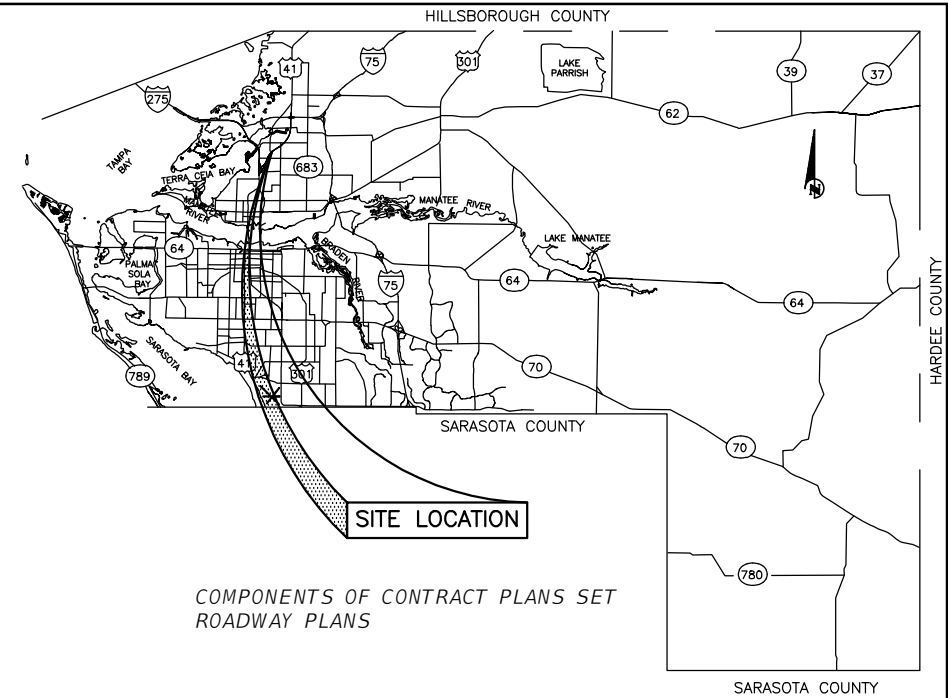




**MANATEE COUNTY**  
**PUBLIC WORKS DEPARTMENT**

**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

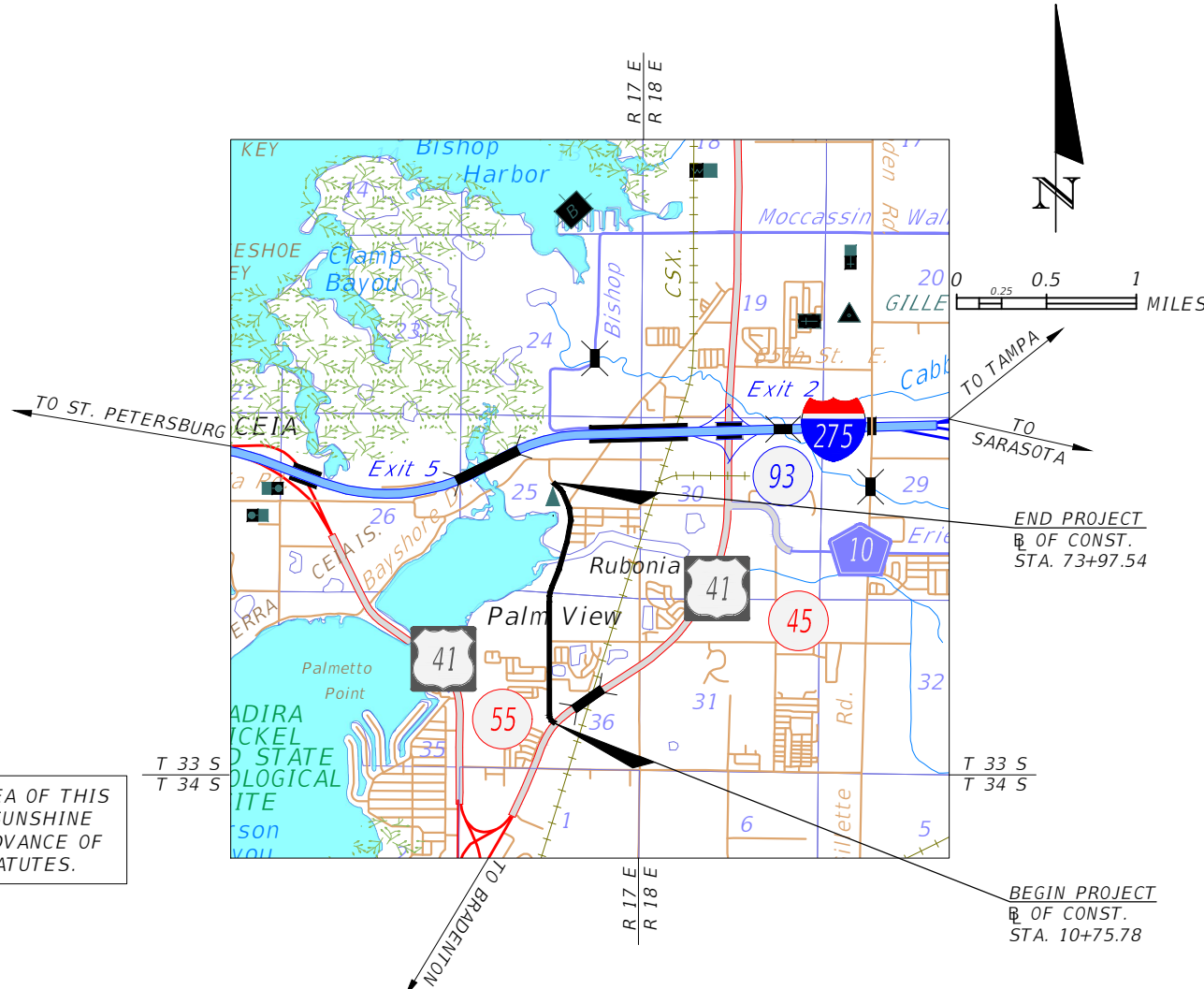
DESCRIPTION

- 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 - 6	GENERAL NOTES
7	SUMMARY OF QUANTITIES
8	PLAN LAYOUT
9 - 30	PLAN AND PROFILE
31 - 45	CROSS SECTIONS
46 - 48	DRIVEWAY HALF SECTIONS
49	TEMPORARY TRAFFIC CONTROL NOTES
50	TEMPORARY TRAFFIC CONTROL TYPICAL SECTION
51 - 67	UTILITY ADJUSTMENTS
68	UTILITY DETAILS
69	CONSTRUCTION SEQUENCE
70	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:



ENGINEER OF RECORD:

CHRISTOPHER J. KNOX, P.E.  
P.E. NO.:67350

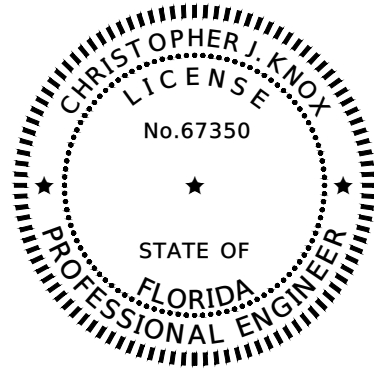
MANATEE COUNTY PROJECT MANAGER:  
DARIN C. RICE, P.E.

**SUMMARY OF REVISIONS**

DATE	DESCRIPTION

SHEET NO.

1



THIS ITEM HAS BEEN DIGITALLY  
SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

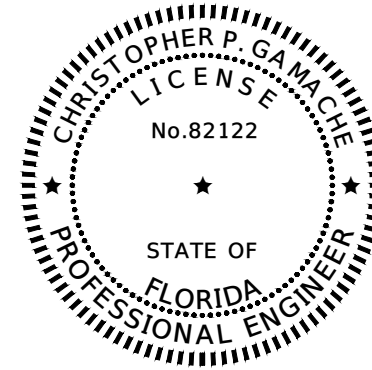
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CARDNO  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759  
CERTIFICATE OF AUTHORIZATION 29915  
CHRISTOPHER J. KNOX, P.E. NO. 67350

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

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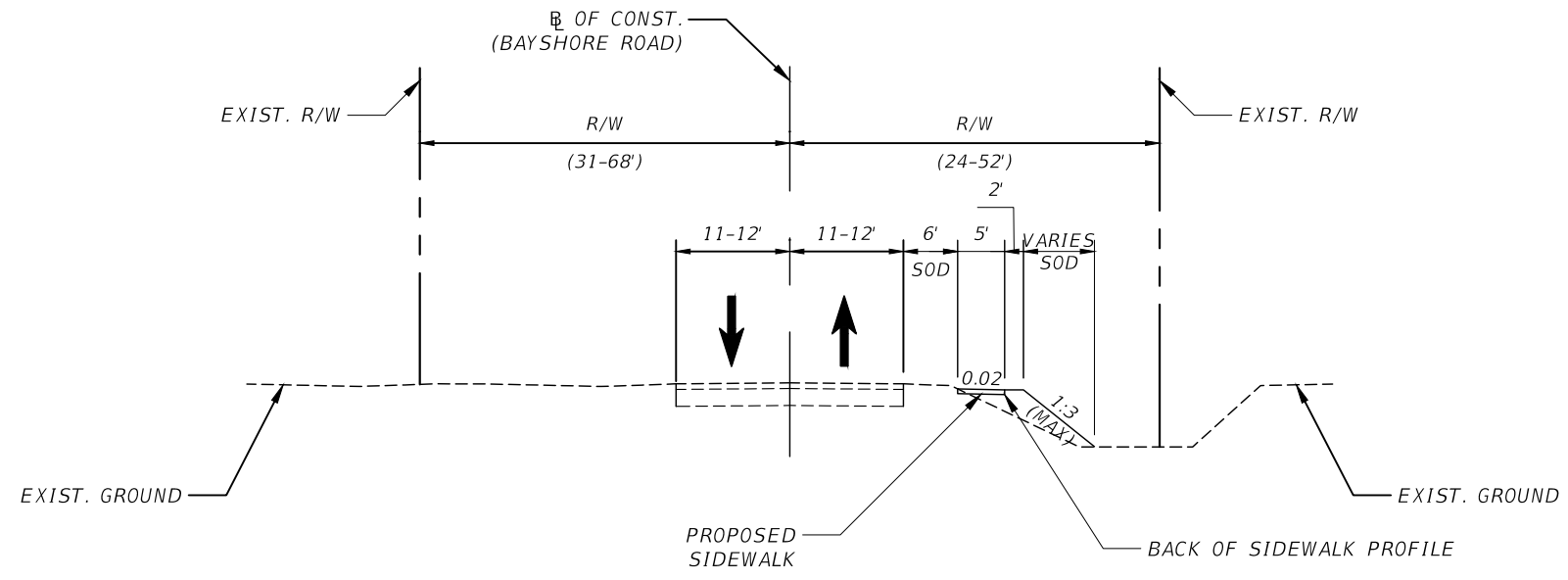
CARDNO  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759  
CERTIFICATE OF AUTHORIZATION 29915  
CHRISTOPHER P. GAMACHE, P.E. NO. 82122

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

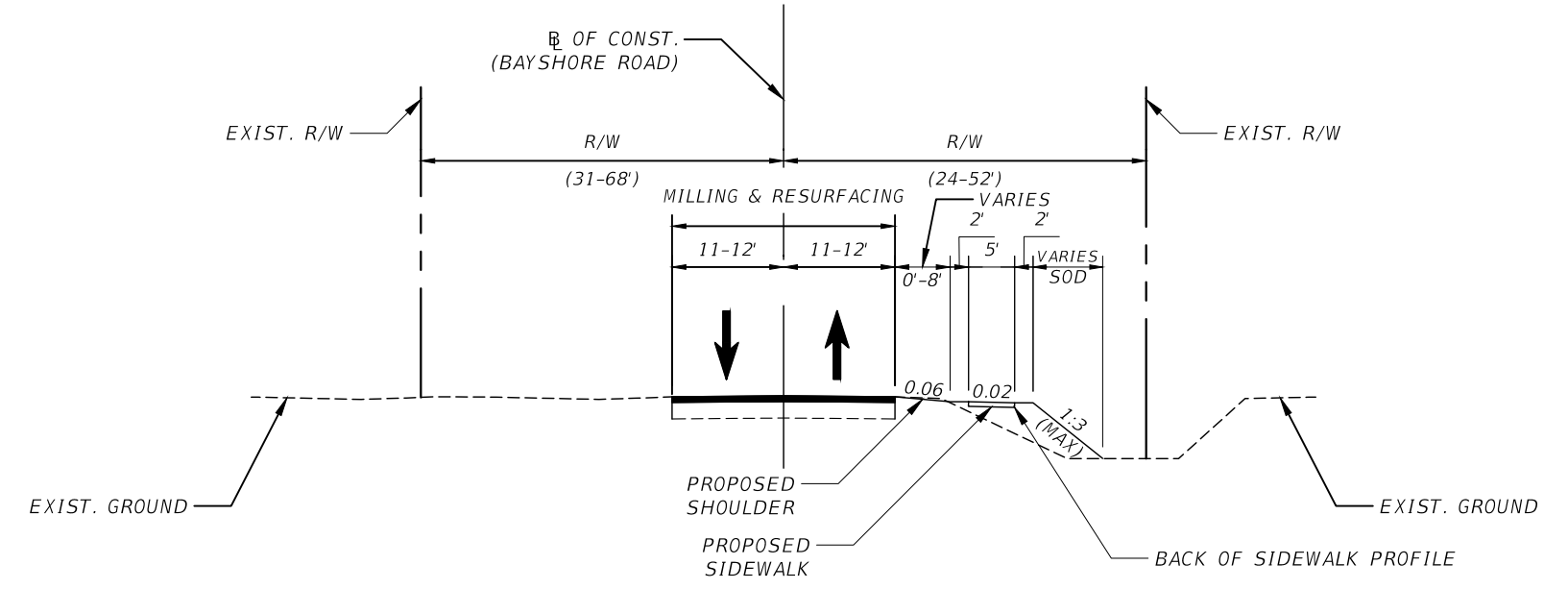
**INDEX OF ROADWAY PLANS**

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
69	CONSTRUCTION SEQUENCE
70	BARRIER DETAILS

REVISIONS				CARDNO, INC. 380 PARK PLACE BOULEVARD, SUITE 300 CLEARWATER, FL 33759	MANATEE COUNTY		SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY		2
---	---	---	---		BAYSHORE ROAD	MANATEE		



**TYPICAL SECTION  
 BAYSHORE ROAD**  
 STA. 10+75.78 TO STA. 36+56.54  
 STA. 57+44.78 TO 73+97.54



**TYPICAL SECTION  
 BAYSHORE ROAD**  
 STA. 57+48.00 TO 58+48.38  
 STA. 59+82.16 TO 61+01.33

DESIGN SPEED = 35 MPH

MILLING (INCLUDES EXISTING PAVED SHOULDER)  
 MILLING EXISTING ASPHALT PAVEMENT FOR DEPTH (1 1/2")  
RESURFACING (INCLUDES EXISTING PAVED SHOULDER)  
 TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1 1/2") PG 76-22

REVISIONS				CHRISTOPHER J. KNOX P.E. LICENSE NUMBER 67350 CARDNO, INC. 380 PARK PLACE BOULEVARD, SUITE 300 CLEARWATER, FL 33759	MANATEE COUNTY		<b>TYPICAL SECTION</b> SHEET NO. 3
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.

**GENERAL NOTES**

1. ALL CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH THE PROJECT MANAGEMENT DIVISION. THE PROJECT MANAGER IS: DARIN C. RICE, P.E., AND CAN BE REACHED AT (941) 708-7450; EXT. 7610.
2. SITE VISITS ARE MANDATORY FOR ALL BIDDERS. THESE SITE VISITS CAN BE ARRANGED THROUGH THE PROJECT MANAGER.
3. ALL CONSTRUCTION ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF MANATEE COUNTY UTILITY AND TRANSPORTATION STANDARDS AND/OR FDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" UNLESS OTHERWISE INDICATED ON THE PLANS.
4. VERTICAL CONTROL FOR THIS PROJECT WAS ESTABLISHED BY A MINIMUM OF TWO REFERENCE BENCHMARKS DESCRIBED ON THE "THE NATIONAL GEODETIC VERTICAL DATUM OF 1929", (NGVD '29) / "THE NORTH AMERICAN VERTICAL DATUM OF 1988", (NAVD '88).
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL CONDITIONS AND REQUIREMENTS OF ALL PERMITS AND ALL GOVERNING FEDERAL, STATE, AND LOCAL AGENCIES. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS THAT ARE NOT PROVIDED IN THE BID DOCUMENTS, AT NO ADDITIONAL COST TO THE OWNER.
6. THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATION THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE BASED.
7. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS ON THE PLANS AND REVIEW ALL FIELD CONDITIONS THAT MAY AFFECT CONSTRUCTION. SHOULD DISCREPANCIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO OBTAIN THE ENGINEER'S CLARIFICATION BEFORE COMMENCING WITH CONSTRUCTION.
8. AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA AT 1-800-432-4770 OR THE NATIONAL 811 ONE CALL NUMBER WHEN APPLICABLE FOR UTILITY LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL UTILITIES FOR THE POSSIBLE RELOCATION OR THE TEMPORARY MOVEMENT OF ANY EXISTING UTILITIES WITHIN THE RIGHTS-OF-WAY.
9. ALL STATIONS AND OFFSETS REFER TO BASELINE OF CONSTRUCTION, UNLESS OTHERWISE NOTED.
10. THE CONSTRUCTION LENGTHS IN THESE PLANS ARE APPROXIMATE. ACTUAL LIMITS MAY BE SET IN THE FIELD AS DIRECTED BY THE ENGINEER.
11. SEPARATE PAYMENT SHALL BE MADE ONLY FOR THE ITEMS OF WORK LISTED AND IDENTIFIED BY APPROPRIATE PAY ITEM ON THE BID FORM. THE COST OF ANY RELATED WORK NOT SPECIFICALLY IDENTIFIED, BUT WHICH IS REQUIRED FOR SATISFACTORY COMPLETION OF THE WORK, SHALL BE CONSIDERED TO BE INCLUDED IN THE CONTRACT PRICE FOR THE APPROPRIATE BID ITEM.
12. THE CONTRACTOR SHALL HAVE A FOREMAN, OR RESPONSIBLE PARTY, ON SITE AT ALL TIMES WHEN WORK IS BEING PERFORMED. ALL WORKERS ON THE JOB SITE WILL BE COURTEOUS TO THE PUBLIC AT ALL TIMES AND SHALL REFER ANY QUESTIONS OR CONCERNS TO THE CONTRACTOR'S FOREMAN OR THE COUNTY INSPECTOR. THE FOREMAN SHALL SPEAK AND UNDERSTAND ENGLISH AND SHALL BE AVAILABLE AT ALL TIMES FOR TIMELY RESOLUTION OF PROJECT-RELATED ISSUES.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE COORDINATION OF CONSTRUCTION SCHEDULING BETWEEN CONTRACTOR AND ALL UTILITY AGENCIES.

NOTE:  
THIS INCLUDED MEETING WITH UTILITY AGENCIES PRIOR TO THE PRE-CONSTRUCTION CONFERENCE TO ADJUST THEIR SCHEDULES TO COINCIDE WITH THE CONTRACTORS CONSTRUCTION SCHEDULE. (REFERENCE CONTRACT DOCUMENTS)

14. ANY DAMAGE TO STATE, COUNTY, OR LOCAL ROADS CAUSED BY THE CONTRACTOR'S HAULING OR EXCAVATION EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTORY OF THE COUNTY PROJECT MANAGER. PAYMENT SHALL NOT BE MADE FOR THIS WORK.
15. ALL CONSTRUCTION WITHIN FDOT RIGHT-OF-WAY IS TO BE IN ACCORDANCE WITH CURRENT FDOT STANDARD SPECIFICATIONS FOR ROADWAY CONSTRUCTION AND THE DESIGN STANDARDS.
16. ALL SIGNING, STRIPING AND RPM PLACEMENT WITHIN THE COUNTY RIGHT-OF-WAY IS TO BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROADWAY CONSTRUCTION AND THE DESIGN STANDARDS.
17. MONUMENTATION - HORIZONTAL CONTROL, BENCHMARKS, ETC. SET BY THE CONSULTANT, SHALL HAVE THEIR COMPANY IDENTIFICATION ON THE TAG, DISK OR CAP. AT THE COMPLETION OF THE PROJECT, SURVEY CONTROL, BENCHMARKS, PROPERTY CORNERS, ETC. LOST DUE TO CONSTRUCTION SHALL BE RESET.

**SAFETY**

18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE FLORIDA TRENCH SAFETY ACT, 90-96, LAWS OF FLORIDA EFFECTIVE OCTOBER 1, 1990 AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION EXCAVATION SAFETY STANDARDS, 29 CFR 1926.650, SUBPART P, AS AMENDED. THE CONTRACTOR SHALL INCLUDE IN THE TOTAL BID PRICE ALL COSTS FOR COMPLIANCE WITH THESE REGULATIONS.
19. THE CONTRACTOR SHALL USE SHEET PILING, SHEETING, BRACING, ETC., AS REQUIRED IN ALL EXCAVATION AREAS AND CONFORM TO ALL OSHA REQUIREMENTS.
20. THE CONTRACTOR SHALL USE ALL NECESSARY SAFETY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND UTILITIES, POWER LINES, ETC.
21. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. THIS EXCLUSION DOES NOT ALLEVIATE THE CONTRACTOR FOR PROVIDING A CONTINUOUS SAFE WORKSPACE.

**ENVIRONMENTAL**

22. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION ALL SEDIMENT AND EROSION CONTROL (SEC) DEVICES (E.G., BARRIERS, SEDIMENT TRAPS/BASINS, VEGETATIVE BUFFERS, ETC.) AS SPECIFIED IN THE FINAL APPROVED PLANS FOR THE PROJECT. CONTRACTOR SHALL BE

- RESPONSIBLE FOR MAINTAINING ALL SEC DEVICES UTILIZED DURING THE PROJECT, AS WELL AS INSTALLATION & MAINTENANCE OF ANY ADDITIONAL MEASURES DEEMED NECESSARY DURING PROJECT IMPLEMENTATION, TO PREVENT EROSION AND OFF-SITE SEDIMENT MIGRATION. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REMOVAL AND PROPER DISPOSAL OF ALL SEC DEVICES UPON CONCLUSION OF THE PROJECT, AND UPON ADEQUATE STABILIZATION OF DISTURBED SOILS.
23. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY STORM WATER, EROSION, AND SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH THE FDEP "FLORIDA STORM WATER, EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL". IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT TO SURFACE DRAINS AND TO DITCHES DURING CONSTRUCTION.
24. STOCKPILES SHALL BE PROTECTED AT ALL TIMES BY ON-SITE DRAINAGE CONTROLS WHICH PREVENT EROSION OF THE STOCKPILED MATERIAL. CONTROL OF DUST FROM SUCH STOCKPILES IS REQUIRED, DEPENDING UPON THEIR LOCATION AND THE EXPECTED LENGTH OF TIME THE STOCKPILES WILL BE PRESENT. IN NO CASE SHALL ANY STOCKPILED MATERIAL REMAIN AFTER THIRTY (30) CALENDAR DAYS.
25. STORM WATER INLETS IN THE VICINITY OF THE PROJECT SHALL BE PROTECTED BY SEDIMENT TRAPS SUCH AS SECURED HAY BALES, SOD, STONE, ETC., WHICH SHALL BE MAINTAINED AND MODIFIED AS REQUIRED BY CONSTRUCTION PROGRESS, AND WHICH MUST BE APPROVED BY THE ENGINEER BEFORE INSTALLATION. THIS WILL BE MAINTAINED TO PREVENT DEGRADATION OF THE WATERS OF THE COUNTY AND STATE.
26. SOIL DISPLACED BY CONSTRUCTION WILL BE REMOVED. EROSION CONTROL SHALL BE IMPLEMENTED IN AREAS WHICH ARE CONSIDERED ENVIRONMENTALLY SENSITIVE. EROSION CONTROL SYSTEMS SHALL BE REQUIRED FOR ALL WORK WITHIN JURISDICTIONAL AREAS. THESE SYSTEMS MAY INCLUDE STAKED HAY BALES, SILT SCREENS, FILTER FABRIC, AND TURBIDITY SCREENS.
27. ALL EROSION AND POLLUTION CONTROL DEVICES SHALL BE CHECKED REGULARLY, ESPECIALLY AFTER EACH RAINFALL AND SHALL BE CLEANED OUT AND/OR REPAIRED AS REQUIRED.
28. THE CONTRACTOR SHALL NOT ENTER UPON OR IN ANY WAY ALTER WETLAND AREAS THAT MAY BE ON OR NEAR THE CONSTRUCTION SITE. ALL WORK IN THE VICINITY OF OPEN WATER AND/OR WETLANDS IS TO BE PERFORMED IN COMPLIANCE WITH THE ENVIRONMENTAL REGULATIONS AND/OR PERMITS FOR THE SITE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY FINES RESULTING FROM HIS VIOLATION OF ANY REGULATIONS OR PERMIT CONDITIONS.

**RIGHT-OF-WAY**

29. ALL CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO WITHIN THE MANATEE COUNTY/FDOT RIGHT-OF-WAY AND/OR EASEMENTS SHOWN ON THE DRAWINGS.
30. THE CONTRACTOR SHALL EMPLOY A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA TO REFERENCE AND RESTORE PROPERTY CORNER MONUMENTS, PINS, AND LANDMARKS THAT MAY BE DISTURBED BY CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
31. THE CONTRACTOR, PRIOR TO CONSTRUCTION AND RESTRICTING ANY TRAFFIC, MUST OBTAIN A RIGHTS-OF-WAY USE PERMIT AND A TRAFFIC CONTROL PLAN. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM OTHER GOVERNMENTAL AGENCIES HAVING RELEVANT JURISDICTION. ALL MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD). A TRAFFIC CONTROL PLAN SHALL BE SUPPLIED BY THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING.
32. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL DAMAGED STORM WATER STRUCTURES, PIPING, ENTRANCE PIPE AND HEADWALLS, THAT ARE TO REMAIN, WHETHER SHOWN ON THE PLANS OR NOT.
33. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH IN THE FIELD THE RIGHT-OF-WAY LINES, BASE LINES, BENCH MARKS (ELEV.), CENTER LINES, AND STATIONING AS REQUIRED TO CONSTRUCT THIS PROJECT. REFER TO THE ORIGINAL SIGNED AND SEALED SURVEY CONTROL SHEETS IN THE PROJECT FILE.
34. THE CONTRACTOR SHALL COORDINATE THE CUTTING OF DRIVEWAYS WITH THE PROPERTY OWNER PRIOR TO CUT. ALL DRIVEWAYS WILL BE IN PASSABLE CONDITION AT THE END OF THE WORK DAY AND FULLY RESTORED PER PLAN. THE CONTRACTOR SHALL COORDINATE WITH THE AFFECTED UTILITY COMPANY FOR THE ADJUSTMENT OF ANY EXISTING UTILITIES AND STRUCTURES IN ORDER TO MATCH THE PROPOSED ELEVATIONS AND ALIGNMENTS.
35. A RIGHT OF ENTRY AGREEMENT SHALL BE OBTAINED BY THE PROJECT MANAGER FROM THE PROPERTY OWNER BEFORE ANY DRIVEWAY CONSTRUCTION WORK IS DONE OUTSIDE OF THE RIGHT-OF-WAY OR EASEMENT.

**UTILITIES**

36. LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. THERE MAY BE OTHER IMPROVEMENTS, UTILITIES, ETC. WHICH ARE WITHIN THE PROJECT AREA AND WHICH HAVE NOT BEEN LOCATED OR IDENTIFIED, MAY NOT BE IN THE EXACT LOCATION SHOWN OR RELOCATED SINCE THE PREPARATION OF THESE PLANS. THE CONTRACTOR SHALL VERIFY, PRIOR TO CONSTRUCTION, THE LOCATIONS, ELEVATIONS AND DIMENSIONS OF ALL EXISTING UTILITIES STRUCTURES AND OTHER FEATURES (WHETHER OR NOT SHOWN ON THE PLANS) THAT MAY AFFECT HIS WORK. ALL EXISTING UTILITIES TO BE EXTENDED, CROSSED OR CONNECTION POINTS SHALL BE EXPOSED PRIOR TO CONSTRUCTION TO VERIFY LOCATION AND ELEVATION. ANY DISCREPANCIES OR CONFLICTS FOUND SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR RESOLUTION. UTILITIES DESIGNATED VV, VH, AND VVH ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS

REVISIONS				CHRISTOPHER J. KNOX, P.E. P.E. LICENSE NUMBER 67350 CARDNO, INC. 380 PARK PLACE BOULEVARD, SUITE 300 CLEARWATER, FL 33759	MANATEE COUNTY		SHEET NO.  4
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	
---	---				BAYSHORE ROAD	MANATEE	

BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED. EXTREME CAUTION SHALL BE EXERCISED WHEN WORKING NEAR THE 24" WATERLINE.

37. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, WATER AND SEWER LINES, STORM DRAINS, UTILITIES, DRIVEWAYS, SIDEWALKS, SIGNS, MAIL BOXES, FENCES, TREES, LANDSCAPING, AND ANY OTHER IMPROVEMENT OR FACILITY IN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY DAMAGED ITEM DUE TO HIS CONSTRUCTION ACTIVITIES TO EQUAL OR BETTER THAN PRE-CONSTRUCTION CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
38. EXCEPT WHERE THE PLANS AND SPECIFICATIONS PROVIDE THAT SUCH WORK SHALL BE PERFORMED UNDER THE CONTRACT FOR THIS PROJECT. ALL UTILITIES INTERFERING WITH CONSTRUCTION SHALL BE REMOVED, RELOCATED OR ADJUSTED BY THEIR OWNERS, AT THEIR EXPENSE. THE CONTRACTOR SHALL ARRANGE HIS SCHEDULE TO ALLOW UTILITY OWNERS TIME FOR THE NECESSARY RELOCATION AND ADJUSTMENT OF UTILITIES AND RELATED STRUCTURES.
39. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL UTILITY COMPANIES FOR THE RELOCATION AND ADJUSTMENT OF ALL UTILITIES, INCLUDING, ANY EXISTING POWER POLES AND/OR UTILITY CONDUITS WITHIN RIGHT-OF-WAY.
40. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH THE APPROPRIATE PARTIES TO DETERMINE THE COUNTY'S FIBER COMMUNICATION NETWORK, KNOWN AS ATMS (COUNTY ISD, SCHOOL BOARD, AND TRAFFIC MANAGEMENT CENTER) IN THE AREA TO ACCOMMODATE ANY POTENTIAL CONFLICTS. AS-BUILT INFORMATION FOR EXISTING COMMUNICATION CONDUIT AND FIBER IS AVAILABLE FROM FRANK CONETTA, WITH UTILITY RECORDS (941-792-8811 EXT. 5027).

**DRAINAGE AND GRADING**

41. ALL CONSTRUCTION IS TO BE STAKED IN THE FIELD BY OR UNDER THE SUPERVISION OF A FLORIDA REGISTERED LAND SURVEYOR.
42. THE CONTRACTOR IS TO PROVIDE THE ENGINEER OF RECORD WITH REPRODUCIBLE RECORD DRAWINGS SHOWING ALL IMPROVEMENT LOCATIONS AND ELEVATIONS IN ACCORDANCE WITH LATEST MANATEE COUNTY TRANSPORTATION DEPARTMENT STANDARDS AND SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT (SWFWM) STANDARDS. THE CONTRACTOR SHALL ALSO PROVIDE FIVE SETS OF PRINTS, SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR, OF THE RECORD DRAWINGS TO THE ENGINEER OF RECORD. THESE RECORD DRAWINGS SHALL BE CERTIFIED TO THE OWNER, APPROPRIATE GOVERNMENTAL AGENCIES. RECORD DRAWINGS SHALL SPECIFICALLY INCLUDE STORMWATER FACILITY LOCATIONS, INCLUDING TOP OF BANK, UNDERDRAIN AND CONTROL STRUCTURES, SHALL BE PERFORMED BY A REGISTERED LAND SURVEYOR AND REVIEWED BY THE ENGINEER OF RECORD PRIOR TO ACCEPTANCE AND PAYMENT. BENCH MARKS WITH THE ELEVATION CLEARLY AND PERMANENTLY MARKED ARE TO BE PLACED ON THE TOP OF ALL PROPOSED OUTFALL CONTROL STRUCTURES. RECORD DRAWINGS OF ALL MITIGATION AREAS INCLUDING ELEVATIONS, ZONES AND LIMITS SHALL BE PERFORMED BY A REGISTERED LAND SURVEYOR AND REVIEWED BY THE ENGINEER OF RECORD PRIOR TO ACCEPTANCE AND PAYMENT. THE RECORD DRAWINGS SHALL SPECIFICALLY INCLUDE THE SURFACE AREA OF STORMWATER LOCATIONS, THE CONTRACTOR SHALL PERFORM DAILY SITE INSPECTIONS FOR POTENTIAL EROSION PROBLEMS. IF PROBLEMS OCCUR, THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING APPROPRIATE EROSION CONTROL IMMEDIATELY. AN INSPECTION LOG SHALL BE MAINTAINED AND AVAILABLE ONSITE AT ALL TIMES. STORMWATER FACILITY AREAS AT NORMAL WATER), TOP OF BANK AND ELEVATION (NWL25), AT HIGH WATER ELEVATION (HWL ALL MITIGATION AND/OR LITTORAL SHELF AREAS.
43. TO PREVENT SEDIMENTARY RUNOFF DURING CONSTRUCTION, STAKED HAY BALES, STAKED SILT SCREENS OR INLET DEBRIS CONTROL SCREENS ARE TO BE PLACED AT STORM INLETS, OUTFALL LOCATIONS AND ADJACENT PROPERTY LINES AS REQUIRED PRIOR TO ANY CONSTRUCTION ACTIVITIES. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSTALLED AND THEN VERIFIED/INSPECTED BY MANATEE COUNTY INFRASTRUCTURE INSPECTIONS RESOURCES DIVISION (708-7450) PRIOR TO COMMENCEMENT OF CONSTRUCTION THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE SEDIMENTATION BARRIERS IN A WORKING MANNER FOR THE DURATION OF CONSTRUCTION AND SHOULD BE CHECKED DAILY. SILTATION ACCUMULATIONS GREATER THAN THE LESSER OF 12 INCHES OR ONE-HALF OF THE DEPTH OF THE SEDIMENTATION BARRIER SHALL BE IMMEDIATELY REMOVED AND REPLACED IN UPLAND AREAS. IN ADDITION TO SPECIFIED EROSION CONTROL TREATMENT FACILITIES INCLUDING OUTFALL PER DETAIL ARE TO BE CONSTRUCTED EARLY IN SITE DEVELOPMENT, WITH NO OFF- SITE UNTREATED RUN-OFF OCCURRING DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING TEMPORARY EROSION CONTROL DEVICES FOLLOWING COMPLETION OF ALL CONSTRUCTION AND FINAL STABILIZATION.
44. ALL PIPE LENGTHS SHOWN ON PLAN VIEW ARE TO THE END OF THE MITERED END SECTION. REFER TO MITERED END SECTION DETAIL FOR LENGTH OF PIPE TO BE INCLUDED IN PRICE FOR MITERED END SECTION.
45. TOPOGRAPHIC AND PROPERTY SURVEYS GIVING LOT SIZE, GROUND ELEVATIONS, OBSTRUCTIONS ON SITE, LOCATIONS AND DEPTHS OF SEWERS, CONDUITS, PIPES, EXISTING STRUCTURES, CURBS, PAVEMENTS, TRACTS, AND SOIL BORING DATA GIVING THE NATURE OF GROUND AND SUBSURFACE CONDITIONS HAVE BEEN OBTAINED FROM RELIABLE SOURCES. THE ACCURACY OF THIS DATA IS NOT GUARANTEED AND IS FURNISHED SOLELY AS AN ACCOMMODATION TO THE CONTRACTOR. USE OF THIS DATA SHALL BE MADE AT THE CONTRACTOR'S DISCRETION. NO ADDITIONAL COMPENSATION WILL BE GRANTED DUE TO THE CONTRACTOR'S LACK OF KNOWLEDGE OF SITE CONDITIONS. PRIOR TO BID SUBMISSION, THE CONTRACTOR SHALL CONDUCT ANY ADDITIONAL SURVEYS AND SOILS TESTS HE MAY DEEM NECESSARY TO VERIFY THE ACCURACY OF THE INFORMATION PROVIDED.
46. THE CONTRACTOR SHALL VERIFY TOPOGRAPHY AND SATISFY HIMSELF AS TO THE EXTENT OF FILL NECESSARY TO ACHIEVE FINISHED GRADE PRIOR TO AWARD OF CONTRACT. THERE SHALL BE NO CLAIM FOR EXTRAS NOTWITHSTANDING SITE PLAN REVISIONS PROMULGATED SUBSEQUENT TO AWARD OF CONTRACT.
47. SUITABLE FILL MATERIAL FROM EXCAVATION SHALL BE UTILIZED FOR PROJECT FILL PER GRADING SPECIFICATIONS. UNSUITABLE MATERIAL SHALL BE PLACED IN OPEN AREAS ONLY AS DIRECTED BY THE PROJECT ENGINEER AND SOILS ENGINEER IN ACCORDANCE WITH FDOT INDEX 505.
48. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL STRUCTURES PRIOR TO INSTALLATIONS.
49. REFER TO CONSTRUCTION TECHNICAL SPECIFICATIONS FOR COMPACTION REQUIREMENTS, GRASSING/SODDING REQUIREMENTS, AND PAVING CONSTRUCTION MATERIAL SPECIFICATIONS.
50. ALL FILL AREAS ARE TO BE CONSTRUCTED IN 12" MAXIMUM LIFTS.
51. ON SLOPES GREATER THAN 3:1 PEGGING OR PINNING OF SOD MAY BE REQUIRED.
52. STATION LOCATIONS AND OFFSETS FOR STORM DRAIN INLETS AND MANHOLES REFERENCE THE CENTER OF THE SPECIFIED STRUCTURE BOTTOM. STATION LOCATION IS CENTER OF STRUCTURE BOTTOM FOR JUNCTION BOXES, CENTER OF RISER FOR CURB INLETS. FOR PIPES WITH

- MITERED END SECTIONS, THE PROPOSED LENGTHS SHOWN ON THE PLANS INCLUDE THE LENGTH OF THE MITERED END SECTION. PAYMENT FOR PIPE SHALL NOT INCLUDE THE LENGTH OF THE MITERED END SECTION. AS SPECIFIED BY DIMENSION "F" AS SHOWN IN FDOT INDEX 430-021 AND 430-022. PAYMENT SHALL BE FROM INSIDE STRUCTURE WALL TO INSIDE STRUCTURE WALL. ANY EXTRA PIPE LENGTH LISTED SHALL BE CONSIDERED CONTINGENT.
53. ALL CURB INLET AND JUNCTION BOX STORMWATER STRUCTURES SHALL HAVE HEAVY DUTY RING AND COVER MANHOLE ACCESS. ALL DRAINAGE BOX DETAIL SHALL FOLLOW MANATEE COUNTY CURRENT STANDARD 202.1 UNLESS IT IS DESIGNATED IN THE PLAN. ALL DRAINAGE BOXES SHALL HAVE A WALL THICKNESS OF 6" MINIMUM.
54. DURING DEWATERING OPERATIONS, THE CONTRACTOR SHALL NOT DISCHARGE DIRECTLY TO RECEIVING WATERS, EXISTING CONVEYANCES TO RECEIVING WATERS, OR WETLAND SYSTEMS. TEMPORARY SEDIMENT BASINS, TRAPS, OR SILTATION REDUCTION DEVICES SHALL BE UTILIZED TO COLLECT THE DISCHARGE FROM DEWATERING ACTIVITIES TO ELIMINATE THE POTENTIAL FOR OFFSITE SEDIMENT TRANSPORT AND TO ENSURE THAT DIRECT DISCHARGE DOES NOT OCCUR.

**RESTORATION**

55. ALL RESTORATION WORK PERFORMED THROUGHOUT THE PROJECT SHALL CONFORM TO EXISTING LINES AND GRADES UNLESS SHOWN OTHERWISE.
56. ALL DISTURBED GRASSED AREAS SHALL BE SODDED. THE TYPE OF SOD USED TO REPLACE OWNER MAINTAINED AREAS IN RIGHT-OF-WAY SHALL BE COORDINATED WITH THE PROPERTY OWNER. ALL EXISTING SHRUBS, TREES, PLANTINGS AND OTHER VEGETATION, OUTSIDE OF RIGHT-OF-WAY DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH EQUIVALENT MATERIAL BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
57. CONCRETE DRIVEWAYS OR SIDEWALKS THAT ARE CUT SHALL BE RESTORED TO MATCH EXISTING ACCORDING TO THE CURRENT EDITIONS OF THE F.D.O.T. SPECIFICATIONS FOR ROAD AND BRIDGE DESIGN, SECTION 522-001, AND SECTION 522-003 OF THE F.D.O.T. DESIGN STANDARDS LATEST REVISION.
58. WHENEVER A PERMANENT ROADWAY SURFACE IS NOT PLACED IMMEDIATELY AFTER BACKFILLING AND COMPACTION OF THE NEWLY INSTALLED PIPE LINE IN AREAS WHERE TRAFFIC MUST PASS, THE CONTRACTOR SHALL INSTALL A TEMPORARY SURFACE CONSISTING OF NINE INCHES OF COMPACTED LIME ROCK BASE AND A COAT OF ASPHALT EMULSION. PERMANENT ROADWAY REPAIR SHALL BE PERFORMED A MAXIMUM OF TWENTY-ONE CALENDAR DAYS AFTER THE INITIAL OPEN CUTTING.
59. RESTORATION OF CURBS, DRIVEWAYS, SIDEWALKS, AND PLACEMENT OF SOD SHALL BE COMPLETED WITHIN FORTY-FIVE CALENDAR DAYS OF INITIAL DISTURBANCE, OR TWENTY-ONE CALENDAR DAYS OF SUBSTANTIAL COMPLETION, WHICHEVER OCCURS FIRST.

**CONSTRUCTION**

60. THE EXHAUST SYSTEM OF ALL GASOLINE AND DIESEL ENGINES SHALL BE EQUIPPED WITH MUFFLERS THAT MEET THE EQUIPMENT MANUFACTURER'S REQUIREMENTS FOR NOISE SUPPRESSION. THE CONTRACTOR SHALL INSTALL NOISE ABATEMENT BAFFELS POSITIONED TO BREAK LINE-OF-SITE FROM THE NOISE SOURCE TO AFFECTED RESIDENCES, AS APPROVED BY THE ENGINEER.
61. NO MATERIAL SHALL BE STOCKPILED IN ROADWAYS. ALL DIRT AND DEBRIS SHALL BE REMOVED FROM THE JOB SITE DAILY. ROADS SHALL BE SWEEPED DAILY AS PART OF DAILY CLEAN UP.
62. THE CONTRACTOR IS TO CONTROL ALL FUGITIVE DUST ORIGINATING ON THIS PROJECT BY WATERING OR OTHER METHODS AS REQUIRED.
63. INGRESS AND EGRESS TO ALL THE PROPERTIES IN THE CONSTRUCTION AREA SHALL BE MAINTAINED AT ALL TIMES.
64. PRIOR APPROVAL WILL BE REQUIRED FOR REMOVAL OF ANY TREE WITHIN THE CONSTRUCTION AREA, UNLESS OTHERWISE NOTED ON THE PLANS.
65. THE CONTRACTOR SHALL PROVIDE ALL DEWATERING EQUIPMENT NECESSARY TO KEEP ALL EXCAVATIONS DRY. DEWATERING IS REQUIRED TO 18" BELOW TRENCH BOTTOM. THE CONTRACTOR SHALL SUBMIT DEWATERING PLAN TO DISTICT FOR APPROVAL PRIOR TO CONSTRUCTION.
66. ALL PIPING AND FITTINGS USED ON THIS PROJECT SHALL BE AS NOTED ON THE PLANS AND IN THE CONTRACT DOCUMENT AND SHALL BE INSTALLED TO THE LINES AND GRADES SHOWN ON THE PLANS AND PROFILES.
67. ALL PIPE LENGTHS ARE PLUS OR MINUS AND MAY BE ADJUSTED IN THE FIELD AS REQUIRED. PIPE MEASUREMENTS AND STATION OFFSETS ARE TO CENTER OF STRUCTURES OR FITTINGS. REFER TO DETAIL SHEET FOR ALL REFERENCE POINTS.
68. ALL ROCKS OR STONES LARGER THAN SIX INCH DIAMETER SHALL BE REMOVED FROM THE BACKFILL MATERIAL. BACKFILL MATERIAL PLACED WITHIN ONE FOOT OF PIPING AND APPURTENANCES SHALL NOT CONTAIN ANY STONES LARGER THAN TWO INCH DIAMETER.
69. ALL PENETRATION OF EXISTING STRUCTURES SHALL BE BY THE MECHANICAL ROTARY CORE BORING METHOD.
70. ALL CONCRETE AND REBAR PENETRATED OR DISTURBED SHALL BE COATED WITH TWO COATS OF EPOXY.
71. CONTRACTOR IS RESPONSIBLE FOR ALL UNSUITABLE MATERIAL REMOVAL WITHIN PROJECT LIMITS. EXCAVATION, EMBANKMENT, INCLUDING UTILIZATION, AND UNSUITABLE MATERIAL REMOVAL SHALL BE IN ACCORDANCE WITH FDOT DESIGN STANDARDS, LATEST VERSION.
72. WHERE EXCAVATION IS REQUIRED FOR CONSTRUCTION OF SIDEWALK, ALL STUMPS, ROOTS, ETC. SHALL BE REMOVED COMPLETELY FROM THE SIDEWALK AREA. ALL STUMPS WITHIN THE PROJECT LIMITS SHALL BE REMOVED COMPLETELY AND REPLACED WITH COMPACTED BACKFILL BEFORE THE AREA IS FILLED. TREE ROOTS IN AREA OF PROPOSED SIDEWALK, RAMP, OR DRIVEWAY REPLACEMENT SHALL BE GROUND OUT TO A DEPTH OF 6" BELOW BOTTOM OF NEW SIDEWALK OR DRIVEWAY. ALL PRUNED ROOT DEBRIS SHALL BE REMOVED FROM THE SUB-BASE MATERIAL PRIOR TO POURING CONCRETE, ASPHALT, OR APPLICATION OF OTHER SPECIFIED MATERIALS. THIS WORK SHALL BE INCLUDED IN AND PAID FOR UNDER THE PAY ITEM FOR CLEARING AND GRUBBING.
73. ALL STUMPS, ROOTS, AND OTHER DEBRIS PROJECTING THROUGH OR APPEARING ON THE SURFACE OF THE GROUND SHALL BE REMOVED TO A DEPTH OF 1-FOOT BELOW THE COMPLETED SURFACE. THIS WORK SHALL BE INCLUDED IN AND PAID FOR UNDER THE PAY ITEM FOR CLEARING AND GRUBBING.
74. ALL MATERIALS NOT CLAIMED BY THE COUNTY SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY THE CONTRACTOR. THIS WORK SHALL BE INCLUDED IN AND PAID UNDER THE PAY ITEM CLEARING AND GRUBBING.

REVISIONS				CHRISTOPHER J. KNOX, P.E. P.E. LICENSE NUMBER 67350 CARDNO, INC. 380 PARK PLACE BOULEVARD, SUITE 300 CLEARWATER, FL 33759	MANATEE COUNTY		SHEET NO.  5
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	
----	----				BAYSHORE ROAD	MANATEE	

**GENERAL NOTES (2)**

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- 75. THE CONTRACTOR SHALL PROVIDE ALL SHEETING, SHORING, AND BRACING REQUIRED TO PROTECT ADJACENT STRUCTURES OR TO MINIMIZE TRENCH WIDTH. WHERE A SEPARATE PAY ITEM IS NOT PROVIDED, THE COST OF ALL SHEETING, SHORING, AND BRACING REQUIRED SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE ITEM OF WORK FOR WHICH SHEETING, SHORING, AND BRACING IS REQUIRED.
- 76. THE CONTRACTOR SHALL DISTURB NO MORE GROUND THAN WHAT IS NECESSARY FOR CONSTRUCTION. NO OPEN EXCAVATED TRENCH, OR OTHER UNSAFE CONDITION WILL BE LEFT OVERNIGHT. ALL WORK SITES WILL BE COMPLETELY RESTORED WITHIN SEVEN (7) CALENDAR DAYS OF THE CONCRETE POUR FOR SIDEWALK. THE INTENT OF THIS PROVISION IS TO "SAFE-UP" THE PROJECT SITE AS WORK PROGRESSES, AND SHALL INCLUDE REMOVING FORMS, FILLING HOLES, GRADING, AND REMOVAL OF DEBRIS.
- 77. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED IN THE PLANS, OR AS DIRECTED BY THE ENGINEER.
- 78. ANY EXISTING SIGN TO REMAIN THAT IS DISTURBED OR RELOCATED DURING CONSTRUCTION SHALL BE RESET TO CURRENT STANDARDS FOR HEIGHT, OFFSET, AND METHOD OF INSTALLATION AT NO ADDITIONAL COST TO THE COUNTY.
- 79. ALL EXISTING SWALES NOT DESIGNATED FOR RECONSTRUCTION SHALL BE REGRADED TO PROMOTE POSITIVE DRAINAGE AND MATCH PROPOSED CENTERLINE SWALE ELEVATION AND ALIGNMENT.
- 80. ALL STORM DRAINS AND STRUCTURES TO REMAIN SHALL BE CLEANED OF DEBRIS, DIRT, VEGETATION AND OTHER MATERIAL. STORM SEWER INLETS SHALL BE MODIFIED (RAISED/LOWERED) TO MATCH PROPOSED FINISHED GRADE.
- 81. ALL EXISTING FENCES DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AND REINSTALLED BY THE CONTRACTOR AT NO ADDITIONAL COST. (EXISTING FENCES WITHIN R/W TAKING LIMITS SHALL BE RECONSTRUCTED TO THE NEW R/W LINE AND ARE TO BE REIMBURSED UNDER THE MISCELLANEOUS BID ITEM).
- 82. ALL EXISTING TREES LOCATED WITHIN CONSTRUCTION LIMITS OR CLEAR ZONE SHALL REMAIN / BE REMOVED AS NOTED.
- 83. THE EXISTING STORM DRAINAGE STRUCTURES SHALL REMAIN / BE REMOVED AS NOTED.
- 84. ALL EXISTING BUILDINGS SHALL REMAIN / BE REMOVED UNLESS OTHERWISE NOTED.
- 85. REMOVE AND REPLACE BASE AND SUB-BASE ACCORDING TO FDOT STANDARDS
- 86. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, WATER AND SEWER LINES, STORM DRAINS, UTILITIES, DRIVEWAYS, SIDEWALKS, SIGNS, MAILBOXES, FENCES, TREES, LANDSCAPING, AND ANY OTHER IMPROVEMENT OR FACILITY IN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY DAMAGED ITEMS DUE TO HIS CONSTRUCTION ACTIVITIES TO EQUAL OR BETTER THAN PRE-CONSTRUCTION CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.

- A. CHARTER COMMUNICATIONS 727.329.2951 (MICHAEL DECROIX)
- B. FLORIDA POWER & LIGHT 941.704.9087 (GREG COKER)
- C. FRONTIER COMMUNICATIONS 813.875.1014 (TONI CANNON)
- D. MANATEE COUNTY UTILITIES 941.708.7450 EXT. 5081 (TONY WILLIAMS)
- E. MCI / VERIZON 469.886.4091
- F. PEACE RIVER ELECTRIC COOPERATIVE 863.781.0634 (DAVID MCCLINTOCK)
- G. FDOT 813.620.3983 EXT. 320 (KEVIN MCCAFFREY)

- 87. CONTRACTOR SHALL COORDINATE WITH RUBONIA SIDEWALK PROJECT THAT IS UNDER CONSTRUCTION.
- 88. CONSTRUCTION SHALL ONLY COMMENCE NEAR PALM VIEW ELEMENTARY WHILE SCHOOL IS NOT IN SESSION.

SIDEWALKS

- 89. SIDEWALKS SHALL MEET THE STANDARDS CONTAINED IN THE LAND DEVELOPMENT CODE, THIS SECTION AND DETAIL SHEETS 301.1 THROUGH 302.3.
- 90. SIDEWALK SHALL BE CONSTRUCTED A MINIMUM OF 4" THICK, 3000 PSI CONCRETE. WHERE SIDEWALK BISECTS A DRIVEWAY, THE MINIMUM SHALL BE 6" OF CLASS I CONCRETE REINFORCED WITH 6"x6" #10 WIRE MESH. SEE DETAIL SHEETS 101.2 AND 101.3.
- 91. A MINIMUM (5) FOOT WIDE SIDEWALK SHALL BE INSTALLED ALONG THE NORTH AND WEST SIDES OF ALL NEW LOCAL STREETS WHICH ARE CONSTRUCTED IN CONJUNCTION WITH A NEW RESIDENTIAL DEVELOPMENT. A SIDEWALK WITH A MINIMUM WIDTH OF (5) FEET SHALL BE INSTALLED ON BOTH SIDES OF ALL THOROUGHFARES. REFER TO FDOT ROADWAY DESIGN STANDARDS, LATEST REVISION, FOR CURB CUT RAMP SPECIFICATIONS.
- 92. THE CONCRETE SHALL BE GIVEN A BROOM FINISH. THE SURFACE VARIATIONS SHALL NOT BE MORE THAN 1/4" UNDER A TEN FOOT STRAIGHTEDGE, NOR MORE THAN 1/4" ON A FIVE-FOOT TRAVERSE SECTION. THE EDGE OF THE SIDEWALK SHALL BE CAREFULLY FINISHED WITH AN EDGING TOOL HAVING A RADIUS OF 1/2".

- 93. EXPANSION JOINT: EXPANSION JOINTS BETWEEN THE SIDEWALKS AND THE CURB OR DRIVEWAY OR AT FIXED OBJECTS AND SIDEWALK INTERSECTIONS SHALL BE 1 /2" MATERIAL SHALL MEET THE REQUIREMENTS OF ASHTO M153 OR ASHTO M213. FOR LONG POURING, AN EXPANSION JOINT SHALL BE PLACED AT INTERVALS NOT TO EXCEED 120'.
- 94. CONTRACTION JOINTS:
  - 1. OPEN TYPE JOINTS. OPEN TYPE CONTRACTION JOINTS SHALL BE FORMED BY STAKING A METAL BULKHEAD IN PLACE AND DEPOSITING THE CONCRETE ON BOTH SIDES. AFTER THE CONCRETE HAS SET SUFFICIENTLY TO PRESERVE THE WIDTH AND THE SHAPE OF THE JOINT, THE BULKHEAD SHALL BE REMOVED. AFTER THE SIDEWALK HAS BEEN FINISHED OVER THE JOINT, THE SLOT SHALL BE FINISHED WITH A TOOL HAVING A 1 /2" RADIUS.
  - 2. SAWED JOINTS. A SLOT APPROXIMATELY 3/16" WIDE AND NOT LESS THAN 1" DEEP AT 1 0' CENTERS SHALL BE CUT WITH A CONCRETE SAW AFTER THE CONCRETE HAS SET.
- 95. SIDEWALKS ALONG OTHER STREETS SHALL BE CONSTRUCTED AND DEDICATED AS REQUIRED BY THE APPROVING AUTHORITY WHEN NECESSARY TO CONTINUE AN EXISTING OR PROPOSED SIDEWALK.
- 96. HANDICAP RAMPS SHALL MEET ADA STANDARDS, AND DETAIL SHEETS 302.1, 302.2 AND 302.3.
- 97. ALL SIDEWALKS IN RIGHT-OF-WAY WITHIN 10' OF AN EXISTING OR PROPOSED TREE THAT WILL EXCEED 6" IN DIAMETER AT MATURITY SHALL BE 5" THICK AND CONTAIN 2-#3 REBAR, 20' LONG, CENTERED VERTICALLY AND SPACED 3' ON CENTER. PALMS ARE NOT CONSIDERED TREES.
- 98. DROP OFF HAZARDS SHALL BE PROTECTED PER FDOT PLAN PREPARATION MANUAL, LATEST EDITION. SLOPE SHALL NOT START CLOSER THAN 6" TO THE SIDEWALK.
- 99. FOR COMPLETE SIDEWALK DETAILS. SEE FDOT ROADWAY DESIGN STANDARDS, LATEST REVISION. INDEX 304. SHEETS 1 THROUGH 7 AND INDEX 310. SHEETS 1 & 2.

REVISIONS				CHRISTOPHER J. KNOX, P.E. P.E. LICENSE NUMBER 67350 CARDNO, INC. 380 PARK PLACE BOULEVARD, SUITE 300 CLEARWATER, FL 33759	MANATEE COUNTY		GENERAL NOTES (3)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY		6
---	---				BAYSHORE ROAD	MANATEE		

NOTES:

1. ALL FILL MATERIAL REQUIRED TO BE INCLUDED IN THE COST OF THE CONCRETE SIDEWALK (PAY ITEM NO. 0522-1).
2. TEMPORARY ACCESS COSTS TO BE INCLUDED IN THE COST OF MAINTENANCE OF TRAFFIC (PAY ITEM NO. 102-1).

ITEM	COUNTY PAY ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY
1	101-1	Mobilization (10%)	LS	1
2	102-1	Maintenance of Traffic (10%)	LS	1
3	102-71-15	Temporary Barrier, F&I, Anchored	LF	182
4	102-89-1	Temporary Crash Cushion, Redirective Option	LO	2
5	0104-10-3	Sediment Barrier	LF	740
6	0104-18	Inlet Protection System	EA	7
7	0110-1-1	Clearing and Grubbing	LS	1
8	0110-4-10	Removal of Existing Concrete	SY	190
9	0120-1	Regular Excavation	CY	425
10	0120-6	Embankment	CY	755
11	0327-70-05	Milling Exist Asph Pavt, 1-1/2" Avg Depth	SY	740
12	0334-1-12	Superpave Asphaltic Concrete, Traffic B (SP 9.5) (1-1/2")	TN	61.0
13	0400-0-11	Concrete Gravity Wall	CY	42.0
14	0425-6	Valve Boxes, Adjust	EA	7
15	0430-175-118	Pipe Culvert, Optional Material, Round, 18" S/CD	LF	33
16	0430-175-136	Pipe Culvert, Optional Material, Round, 36" S/CD	LF	49
17	0430-518-100	Straight Concrete Endwalls, 18", Single, 0 Degrees, Round	EA	2
18	0430-984-138	Mitered End Section, Round, 36" SD	EA	2
19	0515-1-1	Pipe Handrail - Guiderail	LF	290
20	0515-4-1	Bullet Rail, Single Rail	LF	135
21	0521-5-13	Concrete Traffic Railing - Bridge, 36" Single-slope	LF	135
22	0522-1	Concrete Sidewalk, 4" Thick	SY	2,156
23	0522-2	Concrete Driveways, 6" Thick	SY	471
24	0527-2	Detectable Warnings	SF	275
25	0536-1-0	Guardrail - Roadway, General/Low Speed TL-2	LF	120
26	0536-73	Guardrail Removal	LF	140
27	0536-85-20	Guardrail End Treatment - Trailing Anchor	EA	1
28	0536-85-24	Guardrail End Treatment - Parallel Approach Terminal	EA	1
29	0570-1-2	Performance Turf, Sod	SY	5500
29	654-2-21	Midblock Crosswalk: RRFB, F&I-Solar, Complete Sign Assy - Single Direction	AS	2
31	0700-1-11	Single Post Sign, F&I Ground Mount, Up to 12 SF	AS	20
32	0700-1-12	Single Post Sign, F&I Ground Mount, 12-20 SF	AS	1
33	0700-1-60	Single Post Sign, Remove	AS	17
34	0700-3-101	Sign Panel, Furnish and Install Ground Mount, up to 12 SF	EA	10
34	700-11-500	Electronic Display Sign, Relocate	AS	2
35	700-36-01	Sign Panel, Remove, Up to 12 SF	EA	5
37	0711-14-123	Thermoplastic, Preformed, White, Solid, 12"	LF	1491
38	0711-14-125	Thermoplastic, Preformed, White, Solid, 24" (Crosswalk/Stop Bar)	LF	663
39	0711-14-160	Thermoplastic, Preformed, White, Message, (School)	EA	5
40	0711-16-101	Thermoplastic, Standard-Other Surfaces, White, Solid, 6"	GM	0.134
41	0711-16-201	Thermoplastic, Standard-Other Surfaces, Yellow, Solid, 6"	GM	0.134
42	0711-17-1	Thermoplastic, Remove Existing Thermoplastic Markings- Surface to Remain	SF	500

REVISIONS			
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380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

<b>SUMMARY OF QUANTITIES</b>	SHEET NO.  7
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REVISIONS			
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MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**PLAN LAYOUT**




SHEET NO.
8

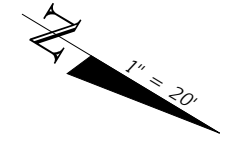
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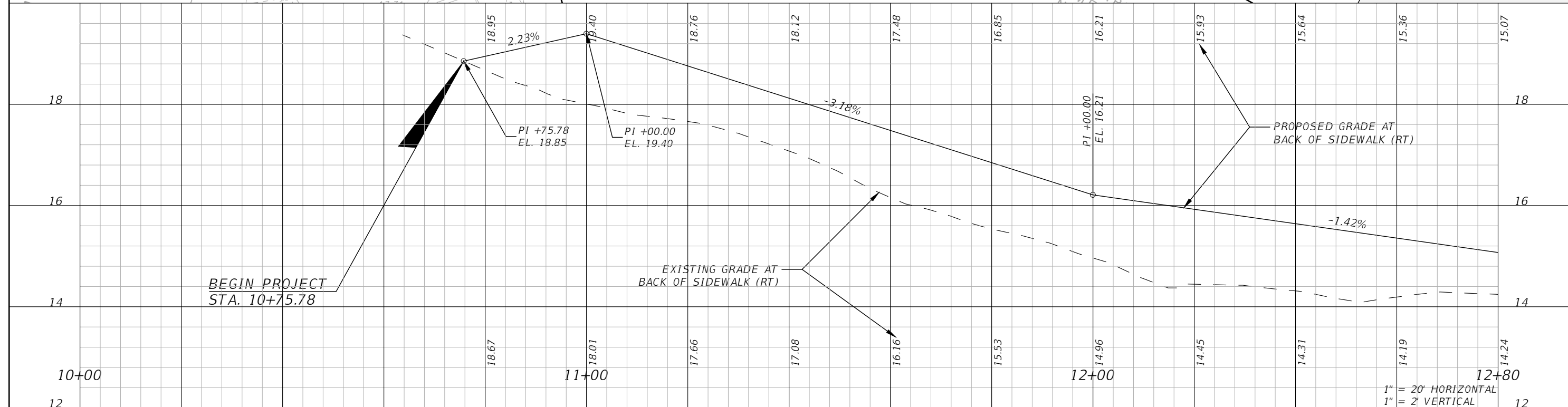
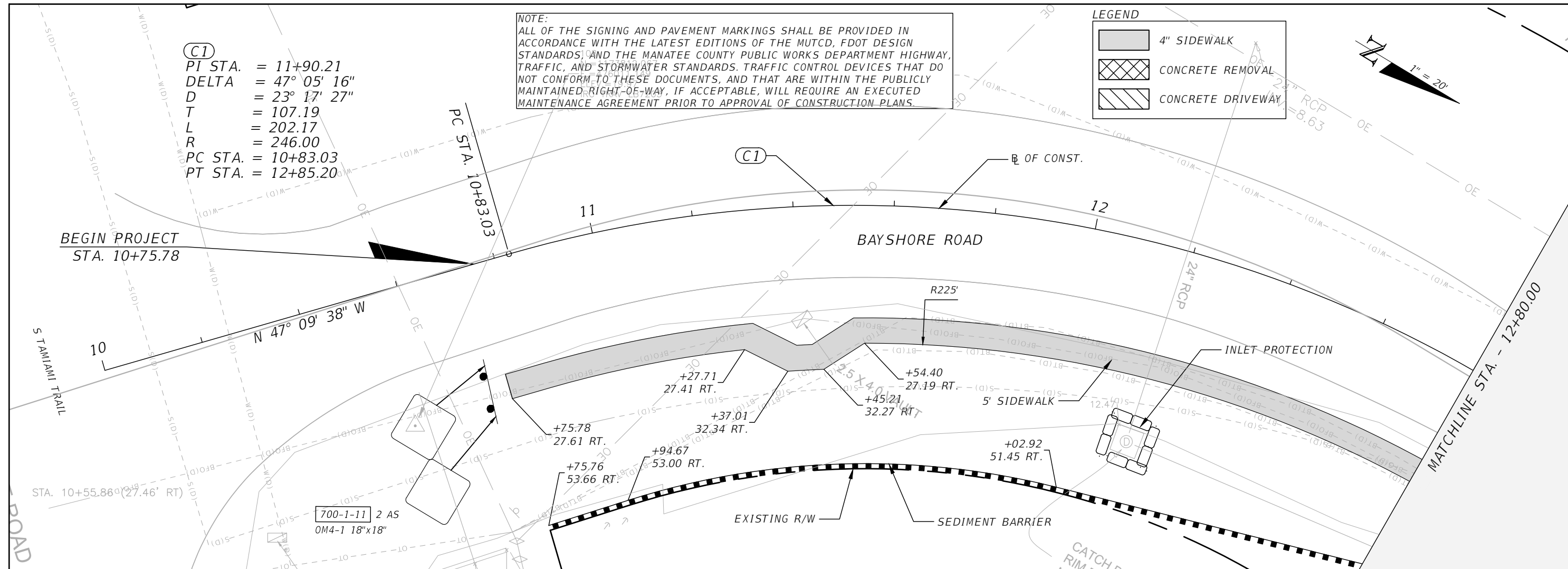
NOTE:  
 ALL OF THE SIGNING AND PAVEMENT MARKINGS SHALL BE PROVIDED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MUTCD, FDOT DESIGN STANDARDS, AND THE MANATEE COUNTY PUBLIC WORKS DEPARTMENT HIGHWAY, TRAFFIC, AND STORMWATER STANDARDS. TRAFFIC CONTROL DEVICES THAT DO NOT CONFORM TO THESE DOCUMENTS, AND 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



(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



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
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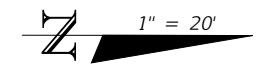
SHEET NO.  
 9

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(C1)  
 PI STA. = 11+90.21  
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 T = 107.19  
 L = 202.17  
 R = 246.00  
 PC STA. = 10+83.03  
 PT STA. = 12+85.20

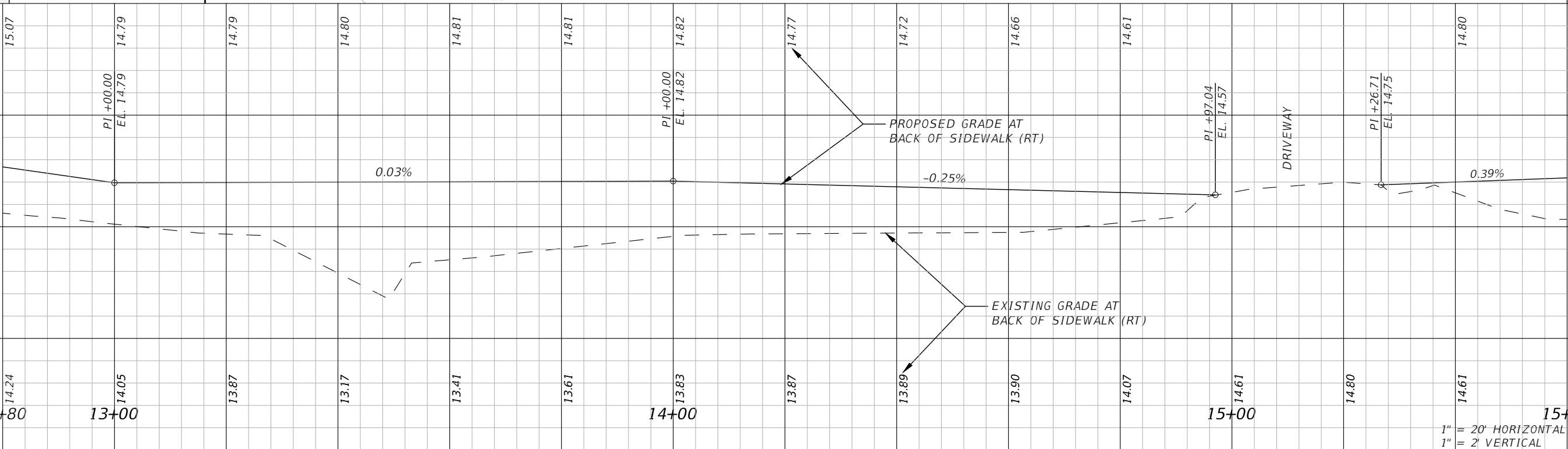
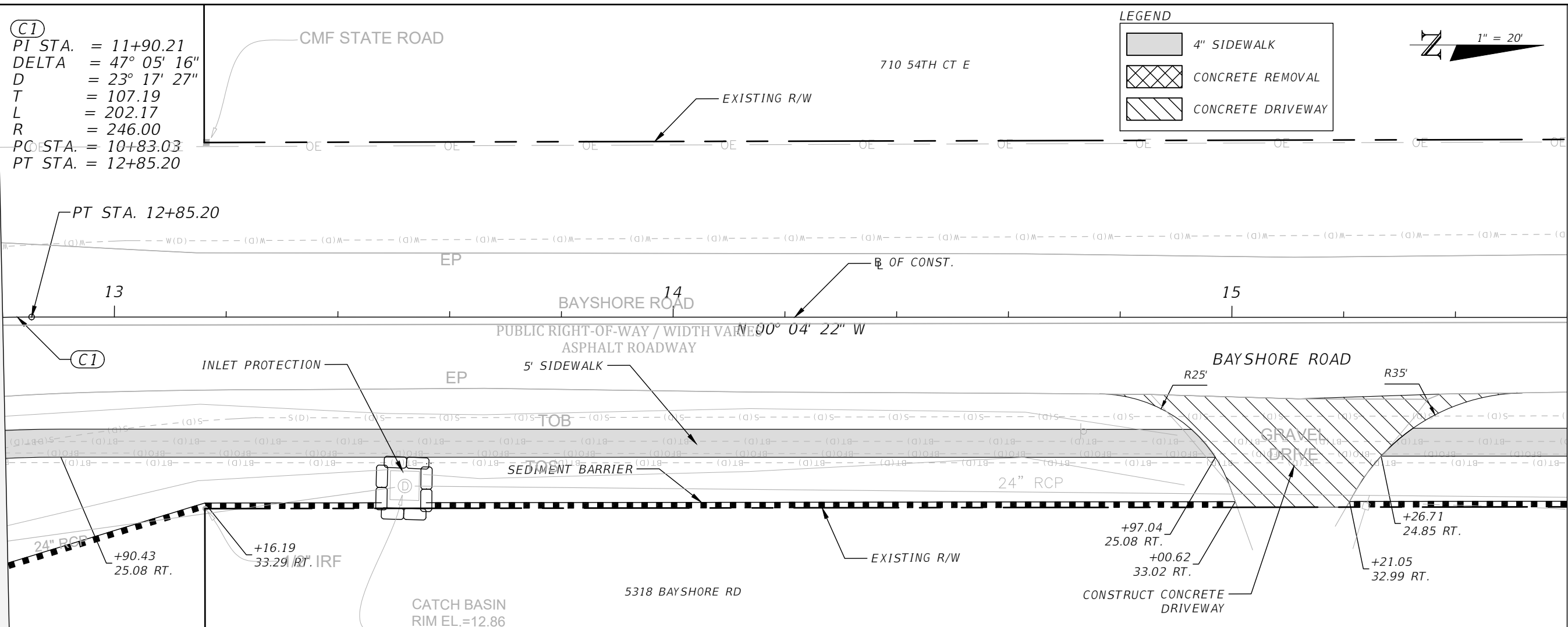
LEGEND

-  4" SIDEWALK
-  CONCRETE REMOVAL
-  CONCRETE DRIVEWAY



MATCHLINE STA. - 12+80.00

MATCHLINE STA. - 15+60.00



1" = 20' HORIZONTAL  
 1" = 2' VERTICAL

REVISIONS			
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 CARDNO, INC.  
 380 PARK PLACE BOULEVARD, SUITE 300  
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MANATEE COUNTY	
ROAD NO.	COUNTY
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
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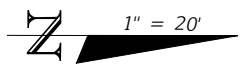
SHEET NO.  
10

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N.=1174392.704  
E.=475878.076  
ELEV.=15.03  
IRC TRAV LB7203  
710 54TH CT E

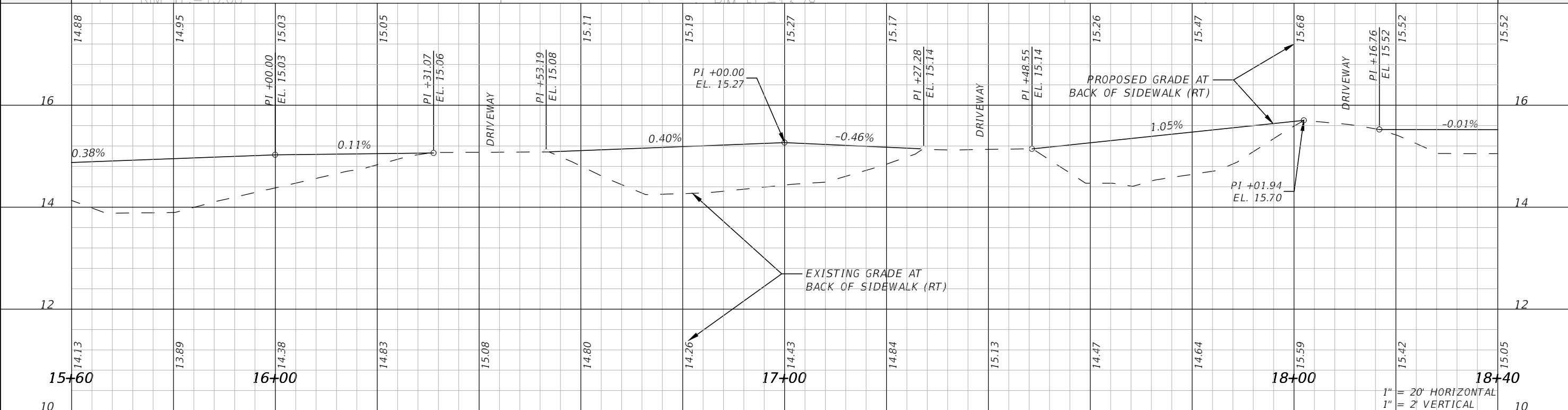
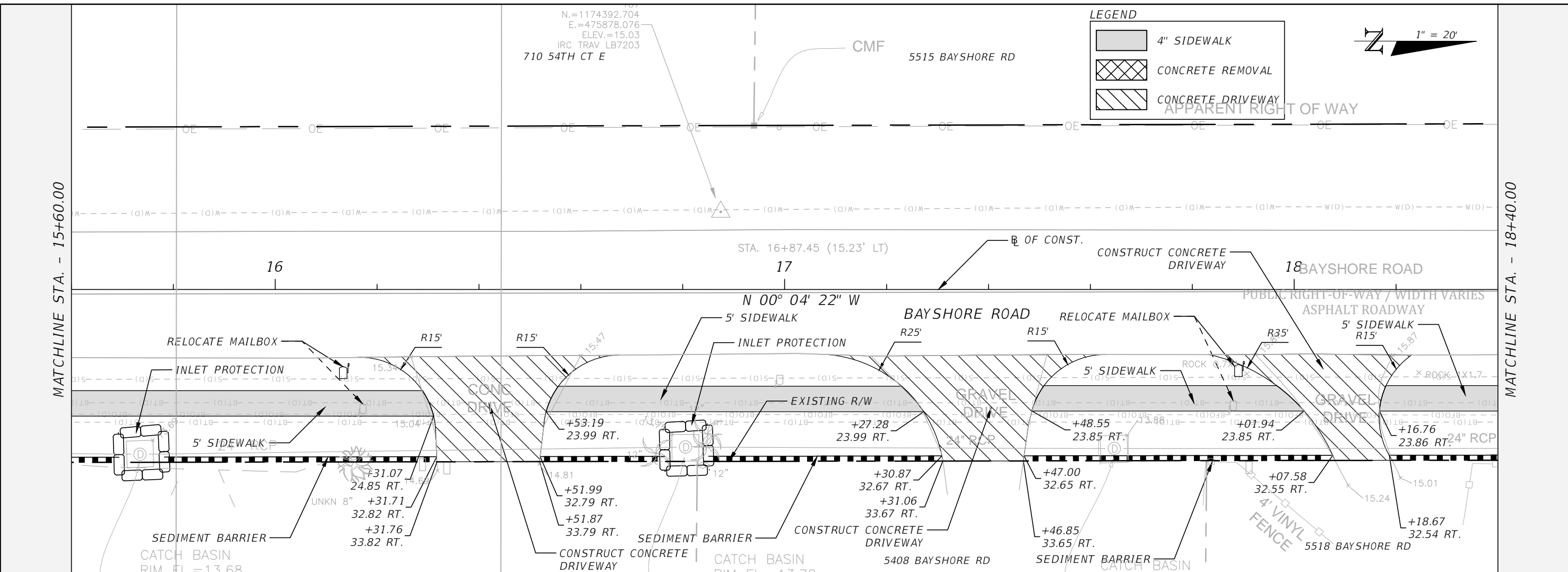
LEGEND

-  4" SIDEWALK
-  CONCRETE REMOVAL
-  CONCRETE DRIVEWAY



MATCHLINE STA. - 15+60.00

MATCHLINE STA. - 18+40.00



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

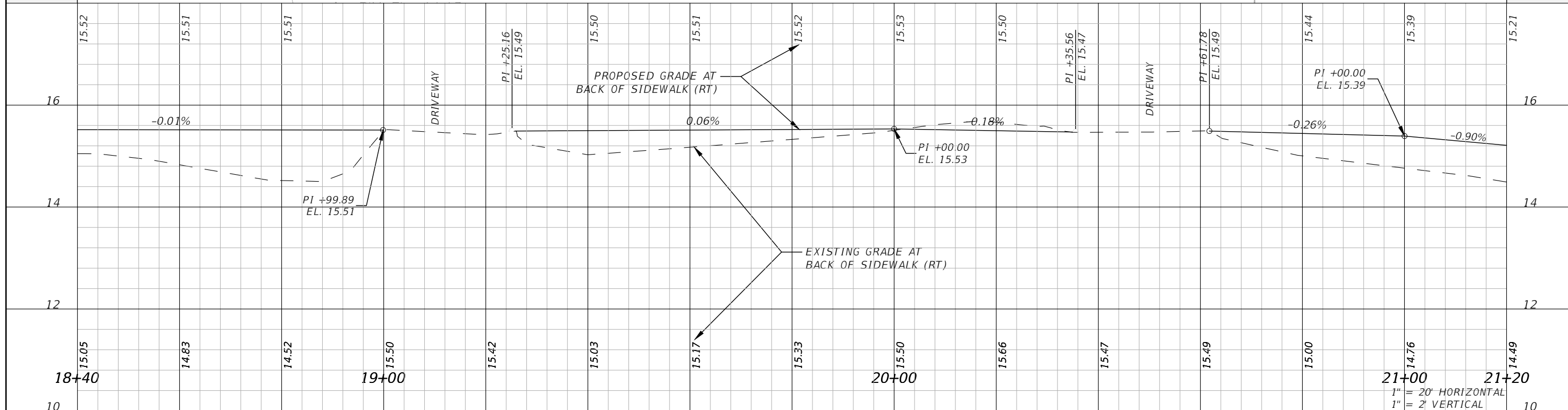
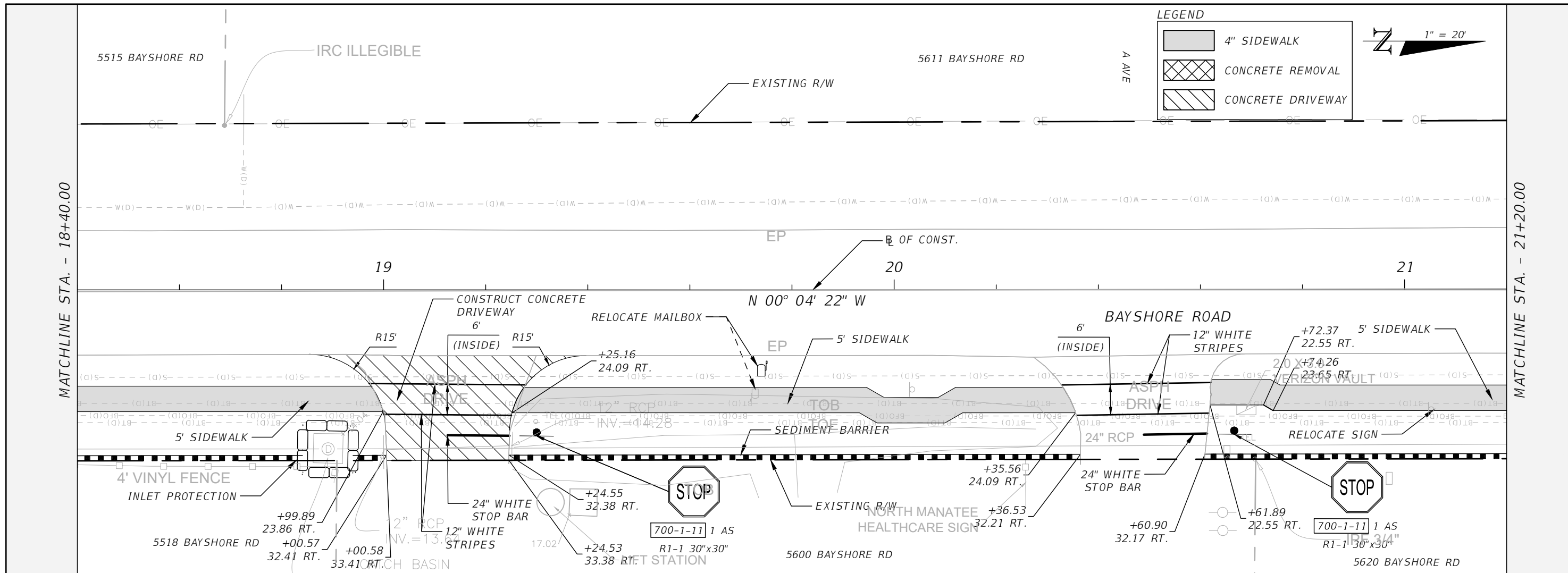
CHRISTOPHER J. KNOX, P.E.  
P.E. LICENSE NUMBER 67350  
CARDNO, INC.  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**PLAN AND PROFILE (3)**

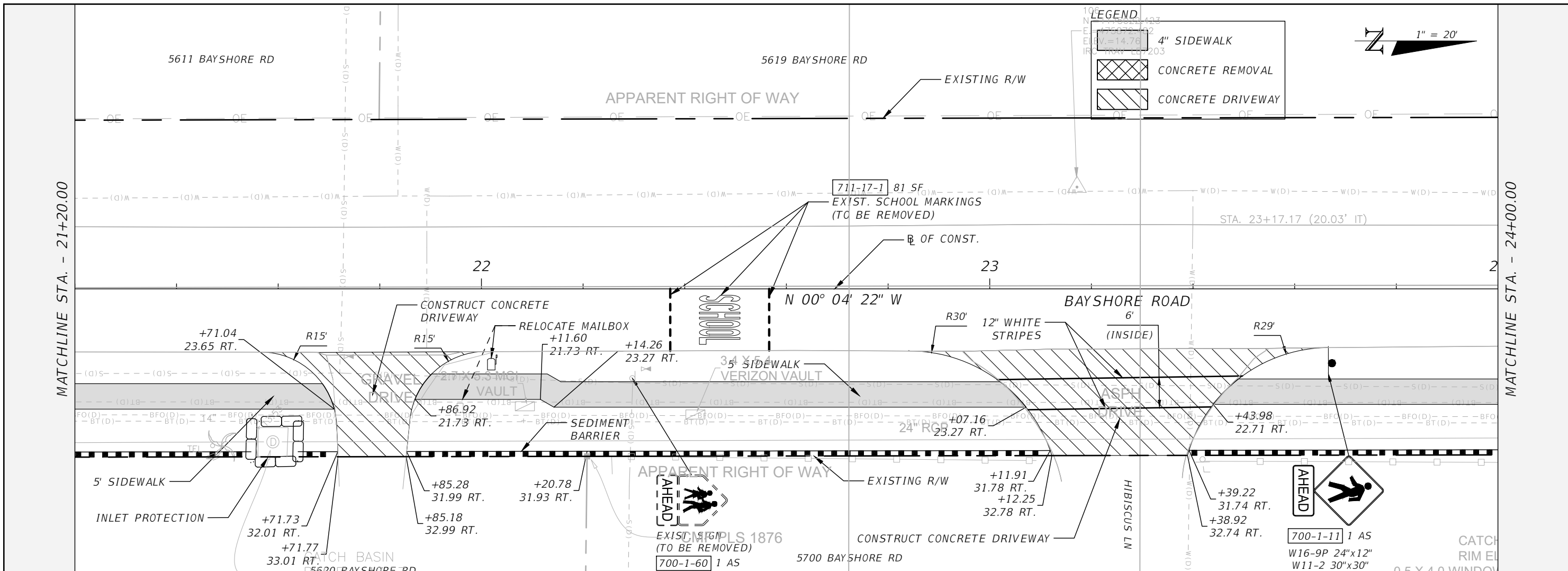
SHEET NO.
11

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



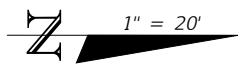
REVISIONS				CHRISTOPHER J. KNOX, P.E. P.E. LICENSE NUMBER 67350 CARDNO, INC. 380 PARK PLACE BOULEVARD, SUITE 300 CLEARWATER, FL 33759	MANATEE COUNTY		PLAN AND PROFILE (4)	SHEET NO. 12
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY		
				BAYSHORE ROAD	MANATEE			

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



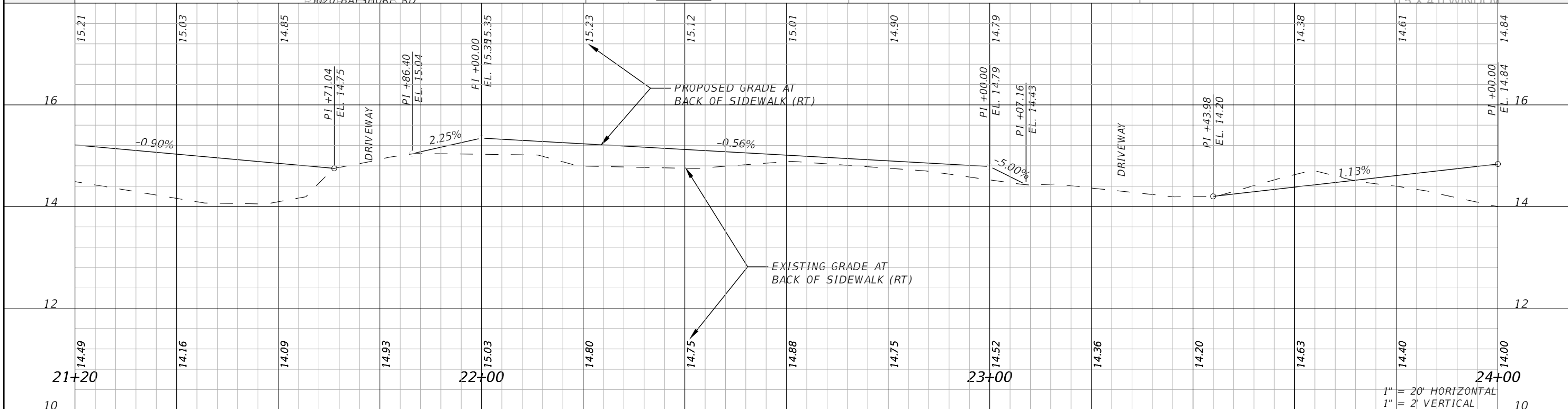
**LEGEND**

- 4" SIDEWALK
- CONCRETE REMOVAL
- CONCRETE DRIVEWAY



MATCHLINE STA. - 21+20.00

MATCHLINE STA. - 24+00.00



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

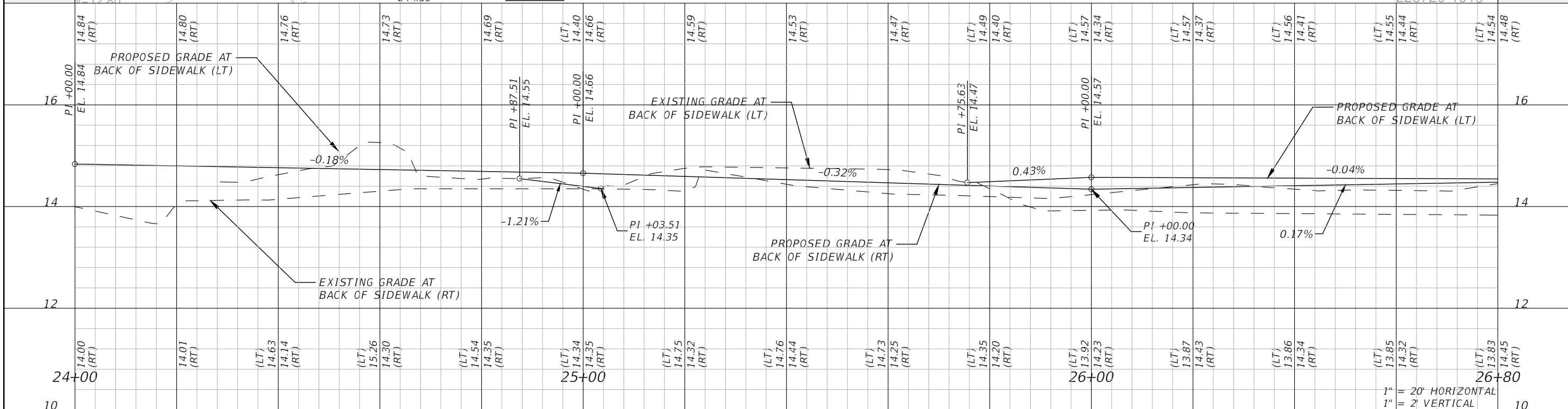
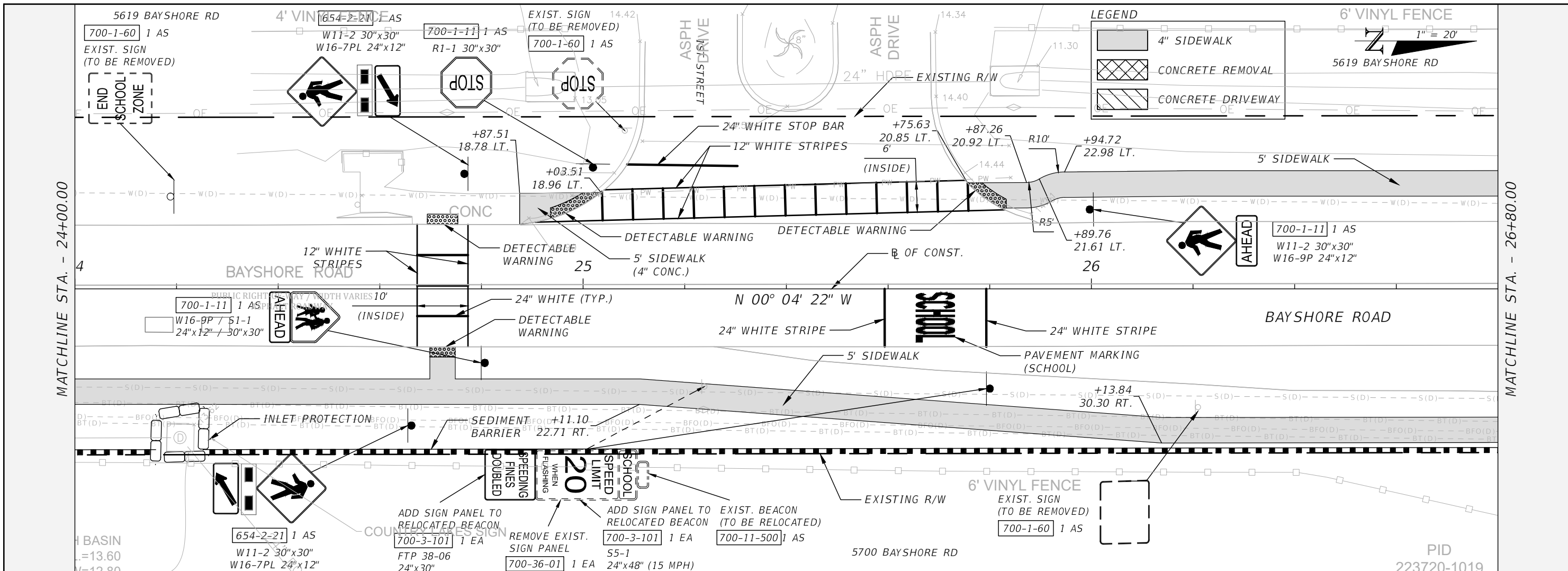
CHRISTOPHER J. KNOX, P.E.  
P.E. LICENSE NUMBER 67350  
CARDNO, INC.  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**PLAN AND PROFILE (5)**

SHEET NO.  
13

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



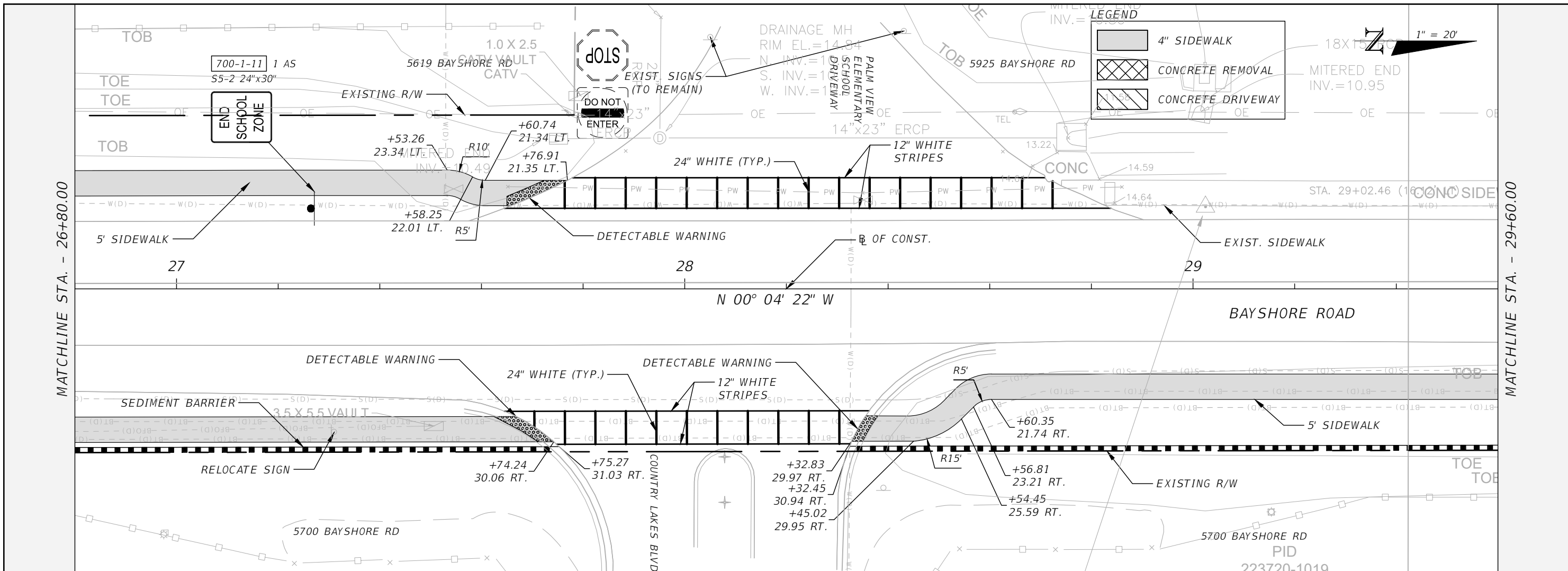
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

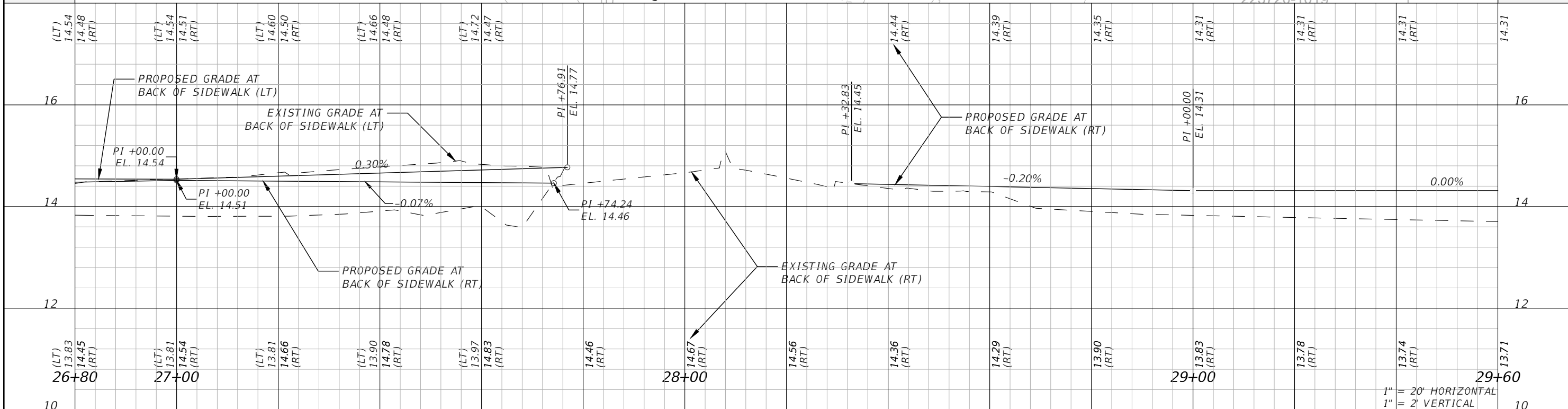
PLAN AND PROFILE (6)		SHEET NO.
		14

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**LEGEND**

- 4" SIDEWALK
- CONCRETE REMOVAL
- CONCRETE DRIVEWAY



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

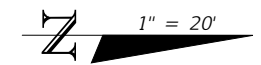
**PLAN AND PROFILE (7)**

SHEET NO.  
15

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

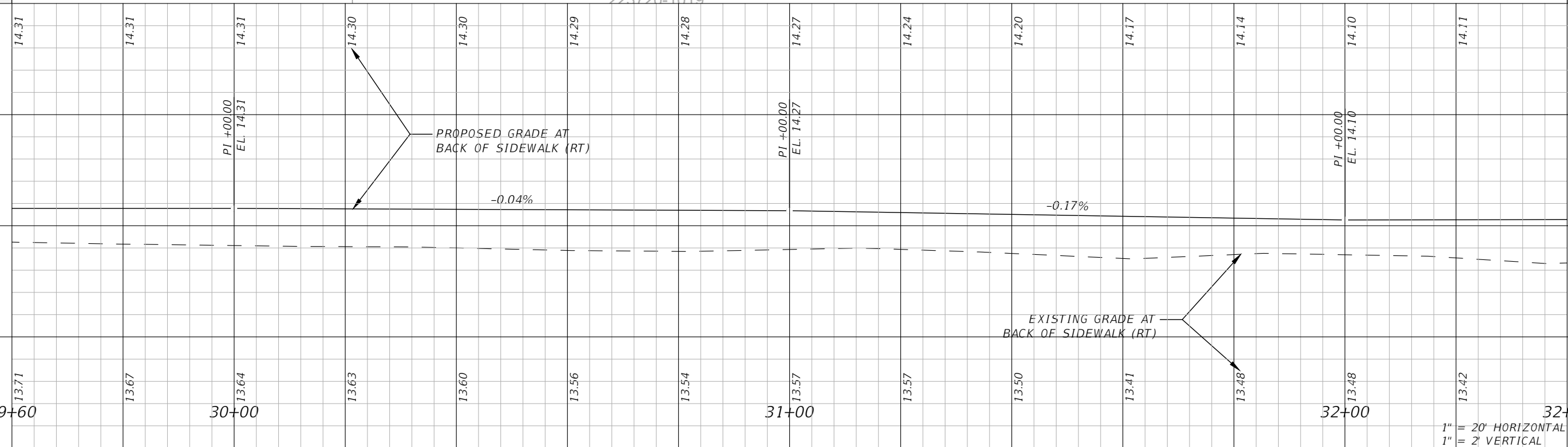
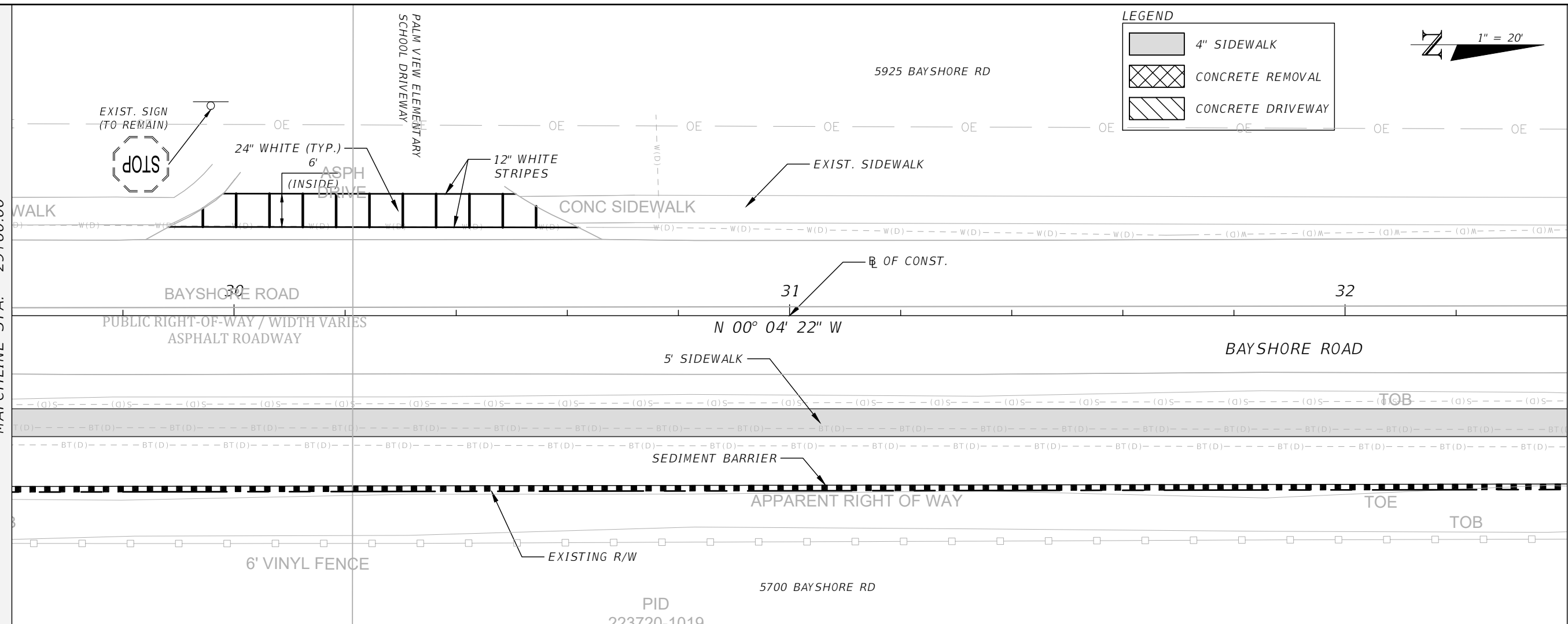
**LEGEND**

-  4" SIDEWALK
-  CONCRETE REMOVAL
-  CONCRETE DRIVEWAY



MATCHLINE STA. - 29+60.00

MATCHLINE STA. - 32+40.00



1" = 20' HORIZONTAL  
1" = 2' 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

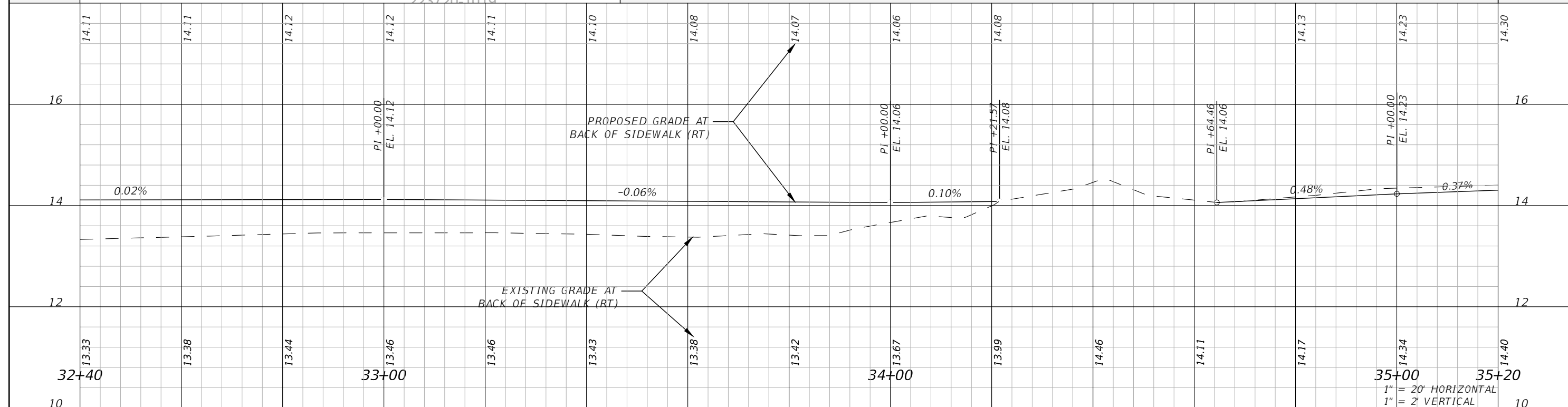
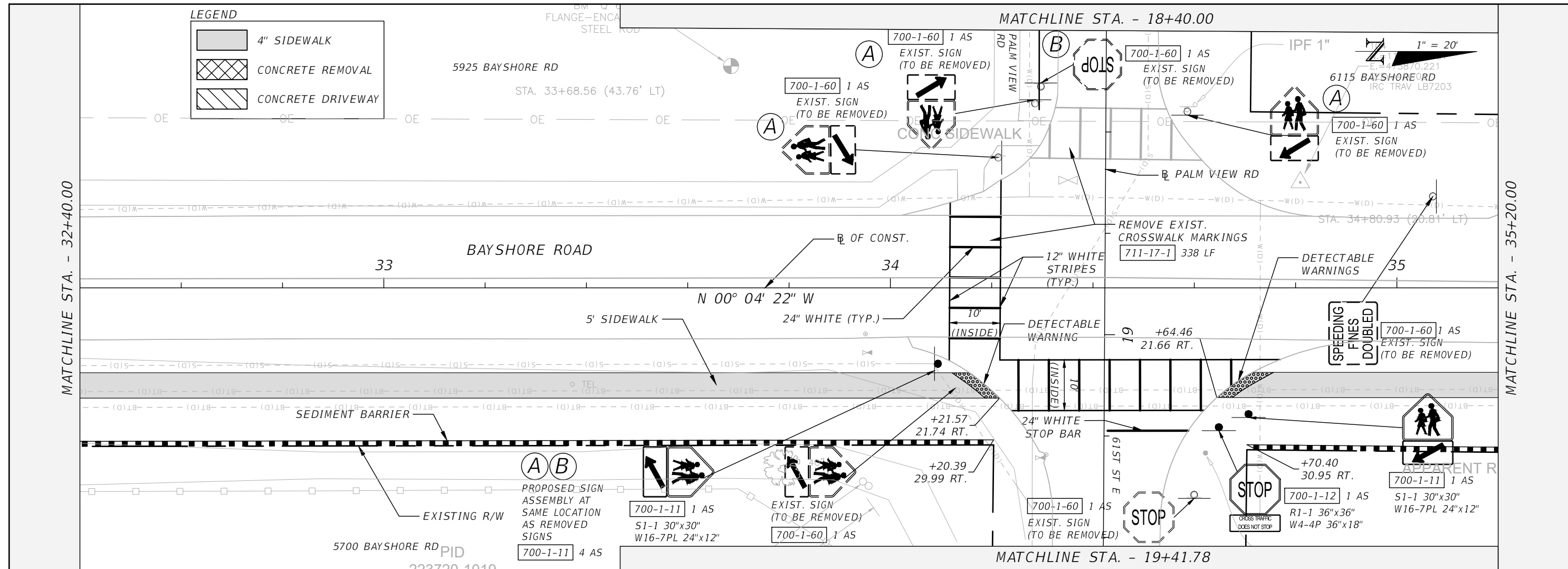
MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**PLAN AND PROFILE (8)**

SHEET NO. 16

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





REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

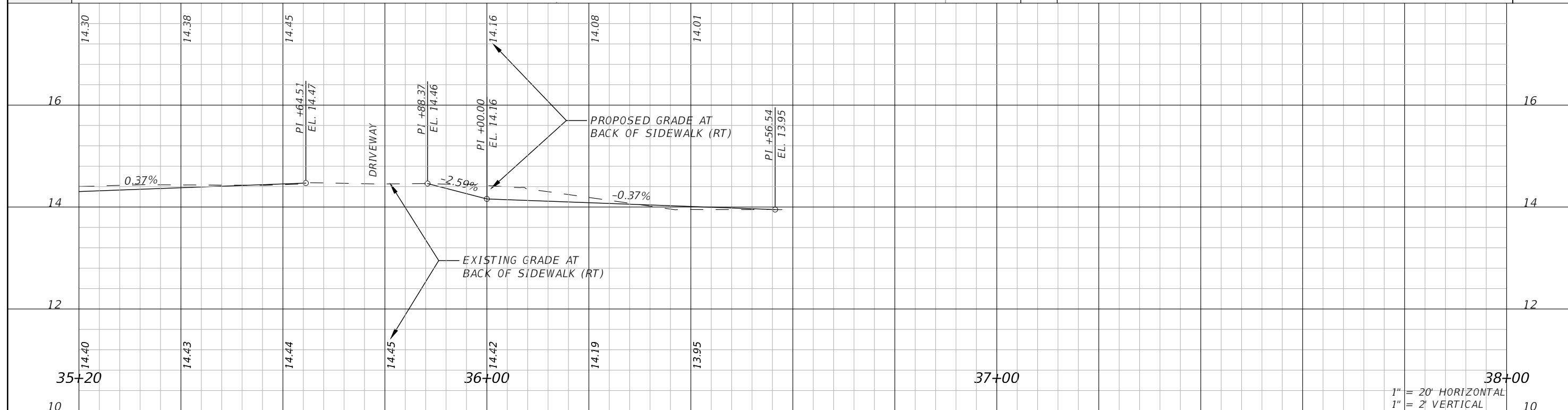
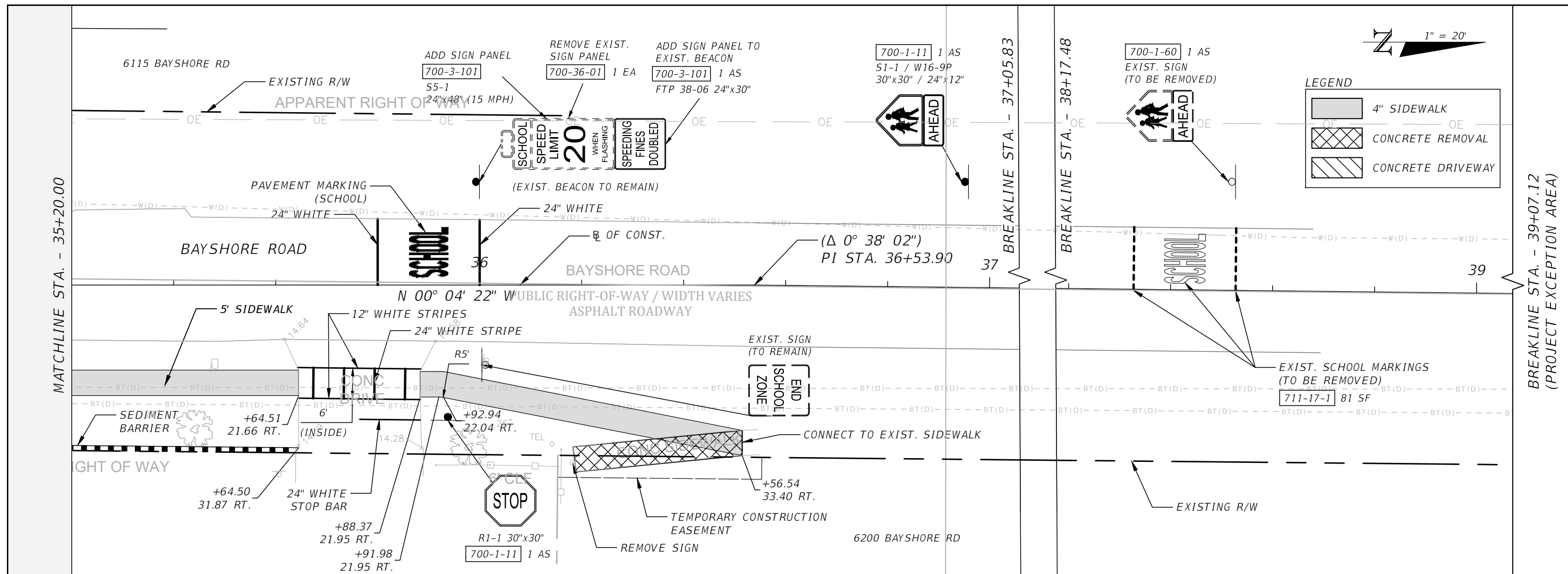
CHRISTOPHER J. KNOX, P.E.  
 P.E. LICENSE NUMBER 67350  
 CARDNO, INC.  
 380 PARK PLACE BOULEVARD, SUITE 300  
 CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**PLAN AND PROFILE (9)**

SHEET NO.  
17

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 (10)**

SHEET NO. 18

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

NOTE:  
FRONTIER/VERIZON WILL ADJUST UTILITIES  
AFTER THE LOCATIONS OF THE GUARDRAIL AND  
SIDEWALK ARE STAKED IN THE FIELD BY THE  
CONTRACTOR.

PID  
S-1  
2115  
STA 57+51.18 (33.28 RT.)  
CONST. MES (1:4)  
INDEX NO. 430-022  
FL 0.59

S-2  
STA 58+00.00 (37.04 RT.)  
CONST. MES (1:4)  
INDEX NO. 430-022  
FL 0.29

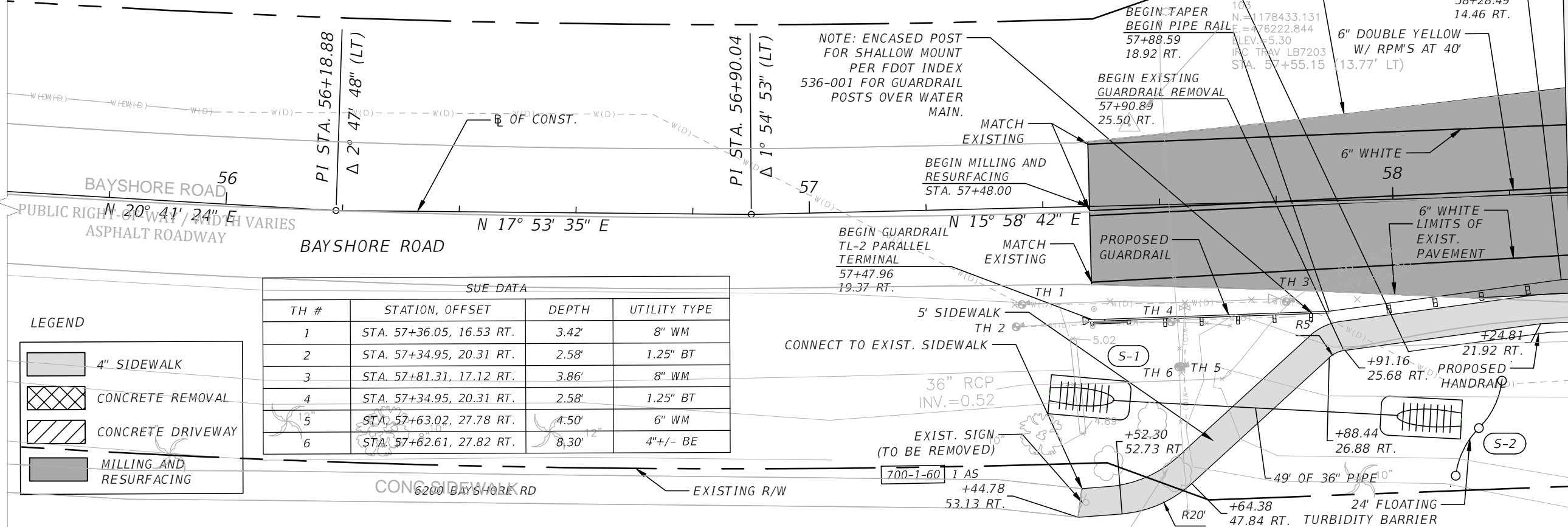
6705 BAYSHORE RD

6655 BAYSHORE RD

1" = 20'

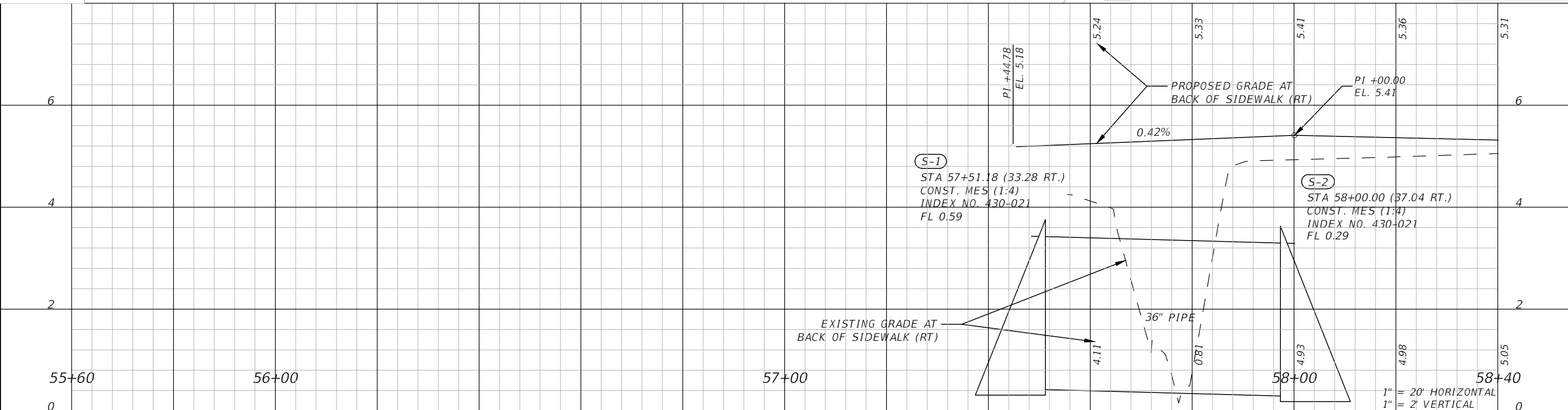
BREAKLINE STA. - 55+62.40  
(PROJECT EXCEPTION AREA)

MATCHLINE STA. - 58+30.00



SUE DATA			
TH #	STATION, OFFSET	DEPTH	UTILITY TYPE
1	STA. 57+36.05, 16.53 RT.	3.42'	8" WM
2	STA. 57+34.95, 20.31 RT.	2.58'	1.25" BT
3	STA. 57+81.31, 17.12 RT.	3.86'	8" WM
4	STA. 57+34.95, 20.31 RT.	2.58'	1.25" BT
5	STA. 57+63.02, 27.78 RT.	4.50'	6" WM
6	STA. 57+62.61, 27.82 RT.	8.30'	4"+/- BE

LEGEND	
	4" SIDEWALK
	CONCRETE REMOVAL
	CONCRETE DRIVEWAY
	MILLING AND RESURFACING



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

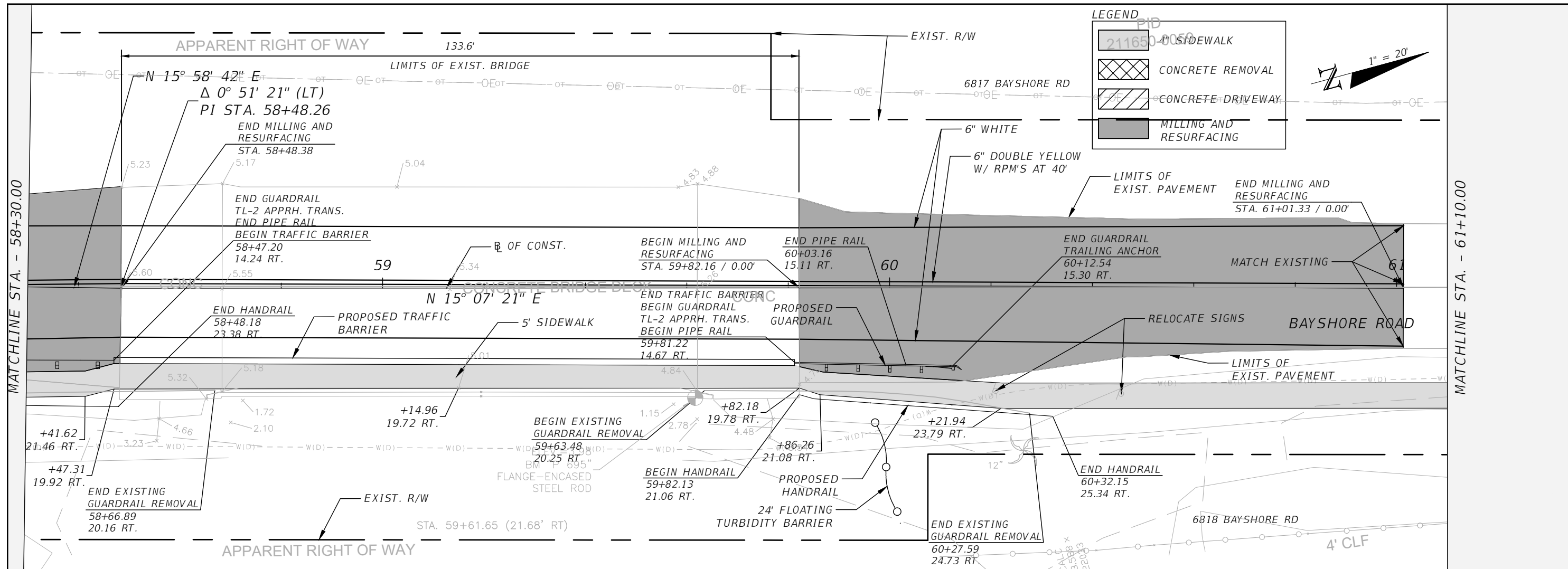
CHRISTOPHER J. KNOX, P.E.  
P.E. LICENSE NUMBER 67350  
CARDNO, INC.  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759

MANATEE COUNTY  
ROAD NO. BAYSHORE ROAD  
COUNTY MANATEE

PLAN AND PROFILE (11)

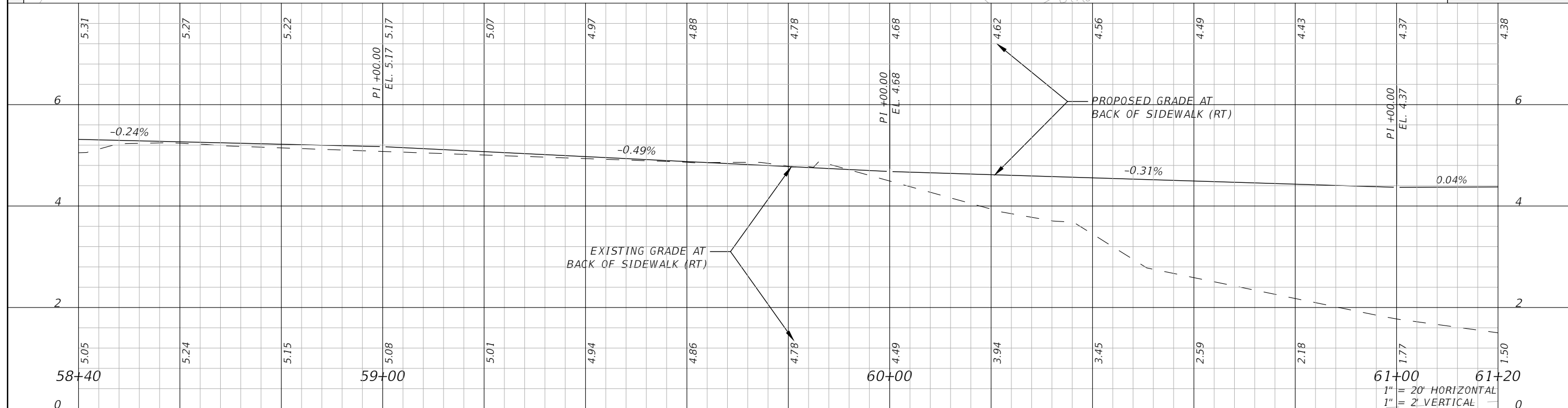
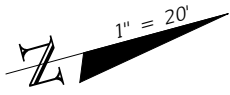
SHEET NO. 19

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



**LEGEND**

- 211650-0050 SIDEWALK
- CONCRETE REMOVAL
- CONCRETE DRIVEWAY
- MILLING AND RESURFACING



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

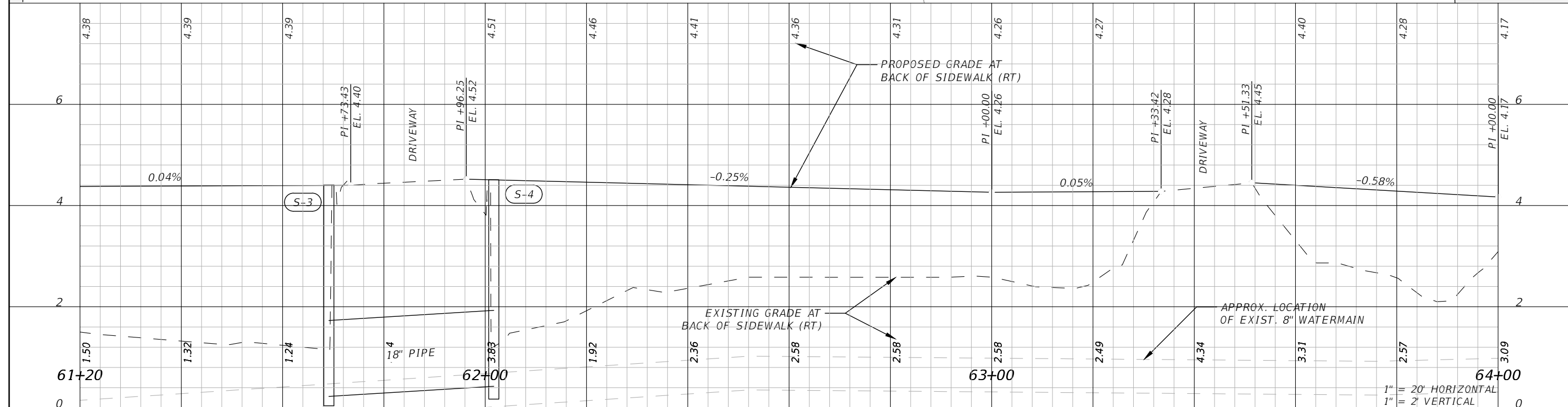
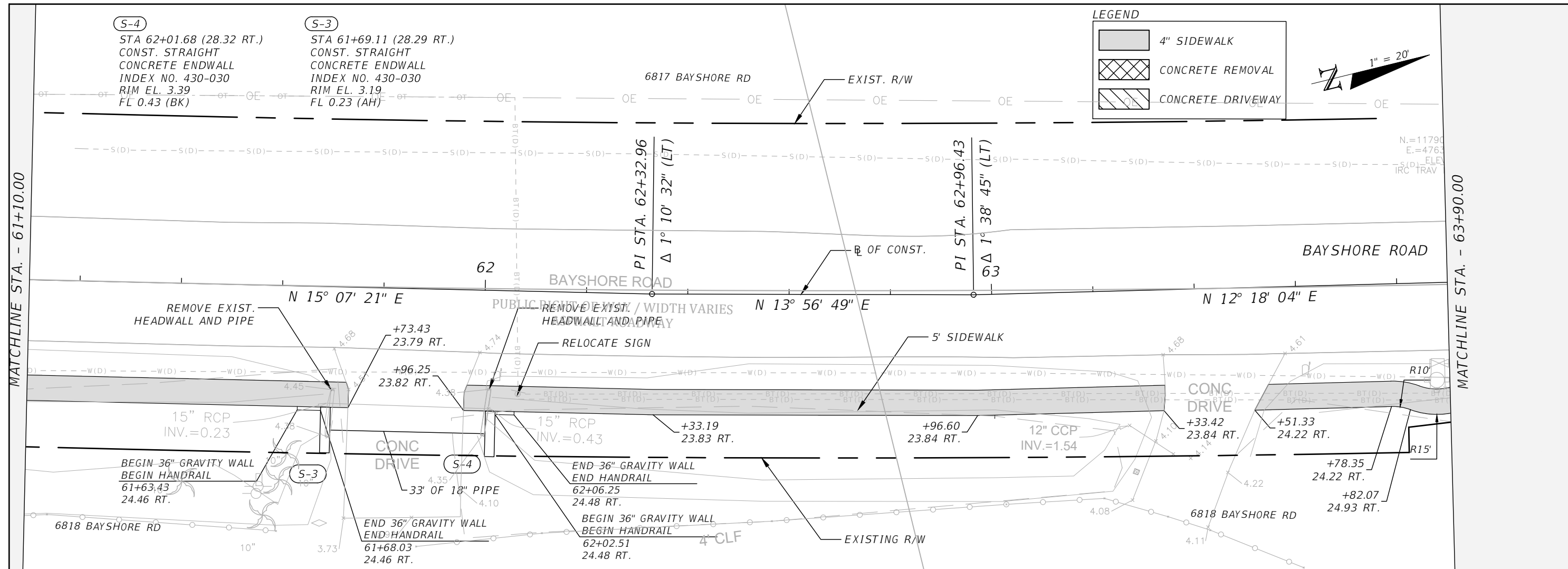
CHRISTOPHER J. KNOX, P.E.  
 P.E. LICENSE NUMBER 67350  
 CARDNO, INC.  
 380 PARK PLACE BOULEVARD, SUITE 300  
 CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**PLAN AND PROFILE (12)**

SHEET NO.  
20

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

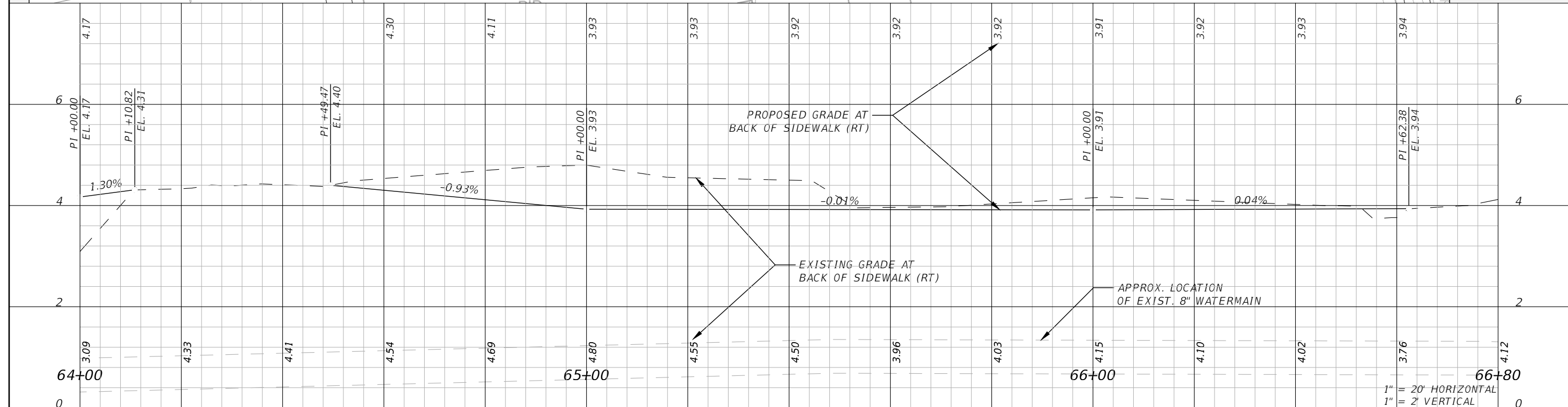
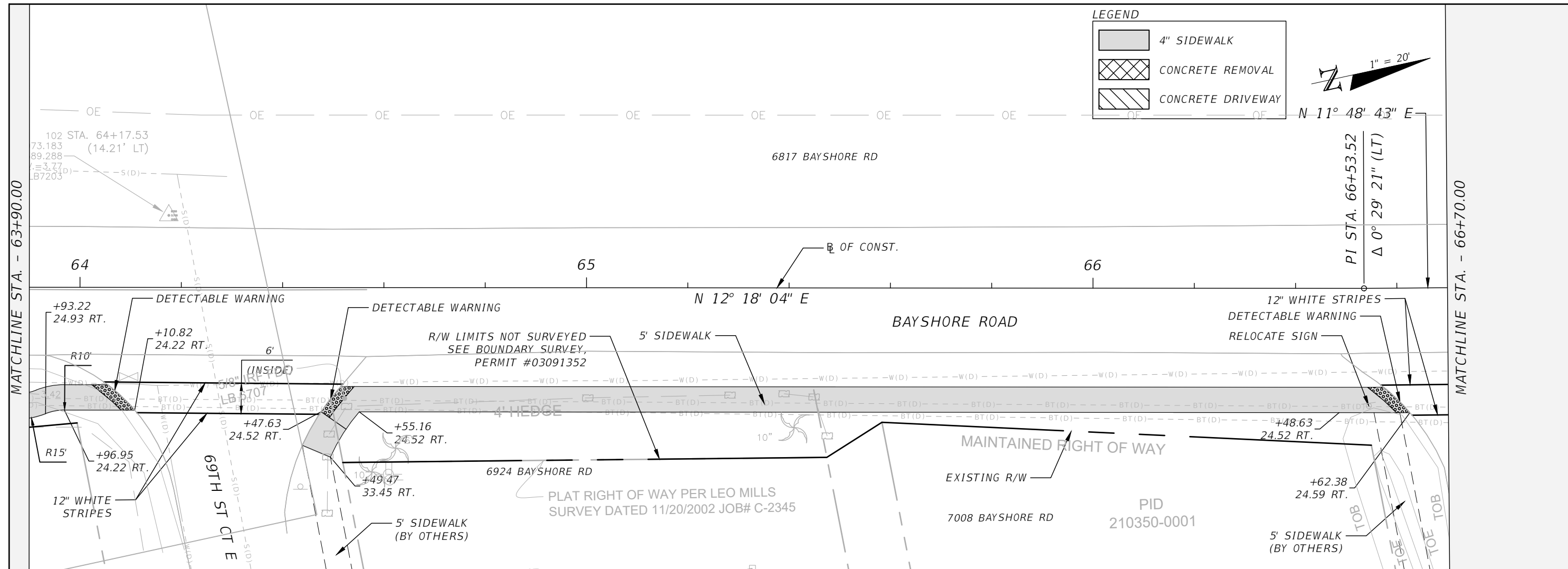
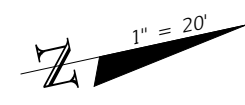
PLAN AND PROFILE (13)

SHEET NO. 21

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

**LEGEND**

-  4" SIDEWALK
-  CONCRETE REMOVAL
-  CONCRETE DRIVEWAY



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

**PLAN AND PROFILE (14)**

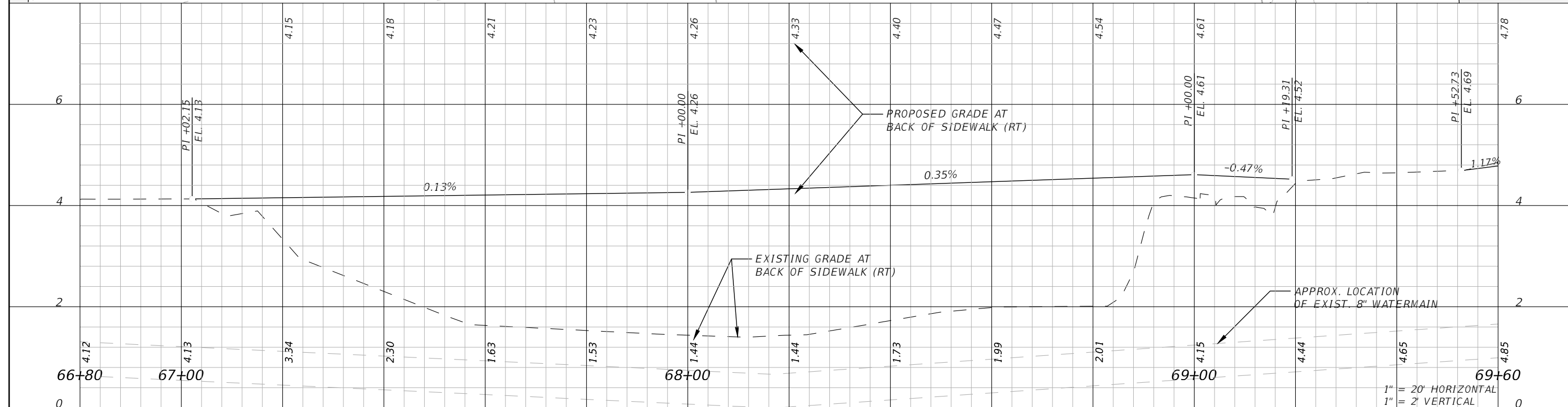
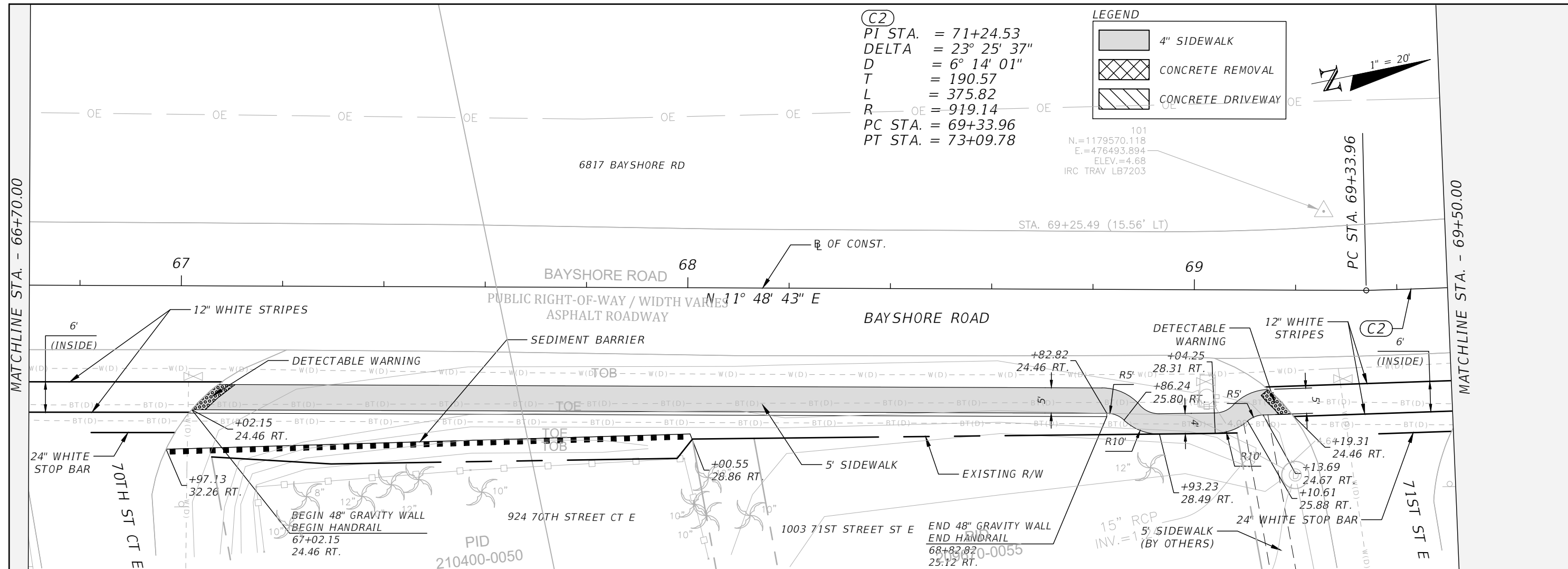
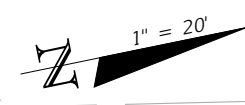
SHEET NO.  
22

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

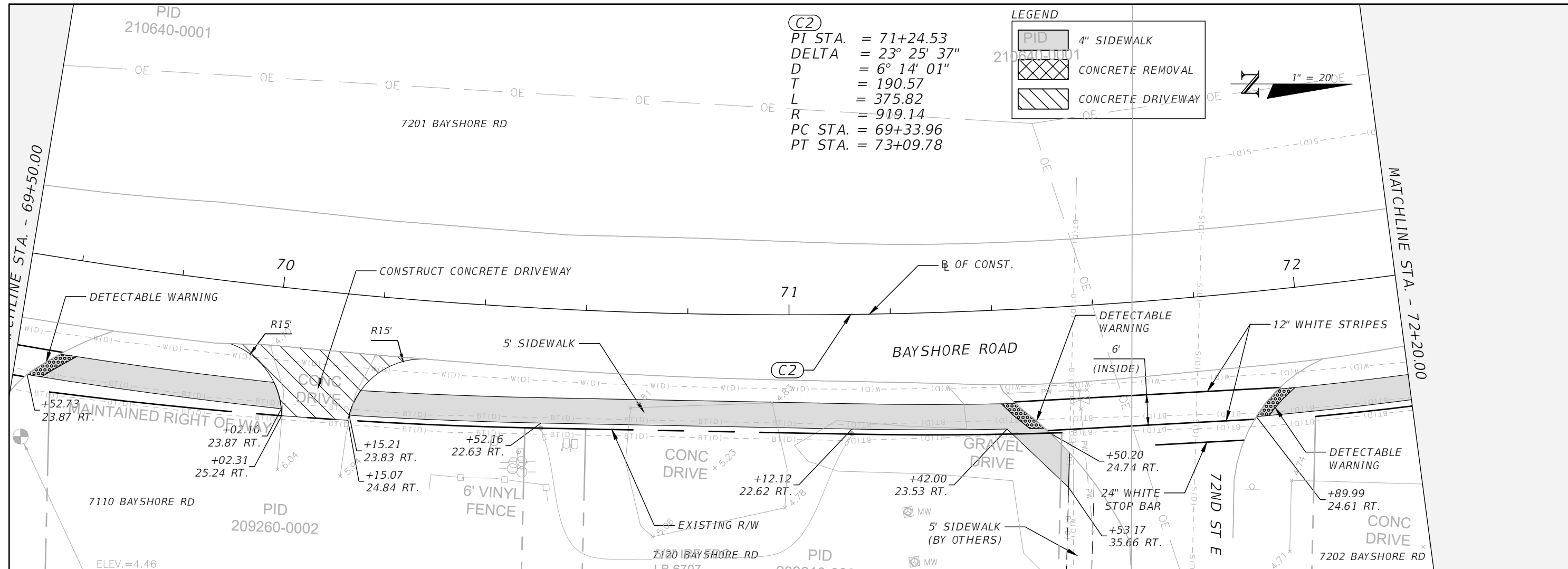
CHRISTOPHER J. KNOX, P.E.  
 P.E. LICENSE NUMBER 67350  
 CARDNO, INC.  
 380 PARK PLACE BOULEVARD, SUITE 300  
 CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

PLAN AND PROFILE (15)

SHEET NO. 23

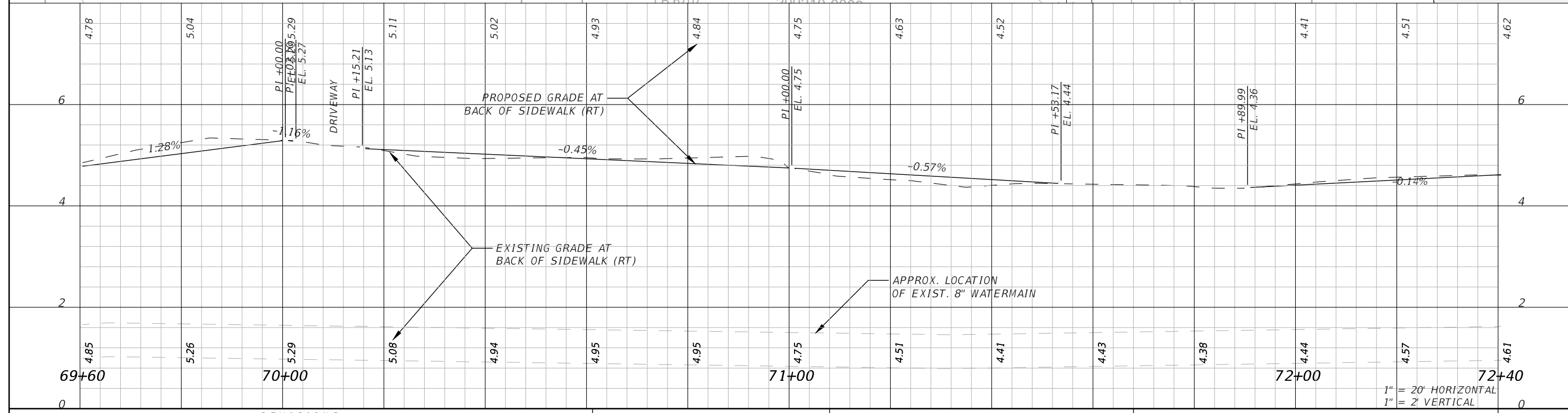
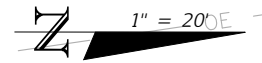
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



(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



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

<b>PLAN AND PROFILE (16)</b>		SHEET NO.
		24




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

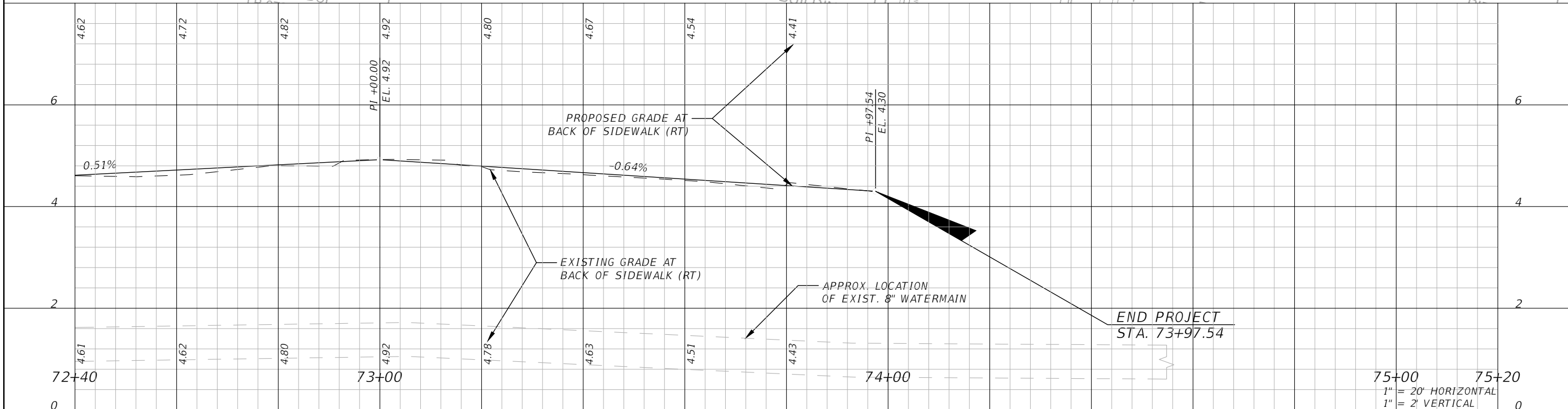
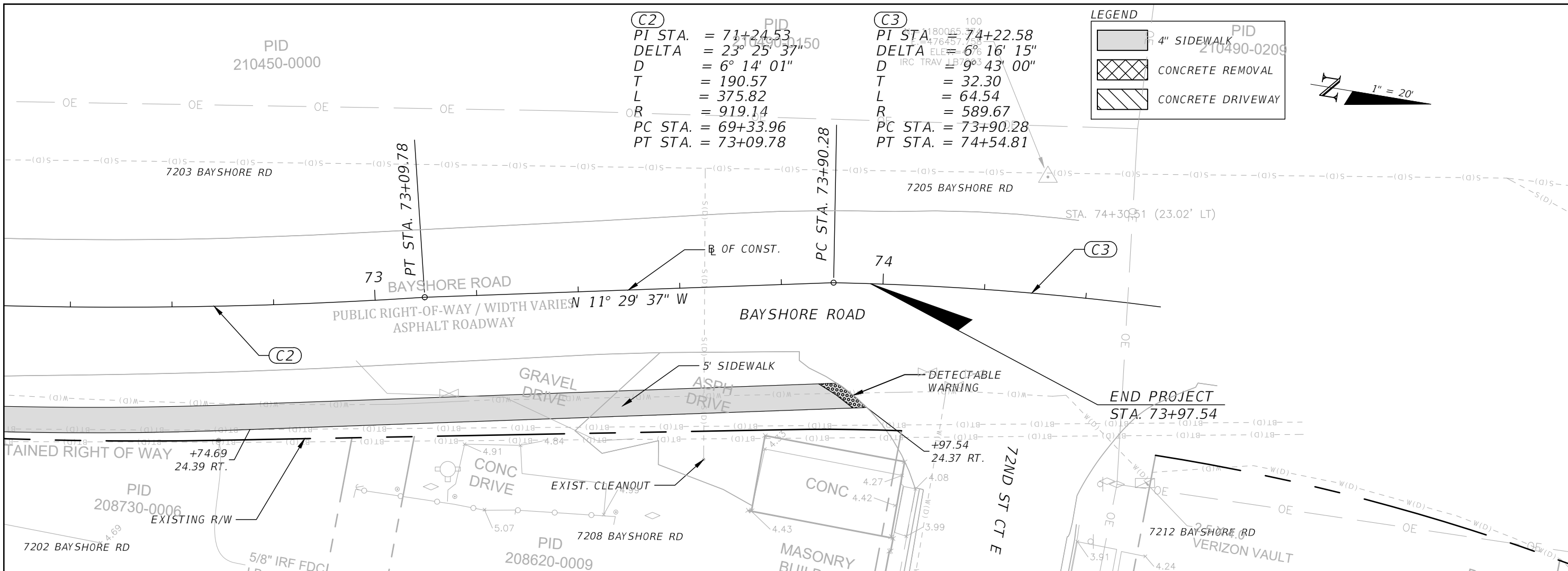
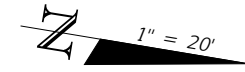


**(C2)**  
 PID 210450-0000  
 PI STA. = 71+24.53  
 DELTA = 23° 25' 37"  
 D = 6° 14' 01"  
 T = 190.57  
 L = 375.82  
 OR = 919.14  
 PC STA. = 69+33.96  
 PT STA. = 73+09.78

**(C3)**  
 PID 210490-0209  
 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



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

**PLAN AND PROFILE (17)**

SHEET NO.  
25

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



512 61ST ST E

608 61ST ST E

620 61ST ST E

711-17-1 81 SF  
EXIST. SCHOOL MARKINGS  
(TO BE REMOVED)

EXIST. SIGN  
(TO REMAIN)  
SPEED LIMIT 25

700-1-11 1 AS  
FTP 34-06  
24"x30"  
END SCHOOL ZONE

10

11

12

PALM VIEW ROAD

EXIST. SIGN  
(TO BE REMOVED)

700-1-60 1 AS

EXIST. SIGN  
(TO BE REMOVED)

700-1-11 1 AS  
S1-1/W16-9P  
30"x30"/24"x12"

24" WHITE  
PAVEMENT MARKING  
(SCHOOL)

EXIST. SCHOOL ZONE BEACON  
(RELOCATED FROM SHEET 25)

SPEEDING FINES DOUBLED WHEN FLASHING  
SCHOOL SPEED LIMIT 20

700-3-101 1 EA  
ADD SIGN PANEL TO EXIST. BEACON  
FTP 38-06  
24"x30"

700-36-01 1 EA  
REMOVE EXIST. SIGN PANEL

700-3-101 1 EA  
ADD SIGN PANEL  
S5-1 24"x48"  
(15 MPH)

NOTE: EXISTING FEATURES ESTABLISHED FROM AERIAL (FDOT/2017).

429 61ST ST E

539 61ST ST E

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

CHRISTOPHER J. KNOX  
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 (18)

SHEET NO.  
26

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



620 61ST ST E

620 61ST ST E

700-1-60 1 AS  
EXIST. SIGN  
(TO BE REMOVED)



EXISTING R/W

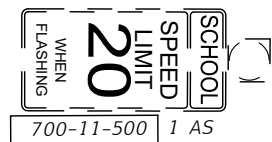
13

14

15

PALM VIEW ROAD

EXIST. SCHOOL  
ZONE BEACON  
(TO BE RELOCATED)



700-1-60 1 AS  
EXIST. SIGN  
(TO BE REMOVED)

EXISTING R/W

539 61ST ST E

611 61ST ST E

5925 BAYSHORE RD

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
---	---	---	---

CHRISTOPHER J. KNOX  
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 (19)

SHEET NO.

27

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



708 61ST ST E

712 61ST ST E

6115 BAYSHORE RD

EXIST. SIGN  
(TO BE REMOVED)  
700-1-60 1 AS



EXISTING R/W

700-3-101 1 EA  
ADD SIGN PANEL  
S5-1 24"x48"  
(15 MPH)

700-36-01 1 EA  
REMOVE EXIST.  
SIGN PANEL

700-3-101 1 EA  
ADD SIGN PANEL  
TO EXIST. BEACON  
FTP 38-06  
24"x30"



EXIST. SCHOOL  
ZONE BEACON  
(TO REMAIN)

EXISTING R/W

16

17

18

PALM VIEW RD



EXIST. SIGN  
(TO BE REMOVED)  
700-1-60 1 AS



700-1-11 1 AS  
S1-1/W16-9P  
30"x30"/24"x12"

EXISTING R/W

5925 BAYSHORE RD

MATCHLINE STA. 18+40.00

PLAN

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

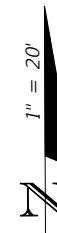
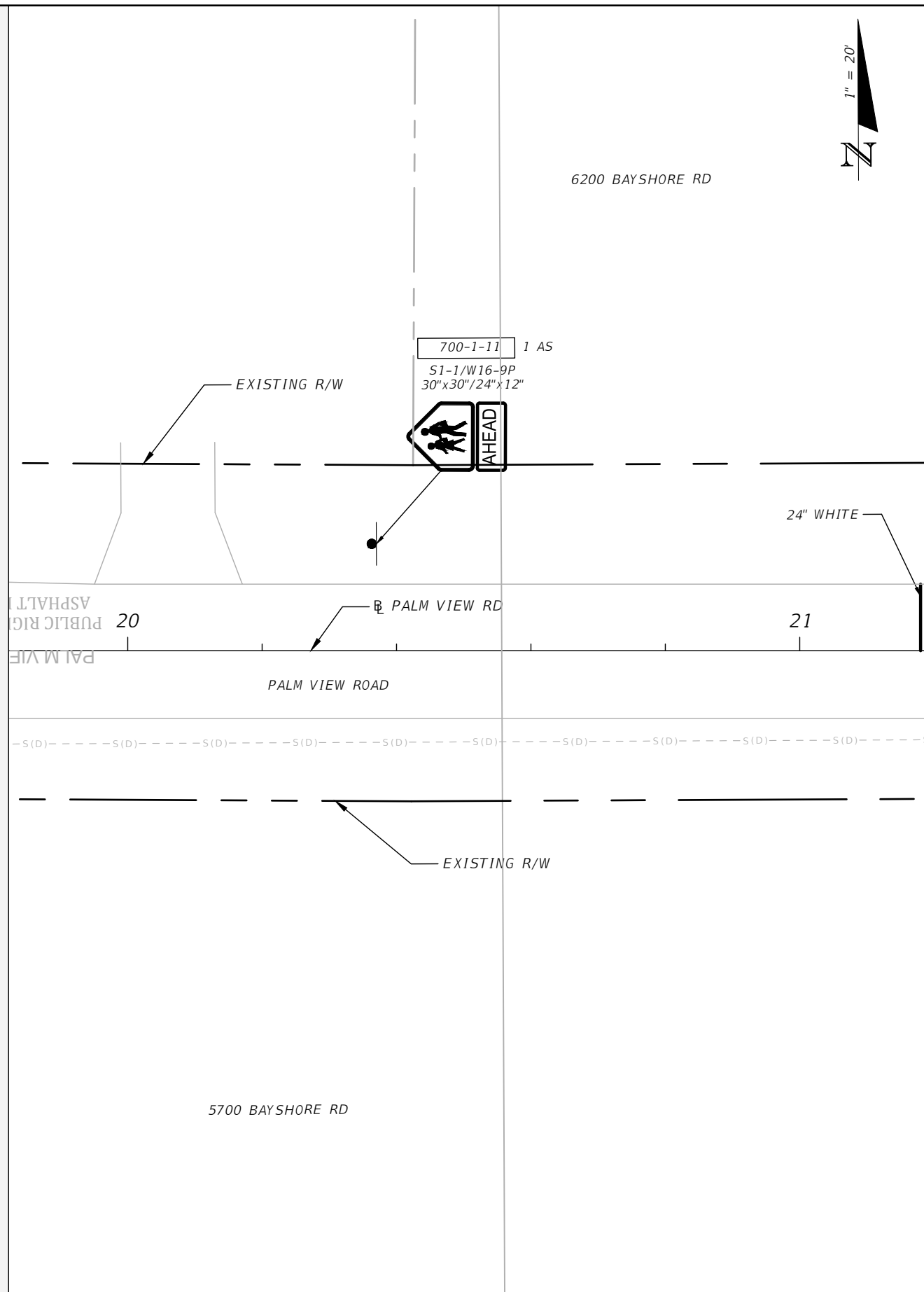
**PLAN AND PROFILE (20)**

SHEET NO.  
28

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

SEE SHEET 15  
FOR BAYSHORE RD AND  
PALM VIEW RD INTERSECTION

MATCHLINE STA. 19+82.25



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

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

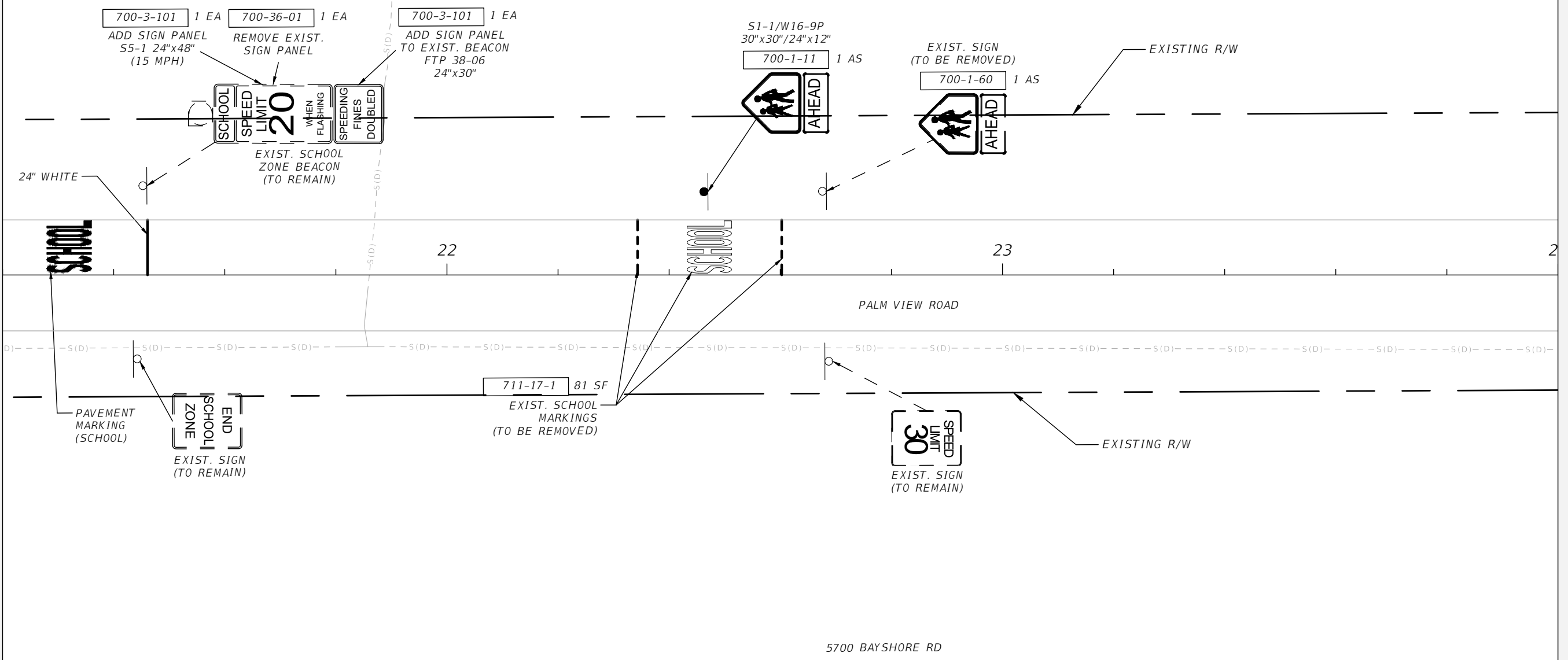
**PLAN AND PROFILE (21)**

SHEET NO.  
29

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



6200 BAYSHORE RD



22

23

2

PALM VIEW ROAD

5700 BAYSHORE RD

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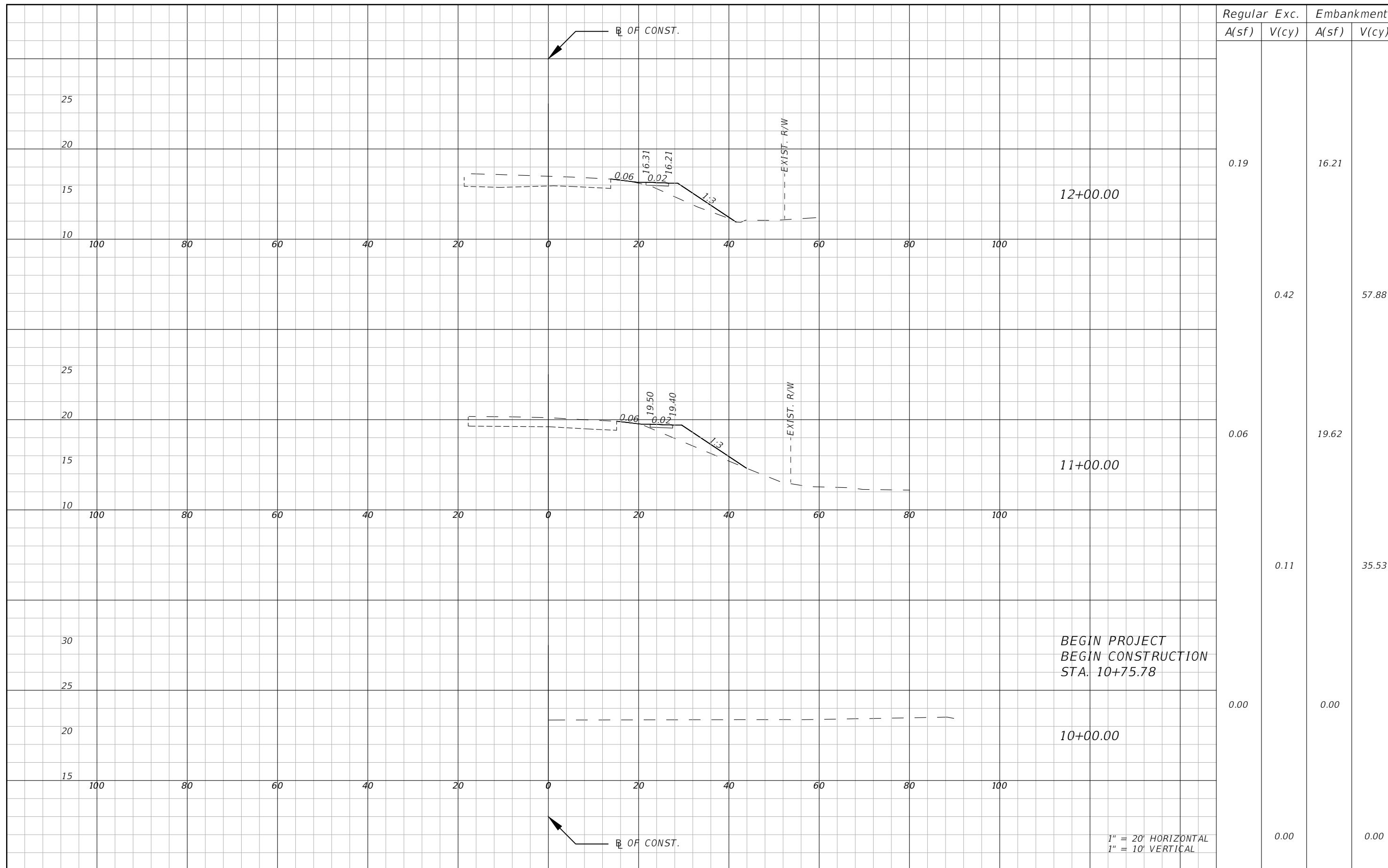
CHRISTOPHER J. KNOX  
 P.E. LICENSE NUMBER 67350  
 CARDNO, INC.  
 380 PARK PLACE BOULEVARD, SUITE 300  
 CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**PLAN AND PROFILE (22)**

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.



Regular		Exc.		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
0.19				16.21	
	0.42				57.88
0.06				19.62	
	0.11				35.53
0.00				0.00	
	0.00				0.00

BEGIN PROJECT  
 BEGIN CONSTRUCTION  
 STA. 10+75.78

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

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

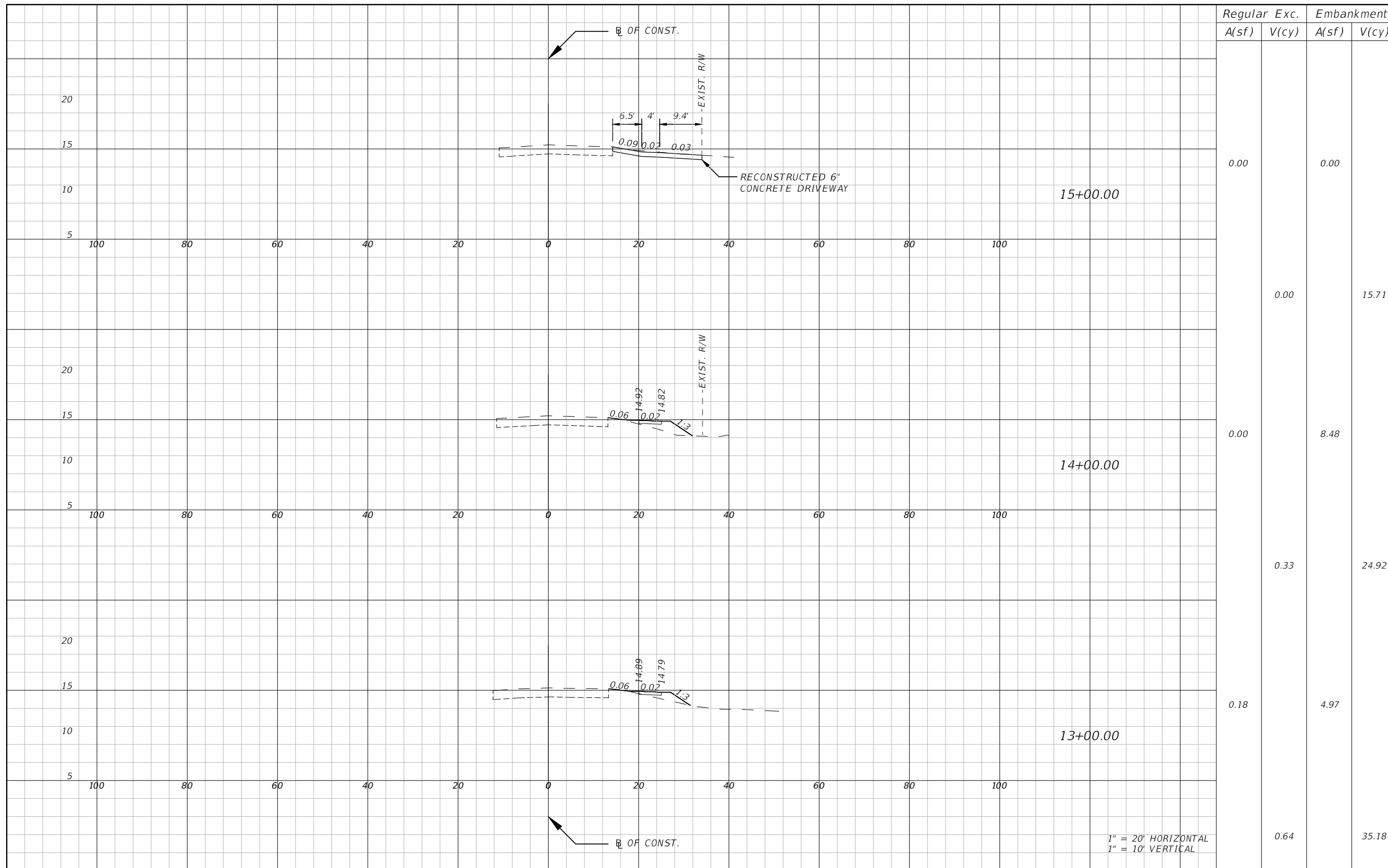
CHRISTOPHER J. KNOX, P.E.  
 P.E. LICENSE NUMBER 67350  
 CARDNO, INC.  
 380 PARK PLACE BOULEVARD, SUITE 300  
 CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**CROSS SECTIONS (1)**

SHEET NO.  
 31

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC 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	0.00	0.00	15.71
0.00	0.00	0.06	0.33	0.06	24.92
0.18	0.18	0.06	0.33	0.06	4.97
0.64	0.64	0.06	0.33	0.06	35.18

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

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

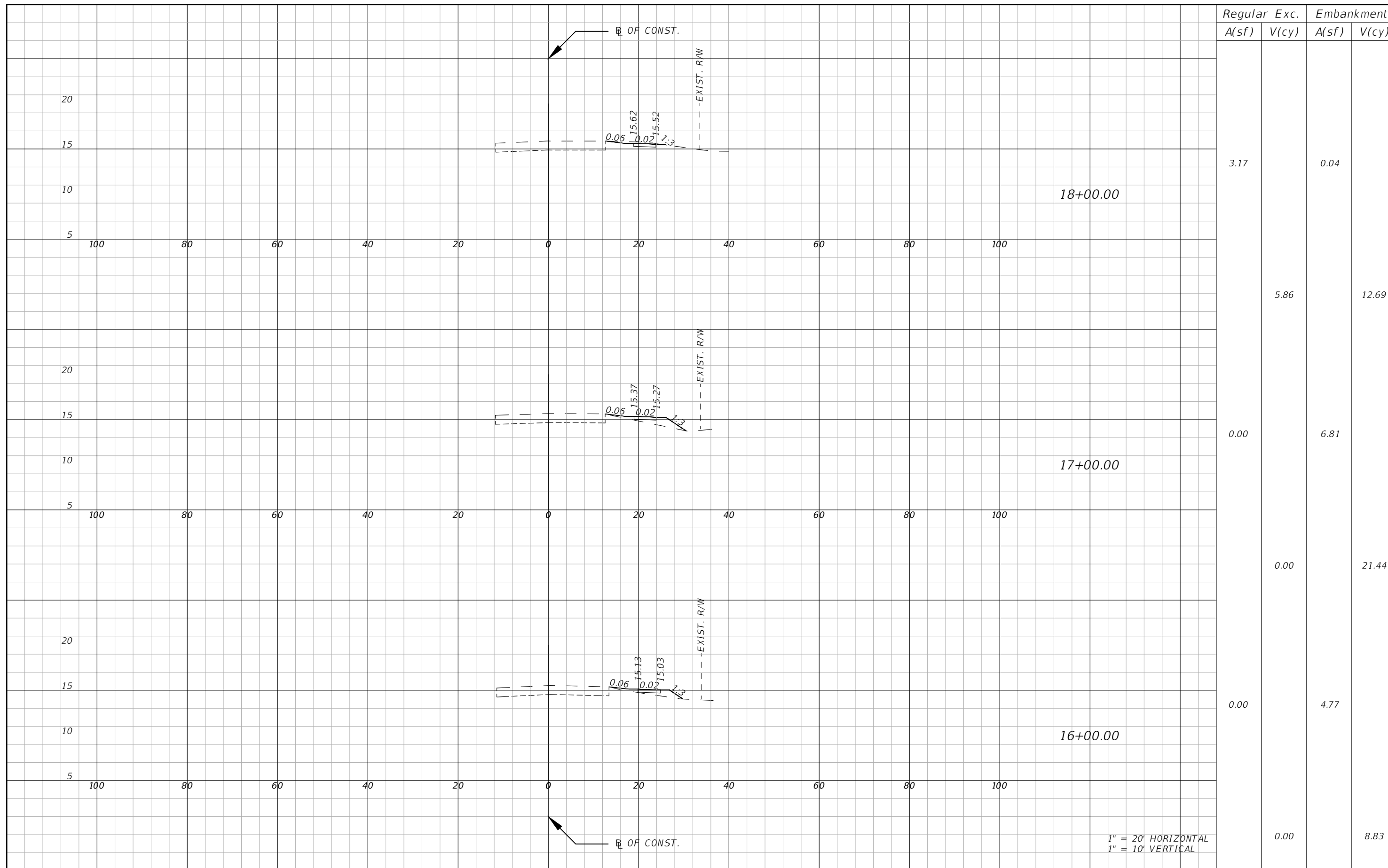
MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**CROSS SECTIONS (2)**

SHEET NO.  
32

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC 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)
3.17				0.04	
	5.86				12.69
0.00				6.81	
	0.00				21.44
0.00				4.77	
	0.00				8.83

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

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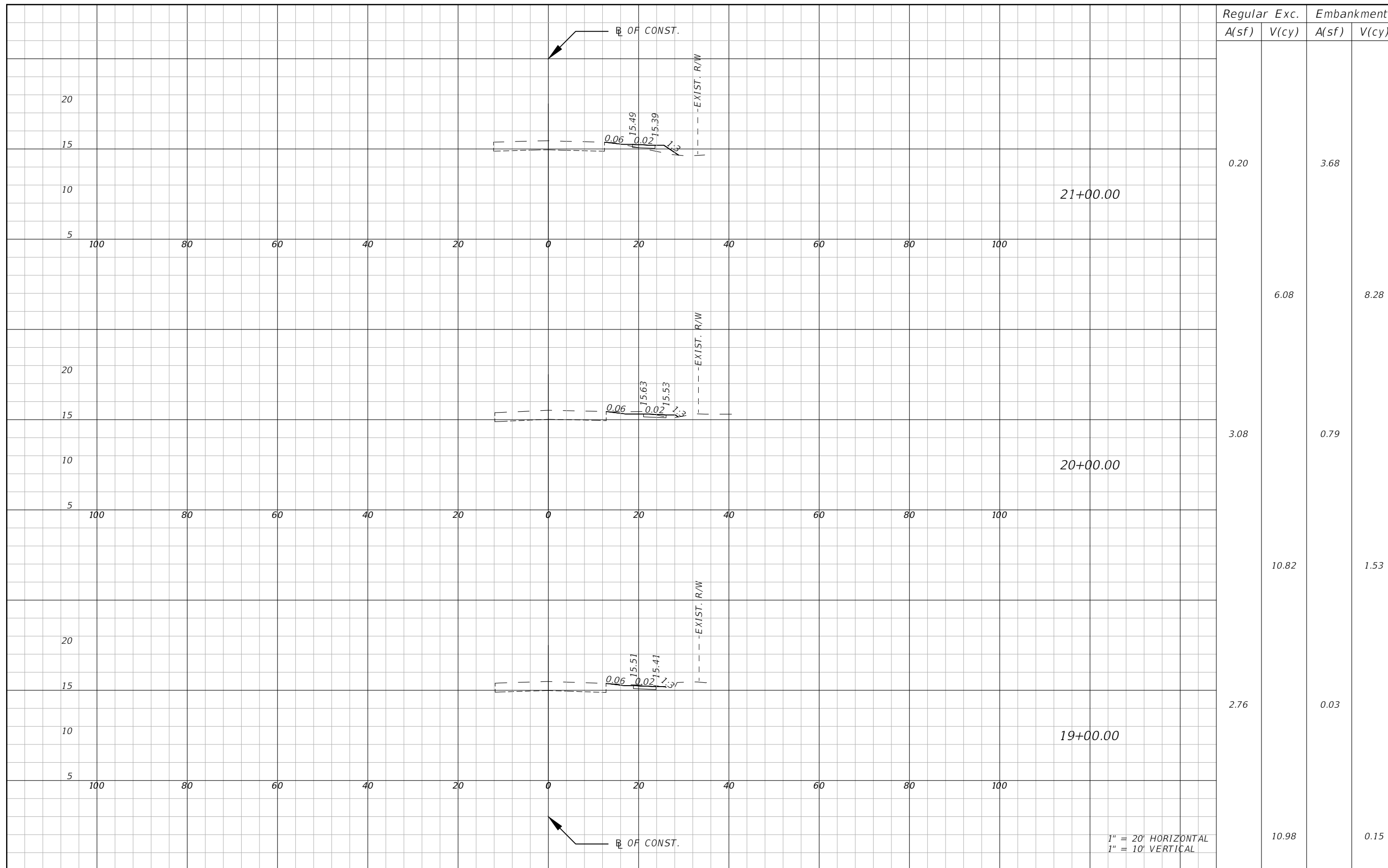
CHRISTOPHER J. KNOX, P.E.  
P.E. LICENSE NUMBER 67350  
CARDNO, INC.  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**CROSS SECTIONS (3)**

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.



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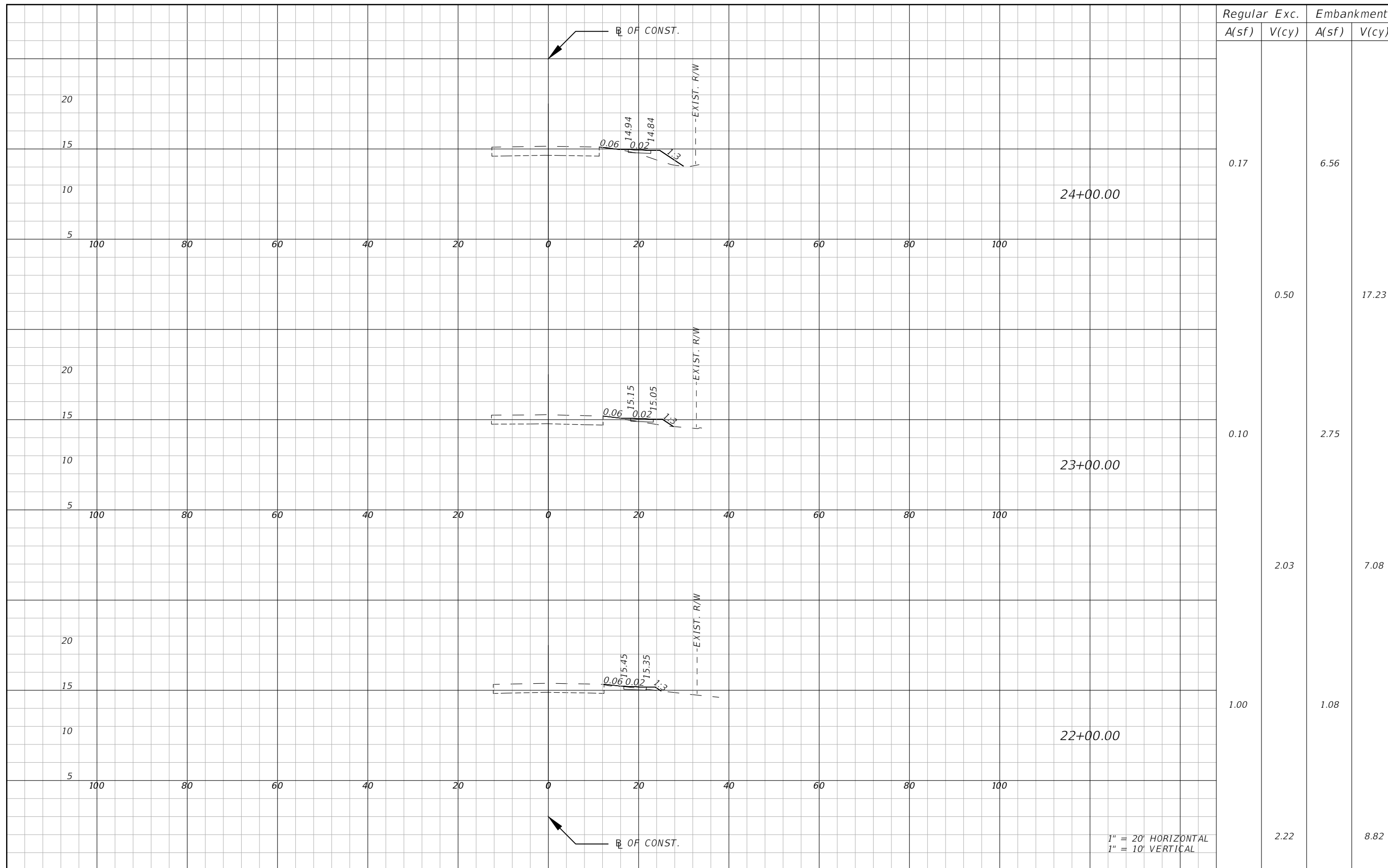
CHRISTOPHER J. KNOX, P.E.  
P.E. LICENSE NUMBER 67350  
CARDNO, INC.  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

CROSS SECTIONS (4)

SHEET NO.
34

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC 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)
0.17	0.50	6.56	17.23		
0.10	2.03	2.75	7.08		
1.00	2.22	1.08	8.82		

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

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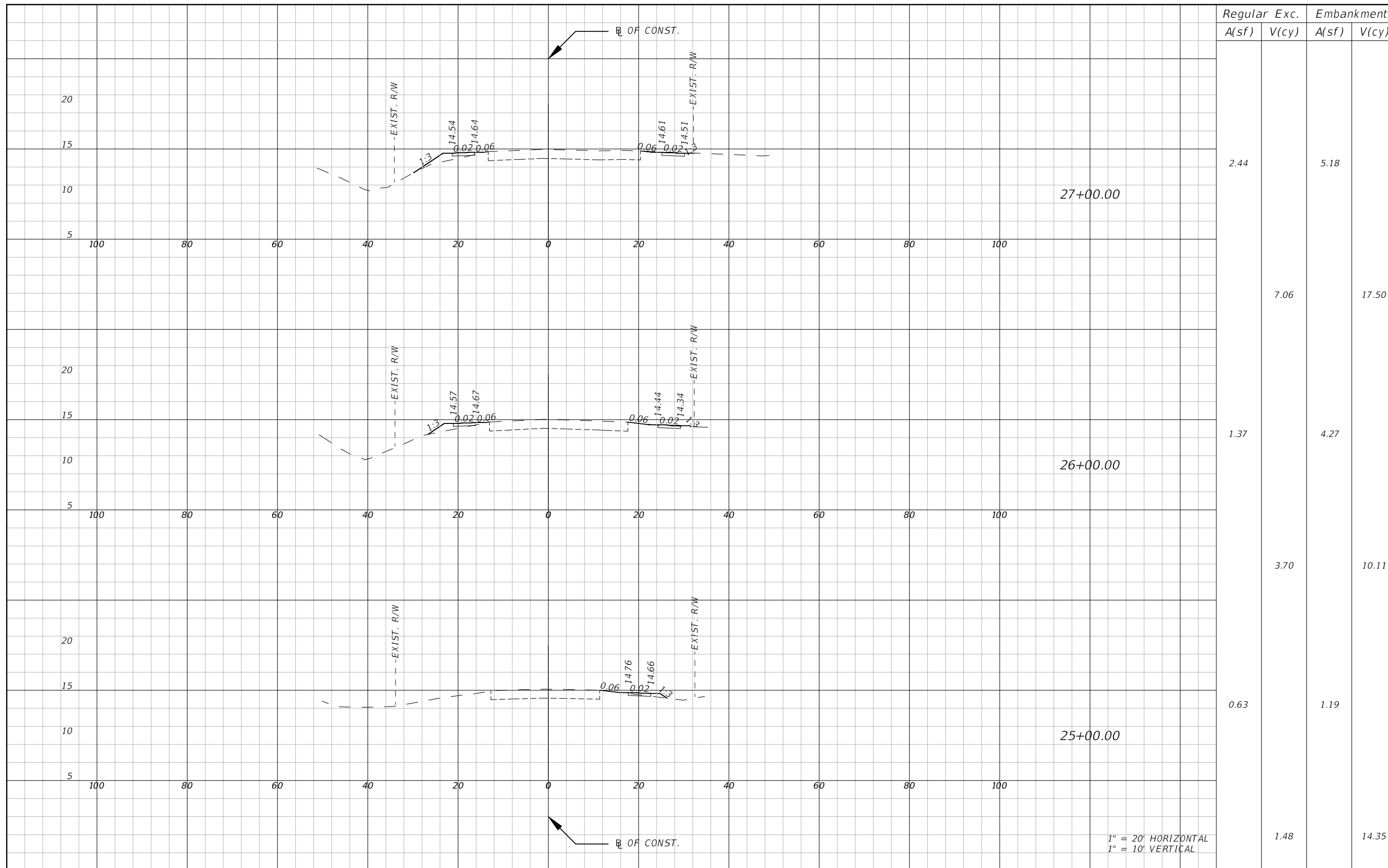
CHRISTOPHER J. KNOX, P.E.  
P.E. LICENSE NUMBER 67350  
CARDNO, INC.  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**CROSS SECTIONS (5)**

SHEET NO.  
35

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC 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)
2.44			7.06	5.18	17.50
1.37			3.70	4.27	10.11
0.63			1.48	1.19	14.35

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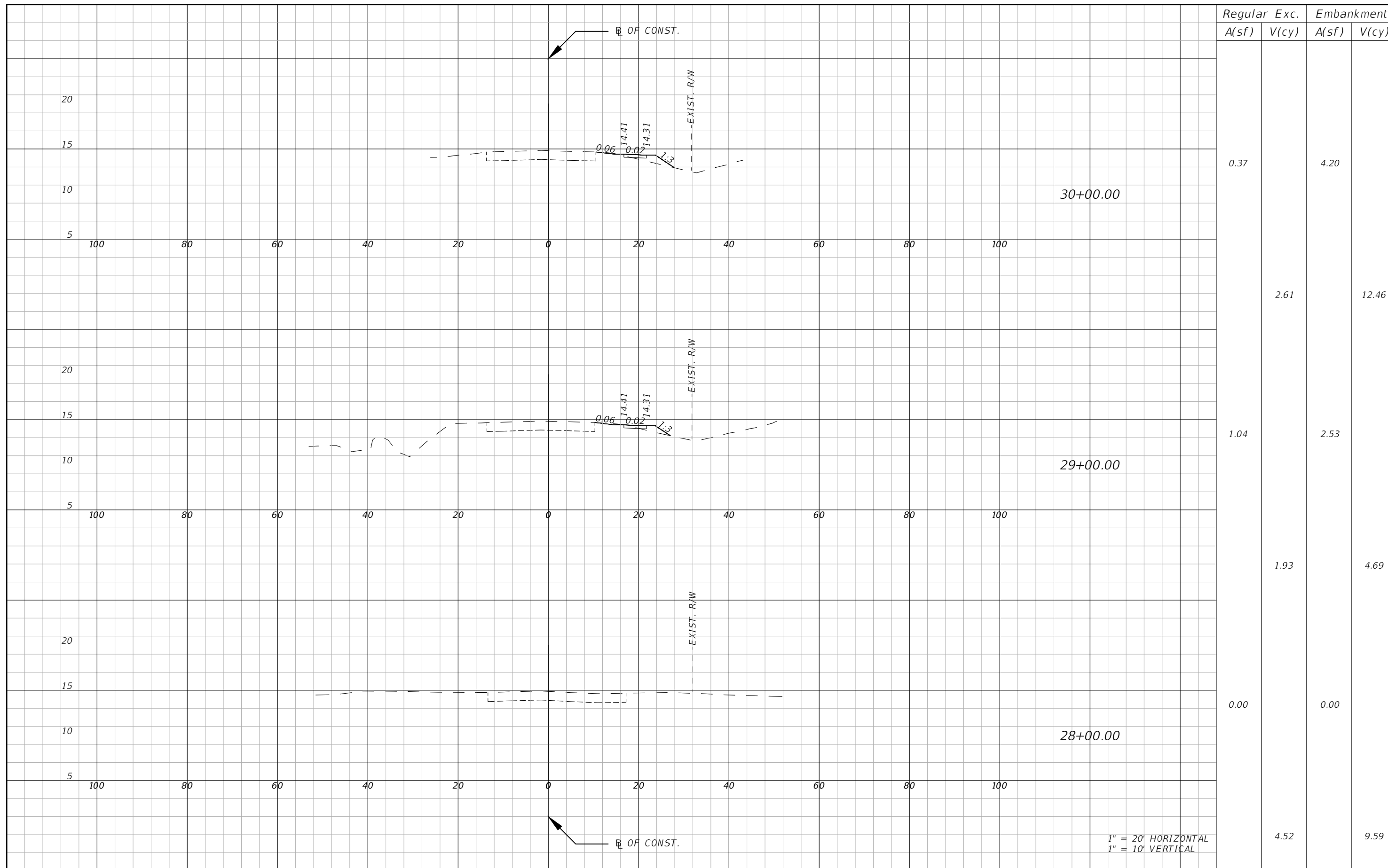
CHRISTOPHER J. KNOX, P.E.  
P.E. LICENSE NUMBER 67350  
CARDNO, INC.  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**CROSS SECTIONS (6)**

SHEET NO.  
36

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC 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)
0.37			2.61	4.20	12.46
1.04			1.93	2.53	4.69
0.00			4.52	0.00	9.59

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

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

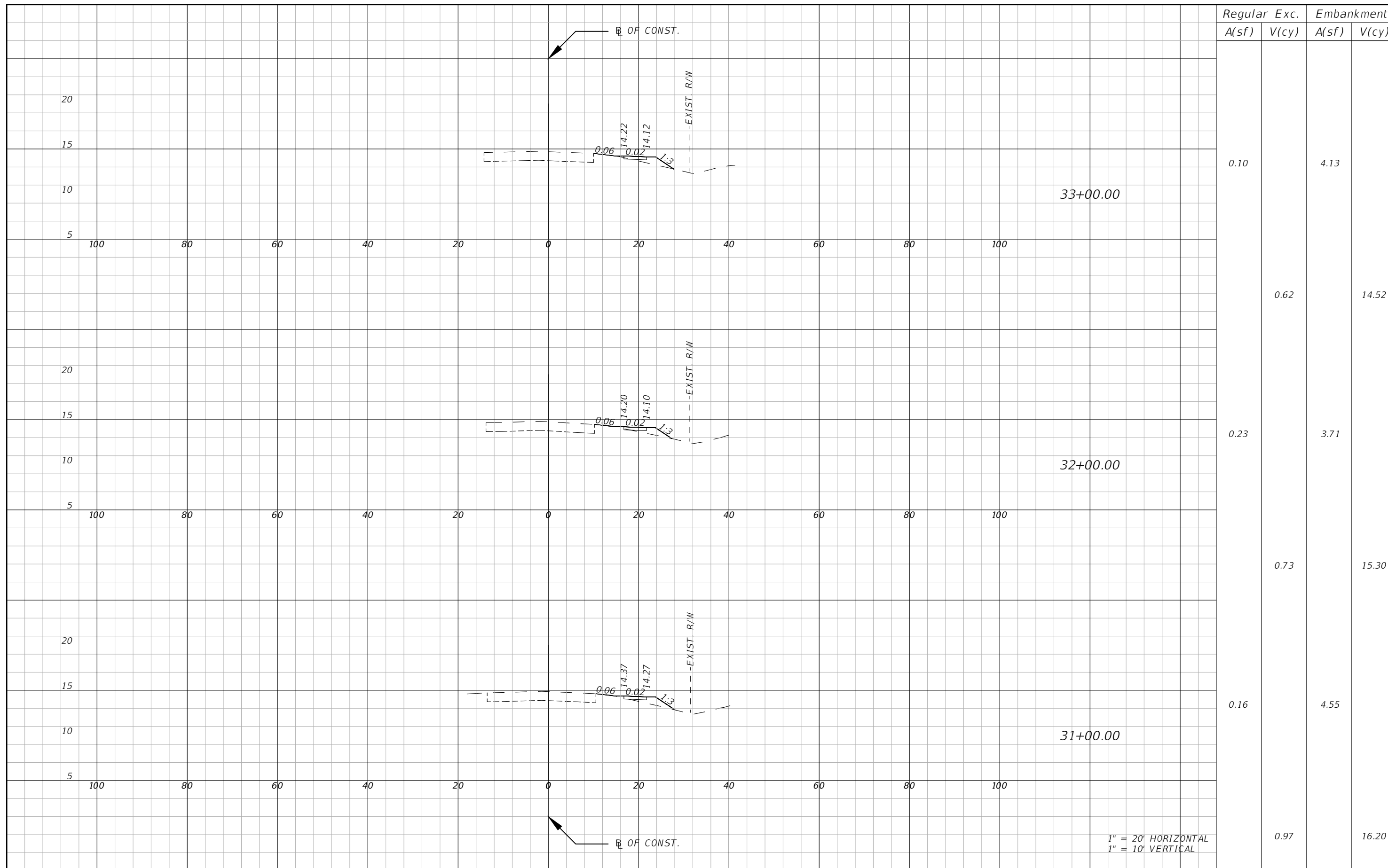
CHRISTOPHER J. KNOX, P.E.  
P.E. LICENSE NUMBER 67350  
CARDNO, INC.  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**CROSS SECTIONS (7)**

SHEET NO.  
37

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC 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)
0.10	0.62	4.13	0.62	4.13	14.52
0.23	0.73	3.71	0.73	3.71	15.30
0.16	0.97	4.55	0.97	4.55	16.20

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

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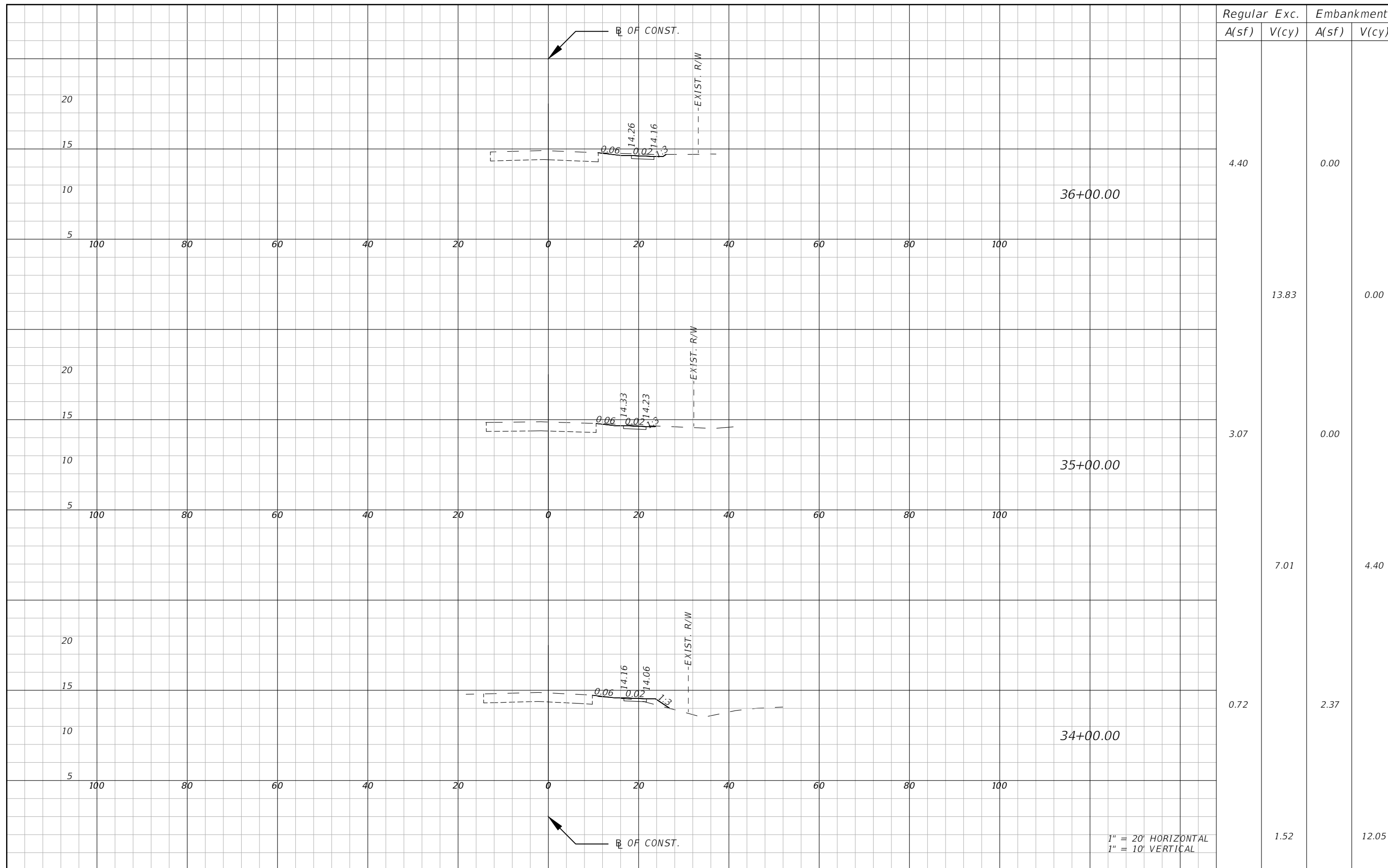
CHRISTOPHER J. KNOX, P.E.  
P.E. LICENSE NUMBER 67350  
CARDNO, INC.  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**CROSS SECTIONS (8)**

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.



Station	Regular		Exc.		Embankment	
	A(sf)	V(cy)	A(sf)	V(cy)	A(sf)	V(cy)
36+00.00	4.40	0.00				
35+00.00	3.07	0.00				
34+00.00	0.72	2.37				
			13.83	0.00		
			7.01	4.40		
			1.52	12.05		

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

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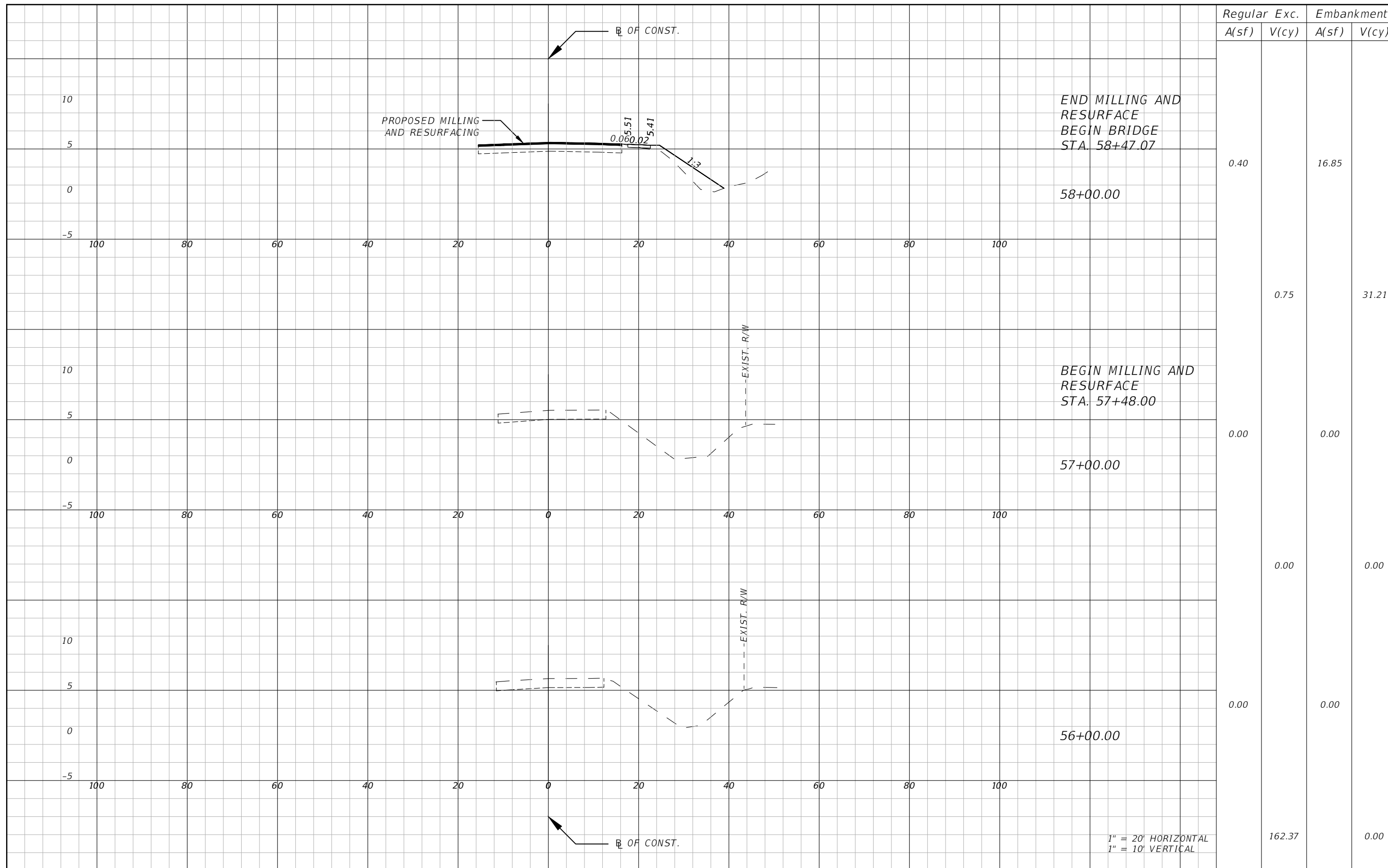
CHRISTOPHER J. KNOX, P.E.  
P.E. LICENSE NUMBER 67350  
CARDNO, INC.  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**CROSS SECTIONS (9)**

SHEET NO.  
39

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC 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)
0.40				16.85	
	0.75				31.21
0.00				0.00	
	0.00				0.00
0.00				0.00	
	0.00				0.00
		162.37			0.00

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

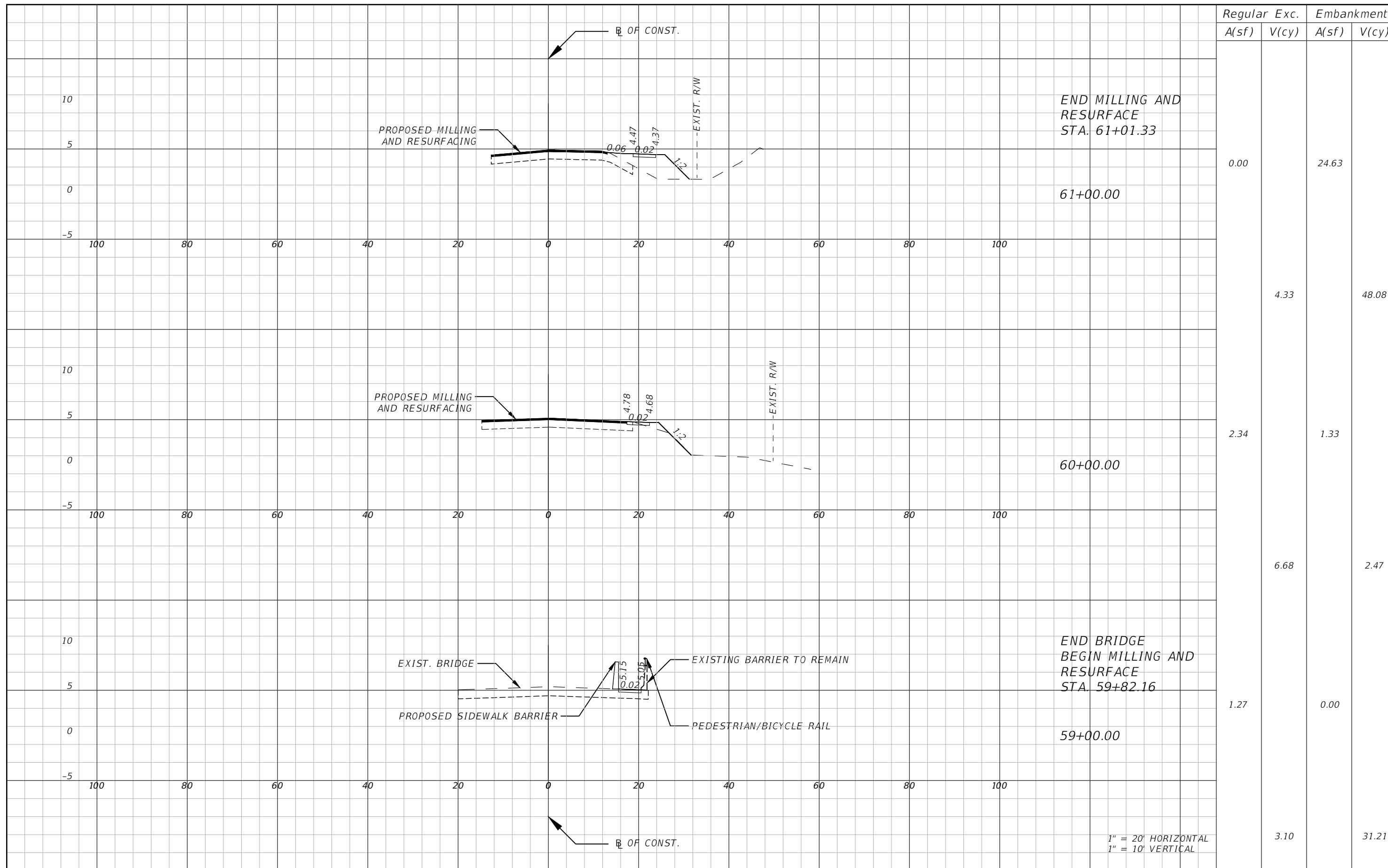
MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**CROSS SECTIONS (10)**

SHEET NO.  
40

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC 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				24.63	
	4.33				48.08
2.34				1.33	
	6.68				2.47
1.27				0.00	
	3.10				31.21

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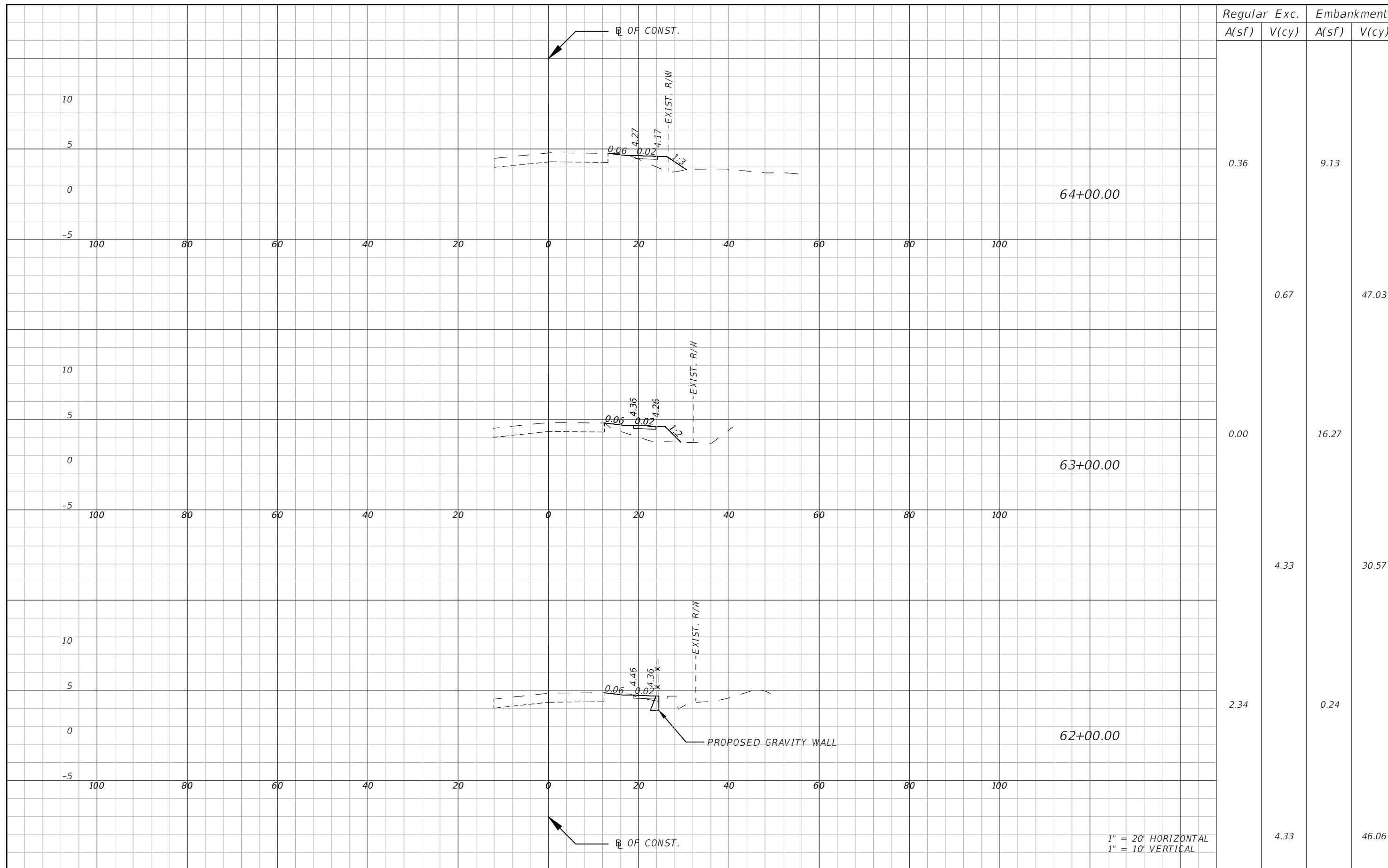
CHRISTOPHER J. KNOX, P.E.  
P.E. LICENSE NUMBER 67350  
CARDNO, INC.  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**CROSS SECTIONS (11)**

SHEET NO.  
41

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC 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)
0.36			0.67	9.13	47.03
0.00			4.33	16.27	30.57
2.34			4.33	0.24	46.06

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

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

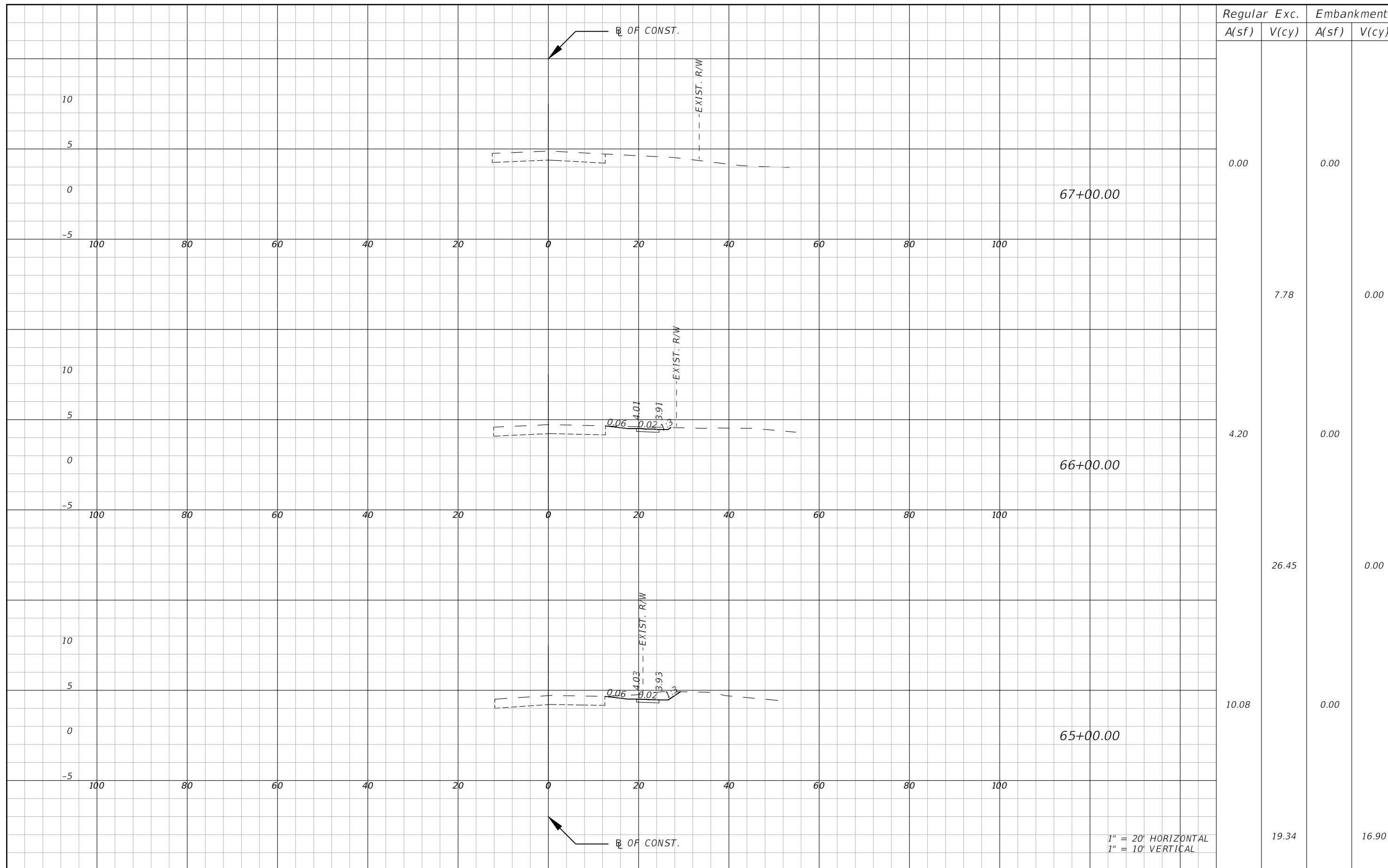
CHRISTOPHER J. KNOX, P.E.  
P.E. LICENSE NUMBER 67350  
CARDNO, INC.  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**CROSS SECTIONS (12)**

SHEET NO.  
42

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC 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	
	7.78				0.00
4.20				0.00	
	26.45				0.00
10.08				0.00	
	19.34				16.90

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

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

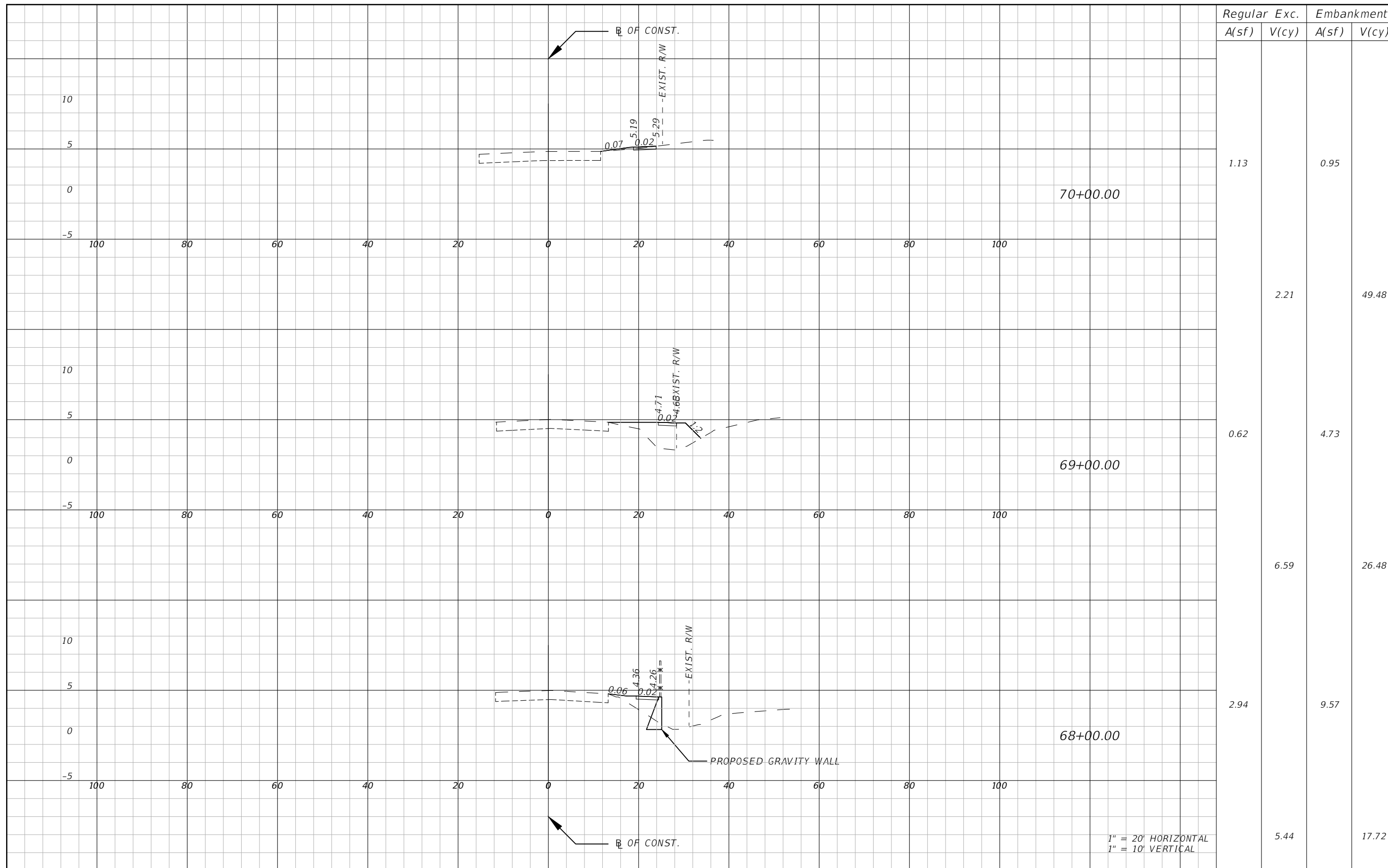
CHRISTOPHER J. KNOX, P.E.  
P.E. LICENSE NUMBER 67350  
CARDNO, INC.  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**CROSS SECTIONS (13)**

SHEET NO.  
43

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC 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)
1.13				0.95	
	2.21				49.48
0.62				4.73	
	6.59				26.48
2.94				9.57	
	5.44				17.72

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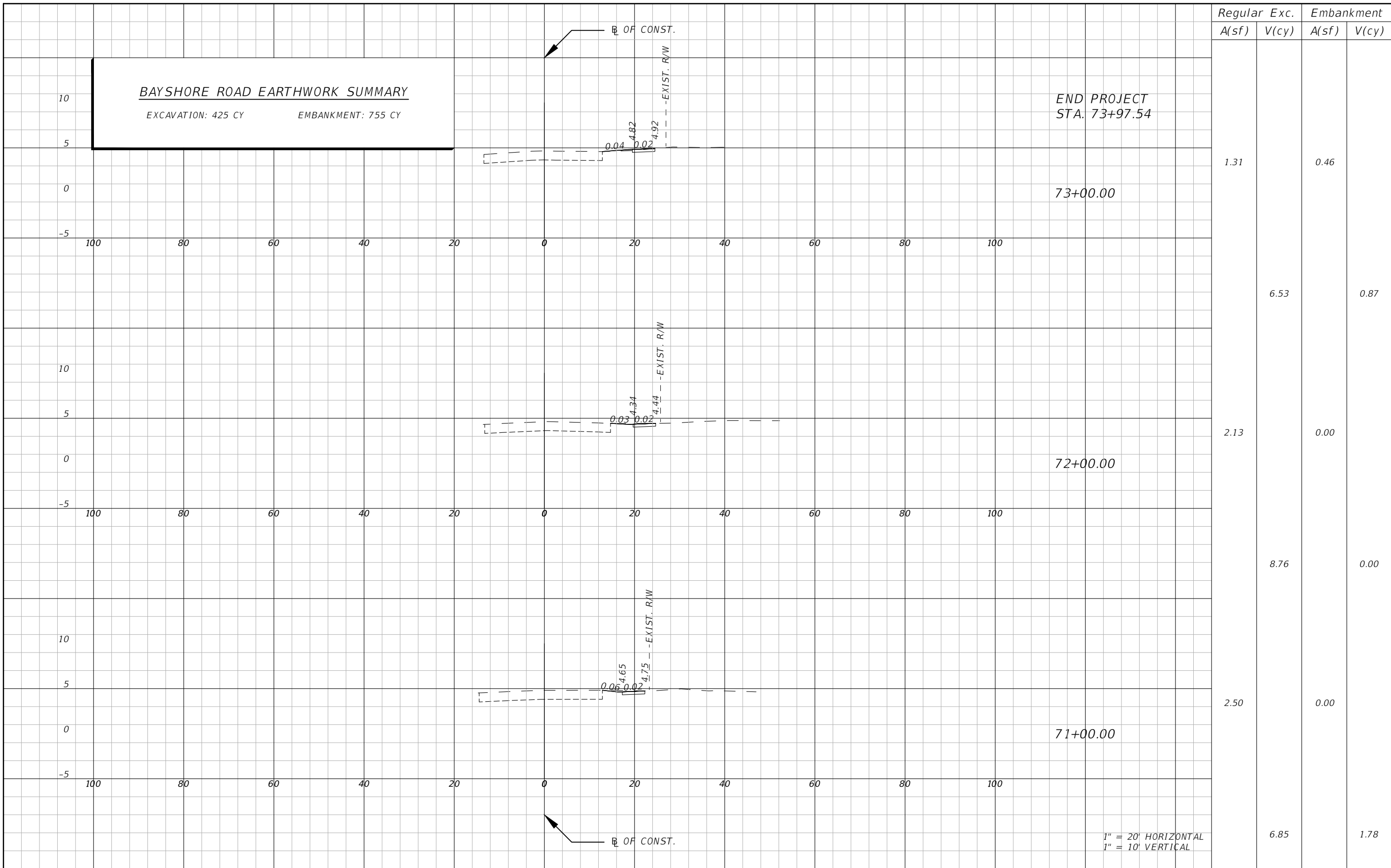
CHRISTOPHER J. KNOX, P.E.  
P.E. LICENSE NUMBER 67350  
CARDNO, INC.  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**CROSS SECTIONS (14)**

SHEET NO.  
44

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



**BAYSHORE ROAD EARTHWORK SUMMARY**

EXCAVATION: 425 CY      EMBANKMENT: 755 CY

END PROJECT  
STA. 73+97.54

73+00.00

72+00.00

71+00.00

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

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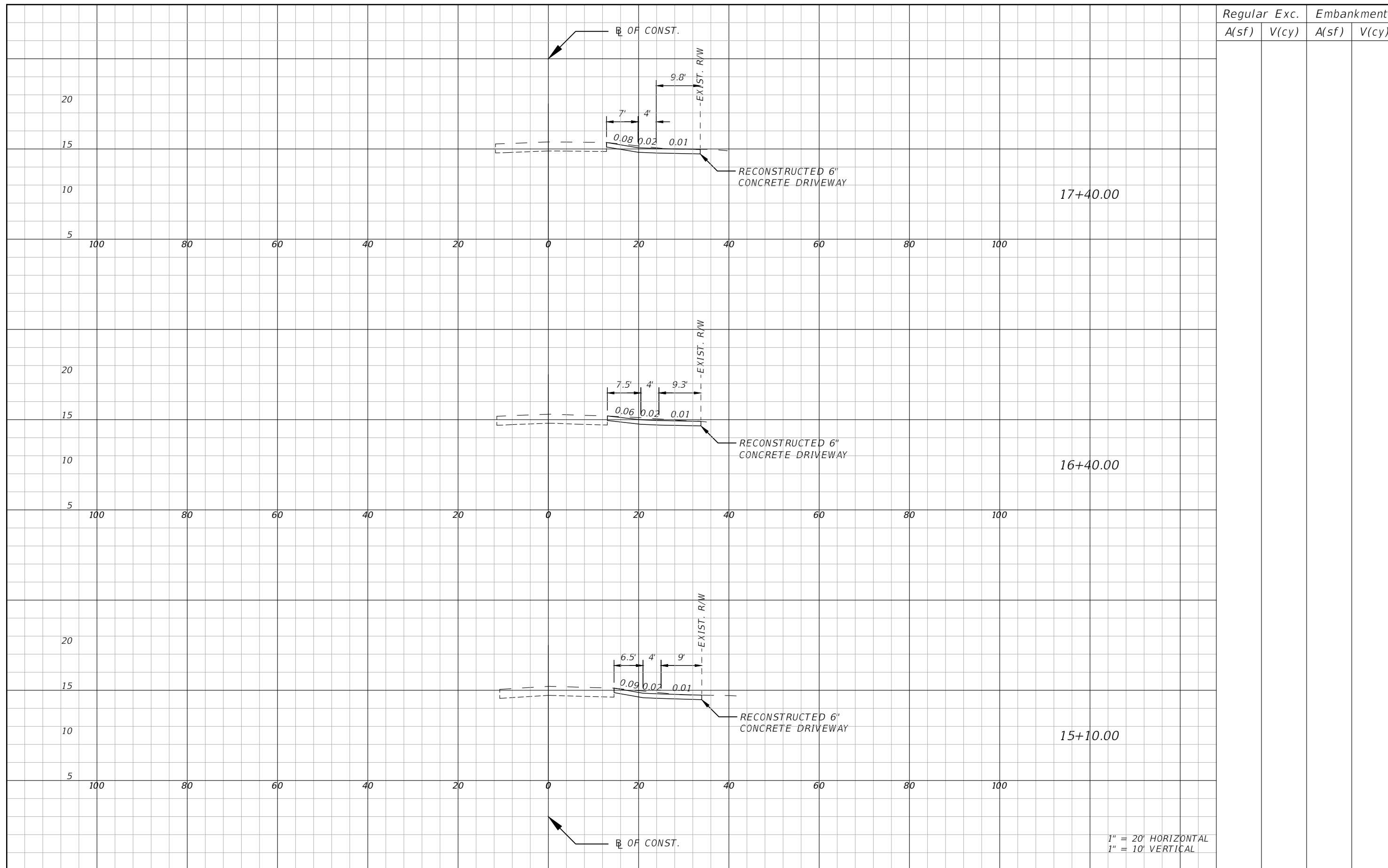
CHRISTOPHER J. KNOX, P.E.  
P.E. LICENSE NUMBER 67350  
CARDNO, INC.  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**CROSS SECTIONS (15)**

SHEET NO.
45

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC 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)

17+40.00

16+40.00

15+10.00

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

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

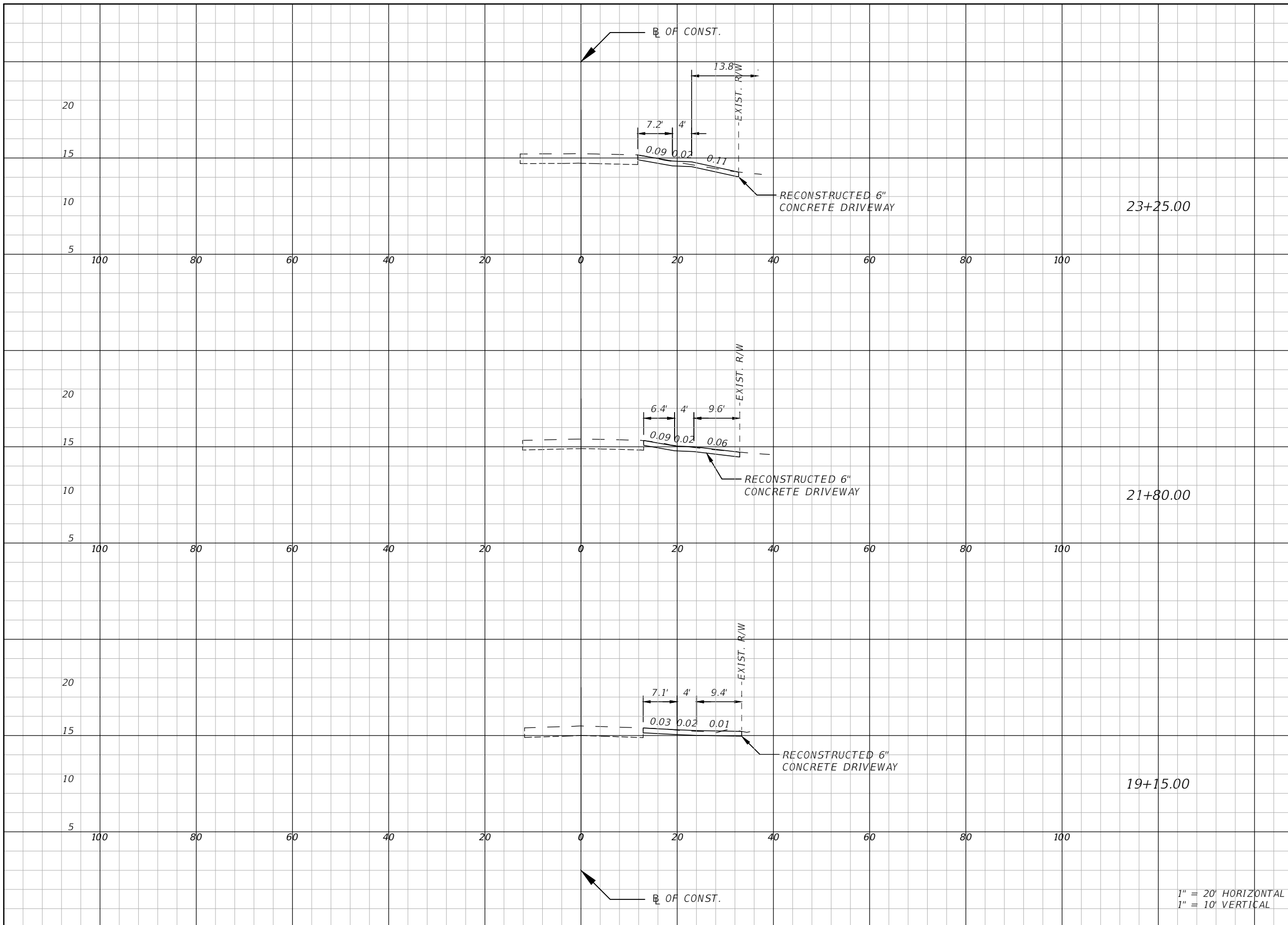
CHRISTOPHER J. KNOX, P.E.  
P.E. LICENSE NUMBER 67350  
CARDNO, INC.  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**DRIVEWAY HALF SECTIONS (1)**

SHEET NO.  
46

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC 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)

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

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

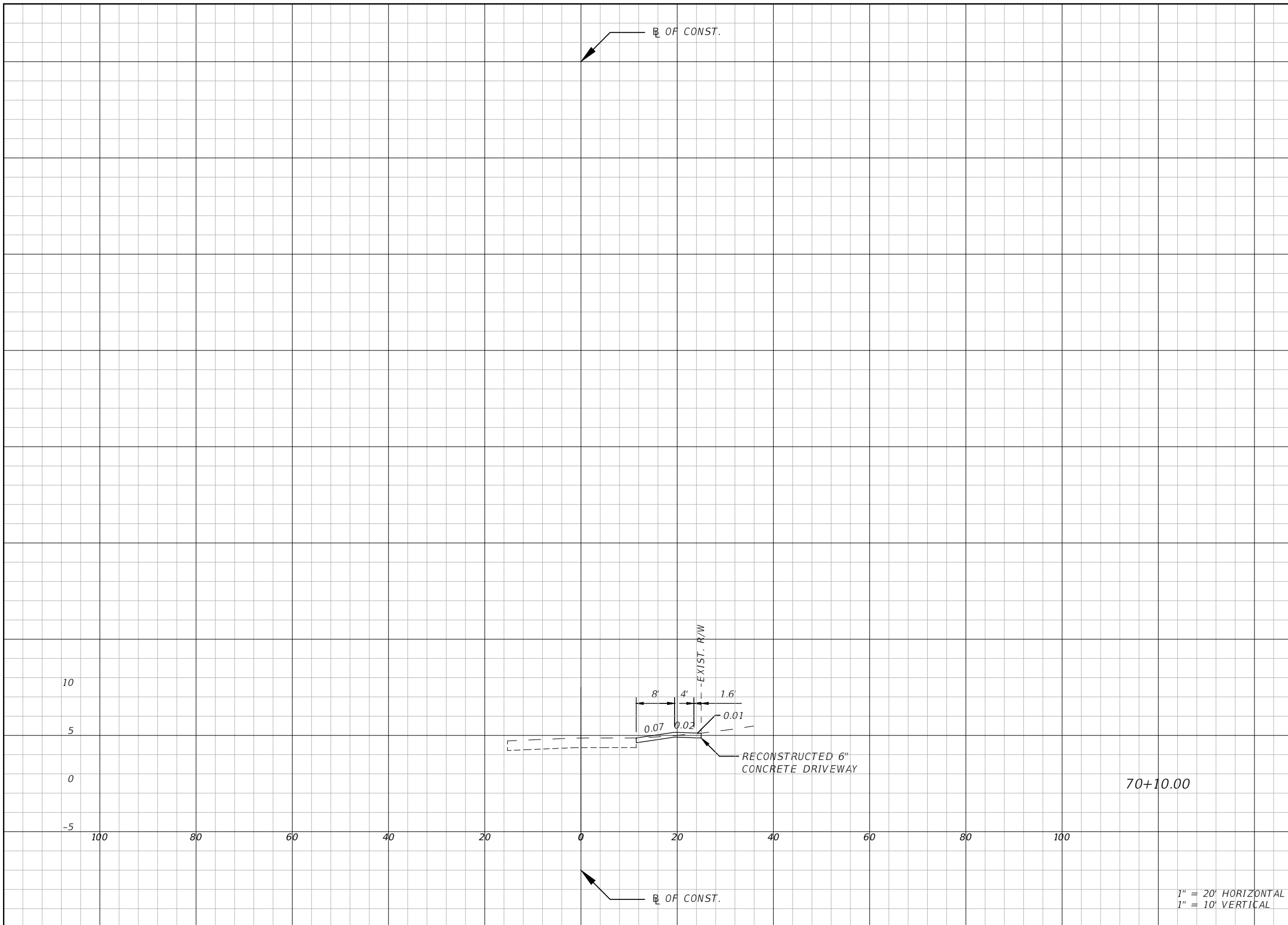
CHRISTOPHER J. KNOX, P.E.  
P.E. LICENSE NUMBER 67350  
CARDNO, INC.  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**DRIVEWAY HALF SECTIONS (2)**

SHEET NO.  
47

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



Regular	Exc.	Embankment
A(sf)	V(cy)	A(sf) V(cy)

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

**DRIVEWAY HALF SECTIONS (3)**

SHEET NO.  
48

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



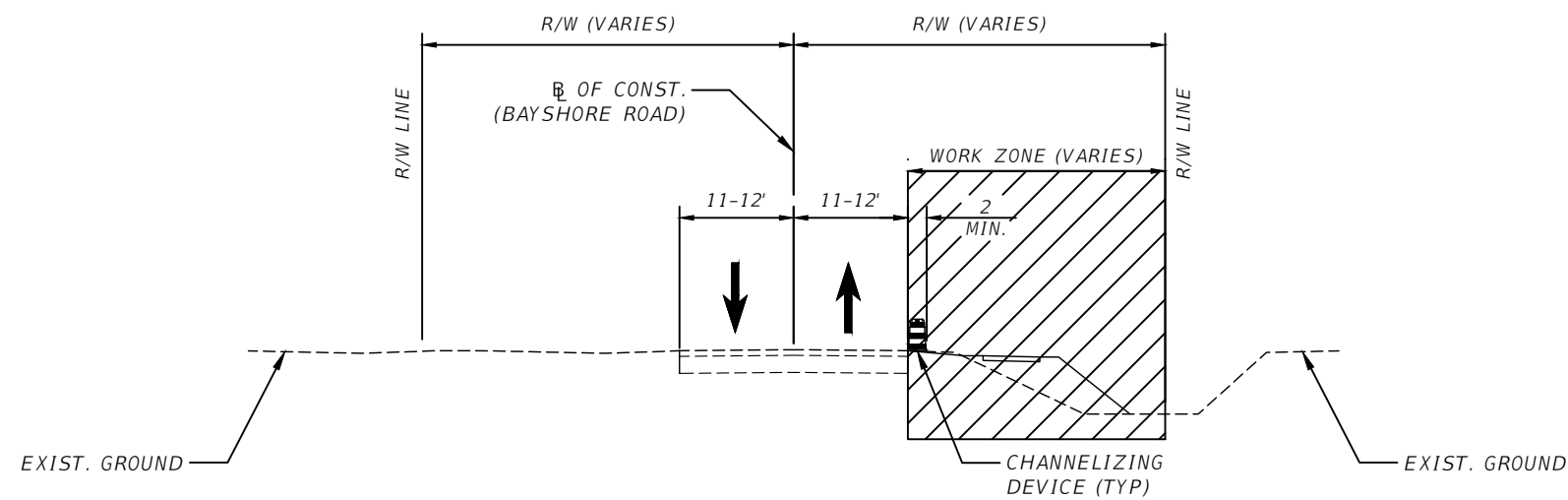
TEMPORARY TRAFFIC CONTROL PLAN GENERAL NOTES

1. POSTED REGULATORY SPEED LIMIT SHALL BE 30 MPH DURING ALL PHASES OF CONSTRUCTION.
2. THE COST OF MAINTENANCE OF TRAFFIC OPERATIONS SHALL BE INCLUDED UNDER THE LUMP SUM PAY ITEM FOR MAINTENANCE OF TRAFFIC, UNLESS A SEPARATE PAY ITEM IS PROVIDED.
3. THE CONTRACTOR SHALL PROVIDE FOR THE SAFE MOVEMENT OF PEDESTRIANS AND VEHICLES THROUGHOUT ALL PHASES OF CONSTRUCTION, INCLUDING DELIVERIES AND DROP-OFFS IN WORK ZONES.
4. EXISTING DRAINAGE PATTERNS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION OF THE PROJECT.
5. ACCESS SHALL BE CONTINUOUSLY MAINTAINED AT SIDE STREETS AND DRIVEWAYS FOR THE DURATION OF THE PROJECT, UNLESS PREVIOUSLY APPROVED BY MANATEE COUNTY. CONTRACTOR SHALL PROVIDE AND MAINTAIN FULL TIME ACCESS TO ALL BUSINESSES AND RESIDENCES, BY CONSTRUCTING TEMPORARY DRIVEWAY CONNECTIONS, AS NEEDED, PRIOR TO CLOSING ORIGINAL ACCESS POINTS AND COMMENCING NEW CONSTRUCTION. NOTICES SHALL BE GIVEN TO AFFECTED BUSINESSES THROUGH COORDINATION WITH THE COUNTY PRIOR TO CONSTRUCTION.
6. CONTRACTOR SHALL MAINTAIN EXISTING PEDESTRIAN TRAFFIC UTILIZING SIDEWALK DIVERSIONS OR DETOURS PER FDOT INDEX 102-660, AS NECESSARY.
7. THE CONTRACTOR SHALL NOTIFY MANATEE COUNTY PUBLIC WORKS PRIOR TO A LANE CLOSURE THAT WILL EXCEED TWO HOURS, A MINIMUM OF FOURTY EIGHT (48) HOURS IN ADVANCE. DURING PERIODS OF LANE CLOSURES, THE CONTRACTOR SHALL PROVIDE AN FDOT CERTIFIED WORK SITE TRAFFIC SUPERVISOR FOR THE INSTALLATION, MAINTENANCE, AND REMOVAL OF TRAFFIC CONTROL DEVICES (E.G. BARRICADES, SIGNS, ARROW PANELS, ETC.) AS OUTLINED IN THE FDOT STANDARD SPECIFICATIONS AND THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS.
8. FOR SIDE STREET INTERSECTIONS, LANE CLOSURE SHALL BE LIMITED TO ONE LANE AT ALL TIMES. AT A MINIMUM, ONE-LANE, TWO-WAY OPERATION SHALL BE MAINTAINED THROUGH THE USE OF FLAGGERS.
9. UPON WRITTEN APPROVAL FROM MANATEE COUNTY, THE CONTRACTOR MAY CLOSE TO THROUGH-TRAFFIC THAT PORTION OF SIDE STREETS WITHIN THE LIMITS OF CONSTRUCTION. ACCESS FOR LOCAL TRAFFIC WITH DESTINATIONS WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED.
10. TRAFFIC CONDITIONS, ACCIDENTS AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT OR REMOVE LANE CLOSURE OR CHANNELIZATION. UNDER THESE CONDITIONS, THE CONTRACTOR SHALL RESPOND AND PROVIDE ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY. THE CONTRACTOR SHALL ALSO RESPOND WITHIN THE CONTRAINTS OUTLINED IN THE STANDARD SPECIFICATIONS UPON NOTIFICATION BY THE ENGINEER OF ANY REQUESTS FOR CORRECTION, IMPROVEMENT, OR MODIFICATION TO THE TRAFFIC CONTROL PLAN AND/OR DEVICES. THE COST OF THIS SERVICE SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR MAINTENANCE OF TRAFFIC. THERE ARE NO LANE CLOSURES FOR THE LIMITS OF THE PROJECT.
11. MILLING OPERATIONS SHALL NOT EXCEED MORE THAN WHAT CAN BE RESURFACED WITHIN THE SAME WORK PERIOD.
12. CONTRACTOR SHALL MAINTAIN AND KEEP SIDE ROAD NAME IDENTIFICATION VISIBLE DURING CONSTRUCTION IN ORDER TO FACILITATE EMERGENCY VEHICLE TRAFFIC.
13. MAINTAIN EXISTING SIGNS AS APPLICABLE DURING EACH PHASE AND REMOVE OR COVER THOSE THAT ARE IN CONFLICT WITH TTC PLAN SIGNAGE.
14. FOR TEMPORARY CONSTRUCTION SIGNS LOCATED IN PAVED AREAS, THE CONTRACTOR SHALL PROVIDE TEMPORARY SIGN SUPPORTS WHICH DO NOT PENETRATE THE PAVEMENT.
15. TEMPORARY BLUE BUSINESS SIGNS TO BE INSTALLED AND MAINTAINED JUST PRIOR TO ALTERING EXISTING DRIVEWAYS.
16. EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED BY HIGH PRESSURE WATER OR OTHER NON-DESTRUCTIVE METHODS AS APPROVED BY THE ENGINEER. ALL EXISTING MARKINGS OUTSIDE THE LIMITS OF CONSTRUCTION WHICH ARE REMOVED FOR TTCP PURPOSES SHALL BE REPLACED BEFORE THE COMPLETION OF THE PROJECT.
17. TEMPORARY PAVEMENT SHALL CONSIST OF A MINIMUM OF 6" OF LIMEROCK BASE, PRIME COAT AND 1" OF SUPERPAVE ASPHALTIC CONCRETE. THE BASE LAYER SHALL BE PLACED OVER A FIRM, UNYIELDING, WELL-COMPACTED SUBGRADE. COST OF CONSTRUCTION AND REMOVAL OF TEMPORARY PAVEMENT TO BE INCLUDED IN PAY ITEM 334-1-11, SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC LEVEL A).

ABBREVIATION LEGEND:

- DYRPM = DOUBLE YELLOW REFLECTORIZED PAVEMENT MARKINGS  
 LPB = LOW PROFILE BARRIER (PER FDOT INDEX 102-120)  
 RPM'S = RAISED PAVEMENT MARKERS  
 TTCP = TEMPORARY TRAFFIC CONTROL PLAN  
 WRPM = WHITE REFLECTORIZED PAVEMENT MARKINGS  
 YRPM = YELLOW REFLECTORIZED PAVEMENT MARKINGS

REVISIONS				CHRISTOPHER J. KNOX, P.E. P.E. LICENSE NUMBER 67350 CARDNO, INC. 380 PARK PLACE BOULEVARD, SUITE 300 CLEARWATER, FL 33759	MANATEE COUNTY		<b>TEMPORARY TRAFFIC CONTROL NOTES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY		49
----	----				BAYSHORE ROAD	MANATEE		



**BAYSHORE ROAD - PHASE I**  
**STA. 10+63.70 TO 73+24.37**

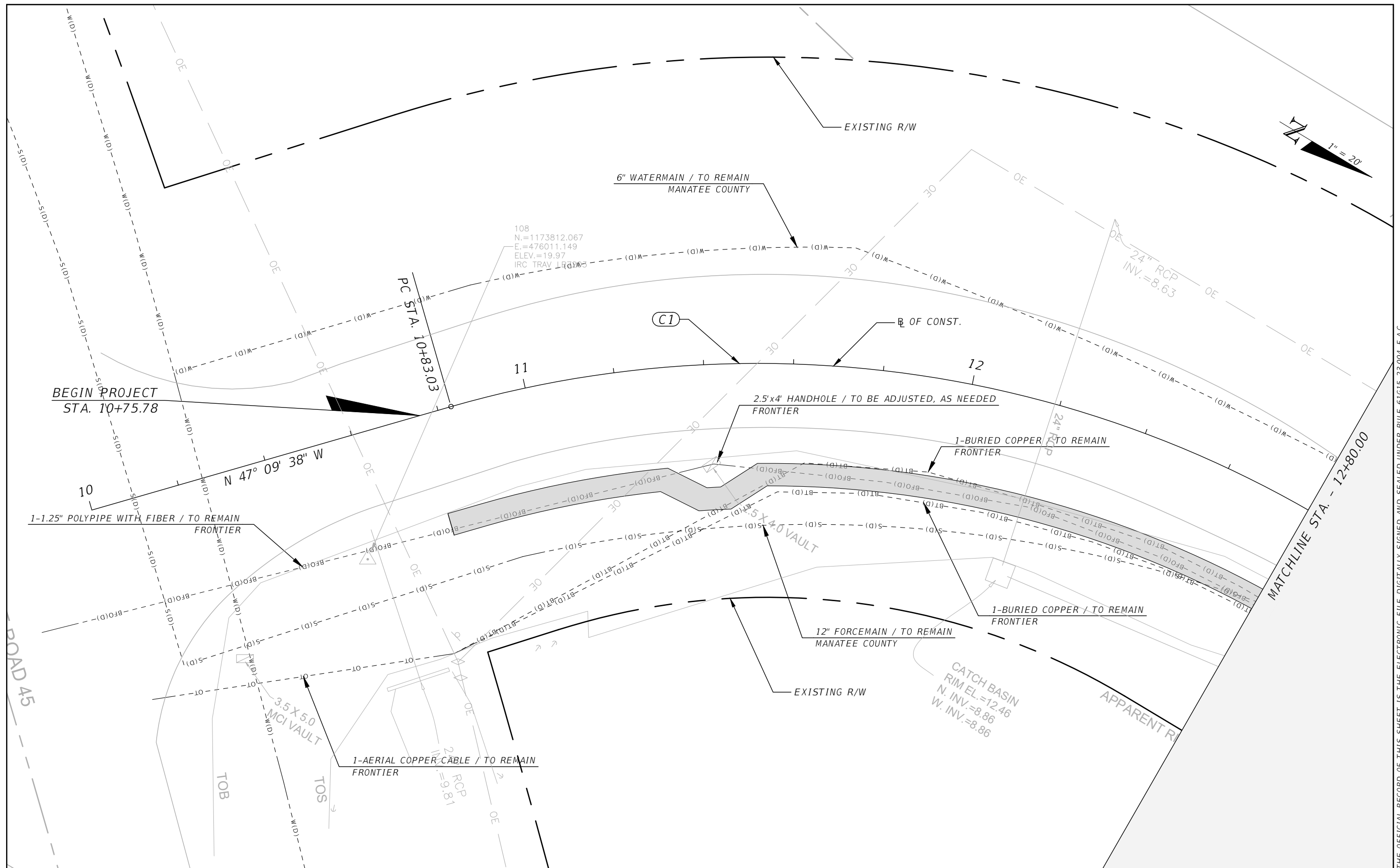
CONSTRUCTION PHASING NOTES

PHASE I

PHASE I OPERATIONS ARE TO MAINTAIN TRAFFIC ON THE EXISTING BAYSHORE ROAD, INSTALL TTC DEVICES ALONG ADJACENT SIDES OF BAYSHORE ROAD TRAVEL LANES, AND TO CONSTRUCT PROPOSED SIDEWALK, SHOULDER, AND GRAVITY WALL.

1. INSTALL ADVANCE WARNING SIGNS AND TRAFFIC CONTROL DEVICES WITH REFERENCE TO FDOT INDEX NO. 102-600.
2. MAINTAIN TWO-LANE, TWO-WAY TRAFFIC ON THE EXISTING FACILITY.
3. EXISTING DRAINAGE FLOW PATTERNS AND CROSS DRAIN FLOW DIRECTIONS ARE TO BE MAINTAINED DURING PHASE I CONSTRUCTION.
4. CONSTRUCT PROPOSED SIDEWALK, SHOULDER, AND GRAVITY WALL.

REVISIONS				CHRISTOPHER J. KNOX, P.E. P.E. LICENSE NUMBER 67350 CARDNO, INC. 380 PARK PLACE BOULEVARD, SUITE 300 CLEARWATER, FL 33759	MANATEE COUNTY		<b>TEMPORARY TRAFFIC CONTROL TYPICAL SECTION</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY		50
---	---	---	---		BAYSHORE ROAD	MANATEE		



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

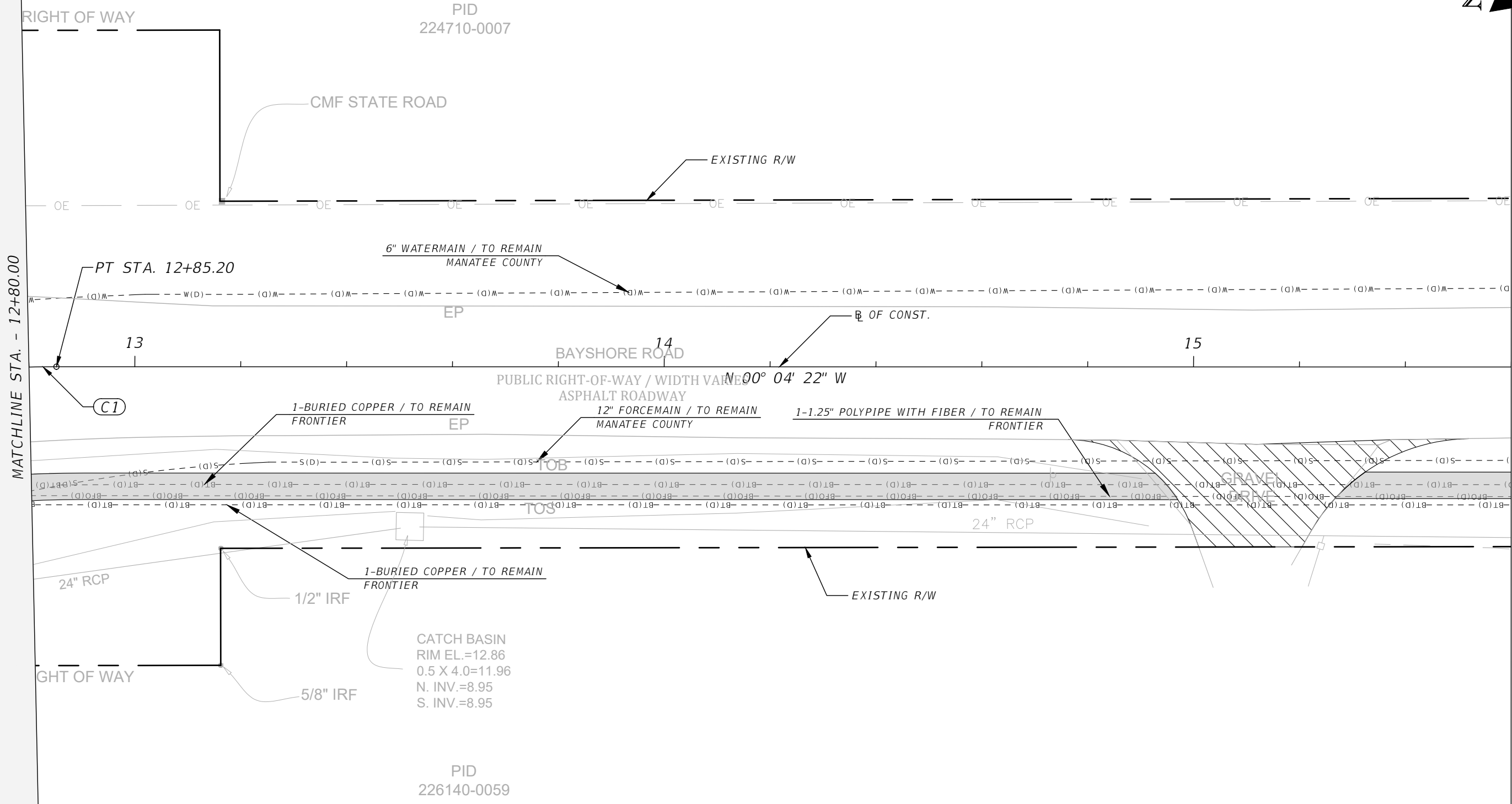
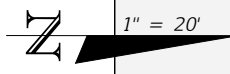
CHRISTOPHER J. KNOX, P.E.  
P.E. LICENSE NUMBER 67350  
CARDNO, INC.  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**UTILITY ADJUSTMENTS (1)**

SHEET NO.  
51

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

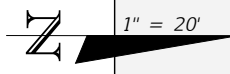
CHRISTOPHER J. KNOX, P.E.  
P.E. LICENSE NUMBER 67350  
CARDNO, INC.  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**UTILITY ADJUSTMENTS (2)**

SHEET NO.  
52

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PID  
224690-0001

107  
N.=1174392.704  
E.=475878.076  
ELEV.=15.03  
IRC TRAV LB7203

CMF  
EXISTING R/W

APPARENT RIGHT OF WAY

6" WATERMAIN / TO REMAIN  
MANATEE COUNTY

LINE OF CONST.

16

17

18

N 00° 04' 22" W

BAYSHORE ROAD  
PUBLIC RIGHT-OF-WAY / WIDTH VARIES  
ASPHALT ROADWAY

1-BURIED COPPER / TO REMAIN  
FRONTIER

12" FORCEMAIN / TO REMAIN  
MANATEE COUNTY

ROCK 0.7X1

ROCK 1X1.7

24" RCP

UNKN 8"

1-BURIED COPPER / TO REMAIN  
FRONTIER

1-1.25" POLYPIPE WITH FIBER / TO REMAIN  
FRONTIER

12"

EXISTING R/W

4' VINYL  
FENCE

CATCH BASIN  
RIM EL.=13.68  
0.5 X 4.0=12.81  
0.5 X 4.0=12.84  
N. INV.=9.08  
S. INV.=9.08

CATCH BASIN  
RIM EL.=13.78  
0.5X4.0 WINDOW=12.86  
N. INV.=9.18  
S. INV.=9.18

CATCH BASIN  
RIM EL.=13.86  
N. INV.=9.26  
S. INV.=9.26

PID  
226140-0050

PID  
226140-

MATCHLINE STA. - 15+60.00

MATCHLINE STA. - 18+40.00

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

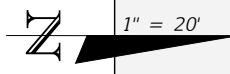
MANATEE COUNTY

ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

UTILITY ADJUSTMENTS (3)

SHEET NO.

53



PID  
224650-0009

IRC ILLEGIBLE

EXISTING R/W

6" WATERMAIN / TO REMAIN  
MANATEE COUNTY

EP  
B OF CONST.

N 00° 04' 22" W

1-BURIED COPPER / TO REMAIN  
FRONTIER

PEDESTAL / TO REMAIN  
FRONTIER

12" FORCEMAIN / TO REMAIN  
MANATEE COUNTY

2'x3' HANDHOLE / TO BE ADJUSTED  
FRONTIER

EXIST. AIR VALVE /  
TO REMAIN

2.0 X 3.0  
VERIZON VAULT

ASPH  
DRIVE

24" RCP

TEL

4' VINYL FENCE

1-1.25" POLYPIPE WITH FIBER / TO REMAIN  
FRONTIER

TOB

EXISTING R/W

NORTH MANATEE  
HEALTHCARE SIGN

AIR STAKE / TO BE ADJUSTED  
FRONTIER

IPF 3/4"

12" RCP  
INV. = 11.12  
1-BURIED COPPER / TO REMAIN  
FRONTIER

CATCH BASIN  
RIM EL.=14.13  
N. INV.=9.43  
S. INV.=9.43

LIFT STATION

PID  
226151-0008

9909

MATCHLINE STA. - 18+40.00

MATCHLINE STA. - 21+20.00

REVISIONS

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

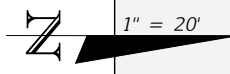
MANATEE COUNTY

ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

UTILITY ADJUSTMENTS (4)

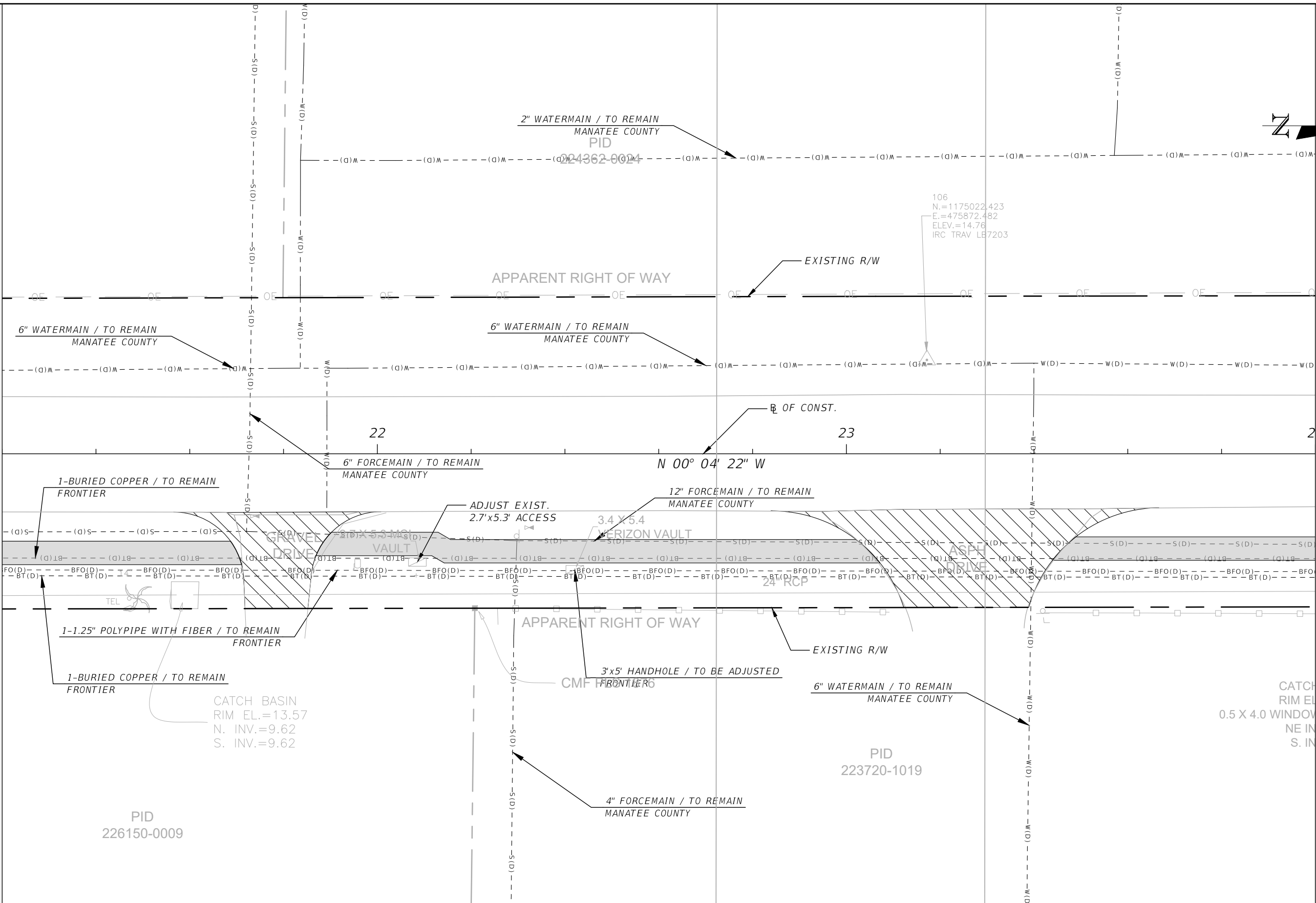
SHEET  
NO.

54



MATCHLINE STA. - 21+20.00

MATCHLINE STA. - 24+00.00



PID  
226150-0009

PID  
223720-1019

CATCH  
RIM EL  
0.5 X 4.0 WINDOW  
NE IN  
S. IN

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

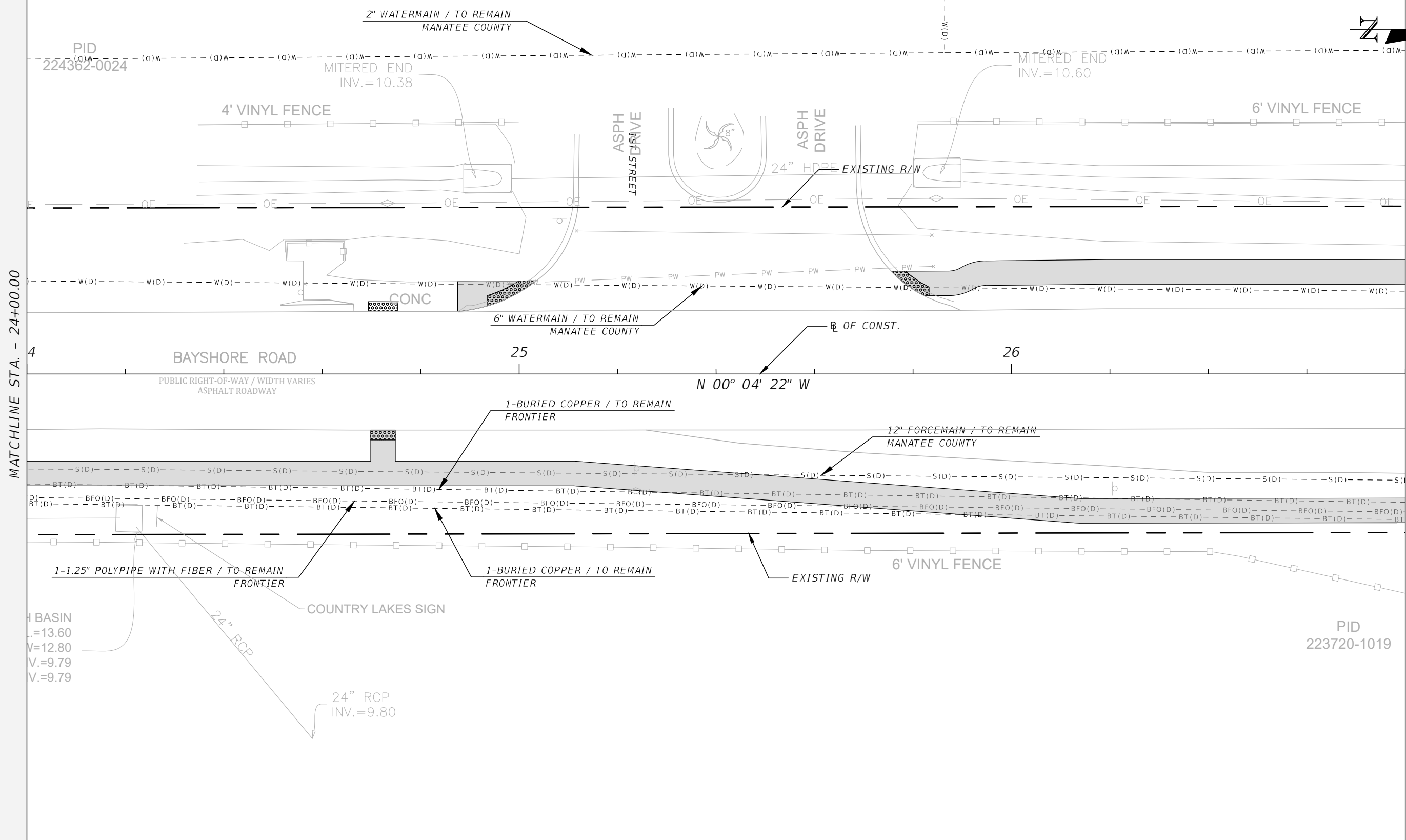
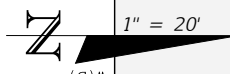
CHRISTOPHER J. KNOX, P.E.  
P.E. LICENSE NUMBER 67350  
CARDNO, INC.  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**UTILITY ADJUSTMENTS (5)**

SHEET NO.  
55

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MATCHLINE STA. - 24+00.00

MATCHLINE STA. - 26+80.00

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

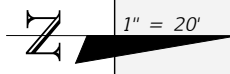
MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**UTILITY ADJUSTMENTS (6)**

SHEET NO.  
56

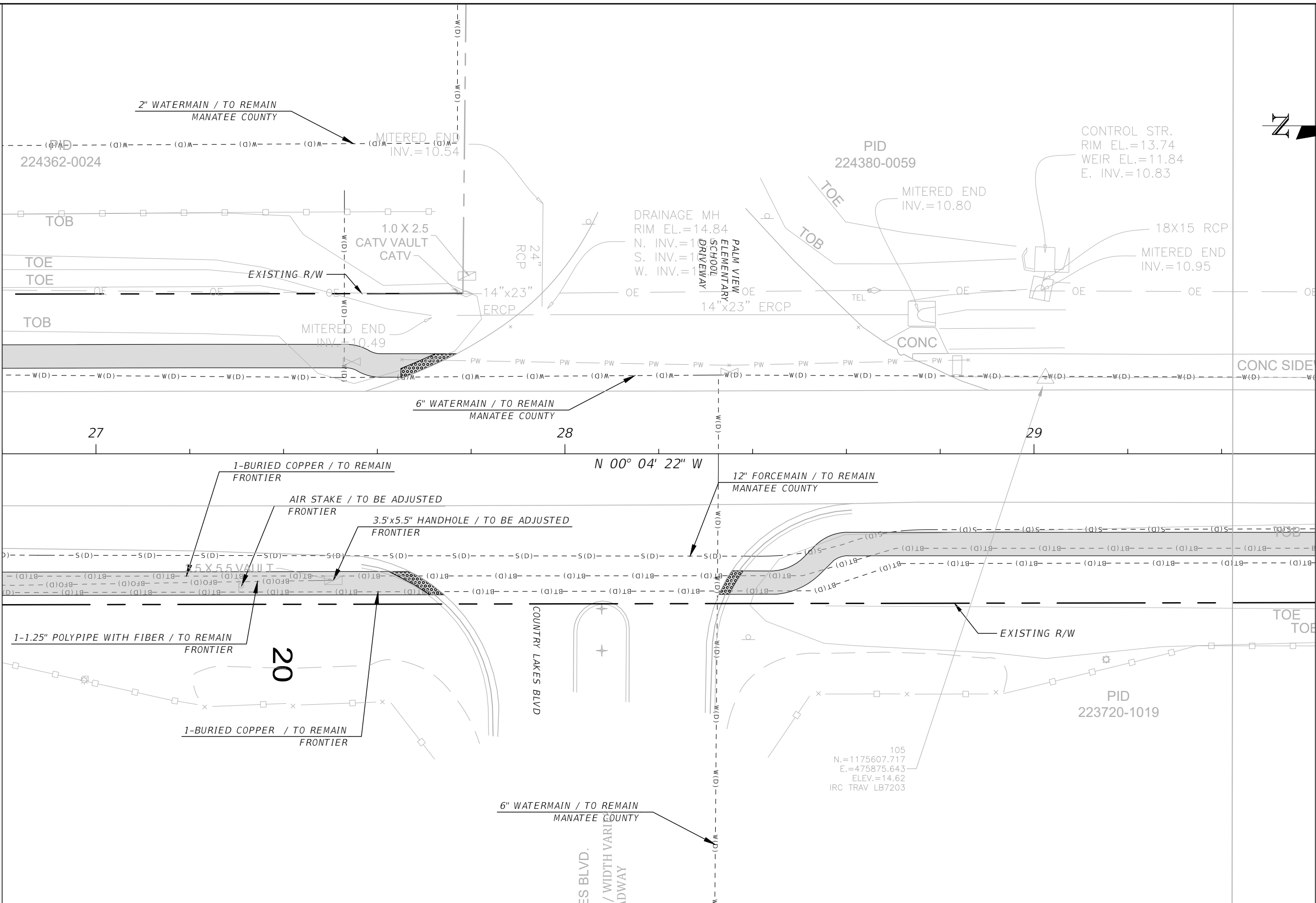
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.





MATCHLINE STA. - 26+80.00

MATCHLINE STA. - 29+60.00



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

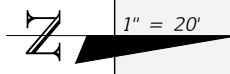
CHRISTOPHER J. KNOX, P.E.  
 P.E. LICENSE NUMBER 67350  
 CARDNO, INC.  
 380 PARK PLACE BOULEVARD, SUITE 300  
 CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**UTILITY ADJUSTMENTS (7)**

SHEET NO.  
57

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PID  
224380-0059

PALM VIEW ELEMENTARY  
SCHOOL DRIVEWAY

ASPH  
DRIVE

CONC SIDEWALK

6" WATERMAIN / TO REMAIN  
MANATEE COUNTY

MATCHLINE STA. - 29+60.00

MATCHLINE STA. - 32+40.00

BAYSHORE ROAD

PUBLIC RIGHT-OF-WAY / WIDTH VARIES  
ASPHALT ROADWAY

N 00° 04' 22" W

1-BURIED COPPER / TO REMAIN  
FRONTIER

12" FORCEMAIN / TO REMAIN  
MANATEE COUNTY

APPARENT RIGHT OF WAY

1-BURIED COPPER / TO REMAIN  
FRONTIER

6' VINYL FENCE

EXISTING R/W

PID  
223720-1019

REVISIONS

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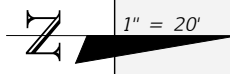
CHRISTOPHER J. KNOX, P.E.  
P.E. LICENSE NUMBER 67350  
CARDNO, INC.  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

UTILITY ADJUSTMENTS (8)

SHEET NO.  
58

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

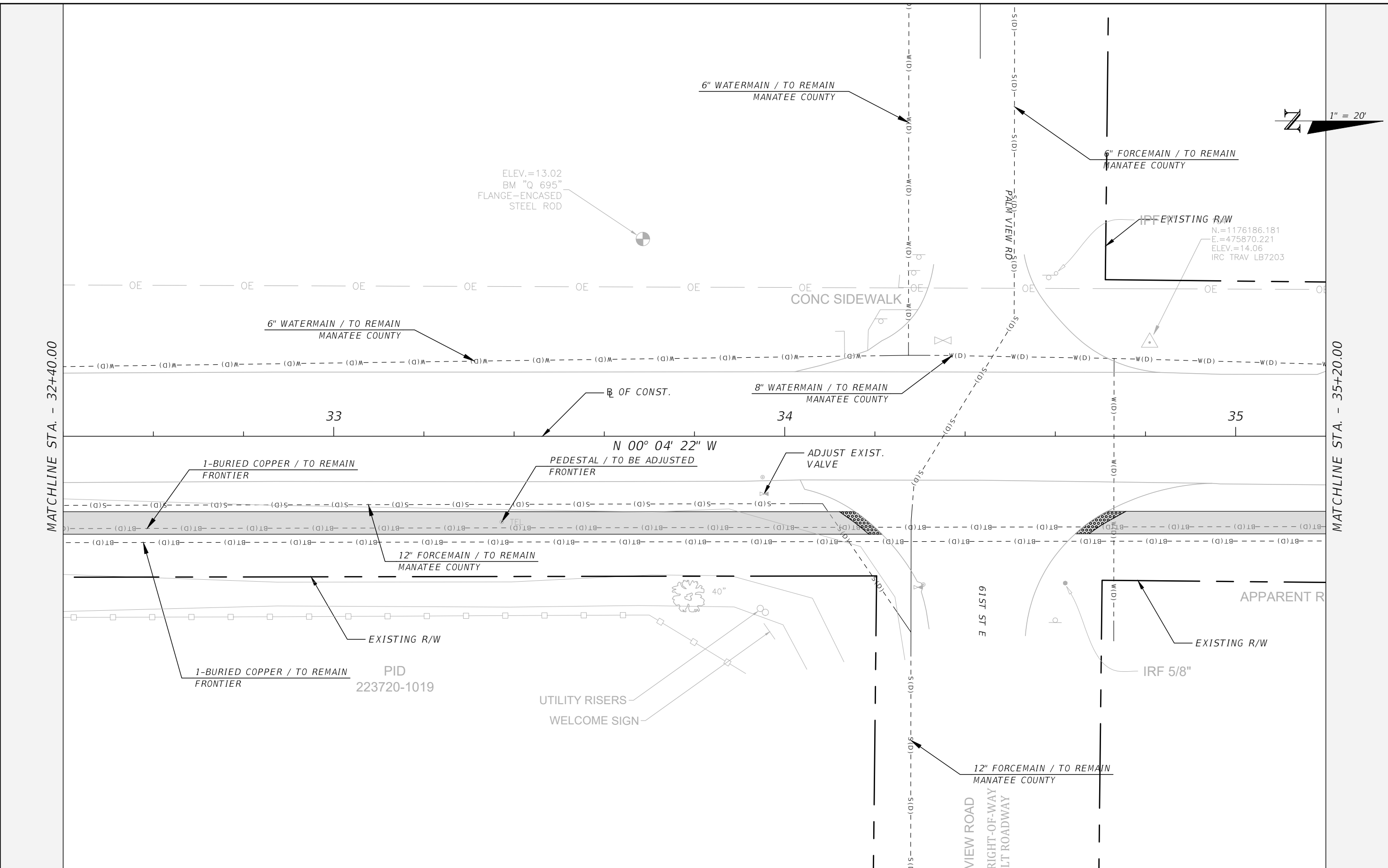


ELEV.=13.02  
 BM "Q 695"  
 FLANGE-ENCASED  
 STEEL ROD

EXISTING R/W  
 N.=1176186.181  
 E.=475870.221  
 ELEV.=14.06  
 IRC TRAV LB7203

MATCHLINE STA. - 32+40.00

MATCHLINE STA. - 35+20.00



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

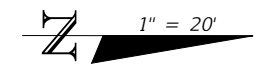
CHRISTOPHER J. KNOX, P.E.  
 P.E. LICENSE NUMBER 67350  
 CARDNO, INC.  
 380 PARK PLACE BOULEVARD, SUITE 300  
 CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**UTILITY ADJUSTMENTS (9)**

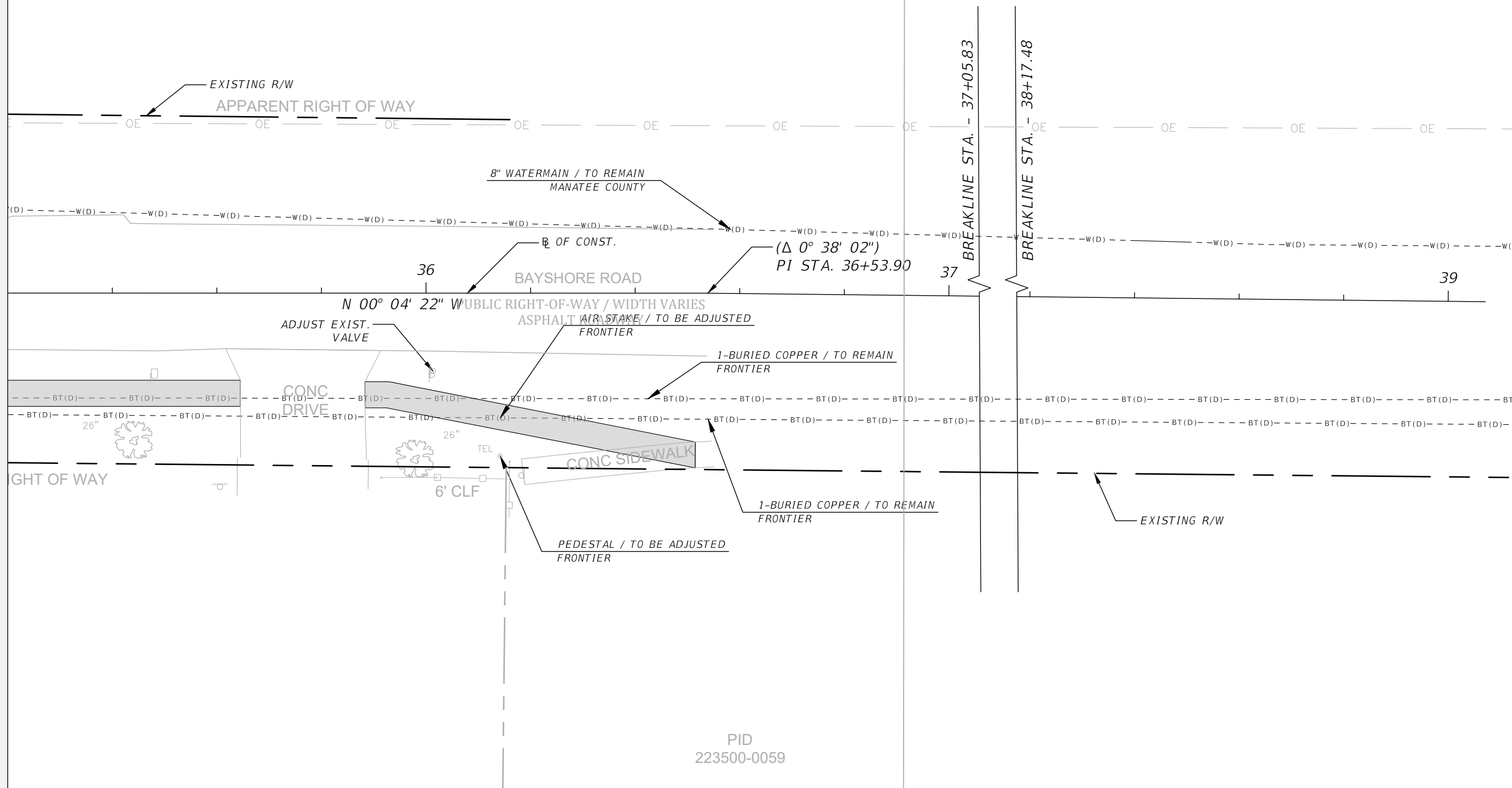
SHEET NO.  
59

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



PID  
224161-0109

MATCHLINE STA. - 35+20.00



PID  
223500-0059

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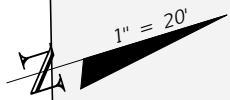
CHRISTOPHER J. KNOX, P.E.  
P.E. LICENSE NUMBER 67350  
CARDNO, INC.  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

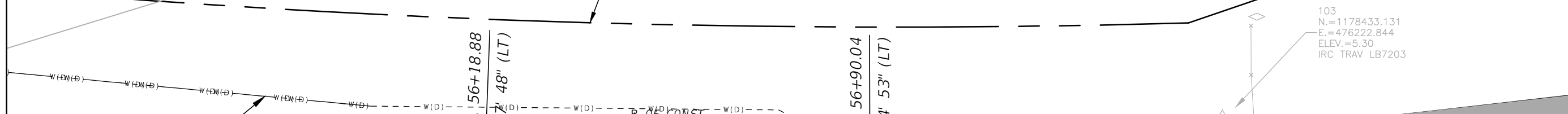
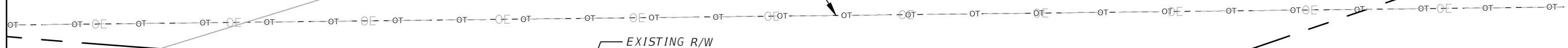
**UTILITY ADJUSTMENTS (10)**

SHEET NO.  
**60**

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1-AERIAL COPPER CABLE / TO REMAIN  
FRONTIER  
PID  
211550-5105



103  
N.=1178433.131  
E.=476222.844  
ELEV.=5.30  
IRC TRAV LB7203

8" WATERMAIN / TO REMAIN  
MANATEE COUNTY  
BAYSHORE ROAD 56  
PUBLIC RIGHT-OF-WAY / WIDTH VARIES  
ASPHALT ROADWAY  
N 20° 41' 24" E

PI STA. 56+18.88  
Δ 2° 47' 48" (LT)

N 17° 53' 35" E

PI STA. 56+90.04  
Δ 1° 54' 53" (LT)

57

WATER VALVE / TO BE ADJUSTED

58

N 15° 58' 42" E

WATER VALVE / TO BE ADJUSTED

1.25" BURIED TELEPHONE /  
TO BE ADJUSTED  
VERIZON

36" RCP  
INV.=0.52

S-1

S-2



CONC SIDEWALK

PID  
223500-0059

(3) 36" BUSHES

MATCHLINE STA. - 58+20.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

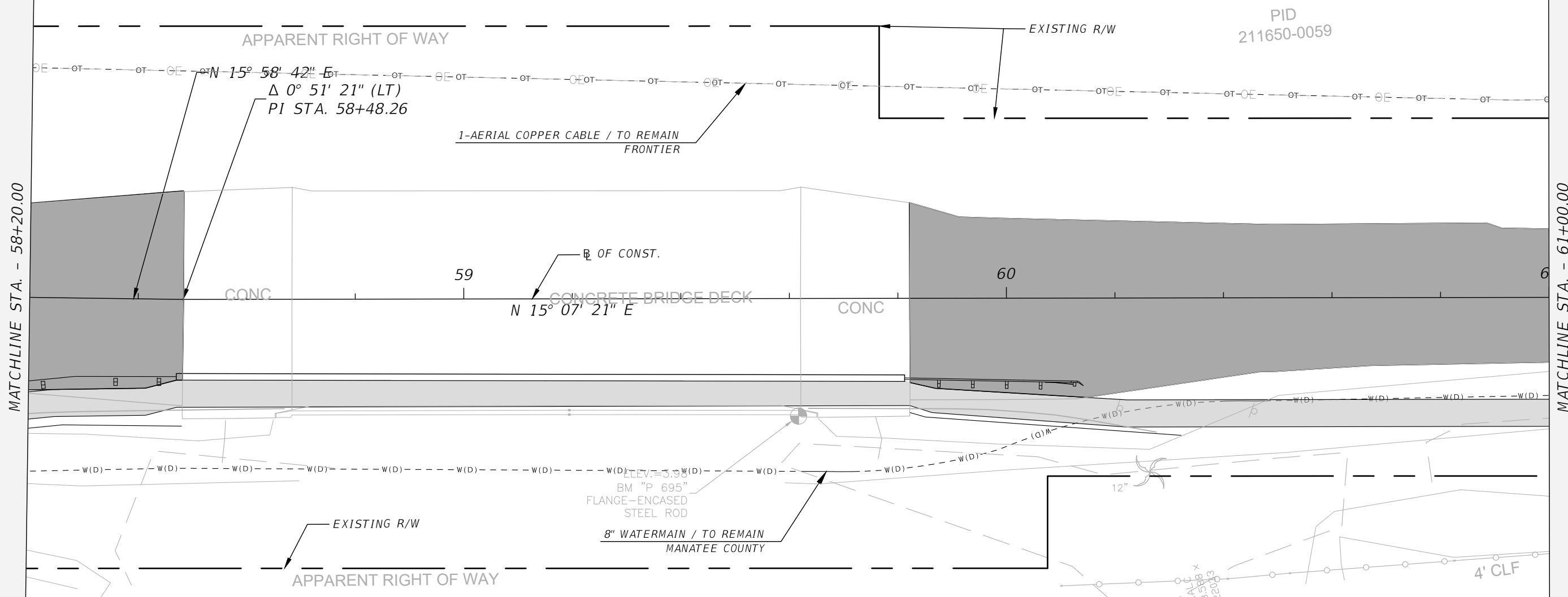
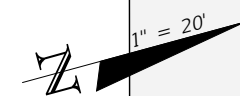
CHRISTOPHER J. KNOX, P.E.  
P.E. LICENSE NUMBER 67350  
CARDNO, INC.  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

UTILITY ADJUSTMENTS (11)

SHEET NO.
61

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



MATCHLINE STA. - 58+20.00

MATCHLINE STA. - 61+00.00

PID  
211650-0059

PID  
211620-0059

ELEV. = 3.98'  
BM "P 695"  
FLANGE-ENCASED  
STEEL ROD  
8" WATERMAIN / TO REMAIN  
MANATEE COUNTY

CALL  
13.588 x  
22003

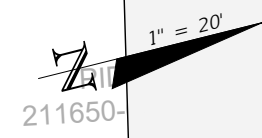
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

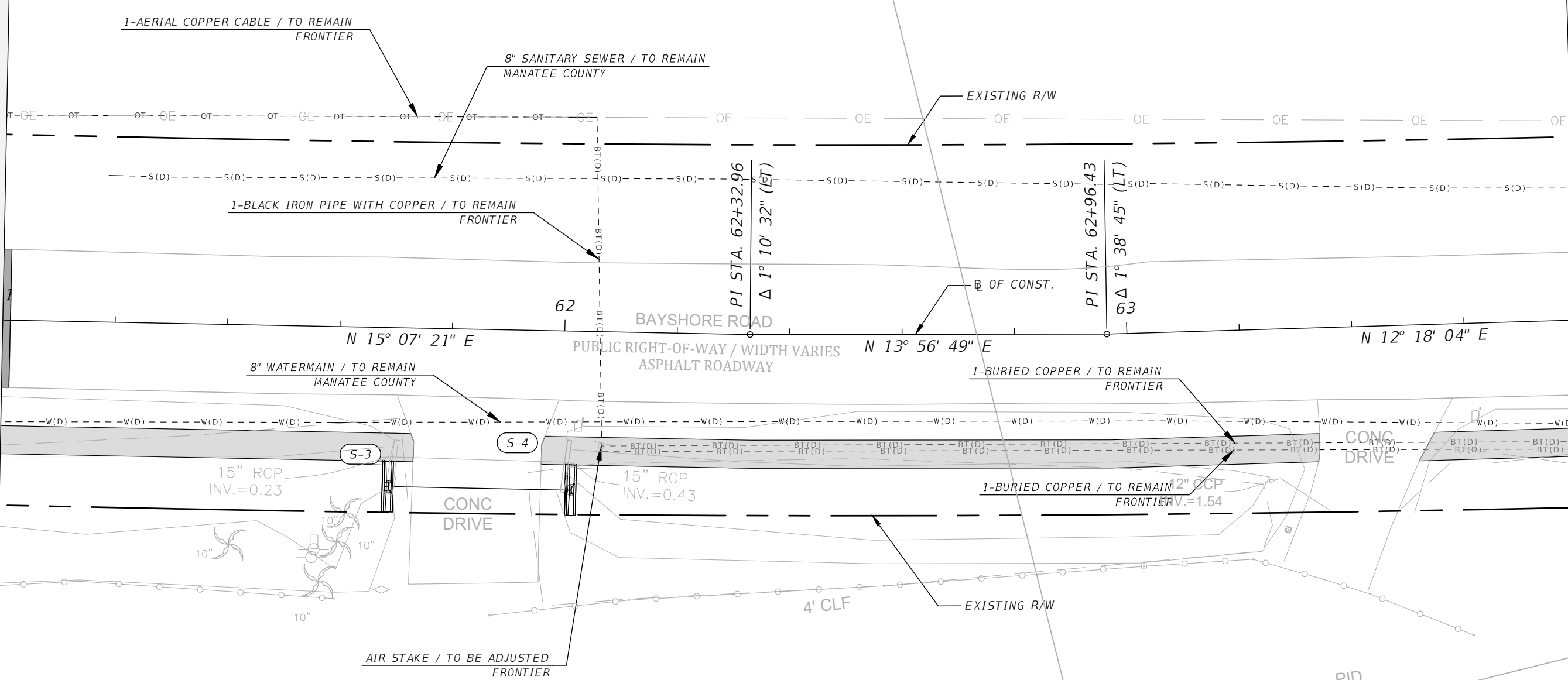
**UTILITY ADJUSTMENTS (12)**

SHEET NO.  
**62**



MATCHLINE STA. - 61+00.00

MATCHLINE STA. - 63+80.00



REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

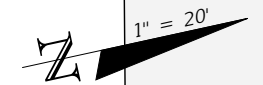
CHRISTOPHER J. KNOX, P.E.  
P.E. LICENSE NUMBER 67350  
CARDNO, INC.  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**UTILITY ADJUSTMENTS (13)**

SHEET NO.
63

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



0059

8" SANITARY SEWER / TO REMAIN  
MANATEE COUNTY

PID  
211650-0059

102  
N.=1179073.183  
E.=476389.288  
S(D)-FLV=3.77  
IRC TRAV LB7203

N 11° 48' 43"

PI STA. 66+53.52  
Δ 0° 29' 21" (LT)

MATCHLINE STA. - 63+80.00

64

65

66

N 12° 18' 04" E

OF CONST.

1-BURIED COPPER CABLE / TO REMAIN  
FRONTIER

AIR STAKE / TO BE RELOCATED  
FRONTIER

58" IRF FDC  
LB 6707

8" WATERMAIN / TO REMAIN  
MANATEE COUNTY

MAINTAINED RIGHT OF WAY

1-BURIED COPPER CABLE / TO REMAIN  
FRONTIER

PLAT RIGHT OF WAY PER LEO MILLS  
SURVEY DATED 11/20/2002 JOB# C-2345

EXISTING R/W  
PID  
210350-0001

6" WATERMAIN / TO REMAIN  
MANATEE COUNTY

8" SANITARY SEWER / TO REMAIN  
MANATEE COUNTY

69th Street Court E.

PID  
210340-0059

TOB

MATCHLINE STA. - 66+60.00

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

UTILITY ADJUSTMENTS (14)

SHEET NO.

64





PID  
211650-0059

101  
N.=1179570.118  
E.=476493.894  
ELEV.=4.68  
IRC TRAV LB7203

MATCHLINE STA. - 66+60.00

MATCHLINE STA. - 69+40.00



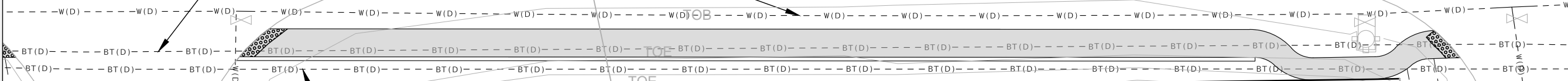
BAYSHORE ROAD

PUBLIC RIGHT-OF-WAY / WIDTH VARIES  
ASPHALT ROADWAY

N 11° 48' 43" E

1-BURIED COPPER CABLE / TO REMAIN  
FRONTIER

8" WATERMAIN / TO REMAIN  
MANATEE COUNTY



1-BURIED COPPER CABLE / TO REMAIN  
FRONTIER

PID  
210400-0059

PID  
209670-0055

15" RCP  
INV.=1.24

DRAINAGE MH  
RIM EL.=4.99  
S. INV.=0.99  
E. INV.=0.84

6" WATERMAIN / TO REMAIN  
MANATEE COUNTY

6" WATERMAIN / TO REMAIN  
MANATEE COUNTY

70th Street Court E.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

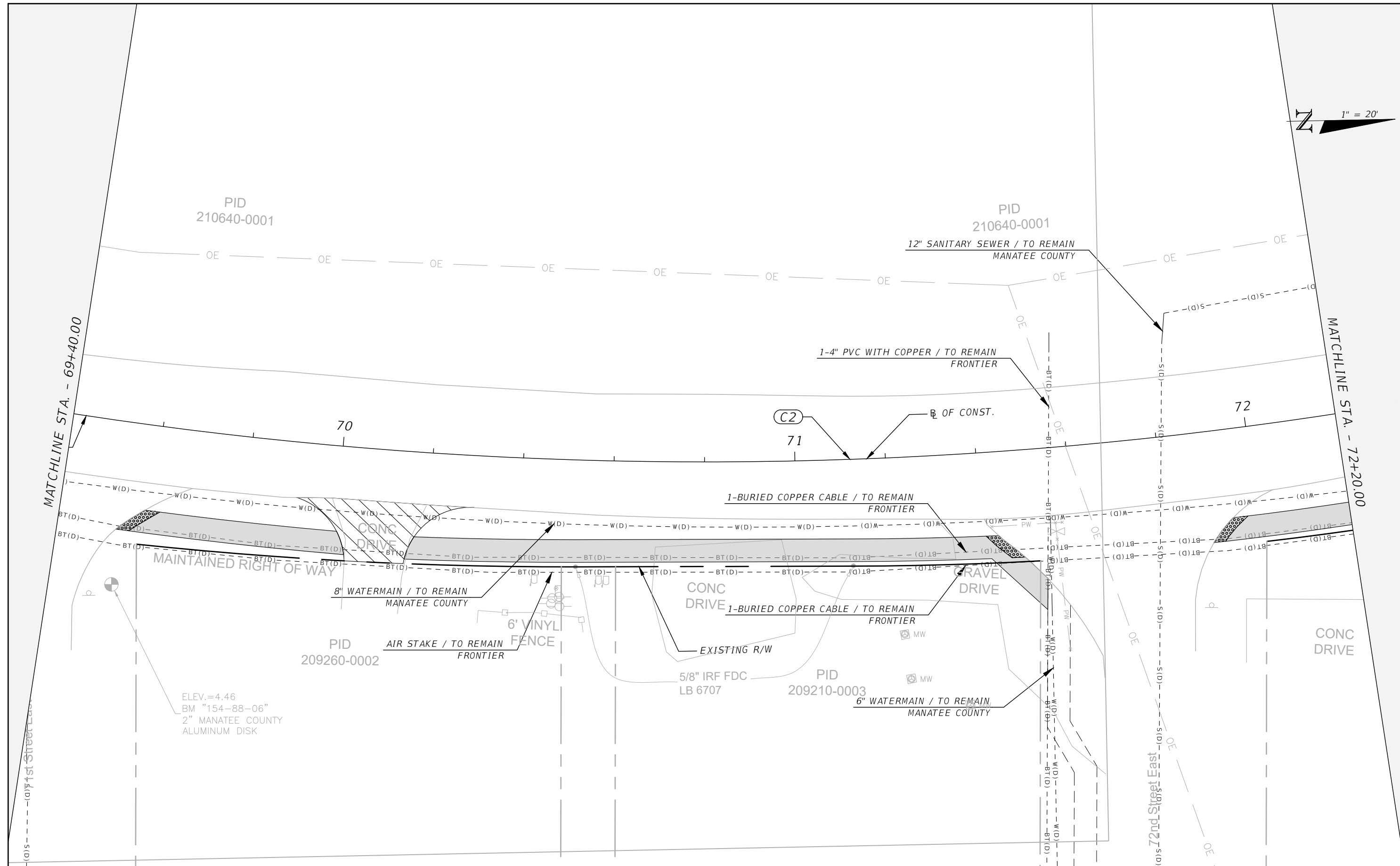
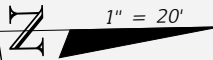
CHRISTOPHER J. KNOX, P.E.  
P.E. LICENSE NUMBER 67350  
CARDNO, INC.  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

**UTILITY ADJUSTMENTS (15)**

SHEET NO.
65

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MAINTAINED RIGHT OF WAY

ELEV.=4.46  
BM "154-88-06"  
2" MANATEE COUNTY  
ALUMINUM DISK

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

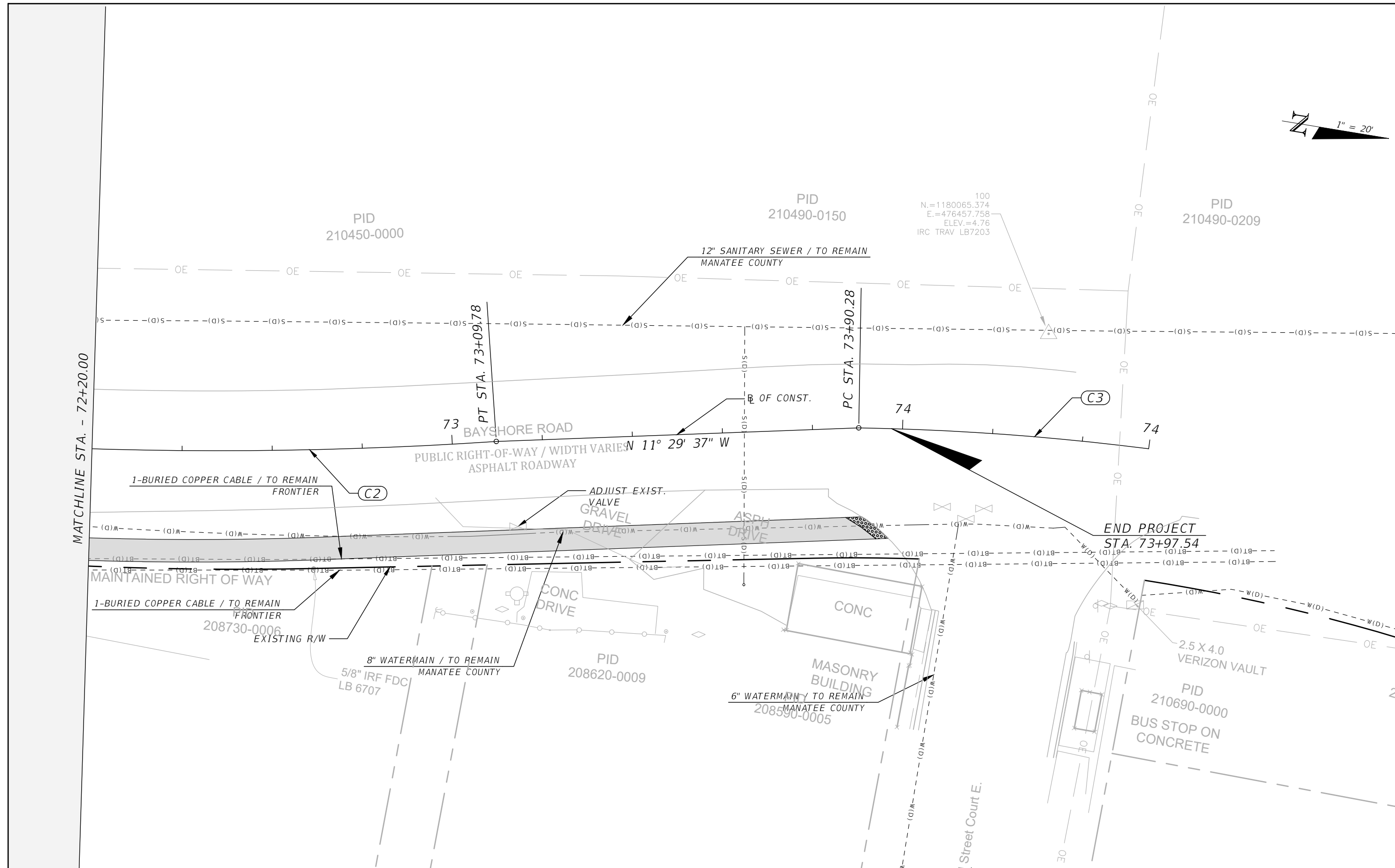
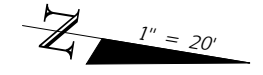
CHRISTOPHER J. KNOX, P.E.  
P.E. LICENSE NUMBER 67350  
CARDNO, INC.  
380 PARK PLACE BOULEVARD, SUITE 300  
CLEARWATER, FL 33759

MANATEE COUNTY	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

UTILITY ADJUSTMENTS (16)

SHEET NO.  
66

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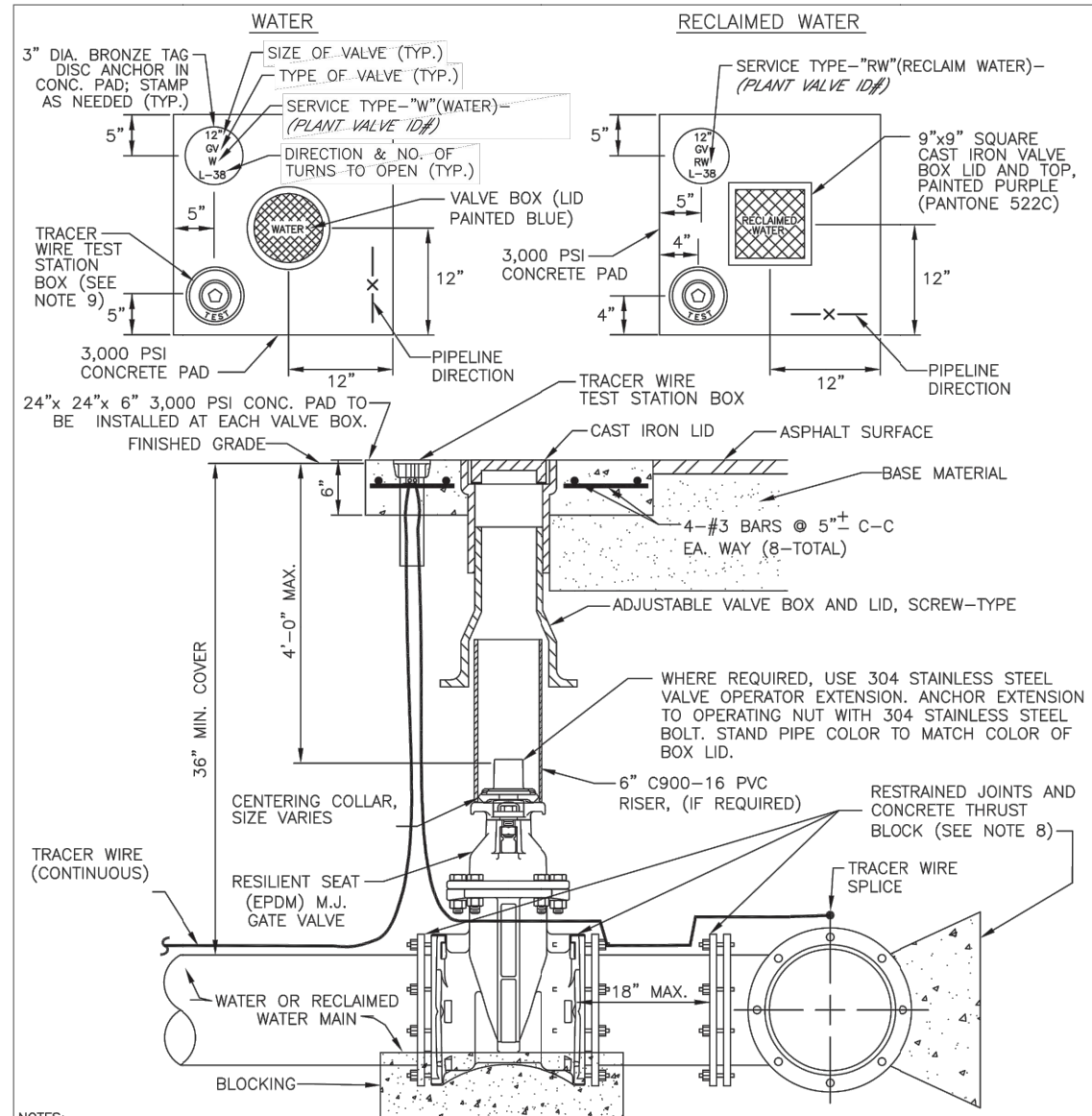
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

UTILITY ADJUSTMENTS (17)

SHEET NO.  
67



- NOTES:
- "WV" or "RWV" to be impressed into the newly-poured concrete curb, along with distance in feet to the valve. If no curb, install a blue disc with "WV" or purple disc with "RWV" using a 1/8" x 1" galvanized steel screw in the edge of pavement with the footage from the disc to the valve.
  - ALL EXISTING AND PROPOSED VALVE BOXES SHALL BE ADJUSTED TO FINISHED GRADES AS DETERMINED IN THE FIELD.
  - VALVES SHALL NOT BE PLACED IN HANDICAPPED RAMPS, CURBS, OR GUTTERS.
  - PRECAST CONCRETE PADS SHALL NOT BE USED.
  - ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1/2".
  - PIPELINE DIRECTION TO BE IMPRESSED INTO NEWLY POURED CONCRETE PAD.
  - TRACER WIRE TEST STATION BOX IS NOT REQUIRED IN VALVE BOX PAD IF THE GATE VALVE IS LOCATED WITHIN 200 FEET OF A WATER SERVICE, BLOW-OFF, BACKFLOW PREVENTER OR FIRE HYDRANT THAT HAS A TRACER WIRE BOX.
  - WHERE THRUST BLOCK NOT USED, RESTRAINED JOINTS MUST THEN EXTEND FROM TEE FULL LENGTH SPECIFIED FOR "TEES."
  - USE NON-TRAFFIC RATED BOXES FOR NORMAL YARD SERVICE. WHERE VALVE WILL BE IN STREET OR PARKING UNDER VEHICLE TRAFFIC, USE TRAFFIC RATED BOXES. WHERE POSSIBLE, LOCATE TRACE WIRE TESTING STATION OUTSIDE OF TRAVEL LANE OR IN MEDIAN, CENTERED IN SEPARATE CONCRETE PAD SIMILAR TO STANDARD VALVE BOX PAD.
  - THE BRASS TAG SHALL HAVE A "PLANT VALVE ID#" WHEN VALVES ARE INSTALLED WITHIN THE COUNTY TREATMENT PLANT LIMITS. THE PLANT VALVE ID# SHALL BE SHOWN ON THE CONSTRUCTION PLANS AND RECORD DRAWINGS.
  - REFER TO SECTION 1.11 GATE VALVES IN THE PUBLIC WORKS UTILITY STANDARDS MANUAL FOR FURTHER DETAILS.

<b>MANATEE COUNTY</b> PUBLIC WORKS DEPARTMENT		GATE VALVE, BOX, LID AND TAG	UW-2
REV. BY	DATE		
		DATE OF APPROVAL	

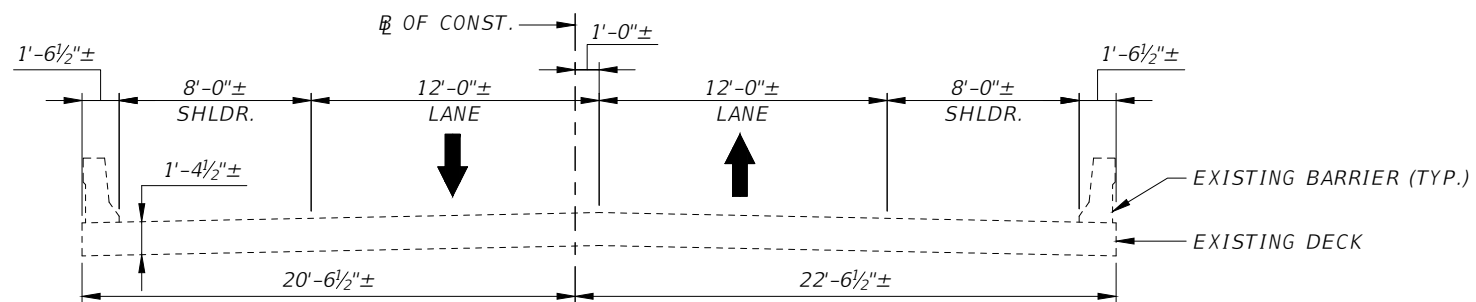
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

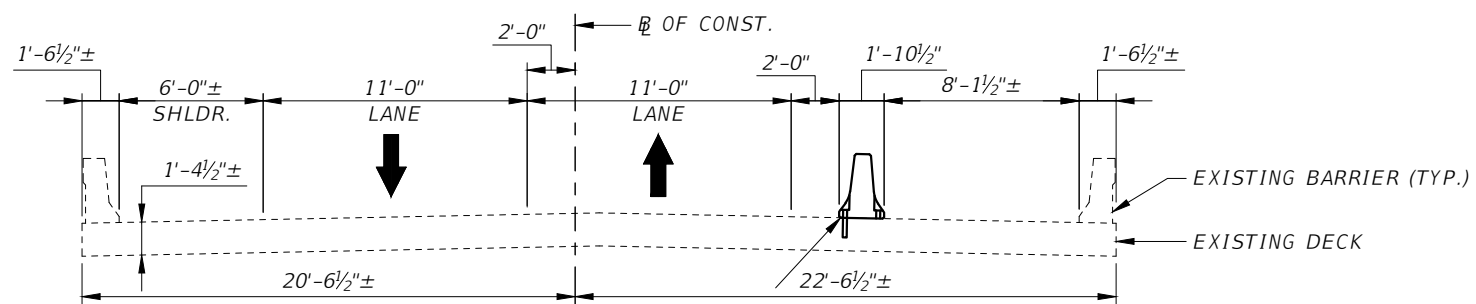
<b>MANATEE COUNTY</b>	
ROAD NO.	COUNTY
BAYSHORE ROAD	MANATEE

<i>UTILITY DETAILS</i>	
SHEET NO.	
68	

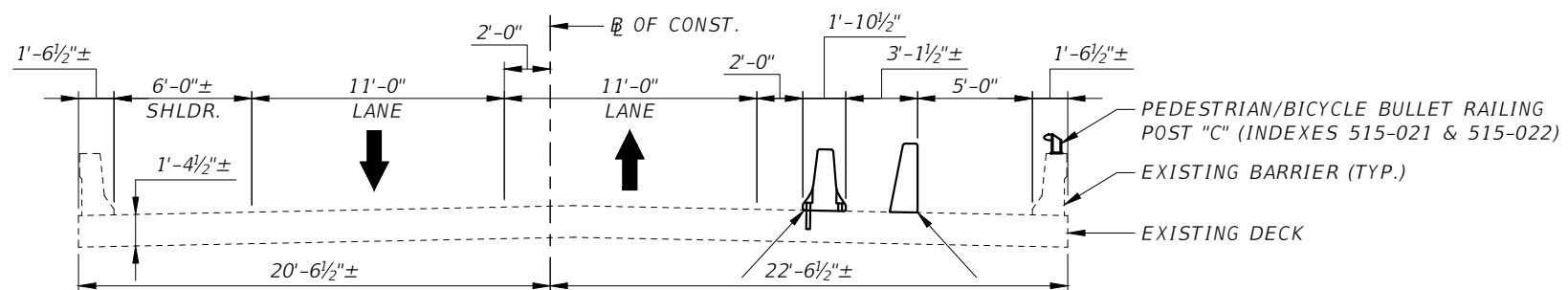
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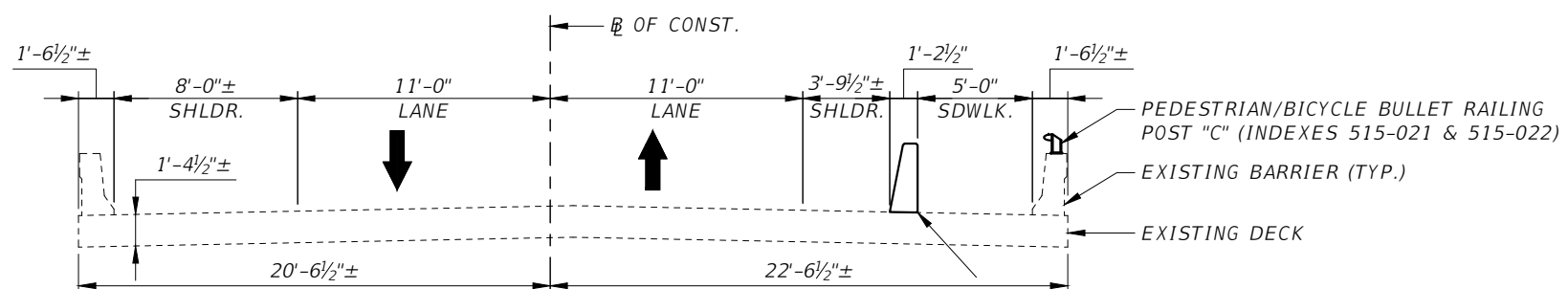
EXISTING TYPICAL SECTION



PHASE IA CONSTRUCTION SEQUENCE



PHASE IB CONSTRUCTION SEQUENCE



FINAL TYPICAL SECTION

PHASE IA NOTES:

1. REMOVE EXISTING ROADWAY LANE STRIPING
2. INSTALL TEMPORARY ROADWAY LANE STRIPING
3. INSTALL TEMPORARY TRAFFIC BARRIER WITH ADHESIVE BONDED ANCHORS

PHASE IB NOTES:

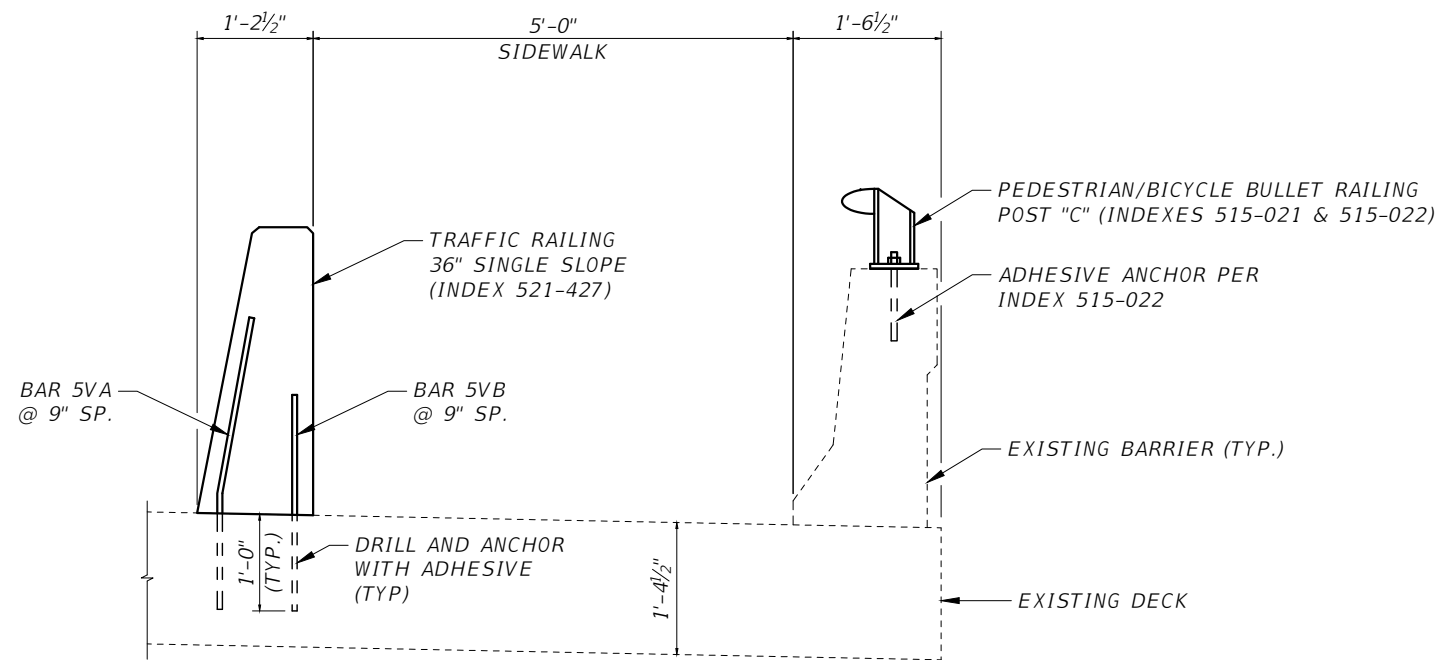
1. INSTALL SINGLE-SLOPE TRAFFIC BARRIER
2. INSTALL BULLET RAILING ON EXISTING BARRIER

NOTES:

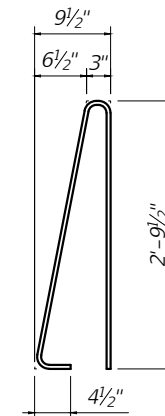
1. REMOVE TEMPORARY BARRIER AND REPAIR HOLES FROM ADHESIVE ANCHOR BOLT
2. REMOVE TEMPORARY ROADWAY STRIPING
3. INSTALL FINAL ROADWAY STRIPING
4. INSTALL REFLECTORS

BRIDGE NO. 134091

REVISIONS				CHRISTOPHER P. GAMACHE, P.E. P.E. LICENSE NUMBER 82122 CARDNO, INC. 380 PARK PLACE BOULEVARD, SUITE 300 CLEARWATER, FL 33759	MANATEE COUNTY		CONSTRUCTION SEQUENCE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY		
					BAYSHORE ROAD	MANATEE		69

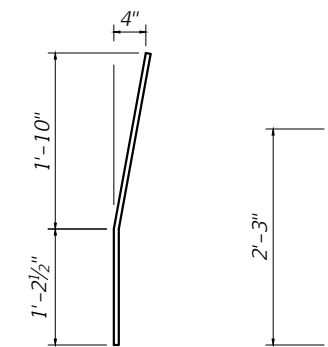


**BARRIER DETAILS**



**STIRRUP BAR 4PA**

BAR 4PA REPLACES BAR 4P AT SAME SPACING



**BAR 5VA**

**BAR 5VB**

BARS 5VA & 5VB REPLACE BAR 4V AT MODIFIED SPACING

**REINFORCING STEEL BENDING DIAGRAMS**

**NOTES:**

1. INSTALL ADHESIVE ANCHOR BOLTS AND DOWELS IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS SECTION 416. THE INSTALLATION OF ADHESIVE ANCHORS ARE CONSIDERED INCIDENTAL TO THE ASSOCIATED ITEM.
2. CONSTRUCT TRAFFIC RAILING, 36" SINGLE SLOPE, IN ACCORDANCE WITH INDEX 521-427 EXCEPT AS MODIFIED HEREIN. ALL MODIFICATIONS ARE CONSIDERED INCIDENTAL TO THE TRAFFIC RAILING ITEM.

**BRIDGE NO. 134091**

REVISIONS				CHRISTOPHER P. GAMACHE, P.E. P.E. LICENSE NUMBER 82122 CARDNO, INC. 380 PARK PLACE BOULEVARD, SUITE 300 CLEARWATER, FL 33759	MANATEE COUNTY		<b>DETAILS</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY		
----	----					BAYSHORE ROAD		MANATEE