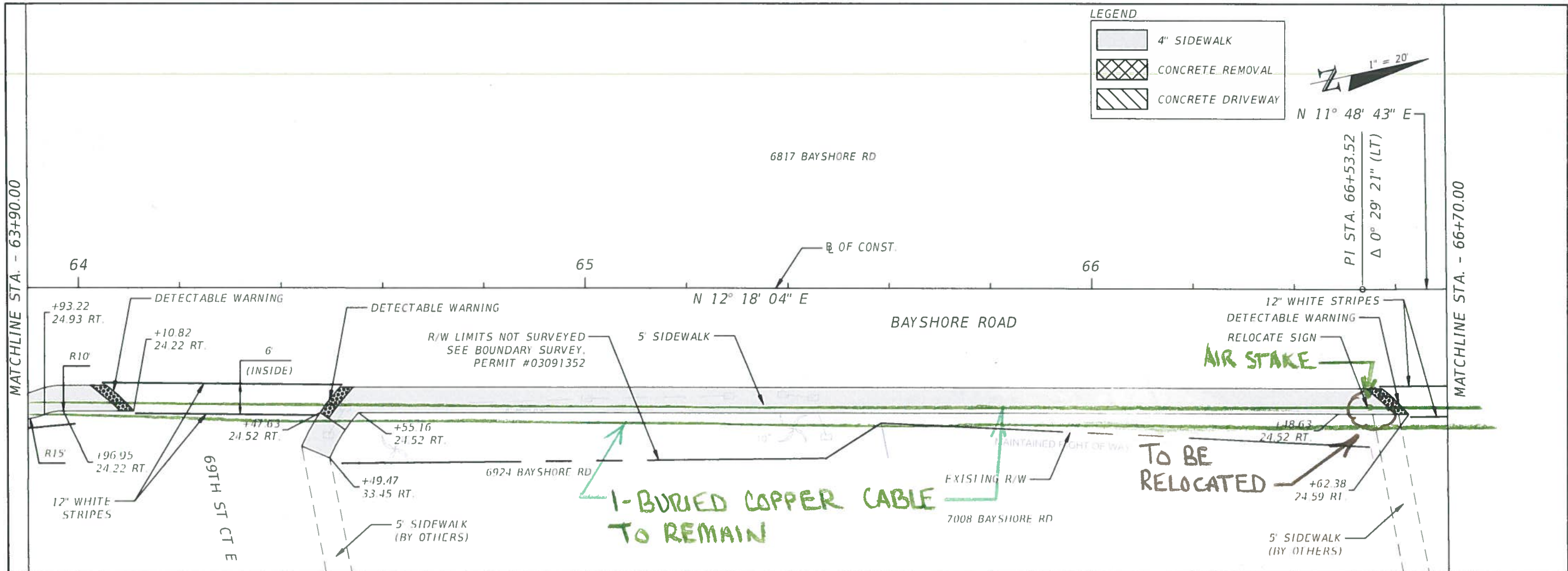
THIS DRAWING IS THE PROPERTY OF CARDINO, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION FROM CARDINO, INC.



DATE	DESCRIPTION	DATE	DESCRIPTION

CHRISTOPHER J. KNOW, P.E. P.E. LICENSE NUMBER 67490 CARDNO. INC. 180 PARK PLACE BOULEVARD, SUITE 300 CLEARWATER, FL 33759		MANATEE COUNTY		PLAN AND PROFILE (13)	SHEET NO. 20
ROAD NO.		COUNTY			
BAYSHORE ROAD		MANATEE			

THIS PLAN AND PROFILE IS THE PROPERTY OF THE ENGINEER AND SHALL BE KEPT IN THE OFFICE OF THE ENGINEER. IT IS THE ENGINEER'S RESPONSIBILITY TO SIGN AND SEAL UNDER RULE 61G15-23.004, F.A.C.



LEGEND

	4" SIDEWALK
	CONCRETE REMOVAL
	CONCRETE DRIVEWAY



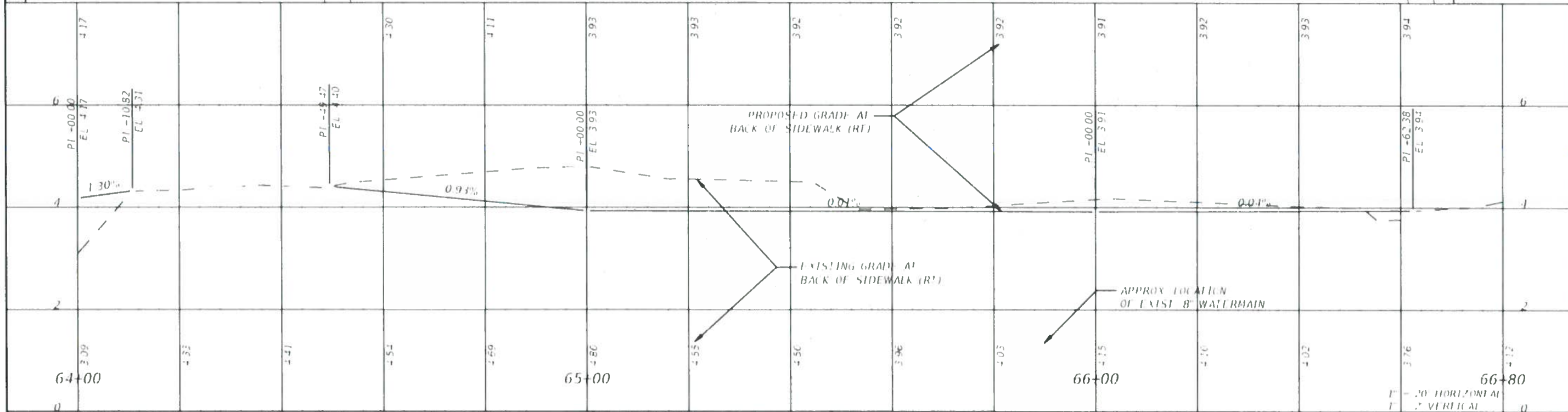
MATCHLINE STA. - 63+90.00

MATCHLINE STA. - 66+70.00

1-BURIED COPPER CABLE
TO REMAIN

TO BE
RELOCATED

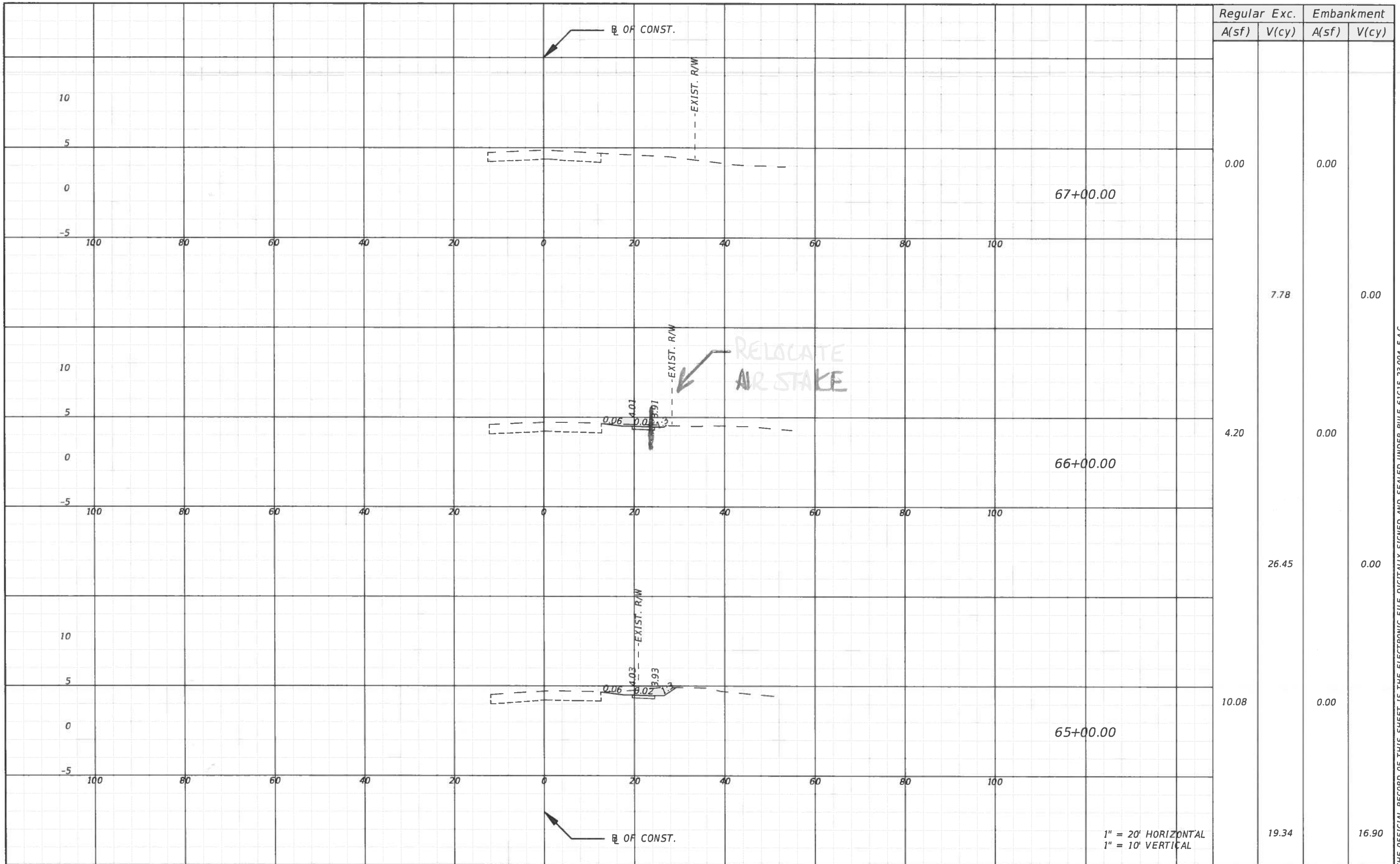
AIR STAKE



DATE		DESCRIPTION		DATE		DESCRIPTION		MANATEE COUNTY		PLAN AND PROFILE (14)	SHEET 21
								ROAD NO. 60073			
								BAYSHORE ROAD MANATEE			

CHRISTOPHER J. KNOW, P.E.
P.E. LICENSE NUMBER 62750
CARDNO. 106
380 PARK PLACE BOULVARD SUITE 300
CLEARWATER FL 34619

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






Regular		Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
0.00		0.00		0.00	
	7.78		0.00		0.00
4.20		0.00			
	26.45		0.00		0.00
10.08		0.00			
	19.34		16.90		

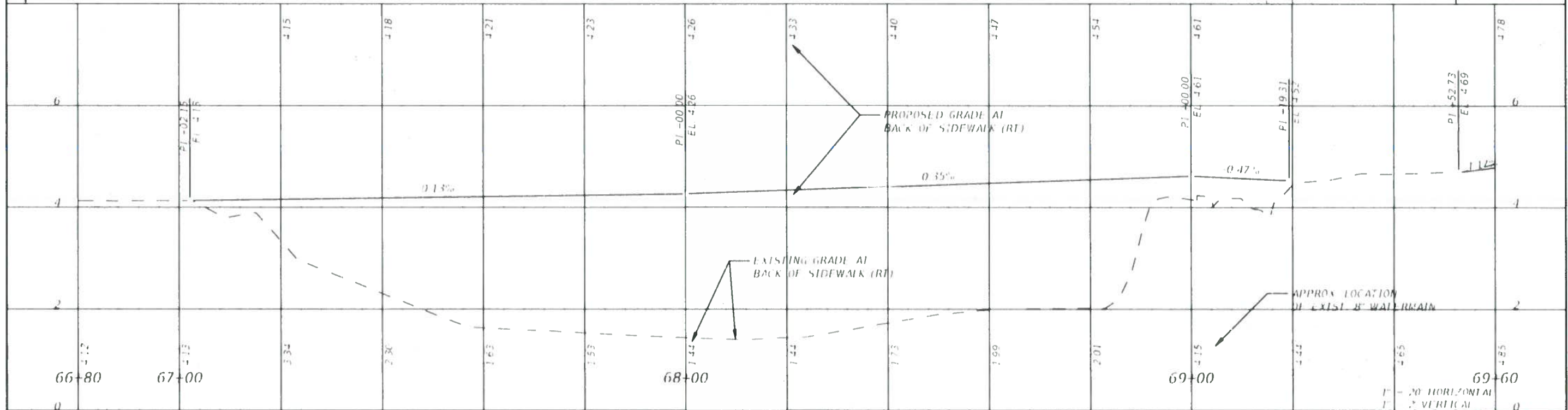
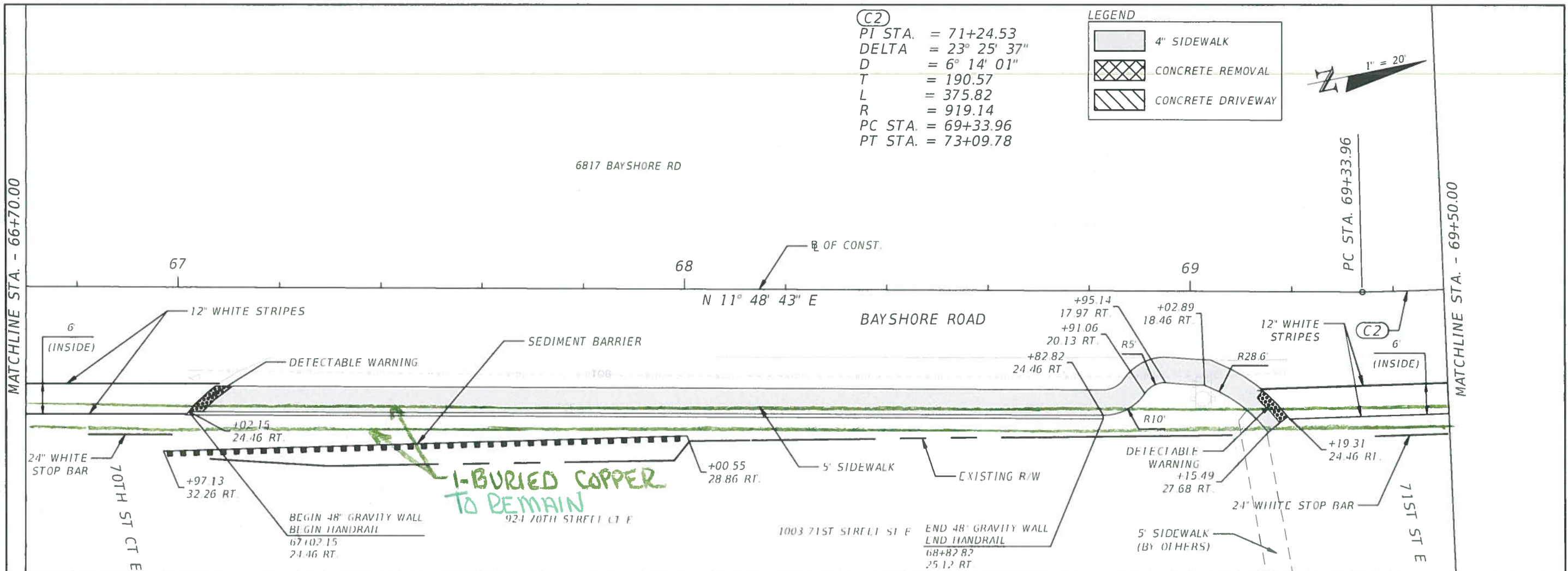
REVISIONS				CHRISTOPHER J. KNOX, P.E. P.E. LICENSE NUMBER 67350 CARDNO, INC. 380 PARK PLACE BOULEVARD, SUITE 300 CLEARWATER, FL 33759	MANATEE COUNTY		CROSS SECTIONS (13)	SHEET NO. 42
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY		
				BAYSHORE ROAD	MANATEE			

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

(C2)
 PI STA. = 71+24.53
 DELTA = 23° 25' 37"
 D = 6° 14' 01"
 T = 190.57
 L = 375.82
 R = 919.14
 PC STA. = 69+33.96
 PT STA. = 73+09.78

LEGEND

-  4" SIDEWALK
-  CONCRETE REMOVAL
-  CONCRETE DRIVEWAY






DATE	DESCRIPTION	DATE	DESCRIPTION

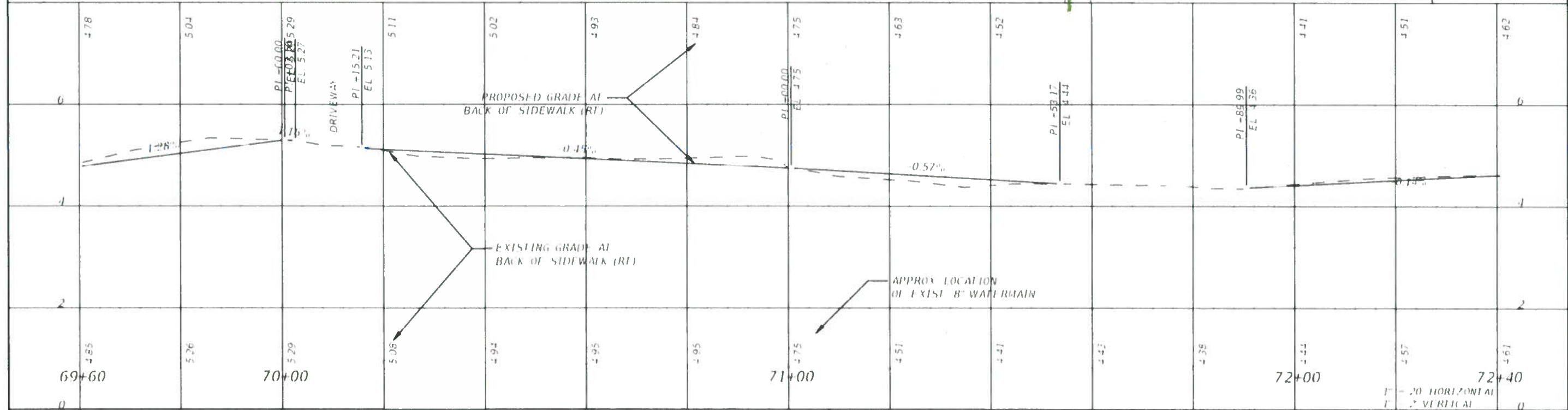
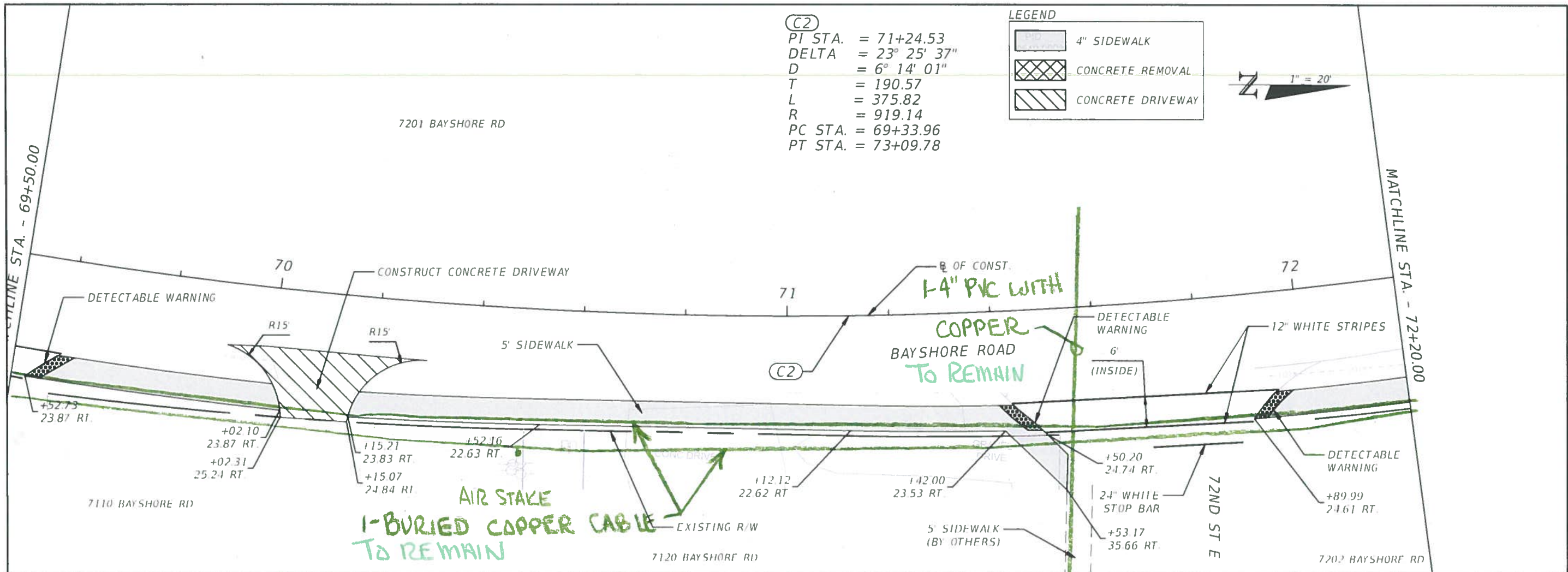
CHRISTOPHER J. KNOX, P.E. P.E. LICENSE NUMBER 67150 CARDNO. TR 380 PARK PLACE BOULEVARD, SUITE 100 CLEARWATER, FL 34619		MANATEE COUNTY		PLAN AND PROFILE (15)	SHEET 22
ROAD NO. BAYSHORE ROAD		COUNTY MANATEE			

THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, FAC.

(C2)
 PI STA. = 71+24.53
 DELTA = 23° 25' 37"
 D = 6° 14' 01"
 T = 190.57
 L = 375.82
 R = 919.14
 PC STA. = 69+33.96
 PT STA. = 73+09.78

LEGEND

-  4" SIDEWALK
-  CONCRETE REMOVAL
-  CONCRETE DRIVEWAY



DATE		DESCRIPTION		DATE		DESCRIPTION		MANATEE COUNTY		PLAN AND PROFILE (16)		SHEET 23	
								ROAD NO. BAYSHORE ROAD		COUNTY MANATEE			

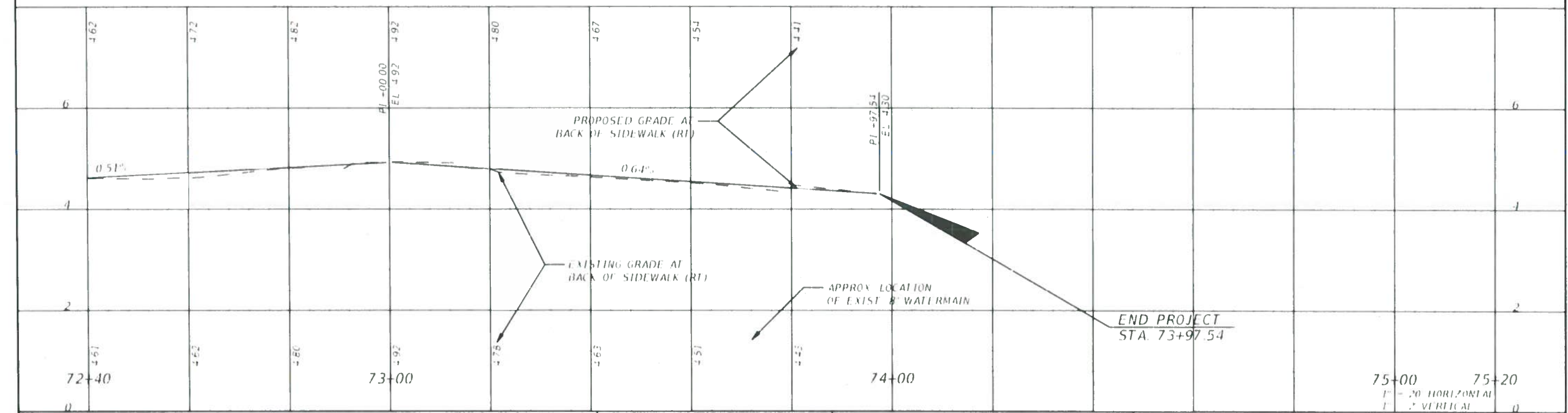
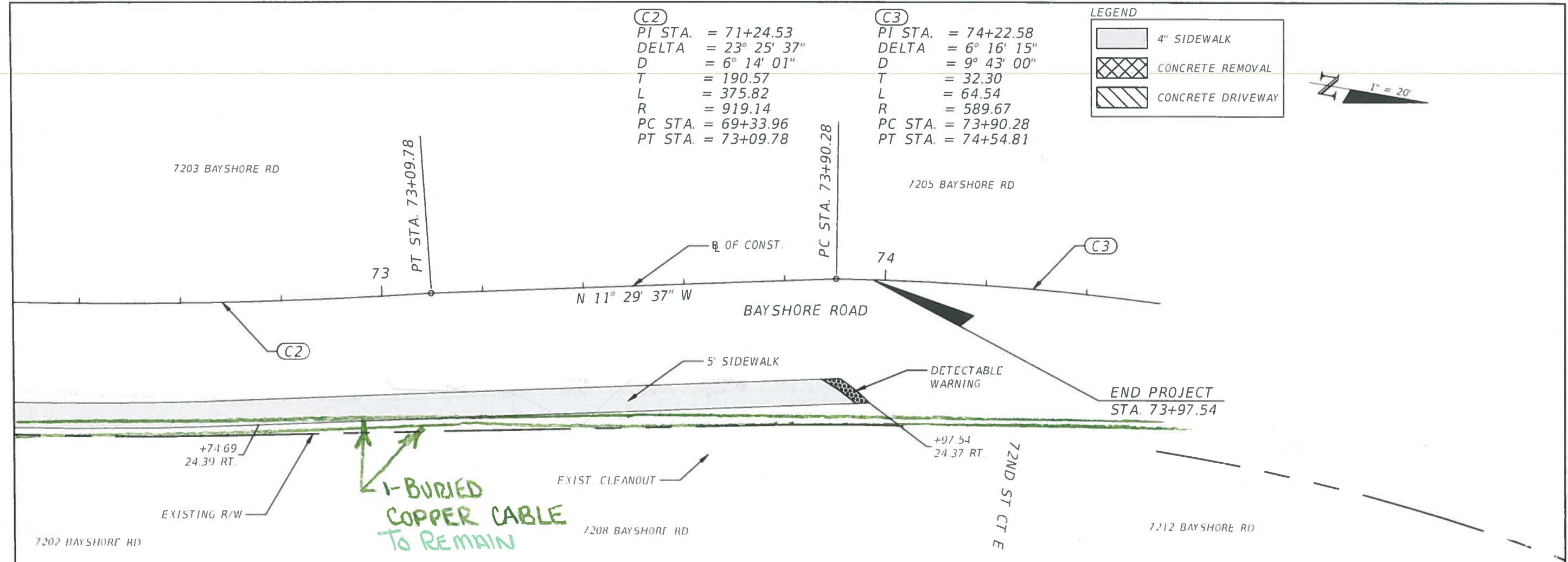
THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

(C2)
 PI STA. = 71+24.53
 DELTA = 23° 25' 37"
 D = 6° 14' 01"
 T = 190.57
 L = 375.82
 R = 919.14
 PC STA. = 69+33.96
 PT STA. = 73+09.78

(C3)
 PI STA. = 74+22.58
 DELTA = 6° 16' 15"
 D = 9° 43' 00"
 T = 32.30
 L = 64.54
 R = 589.67
 PC STA. = 73+90.28
 PT STA. = 74+54.81

LEGEND

- 4" SIDEWALK
- CONCRETE REMOVAL
- CONCRETE DRIVEWAY



DATE	DESCRIPTION	DATE	DESCRIPTION

CHRISTOPHER J. KNOX, P.E. P.E. LICENSE NUMBER 67290 CARDNO. 100 380 PARK PLACE BOULEVARD, SUITE 400 CLEARWATER, FL 34759		MANATEE COUNTY		PLAN AND PROFILE (17)	SHEET 50 24
ROAD NO.		COUNTY			
BAYSHORE ROAD		MANATEE			

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