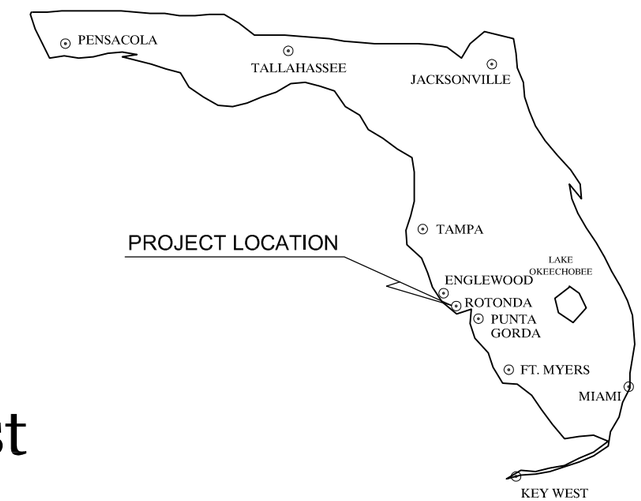
CHARLOTTE COUNTY PUBLIC WORKS
ENGINEERING DIVISION

PLANS OF PROPOSED

Sidewalk Design
Placida Road

Cape Haze Drive to Rotonda Boulevard West

COUNTY PROJECT NO. 09-177



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5	TYPICAL SECTIONS & GENERAL NOTES
6 & 7	STANDARDS & DETAILS
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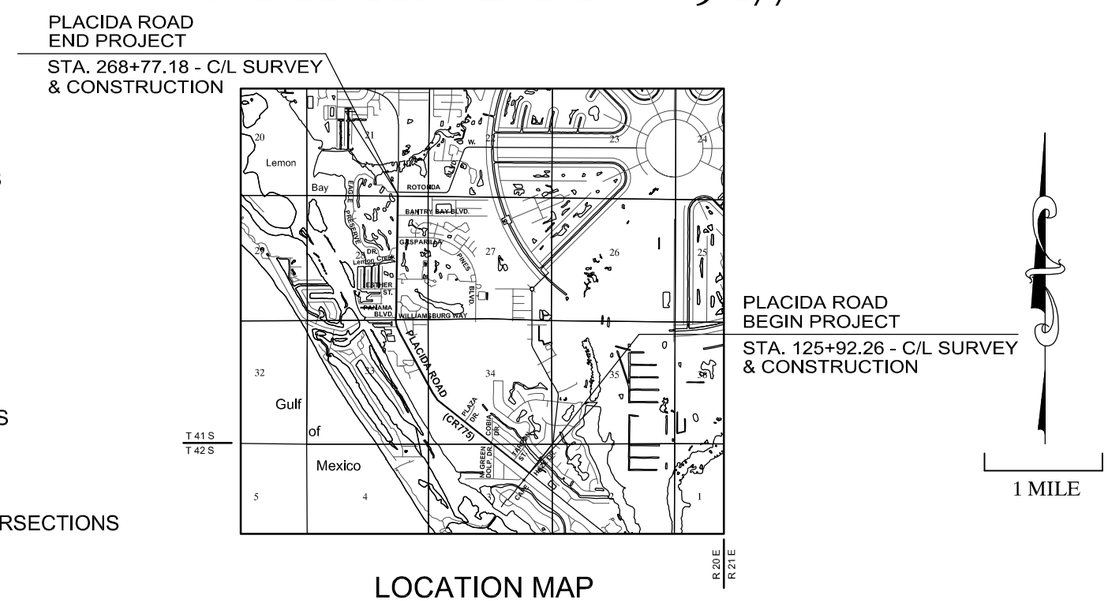

LOCATION MAP

GOVERNING SPECIFICATIONS:
STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS, DATED 2015, AND SUPPLEMENTS THERETO AS NOTED IN THE SPECIAL PROVISIONS FOR THIS PROJECT.

CHARLOTTE COUNTY
BOARD OF COUNTY COMMISSIONERS

DISTRICT 1 - KEN DOHERTY
DISTRICT 2 - CHRIS CONSTANCE
DISTRICT 3 - BILL TRUEX
DISTRICT 4 - STEPHEN R. DEUTSCH
DISTRICT 5 - TRICIA DUFFY

DIRECTOR OF PUBLIC WORKS
DANNY QUICK, P.E.

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING
410 TAYLOR STREET, UNIT 104
PUNTA GORDA, FLORIDA 33950
(941) 575-3600

48 HOURS BEFORE DIGGING
" CALL SUNSHINE "
1-800-432-4770

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. NOTE THAT THESE PLANS ARE SCALED FOR FULL SIZE (22"x34") SHEETS: 1"=20', UNLESS OTHERWISE SPECIFIED.

100% PLANS

ENGINEERING CERTIFICATION

I HEREBY CERTIFY THAT THE DESIGN OF THIS PROJECT UNDER MY DIRECTION COMPLIES WITH THE CURRENT MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION, AND MAINTENANCE FOR STREETS AND HIGHWAYS AS ADOPTED BY THE F.D.O.T. PURSUANT TO SUBSECTION 336.045 OF THE FLORIDA STATUTES.

DATE

A. J. WICKERSON, P.E. NO. 58397

GWE GIFFELS-WEBSTER ENGINEERS, INC.
Certificate of Authorization No. 3607

900 Pine Street, Suite 225
Englewood, Florida 34223
Phone (941)475-7981
Fax (941)474-4285

GWE PROJ. NO. 5955.20
SHEET 01
APRIL 2016

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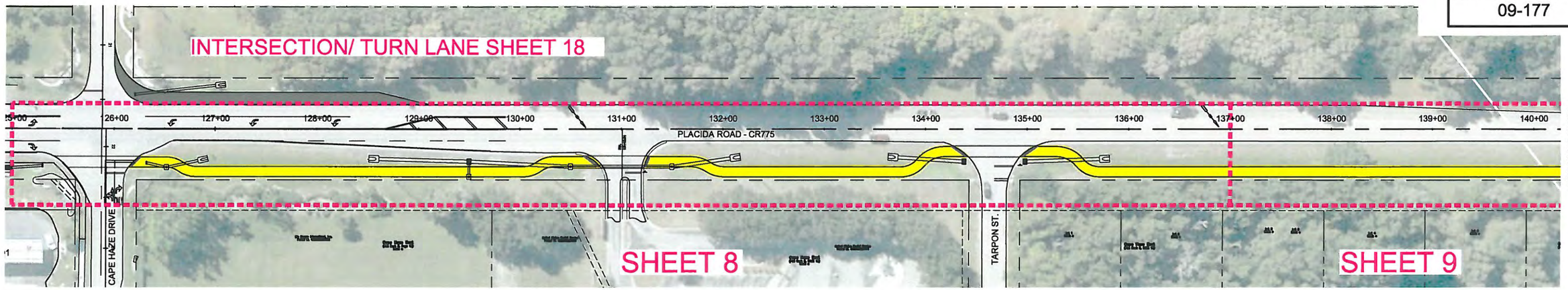
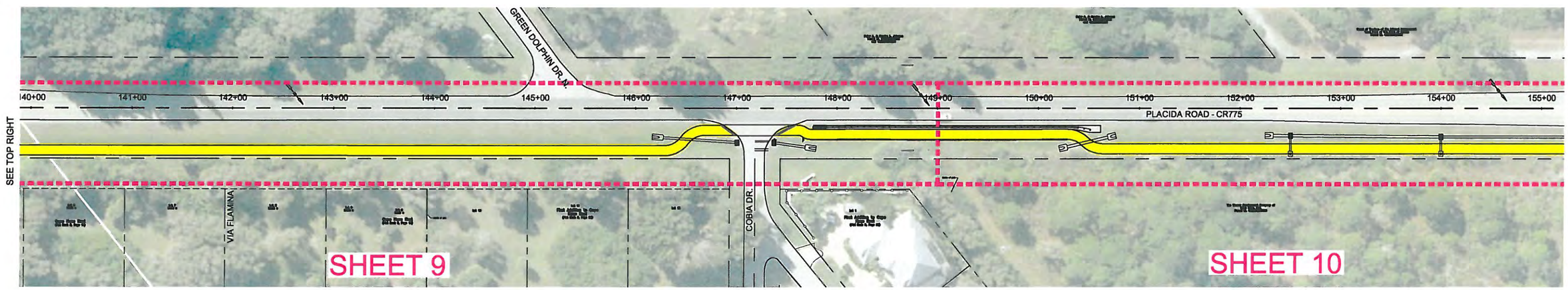
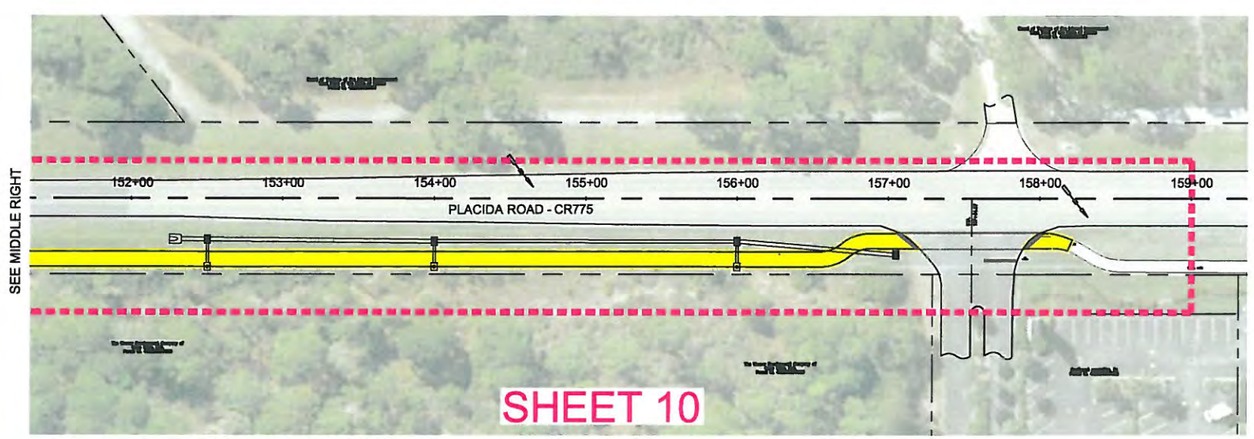
COUNTY PROJECT NUMBER
09-177







DATE	REVISION	BY	DATE	REVISION	BY
6/17/14	30% COMMENTS	AJW			
10/22/14	60% COMMENTS	KEF			
3-16-16	90% COMMENTS	CVO			

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Fax (941)474-4285

DATE 11/22/13	CKD. BY	DATE
DRAWN CVO	JHC	12/13
DESIGN AJW	JHC	12/13
SECS. 03/42S/20E & 28,33,34/41S/20E		

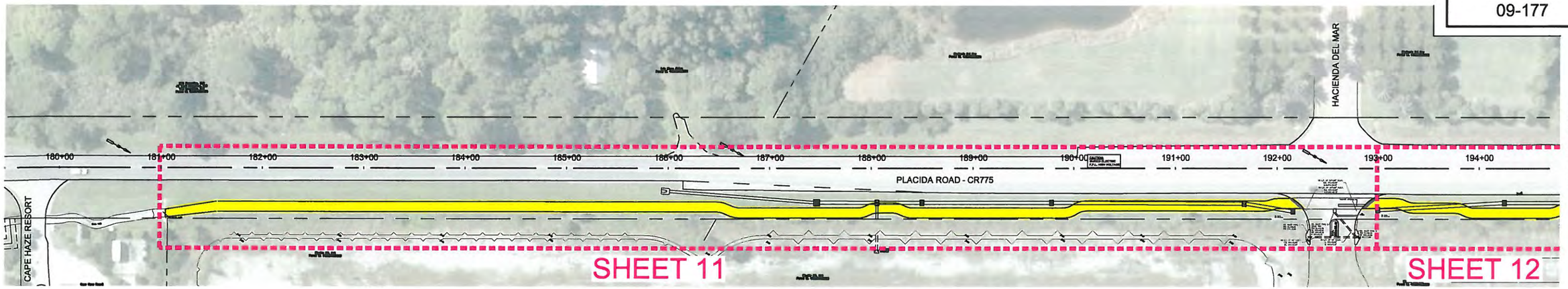
CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

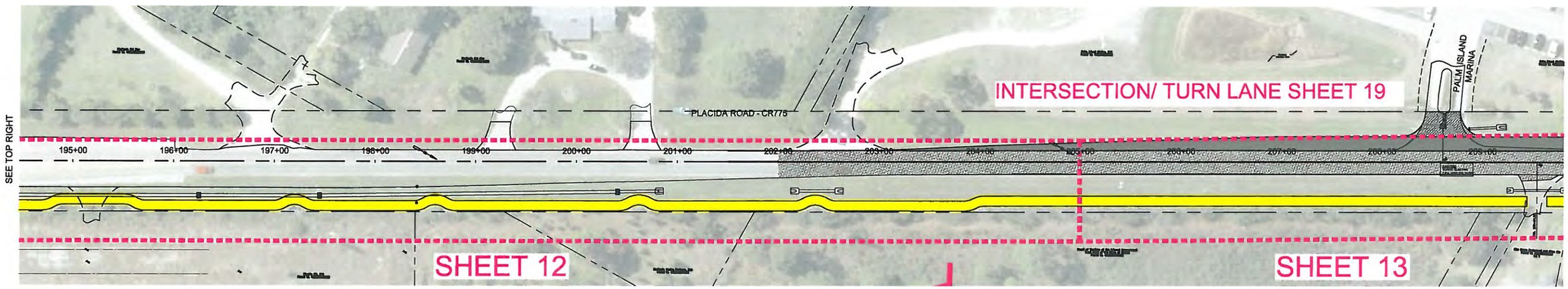
Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
AERIAL PLAN

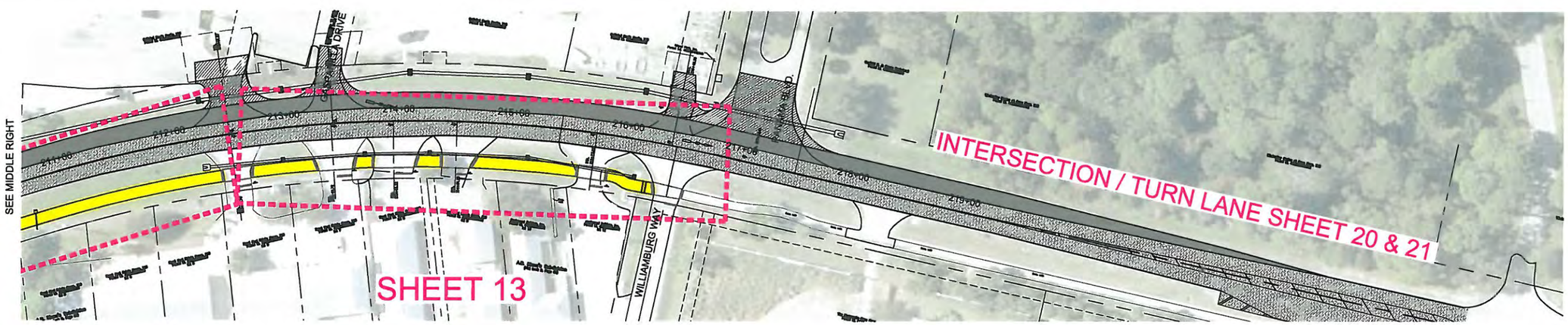
SCALE 1"= 50'
SHEET 2 of 23
GWE NO. 5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

COUNTY PROJECT NUMBER
09-177







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ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
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SCALE 1"= 50'
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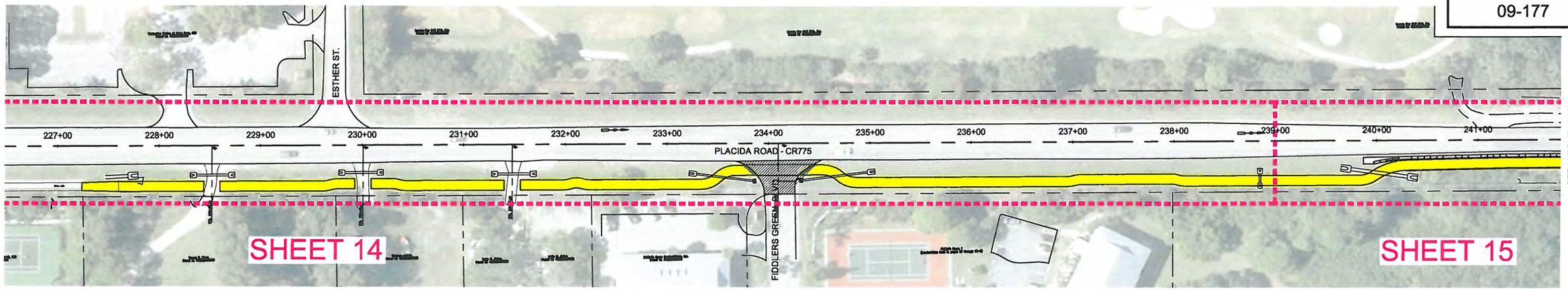

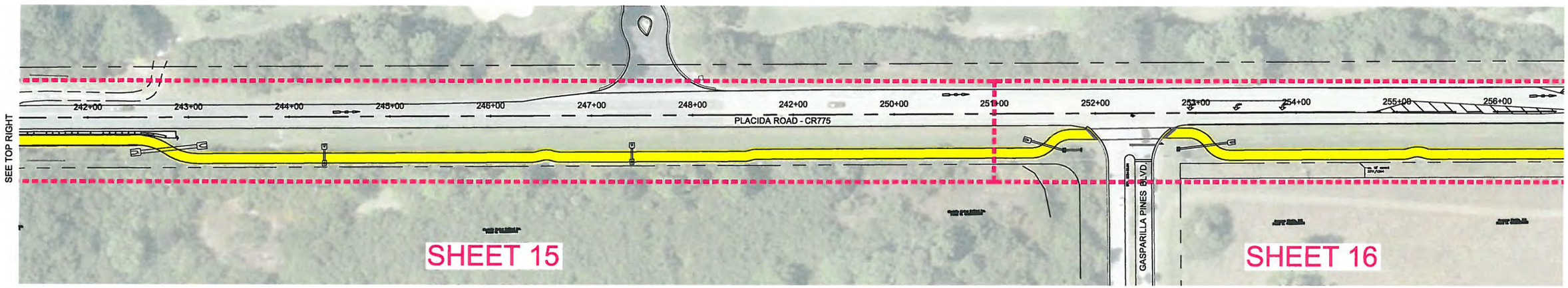

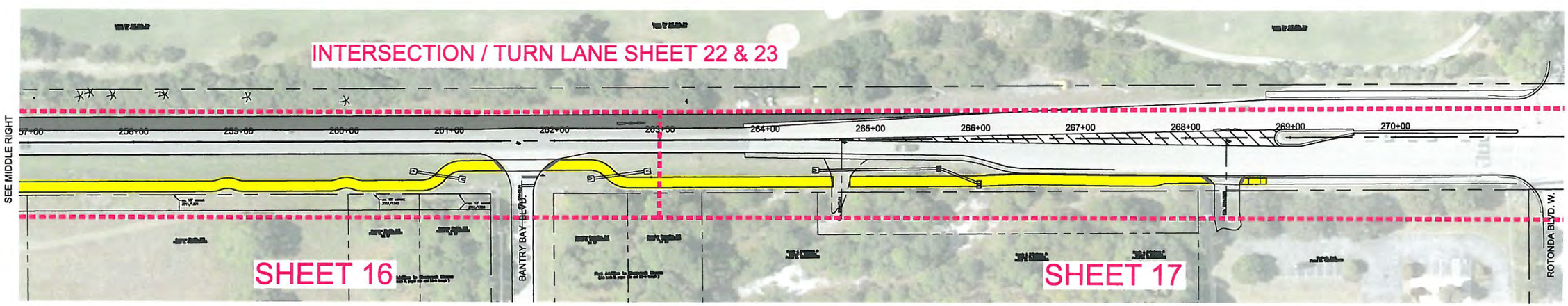

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PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
AERIAL PLAN

SCALE	1"= 50'
SHEET	4 of 23
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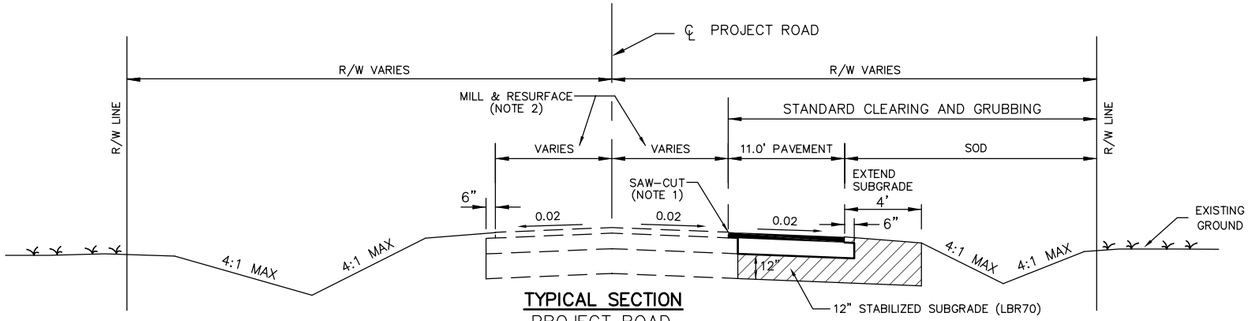


TYPICAL SECTION

PROJECT ROAD
TURN LANES & WIDENING
NOTE: SEE CROSS SECTIONS FOR SUPERELEVATION WIDENING

PAVEMENT DESIGN

10" LIMEROCK BASE (LBR 100) WITH
TYPE S-1 ASPHALTIC CONCRETE STRUCTURAL COURSE (3" THICK), AND
TYPE S-3 ASPHALTIC CONCRETE SURFACE COURSE (1" THICK)

NOTE:

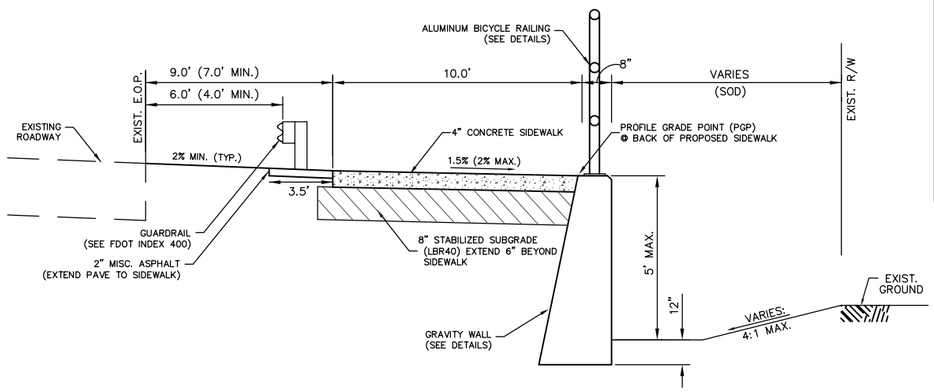
1. SAWCUT EDGE OF PAVEMENT TO PROVIDE A STRAIGHT CLEAN VERTICAL FACE.
2. MILL TO A DEPTH OF 1-1/4" AND RESURFACE ALL EXISTING TRAVEL LANES WITH TYPE S-3 ASPHALTIC CONCRETE SURFACE COURSE (1-1/4" THICK).

ASPHALT SIDEWALK BID OPTION:

PROJECT BID FORM INCLUDES PAY ITEMS FOR 4" CONCRETE SIDEWALK, AND THE FOLLOWING ALTERNATIVE PAY ITEMS FOR ASPHALT SIDEWALK:

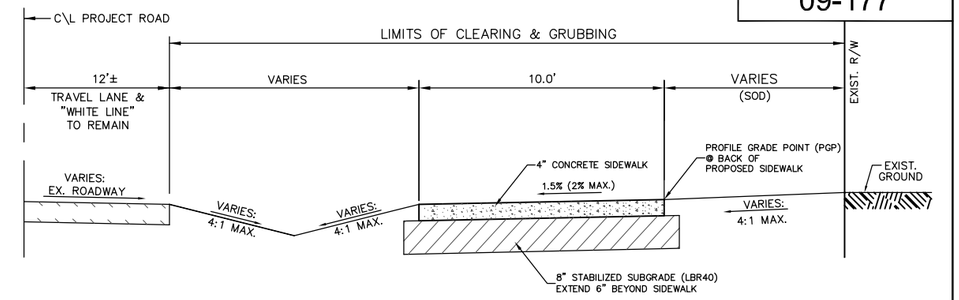
- 7" LIMEROCK (LBR 100) OPTIONAL BASE GROUP 5
- TYPE S-3 ASPHALTIC CONCRETE SURFACE COURSE

** ASPHALT SIDEWALK SHALL BE 1-3/4" THICK **
CONSTRUCT 7" LIMEROCK BASE AND ASPHALT SIDEWALK ON 8" STABILIZED SUBGRADE (LBR40) PER PLANS



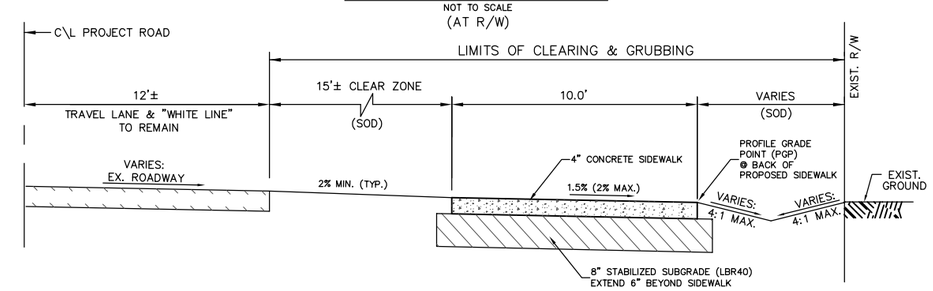
TYPICAL SIDEWALK SECTION w/ GUARDRAIL AND GRAVITY WALL

NOT TO SCALE
(SIDEWALK w/ 5' SEPARATION FROM ROADWAY)



TYPICAL SIDEWALK SECTION

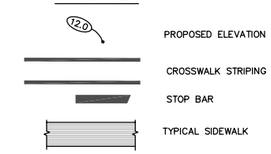
NOT TO SCALE
(AT R/W)



TYPICAL SIDEWALK SECTION

NOT TO SCALE
(SIDEWALK w/ 15-FT SEPARATION FROM ROADWAY)

LEGEND



LEGEND:

- ■ = Found 4"x4"Concrete Monument (number noted if any)
- ● = Found No. 5 Rebar (I.D. noted if any)
- ▲ = Found P.K. Nail and Disc (I.D. noted if any)
- 2'1' = Spot Elevation
- ■ = Set 4"x4"Concrete Monument with Cap L.B. #3943
- ○ = Set No. 5 Rebar with Cap L.B. #3943
- △ = Set Mag. Nail and Disc L.B. #3943
- ⊠ = Utility Box
- = Utility Pole
- = Guy Wire Anchor
- = Water Meter
- = Water Valve
- = Sewer Valve
- = Sewer Service
- = Fire Hydrant
- Ⓒ = Sewer Cleanout
- WS = Water Service
- Ⓦ = Well/Monitor/Irrigation
- SS = Sanitary Sewer Manhole
- Ⓢ = Storm Manhole
- MH = Miscellaneous Manhole
- ES = Electric Service
- Ⓔ = Electric Hand Hole/Manhole
- Ⓣ = Telephone Riser/Hand Hole
- CTV = Cable TV
- = Mail Box
- = Road Sign
- = Light Pole
- = Street Light Box
- = Ground Light
- = Backflow Preventer
- —//— = Overhead Utility Line
- —×—×— = Barb Wire or Wire Fence
- —o—o— = Chain Link Fence
- —■—■— = Wooden Fence
- —WTR— = Buried Water Line
- —TEL— = Buried Telephone Line
- —SEW— = Buried Sanitary Sewer
- —ELEC— = Buried Electric Line
- —RW— = Buried Reuse Water Line
- —GAS— = Buried Gas Line

Legend symbols are not to scale and are for graphic I.D. only.

ABBREVIATIONS:
A.=Arc
Alum.=Aluminum
Approx.=Approximate
B.M.=Bench Mark
(C)=Calculated data
C.=Chord dimension
C.B.=Chord Bearing
C.M.=Concrete Monument
Conc.=Concrete
(D)=Deed data, Description data
D.E.P.=Department of Environmental Protection
D.N.R.=Department of Natural Resources
D.O.T.=Department of Transportation
Drain.=Drainage
El.=Elevation
Esmt=Easement
(F)=Field data
Fin. Fl.=Finished Floor
Fnd.=Found
Gar. Fl.=Garage Floor
Inv.=Invert
L.B.=Land Surveying Business
L.S.=Land Surveyor
(M)=Measured data
M.H.W.L.=Mean High Water Line
M.P.=Metal Pipe
M.R.=Metal Rod
Mag.=Magnetic
N.A.V.D.=North American Vertical Datum 1988
N.G.V.D.=National Geodetic Vertical Datum 1929
O.R.=Official Records
(P)=Plat data
P.C.=Point of Curvature
P.C.C.=Point of Compound Curvature
P.C.P.=Permanent Control Point
P.I.=Point of Intersection
P.K.=PARKER-KALON
P.L.S.=Professional Land Surveyor
P.O.B.=Point of Beginning
P.O.C.=Point of Commencement
P.O.L.=Point on Line
P.O.T.=Point of Terminus
P.R.C.=Point of Reverse Curvature
P.R.M.=Permanent Reference Monument
P.S.M.=Professional Surveyor and Mapper
P.T.=Point of Tangency
R.=Radius
R/W=Right-of-Way
S.F.=Square Feet
Sta.=Station
Struc.=Structure
T.B.M.=Temporary Bench Mark
Typ.=Typical
(U)=Unrecorded data
U.S.G.S.=United States Geodetic Survey
Util.=Utility
Wit. Cor.=Witness Corner
WTWY=Waterway
℄ =Centerline
℄ =Property Line

1. CONCRETE SIDEWALKS SHALL BE CONSTRUCTED PER F.D.O.T. INDEX NO. 310 AND F.D.O.T. STANDARD SPECIFICATION NO. 522; CURB CUT RAMP RUNS SHALL BE FINISHED IN ACCORDANCE WITH INDEX NO. 304; EXCEPT AMENDMENTS TO DESIGN PER CHARLOTTE COUNTY SIDEWALKS SPECIFICATIONS & DETAILS. CLASS I CONCRETE, 3,000 PSI @ 28 DAYS SHALL BE USED FOR ALL CONCRETE STRUCTURES.

2. THERE SHALL BE NO CHANGE OR DEVIATION OF THESE PLANS OR SPECIFICATIONS UNLESS PRIOR WRITTEN APPROVAL FROM THE COUNTY IS OBTAINED.

3. THE CONTRACTOR SHALL NOTIFY THE COUNTY IMMEDIATELY IF AND WHEN A POSSIBLE ERROR IS FOUND IN THE PLANS OR STAKED ALIGNMENT AND/OR GRADES. THE COUNTY MAY ACCEPT, REVISE TO ACCOMMODATE CONDITIONS, OR REJECT THE FACILITY BEING CONSTRUCTED. IT IS IMPERATIVE THAT THE CONTRACTOR NOTIFY THE COUNTY OF THESE SITUATIONS AS SOON AS POSSIBLE, PRIOR TO EXPENDITURE OF FUNDS.

4. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND COORDINATE RELOCATIONS PRIOR TO THE BEGINNING OF ANY CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY AND REPORT THE EXACT LOCATION OF ALL EXISTING UTILITIES WITHIN THE CONSTRUCTION LIMITS, WHETHER THEY ARE IDENTIFIED ON THE DRAWINGS OR NOT.

5. EROSION AND SEDIMENT CONTROL BEST MANAGEMENT SHALL BE OBSERVED DURING CONSTRUCTION BY THE CONTRACTOR. THE METHODS WHICH SHOULD BE USED INCLUDE BUT ARE NOT LIMITED TO:

   A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SILTATION CAUSED BY CONSTRUCTION ACTIVITY, ENTERING THE STORM DRAINAGE SYSTEM BOTH ON-SITE AND OFF-SITE. THE CONTRACTOR SHALL UTILIZE SAND BAGS AND SILT FENCES OR OTHER EROSION CONTROL METHODS TO CONTROL EROSION.

   B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AT ALL TIMES DURING CONSTRUCTION BY UTILIZING WATER TRUCKS, ANTI-DRAFT FENCING, OR OTHER APPROVED METHODS, AND BY COVERING OPEN BODIED TRUCKS TRANSPORTING DEBRIS.

   C. EROSION CONTROL MEASURES SHALL BE PROVIDED PER F.D.O.T. INDEX NOS. 100 - 105 AS APPLICABLE.

6. THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION GENERIC PERMIT FOR STORMWATER DISCHARGES FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES, HEREIN REFERRED TO AS THE DEP GENERIC PERMIT, APPLIES TO THIS PROJECT. THE DEP GENERIC PERMIT IS ISSUED UNDER THE STATE OF FLORIDA'S AUTHORITY TO ADMINISTER THE NPDES STORMWATER PROGRAM. THE CONTRACTOR SHALL PREPARE AND SUBMIT A NOTICE OF INTENT (NOI) TO USE AND OBTAIN COVERAGE UNDER THE DEP GENERIC PERMIT PRIOR TO CONSTRUCTION. ALL PERMIT FEES SHALL BE PAID BY THE CONTRACTOR.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE, INCLUDING MOWING AND CLEANUP UNTIL THE PROJECT IS ACCEPTED. IF BY THEN THE GROWTH IS NOT FIRMLY ESTABLISHED, THEN THE CONTRACTOR WILL CONTINUE TO BE RESPONSIBLE FOR MAINTENANCE UNTIL THE GROWTH IS ESTABLISHED.

8. THE CONTRACTOR SHALL USE EXTREME CARE NOT TO DAMAGE THE ROOT SYSTEMS OF TREES AND OTHER LANDSCAPE FEATURES WHICH ARE TO BE SAVED AND/OR SALVAGED FOR RESTORATION PURPOSES. NO EQUIPMENT, SUPPLIES, OR VEHICLES SHALL BE STORED WITHIN THE DRIP LINE OF TREES TO REMAIN AND BE PRESERVED.

9. AS PART OF CLEARING AND GRUBBING, ALL DEBRIS IS TO BE REMOVED FROM THE PROJECT SITE AND SALVAGED BY THE CONTRACTOR OR TRANSPORTED TO A LEGAL DISPOSAL AREA. NO BURNING SHALL BE ALLOWED.

10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE JOB SITE, REVIEW THE CONSTRUCTION AND DESIGN REQUIREMENTS, PROJECT PERMITS, CONDITIONS, STIPULATIONS, AND RESTRICTIONS AS NECESSARY TO FAMILIARIZE HIMSELF WITH THE ENTIRE PROJECT PRIOR TO BIDDING.

11. THE COUNTY SHALL SECURE AN INDEPENDENT TESTING LABORATORY DURING CONSTRUCTION TO PERFORM SUCH TESTING AS NEEDED TO CERTIFY THAT THE MATERIAL AND STRUCTURAL COMPONENT SPECIFICATIONS NOTED HAVE BEEN MET. THE CONTRACTOR SHALL ALSO SUBMIT, FOR REVIEW AND APPROVAL, TO THE ENGINEER OF RECORD A MINIMUM OF FOUR COPIES OF SHOP DRAWINGS AND/OR MATERIAL CERTIFICATIONS FOR ALL MATERIALS PRIOR TO ORDERING SAME FOR THE PROJECT.

12. THE CONTRACTOR SHALL CLEAR THE SITE ONLY TO THE EXTENT NECESSARY TO CONSTRUCT THE REQUIRED IMPROVEMENTS. DEBRIS SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR, AT HIS EXPENSE. NO BURNING SHALL BE ALLOWED.

13. ALL DISTURBED GRASSED AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE AND STABILIZED BY SODDING.

14. ALL CONSTRUCTION SHALL COMPLY WITH THE FLORIDA ACCESSIBILITY CODE AT CURBS, GUTTERS, SIDEWALKS, INTERSECTIONS, ETC. HANDICAP RAMPS ARE TO BE PER THE LATEST FDOT AND CHARLOTTE COUNTY SPECIFICATION AND DETAIL. SAW CUTTING GROOVES IN RAMPS IS NON-CONFORMING AND POSES A LIABILITY.

15. CULVERT LENGTHS SHOWN ON PLANS ARE CENTER OF STRUCTURE TO CENTER OF STRUCTURE. CULVERT LENGTHS SHOWN ON PLANS EXCLUDE THE MITERED END SECTION.

16. MITERED END SECTIONS (MES) WHERE SPECIFIED SHALL BE CONSTRUCTED PER F.D.O.T. INDEXES NO. 272 AND 273 AS CALLED FOR ON THE PLANS.

17. ALL PIPE JOINTS SHALL BE WRAPPED PER F.D.O.T. INDEX NO. 280.

18. FILL MATERIAL, PLACED IN THE RIGHT OF WAY, SHALL BE COMPACTED TO 98% MODIFIED PROCTOR DENSITY IN SIX (6) INCH LIFTS MAXIMUM - UNLESS SPECIFICATIONS ALLOW OTHERWISE.

19. FILL MATERIAL UTILIZED SHALL BE TYPE A-3.

20. CONTRACTOR TO ADHERE TO THE GUIDELINES OF THE FLORIDA "TRENCH AND SAFETY ACT".

21. PLAN GRADES, ON GRASSED AREAS, INDICATES TOP OF SOD.

22. SEE SIGNING AND PAVEMENT MARKING PLANS FOR RELOCATION OF ALL SIGNS AFFECTED BY SIDEWALK DESIGNS.

23. CULVERT EXTENSION LENGTHS SHOWN ON PLANS DO NOT INCLUDE THE LENGTH OF DAMAGED ENDS OF EXISTING CULVERTS. THE EXTENT OF DAMAGE SHALL BE DETERMINED AND THE LENGTH OF EXTENSION INCREASED, ACCORDINGLY. PIPE ENDS SHALL BE SAWCUT BY THE CONTRACTOR AT HIS EXPENSE.

24. CONTRACTOR SHALL VERIFY EXISTING CULVERT SIZES, WHERE PROPOSED EXTENSIONS OR CONNECTIONS ARE SPECIFIED ON PLANS, PRIOR TO ORDERING NEW CULVERT MATERIAL.

25. MODIFICATION OF EXISTING UTILITIES SHALL CONFORM TO CHARLOTTE COUNTY UTILITIES STANDARDS AND SPECIFICATIONS.

26. WATER METER RELOCATION, WHERE SPECIFIED ON PLANS, SHALL INCLUDE SERVICE PIPE RECONNECTION.

27. MAILBOX INSTALLATION AND RELOCATION, WHERE SPECIFIED ON PLANS, SHALL CONFORM TO F.D.O.T. INDEX NO. 532.

28. REMOVAL OF PROTECTED TREE SPECIES SHALL REQUIRE A TREE REMOVAL PERMIT.

29. CONCRETE JACKETS, AROUND METAL CULVERTS, SHALL BE INSTALLED WHERE EXTENSIONS REQUIRING BENDS ARE DESIGNATED ON PLANS. EXISTING METAL CULVERTS TO BE SAWCUT AT APPROPRIATE ANGLE.

30. IT IS THE CONTRACTOR'S RESPONSIBILTY TO ALLOW HOMEOWNER'S REASONABLE ACCESS TO THEIR PROPERTY AT ALL TIMES DURING CONSTRUCTION. THIS PROVISION SHALL BE INCIDENTAL TO THE COST OF THE PROJECT.

31. IT IS THE CONTRACTOR'S RESPONSIBILTY TO MAKE PROVISION FOR TEMPORARY MAIL SERVICE, WITHOUT INTERRUPTION OF SERVICE, WHERE NEW OR RELOCATED MAILBOXES ARE SPECIFIED ON PLANS. THIS PROVISION SHALL BE INCIDENTAL TO THE COST OF THE PROJECT.

32. TRAFFIC BEARING GRATES AND RIMS SHALL BE UTILIZED ON ALL PROPOSED STRUCTURES.

33. EXPANSION JOINTS AND CONTRACTION/CONTROL JOINTS SHALL BE PROVIDED AS PER CHARLOTTE COUNTY SIDEWALKS SPECIFICATIONS & DETAILS.

34. ALL INLET GRATING, DESIGNATED ON PLANS TO BE REMOVED, SHALL BE RETURNED TO THE COUNTY.

35. THE CONTRACTOR SHALL SAWCUT AND REMOVE EXISTING PAVEMENT OVERBUILD, BEYOND "TRUE" EDGE OF PAVEMENT, ON PAVED RETURNS (RADII) AND SHALL EXTEND SIDEWALK TO CUT PAVEMENT EDGE.

36. IF EXISTING CULVERT PIPES ARE TO BE CUT TO PROVIDE A CLEAN CONNECTION FOR PIPE EXTENSIONS, THE COST OF CUTTING PIPE WILL BE CONSIDERED INCIDENTAL TO THE PROJECT, AND SHALL BE INCLUDED WITHIN THE UNIT PRICE OF THE PIPE.

37. ALL CONCRETE COLLARS SHALL INCLUDE MITER CUTTING PIPES TO PROVIDE A CLOSE FITTING JOINT. JOINT SHALL NOT BE BRIDGED WITH CONCRETE.

38. CONTRACTOR MAY ELECT TO INSTALL AN ENTIRE LENGTH OF PIPE RATHER THAN CUTTING IT. IF SO CHOSEN, NO ADDITIONAL COST WILL BE PAID BY THE COUNTY OTHER THAN THE DESIGNATED LENGTH SPECIFIED.

39. THE UNDERGROUND UTILITY LOCATIONS SHOWN HEREON WERE PROVIDED BY THE UTILITY COMPANY. THESE LOCATIONS ARE APPROXIMATE AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACTUAL UTILITY LOCATIONS AT ANY POSSIBLE CONFLICTS.

ORDINANCE 85-43 NOTE:

ORDINANCE 85-43 REQUIRES A STATEMENT WHETHER PROPOSED SWALE GRADES ARE CONSISTENT WITH ORIGINAL DRAINAGE PLANS.

THE PROPOSED GRADES ON THESE PLANS ARE CONSISTENT WITH THE ORIGINAL GRADES. THE PROPOSED SWALE FLOWS HAVE NOT BEEN REDESIGNED AND THE ONLY MINOR MODIFICATIONS IS THAT THE FLOWLINE LOCATION ADJACENT TO THE PROPOSED SIDEWALK HAS BEEN ADJUSTED. UPSTREAM SWALES OUTSIDE THE PROJECT AREA ARE NOT ALTERED, NO ADVERSE IMPACT FROM THIS SIDEWALK PROJECT IS FORESEEN. ENGINEER DOES NOT MAKE ANY STATEMENT AS TO NON R/W DRAINAGE PATTERNS BEYOND THE EXTENT OF THE SURVEY AND PROJECT AREA.

DATE	REVISION	BY	DATE	REVISION	BY
6/17/14	30% COMMENTS	AJW			
10/13/14	60% COMMENTS	AJW			
3/23/16	90% COMMENTS	AJW			

GWE GIFFELS-WEBSTER ENGINEERS, INC.
Certificate of Authorization No. 3607
900 Pine Street, Suite 225
Englewood, Florida 34223
Phone (941)475-7981
Fax (941)474-4285

DATE 10/13	CKD. BY	DATE
DRAWN KEF	JHC	10/13
DESIGN AJW	JHC	10/13
SECS. 03/42S/20E & 28,33,34/41S/20E		

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
TYPICAL SECTIONS & GENERAL NOTES

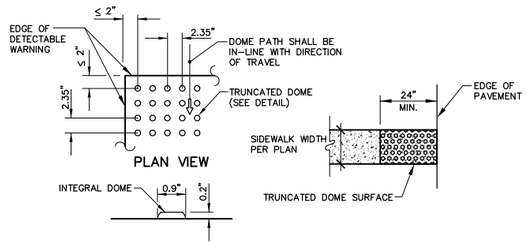
SCALE N/A
SHEET 5 of 23
GWE NO. 5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

M:\5900's\5955.20\5955 20 DETAILS 5-7.dwg, 4/8/2016 3:54:23 PM

COUNTY PROJECT NUMBER

09-177



CURB RAMP DETECTABLE WARNING SURFACES SHALL EXTEND THE FULL WIDTH OF THE RAMP AND IN THE DIRECTION OF TRAVEL 24" FROM THE BACK OF CURB. DETECTABLE WARNING SURFACES SHALL BE CONSTRUCTED BY TEXTURING A TRUNCATED DOME PATTERN IN CONFORMANCE WITH U.S. DEPARTMENT OF JUSTICE A.D.A. STANDARDS FOR ACCESSIBLE DESIGN, A.D.A. ACCESSIBLITY GUIDELINES, SECTION 4.29.2. TRANSITION SLOPES ARE NOT TO HAVE DETECTABLE WARNING SURFACE.

CURB RAMP DETECTABLE WARNING SURFACE

(REFER TO F.D.O.T. INDEX NO. 304 FOR ADDITIONAL DETAILS)

NOT TO SCALE

NOTE: IT IS THE CONTRACTOR'S RESPONSIBILITY FOR FEATHERING AND REPLACEMENT OF ASPHALT, AS NECESSARY TO INSURE A SMOOTH TRANSITION, AT PAVEMENT EDGE. THIS WORK IS INCIDENTAL TO THE COST OF THE PROJECT.

CONCRETE SIDEWALKS: NOTE: SIDEWALKS TO CONSTRUCTED ON MINIMUM 8" STABILIZED SUBGRADE (LBR40)

Concrete Sidewalks shall be constructed to a minimum thickness of four inches (4"), using FDOT Class I Special Concrete with a minimum twenty-eight day compressive strength of 3,000 p.s.i.

The contractor will be required to provide the County with the appropriate compressive strength test results.

The concrete shall be reinforced with fibermesh.

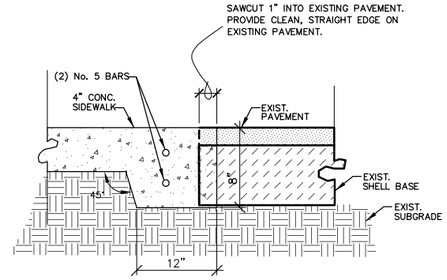
Fibermesh fibers will be mixed in accordance to standards set forth in ASTM C-1116. Reinforcing fibers shall be used in strict accordance with the manufacturer's instructions and recommendations as to the type and amount for uniform distribution. Only fibers specifically designed and manufactured for use in concrete and so certified by the manufacturer shall be acceptable.

Expansion joints shall be provided between existing sidewalks and curbs or driveways and at intersections between sidewalk and other fixed objects, at intervals at new pours, at all cold joints and at the intersection of the sidewalk with asphalt pavements. The spacing for contraction/control joints shall be equivalent to the sidewalk width. Expansion joints shall be spaced no greater than 40 feet apart and at an even joint. Tooled joints shall be straight and perpendicular to the edge of the sidewalk. The Contractor shall use expansion joint caps with removable cap strips as manufactures by Vinylex Corporation. Expansion joint sealer shall be Sikaflex 1CSL as manufactured by Sika USA or equivalent approved. Expansion joint sealer shall not be placed in depths greater than 3/4" at any one (1) time. If the joint requires greater than 3/4" of joint sealer, the Contractor shall place the material in two (2) placements, only after the first placement has sufficiently cured. All removable cap strips shall be placed above the finished sidewalk surface and shall not be tooled over. The removable cap strips shall be pulled and filled with joint sealer within 24 hours of the placement of the concrete.

Where the sidewalk meets pavement including public roads and driveways, the Contractor shall saw cut edge of the existing pavement and provide a thickened surface.

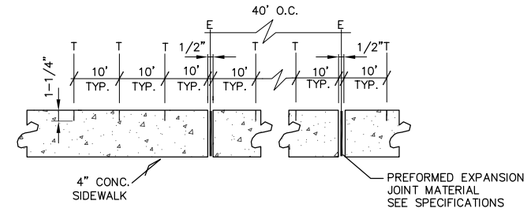
The Contractor shall provide tactile (detectable) surfaces per the details in the attachments at all crossings.

Concrete shall be cured in accordance with the requirements of FDOT Specifications Section 520-8.



SIDEWALK TO EXIST. PAVEMENT DETAIL

NOT TO SCALE

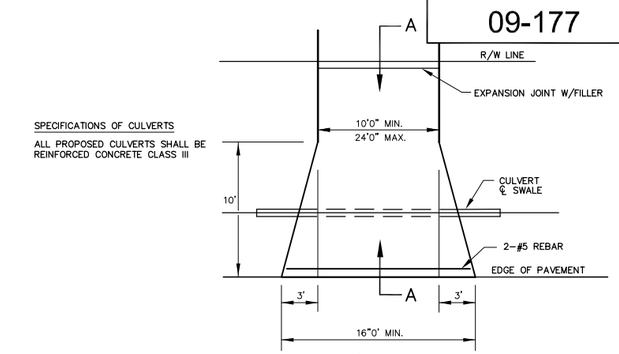


LONGITUDINAL SECTION LOCATION OF SIDEWALK JOINTS

LEGEND:
T = TOOLED JOINT
E = EXPANSION JOINT W/ ZIP STRIP

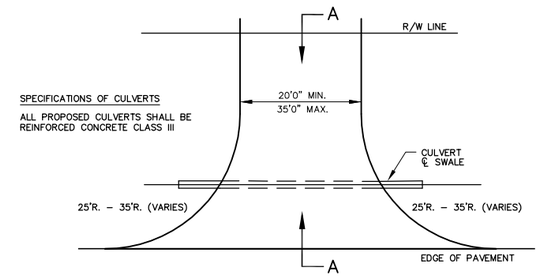
EXPANSION & TOOLED JOINTS DETAIL

NOT TO SCALE



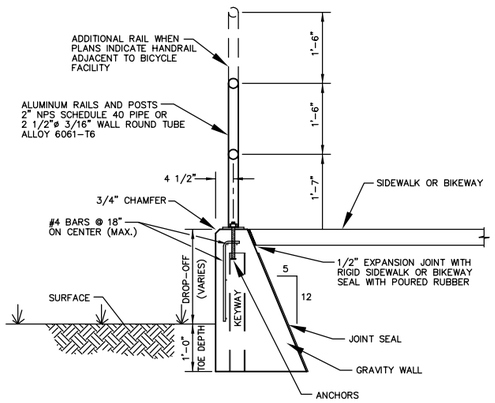
PLAN

NOT TO SCALE



PLAN

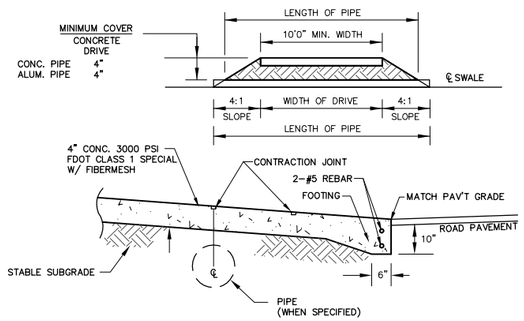
NOT TO SCALE



ALUMINUM PIPE HANDRAIL ON GRAVITY WALL DETAIL

(REFER TO F.D.O.T. INDEX NO. 6011 FOR ADDITIONAL DETAILS)

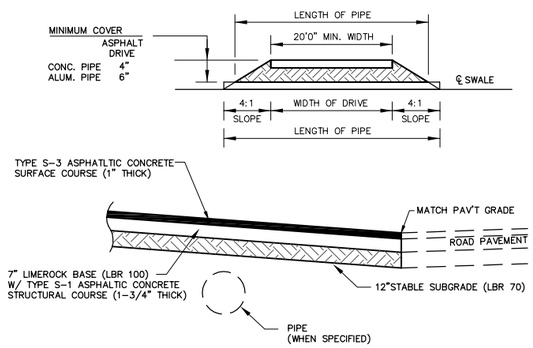
NOT TO SCALE



SECTION "A-A"

(RESIDENTIAL)

NOT TO SCALE



SECTION "A-A"

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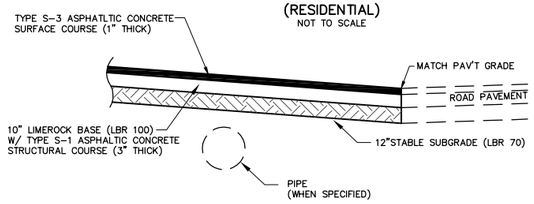
NOT TO SCALE



SECTION "A-A"

(COMMERCIAL)

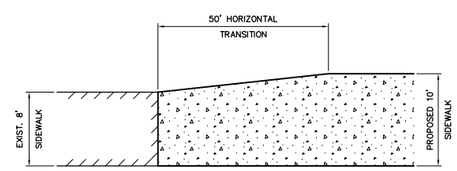
NOT TO SCALE

NOTE:

1. SWALES LESS THAN 0.70 OF A FOOT BELOW THE EDGE OF PAVEMENT MAY NOT REQUIRE A CULVERT, BUT SWALES EXCEEDING 0.70 OF A FOOT WILL REQUIRE A CULVERT. THE CULVERT SIZE TO BE SPECIFIED BY THE COUNTY INSPECTOR.
2. DRIVEWAY CONSTRUCTION TO CONFORM TO CHARLOTTE COUNTY ORDINANCE 85-43.
3. PROPOSED DRIVEWAYS TO BE CONSTRUCTED WITH CONCRETE UNLESS OTHERWISE

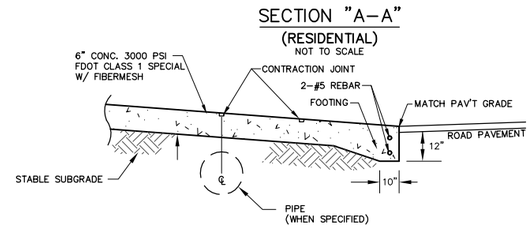
ASPHALT DRIVEWAY DETAIL

NOT TO SCALE



HORIZONTAL TRANSITION DETAIL

NOT TO SCALE



SECTION "A-A"

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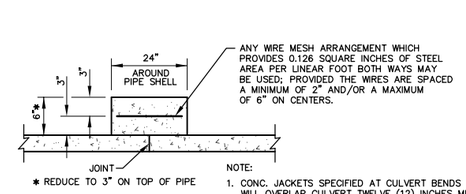


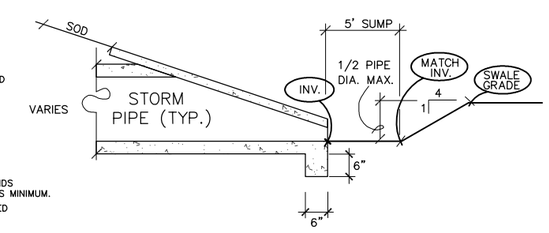
PARTIAL SECTION

NOTE:

1. CONC. JACKETS SPECIFIED AT CULVERT BENDS WILL OVERLAP CULVERT TWELVE (12) INCHES MINIMUM.
2. COST OF CONCRETE JACKET TO BE INCLUDED IN THE COST OF PIPE CULVERT.

CONCRETE JACKET

NOT TO SCALE



PIPE SUMP DETAIL

NOT TO SCALE

DATE	REVISION	BY	DATE	REVISION	BY
6/17/14	30% COMMENTS	AJW			
10/13/14	60% COMMENTS	AJW			
3/23/16	90% COMMENTS	AJW			

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Certificate of Authorization No. 3607
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Phone (941)475-7981
Fax (941)474-4285

DATE 10/13	CKD. BY	DATE
DRAWN KEF	JHC	10/13
DESIGN AJW	JHC	10/13
SECS. 03/42S/20E & 28,33,34/41S/20E		

CHARLOTTE COUNTY PUBLIC WORKS ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
STANDARDS & DETAILS

SCALE N / A
SHEET 6 of 23
GWE NO. 5955.20

ENGINEER OF RECORD
A. J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

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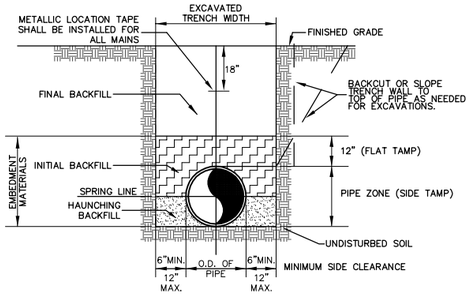
COUNTY PROJECT NUMBER

09-177

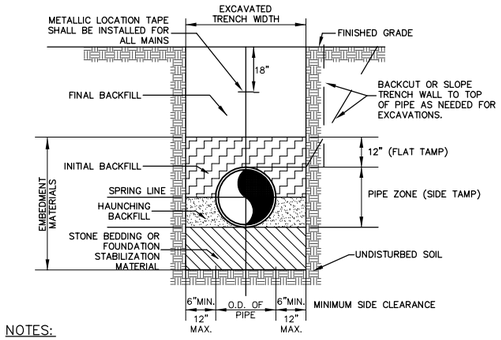


NOTES:

1. AT ALL TIMES DURING CONSTRUCTION, THE CONTRACTOR SHALL KEEP EXCAVATIONS DRY AND FREE FROM STANDING WATER.
2. FOUNDATION STABILIZATION MATERIAL SHALL BE REQUIRED AS SPECIFIED IN THE PLANS OR AS DIRECTED BY CHARLOTTE COUNTY. WHEN, IN THE OPINION OF CHARLOTTE COUNTY, THE EXISTING MATERIAL IN THE BOTTOM OF THE TRENCH IS UNSUITABLE FOR SUPPORTING THE PIPE, EXCAVATE BELOW THE FLOW LINE OF THE PIPE, AS DIRECTED BY THE COUNTY. BACKFILL THE TRENCH TO SPECIFIED PIPE GRADE WITH FOUNDATION STABILIZATION MATERIAL. IF THE TRENCH IS PROPERLY DEWATERED, SUITABLE BACKFILL MATERIAL MAY BE USED FOR STABILIZATION. CRUSHED ROCK SHALL BE USED WHEN A DRY TRENCH CANNOT BE OBTAINED. PLACE THE FOUNDATION STABILIZATION MATERIAL OVER THE FULL WIDTH OF THE TRENCH AND COMPACT IN LAYERS NOT EXCEEDING SIX (6) INCHES DEEP TO THE REQUIRED GRADE.
3. PIPELINE TRENCHES SHALL BE BACKFILLED WITH A SELECT BACKFILL MATERIAL TO A LEVEL TWELVE INCHES (12") ABOVE THE TOP OF THE PIPE. SUCH MATERIAL SHALL BE PLACED IN SIX INCH (6") LAYERS.
4. THE REMAINDER OF THE BACKFILL SHALL BE PLACED IN HORIZONTAL LAYERS, THE DEPTH OF WHICH SHALL NOT EXCEED THE ABILITY OF THE COMPACTION EQUIPMENT EMPLOYED, AND IN NO EVENT SHALL BE EXCEED A DEPTH OF TWELVE INCHES (12").
5. ALL FILL TO BE COMPACTED TO 95% OF MAXIMUM DENSITY AS PER AASHTO T-180.
6. IF MORE STRINGENT COMPACTION REQUIREMENTS ARE GIVEN IN ANY OTHER DOCUMENTATION APPLICABLE TO THE WORK BEING PERFORMED, THOSE REQUIREMENTS WILL APPLY.
7. ALL TRENCH EXCAVATIONS SHALL CONFORM TO THE REQUIREMENTS OF OSHA AND/OR THE FLORIDA TRENCH SAFETY ACT.
8. PIPE DEPTH:
   A. 12" DIAMETER AND SMALLER SHALL HAVE A MINIMUM COVER OF 30".
   B. ABOVE 12" DIAMETER SHALL HAVE A MINIMUM COVER OF 36",
   UNLESS OTHERWISE NOTED.

STANDARD PIPE TRENCH DETAIL

NOT TO SCALE



NOTES:

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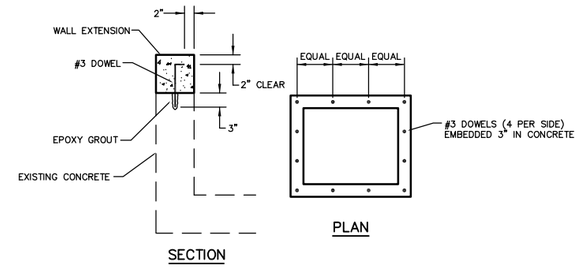
5. ALL FILL TO BE COMPACTED TO 95% OF MAXIMUM DENSITY AS PER AASHTO T-180.
6. IF MORE STRINGENT COMPACTION REQUIREMENTS ARE GIVEN IN ANY OTHER DOCUMENTATION APPLICABLE TO THE WORK BEING PERFORMED, THOSE REQUIREMENTS WILL APPLY.
7. ALL TRENCH EXCAVATIONS SHALL CONFORM TO THE REQUIREMENTS OF OSHA AND/OR THE FLORIDA TRENCH SAFETY ACT.
8. ALL GRAVITY SEWER PIPE WILL HAVE A MINIMUM OF SIX INCHES (6") STONE BEDDING MATERIAL.
9. PIPE DEPTH:
   A. 12" DIAMETER AND SMALLER SHALL HAVE A MINIMUM COVER OF 30".
   B. ABOVE 12" DIAMETER SHALL HAVE A MINIMUM COVER OF 36",
   UNLESS OTHERWISE NOTED.

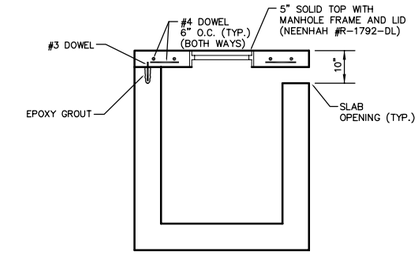
STANDARD PIPE TRENCH DETAIL WITH BEDDING

NOT TO SCALE



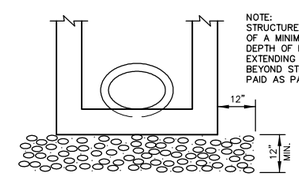
METHOD OF CONSTRUCTION FOR WALL EXTENSION OF EXISTING DRAINAGE STRUCTURE MODIFICATION

NOT TO SCALE



METHOD OF CONSTRUCTION FOR EXISTING DRAINAGE STRUCTURE MODIFICATION

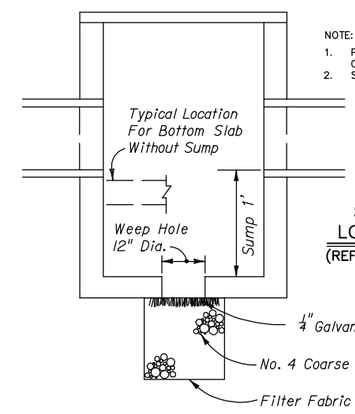
NOT TO SCALE



NOTE:
STRUCTURE FOUNDATION TO CONSIST OF A MINIMUM OF TWELVE (12") INCHES DEPTH OF F.D.O.T. BEDDING STONE EXTENDING TWELVE (12") INCHES BEYOND STRUCTURE BOTTOM. PAID AS PART OF STRUCTURE.

STANDARD STRUCTURE BEDDING DETAIL

NOT TO SCALE

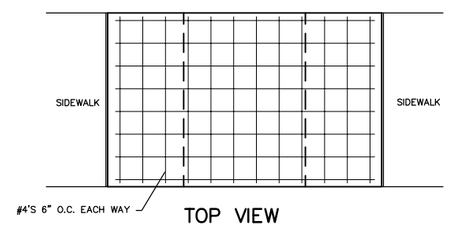


NOTE:
1. PROVIDE STORM INLET w/ SUMP & ROCK DRAIN WHERE INDICATED ON THE CONSTRUCTION PLANS
2. SHALL BE PAID AS PER BID ITEM FOR FDOT INLET TYPE XX "MODIFIED"

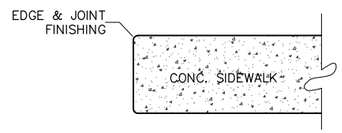
STORM INLET w/ SUMP & ROCK DRAIN LONGITUDINAL SECTION

(REFER TO F.D.O.T. INDEX NO. 285 FOR ADDITIONAL DETAILS)

NOT TO SCALE



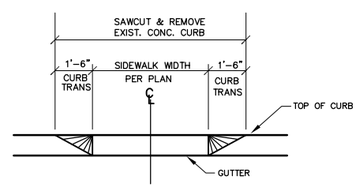
TOP VIEW



FINISHING EDGE OF CONCRETE SIDEWALK DETAIL

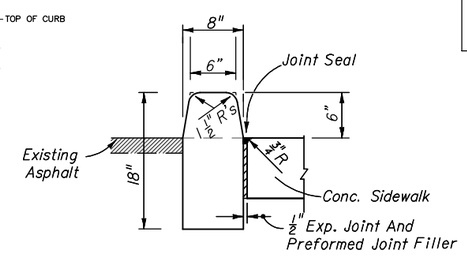
NOT TO SCALE

ALL CONCRETE SIDEWALK EDGES, INCLUDING THOSE AT FORMED JOINTS, SHALL BE FINISHED WITH AN EDGER HAVING A RADIUS OF 3 mm. 1/8 INCH. TRAVERSE JOINT SHALL BE EDGED BEFORE BROOMING, AND THE BROOMING SHALL ELIMINATE THE FLAT SURFACE LEFT BY THE SURFACE FACE OF THE EDGER. CORNERS AND EDGES WHICH HAVE CRUMBLED AND AREAS WHICH LACK SUFFICIENT MORTAR FOR PROPER FINISHING SHALL BE CLEANED AND FILLED SOLIDLY WITH A PROPERLY PROPORTIONED MORTAR MIIXTURE AND THEN FINISHED.

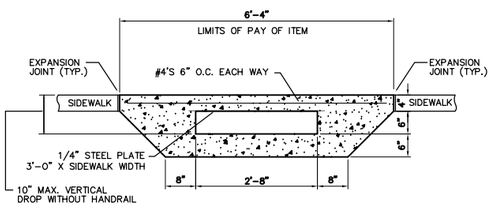


SIDEWALK TO CURB FRONT VIEW

NOT TO SCALE

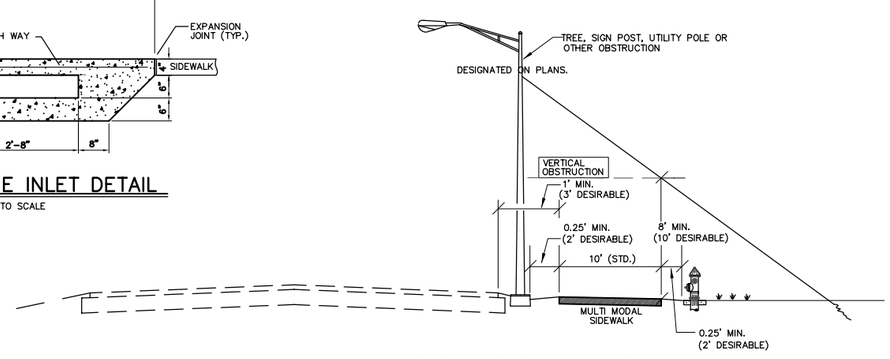


SECTION



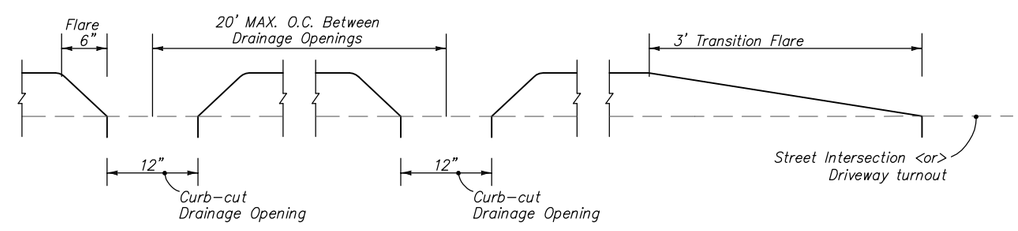
CLOSED FLUME INLET DETAIL

NOT TO SCALE



SIDEWALK MINIMUM CLEARANCE STANDARDS RURAL DESIGN

NOT TO SCALE



PROFILE

MODIFIED TYPE "D" CURB DETAIL

NOT TO SCALE

DATE	REVISION	BY	DATE	REVISION	BY
6/17/14	30% COMMENTS	AJW			
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CHARLOTTE COUNTY PUBLIC WORKS ENGINEERING

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Cape Haze Dr. to Rotonda Blvd. West
STANDARDS & DETAILS

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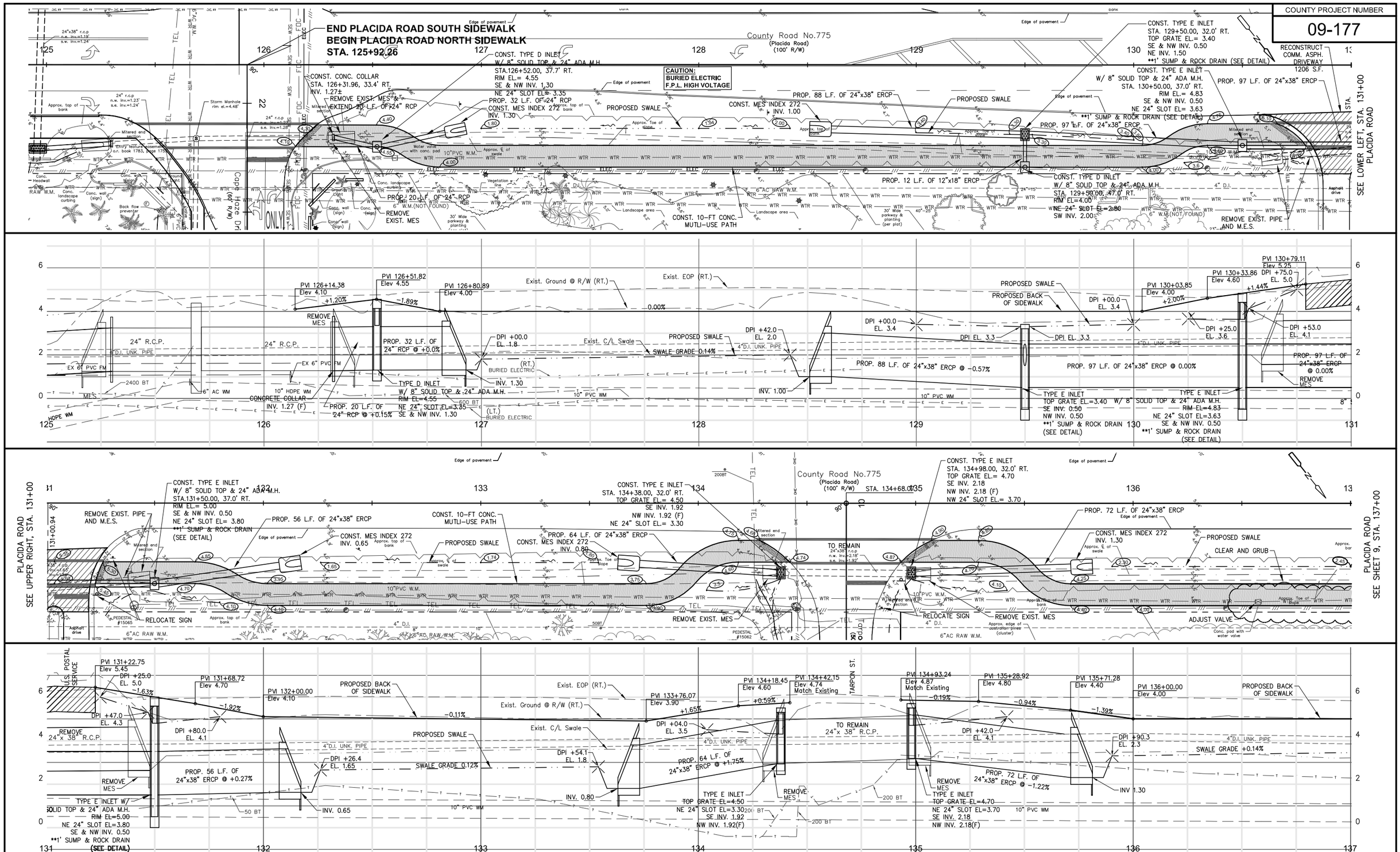
A. J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

M:\5900's\5955.20\5955 20 DETAILS 5-7.dwg, 4/8/2016 3:55:56 PM

COUNTY PROJECT NUMBER

09-177



DATE	REVISION	BY	DATE	REVISION	BY
6-17-14	30% COMMENTS	CVO			
10-22-14	60% COMMENTS	KEF			
3-23-16	90% COMMENTS	CVO			

GWE GIFFELS-WEBSTER ENGINEERS, INC.
Certificate of Authorization No. 3607

900 Pine Street, Suite 225
Englewood, Florida 34223
Phone (941)475-7981
Fax (941)474-4285

DATE	11/06/13	CKD. BY	DATE
DRAWN	CVO	JHC	11/13
DESIGN	AJW	JHC	12/13
SECS. 03/42S/20E & 28,33,34/41S/20E			

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
PLAN & PROFILE

SCALE	1"= 20' HORZ. 1"=2' VERT.
SHEET	8 of 23
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

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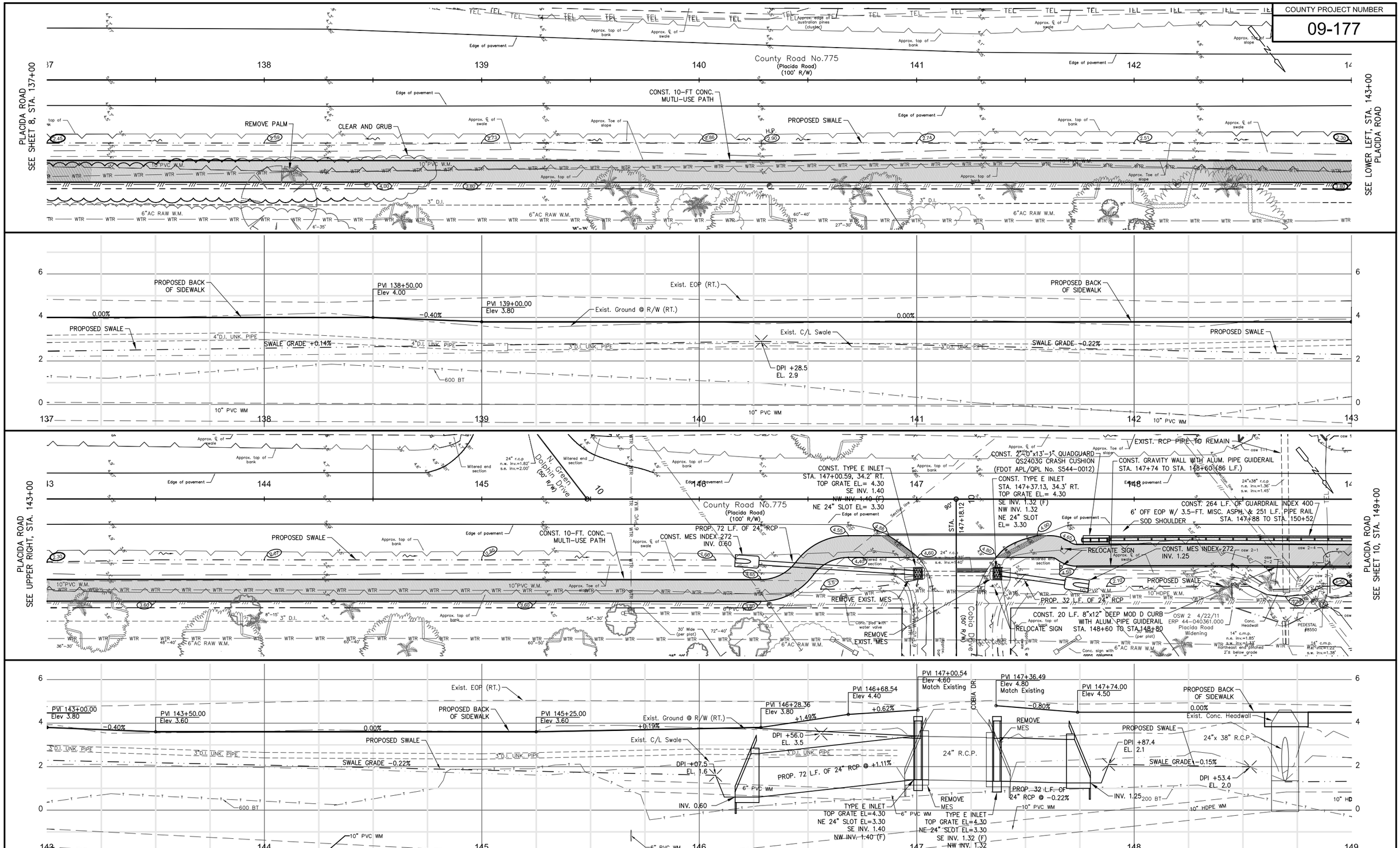
COUNTY PROJECT NUMBER

09-177



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SECS. 03/42S/20E & 28,33,34/41S/20E			

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
PLAN & PROFILE

SCALE 1"= 20' HORZ. 1"=2' VERT.

SHEET 9 of 23

GWE NO. 5955.20

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A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

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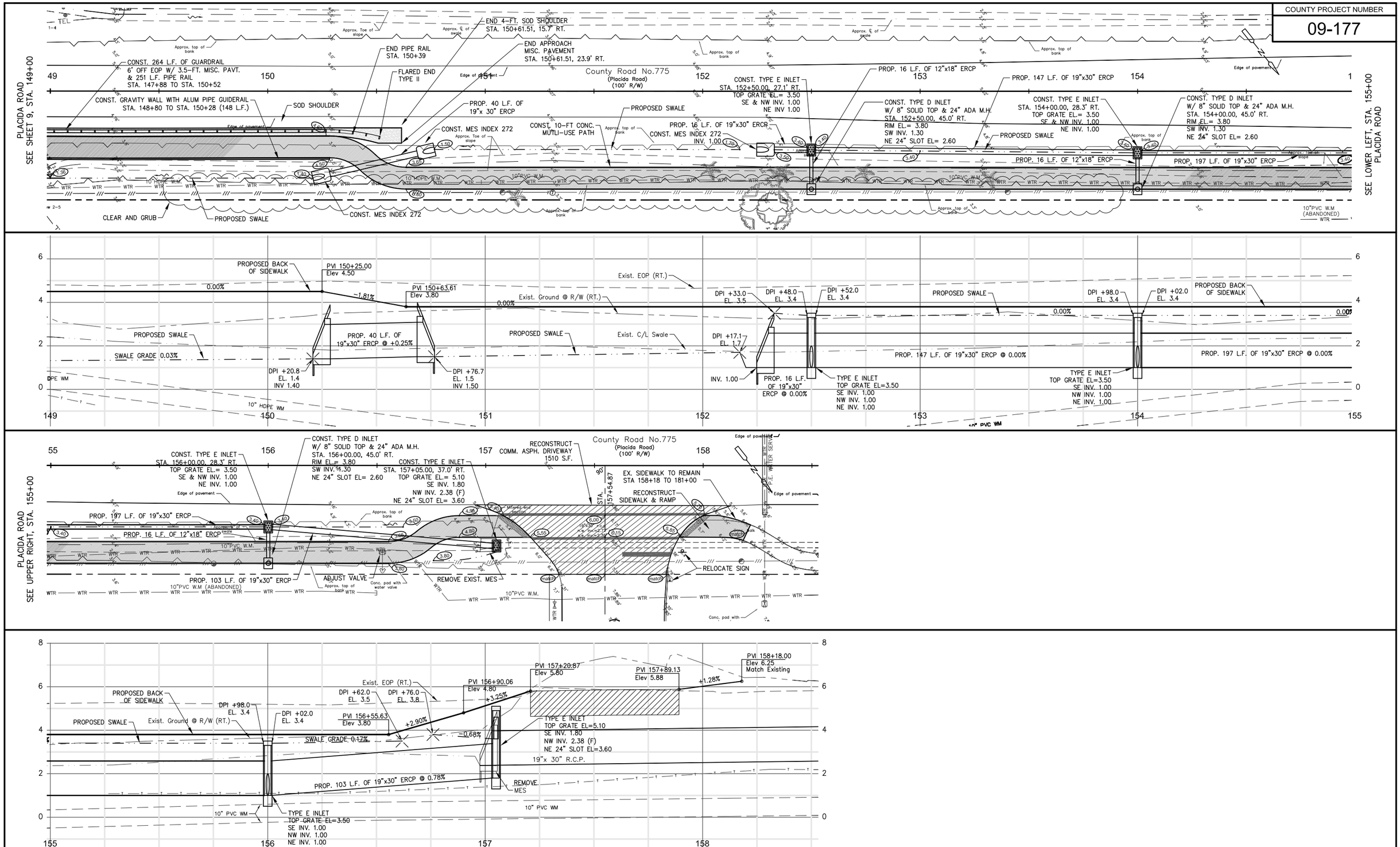

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3-23-16	90% COMMENTS	CVO			

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CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

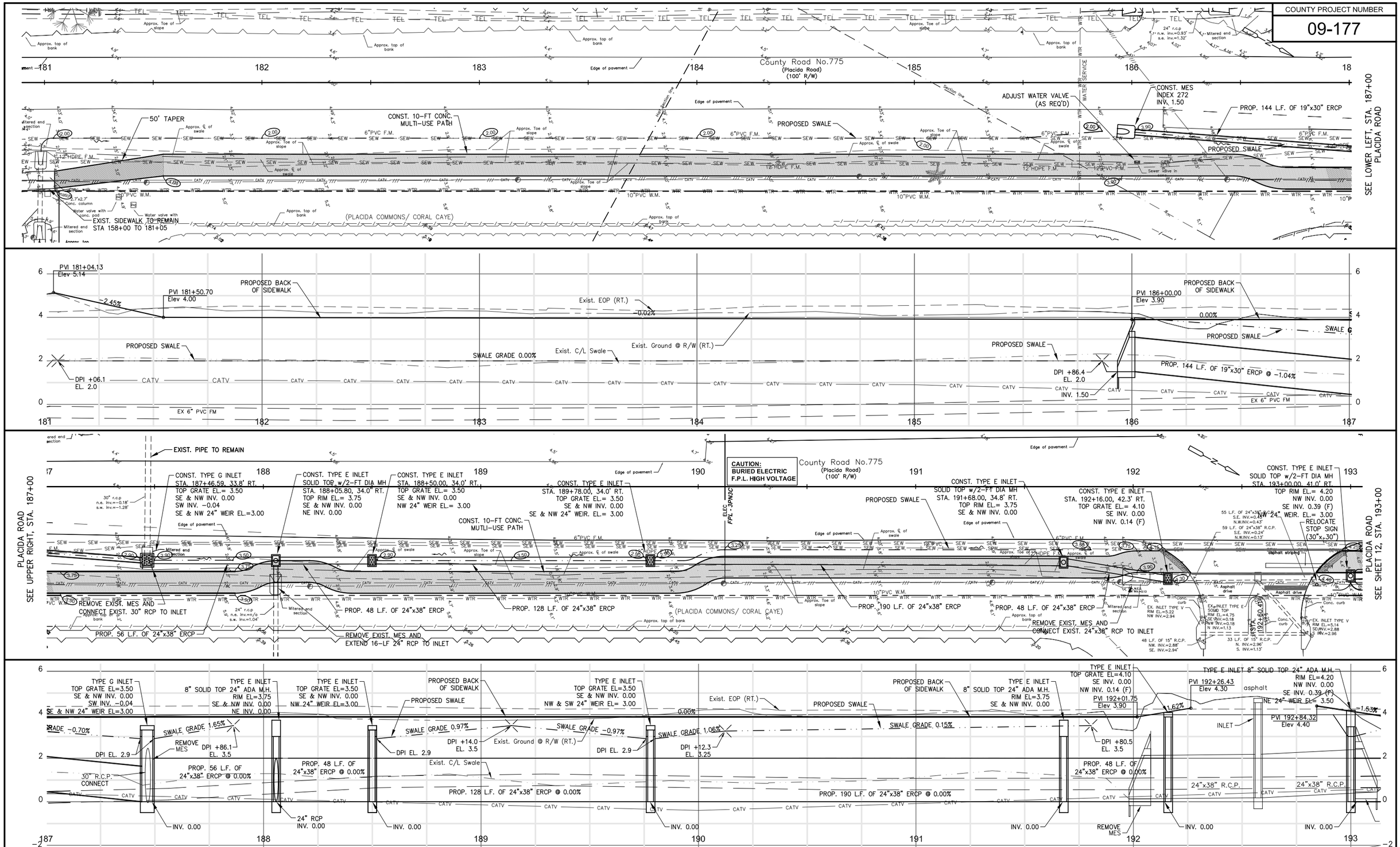
Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
PLAN & PROFILE

SCALE 1"= 20' HORZ. 1"=2' VERT.
SHEET 10 of 23
GWE NO. 5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

COUNTY PROJECT NUMBER

09-177



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6-17-14	30% COMMENTS	CVO			
10-22-14	60% COMMENTS	KEF			
1-28-16	PLACIDA COMMONS UPDATE	CVO			
3-23-16	90% COMMENTS	CVO			

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CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
PLAN & PROFILE

SCALE 1"= 20' HORZ. 1"=2' VERT.

SHEET 11 of 23

GWE NO. 5955.20

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A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

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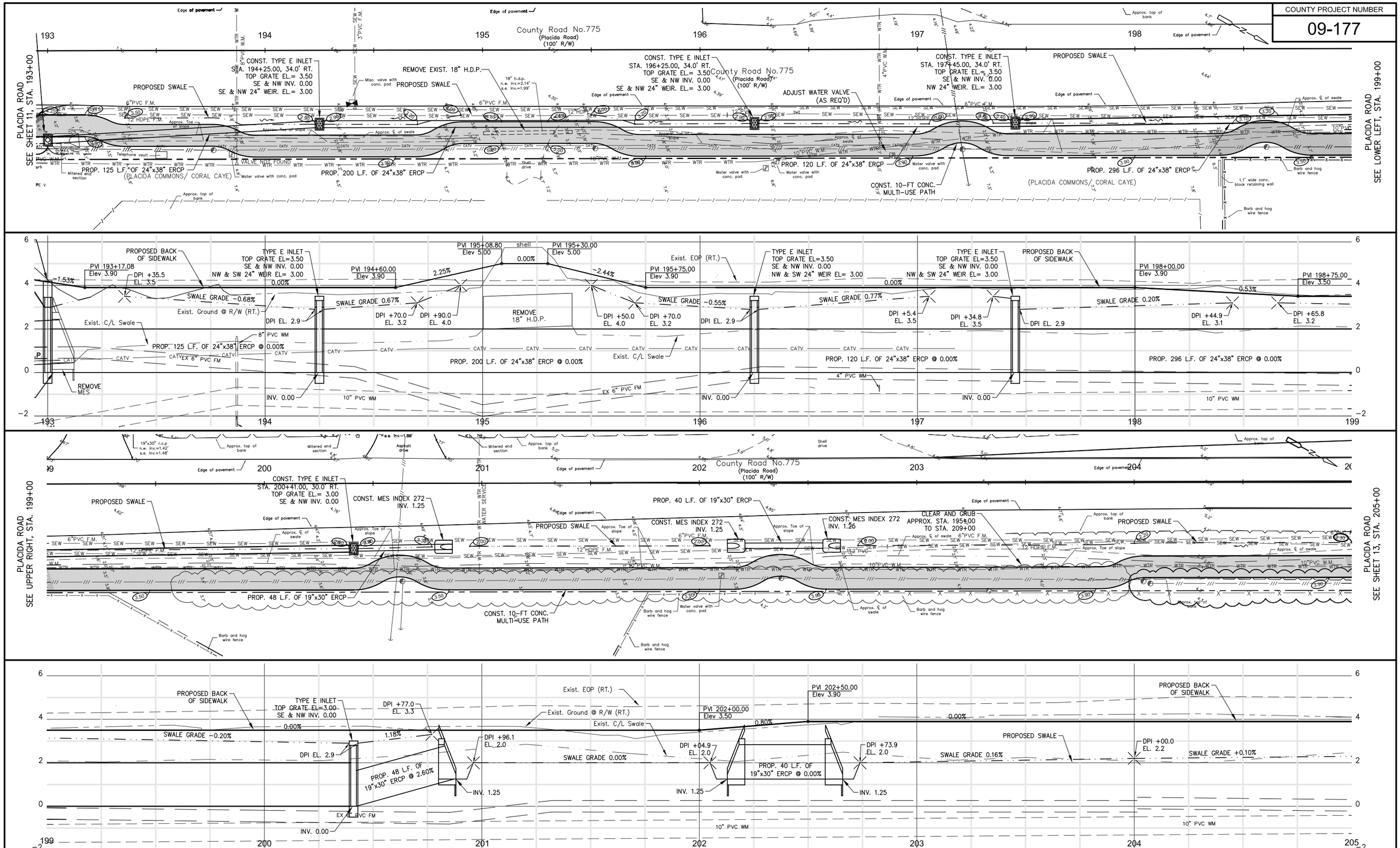

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SECS. 03/42S/20E & 28,33,34/41S/20E			

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
PLAN & PROFILE

SCALE 1"= 20' HORZ. 1"=2' VERT.
SHEET 12 of 23
GWE NO. 5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

COUNTY PROJECT NUMBER

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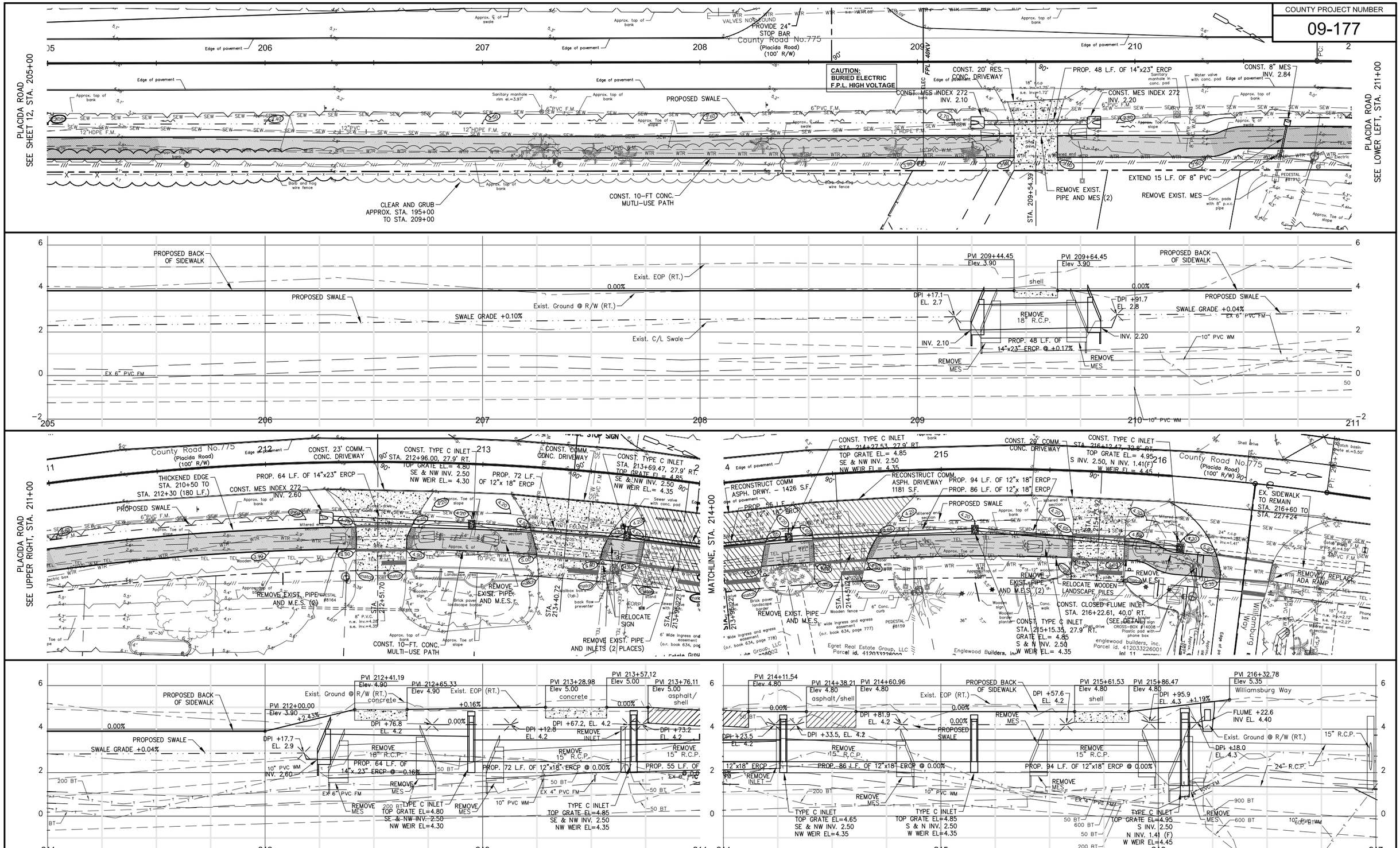

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3-23-16	90% COMMENTS	CVO			

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SECS. 03/42S/20E & 28,33,34/41S/20E			

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
PLAN & PROFILE

SCALE 1"= 20' HORZ. 1"=2' VERT.

SHEET 13 of 23

GWE NO. 5955.20

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A.J. WICKERSON, P.E.
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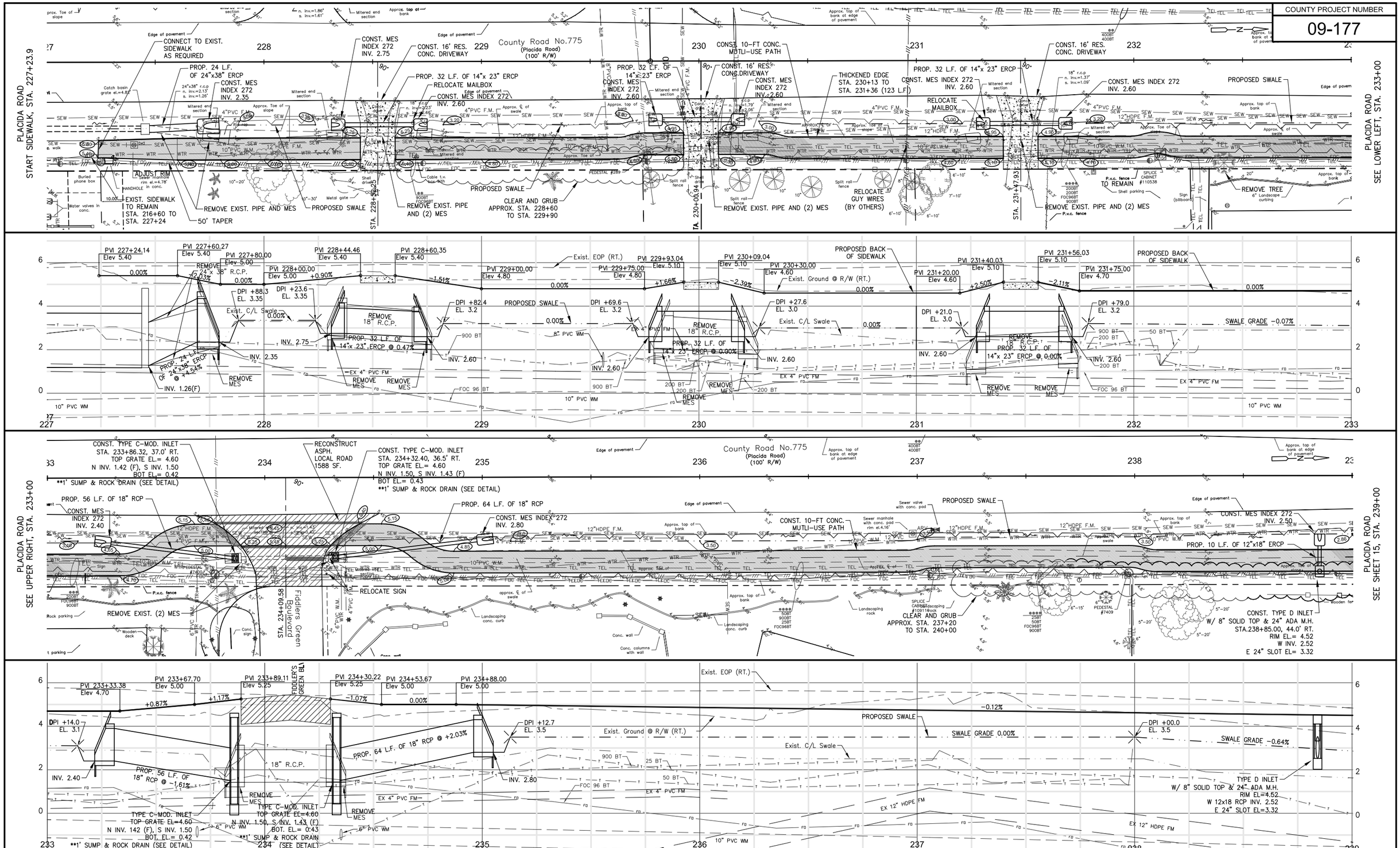

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CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
PLAN & PROFILE

SCALE 1"= 20' HORZ. 1"=2' VERT.
SHEET 14 of 23
GWE NO. 5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

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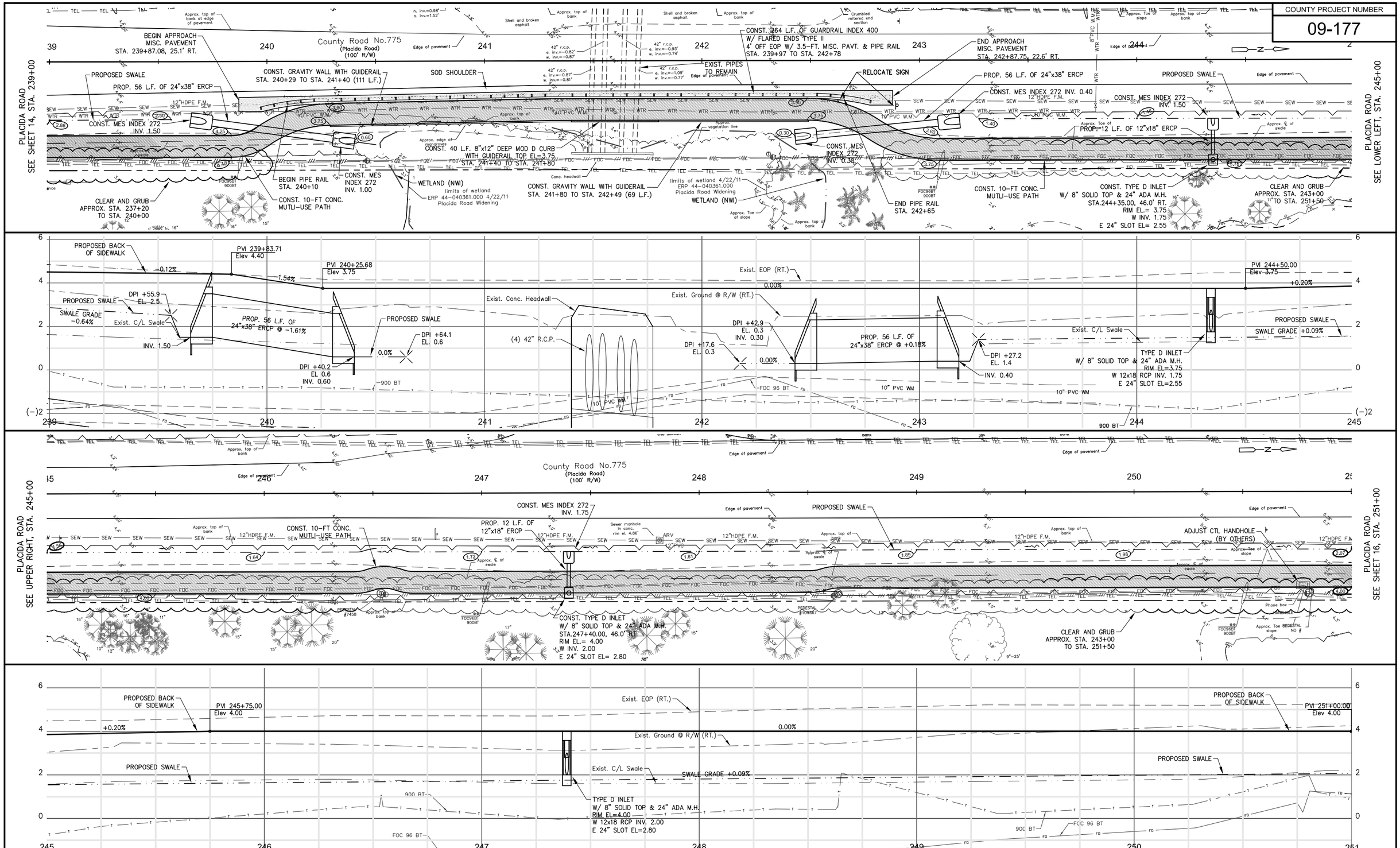

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CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
PLAN & PROFILE

SCALE 1"= 20' HORZ. 1"=2' VERT.
SHEET 15 of 23
GWE NO. 5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

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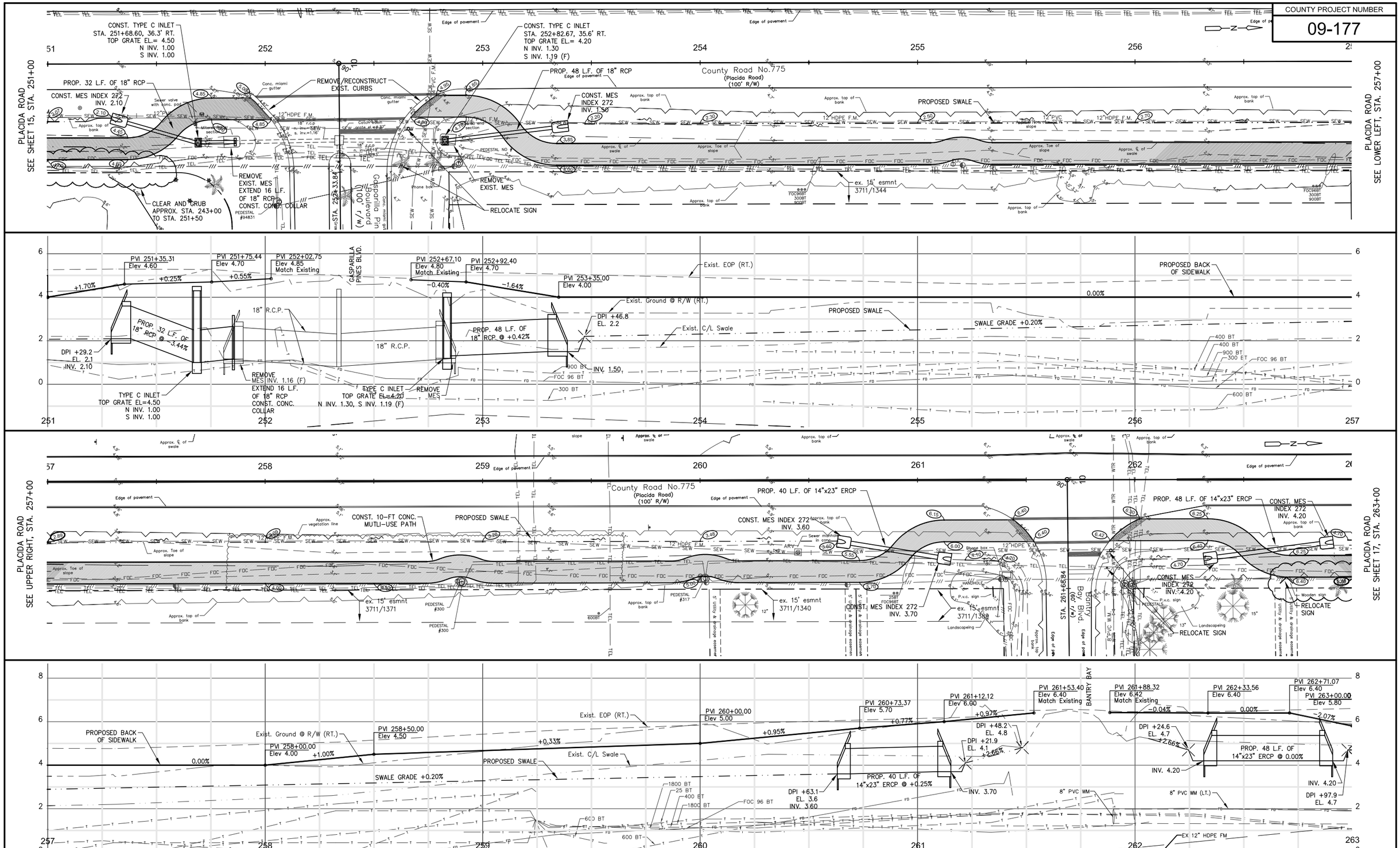

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CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
PLAN & PROFILE

SCALE 1"= 20' HORZ. 1"=2' VERT.

SHEET 16 of 23

GWE NO. 5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

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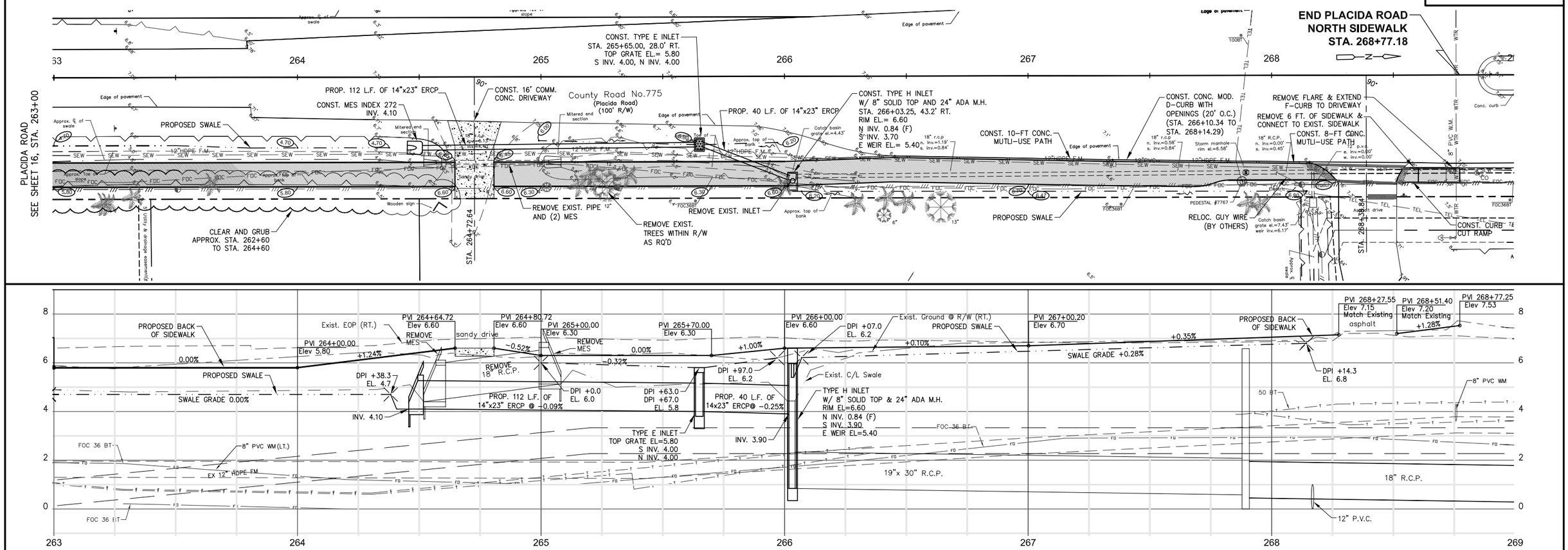

DATE	REVISION	BY	DATE	REVISION	BY
6-17-14	30% COMMENTS	CVO			
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3-23-16	90% COMMENTS	CVO			

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DESIGN	AJW	JHC	12/13
SECS. 03/42S/20E & 28,33,34/41S/20E			

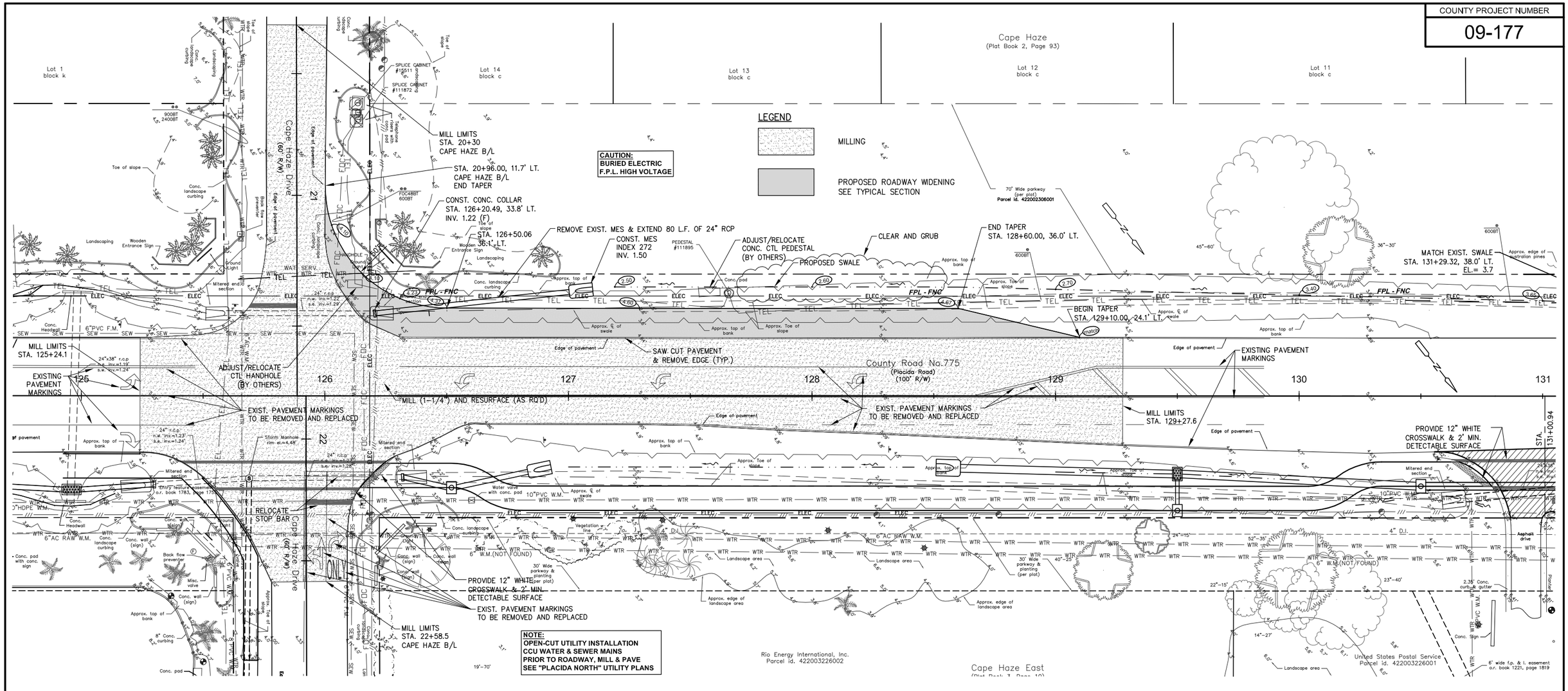
CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

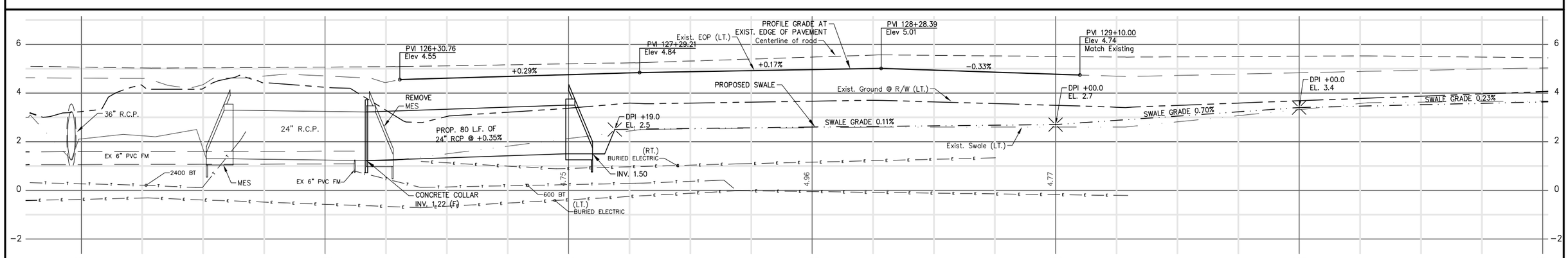
Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
PLAN & PROFILE

SCALE	1"= 20' HORZ. 1"=2' VERT.
SHEET	17 of 23
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

COUNTY PROJECT NUMBER
09-177





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CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Drive Intersection
PLAN & PROFILE

SCALE	1"= 20'
SHEET	18 of 23
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

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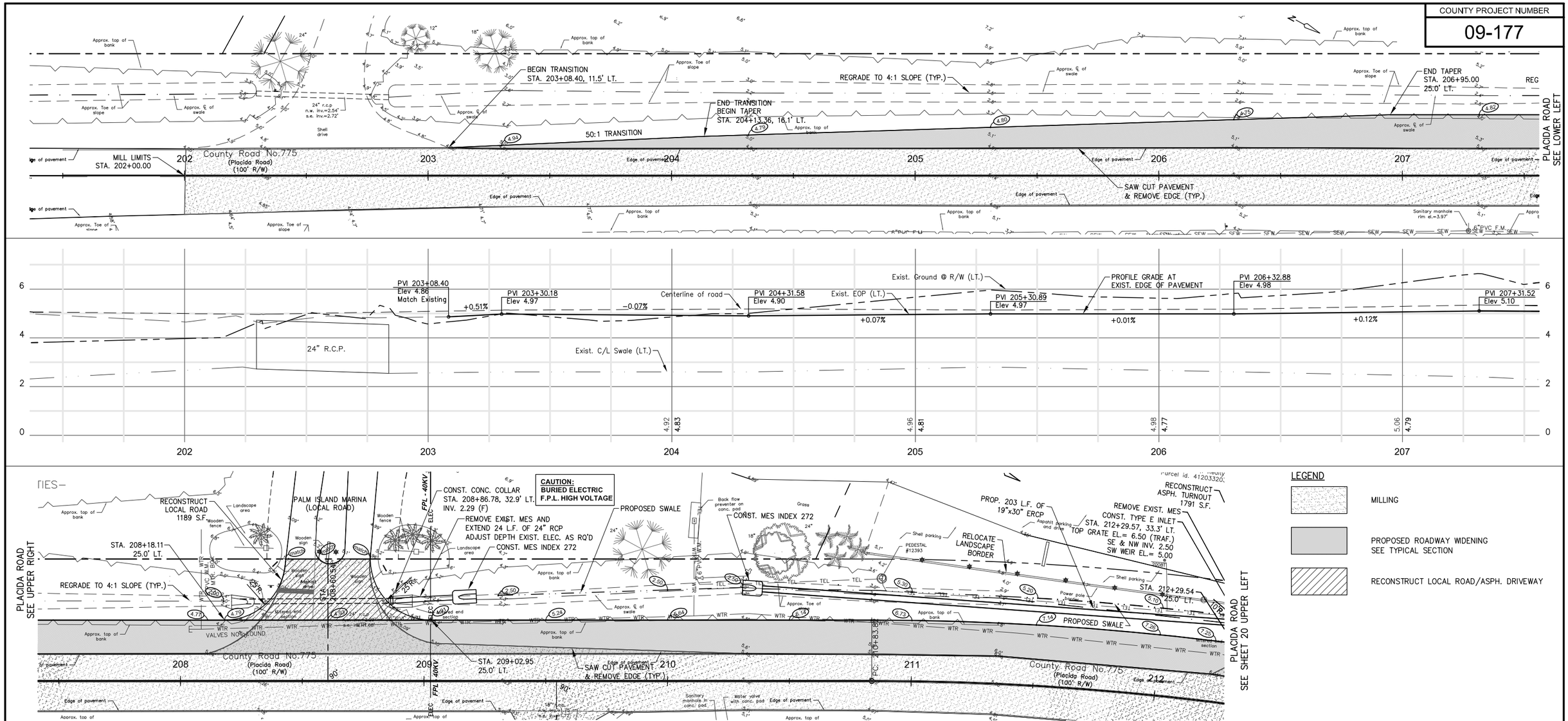

LEGEND

- MILLING
- PROPOSED ROADWAY WIDENING SEE TYPICAL SECTION
- RECONSTRUCT LOCAL ROAD/ASPH. DRIVEWAY

DATE	REVISION	BY	DATE	REVISION	BY
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CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Panama Blvd. Intersection
PLAN & PROFILE

SCALE	1"= 20'
SHEET	19 of 23
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

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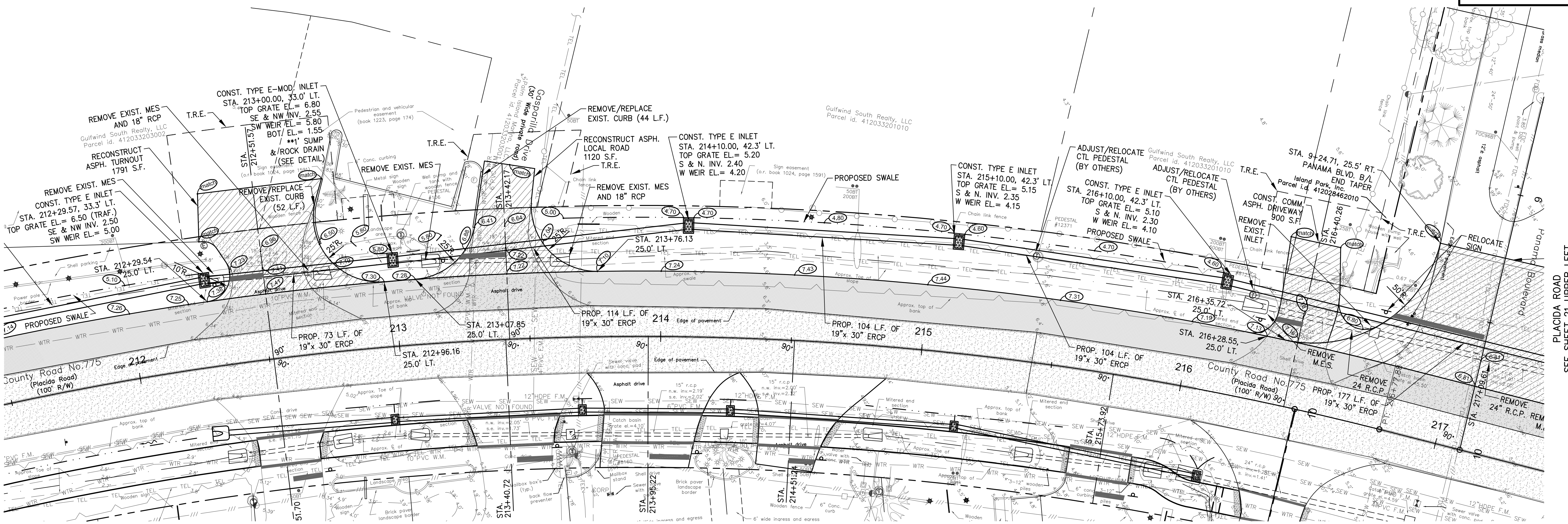
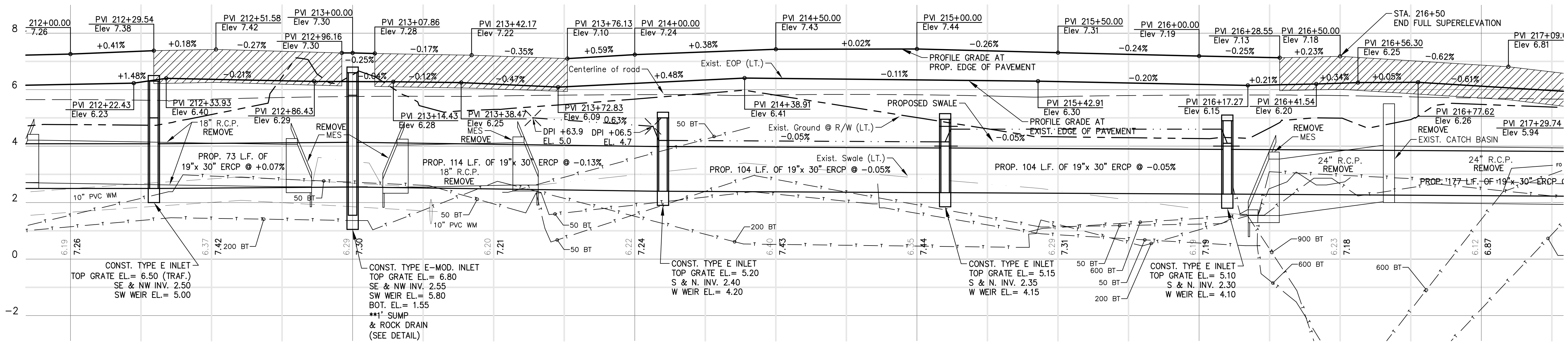


LEGEND

- MILLING
- RECONSTRUCT LOCAL ROAD/ASPH. DRIVEWAY
- PROPOSED ROADWAY WIDENING SEE TYPICAL SECTION



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CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Panama Blvd. Intersection
PLAN & PROFILE

SCALE	1"= 20'
SHEET	20 of 23
GWE NO.	5955.20

ENGINEER OF RECORD
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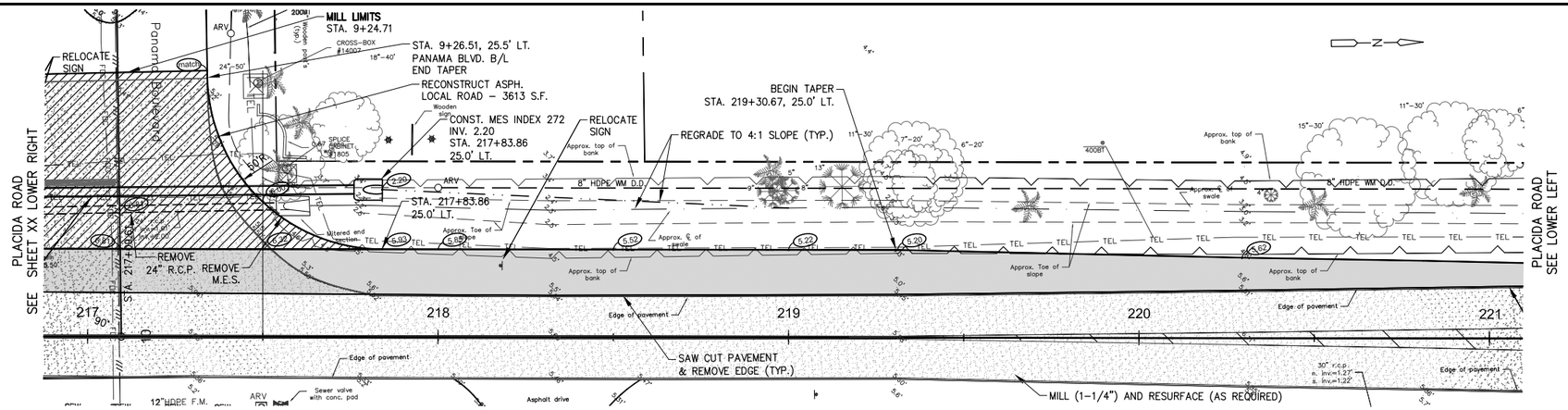

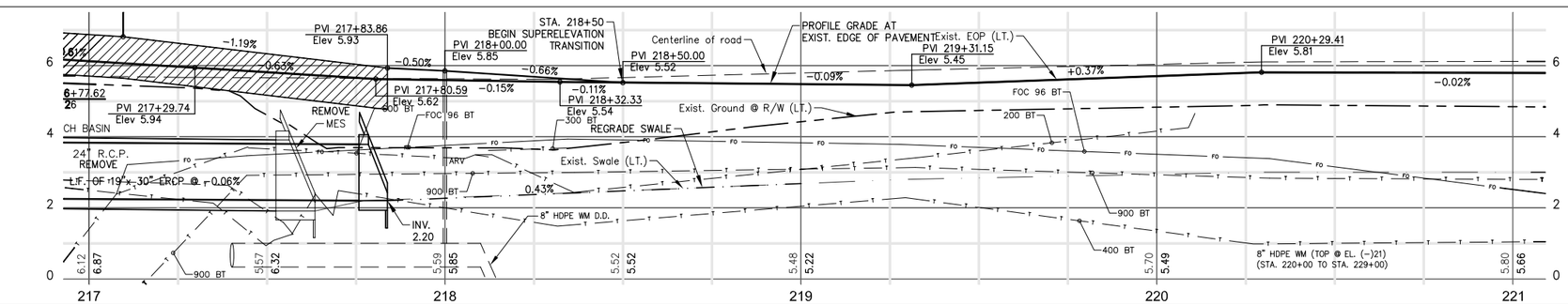

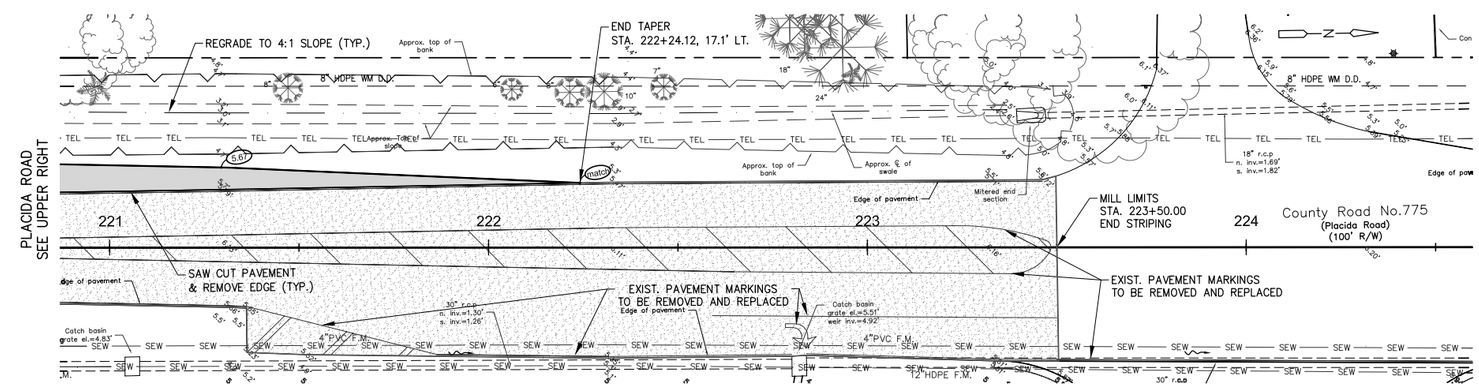

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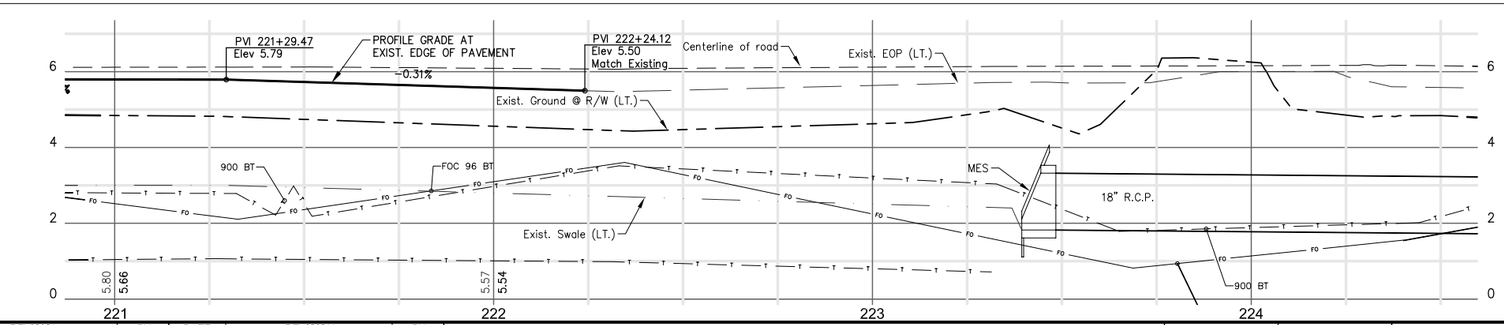
- RECONSTRUCT LOCAL ROAD/ASPH. DRIVEWAY



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CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Panama Blvd. Intersection
PLAN & PROFILE

SCALE	1"= 20'
SHEET	21 of 23
GWE NO.	5955.20

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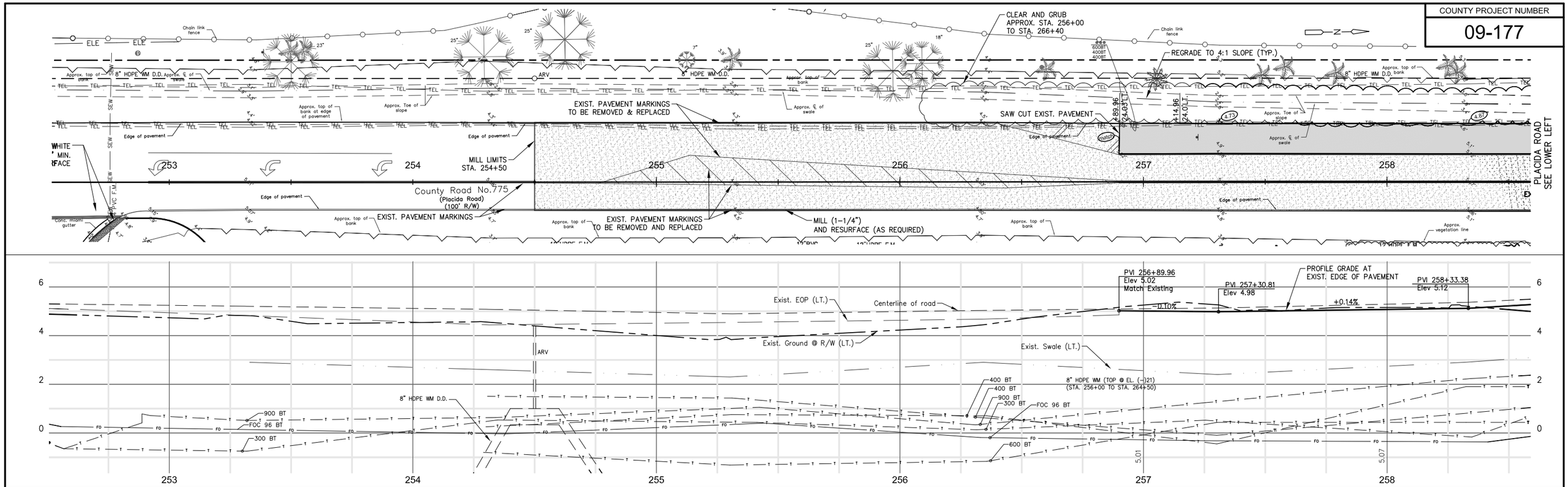

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CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Bantry Bay Boulevard Intersection
PLAN & PROFILE

SCALE	1"= 20'
SHEET	22 of 23
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
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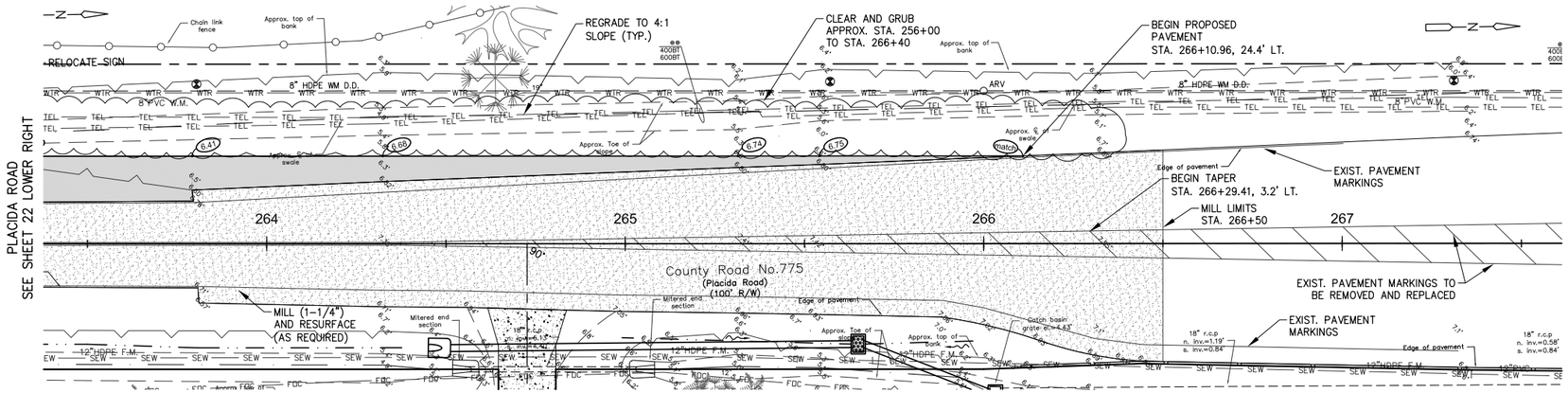
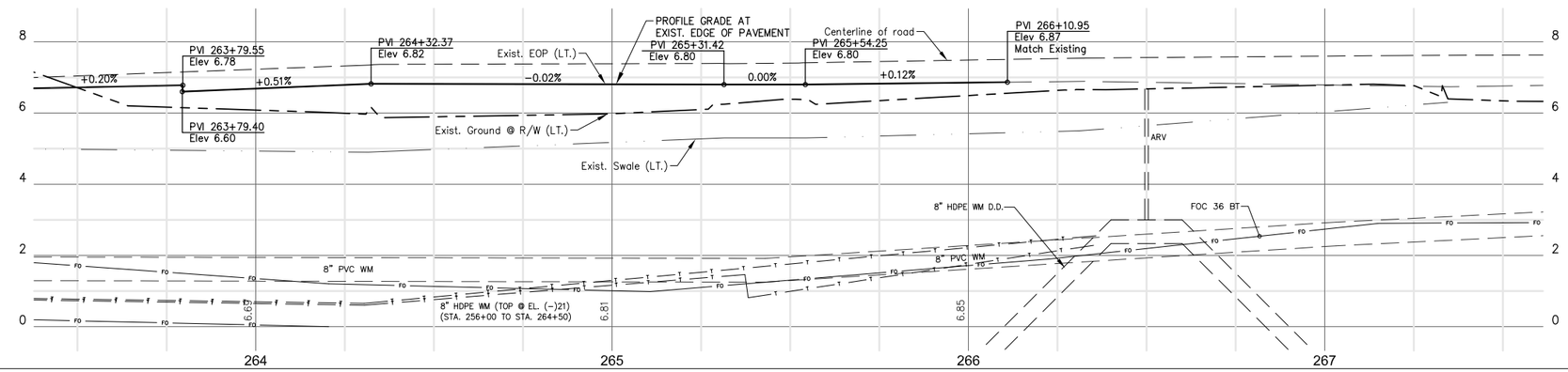


LEGEND

- MILLING
- PROPOSED ROADWAY WIDENING SEE TYPICAL SECTION
- RECONSTRUCT LOCAL ROAD/ASPH. DRIVEWAY



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6-17-14	30% COMMENTS	CVO			
10-22-14	60% COMMENTS	KEF			
3-23-16	90% COMMENTS	CVO			

GWE GIFFELS-WEBSTER ENGINEERS, INC.
Certificate of Authorization No. 3607
900 Pine Street, Suite 225
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Phone (941)475-7981
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DATE 11/06/13	CKD. BY	DATE
DRAWN CVO	JHC	11/13
DESIGN AJW	JHC	12/13
SECS. 03/42S/20E & 28,33,34/41S/20E		

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

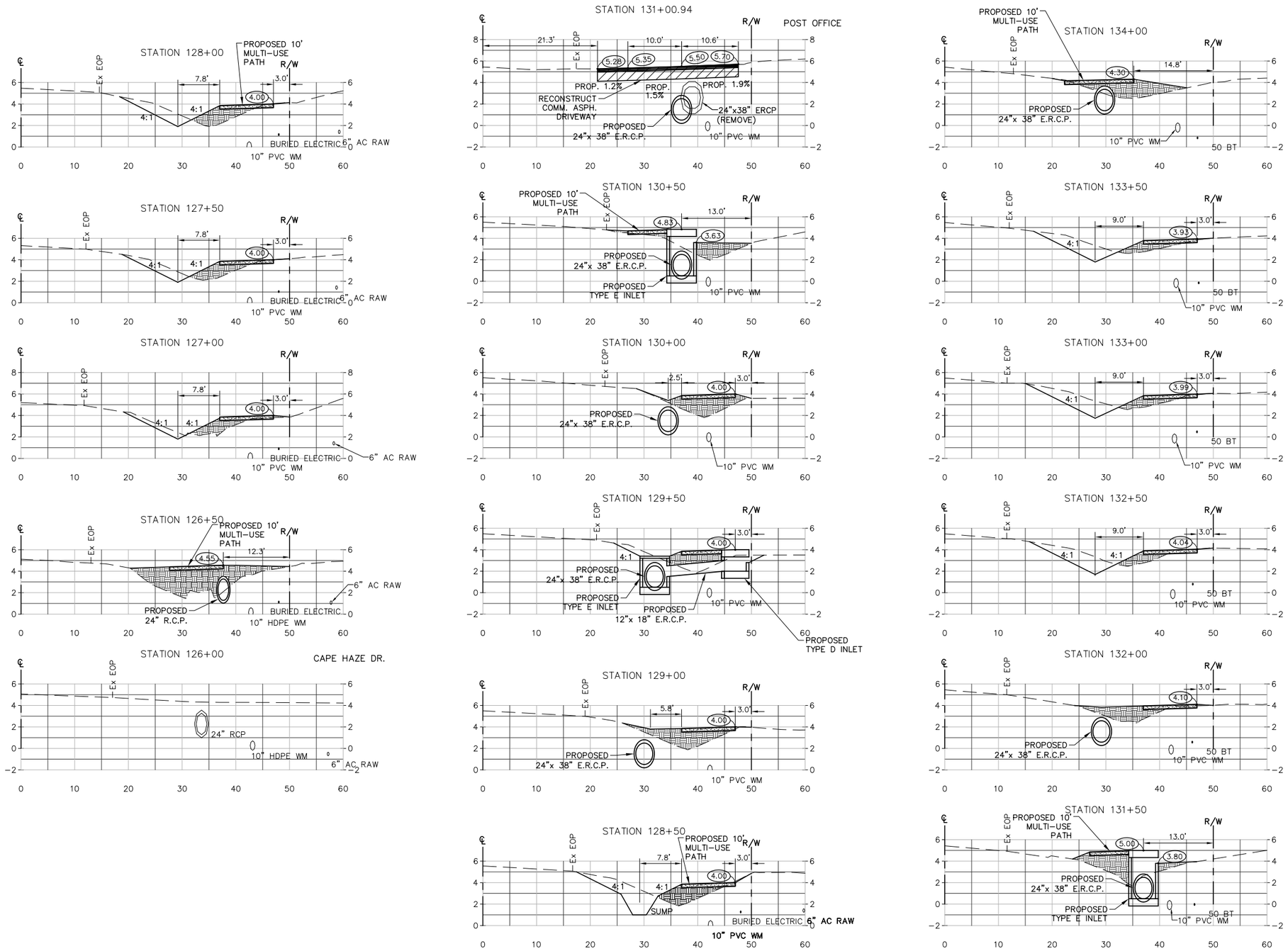
Placida Road Sidewalk Design
Bantry Bay Boulevard Intersection
PLAN & PROFILE

SCALE	1"= 20'
SHEET	23 of 23
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

COUNTY PROJECT NUMBER

09-177



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CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
SIDEWALK CROSS SECTIONS

SCALE 1"= 10' HORZ. 1"=5' VERT.
SHEET XS1
GWE NO. 5955.20

ENGINEER OF RECORD
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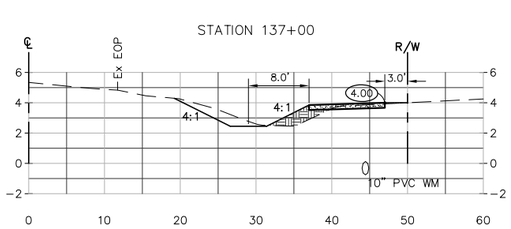

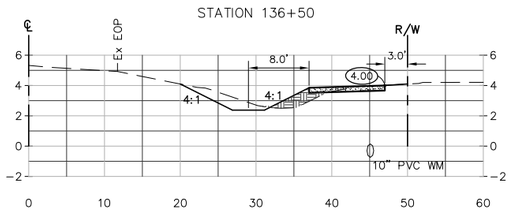

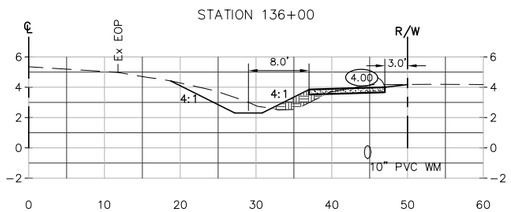

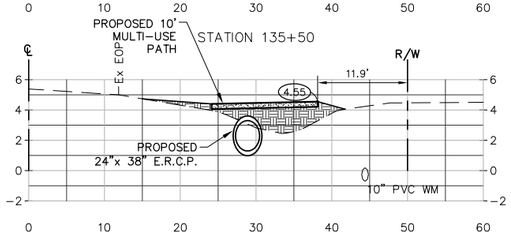

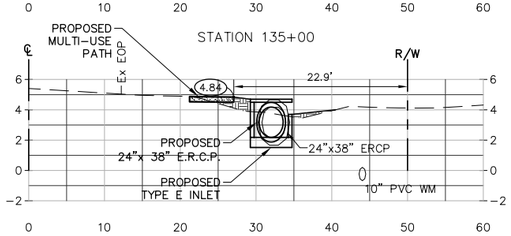

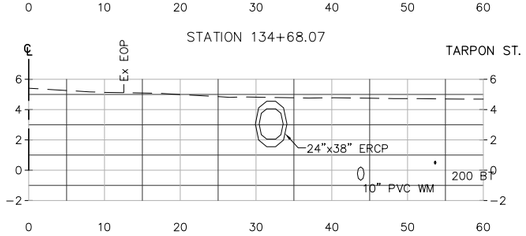

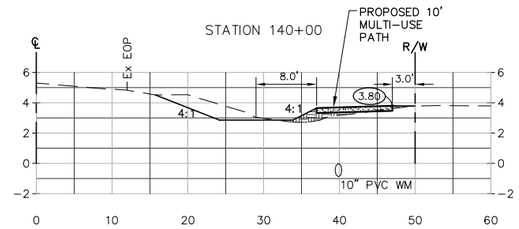

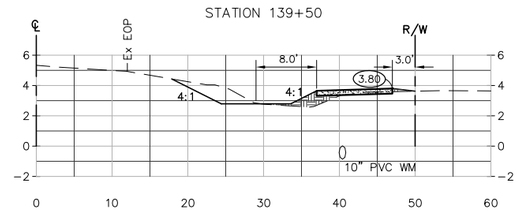

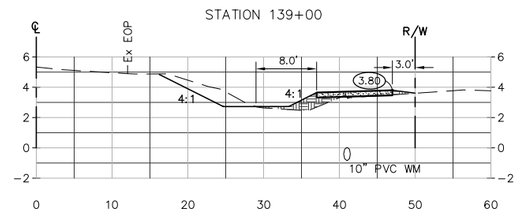

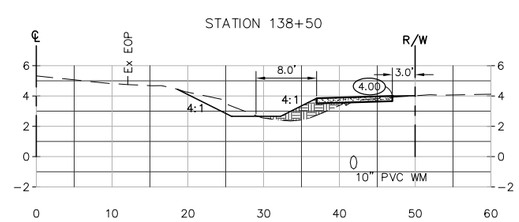

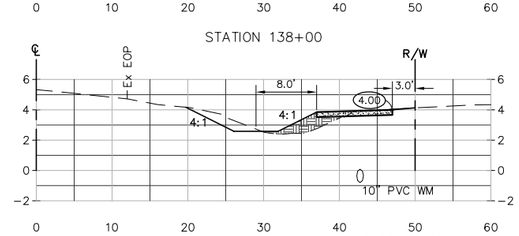

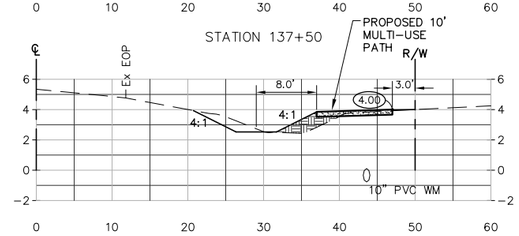

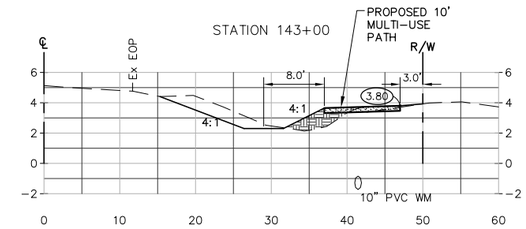

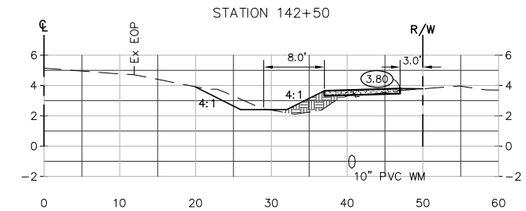

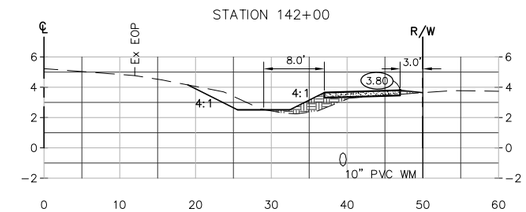

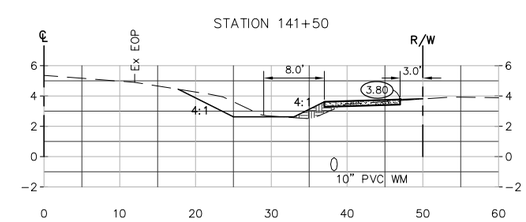

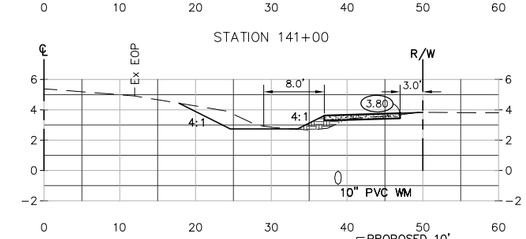

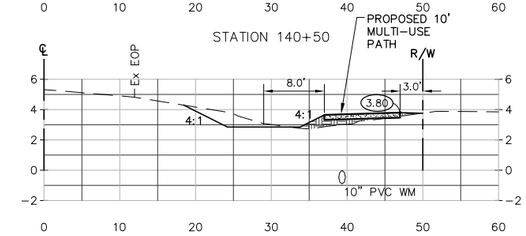

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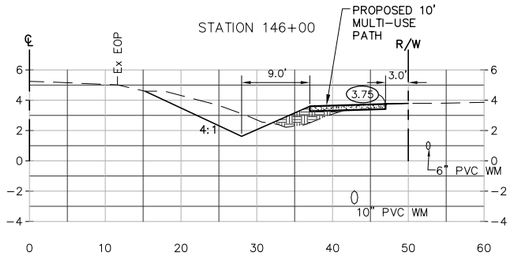

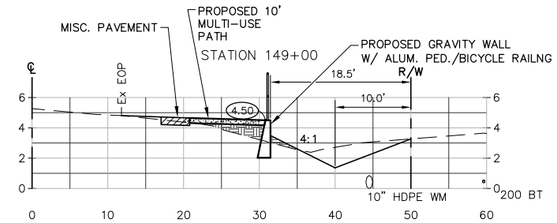

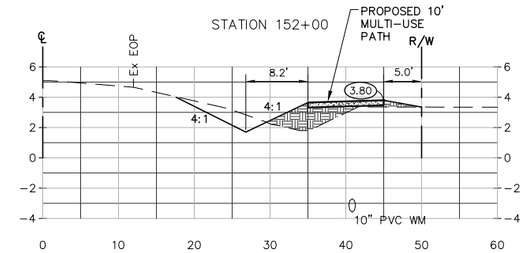

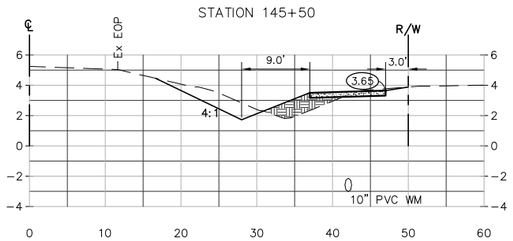

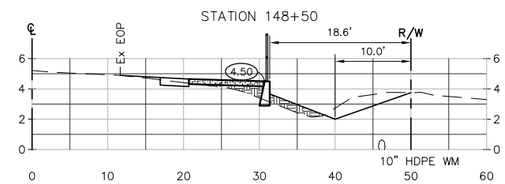

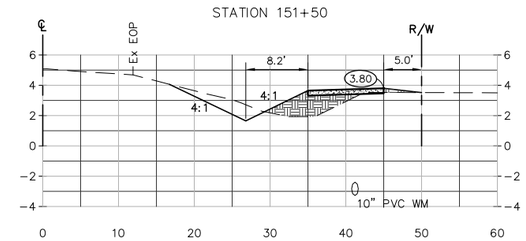

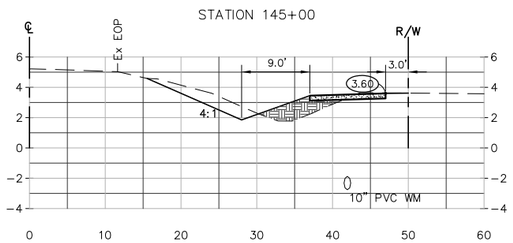

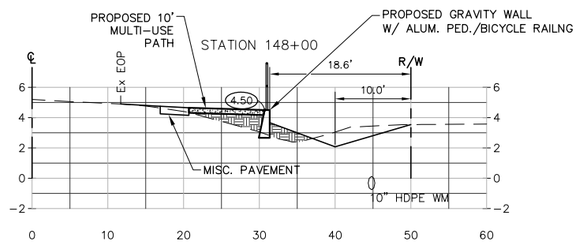

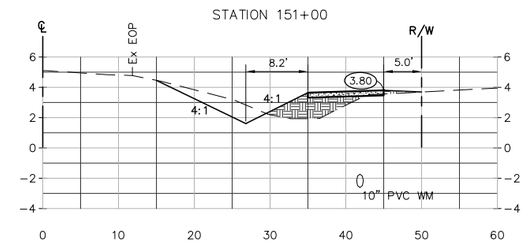

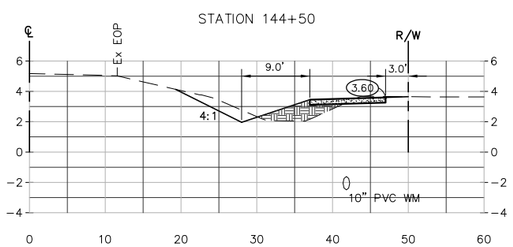

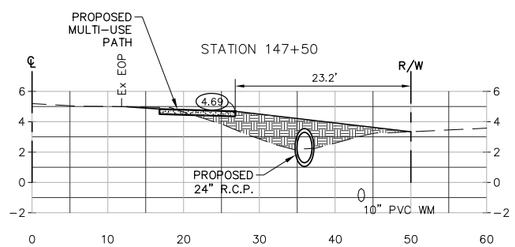

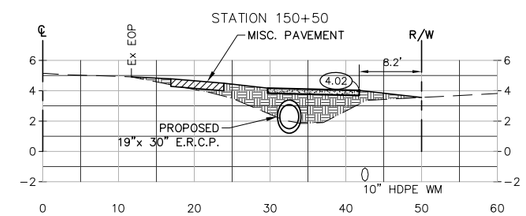

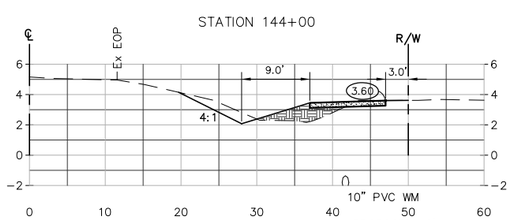

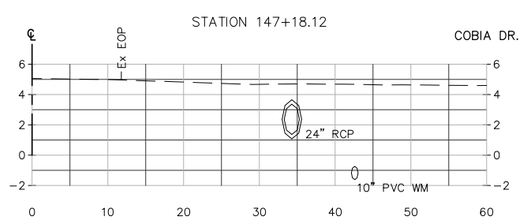

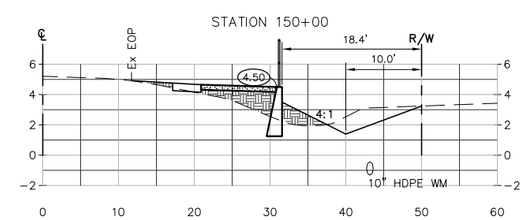

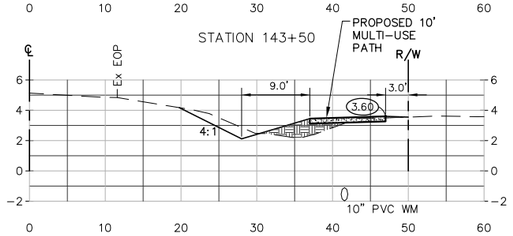

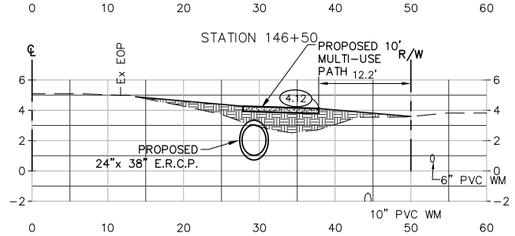

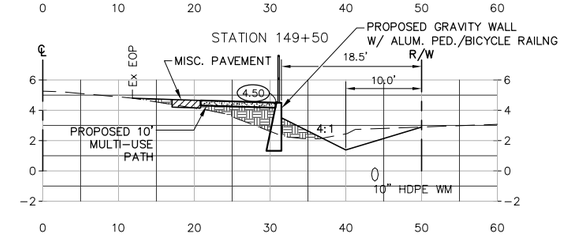

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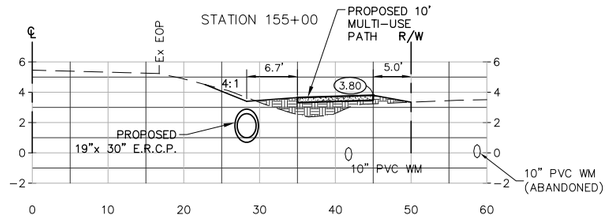

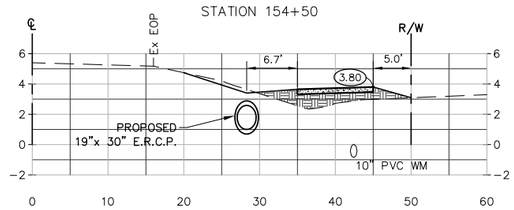

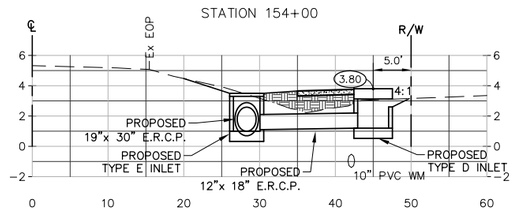

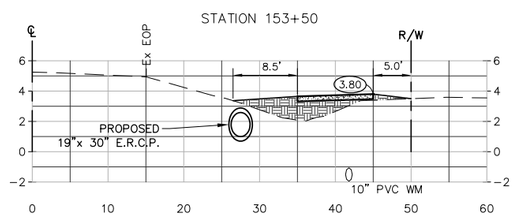

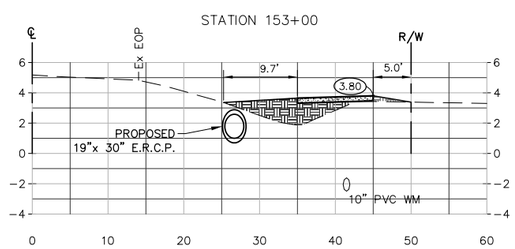

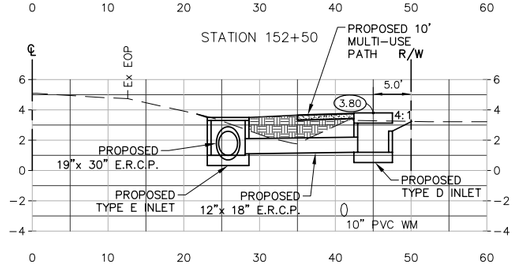

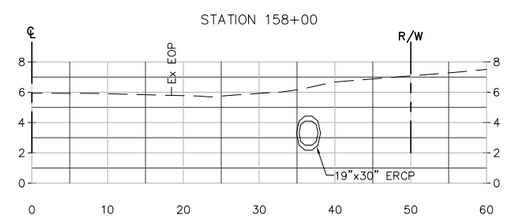

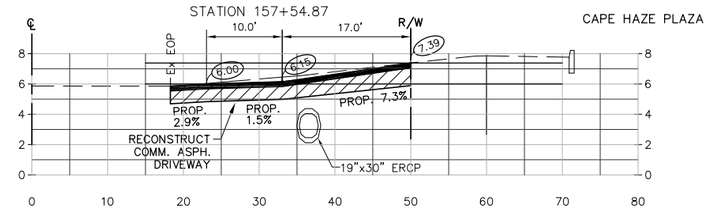

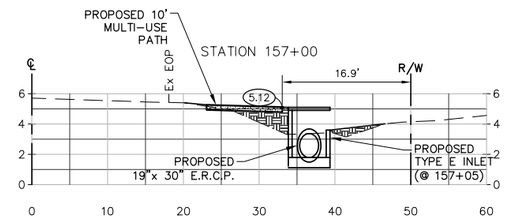

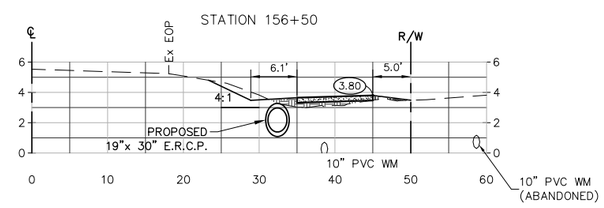

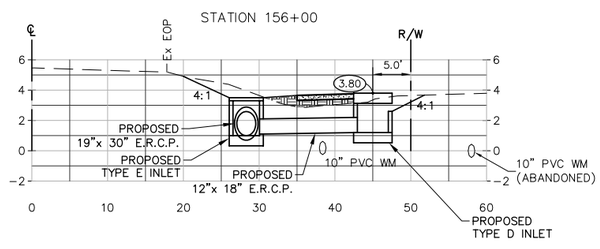

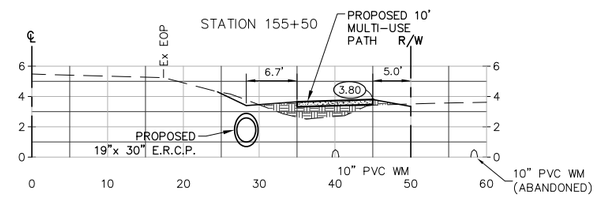

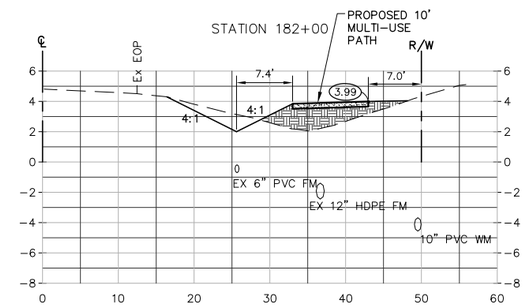

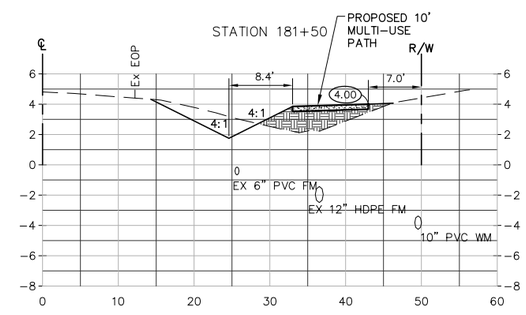

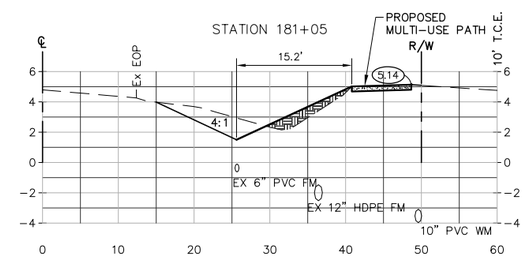

DATE	REVISION	BY	DATE	REVISION	BY
6-17-14	30% COMMENTS	KEF			
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GWE GIFFELS-WEBSTER ENGINEERS, INC.
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Fax (941)474-4285

DATE 12/13/13	CKD. BY	DATE
DRAWN CVO	JHC	12/13
DESIGN AJW	JHC	12/13
SECS. 03/42S/20E & 28,33,34/41S/20E		

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
SIDEWALK CROSS SECTIONS

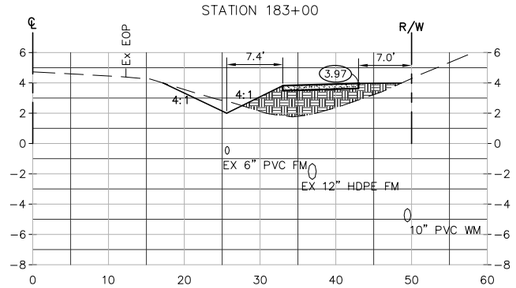
SCALE 1"= 10' HORZ. 1"=5' VERT.
SHEET XS4
GWE NO. 5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

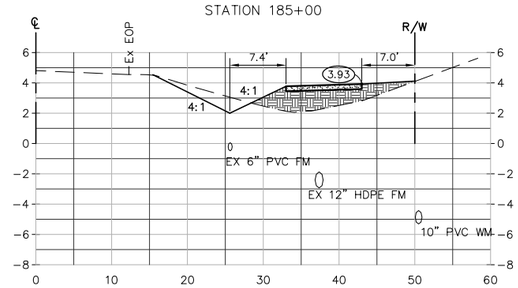
COUNTY PROJECT NUMBER

09-177

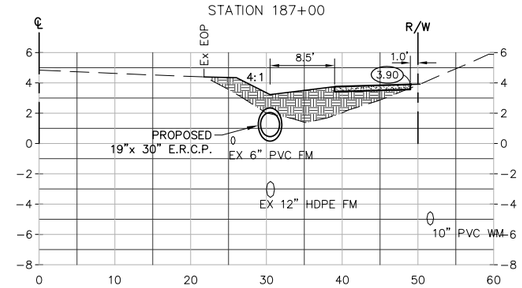
STATION 183+00



STATION 185+00



STATION 187+00



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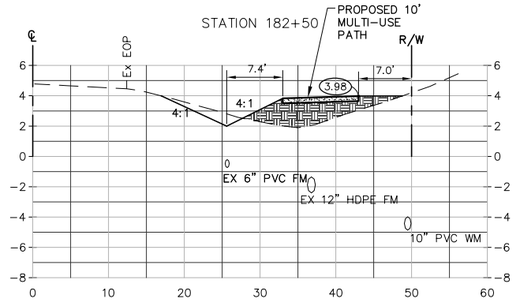

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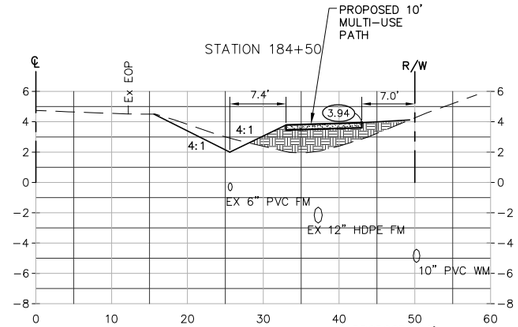

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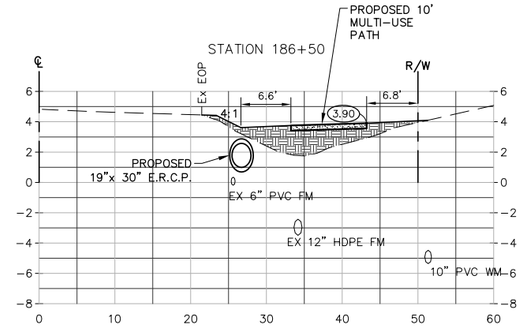

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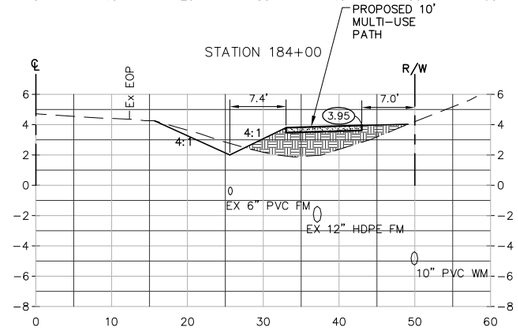

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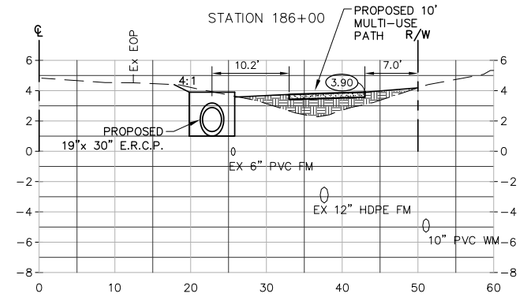

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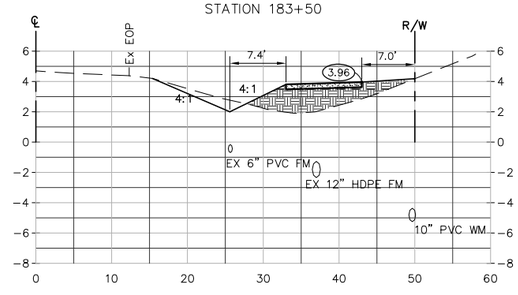

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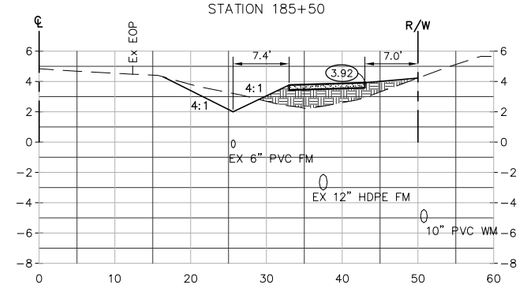

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SHEET XS5

GWE NO. 5955.20

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COUNTY PROJECT NUMBER

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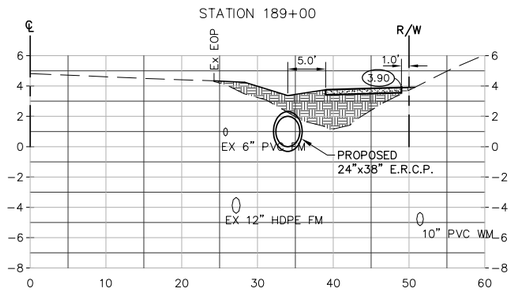

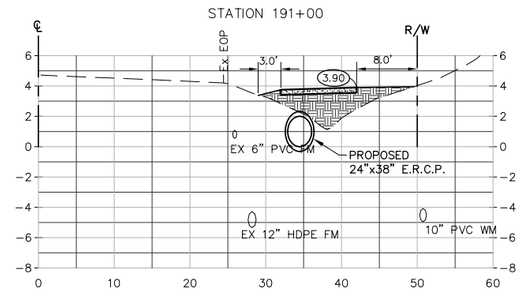

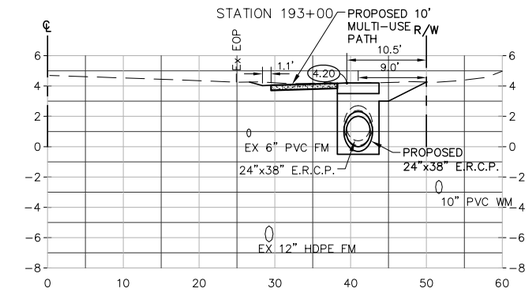

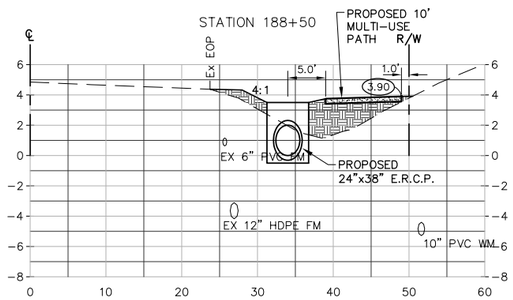

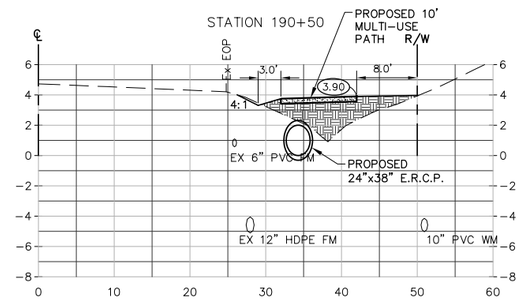

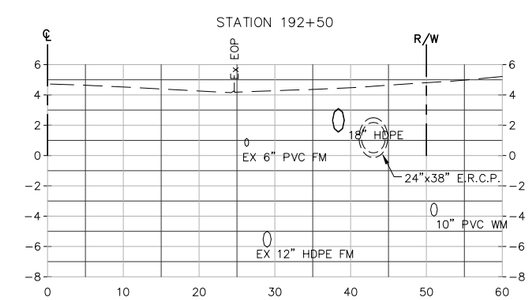

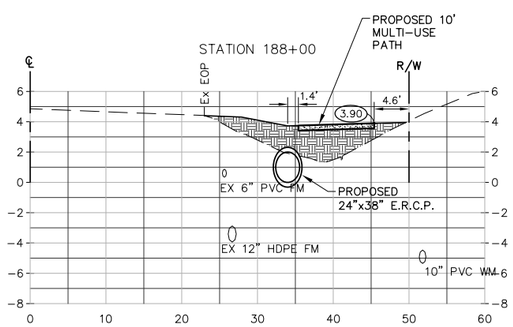

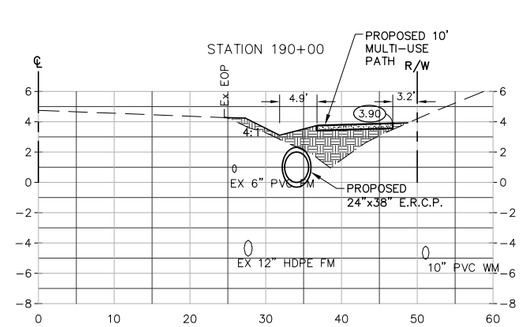

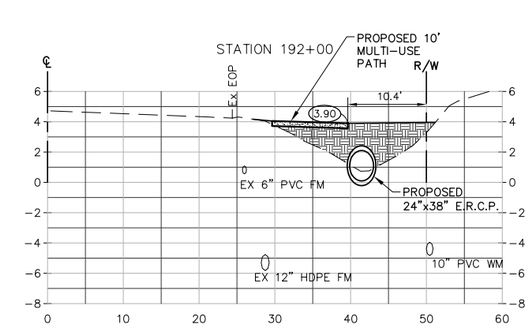

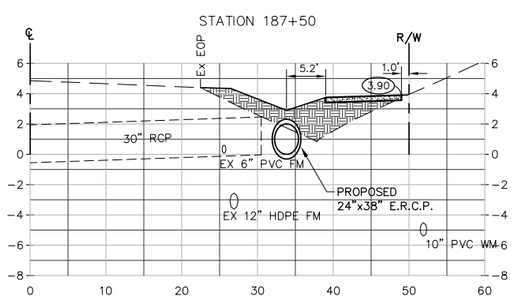

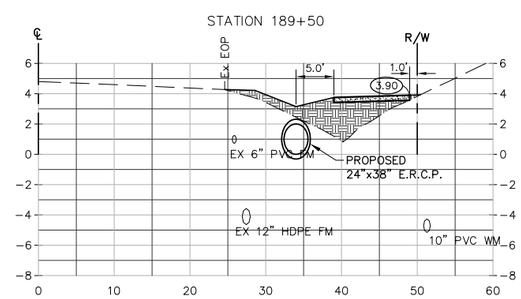

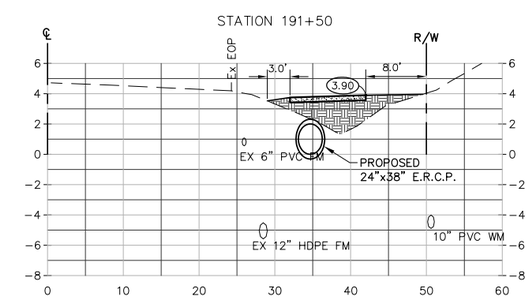

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SHEET XS6
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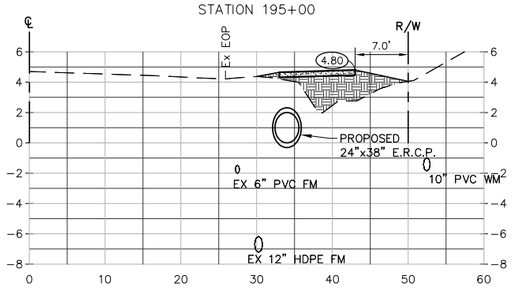
ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

COUNTY PROJECT NUMBER

09-177

STATION 195+00



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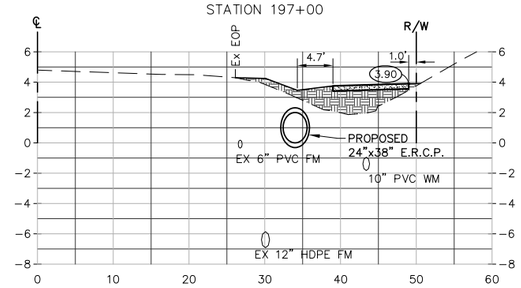

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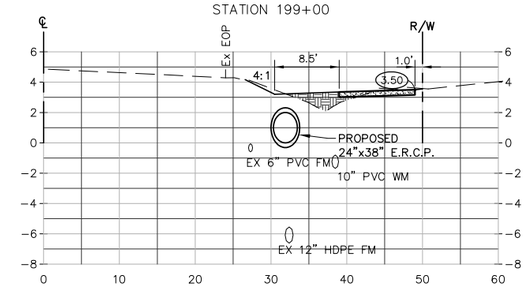
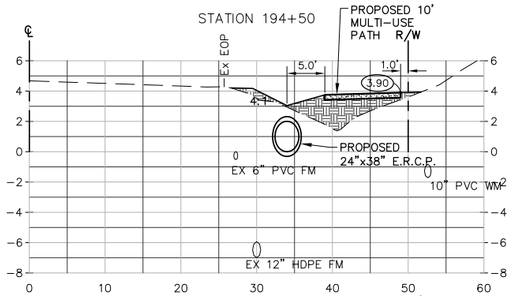


STATION 194+50



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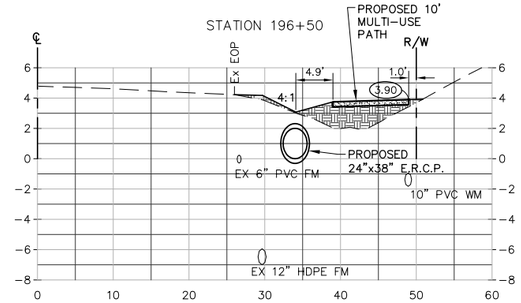

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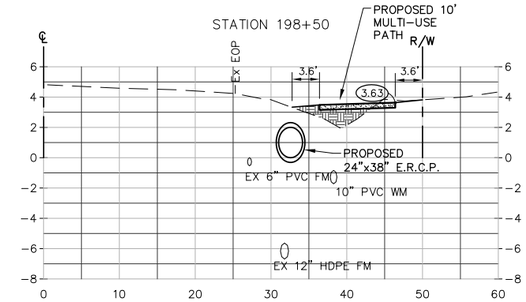

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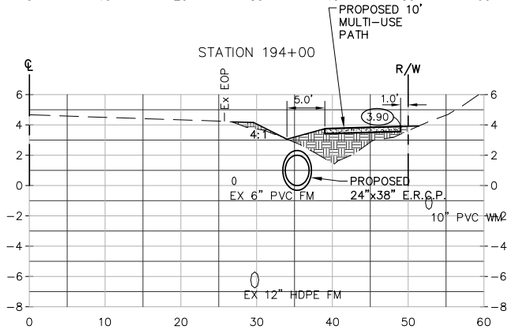

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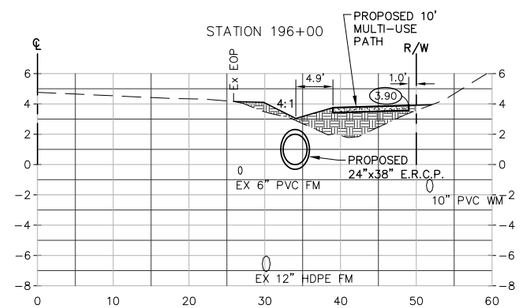

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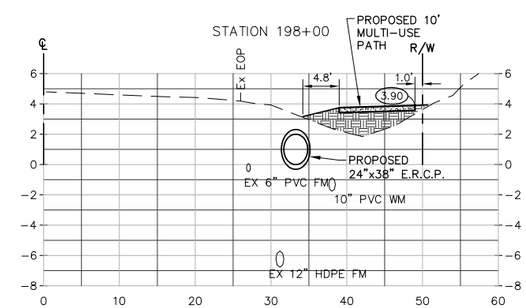

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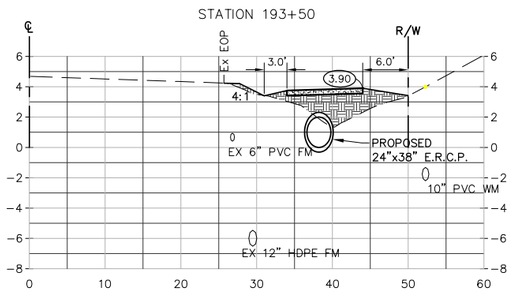

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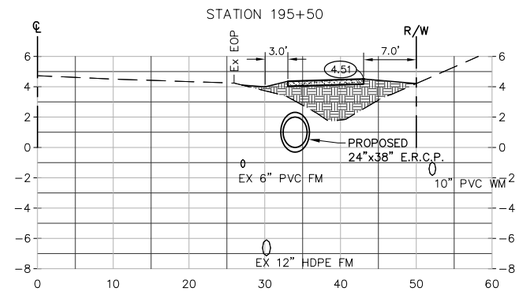

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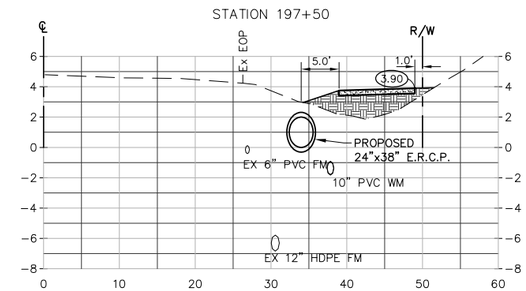

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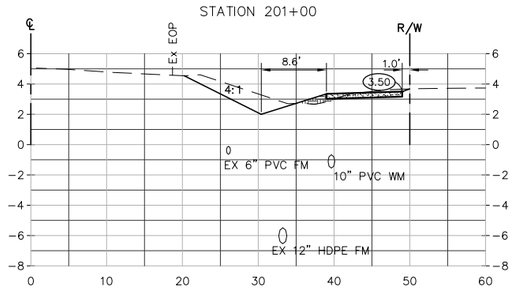

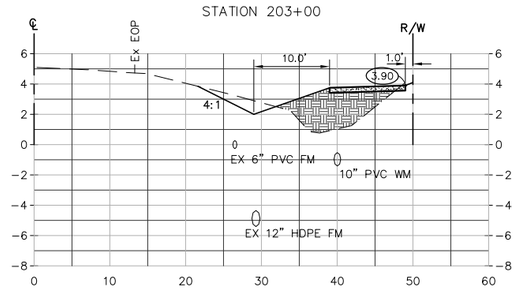

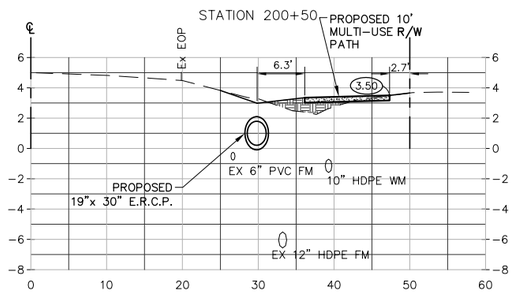

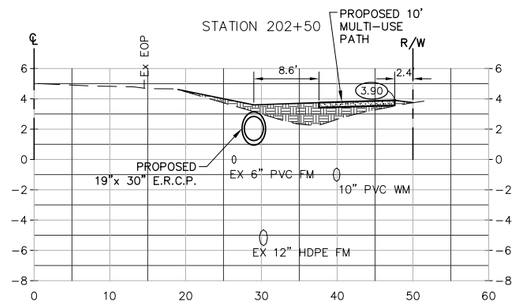

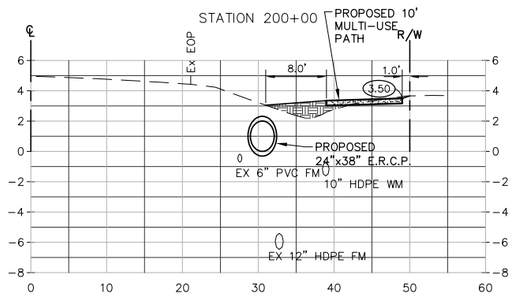

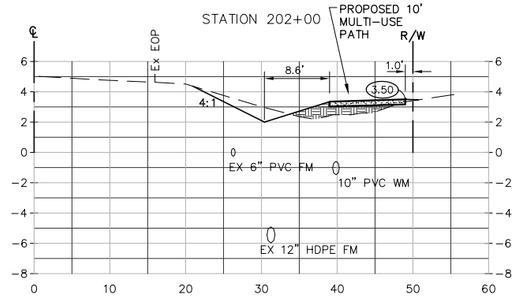

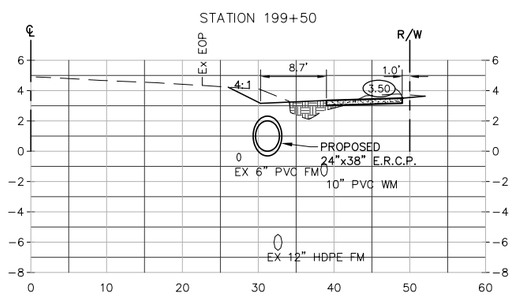

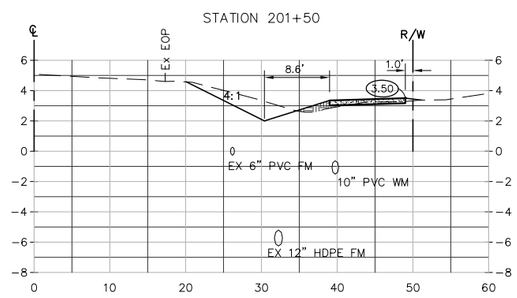

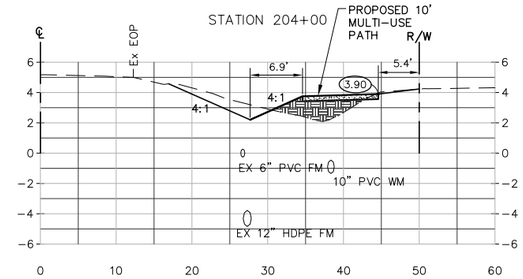

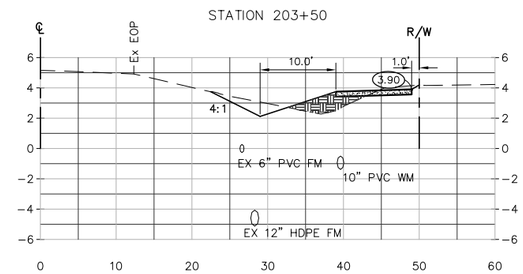

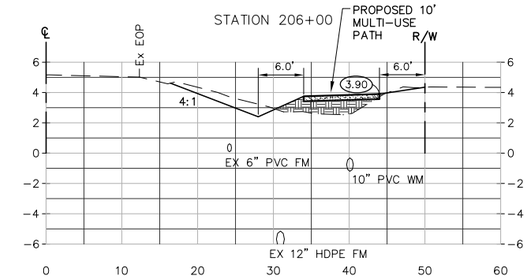

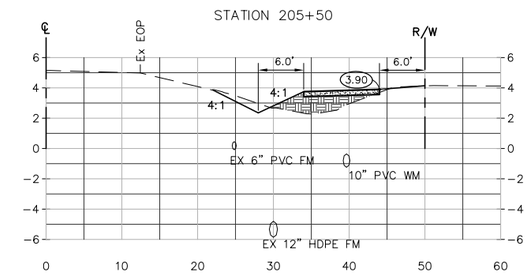

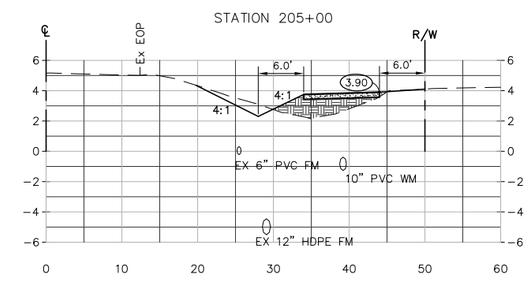

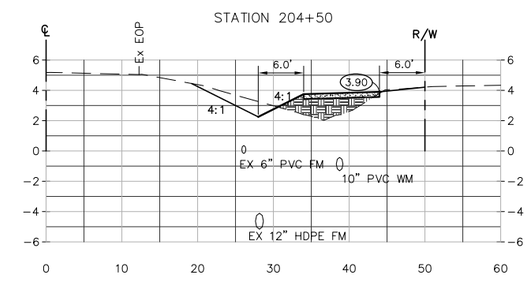

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Fax (941)474-4285

DATE	12/13/13	CKD. BY	DATE
DRAWN	CVO	JHC	12/13
DESIGN	AJW	JHC	12/13
SECS. 03/42S/20E & 28,33,34/41S/20E			

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

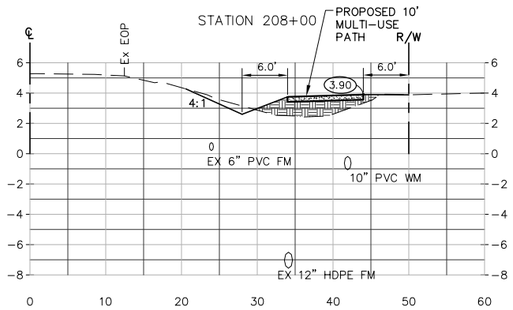
Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
SIDEWALK CROSS SECTIONS

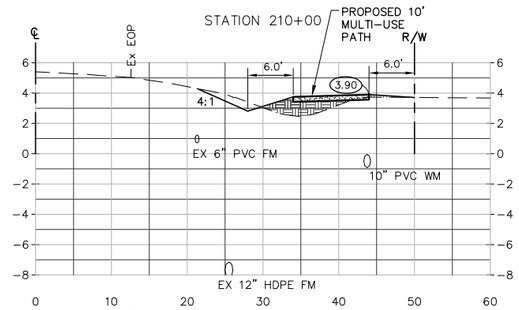
SCALE	1"= 10' HORZ. 1"=5' VERT.
SHEET	XS8
GWE NO.	5955.20

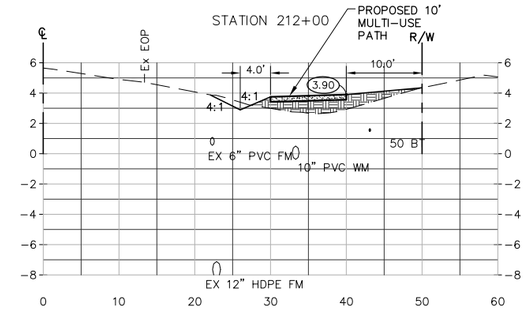
ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

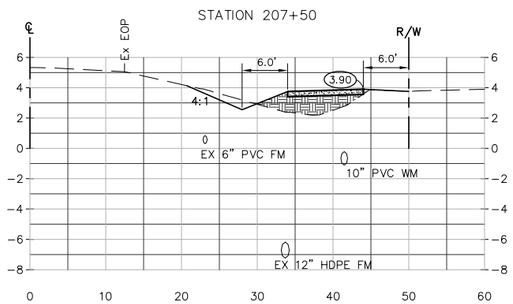
COUNTY PROJECT NUMBER

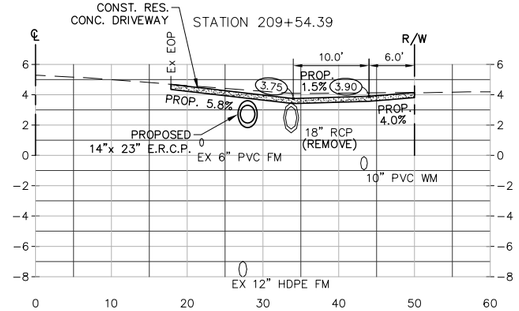
09-177

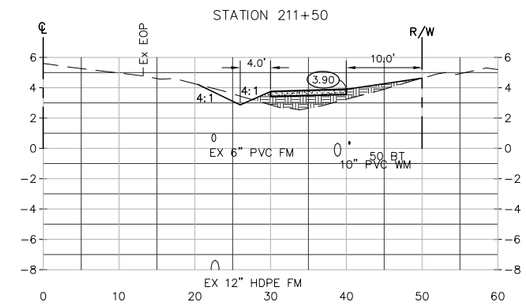


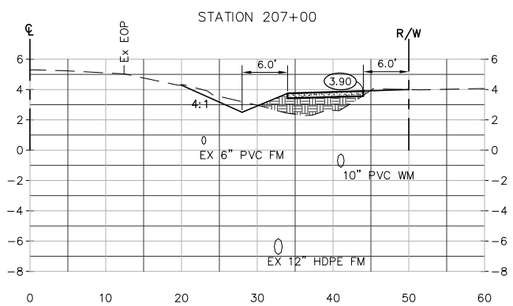


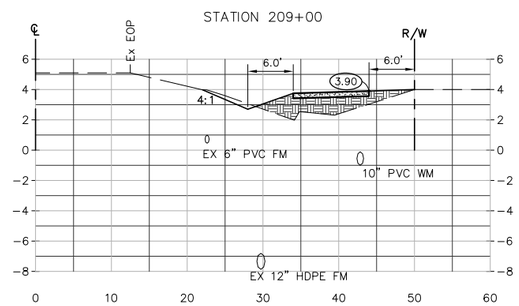


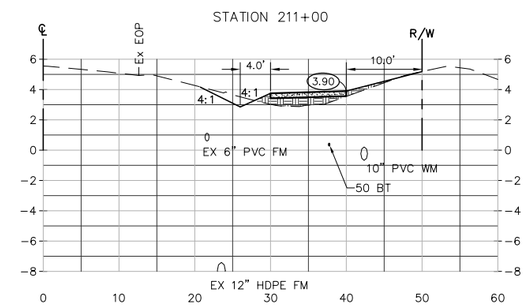


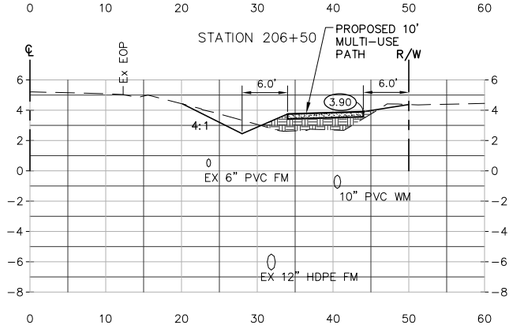


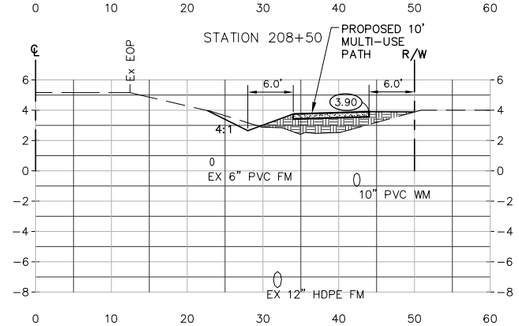


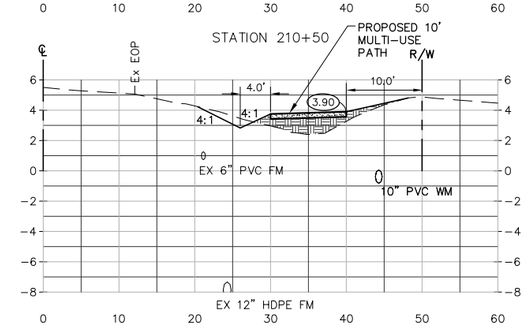












DATE	REVISION	BY	DATE	REVISION	BY
6-17-14	30% COMMENTS	KEF			
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GWE GIFFELS-WEBSTER ENGINEERS, INC.
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CHARLOTTE COUNTY
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ENGINEERING

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SHEET XS9
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A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

COUNTY PROJECT NUMBER

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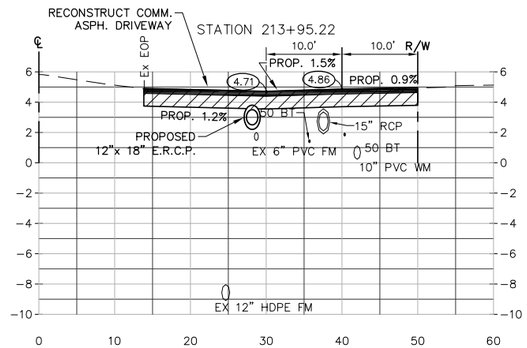

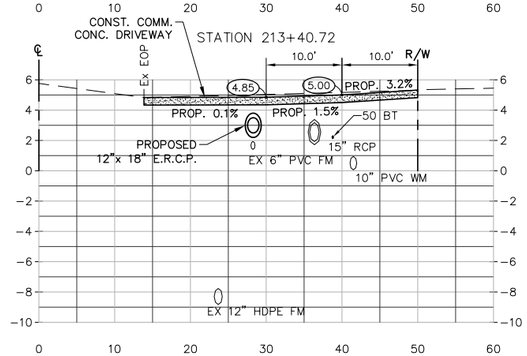

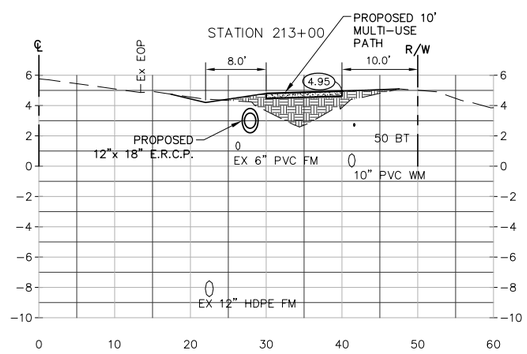

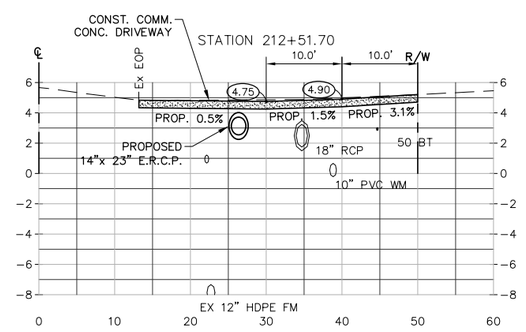

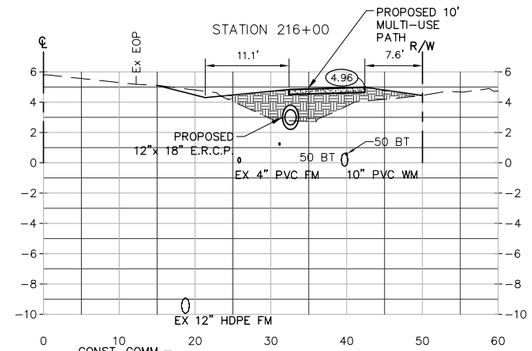

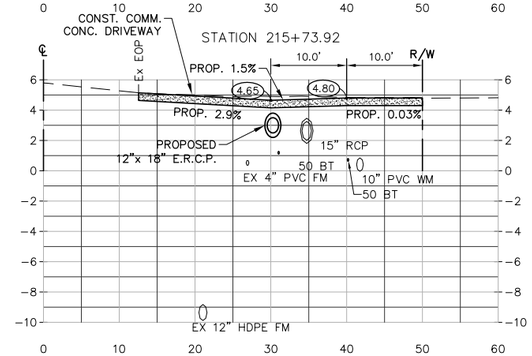

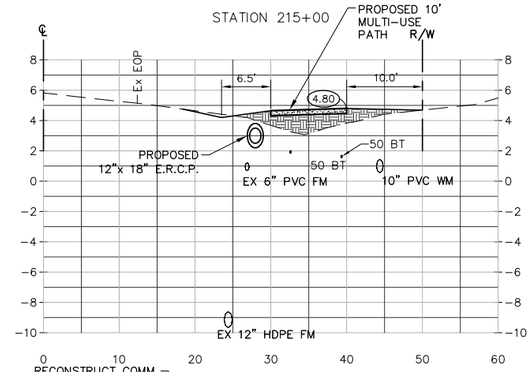

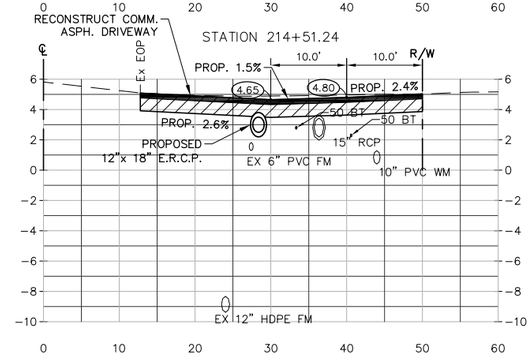

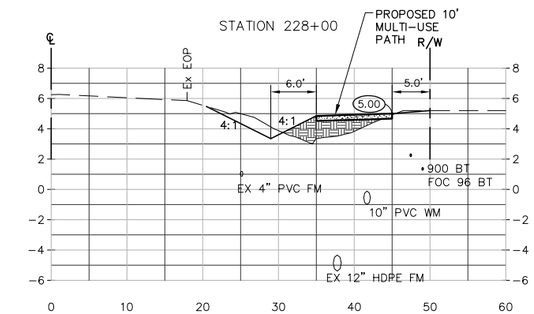

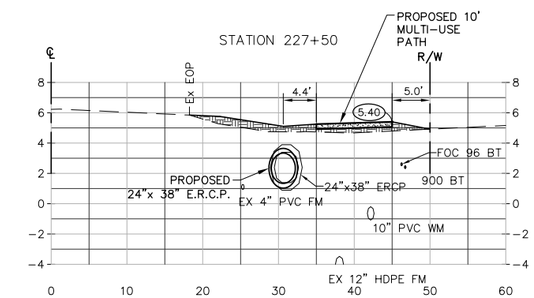

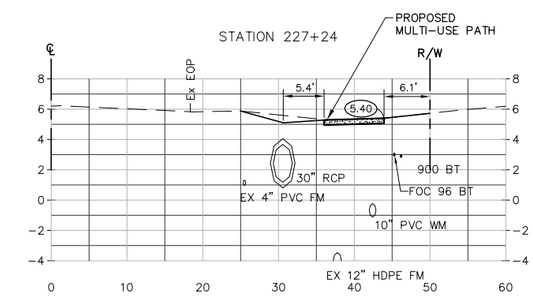

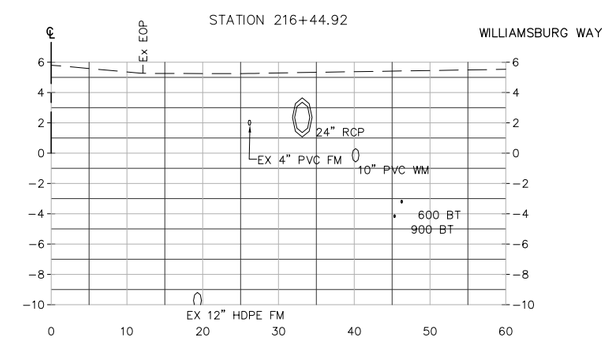

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DESIGN	AJW	JHC	12/13
SECS. 03/42S/20E & 28,33,34/41S/20E			

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

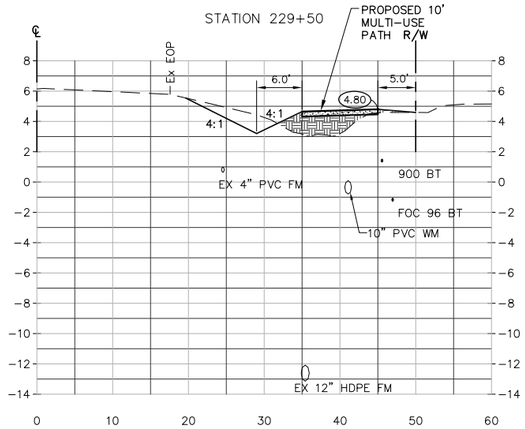
Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
SIDEWALK CROSS SECTIONS

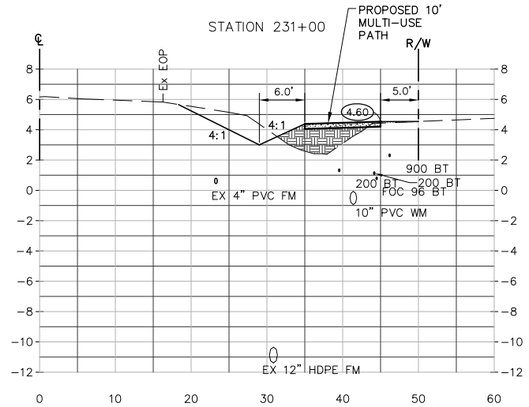
SCALE 1"= 10' HORZ. 1"=5' VERT.
SHEET XS10
GWE NO. 5955.20

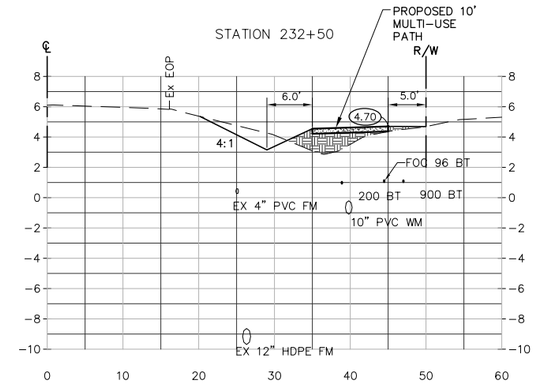
ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

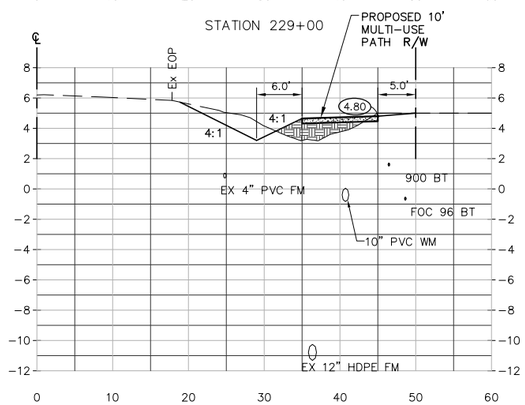
COUNTY PROJECT NUMBER

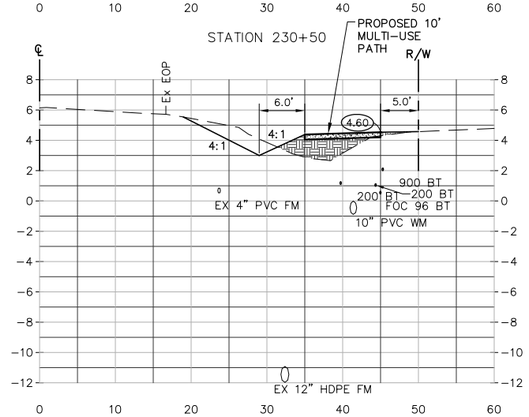
09-177

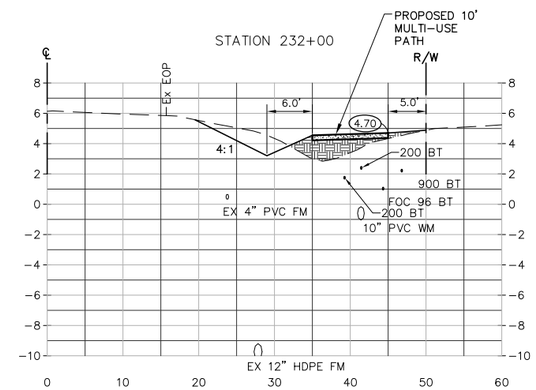


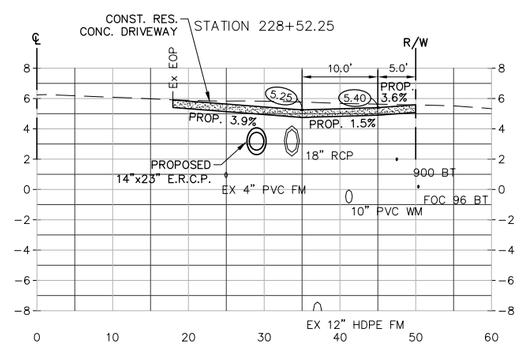


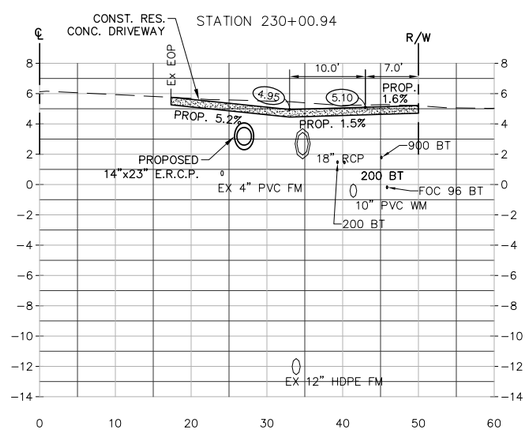


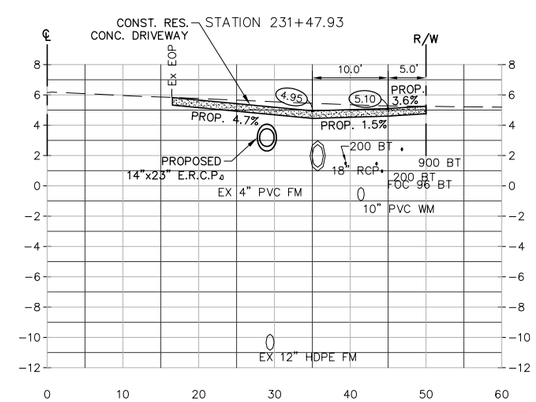












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6-17-14	30% COMMENTS	KEF			
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CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

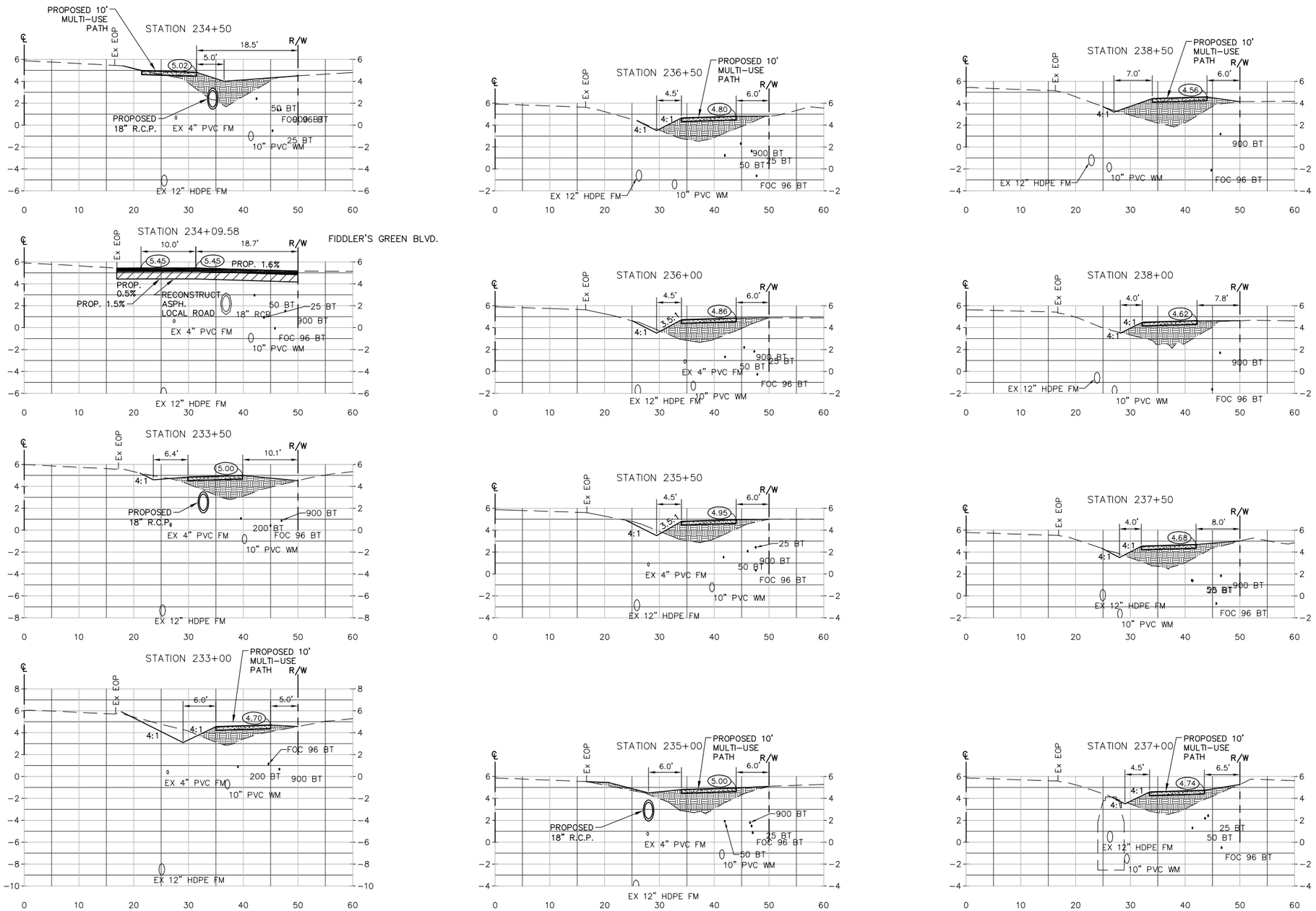
Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
SIDEWALK CROSS SECTIONS

SCALE 1"= 10' HORZ. 1"=5' VERT.
SHEET XS11
GWE NO. 5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

COUNTY PROJECT NUMBER

09-177



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CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

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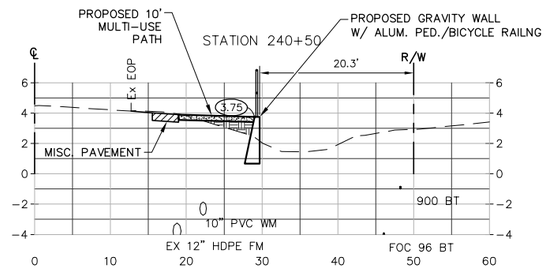
SHEET XS12
GWE NO. 5955.20

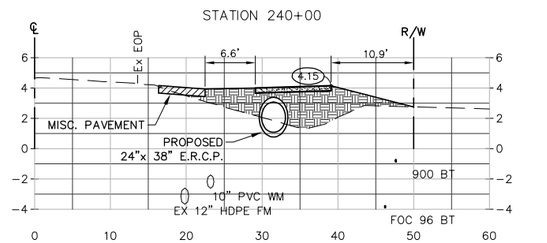
ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

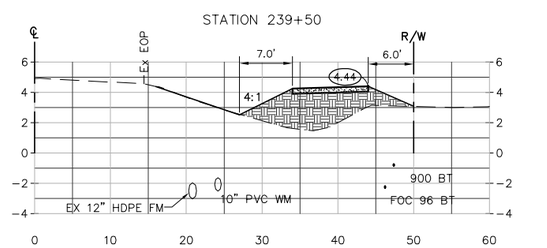
M:\5900's\5955.20\5955_20-EX-SECTIONS_1-17.dwg, 4/5/2016 4:55:26 PM

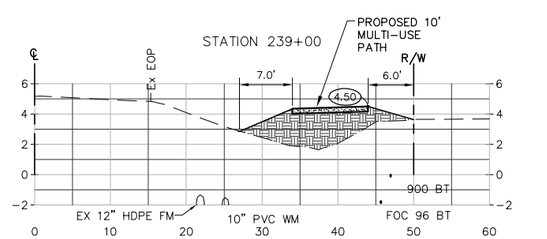
COUNTY PROJECT NUMBER

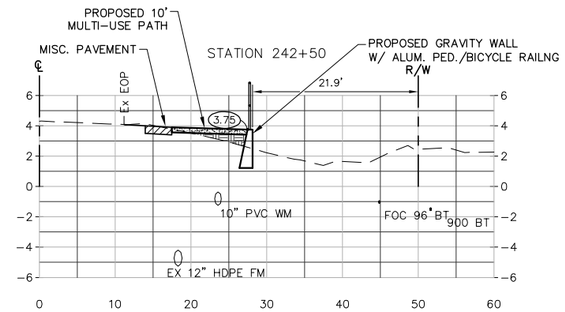
09-177

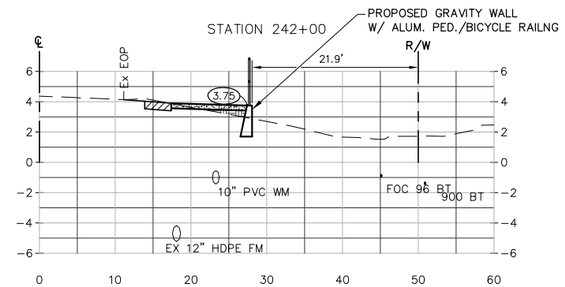


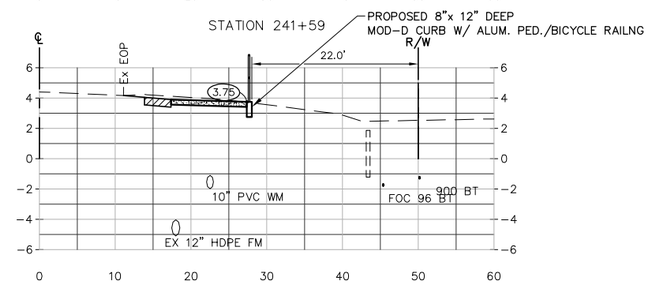


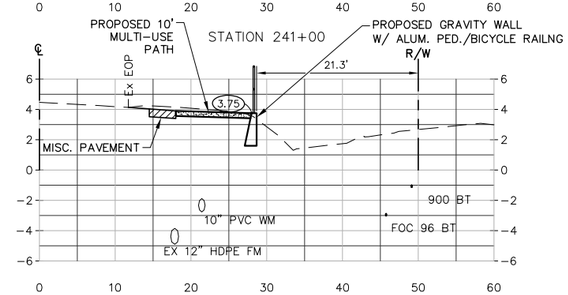


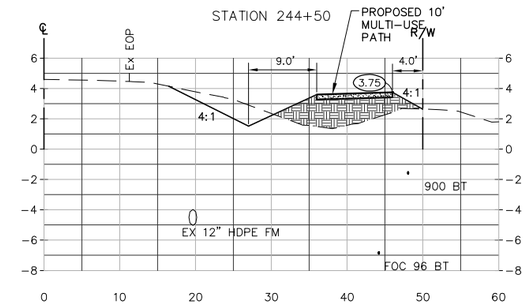


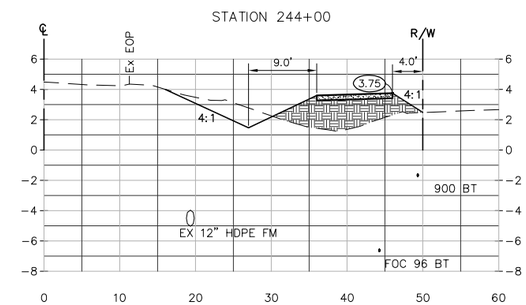


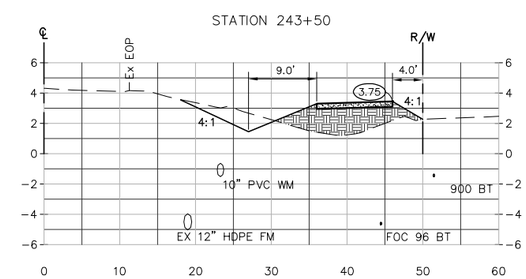


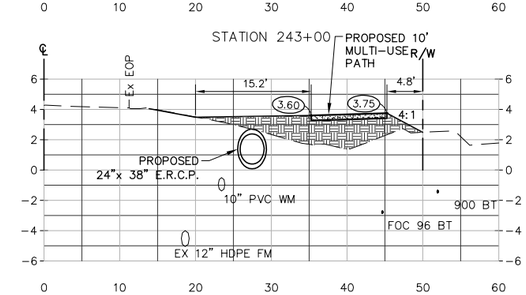












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GWE NO.	5955.20

ENGINEER OF RECORD
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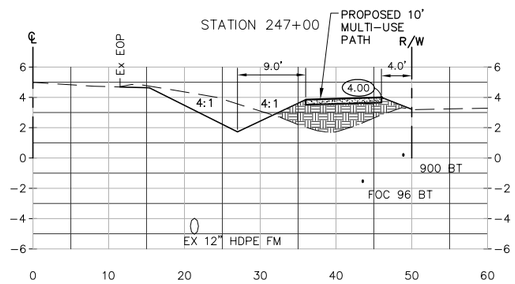
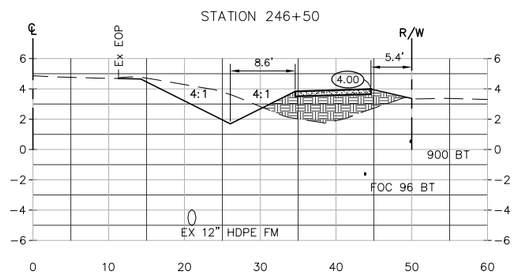
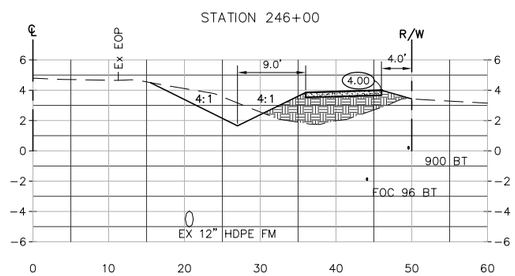
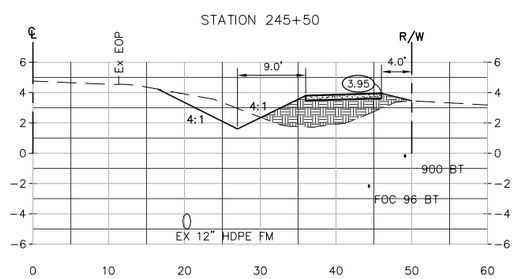
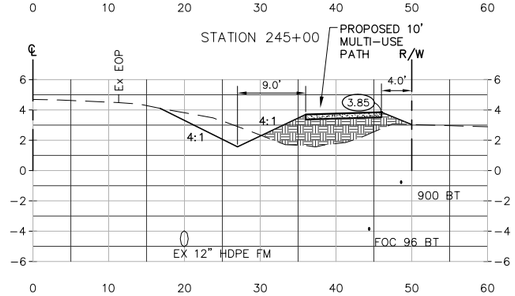
09-177

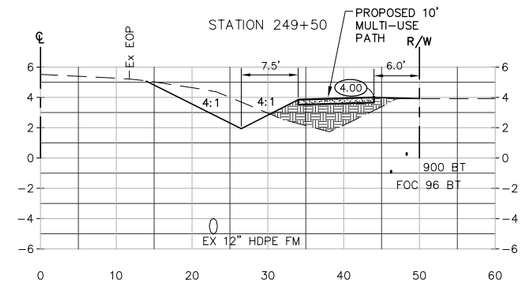


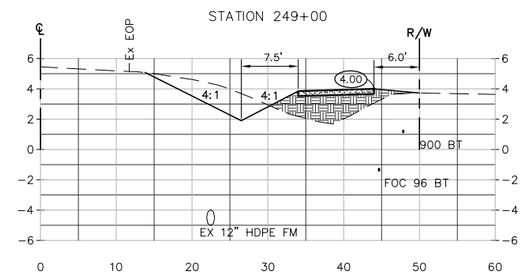


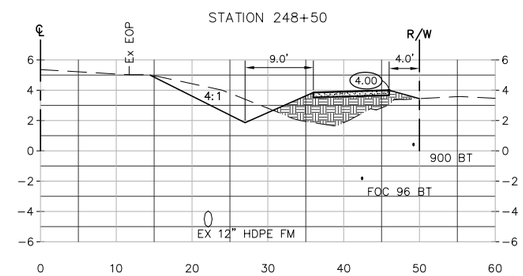


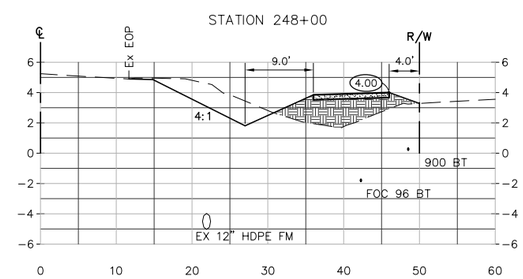


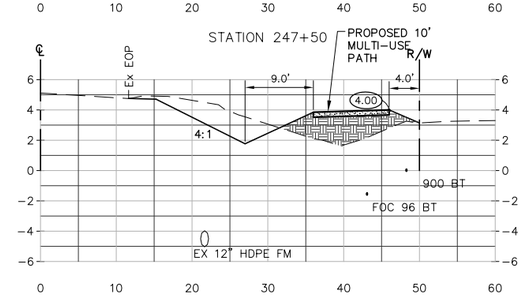


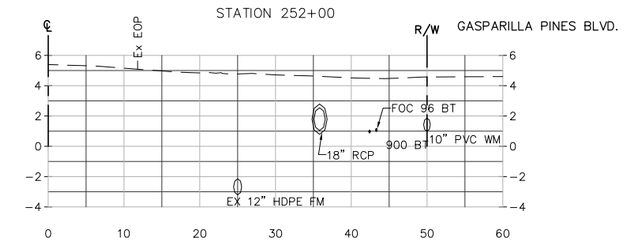


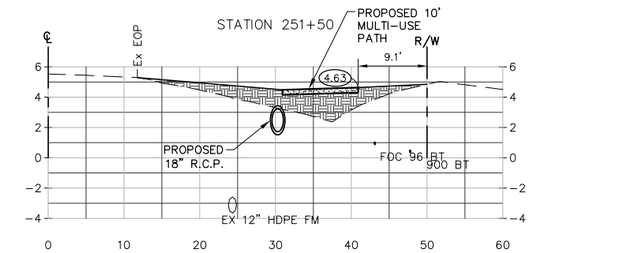


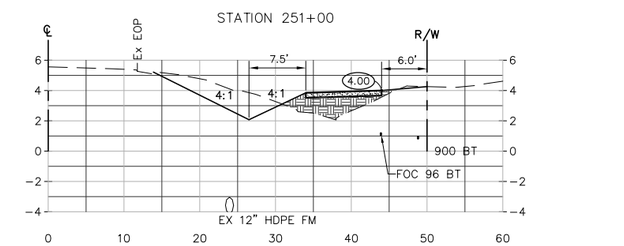


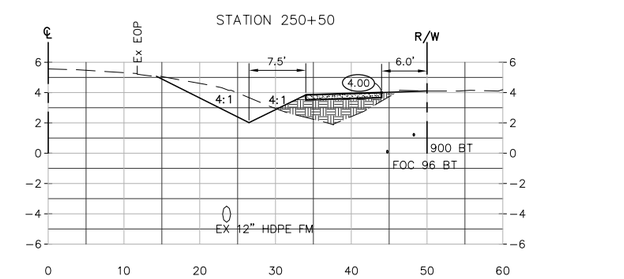


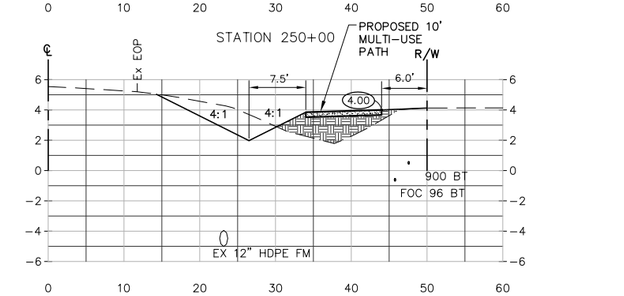












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6-17-14	30% COMMENTS	KEF			
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DRAWN	CVO	JHC	12/13
DESIGN	AJW	JHC	12/13
SECS. 03/42S/20E & 28,33,34/41S/20E			

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

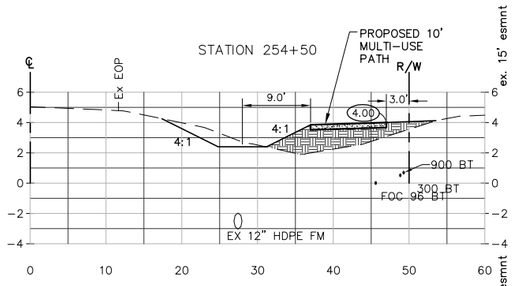
Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
SIDEWALK CROSS SECTIONS

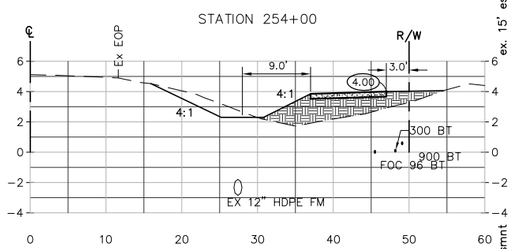
SCALE 1"= 10' HORZ. 1"=5' VERT.
SHEET XS14
GWE NO. 5955.20

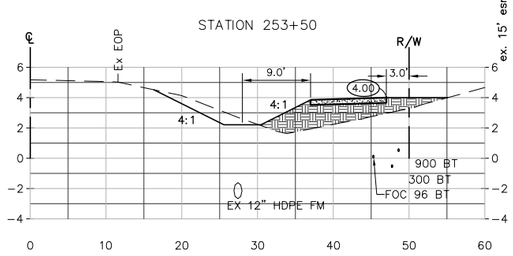
ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

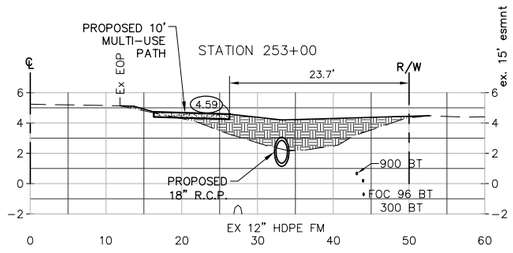
COUNTY PROJECT NUMBER

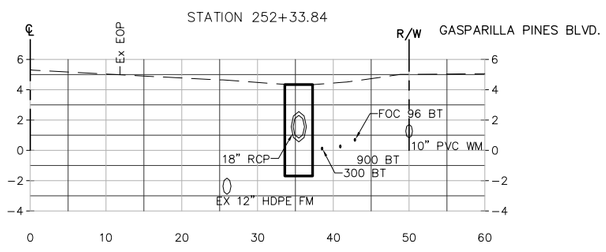
09-177

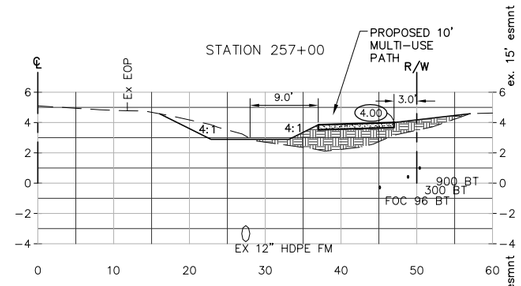


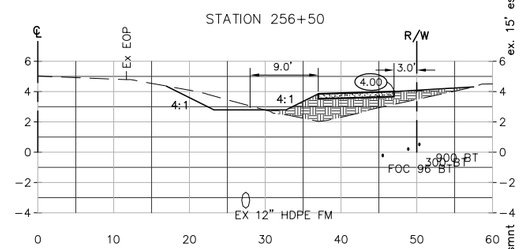


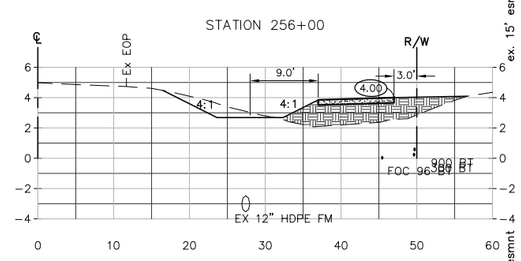


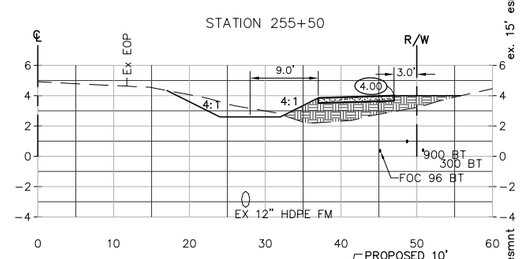


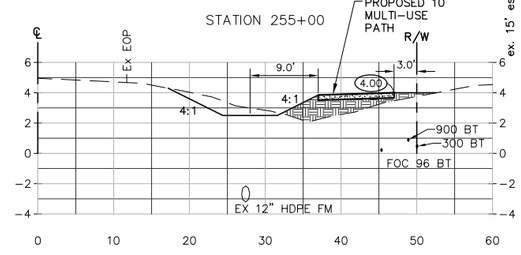


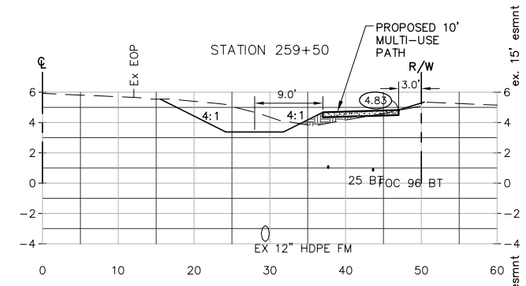


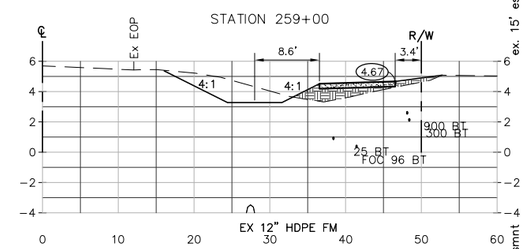


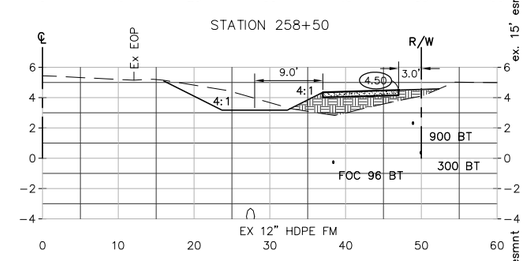


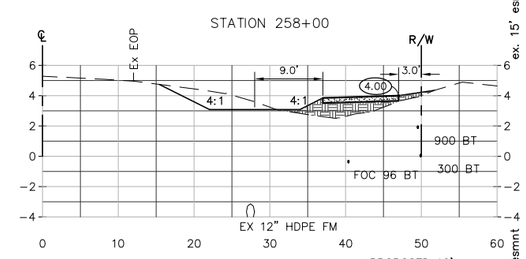


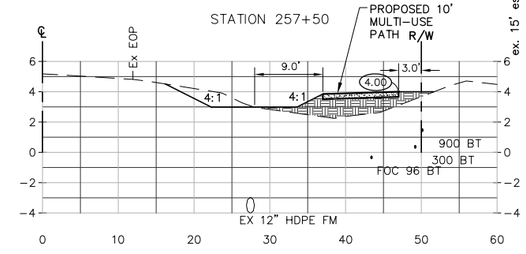












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CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

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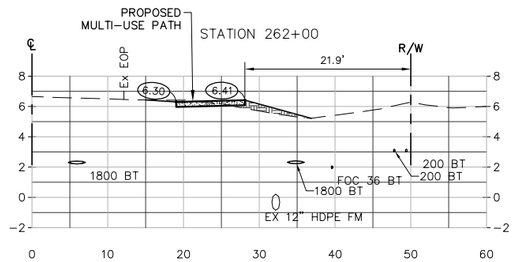
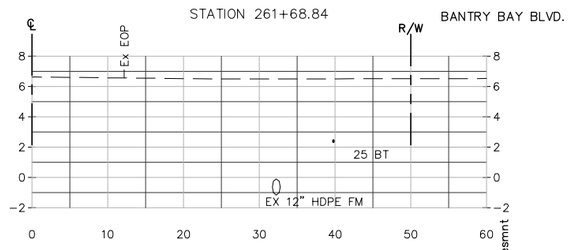
SHEET XS15
GWE NO. 5955.20

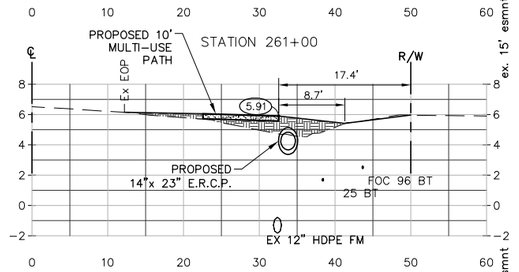
ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

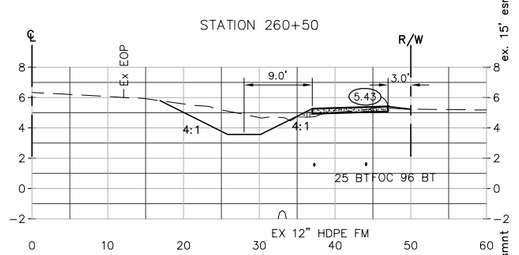
COUNTY PROJECT NUMBER

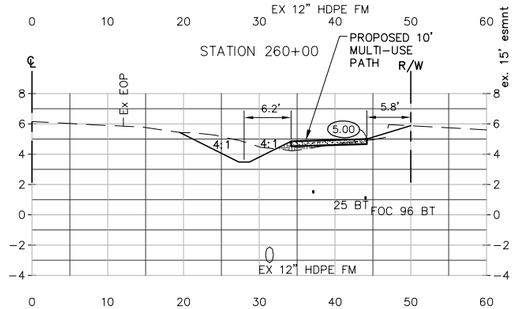
09-177

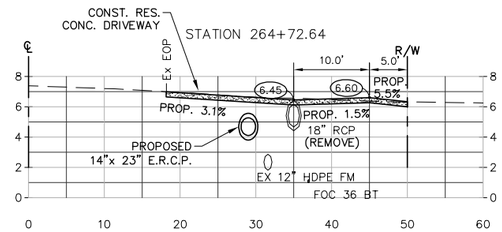


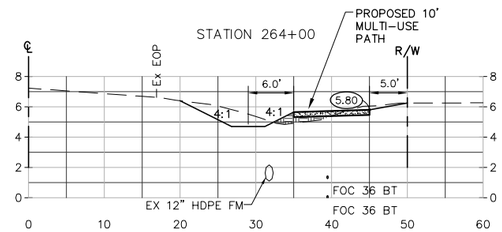


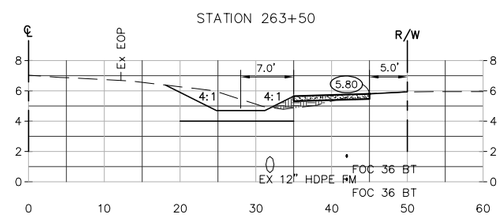


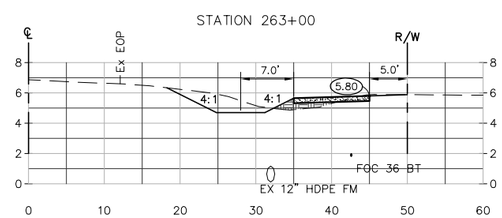


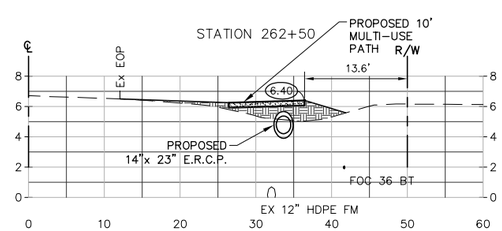


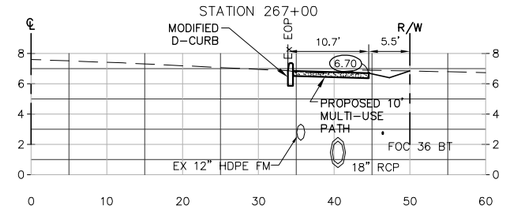


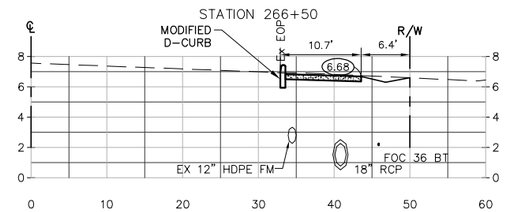


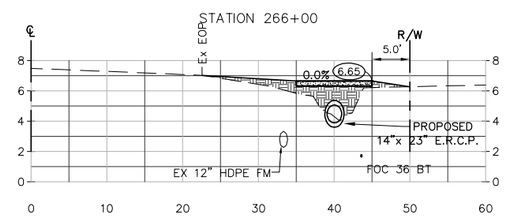


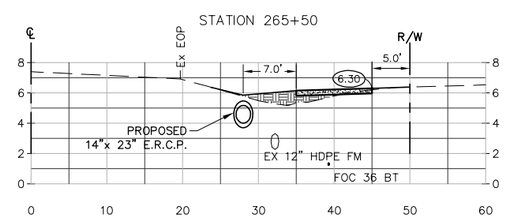


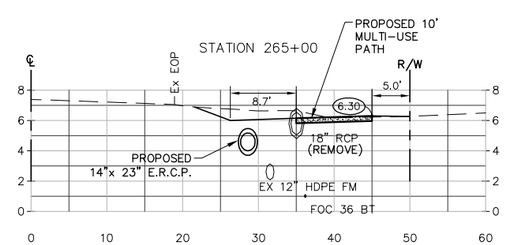












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CHARLOTTE COUNTY
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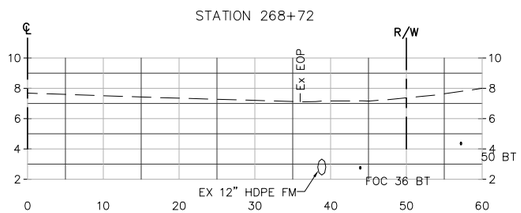
SCALE 1"= 10' HORZ. 1"=5' VERT.
SHEET XS16
GWE NO. 5955.20

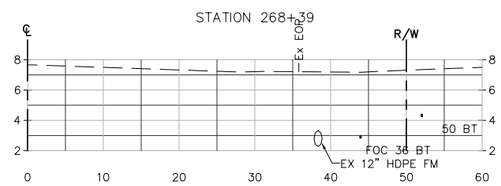
ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

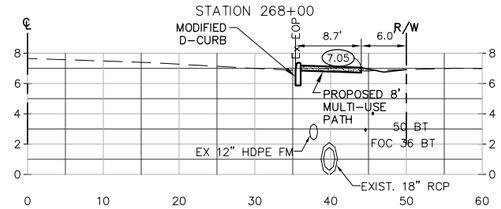
M:\5900's\5955.20\5955_20-EX-SECTIONS_1-17.dwg, 4/5/2016 4:59:11 PM

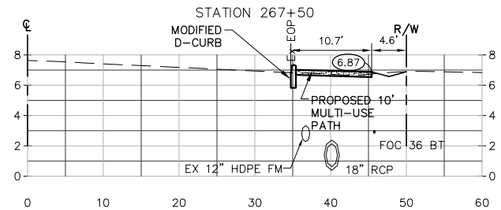
COUNTY PROJECT NUMBER

09-177









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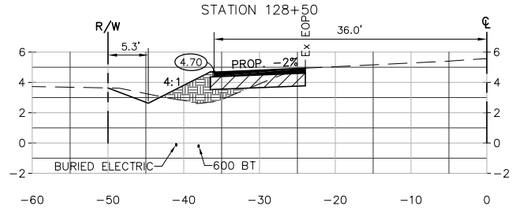
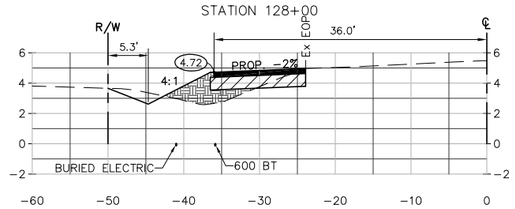
STATION 128+50



STATION 128+00



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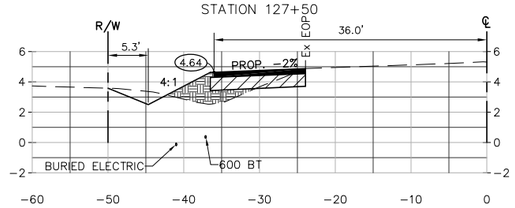

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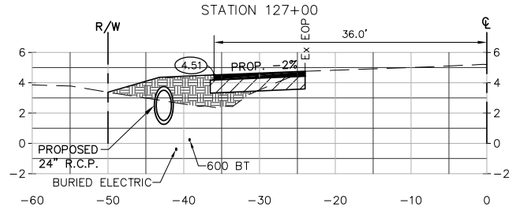

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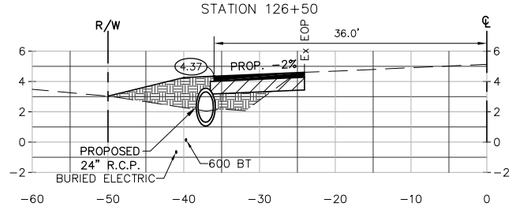

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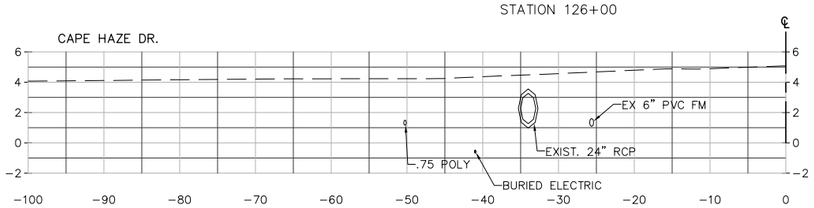

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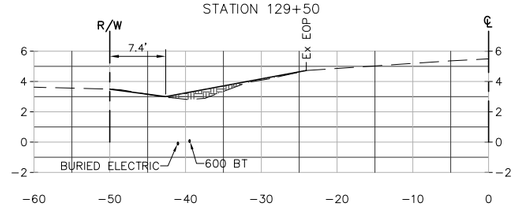

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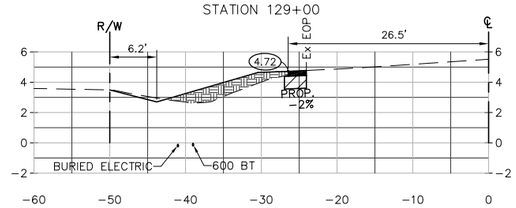

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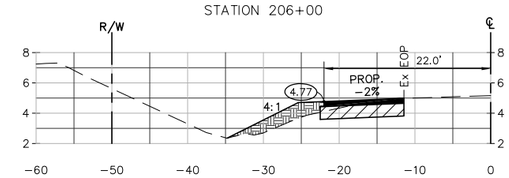

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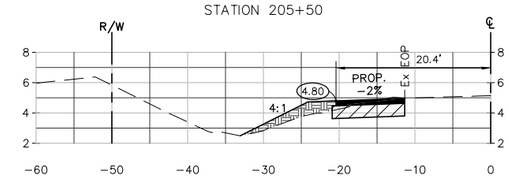

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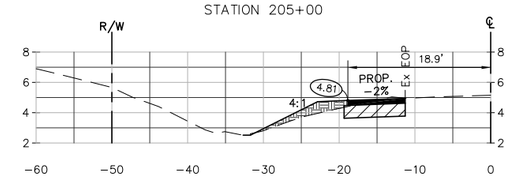

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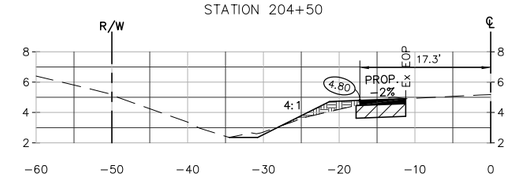

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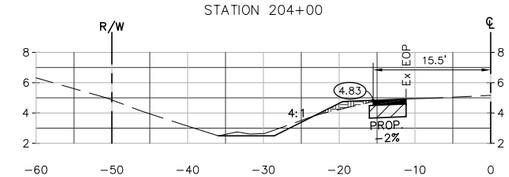

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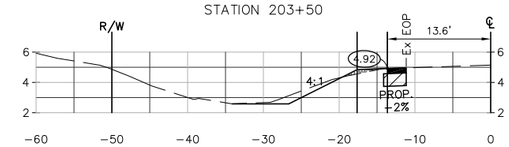

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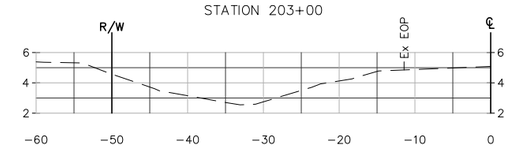

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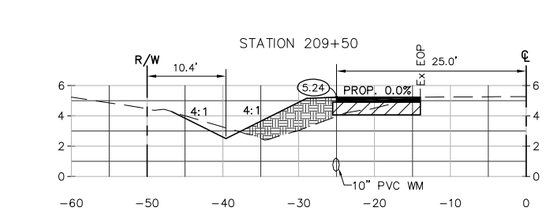

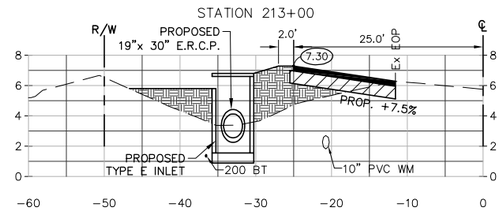

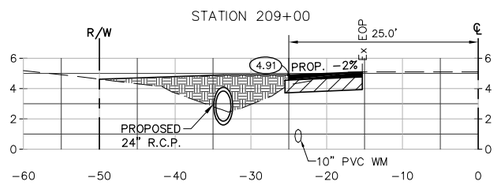

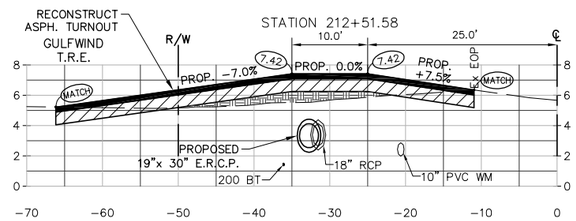

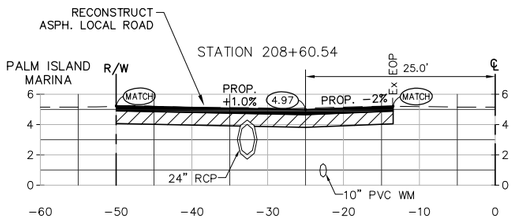

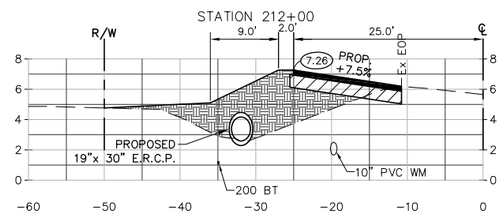

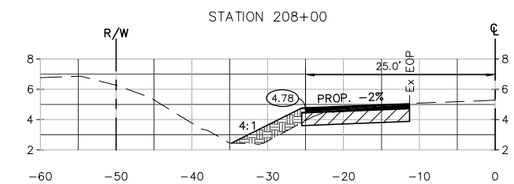

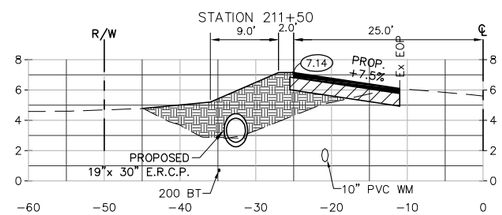

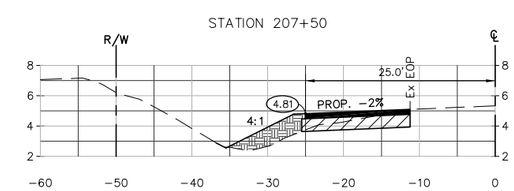

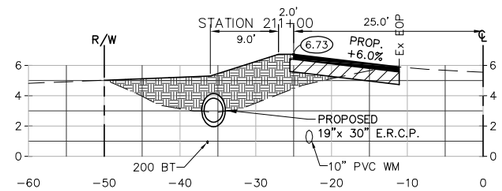

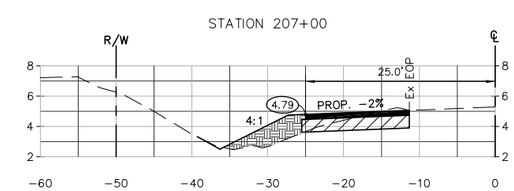

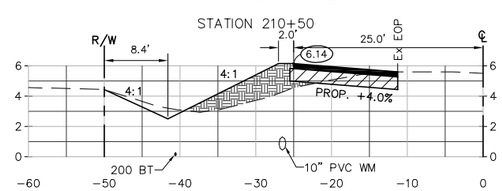

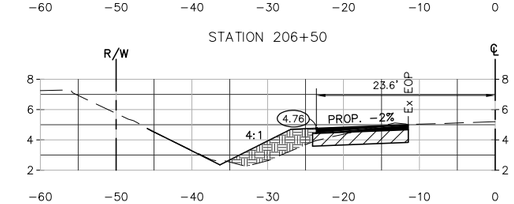

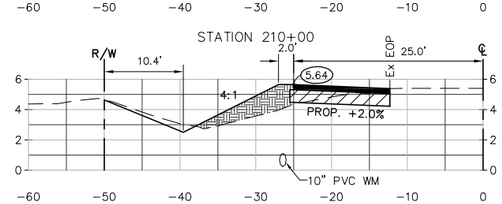

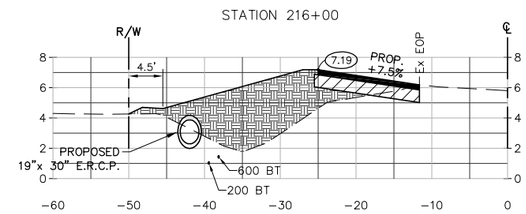

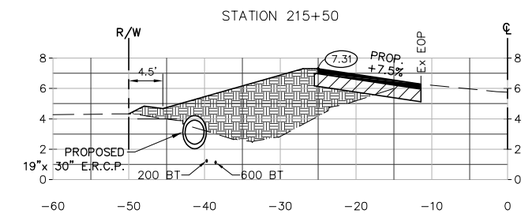

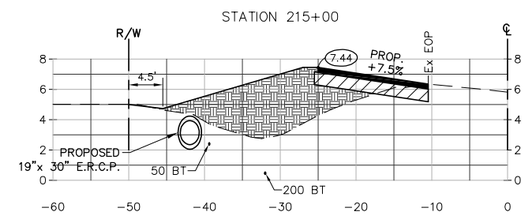

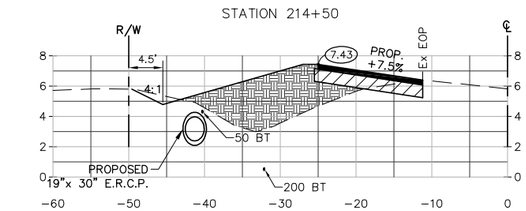

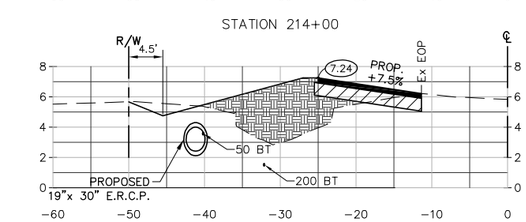

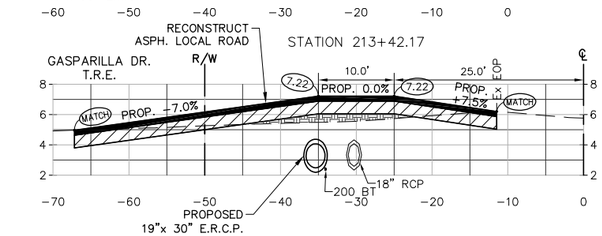

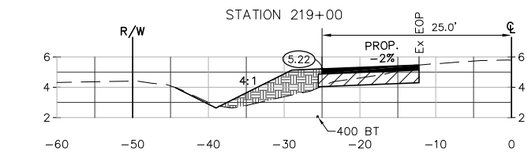

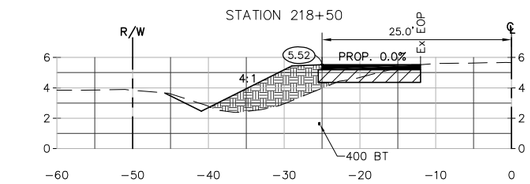

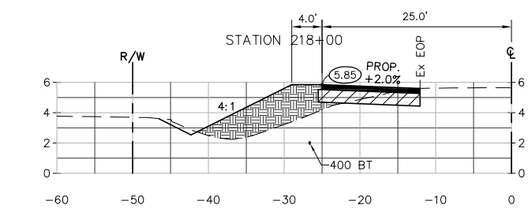

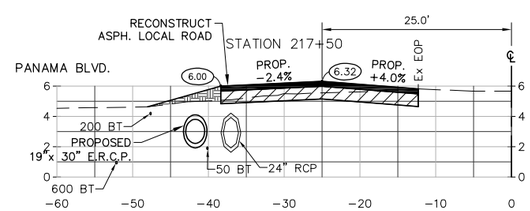

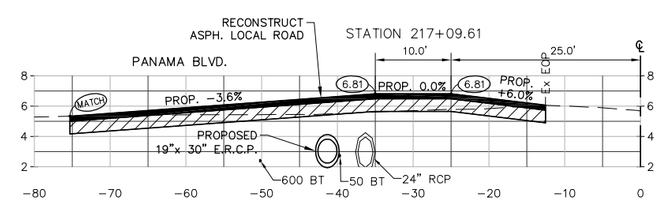

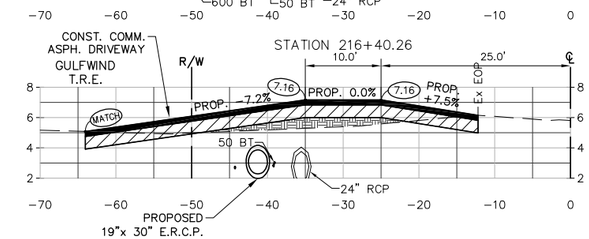

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PUBLIC WORKS
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WIDENING CROSS SECTIONS

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SHEET XS19
GWE NO. 5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

M:\5900's\5955.20\5955_20-EX-SECTIONS_WIDEN_18-21.dwg, 4/8/2016 2:41:53 PM

COUNTY PROJECT NUMBER

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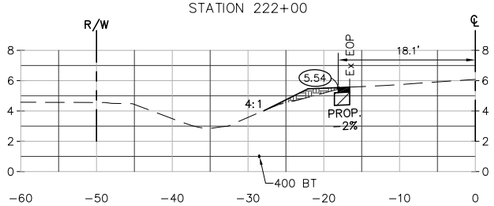
STATION 222+00



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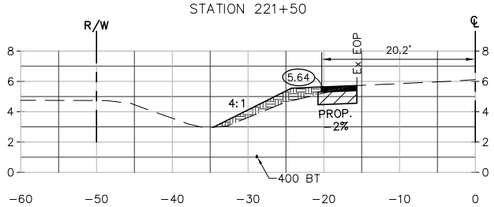

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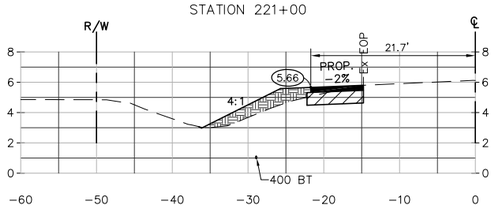

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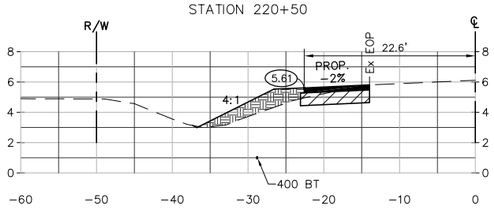

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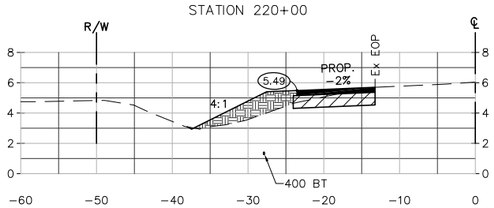

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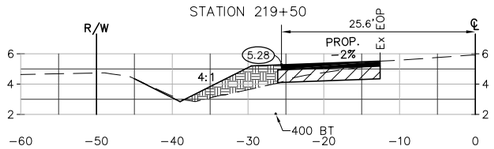

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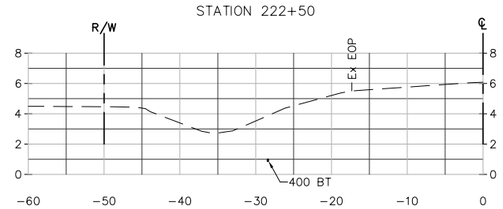

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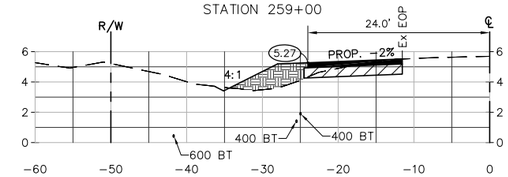

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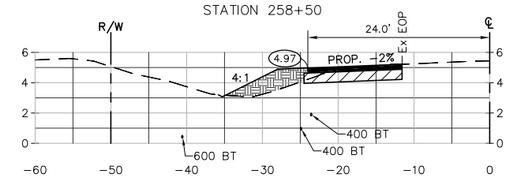

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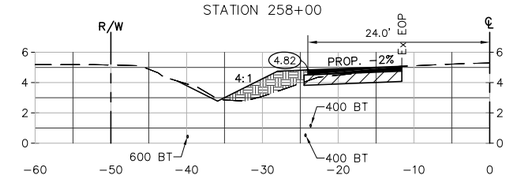

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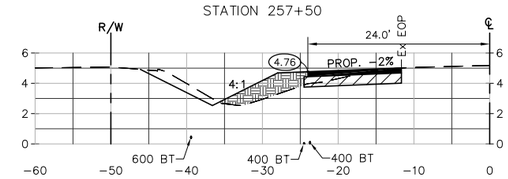

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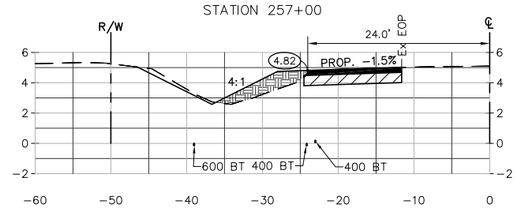

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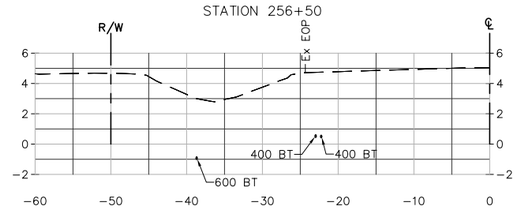

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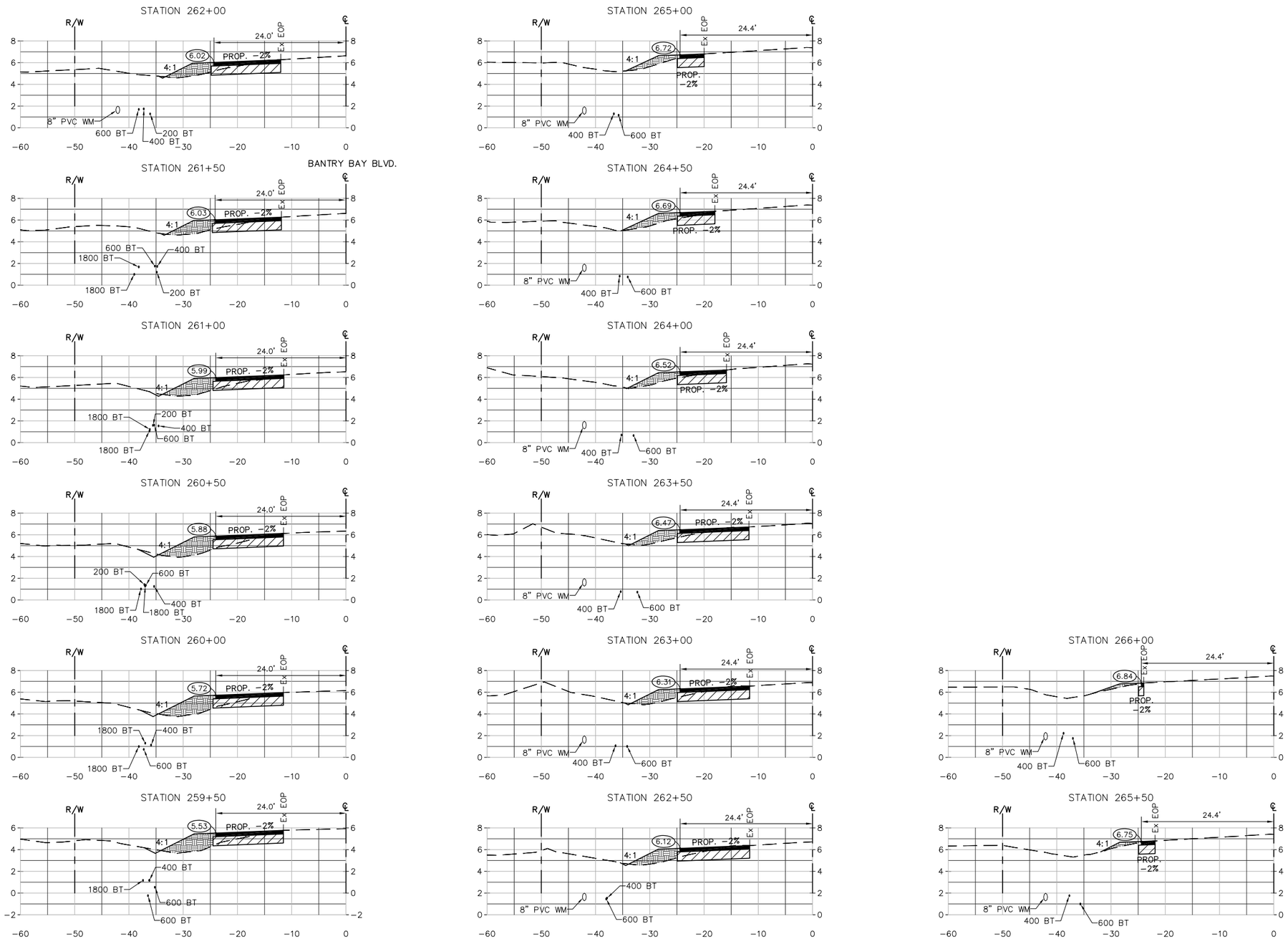

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Phone (941)475-7981
Fax (941)474-4285

DATE	12/13/13	CKD. BY	DATE
DRAWN	CVO	JHC	12/13
DESIGN	AJW	JHC	12/13
SECS. 03/42S/20E & 28,33,34/41S/20E			

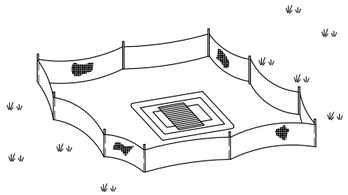
CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
WIDENING CROSS SECTIONS

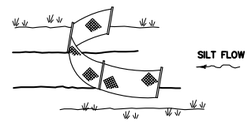
SCALE 1"= 10' HORZ. 1"=5' VERT.
SHEET XS21
GWE NO. 5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

COUNTY PROJECT NUMBER
09-177



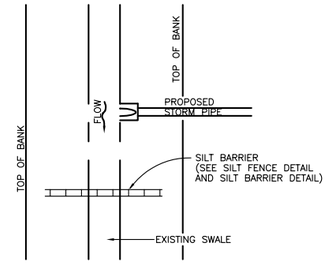
TYPE III SILT FENCE PROTECTION
AROUND DITCH BOTTOM INLETS



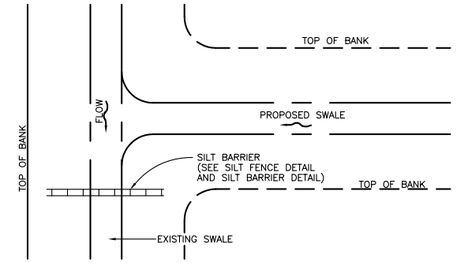
TYPE III SILT FENCE

SILT FENCE APPLICATIONS

DO NOT DEPLOY IN A MANNER THAT SILT FENCES WILL ACT AS A DAM ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE USED AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.

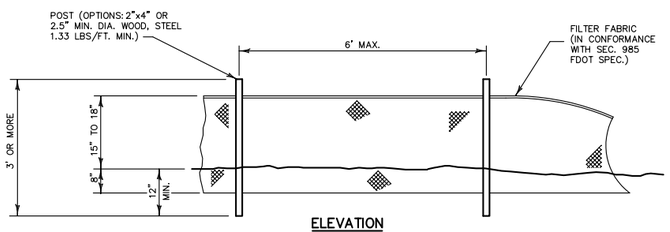


SILT BARRIER @ CONNECTION
OF STORM PIPE TO EXISTING SWALE

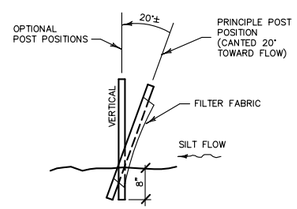


SILT BARRIER @ CONNECTION
OF SWALE TO EXISTING SWALE

NOTE:
CONTRACTOR TO INSPECT SILT FENCE DAILY AND REPAIR IMMEDIATELY IF DAMAGED.



ELEVATION

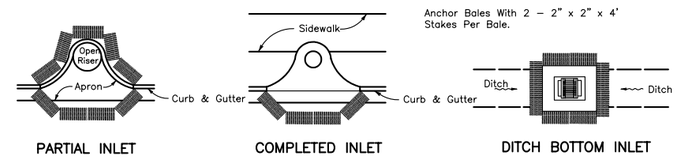


SECTION

NOTE: SILT FENCE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE (LF).

TYPE III SILT FENCE

NOT TO SCALE



PARTIAL INLET COMPLETED INLET DITCH BOTTOM INLET

PROTECTION AROUND INLETS AND SIMILAR STRUCTURES

DEWATERING NOTES:

CONTRACTOR TO ENSURE THAT DEWATERING ACTIVITIES DO NOT CAUSE EROSION AND THAT SUMP IS UTILIZED TO ALLOW FOR PARTICLE SEDIMENTATION.

SEDIMENT SUMPS AND DISCHARGE EROSION CONTROL ARE TO BE IMPLEMENTED BEFORE ANY DEWATERING ACTIVITIES OR EARTHWORK CONSTRUCTION.

SUMP SIZE BASED UPON AN ASSUMED DEWATERING DISCHARGE OF 900 GPM (2 CFS). CONTRACTOR IS TO NOTIFY ENGINEER IF GREATER DISCHARGE IS PROPOSED SO SUMP SIZE CAN BE RECALCULATED.

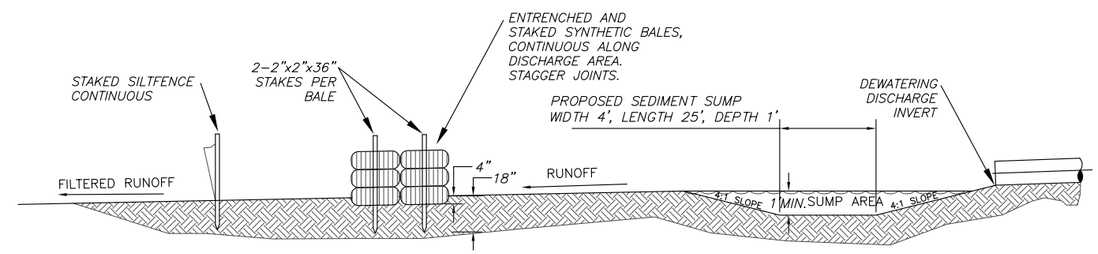
DEWATERING WITHDRAWALS ARE TO BE FROM THE TOP OF THE WATER AREAS TO ALLOW FOR THE ADEQUATE SETTLING OF PARTICLES AND INSURE WATER QUALITY.

CONTRACTOR TO NOTIFY S.W.F.W.M.D. OF ANY MODIFICATION PROPOSED BY THE CONTRACTOR TO THE DEWATERING PLAN. CONTRACTOR IS RESPONSIBLE FOR PREPARATION OF ANY REQUIRED PLANS AND PROCESSING OF THE SAME.

DISCHARGE FROM SUMPS SHOULD MAXIMIZE OVERLAND FLOW PRIOR TO ENTERING OUTFALL. STAKED SYNTHETIC BALES WILL BE USED TO MINIMIZE SILTATION RUNOFF. CONTRACTOR IS RESPONSIBLE FOR UTILIZING ADEQUATE SYNTHETIC BALES AT DISCHARGE LOCATIONS TO PREVENT SCOURING.

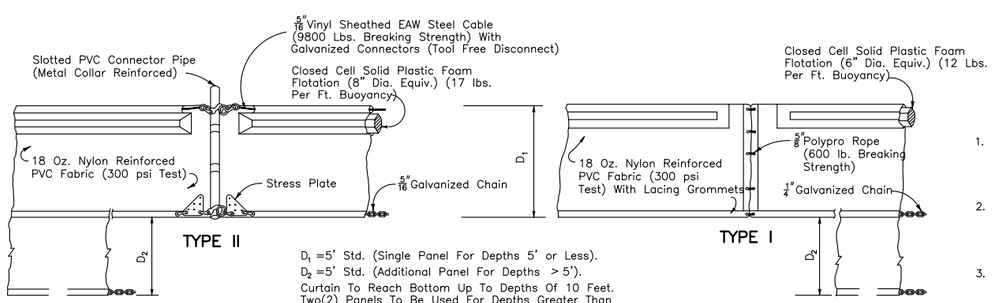
DEWATERING PERIOD MUST BE LESS THAN 120 DAYS.

LOCATION OF DEWATERING SUMPS AND DISCHARGE POINTS AS SHOWN ON PLAN.



DEWATERING BASIN

NOT TO SCALE



D_1 =5' Std. (Single Panel For Depths 5' or Less).
D_2 =5' Std. (Additional Panel For Depths > 5').
Curtain To Reach Bottom Up To Depths Of 10 Feet.
Two(2) Panels To Be Used For Depths Greater Than
10 Feet Unless Special Depth Curtains Specifically Called
For In The Plans Or As Determined By The Engineer.

NOTICE: COMPONENTS OF TYPES ~ AND ~~ MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES ~ AND ~~ SHALL BE AS APPROVED BY THE ENGINEER.

FLOATING TURBIDITY BARRIERS

NOT TO SCALE

BEST MANAGEMENT PRACTICES (BMP)

1. CONTRACTOR SHALL PROVIDE ENGINEER OF RECORD WITH ONE SET OF DRAINAGE AS–BUILT DRAWINGS WITHIN 30 DAYS FOLLOWING PROJECT COMPLETION. THE DRAINAGE–RELATED AS–BUILTS SHALL SHOW LOCATION, TYPE AND SIZE OF ALL STORM WATER OUTFALL STRUCTURES DISCHARGING TO CHARLOTTE COUNTY, FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) OR OTHER STATE SURFACE WATER DRAINAGES AND/OR WATERBODIES.
2. THE CONTRACTOR OR ENGINEER SHALL REPORT ALL OFFSITE SURFACE WATER DISCHARGES WITH TURBIDITY IN EXCESS OF 29 NTUs (NEPHELOMETRIC TURBIDITY UNITS) ABOVE BACKGROUND LEVEL TO THE COUNTY ENGINEER (941) 575–3600 WITHIN 24 HOURS AFTER OCCURENCE. NOTIFICATION SHALL INCLUDE THE CAUSE OF THE PROBLEM, CORRECTIVE ACTIONS, TAKEN, AND THE INSTALLATION OF ADDITIONAL EROSION/SEDIMENT CONTROLS NOT SHOWN ON APPROVED CONSTRUCTION PLAN DRAWINGS.
3. FUEL AND OTHER PETROLEUM PRODUCT SPILLS THAT ENTER STORM WATER DRAINAGE OR WATER BODIES, OR FUEL AND OTHER PETROLEUM PRODUCT SPILLS THAT ARE IN EXCESS OF 25 GALLONS AND GENERATED FROM CONSTRUCTION OPERATION SHALL BE CONTAINED, CLEANED UP AND REPORTED IMMEDIATELY TO THE COUNTY ENGINEER (941) 575–3600. SMALLER GROUND SURFACE SPILLS SHALL BE CLEANED UP AS SOON AS PRACTICAL.
4. ALL SURFACE WATER DISCHARGES FROM THE PROPERTY SHALL COMPLY WITH STATE WATER QUALITY STANDARDS CONTAINED IN DEPARTMENT OF ENVIRONMENTAL PROTECTION RULES, CHAPTER 62–302, FLORIDA ADMINISTRATIVE CODE (F.A.C.)
5. THE CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTIES ARE NOT IMPACTED BY WIND EROSIONS OR EMISSIONS OF UNCONFINED PARTICULATE MATTER IN ACCORDANCE WITH RULE 62–296–.320(4)(c)1., FLORIDA ADMINISTRATIVE CODE, FROM THE CONSTRUCTION SITE BY TAKING ADEQUATE MEASURES TO STABILIZE AFFECTED AREAS.
6. EROSION/SEDIMENT CONTROL SHALL BE IMPLEMENTED AS NECESSARY TO PREVENT TURBID DISCHARGES FROM FLOWING ONTO ADJACENT PROPERTY OR ROADWAYS. CONTROL SHALL BE DESIGNED, INSTALLED, AND MAINTAINED AS REQUIRED BY THE ENGINEER AND/OR CONTRACTOR TO ENSURE SURFACE WATER QUALITY CONDITIONS ARE IN COMPLIANCE WITH THE WATER QUALITY STANDARDS ESTABLISHED IN CHAPTER 62–302, FLORIDA ADMINISTRATIVE CODE, AND WITH APPLICABLE CHARLOTTE COUNTY CODES.

SCHEDULE OF IMPLEMENTATION:

1) INSTALL ALL TEMPORARY BMP MEASURES PRIOR TO START OF CONSTRUCTION.
2) INSTALL ALL PERMANENT BMP MEASURES AFTER FINAL GRADING.
3) REMOVE TEMPORARY BMP FEATURES AS APPLICABLE.

NOTE:

PROVIDE PROTECTION AROUND ALL INLETS OR SIMILAR STRUCTURES PER DETAILS.

DATE	REVISION	BY	DATE	REVISION	BY

GWE GIFFELS-WEBSTER ENGINEERS, INC.
Certificate of Authorization No. 3607
900 Pine Street, Suite 225
Englewood, Florida 34223
Phone (941)475-7981
Fax (941)474-4285

DATE 11/06/13	CKD. BY	DATE
DRAWN CVO	JHC	11/13
DESIGN AJW	JHC	12/13
SECS. 03/42S/20E & 28,33,34/41S/20E		

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

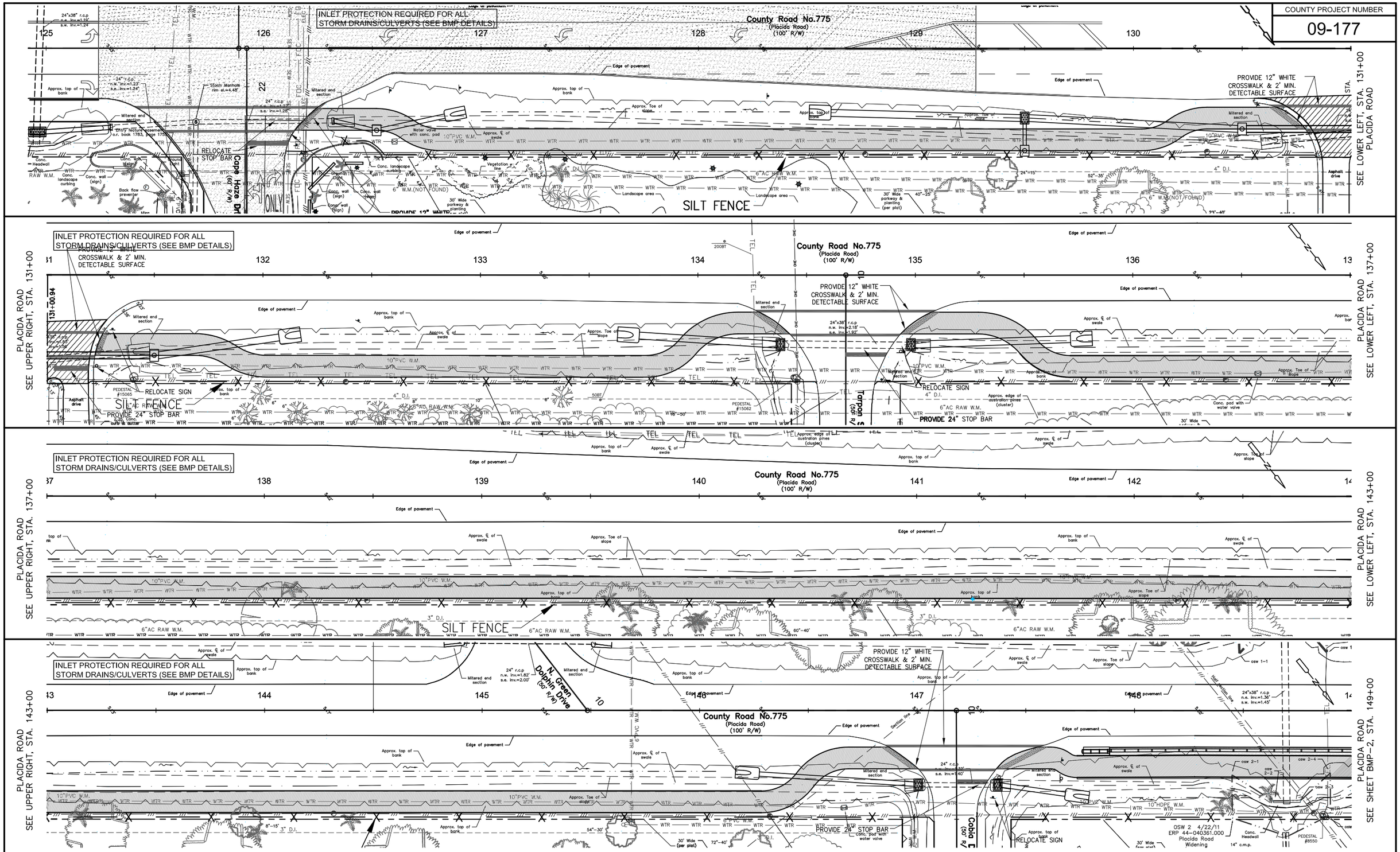
Placida Road
Sidewalk Design
BEST MANAGEMENT PRACTICES

SCALE NO SCALE
SHEET BMP-DTL
GWE NO. 5955.20

ENGINEER OF RECORD
A. J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

COUNTY PROJECT NUMBER

09-177



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CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
BMP PLAN

SCALE	1"= 20'
SHEET	BMP-1
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

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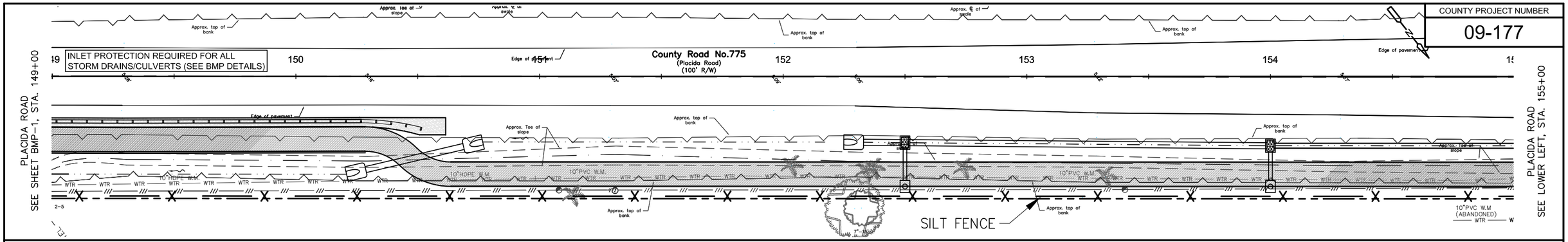
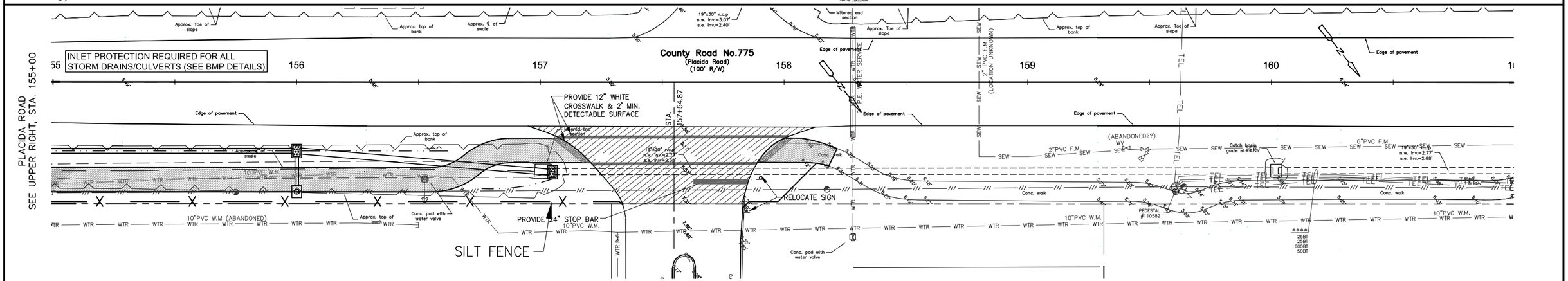
COUNTY PROJECT NUMBER

09-177





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DESIGN	AJW	JHC	12/13
SECS. 03/42S/20E & 28,33,34/41S/20E			

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
BMP PLAN

SCALE	1"= 20'
SHEET	BMP-2
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

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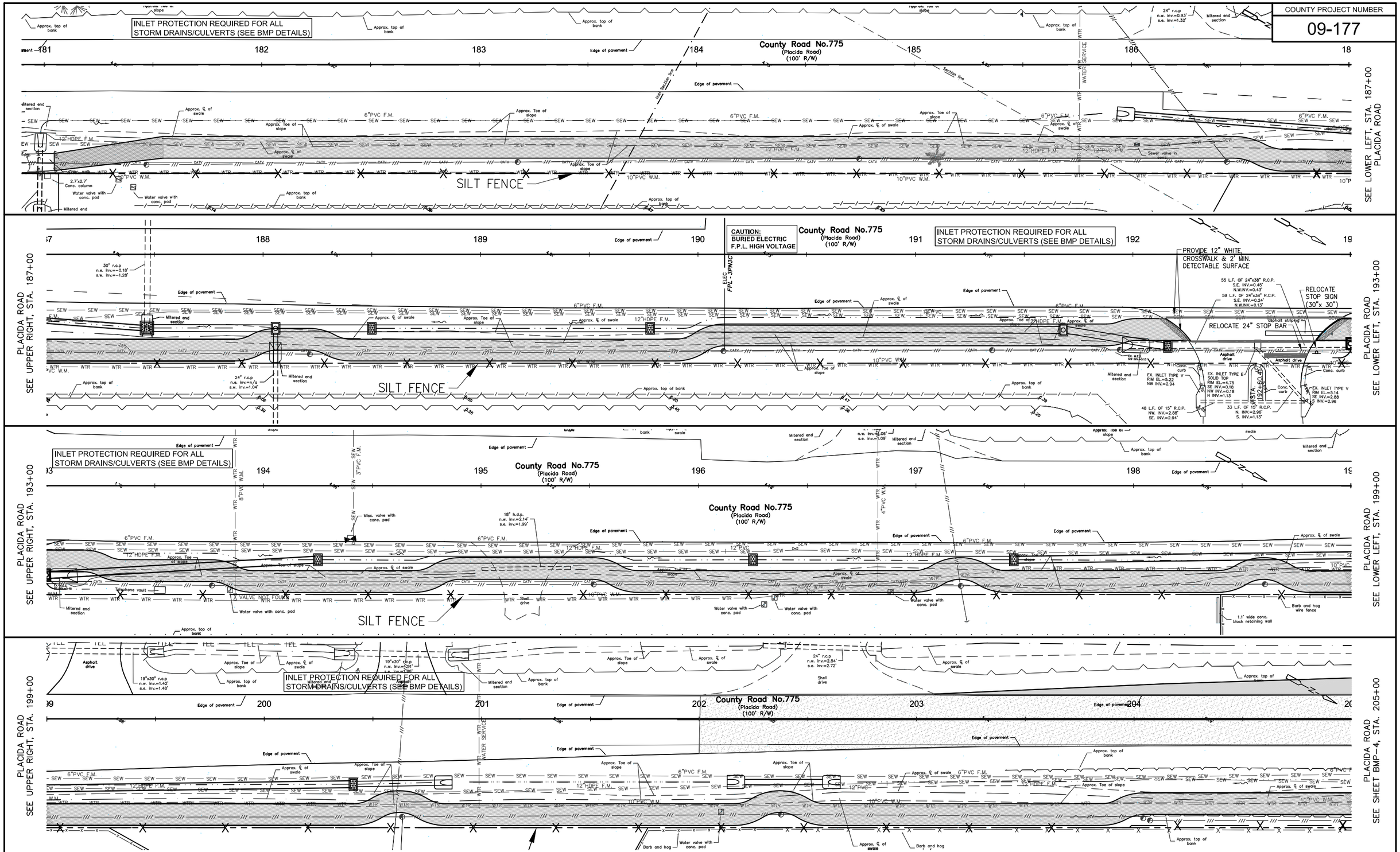
COUNTY PROJECT NUMBER

09-177



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DESIGN	AJW	JHC	12/13
SECS. 03/42S/20E & 28,33,34/41S/20E			

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
BMP PLAN

SCALE	1"= 20'
SHEET	BMP-3
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

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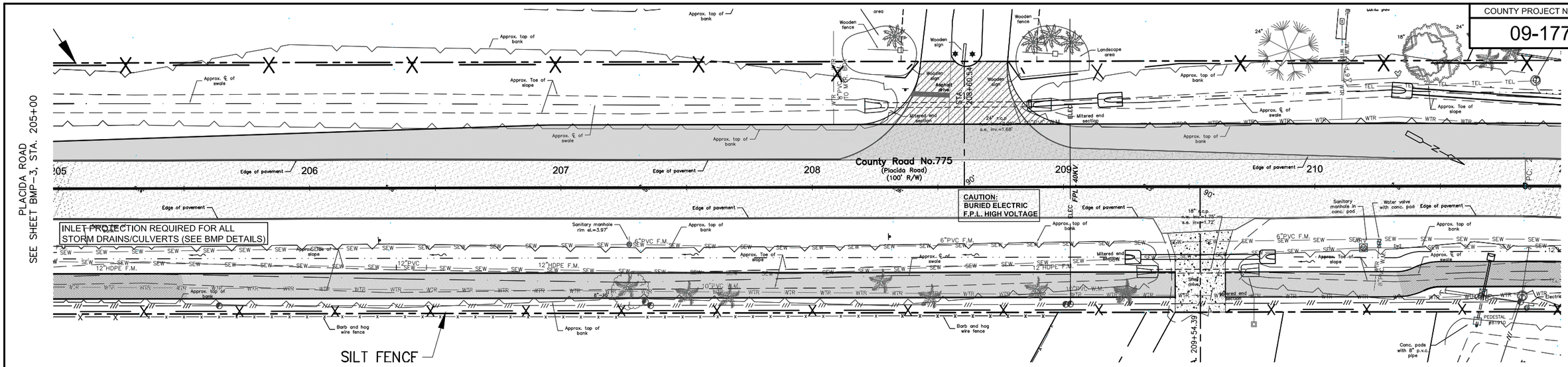
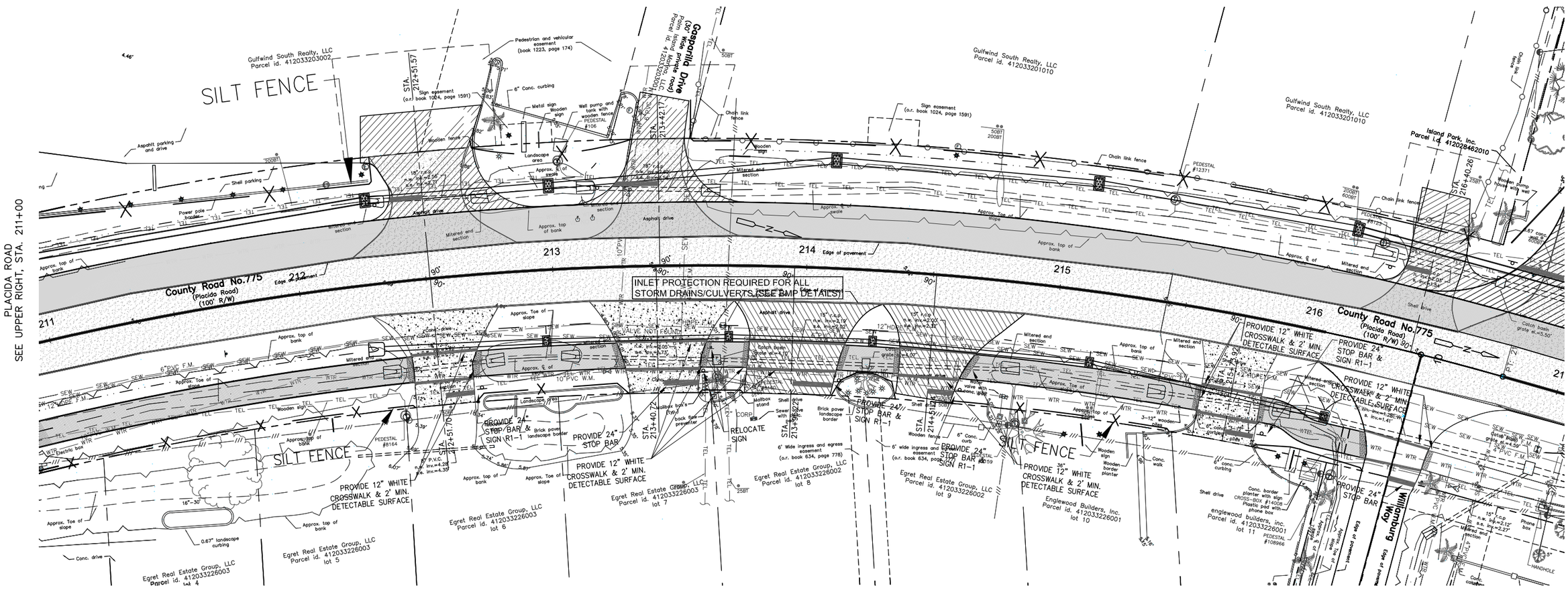
COUNTY PROJECT NUMBER

09-177





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SECS. 03/42S/20E & 28,33,34/41S/20E			

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
BMP PLAN

SCALE	1"= 20'
SHEET	BMP-4
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

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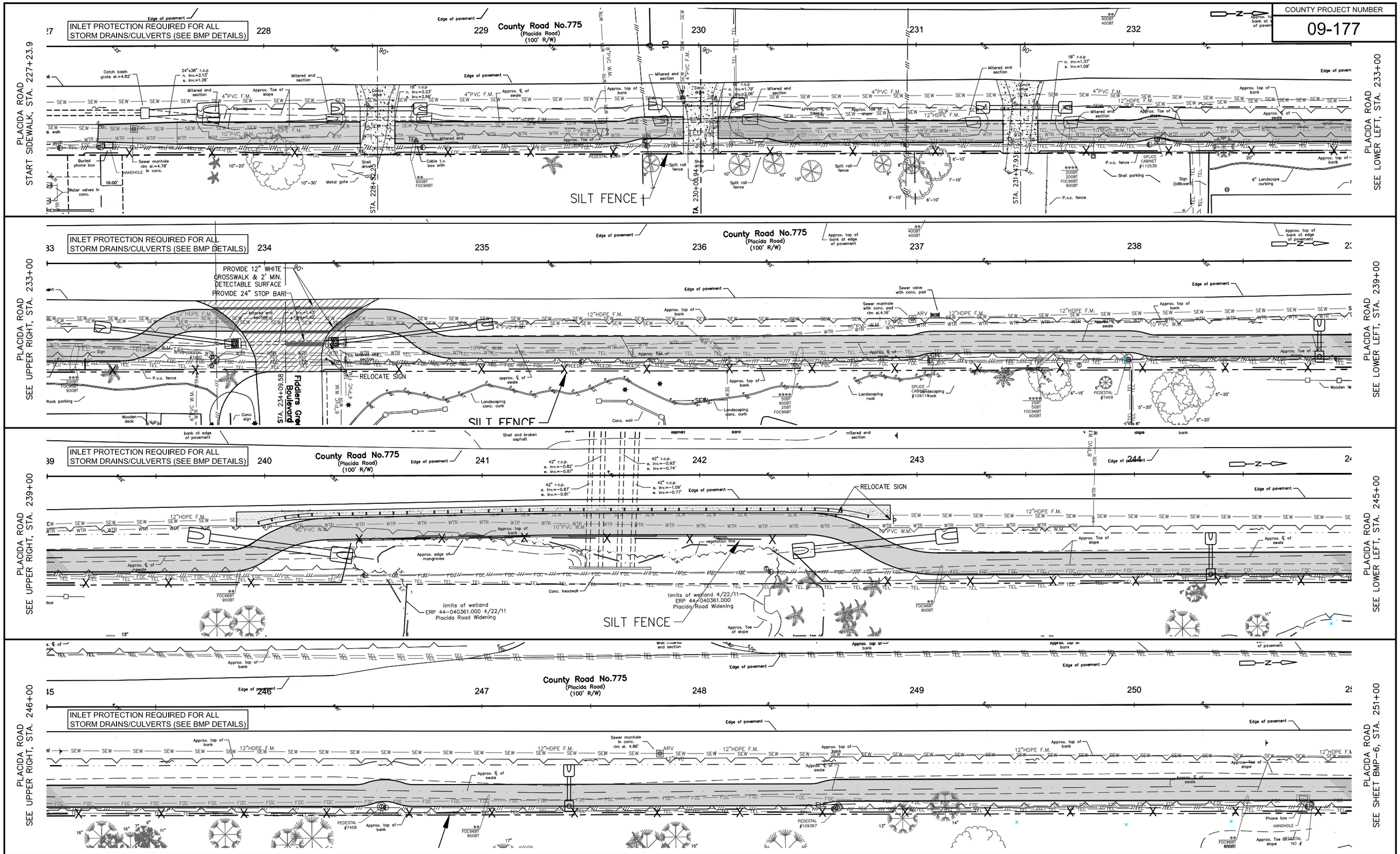
COUNTY PROJECT NUMBER
09-177



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DESIGN	AJW	JHC	12/13
SECS. 03/42S/20E & 28,33,34/41S/20E			

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

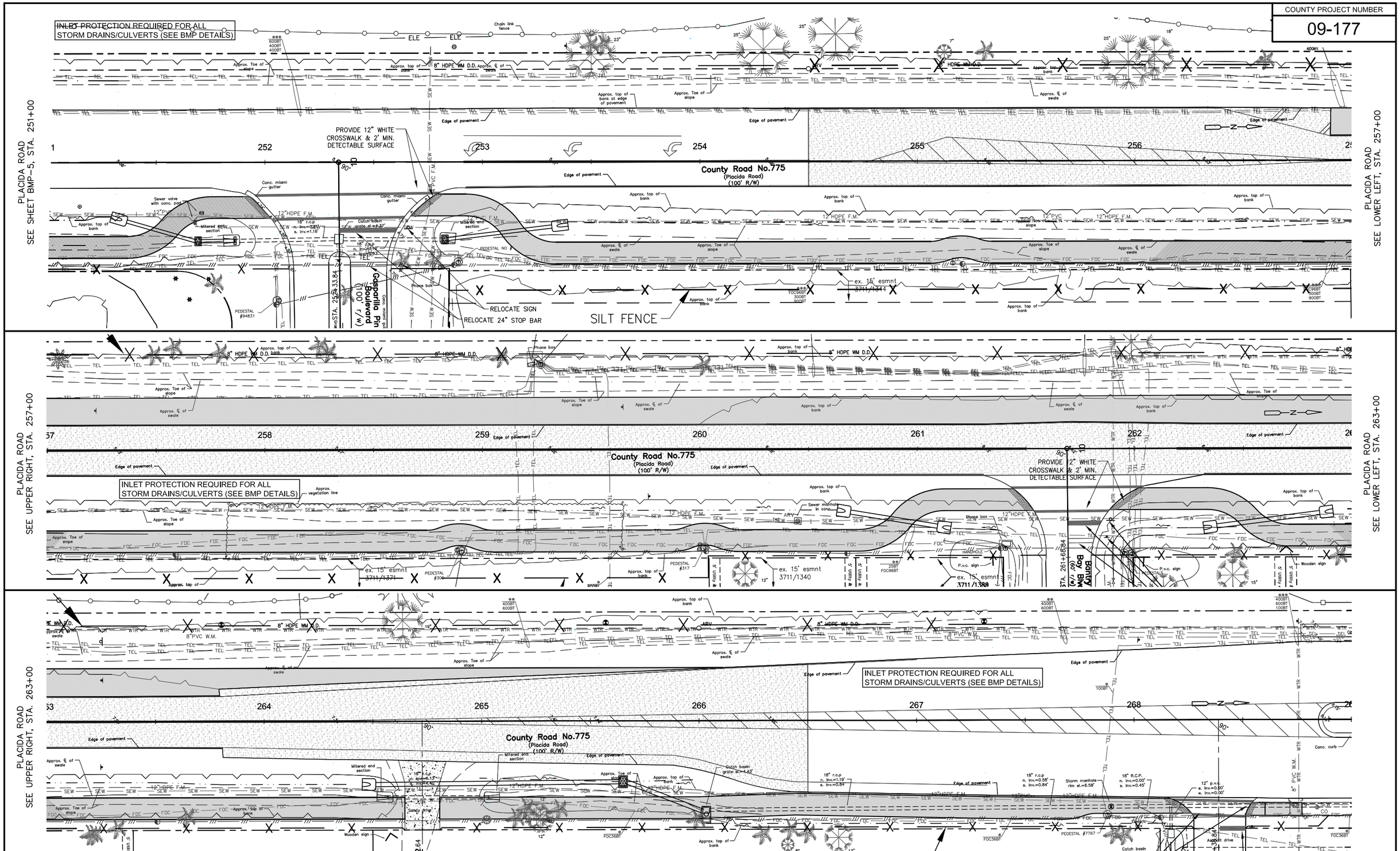
Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
BMP PLAN

SCALE	1"= 20'
SHEET	BMP-5
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

COUNTY PROJECT NUMBER

09-177



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DESIGN	AJW	JHC	12/13
SECS. 03/42S/20E & 28,33,34/41S/20E			

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
BMP PLAN

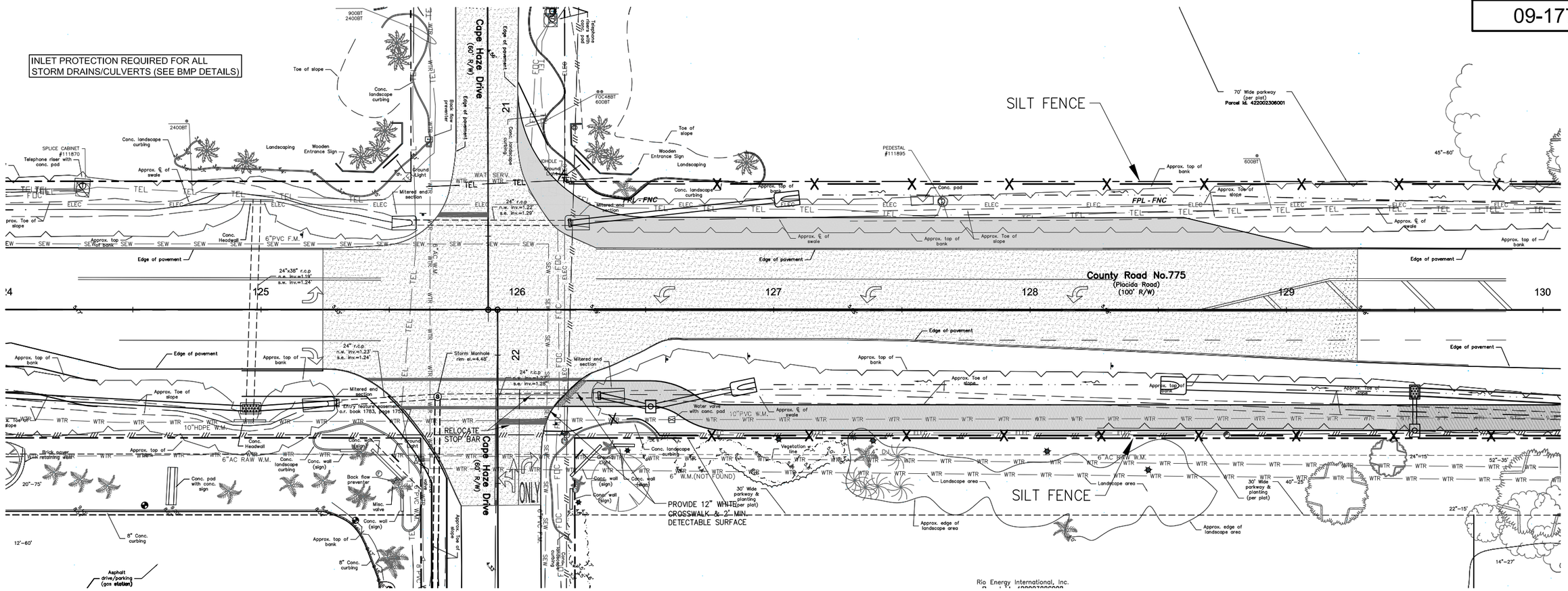
SCALE	1"= 20'
SHEET	BMP-6
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

COUNTY PROJECT NUMBER

09-177

INLET PROTECTION REQUIRED FOR ALL STORM DRAINS/CULVERTS (SEE BMP DETAILS)



INLET PROTECTION REQUIRED FOR ALL STORM DRAINS/CULVERTS (SEE BMP DETAILS)

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CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Drive Intersection
BMP PLAN

SCALE	1"= 20'
SHEET	BMP-7
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

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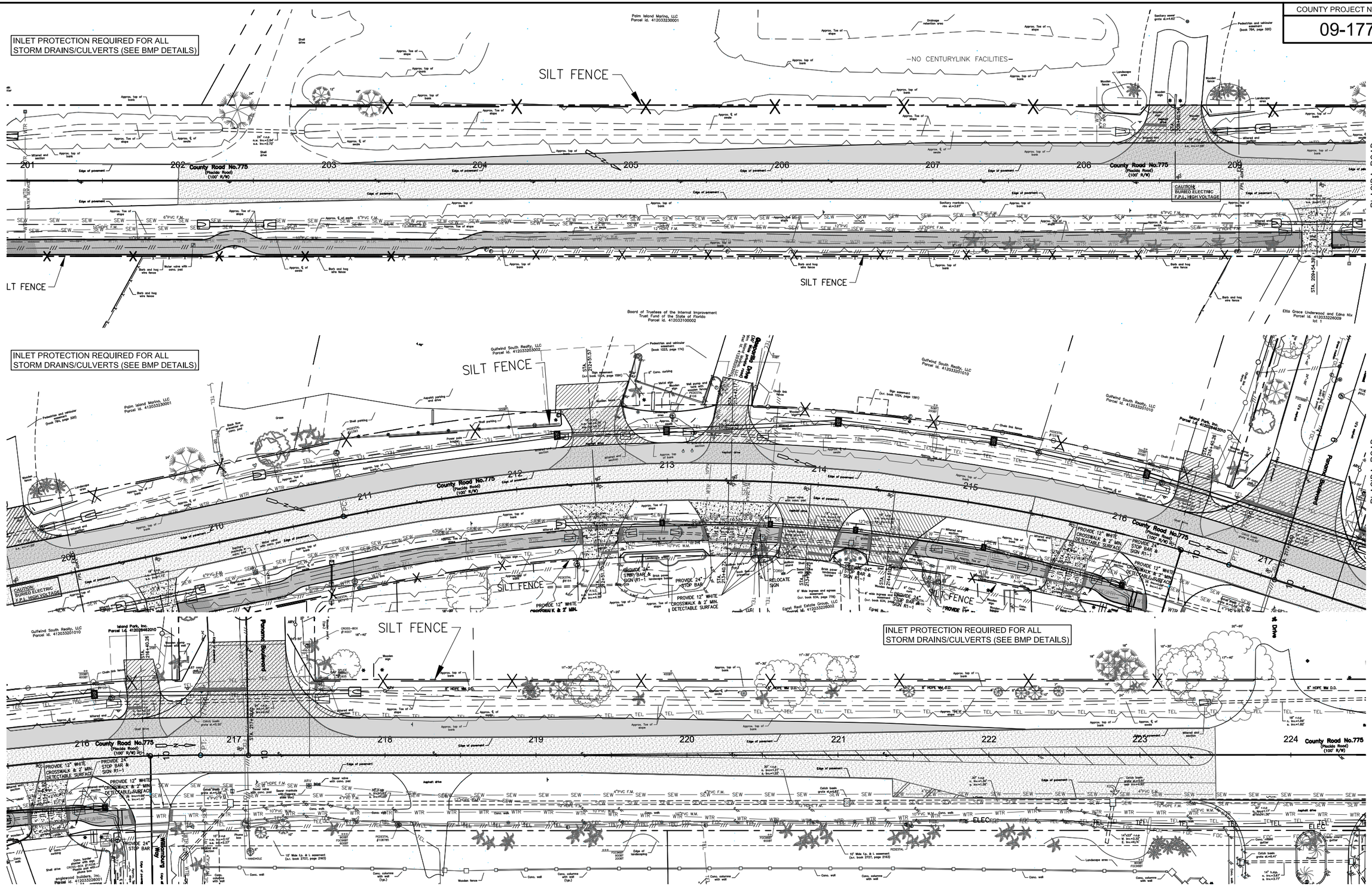

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CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Panama Blvd. Intersection
BMP PLAN

SCALE	1"= 30'
SHEET	BMP-8
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

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COUNTY PROJECT NUMBER
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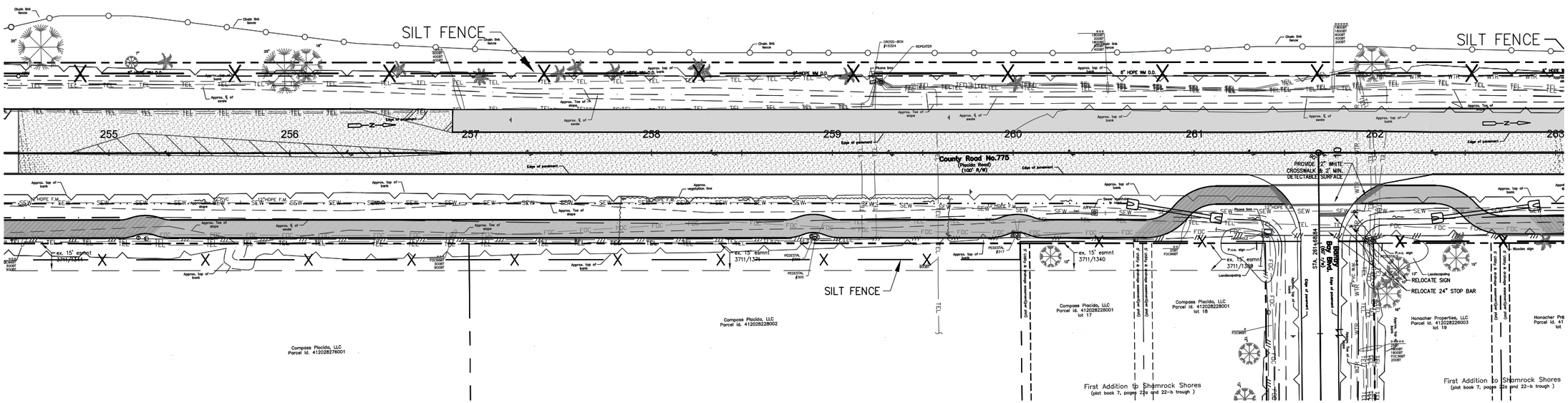
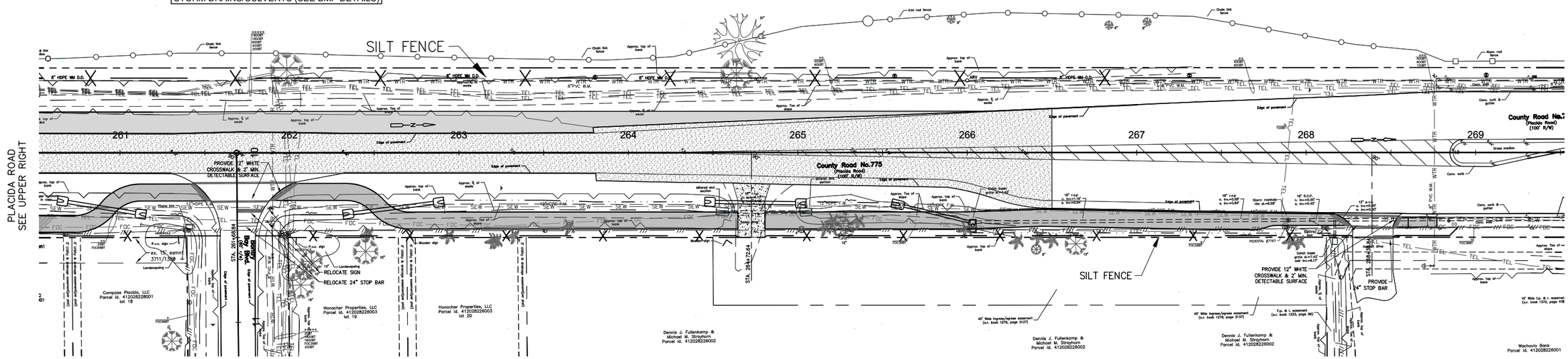
INLET PROTECTION REQUIRED FOR ALL
STORM DRAINS/CULVERTS (SEE BMP DETAILS)



INLET PROTECTION REQUIRED FOR ALL
STORM DRAINS/CULVERTS (SEE BMP DETAILS)



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SECS. 03/42S/20E & 28,33,34/41S/20E			

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Bantry Bay Boulevard Intersection
BMP PLAN

SCALE	1"= 30'
SHEET	BMP-9
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

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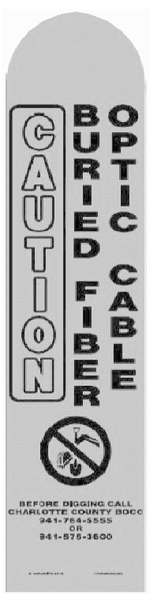
COUNTY PROJECT NUMBER
09-177

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																		GRAND TOTAL		REF. SHEET
			IT-2		IT-3		STA. 158+65 TO 181+65		IT-4		IT-5		STA. 216+85 TO 227+65		IT-6		IT-7		STA.268+70 TO 272+50				
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	
630-2-11	CONDUIT, F&I, OPEN TRENCH (UNDERGROUND)	LF	1330		100		1980		1965		715		840		1300		1150				9380		
	2" ORANGE CONDUIT - 2 RUNS																						
630-2-12	CONDUIT, F& I, DIRECTIONAL DRILL	LF	930		864		320		370		450		240		1035		620		380		5209		
	2" ORANGE CONDUIT - 2 RUNS																						
635-2-12	PULL & SPLICE BOX, F & I, 24"X36" COVER SIZE	EA	3		1		1		3		1				3		2				14		
	(COMM.)																						
715-1-11	LIGHTING CONDUCTORS, F & I, INSULATED	LF	2260		964		2300		2335		1165		1080		2335		1770		380		14589		
	(#10 AWG STRANDED TRACER WIRE) - 1 RUN																						



FIBER OPTIC ROUTE MARKER DETAIL

LEGEND:

- 2 - 2" HDPE (COMMUNICATIONS) ORANGE CONDUITS
- 2 - 2" HDPE (COMMUNICATIONS) ORANGE CONDUITS DIRECTIONAL DRILLED AT DRIVEWAYS AND CONFLICTS.
- PULL BOX (COMMUNICATIONS) 24" x 36"
- FIBER OPTIC CABLE ROUTE MARKERS

GENERAL NOTES:

1. ALL WORK AND MATERIALS FOR THE COMMUNICATIONS CONDUIT SHALL CONFORM TO THE CHARLOTTE COUNTY LIGHTING DISTRICT SUPPLEMENTAL SPECIFICATIONS FOR TRAFFIC SIGNAL INSTALLATIONS AND CHARLOTTE COUNTY LIGHTING DISTRICT SUPPLEMENTAL SPECIFICATIONS FOR FIBER OPTICS AT TRAFFIC SIGNALS DIVICES - CURRENT EDITIONS.
2. 2 - 2" HDPE (COMMUNICATIONS) ORANGE CONDUITS CONDUITS SHALL HAVE A #10 AWG STRANDED WIRE FOR LOCATING PURPOSES.
3. 2 - 2" HDPE (COMMUNICATIONS) ORANGE CONDUITS DIRECTIONAL DRILLED AT DRIVEWAYS AND CONFLICTS.
4. FOR PULL BOX (COMMUNICATIONS) SPECIFICATIONS SEE:
   FDOT ROADWAY DESIGN MANUAL, INDEX NO. 17500
   FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 635
   CHARLOTTE COUNTY SUPPLEMENTAL SPECIFICATIONS FOR TRAFFIC SIGNAL INSTALLATION, CURRENT EDITION.
5. A COMMUNICATION PULL BOX IS PLACED EVERY 1000 FEET, (APPROXIMATELY) AS DEPICTED ON THE PLANS.
6. COMMUNICATION PULL BOXES SHALL BE QUAZITE PART #PG2436BA24 (24"W x 36"L x 24"D).
7. FIBER OPTIC CABLE ROUTE MARKERS SHALL BE PLACED EVERY 1000 FEET, AS NOTED ON THE PLANS. CONTRACTOR SHALL CONTACT CHARLOTTE COUNTY LIGHTING DISTRICT TO VERIFY SPECIFIC MESSAGE TO BE PLACED ON POLY DOME FIBER OPTIC ROUTE MARKER.
8. COST TO FURNISH AND INSTALL FIBER OPTIC ROUTE MARKERS SHALL BE INCIDENTAL TO THE COMMUNICATIONS CONDUITS PAY ITEM 630-2-11.

DATE	REVISION	BY	DATE	REVISION	BY
3-23-16	90% COMMENTS	CVO			

GWE GIFFELS-WEBSTER ENGINEERS, INC.
Certificate of Authorization No. 3607
900 Pine Street, Suite 225
Englewood, Florida 34223
Phone (941)475-7981
Fax (941)474-4285

DATE 9/30/14	CKD. BY	DATE	
DRAWN CVO	JHC	10/14	
DESIGN AJW	JHC	10/14	
SECS. 03/42S/20E & 28,33,34/41S/20E			

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

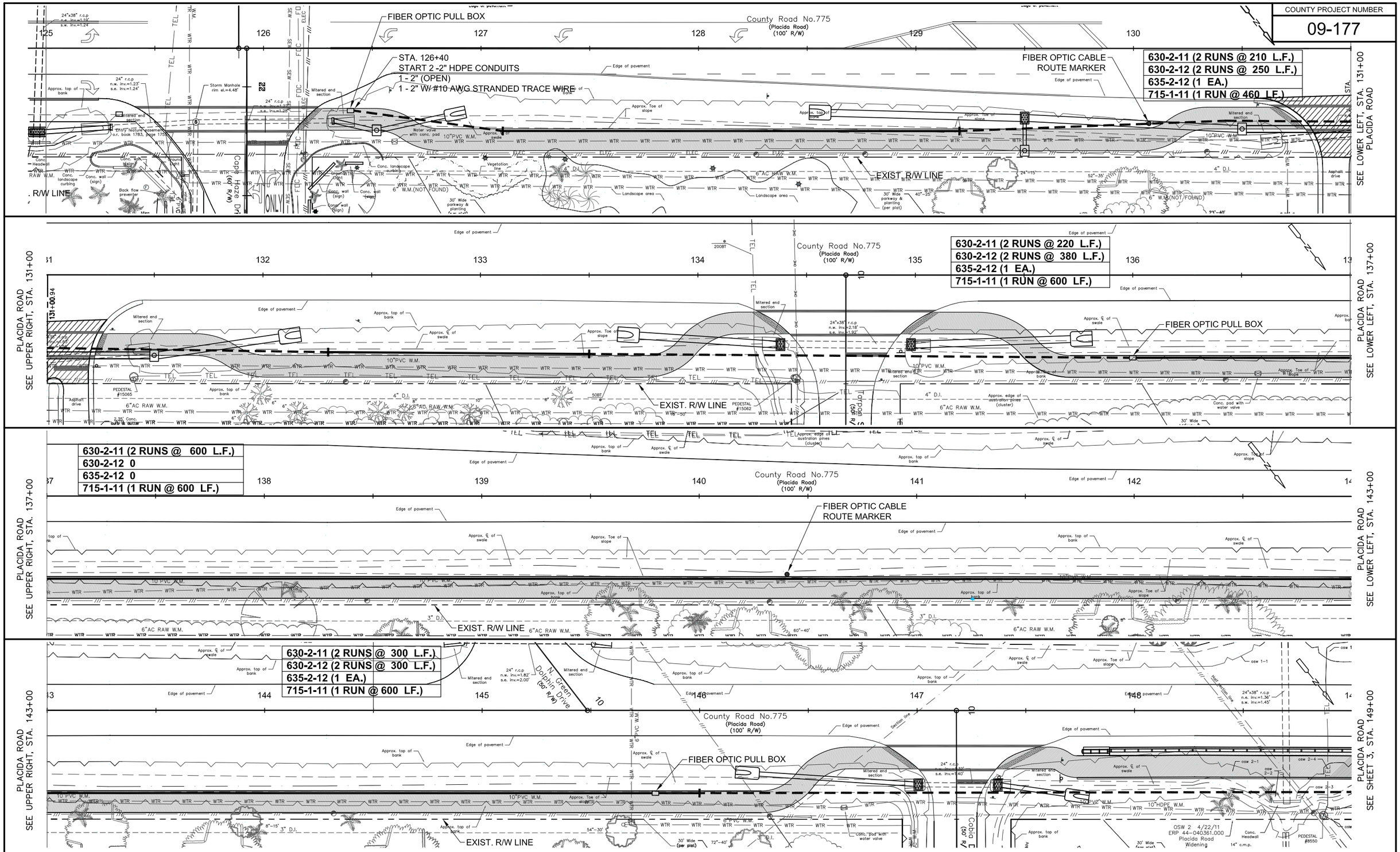
Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
ITS CONDUITS PLANS

SCALE N/A
SHEET ITS-1
GWE NO. 5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

COUNTY PROJECT NUMBER

09-177



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CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

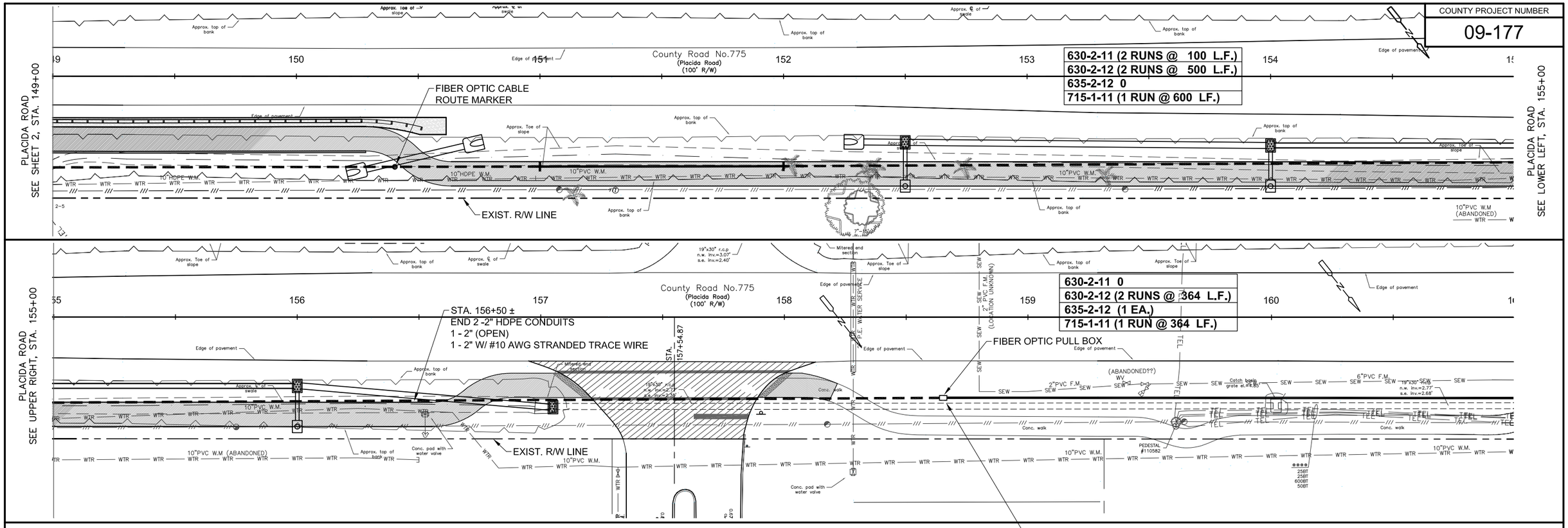
Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
ITS CONDUITS PLANS

SCALE	1"= 20'
SHEET	ITS-2
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

COUNTY PROJECT NUMBER

09-177



630-2-11 (2 RUNS @ 100 L.F.)
630-2-12 (2 RUNS @ 500 L.F.)
635-2-12 0
715-1-11 (1 RUN @ 600 LF.)

630-2-11 0
630-2-12 (2 RUNS @ 364 L.F.)
635-2-12 (1 EA.)
715-1-11 (1 RUN @ 364 LF.)

CONTINUE CONDUITS INSTALLATION FROM STA. 158+65 TO 181+65 AT APPROXIMATELY 15' OFF EDGE OF PAVEMENT WITH ONE (1) PULL BOX AT STA. 170+00 ± PER FIELD DIRECTION OF CHARLOTTE COUNTY.

630-2-11 (2 RUNS @ 1930 L.F.)
630-2-12 (2 RUNS @ 320 L.F.)
635-2-12 (1 EA.)
715-1-11 (1 RUN @ 2300 LF.)

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SECS. 03/42S/20E & 28,33,34/41S/20E		

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
ITS CONDUITS PLANS

SCALE 1"= 20'
SHEET ITS-3
GWE NO. 5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

COUNTY PROJECT NUMBER

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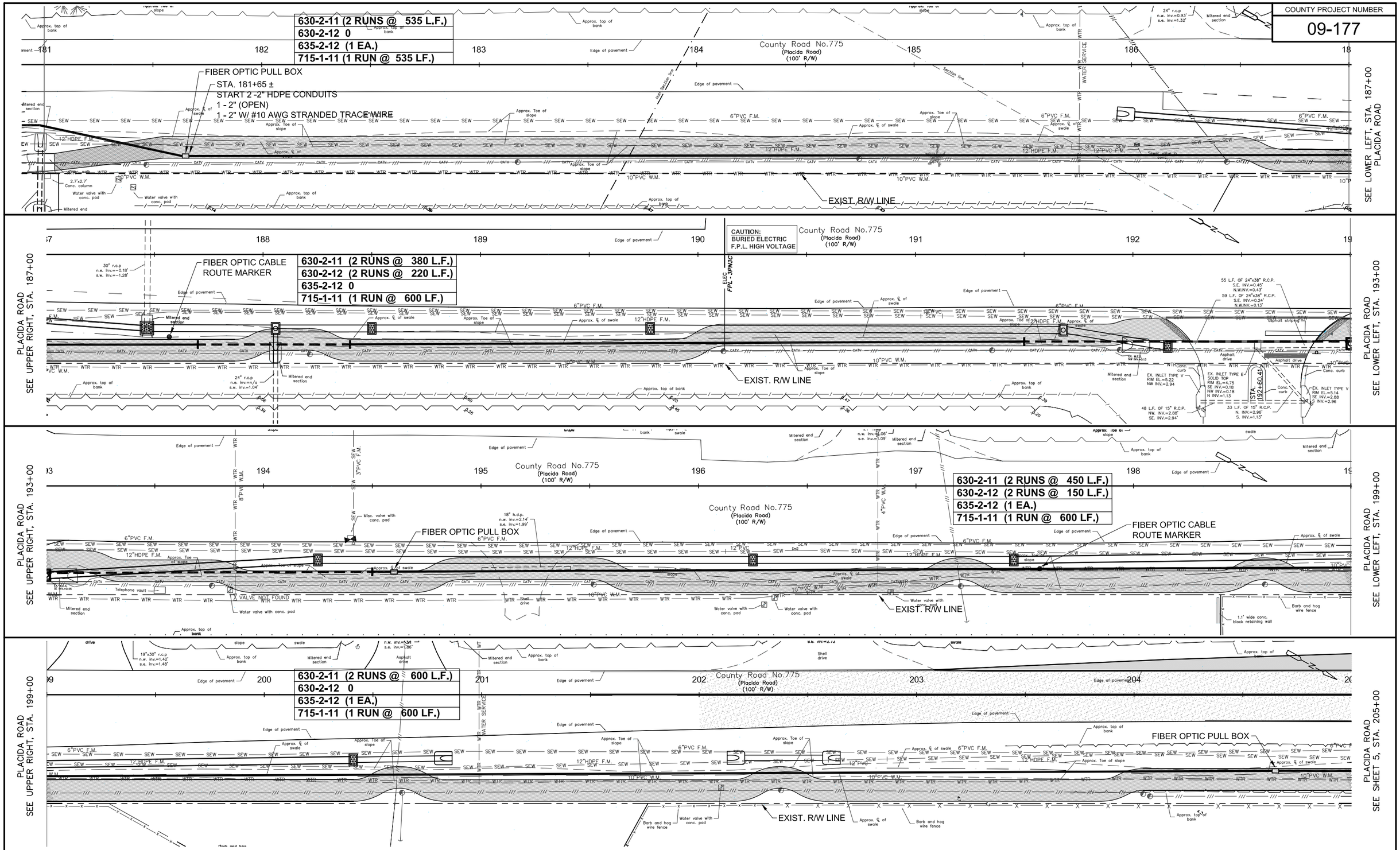

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3-23-16	90% COMMENTS	CVO			

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DESIGN	AJW	JHC	10/14
SECS. 03/42S/20E & 28,33,34/41S/20E			

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

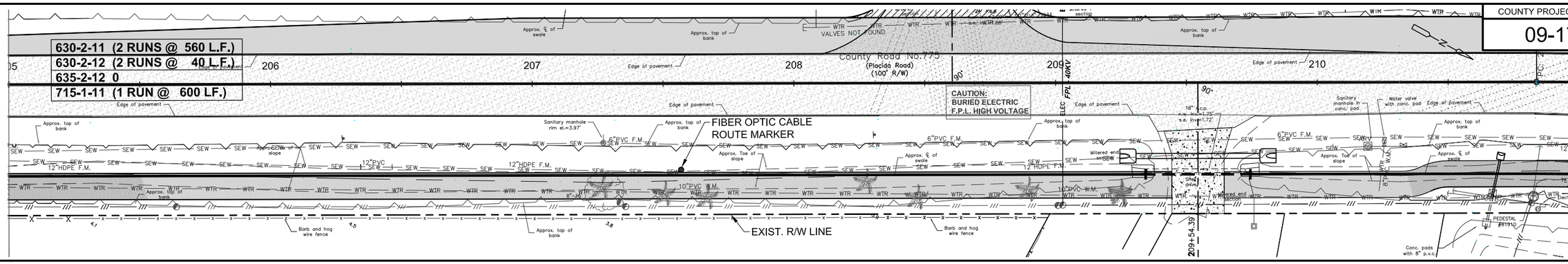
Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
ITS CONDUITS PLANS

SCALE	1"= 20'
SHEET	ITS-4
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

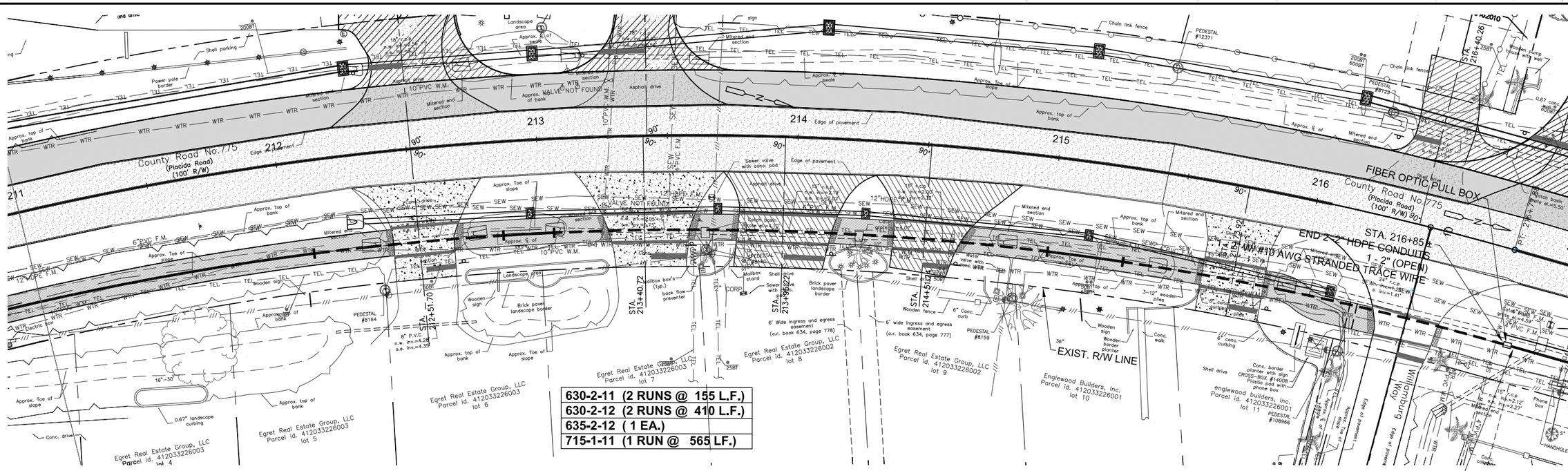
COUNTY PROJECT NUMBER
09-177

PLACIDA ROAD
SEE SHEET 4, STA. 205+00



PLACIDA ROAD
SEE LOWER LEFT, STA. 211+00

PLACIDA ROAD
SEE UPPER RIGHT, STA. 211+00



630-2-11 (2 RUNS @ 155 L.F.)
630-2-12 (2 RUNS @ 410 L.F.)
635-2-12 (1 EA.)
715-1-11 (1 RUN @ 565 LF.)

CONTINUE CONDUITS INSTALLATION FROM STA. 216+85 TO 227+65 AT APPROXIMATELY 20' OFF EDGE OF PAVEMENT PER FIELD DIRECTION OF CHARLOTTE COUNTY.

630-2-11 (2 RUNS @ 840 L.F.)
630-2-12 (2 RUNS @ 240 L.F.)
635-2-12 0
715-1-11 (1 RUN @ 1080 LF.)

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DESIGN AJW	JHC	10/14
SECS. 03/42S/20E & 28,33,34/41S/20E		

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
ITS CONDUITS PLANS

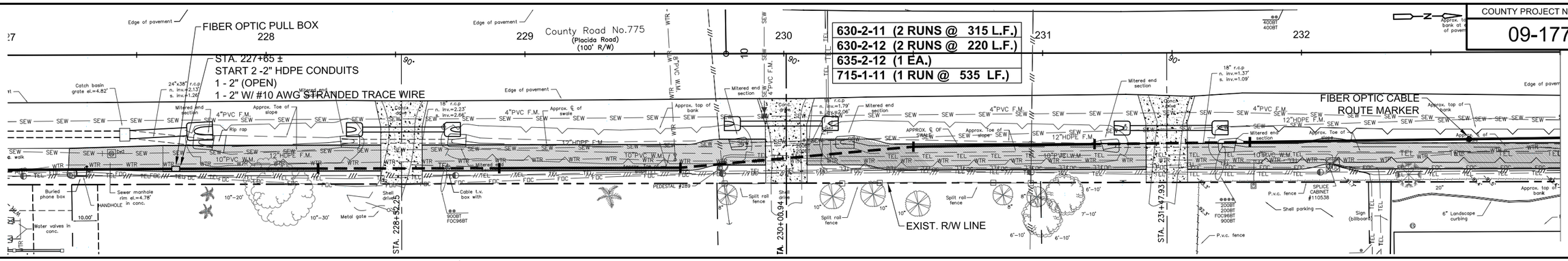
SCALE	1"= 20'
SHEET	ITS-5
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

COUNTY PROJECT NUMBER

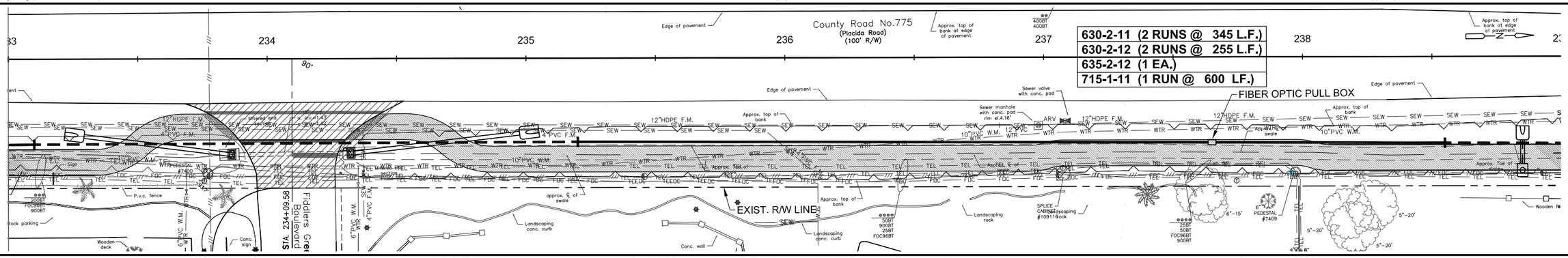
09-177

PLACIDA ROAD
START SIDEWALK, STA. 227+23.9



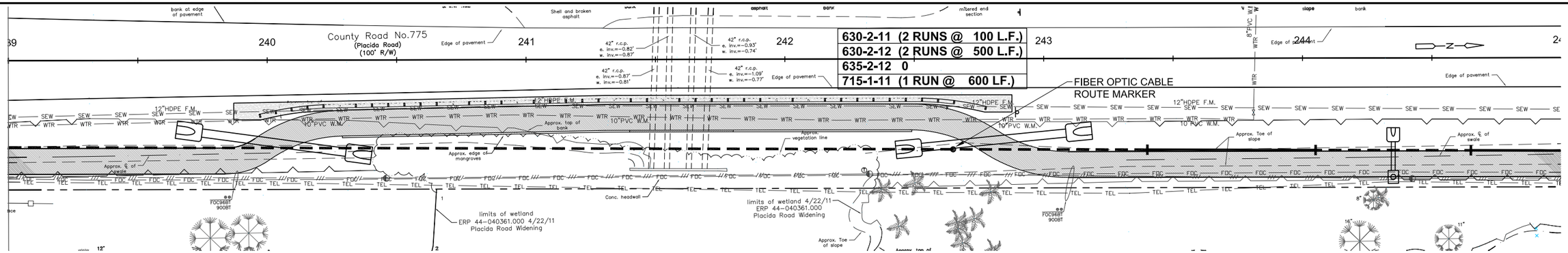
PLACIDA ROAD
SEE LOWER LEFT, STA. 233+00

PLACIDA ROAD
SEE UPPER RIGHT, STA. 233+00



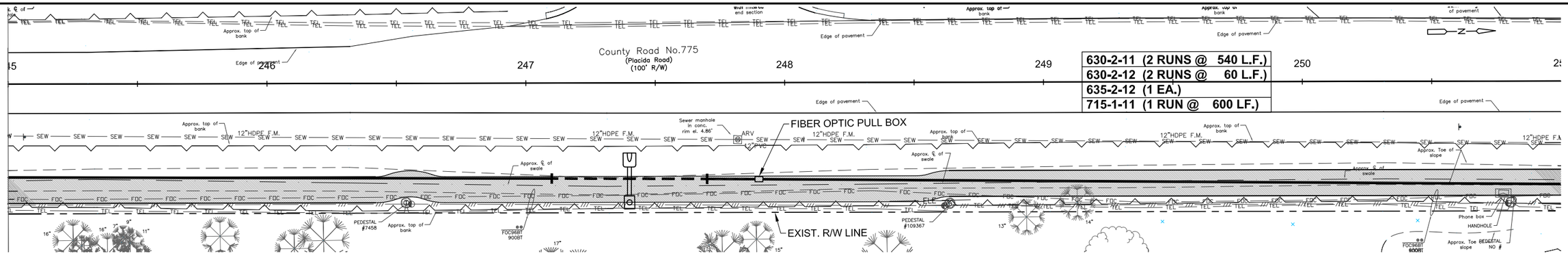
PLACIDA ROAD
SEE LOWER LEFT, STA. 239+00

PLACIDA ROAD
SEE UPPER RIGHT, STA. 239+00



PLACIDA ROAD
SEE LOWER LEFT, STA. 245+00

PLACIDA ROAD
SEE UPPER RIGHT, STA. 246+00



PLACIDA ROAD
SEE SHEET 7, STA. 251+00

DATE	REVISION	BY	DATE	REVISION	BY
3-23-16	90% COMMENTS	CVO			

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Certificate of Authorization No. 3607

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Phone (941)475-7981
Fax (941)474-4285

DATE	9/30/14	CKD. BY	DATE
DRAWN	CVO	JHC	10/14
DESIGN	AJW	JHC	10/14
SECS. 03/42S/20E & 28,33,34/41S/20E			

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
ITS CONDUITS PLANS

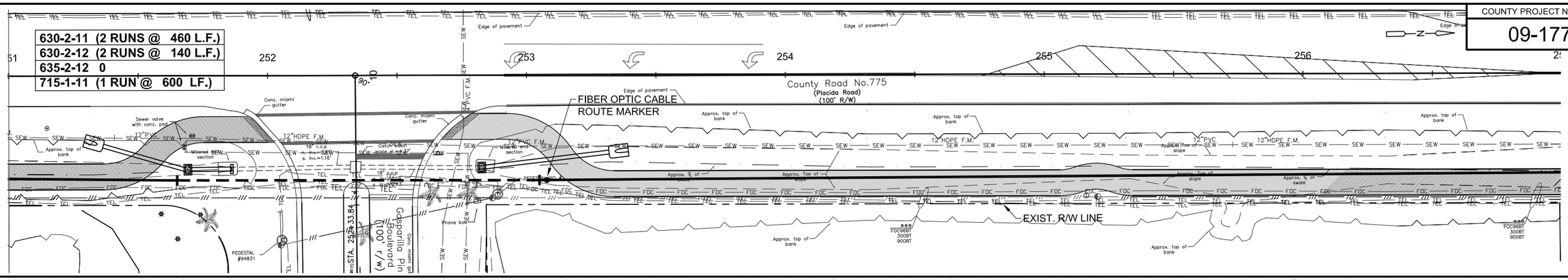
SCALE	1"= 20'
SHEET	ITS-6
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

COUNTY PROJECT NUMBER
09-177

PLACIDA ROAD
SEE SHEET 6, STA. 251+00

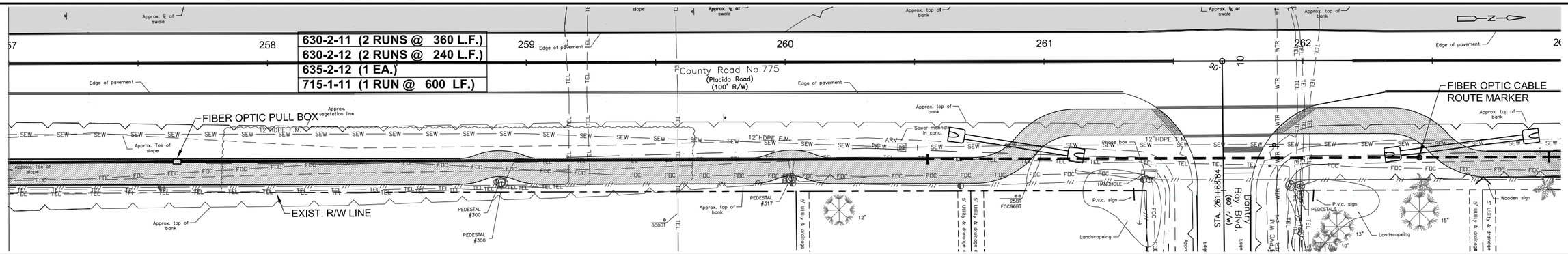
630-2-11 (2 RUNS @ 460 L.F.)
630-2-12 (2 RUNS @ 140 L.F.)
635-2-12 0
715-1-11 (1 RUN @ 600 LF.)



PLACIDA ROAD
SEE LOWER LEFT, STA. 257+00

PLACIDA ROAD
SEE UPPER RIGHT, STA. 257+00

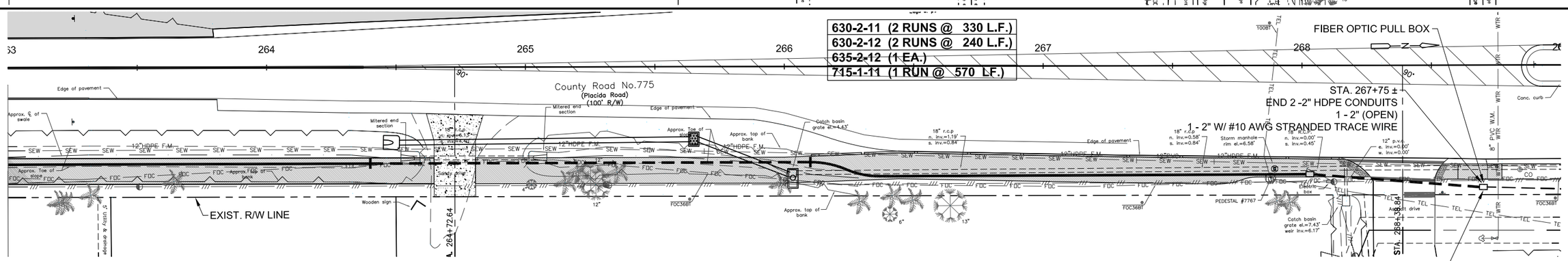
630-2-11 (2 RUNS @ 360 L.F.)
630-2-12 (2 RUNS @ 240 L.F.)
635-2-12 (1 EA.)
715-1-11 (1 RUN @ 600 LF.)



PLACIDA ROAD
SEE LOWER LEFT, STA. 263+00

PLACIDA ROAD
SEE UPPER RIGHT, STA. 263+00

630-2-11 (2 RUNS @ 330 L.F.)
630-2-12 (2 RUNS @ 240 L.F.)
635-2-12 (1 EA.)
715-1-11 (1 RUN @ 570 LF.)



CONTINUE CONDUITS INSTALLATION FROM STA. 268+70 TO AN EXISTING PULL BOX AT THE NORTHEAST CORNER OF PLACIDA ROTONDA WEST (STA. 272+50) PER FIELD DIRECTION OF CHARLOTTE COUNTY.

630-2-11 0
630-2-12 (2 RUNS @ 380 L.F.)
635-2-12 0
715-1-11 (1 RUN @ 380 LF.)

DATE	REVISION	BY	DATE	REVISION	BY
3-23-16	90% COMMENTS	CVO			

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Certificate of Authorization No. 3607

900 Pine Street, Suite 225
Englewood, Florida 34223
Phone (941)475-7981
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DATE	9/30/14	CKD. BY	DATE
DRAWN	CVO	JHC	10/14
DESIGN	AJW	JHC	10/14
SECS. 03/42S/20E & 28,33,34/41S/20E			

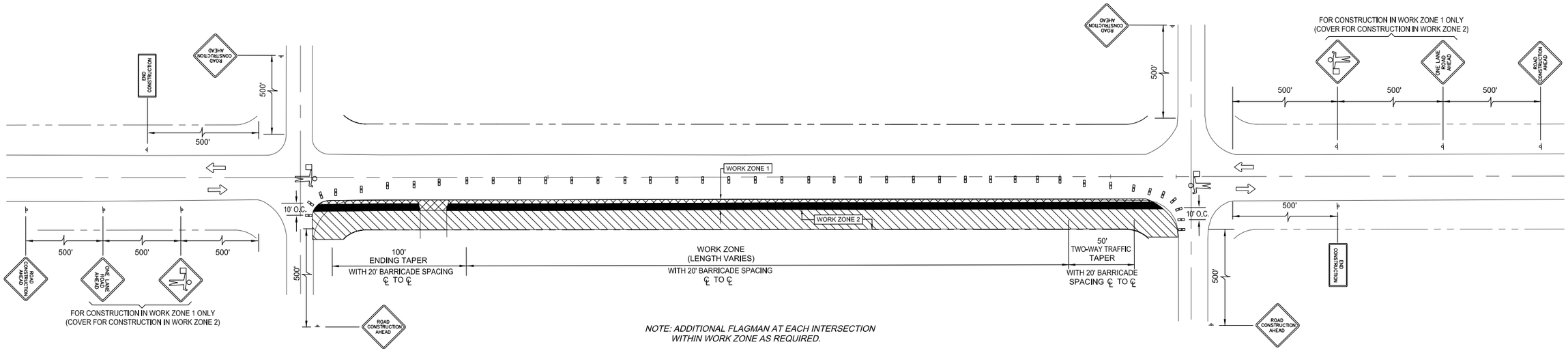
CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
ITS CONDUITS PLANS

SCALE	1"= 20'
SHEET	ITS-7
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

COUNTY PROJECT NUMBER
09-177



NOTE: ADDITIONAL FLAGMAN AT EACH INTERSECTION WITHIN WORK ZONE AS REQUIRED.

TWO LANE, TWO WAY - RURAL (INCLUDING INTERSECTIONS)
SINGLE LANE CLOSURE

(REFER TO INDEX NO. 604)

WORK ZONE 1 (EDGE OF SIDEWALK TO EDGE OF PAVEMENT AND POURING OPERATION OF SIDEWALK)

TAPER AND LENGTH OF ONE LANE SEGMENT ARE MOVEABLE, DEPENDING ON EXACT LOCATION OF CONSTRUCTION IN WORK ZONE 1.

WORK ZONE 2 (INCLUDING FORMING OF SIDEWALK)

BARRICADES MAY BE MOVED OFF EDGE OF PAVEMENT WHEN WORK IS CONDUCTED IN WORK ZONE 2.

M.O.T. GENERAL NOTES

1. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION, PART IV AND THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS, LATEST EDITION, INDEX NO. 600 SERIES.
2. A MINIMUM OF ONE LANE OF TRAFFIC SHALL BE MAINTAINED AND CONTROLLED BY FLAGGERS AT ALL TIMES ALONG THE PROJECT.
3. ALL ONE LANE ROAD SIGNS SHALL BE FULLY COVERED AND FLAGGER SIGNS SHALL BE EITHER REMOVED OR FULLY COVERED WHEN NO WORK IS BEING PERFORMED AND THE ROADWAY IS OPEN TO TWO-WAY TRAFFIC.
4. AT LEAST ONE LANE OF TRAFFIC SHALL BE MAINTAINED FOR ALL SIDE STREETS AND DRIVEWAYS DURING CONSTRUCTION.
5. ENDING TAPER TO BE ESTABLISHED AT END OF THE ACTUAL WORK ZONE EACH DAY.
6. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING TWELVE (12) HOURS PRIOR TO THE ROADWAY CLOSURE AND/OR DETOUR:
   - CHARLOTTE COUNTY TRANSPORTATION ENGINEERING DEPT. ——— 941-575-3600
   - EMERGENCY MEDICAL SERVICE (E.M.S.) ——— 941-629-9996
   - CHARLOTTE COUNTY FIRE DEPT. ——— 941-625-4203
   - CHARLOTTE COUNTY SHERIFF'S DEPT. ——— 941-625-2101
   - CHARLOTTE COUNTY SCHOOL BOARD-TRANSPORTATION DIVISION ——— 941-639-2121
   - THE PUBLIC - NEWSPAPERS, RADIO AND TELEVISION STATIONS, 72 HOURS PRIOR TO CLOSURE AND/OR DETOUR.
7. ANY ADDITIONAL TRAFFIC CONTROL DEVICES DEEMED NECESSARY DURING THE PROJECT WILL BE PROVIDED BY THE CONTRACTOR.
8. ADDITIONAL FLAGMAN AND M.O.T. SIGNS MAY BE NECESSARY. THE CONTRACTOR SHALL PROVIDE ADDITIONAL M.O.T. IN ACCORDANCE WITH THE M.U.T.C.D. OR AS DIRECTED AT NO ADDITIONAL COST.

GENERAL NOTES - INDEX 604

1. CONSTRUCTION OPERATIONS SHALL BE CONFINED TO ONE TRAFFIC LANE, LEAVING THE OPPOSITE LANE OPEN TO TRAFFIC
2. ALL VEHICLES, EQUIPMENT, WORKERS (EXCEPT FLAGGERS) AND THEIR ACTIVITIES ARE RESTRICTED AT ALL TIMES TO ONE SIDE OF THE PAVEMENT.
3. ADDITIONAL ONE-WAY CONTROL MAY BE EFFECTED BY THE FOLLOWING MEANS:
   (1) FLAG-CARRYING VEHICLE (2) OFFICIAL VEHICLE
   (3) PILOT VEHICLES (4) TRAFFIC SIGNALS

   WHEN FLAGGERS ARE THE SOLE MEANS OF ONE-WAY CONTROL, THE FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES.
4. THE FIRST TWO WARNING SIGNS SHALL HAVE AN 18" x 18" (MIN.) ORANGE FLAG AND A TYPE "B" LIGHT ATTACHED AND OPERATING AT ALL TIMES.
5. THE "FLAGGER" LEGEND SIGN MAY BE SUBSTITUTED FOR THE SYMBOL SIGN.
6. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS 12 HOURS.
7. L (min) = WS for speeds ≥ 45 mph

   $= \frac{WS^2}{60}$ for speeds ≤ 40 mph

   WHERE:
   W = WIDTH OF LATERAL TRANSITION IN FEET.
   S = POSTED SPEED LIMIT (MPH) - PER MUTCD MANUAL
8. THE "ONE LANE ROAD" SIGNS ARE TO BE FULLY COVERED AND THE "FLAGGER" SIGNS EITHER REMOVED OR FULLY COVERED WHEN NO WORK IS BEING PERFORMED AND THE HIGHWAY IS OPEN TO TWO-WAY TRAFFIC.
9. ARROWS DENOTE DIRECTION OF TRAFFIC ONLY AND DO NOT REFLECT PAVEMENT MARKINGS.
10. LONGITUDINAL DIMENSIONS ARE TO BE ADJUSTED TO FIT FIELD CONDITIONS. SEE INDEX NO. 600.
11. WHEN A SIDE ROAD INTERSECTS THE HIGHWAY ON WHICH WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROL DEVICES SHALL BE ERECTED IN ACCORDANCE WITH OTHER APPLICABLE TCZ INDEXES.
12. FOR GENERAL TCZ REQUIREMENTS AND ADDITIONAL INFORMATION, REFER TO INDEX NO. 600.

DATE	REVISION	BY	DATE	REVISION

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DATE	9/14	CKD. BY	DATE
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DESIGN	AJW	JHC	10/14
SECS. 03/42S/20E & 28,33,34/41S/20E			

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

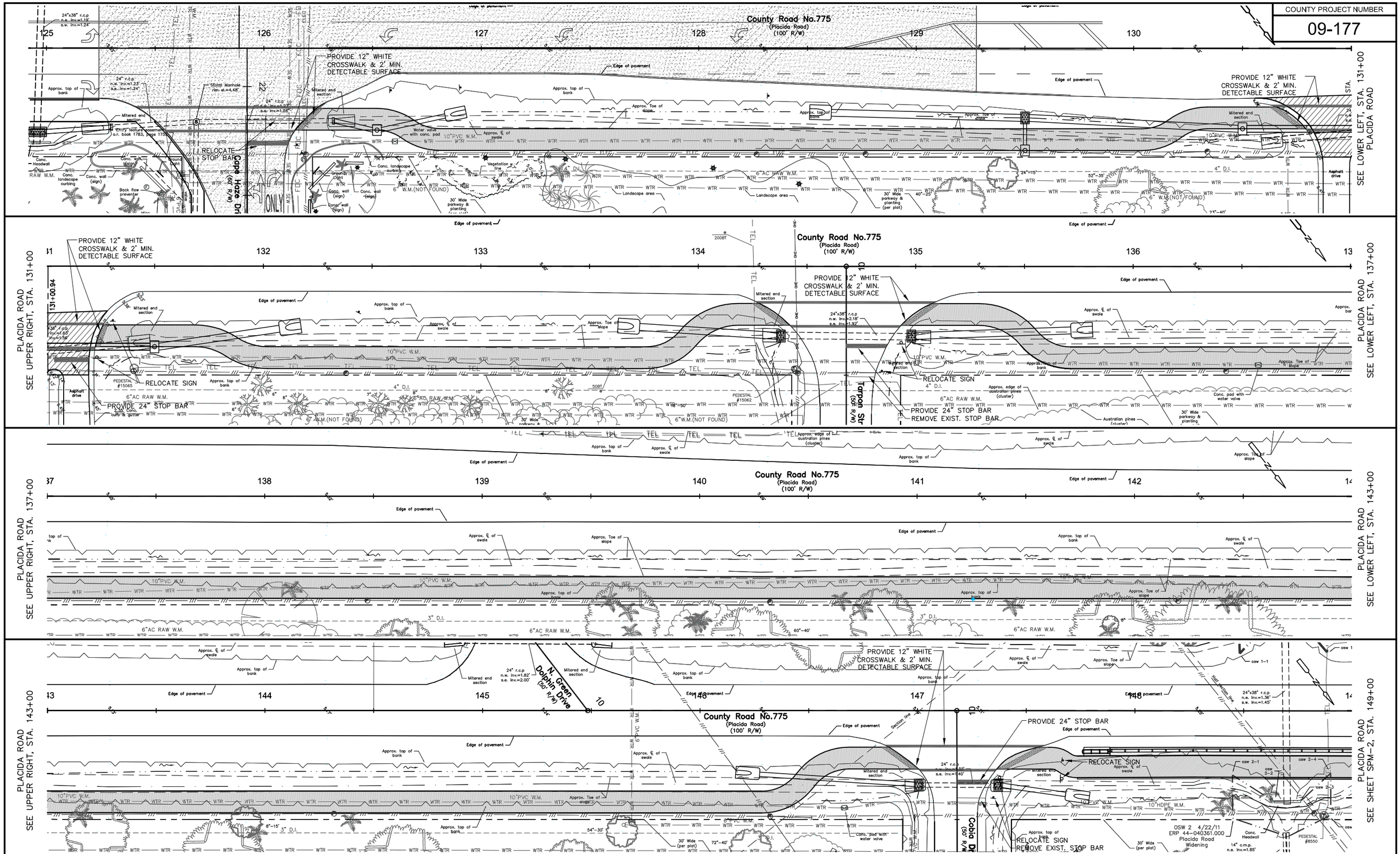
Placida Road
Cape Haze Dr. to Rotonda Blvd. West
MAINTENANCE OF TRAFFIC

SCALE	NTS
SHEET	MOT-1
GWE NO.	5955.20

ENGINEER OF RECORD
A. J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

COUNTY PROJECT NUMBER

09-177



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3-28-16	90% COMMENTS	CVO			

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DESIGN	AJW	JHC	03/16
SECS. 03/42S/20E & 28,33,34/41S/20E			

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
SIGNING & PAVEMENT MARKING

SCALE	1"= 20'
SHEET	SPM-1
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

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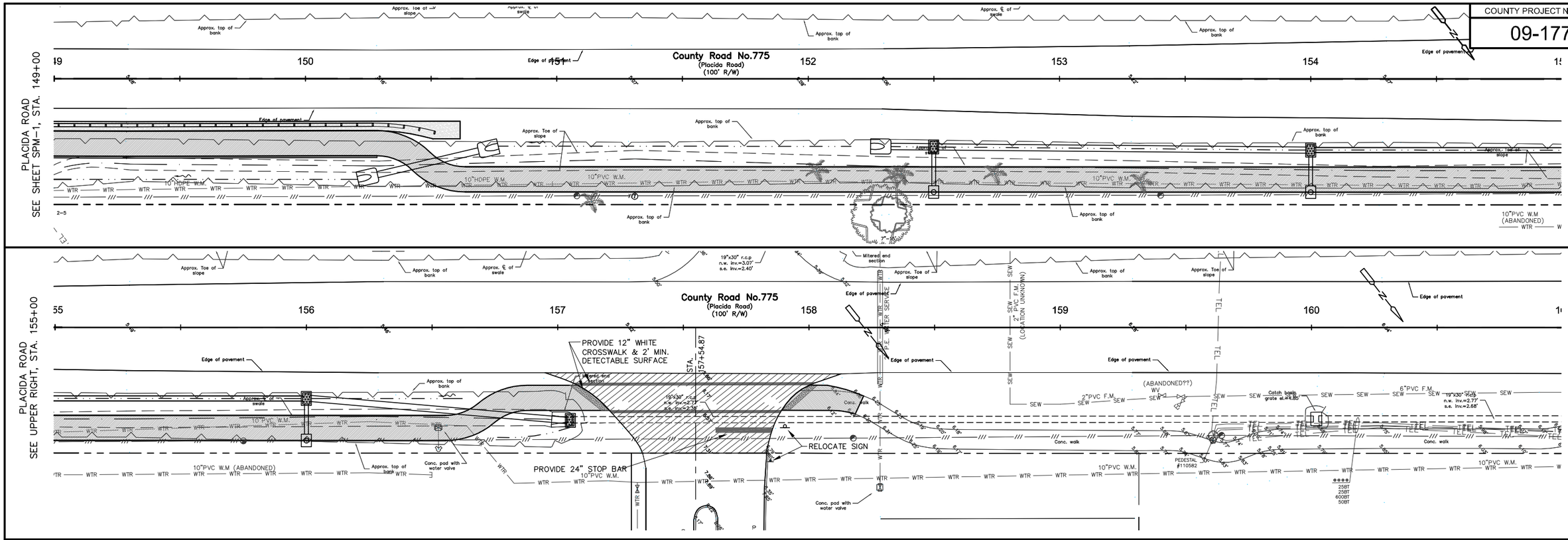
COUNTY PROJECT NUMBER

09-177



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DATE	03/03/16	CKD. BY	DATE
DRAWN	CVO	JHC	03/16
DESIGN	AJW	JHC	03/16
SECS. 03/42S/20E & 28,33,34/41S/20E			

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
SIGNING & PAVEMENT MARKING

SCALE	1"= 20'
SHEET	SPM-2
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

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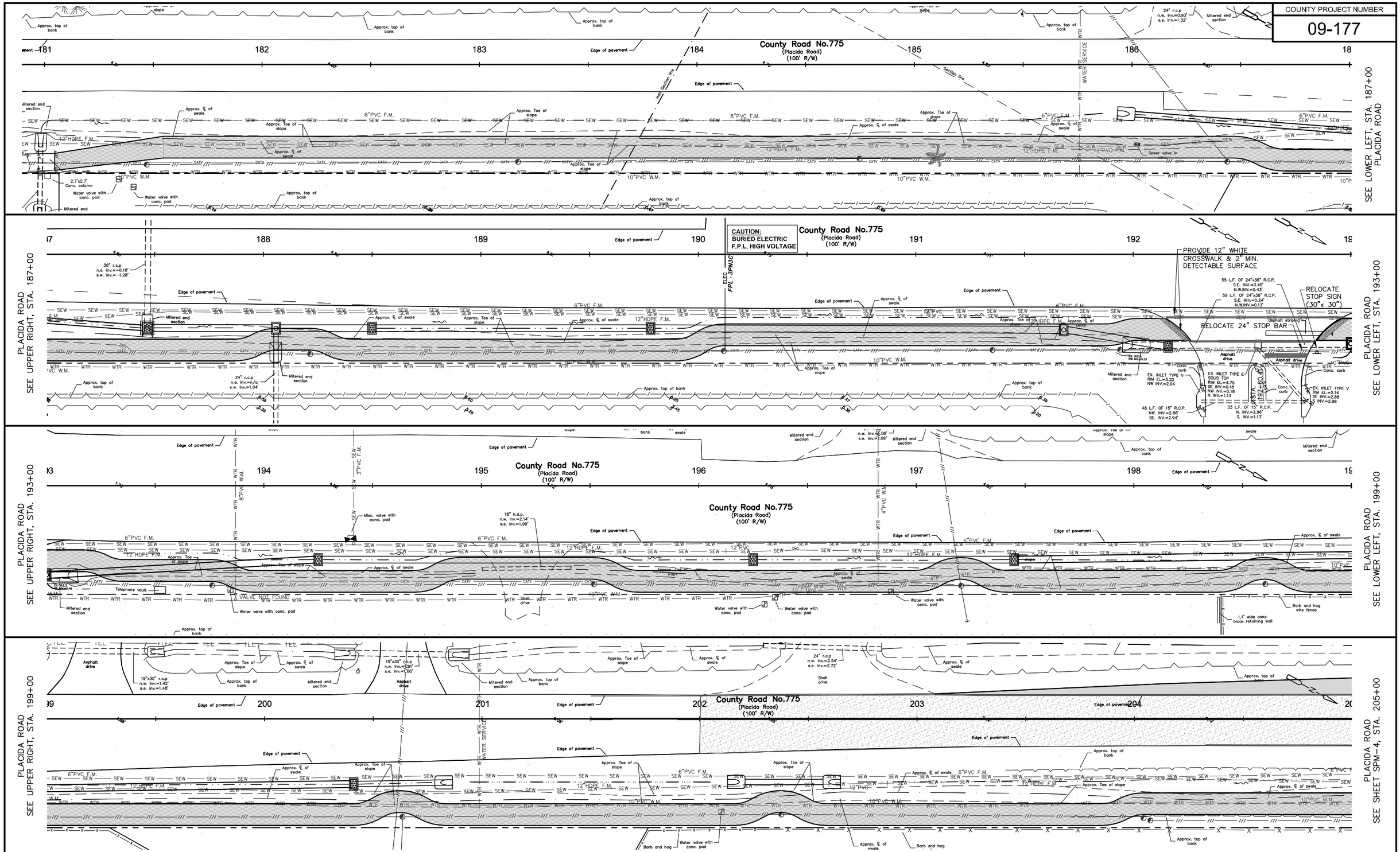
COUNTY PROJECT NUMBER

09-177



DATE	REVISION	BY	DATE	REVISION	BY
3-28-16	90% COMMENTS	CVO			

GWE GIFFELS-WEBSTER ENGINEERS, INC.
Certificate of Authorization No. 3607

900 Pine Street, Suite 225
Englewood, Florida 34223
Phone (941)475-7981
Fax (941)474-4285

DATE	03/03/16	CKD. BY	DATE
DRAWN	CVO	JHC	03/16
DESIGN	AJW	JHC	03/16
SECS. 03/42S/20E & 28,33,34/41S/20E			

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
SIGNING & PAVEMENT MARKING

SCALE	1"= 20'
SHEET	SPM-3
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

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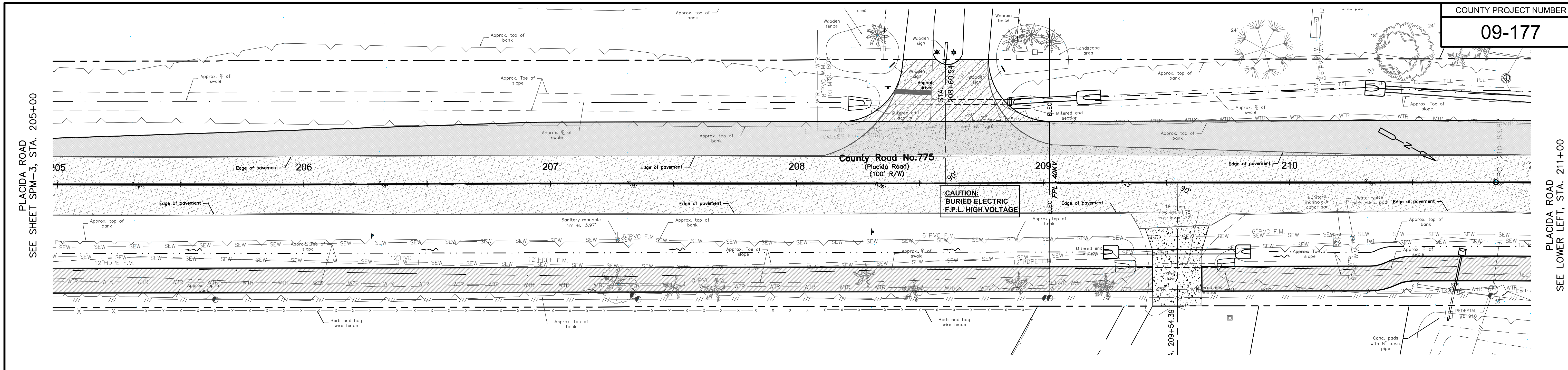
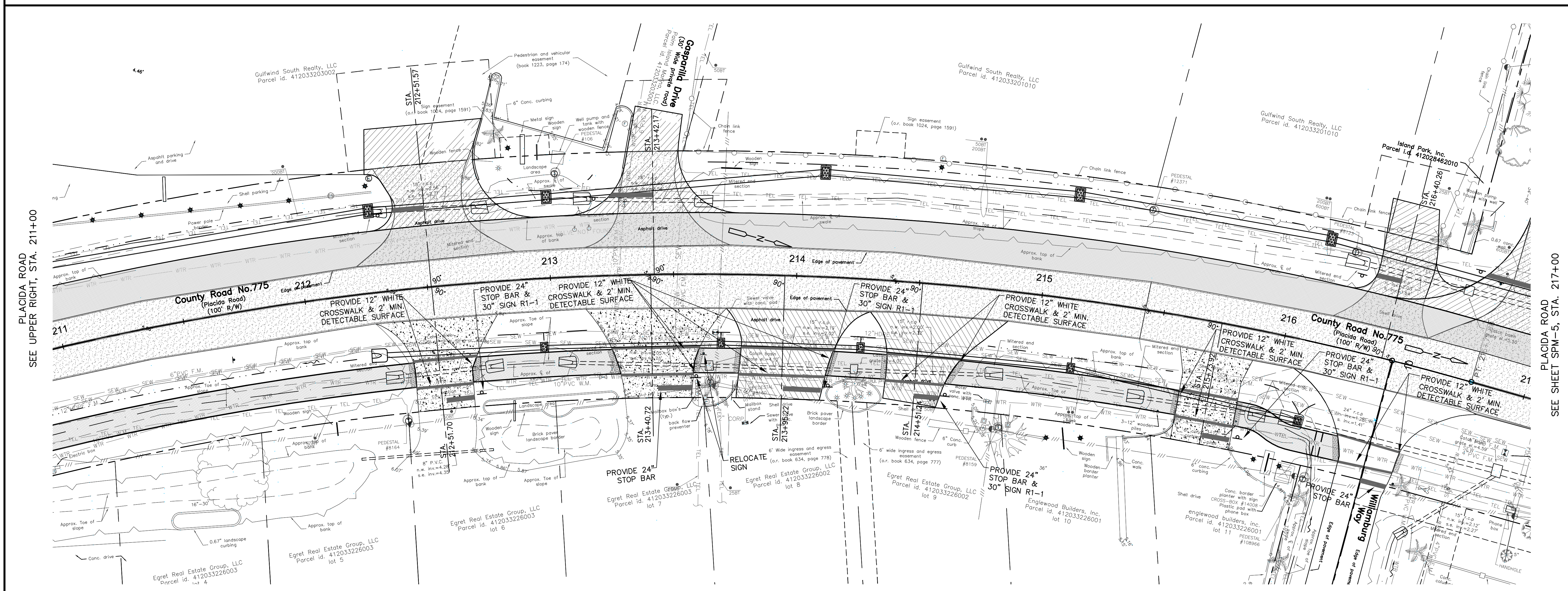
COUNTY PROJECT NUMBER

09-177





DATE	REVISION	BY	DATE	REVISION	BY
3-28-16	90% COMMENTS	CVO			

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DATE 03/03/16	CKD. BY	DATE
DRAWN CVO	JHC	03/16
DESIGN AJW	JHC	03/16
SECS. 03/42S/20E & 28,33,34/41S/20E		

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
SIGNING & PAVEMENT MARKING

SCALE	1"= 20'
SHEET	SPM-4
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

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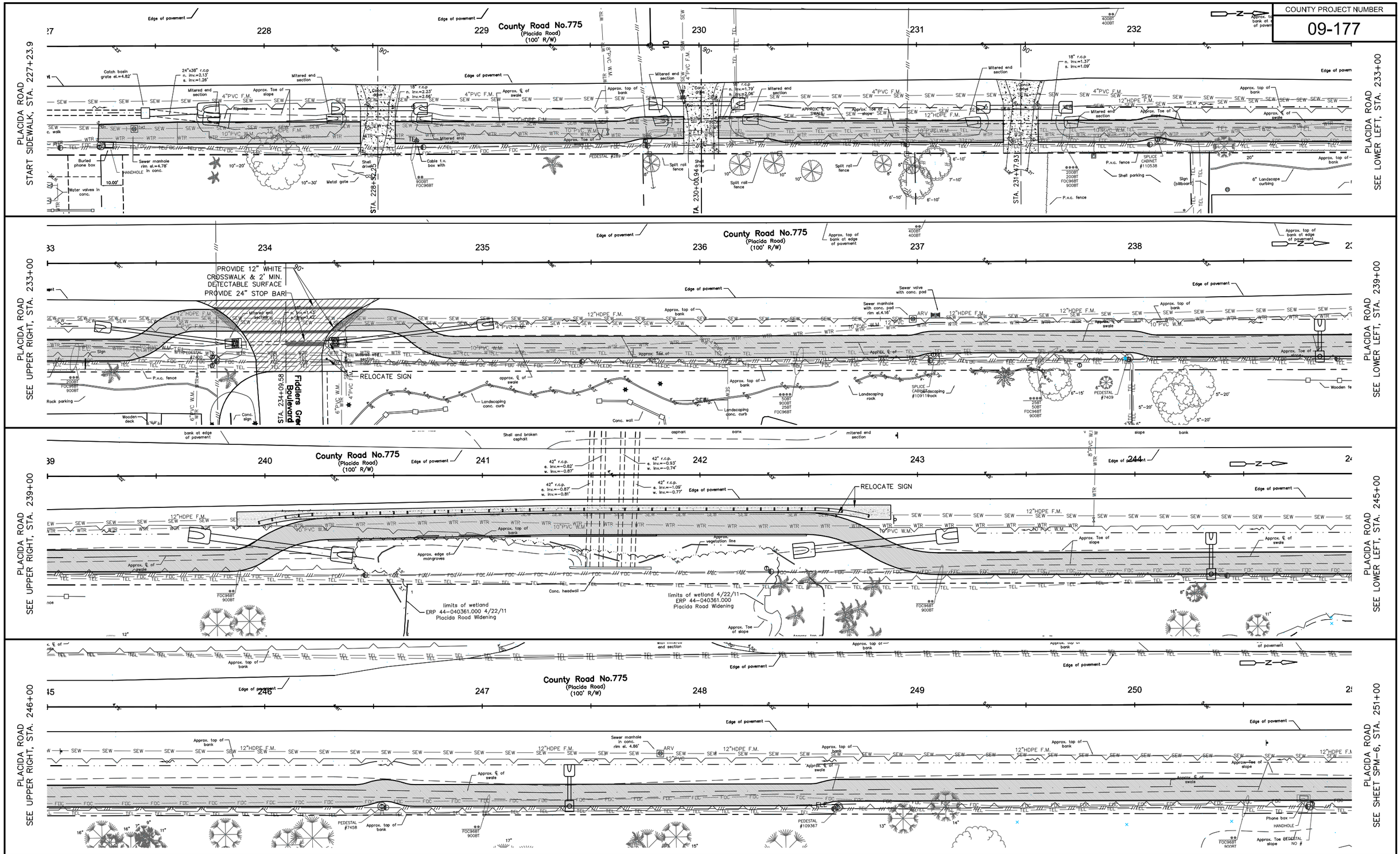
COUNTY PROJECT NUMBER
09-177



DATE	REVISION	BY	DATE	REVISION	BY
3-28-16	90% COMMENTS	CVO			

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DATE	03/03/16	CKD. BY	DATE
DRAWN	CVO	JHC	03/16
DESIGN	AJW	JHC	03/16
SECS. 03/42S/20E & 28,33,34/41S/20E			

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
SIGNING & PAVEMENT MARKING

SCALE	1"= 20'
SHEET	SPM-5
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

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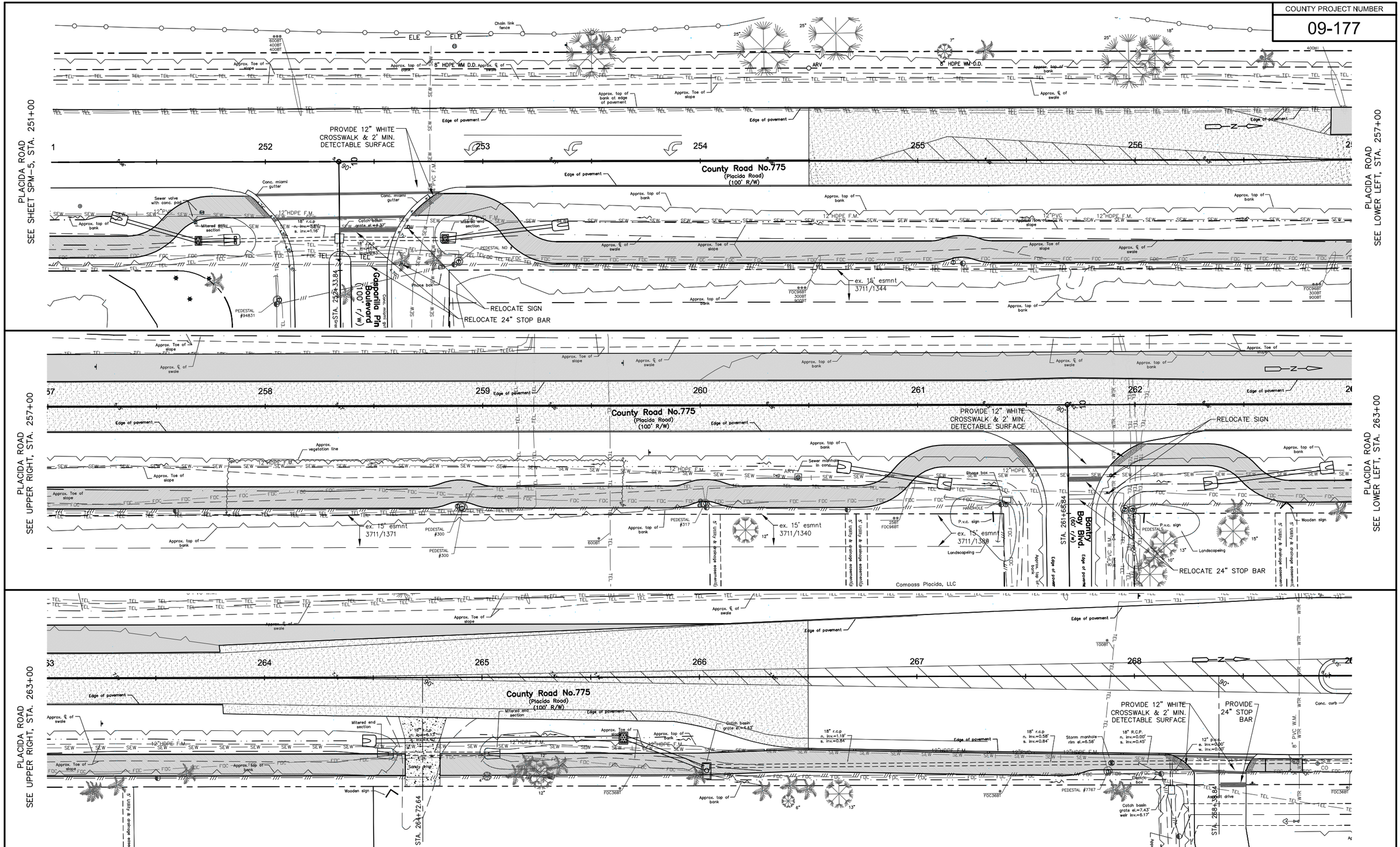
COUNTY PROJECT NUMBER

09-177



DATE	REVISION	BY	DATE	REVISION	BY
3-28-16	90% COMMENTS	CVO			

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DATE 03/03/16	CKD. BY	DATE
DRAWN CVO	JHC	03/16
DESIGN AJW	JHC	03/16
SECS. 03/42S/20E & 28,33,34/41S/20E		

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Dr. to Rotonda Blvd. West
SIGNING & PAVEMENT MARKING

SCALE	1"= 20'
SHEET	SPM-6
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

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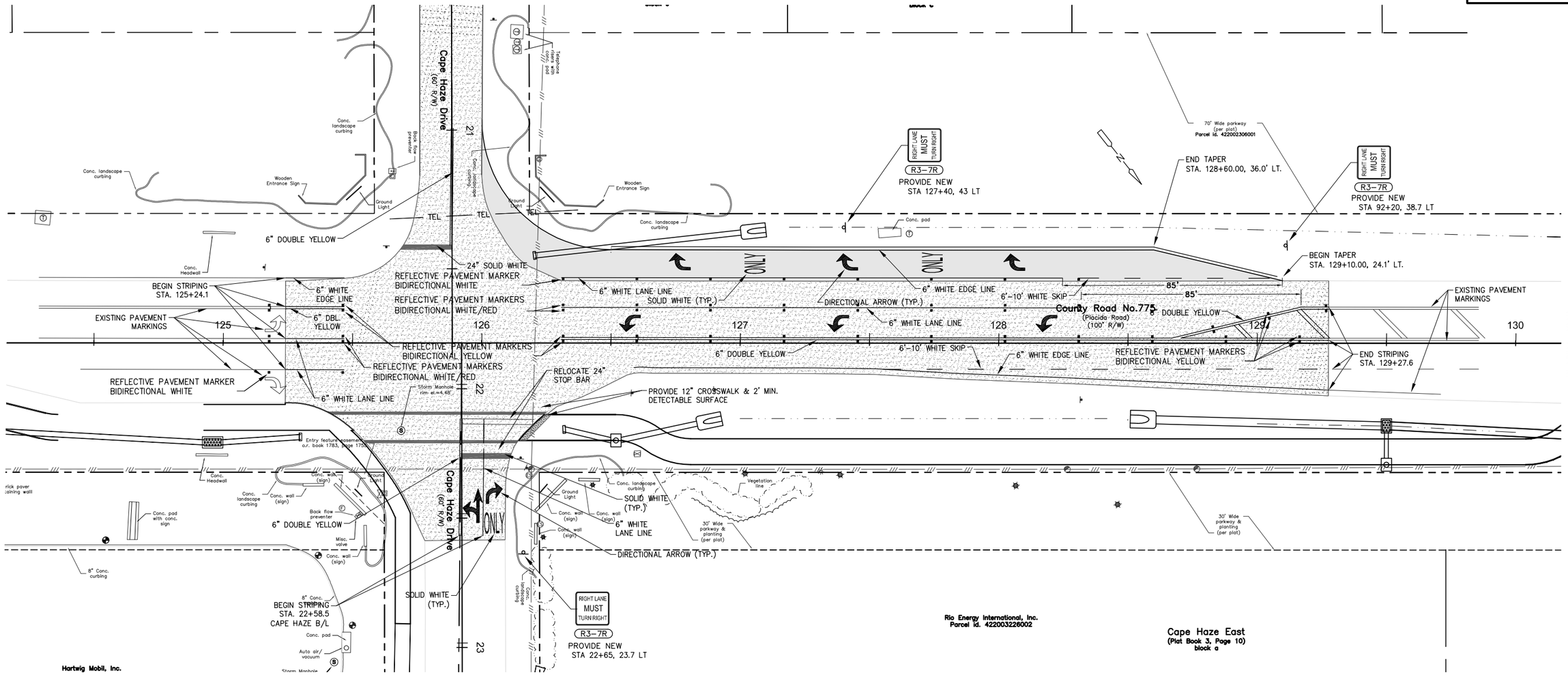
COUNTY PROJECT NUMBER

09-177



SIGNING & PAVEMENT MARKING NOTES

1. **ALL SIGNING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS AND THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.**
2. **ALL EXISTING SIGNS NOT RELOCATED SHALL BE REMOVED AND RETURNED TO THE COUNTY MAINTENANCE SHOP.**
3. **REFLECTIVE PAVEMENT MARKERS (R.P.M.'S) SHALL BE BI-DIRECTIONAL, COLOR AS SHOWN ON PLANS OR IN CONFORMANCE WITH F.D.O.T. INDEX # 17352.**
4. **STOP LINES (STOP BARS) SHALL BE PLACED NO CLOSER THAN 4 FEET FROM THE CROSSWALK LINES.**
5. **CROSSWALK LINES SHALL BE SPACED NOT LESS THAN 6 FEET APART.**
6. **PLACEMENT OF ALL SIGNS SHALL BE IN CONFORMANCE WITH F.D.O.T. STANDARD INDEX #'S 11860, 17302 & 17355.**
7. **PAVEMENT MARKINGS SHALL BE PLACED IN CONFORMANCE WITH F.D.O.T. STANDARD INDEX # 17346**
8. **ALL STRIPING SHALL BE INSTALLED WITH PAINT. ALL LEGENDS (STOP BARS, CROSSWALKS, ARROWS, TEXT MESSAGES) SHALL BE INSTALLED WITH THERMOPLASTIC.**

LEGEND

PROPOSED ROADWAY WIDENING

PROPOSED MILL & PAVE

DATE	REVISION	BY	DATE	REVISION	BY
6-17-14	30% COMMENTS	CVO			
10-28-14	60% COMMENTS	CVO			
3-28-16	90% COMMENTS	CVO			

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Certificate of Authorization No. 3607

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DATE 11/06/13	CKD. BY	DATE
DRAWN CVO	JHC	11/13
DESIGN AJW	JHC	12/13
SECS. 03/42S/20E & 28,33,34/41S/20E		

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Cape Haze Drive Intersection
SIGNING & PAVEMENT MARKING

SCALE 1"= 20'
SHEET SPM-7
GWE NO. 5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

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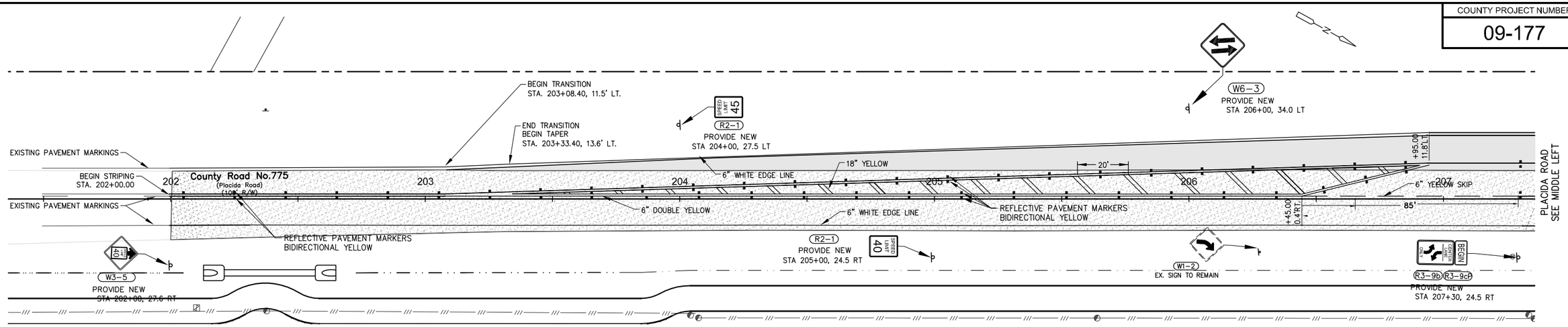
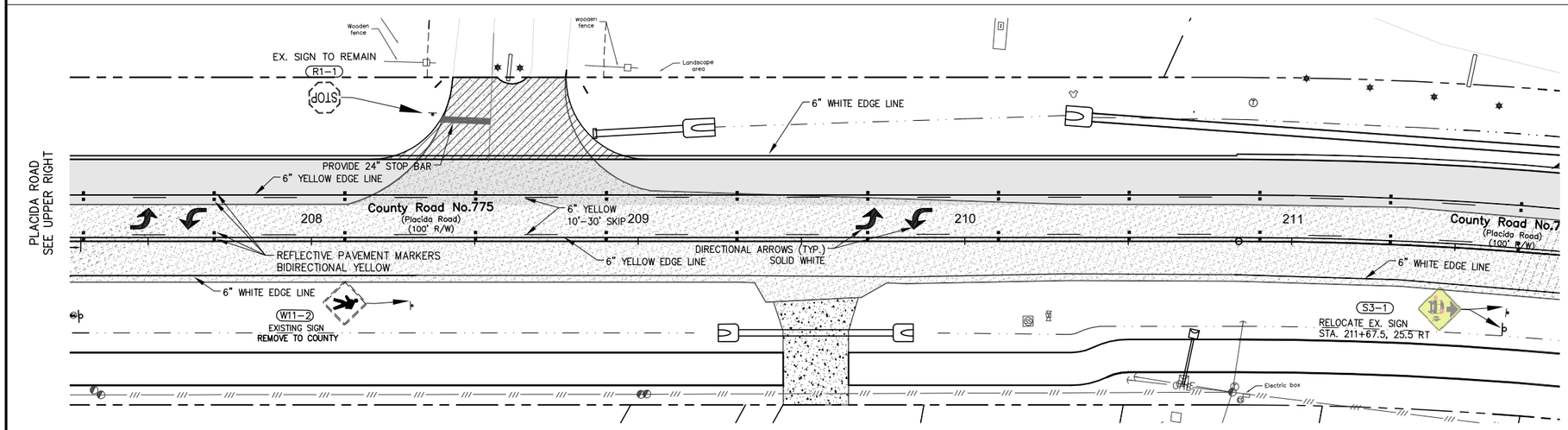
COUNTY PROJECT NUMBER
09-177

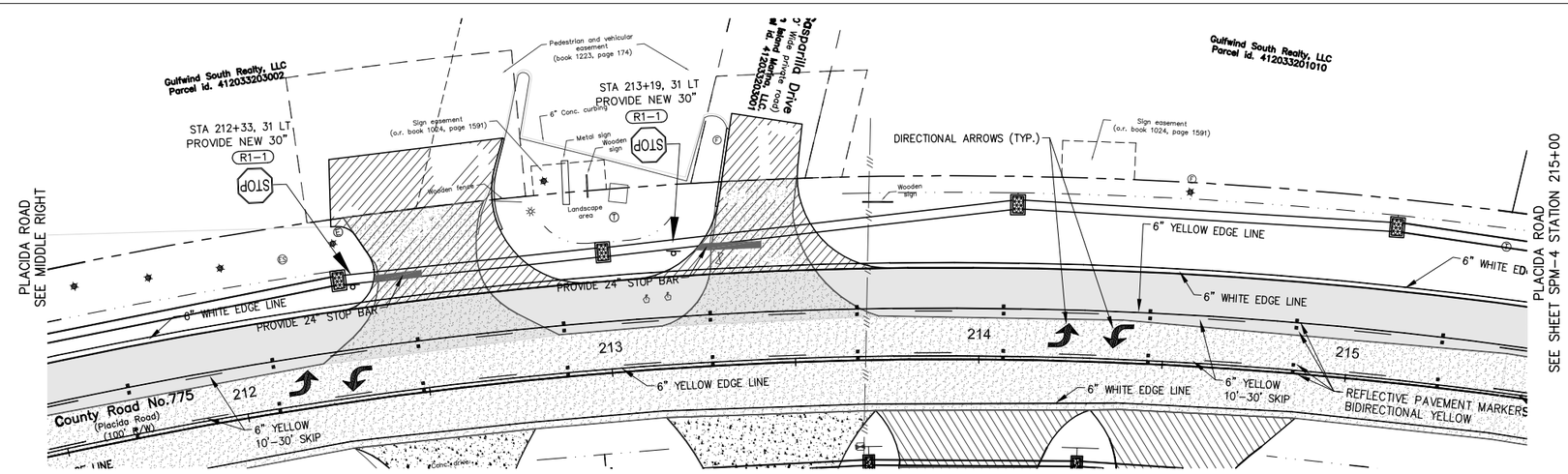




LEGEND

PROPOSED ROADWAY WIDENING

PROPOSED MILL & PAVE



DATE	REVISION	BY	DATE	REVISION	BY
6-17-14	30% COMMENTS	CVO			
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3-28-16	90% COMMENTS	CVO			

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DESIGN	AJW	JHC	12/13
SECS. 03/42S/20E & 28,33,34/41S/20E			

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Panama Blvd. Intersection
SIGNING & PAVEMENT MARKING

SCALE	1"= 20'
SHEET	SPM-8
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

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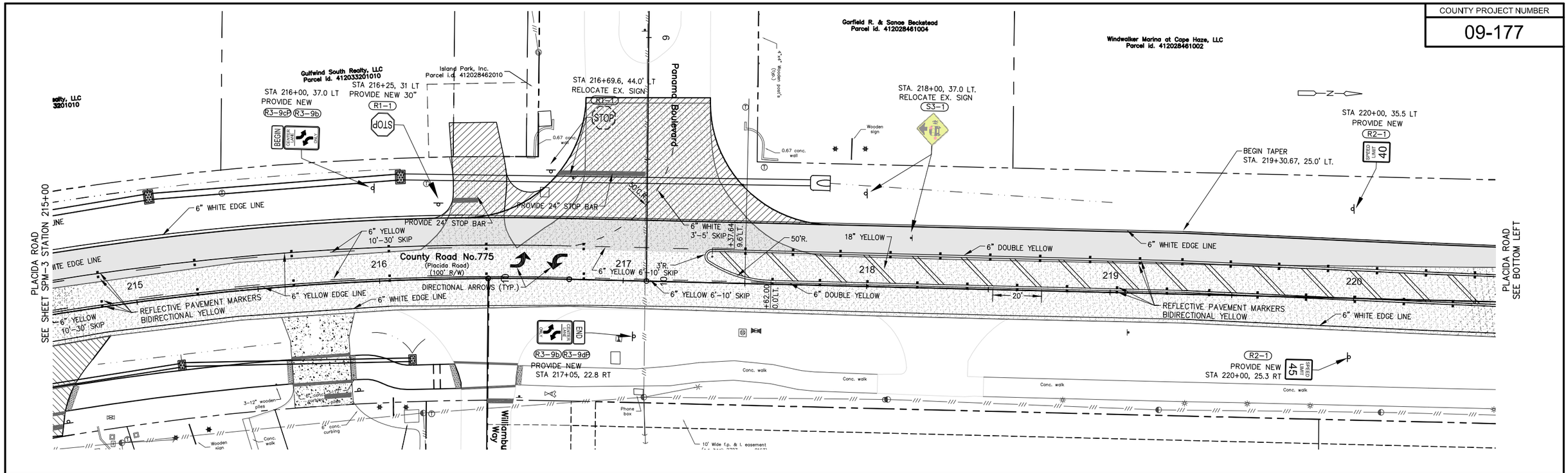
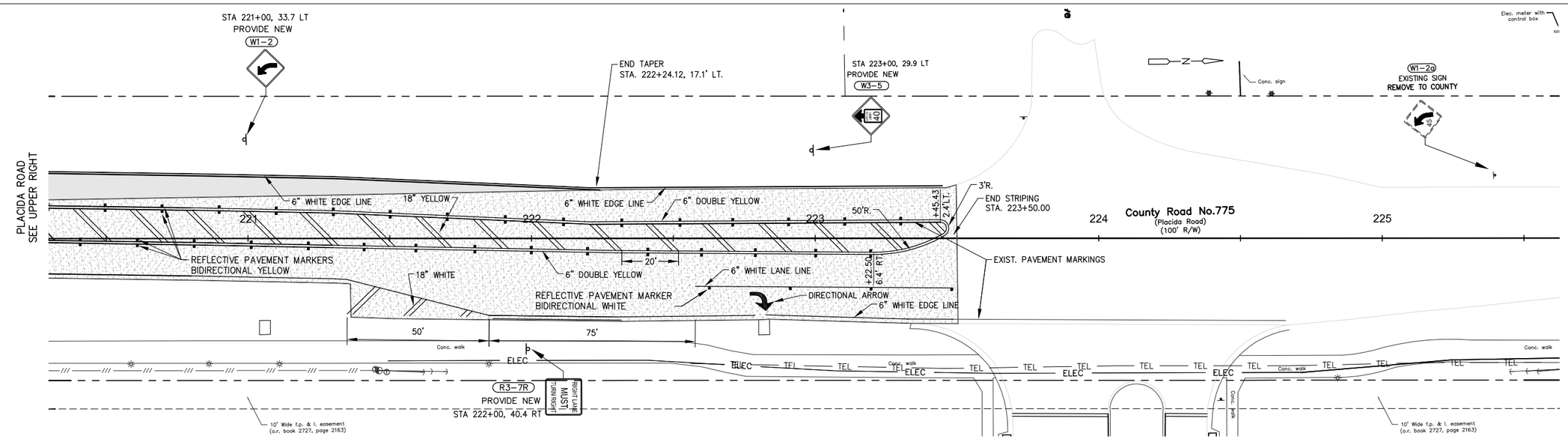
COUNTY PROJECT NUMBER

09-177





LEGEND

PROPOSED ROADWAY WIDENING

PROPOSED MILL & PAVE

DATE	REVISION	BY	DATE	REVISION	BY
6-17-14	30% COMMENTS	CVO			
10-28-14	60% COMMENTS	CVO			
3-28-16	90% COMMENTS	CVO			

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DRAWN	CVO	JHC	11/13
DESIGN	AJW	JHC	12/13
SECS. 03/42S/20E & 28,33,34/41S/20E			

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Panama Blvd. Intersection
SIGNING & PAVEMENT MARKING

SCALE	1"= 20'
SHEET	SPM-9
GWE NO.	5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

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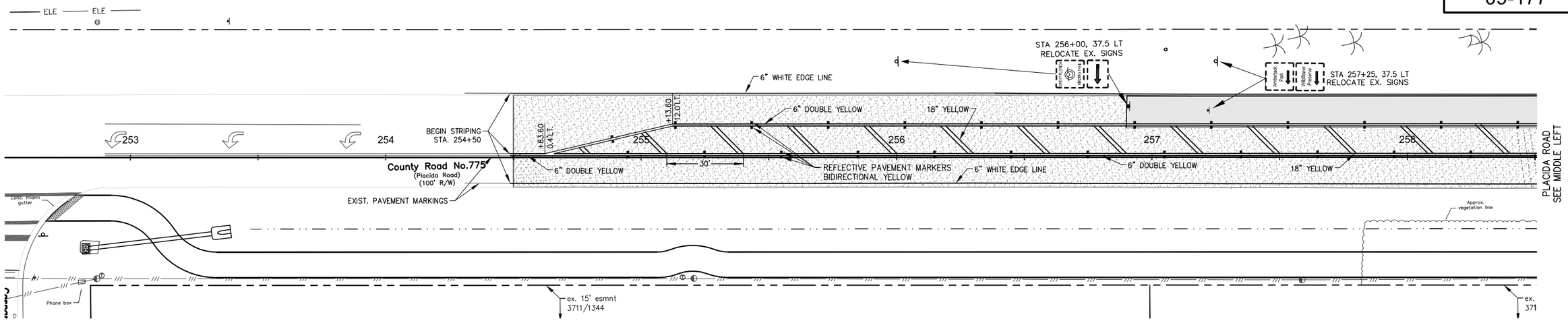
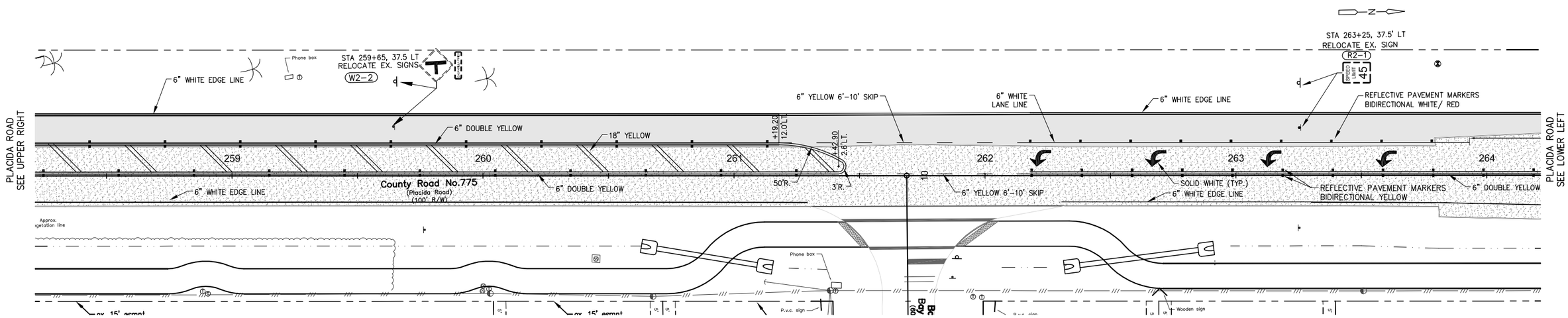
COUNTY PROJECT NUMBER
09-177

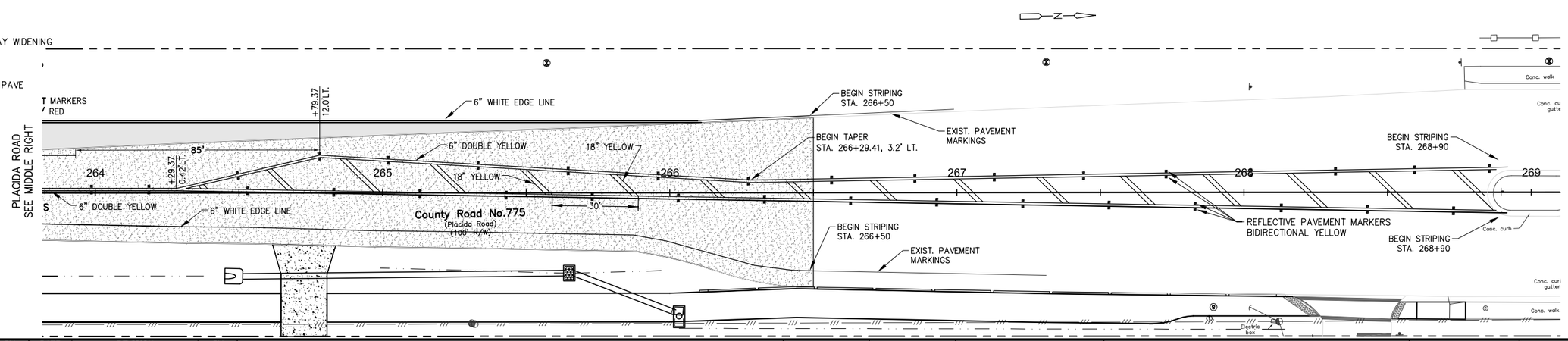




LEGEND

PROPOSED ROADWAY WIDENING

PROPOSED MILL & PAVE



DATE	REVISION	BY	DATE	REVISION	BY
6-17-14	30% COMMENTS	CVO			
10-28-14	60% COMMENTS	CVO			
3-28-16	90% COMMENTS	CVO			

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900 Pine Street, Suite 225
Englewood, Florida 34223
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DATE 11/06/13	CKD. BY	DATE
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DESIGN AJW	JHC	12/13
SECS. 03/42S/20E & 28,33,34/41S/20E		

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING

Placida Road Sidewalk Design
Bantry Bay Boulevard Intersection
SIGNING & PAVEMENT MARKING

SCALE 1"= 20'
SHEET SPM-10
GWE NO. 5955.20

ENGINEER OF RECORD
A.J. WICKERSON, P.E.
STATE OF FLORIDA NO. 58397

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