

**INTERLOCAL AGREEMENT
FUNDING OF CONSTRUCTION RELATING TO PROPOSED COUNTY IMPROVEMENTS
ALONG PRIMA VISTA BOULEVARD FROM N.E. ESTIA LANE TO N.E. NARANJA AVENUE**

THIS INTERLOCAL AGREEMENT ("Agreement") made and entered into this ____ day of _____, 2025, by and between the **CITY OF PORT ST LUCIE**, a Florida municipal corporation, (hereinafter "CITY") and **ST. LUCIE COUNTY**, a political subdivision of the State of Florida (hereinafter "COUNTY").

RECITALS

WHEREAS, the COUNTY and CITY desire to enter into this Agreement pursuant to Section 163.01 Florida Statutes, known as the "Florida Interlocal Cooperation Act of 1969," which authorizes local governmental units to make the most efficient use of their powers by enabling them to cooperate with each other on a basis of mutual advantage; and

WHEREAS, the CITY has contracted with a firm that has completed the design improvements to Floresta Drive that include improvements to the intersection of Floresta Drive and Prima Vista Boulevard; and

WHEREAS, the CITY intends to construct improvements known as Floresta Drive Phase 3, City Project #20190112, ("Project"); and

WHEREAS, the COUNTY intends to construct beautification and access management improvements along Prima Vista Boulevard from US 1 to Airoso Boulevard as a Sales Tax Referendum project; and

WHEREAS, the CITY has agreed to coordinate with COUNTY to incorporate the construction of certain improvements known as Prima Vista Boulevard Median improvements, St. Lucie County Project No. 20401, as described in Exhibit "A" attached hereto, which improvements include the intersection of Prima Vista Boulevard and Floresta Drive ("Proposed County Improvements") into the contracts for the Project; and

WHEREAS, coordination of this work between the CITY and COUNTY will minimize impacts to residents and will serve a public purpose; and

WHEREAS, COUNTY and CITY agree to cooperate in an economic, timely and efficient manner.

NOW, THEREFORE, in consideration of the foregoing premises, mutual benefits to be derived from the cooperation of the parties on the Project, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the COUNTY and CITY, hereby agree as follows:

- 1. Recitations.** The foregoing recitals are true and incorporated herein by reference.
- 2.** The parties agree and acknowledge that the CITY has incorporated the Proposed County Improvements, into its contracts for CEI & Geotechnical Services and construction of the Project. The contract for the CEI & Geotechnical Services of the project is known as, contract #20240172,

Floresta Drive Phase 3 CEI and Geotechnical Services (the "CEI Contract"). The contractor pursuant to the CEI Contract is Culpepper & Terpening. The contract for the construction project is known as, contract #20240082, Floresta Drive Improvement Project Phase 3 (the "Construction Contract"). The contractor pursuant to the Construction Contract is Felix Civil Construction LLC ("Construction Contractor"). The CEI Contract and the Construction Contract are available for inspection upon request by the COUNTY.

3. The COUNTY agrees to reimburse the CITY for all costs of the construction of the Proposed County Improvements included in the CEI Contract and Construction Contract, including but not limited to construction engineering & inspection and geotechnical engineering services and all associated costs (the "Reimbursement"). The Construction Contract requires the Construction Contractor to furnish the City with an acceptable recorded Performance and Payment Bond complying with the statutory requirements set forth in section 255.05, Florida Statutes, in the amount of one hundred percent (100%) of the Construction Contract price per Section X of the Construction Contract. If the Construction Contractor fails to meet its obligations with respect to the Proposed County Improvements, and upon written request by the County, the City will use commercially reasonable efforts to call the Performance and Payment Bond with respect to the Proposed County Improvements and facilitate transfer of said funds to the County through an interlocal agreement to support construction of the Proposed County Improvements.
4. That the COUNTY shall pay portions of the Reimbursement amount to the CITY within thirty (30) days of receipt by the COUNTY any invoice from the CITY for work associated with the Proposed County Improvements.
5. **Notices.** All written notices required under this Agreement, shall be in writing and shall be (as elected by the party giving such notice) hand delivered by messenger or courier service, by regular United States Mail with postage prepaid, or by certified mail, return receipt requested (Airmail if international), and shall be directed to the following persons and places designated by the parties:

FOR THE CITY:	FOR THE COUNTY:
PUBLIC WORKS DEPARTMENT CITY OF PORT ST. LUCIE 121 S.W. Port St. Lucie Boulevard Port St. Lucie, FL 34984 With a copy to: OFFICE OF THE CITY ATTORNEY CITY OF PORT ST. LUCIE 121 S.W. Port St. Lucie Boulevard Port St. Lucie, FL 34984	ST. LUCIE COUNTY ADMINISTRATOR County Administration Annex 2300 Virginia Avenue Ft. Pierce, FL 34982 With a copy to: ST. LUCIE COUNTY ATTORNEY County Administration Annex 2300 Virginia Avenue Ft. Pierce, FL 34982

Each such notice shall be deemed delivered (i) on the date delivered if by personal delivery or (ii) on the date mailed, postage prepaid.

6. **Invalid Provisions.** In the event any term or provision of this Agreement is held illegal, unenforceable or inoperative as a matter of law, the remaining terms and provisions will not be affected thereby, but will be valid and remain in full force and effect so far as possible. If any provision of this Agreement may be construed in two or more ways, one of which would render the provision invalid or otherwise voidable or unenforceable and another of which would render the provision valid and enforceable, such provision shall have the meaning which renders it valid and enforceable. Notwithstanding the foregoing, in the event a material provision of this Agreement is held illegal, unenforceable or inoperative as a matter of law this Agreement will be deemed ineffective and terminated.
7. **Counterparts.** This Agreement may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.
8. **Entire Agreement.** This Agreement contains the entire agreement between the parties hereto as it pertains to the subject matter contained herein and shall supersede and take precedence over any and all prior and contemporaneous verbal or written agreements and understandings between the parties hereto.
9. **Amendments; Modification.** This Agreement may not be amended, modified, altered, or changed in any respect whatsoever, except by a further agreement in writing duly executed by each and all of the parties hereto.
10. **Binding.** Except as otherwise provided, this Agreement shall be binding upon and shall inure to the benefit of the parties. This Agreement is not intended to benefit third parties who are not part of the Agreement.
11. **Resolution of Disputes.** In the event of a dispute between the parties in connection with this Agreement, the parties agree to try to resolve the issue in good faith pursuant to the conflict resolution procedures provided by the Florida Conflict Resolution Act, Chapter 164, Florida Statutes. The results of the conflict resolution or any testimony or argument introduced in a conflict resolution shall not be admissible as evidence in any subsequent proceeding concerning the disputed issues.
12. **Venue.** The laws of the State of Florida govern all interpretations. In the event it is necessary for either party to initiate legal action regarding this Agreement, venue shall be in the 19th Judicial Circuit for St. Lucie County, Florida, for claims under state law and the Southern District of Florida for any claims that are justiciable under federal law.
13. **Rights Cumulative.** All rights, powers, remedies, benefits, and privileges available to any party under this Agreement are in addition to and cumulative of any and all rights, powers, remedies, benefits, and privileges available to such party at law and equity.
14. **Effective Date; Recording.** The Effective Date of this Agreement shall be the date on which the last of the parties cause this Agreement to be executed. This Agreement shall be recorded by the COUNTY in the Official Public Records of the Clerk of the Court of St. Lucie County, Florida. A copy of the recorded Agreement shall be forwarded to the CITY.

IN WITNESS WHEREOF, the CITY and the COUNTY have caused this Agreement to be executed on behalf of their respective entities, their successors and assigns, on the day first above written.

ATTEST:

Vera Smith
DEPUTY CLERK



BOARD OF COUNTY COMMISSIONERS
ST. LUCIE COUNTY, FLORIDA

BY: *Amie Lee Fowler*

CHAIR

7/1/25

APPROVED AS TO FORM AND
CORRECTNESS:

BY: *[Signature]*

COUNTY ATTORNEY

ATTEST:

CITY CLERK

CITY OF PORT ST. LUCIE, FLORIDA

BY: _____

SHANNON MARTIN, MAYOR

DATE: _____

APPROVED AS TO FORM AND
CORRECTNESS:

BY: _____

CITY ATTORNEY

CONTRACT PLAN COMPONENTS

- ROADWAY PLANS
- SIGNING AND PAVEMENT MARKING PLANS
- SIGNALIZATION PLANS
- LIGHTING PLANS

INDEX OF PLANS

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50A THRU 50Q	

*CTL-J	PROJECT CONTROL
*UTV-J	VERIFIED UTILITY LOCATE

* This sheet is included in the Index of Roadway Plans only to indicate that it is part of the Roadway Plans. This sheet is contained in a separate digitally signed and sealed document.

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
STANDARD PLANS DATED FY 2024-25,
AND STANDARD SPECIFICATIONS FOR ROAD AND
BRIDGE CONSTRUCTION DATED FY 2024-25,
AS AMENDED BY CONTRACT DOCUMENTS.

For Design Standards Modifications click on "Design Standards" at the following web site: <http://www.fdot.gov/design/standards>

For the Standard Specifications for Road and Bridge Construction click on the "Specifications" link at the following web site: <http://www.fdot.gov/procurementmanagement/Implement/SpecBooks>

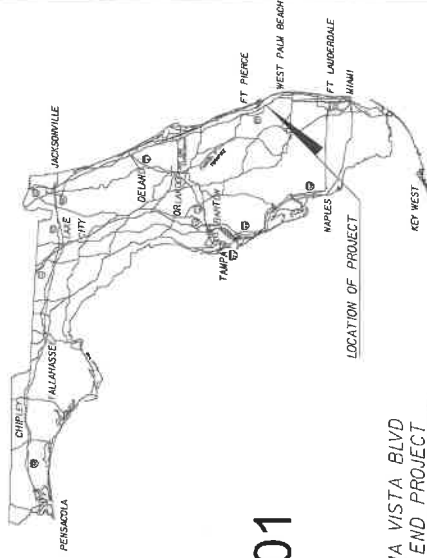
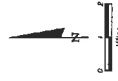


2041 Vista Parkway, Suite 101, West Palm Beach, Florida 33411
 Phone: (561) 253-9550

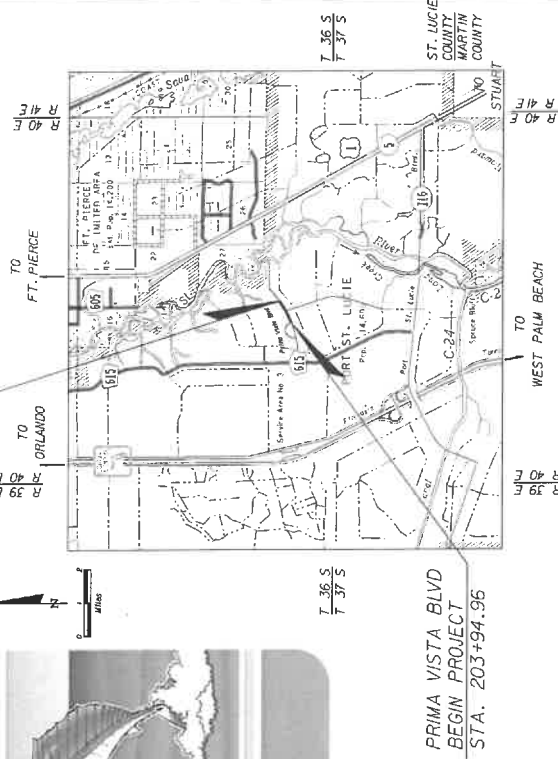
NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

FISCAL YEAR	SHEET NO.
24	1

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PRIMA VISTA BLVD
END PROJECT
STA. 218+79.28



BOARD OF COUNTY COMMISSIONERS

CHRIS DZADOVSKY
LARRY LEET
LINDA BARTZ
JAMIE FOWLER
CATHY TOWNSEND

COUNTY ADMINISTRATION

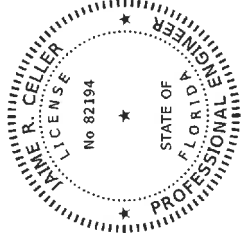
GEORGE LANDRY
COUNTY ADMINISTRATOR

PUBLIC WORKS DEPARTMENT

PATRICK DAYAN, P.E.
DAN ZRALLACK, P.E.

ST. LUCIE COUNTY

EDMUND BAS. P.E. PROJECT MANAGER



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL
PRINTED COPIES OF THIS DOCUMENT ARE
NOT CONSIDERED SIGNED AND SEALED
AND THE SIGNATURE MUST BE VERIFIED
ON ANY ELECTRONIC COPIES.

CONSOR ENGINEERS, LLC
2044 Vista Parkway, Suite 611
West Palm Beach, FL 33411
Phone: (561) 253-9550
Jaime R. Celler, P.E. No. 82194

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 6G15-23.004, F.A.C.

SHEET NO.

SHEET DESCRIPTION

- 1 KEY SHEET
- 2 SIGNATURE SHEET
- 3A SUMMARY OF PAY ITEMS
- 4 THRU 5 TYPICAL SECTION
- 6 THRU 10 TYPICAL SECTION DETAILS
- 12 THRU 15 PLAN & PROFILE
- 21 INTERSECTION DETAIL
- 22 THRU 31 CROSS SECTIONS
- 32 THRU 34 SIDESTREET CROSS SECTIONS
- 35 THRU 38 TEMPORARY TRAFFIC CONTROL PLAN
- 50-1 THRU 50-7 SUMMARY OF QUANTITIES



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL
PRINTED COPIES OF THIS DOCUMENT ARE
NOT CONSIDERED SIGNED AND SEALED
AND THE SIGNATURE MUST BE VERIFIED
ON ANY ELECTRONIC COPIES.

CAPTEC ENGINEERING, Inc.
301 NW Flagler Ave.
Tallahassee, FL 32301
Phone: (772) 892-4344
Joseph W. Capra, P.E. No. 37638

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 6G15-23.004, F.A.C.

SHEET NO.

SHEET DESCRIPTION

- 2 SIGNATURE SHEET
- 3B THRU 3C SUMMARY OF PAY ITEMS
- 11 GENERAL NOTES
- 16 DRAINAGE STRUCTURE TABLE
- 17 THRU 20 DRAINAGE IMPROVEMENT PLAN
- 39 THRU 42 UTILITY ADJUSTMENT



2044 Vista Parkway, Suite 611
West Palm Beach, FL 33411
Phone: (561) 253-9550
Jaime R. Celler, P.E. No. 82194

ST. LUCIE COUNTY
BOARD OF COUNTY COMMISSIONERS
PRIMA VISTA BOULEVARD
MEDIAN IMPROVEMENTS

SIGNATURE SHEET

SHEET NO.

2

SUMMARY OF PAY ITEMS- ROADWAY				
PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY PLAN	QUANTITY TOTAL FINAL
0101 1	MOBILIZATION	LS	1	1
0101 18	CONSTRUCTION VIDEO	LS	1	1
0101 99	SURVEY STAKING & RECORD DRAWINGS	LS	1	1
0102 1	MAINTENANCE OF TRAFFIC	LS	1	1
0107 1	LITTER REMOVAL	LS	1	1
0107 2	MOWING	LS	1	1
0108 1	INSPECTION & SETTLEMENT MONITORING	LS	1	1
0108 2	VIBRATION MONITORING	LS	1	1
0110 1 1	CLEARING & GRUBBING	LS/AC	1/0.41	1/0.41
0120 4 10	REMOVAL OF EXISTING CONCRETE	SY	998	998
0120 1	REGULAR EXCAVATION	CY	148.2	148.2
0120 6	EMBANKMENT	CY	195.1	195.1
0160 4	TYPE B STABILIZATION	SY	131	131
0285 709	OPTIONAL BASE, BASE GROUP 09	SY	87	87
0327 70 6	MILLING EXIST. ASPH. PANT. 1.5" AVG. DEPTH	SY	11750	11750
0334 1 73	SUPERPAVE ASPHALTIC CONC. TRAFFIC C.	TN	1362.0	1362.0
0334 1 53	SUPERPAVE ASPHALTIC CONC. TRAFFIC C.	TN	974.0	974.0
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	2606	2606
0520 2 4	CONCRETE CURB, TYPE D	LF	914	914
0522 1	CONCRETE SIDEWALK 4" THICK	SY	482	482
0522 2	CONCRETE SIDEWALK 6" THICK (SIDEWALK/DRIVEWAY)	SY	438	438
0527 2	DETECTABLE WARNINGS	SF	75	75
0570 1 2	PERFORMANCE TURF, SOD	SY	1418	1418
2000 1	UTILITY COORDINATION	LS	1	1

SUMMARY OF PAY ITEMS- SIGNING & PAVEMENT MARKINGS				
PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY PLAN	QUANTITY TOTAL FINAL
0700 1 112	SINGLE COLUMN GROUND SIGN ASSEMBLY, F&I GROUND MOUNT, 12.0-20.0 SF	EA	2	2
0705 10 1	OBJECT MARKER, TYPE 1	EA	2	2
0705 11 1	DELINEATOR, FLEXIBLE TUBULAR	EA	2	2
0706 1 3	RAISED PAVEMENT MARKERS, TYPE B	EA	212	212
0710 11 290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	27	27
0710 90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS	1	1
0711 11 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	LF	798	798
0711 11 124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR STOP LINE AND CROSSWALK	LF	36	36
0711 11 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	153	153
0711 11 141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.085	0.085
0711 11 170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	13	13
0711 11 241	THERMOPLASTIC, PREFORMED, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"	GM	0.062	0.062
0711 14 125	THERMOPLASTIC, SOLID, 24" FOR CROSSWALK	LF	517	517
0711 16 101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.728	0.728
0711 16 131	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6" 10-30 SKIP OR 3-9 LANE DROP	GM	0.480	0.480
0711 16 201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.587	0.587
0711 16 231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"	GM	0.092	0.092

SUMMARY OF PAY ITEMS- LIGHTING				
PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY PLAN	QUANTITY TOTAL FINAL
0630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	497	497
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	1064	1064
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	24	24
0639 1 122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	1	1
0639 2 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	33	33
0643 2 11	PRESTRESSED CONCRETE POLE, F&I, TYPE P-11 PEDESTAL	EA	2	2
0715 1 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8 - 6	LF	6991	6991
0715 61 111	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 30' MOUNTING HEIGHT, 8' ARM LENGTH	EA	7	7
0715 62 111	LIGHT POLE COMPLETE, F&I, STANDARD POLE SPECIAL FOUNDATION, 30' MOUNTING HEIGHT, 8' ARM LENGTH	EA	2	2
0715 7 11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA	1	1
0715 500 1	POLE CABLE DISTRIBUTION SYSTEM, FURNISH AND INSTALL, CONVENTIONAL	EA	10	10
0715 511 125SP	LIGHT POLE COMPLETE- SPECIAL DESIGN, SPECIAL FOUNDATION F&I, SINGLE ARM SHOULDER MOUNT, ALUMINUM, 25'	EA	1	1

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION	 consor 1000 West Main Street Suite 300 West Palm Beach, Florida 33411 Phone: (561) 252-8550 Fax: (561) 252-8550 Jaime R. Casler, P.E. No. 92194	ST. LUCIE COUNTY BOARD OF COUNTY COMMISSIONERS PRIMA VISTA BOULEVARD MEDIAN IMPROVEMENTS	SUMMARY OF PAY ITEMS	SHEET NO.
						3A		

SUMMARY OF PAY ITEMS- SIGNALIZATION

PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY TOTAL	
			PLAN	FINAL
0630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	200	
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	1120	
0632 7 1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	1	
0632 7 6	SIGNAL CABLE- REMOVE- INTERSECTION	PI	1	
0633 1 121	FIBER OPTIC CABLE, F&I, UNDERGROUND, 2-12 FIBERS	LF	30	
0633 1 122	FIBER OPTIC CABLE, F&I, UNDERGROUND, 13-48 FIBERS	LF	400	
0633 1 123	FIBER OPTIC CABLE, F&I, UNDERGROUND, 49-96 FIBERS	LF	30	
0633 2 31	FIBER OPTIC CONNECTION, INSTALL SPLICE	EA	24	
0633 3 12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	1	
0633 3 13	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED CONNECTOR ASSEMBLY	EA	24	
0633 3 16	FIBER OPTIC CONNECTION HARDWARE, F&I, PATCH PANEL- FIELD TERMINATED	EA	1	
0633 3 17	FIBER OPTIC CONNECTION HARDWARE, F&I, CONNECTOR PANEL	EA	1	
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	18	
0635 2 12	PULL & SPLICE BOX, F&I, 24" x 36" COVER SIZE	EA	2	
0639 1 122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND	AS	1	
0639 2 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	10	
0639 3 11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA	1	
0641 2 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-11 SERVICE POLE	EA	1	
0641 2 80	PRESTRESSED CONCRETE POLE, REMOVE	EA	1	
0646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	3	
0649 21 10	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 60"	EA	3	
0649 21 15	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 70"	EA	3	
0650 1 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	EA	1	
0650 1 19	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	4	
0653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	8	
0660 4 11	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT	EA	1	
0660 4 12	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA	4	
0665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	8	
0670 5 111	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA, 1 PREEMPTION	AS	1	
0682 1 113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, 1P, HIGH DEFINITION	EA	4	
0684 1 1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	1	
0685 1 14	UNINTERRUPTIBLE POWER SUPPLY, F&I ONLINE/DOUBLE CONVERSION WITH CABINET	EA	1	
0700 3 101	SIGN PANEL, FURNISH & INSTALL GROUND MOUNT, UP TO 12 SF	EA	8	
0700 5 22	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	EA	4	
0715 5 31	FURNISH & INSTALL NEW LUMINARY, BRACKET AND ARM ON NEW/EXISTING POLE	EA	1	

SUMMARY OF PAY ITEMS- DRAINAGE

PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY TOTAL	
			PLAN	FINAL
0104 10 3	SEDIMENT BARRIER	LF	1700	
0104 18	INLET PROTECTION SYSTEM	EA	13	
0425 1 331	INLETS, CURB, TYPE P-3, <10'	EA	1	
0425 1 361	INLETS, CURB, TYPE P-6 ≤ 10'	EA	1	
0425 1 452	INLETS, CURB, TYPE J-5 > 10'	EA	1	
0425 4	INLETS, ADJUST	EA	1	
0425 5	MANHOLES, ADJUST	EA	4	
0430 175 115	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15" S/CD	LF	394	
0430 175 118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18" S/CD	LF	163	
0430 175 124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24" S/CD	LF	356	
0430 175 130	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 30" S/CD	LF	283	
0430 175 148	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 48" S/CD	LF	701	
0430 175 160	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 60" S/CD	LF	209	

REVISIONS

DATE

DESCRIPTION



331 NW Flagler Ave
Stuart, Florida 34994
Phone: (772) 852-4844
Jesse W. Gery, P.E.
P.E. NO. 37638
Engineering Business
No. EB-0007557

PRIMA VISTA BLVD.

ROAD NO.

COUNTY

PRIMA VISTA BLVD.

ST. LUCIE COUNTY

SUMMARY OF
PAY ITEMSSHEET
NO.

3B

Chris Seng, Gary E.

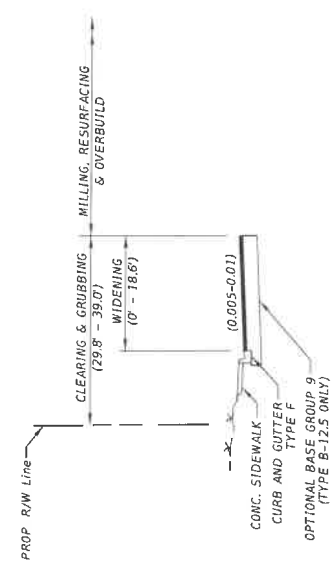
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SUMMARY OF PAY ITEMS- UTILITY RELOCATION

PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY TOTAL	
			PLAN	FINAL
W-1 / S-1	VALVE BOX ADJUSTMENT	LF	5	
S-2	SEWTERY MANHOLE RING AND COVER ADJUSTMENTS	EA	2	

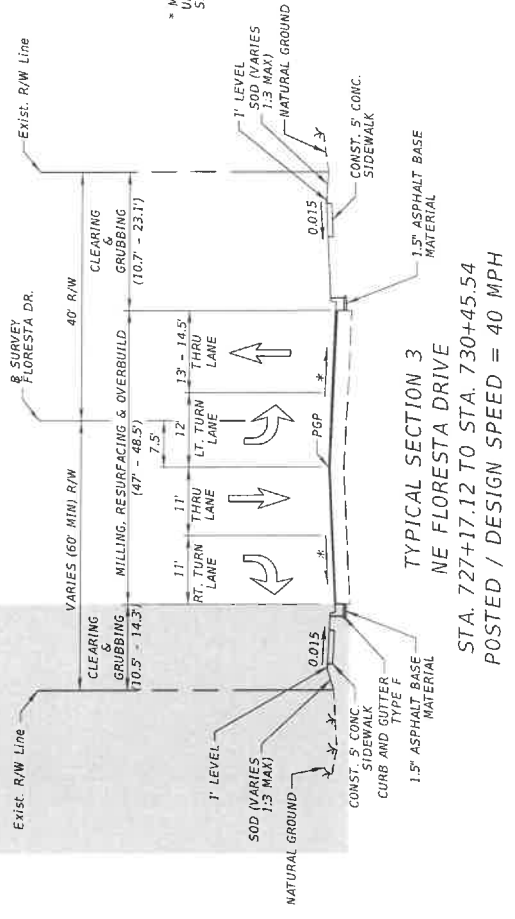
301 NW Flagler Ave Stuart, Florida 34994 Phone: (772) 692-4344 JOSPH W. GERRARD, P.E. P.E. NO. 37628 Engineering Business No. EB-0007657  Capitol Engineering Professionals		PRIMA VISTA BLVD. ROAD NO. COUNTY		SUMMARY OF PAY ITEMS	SHEET NO.
PRIMA VISTA BLVD.		ST. LUCIE COUNTY	3C		

** SEE WIDENING DETAIL



WIDENING DETAIL
N.T.S.

STA. 727+17.12 TO STA. 727+44.00 LT



TYPICAL SECTION 3
NE FLORESTA DRIVE

STA. 727+17.12 TO STA. 730+45.54
POSTED / DESIGN SPEED = 40 MPH

MILLING

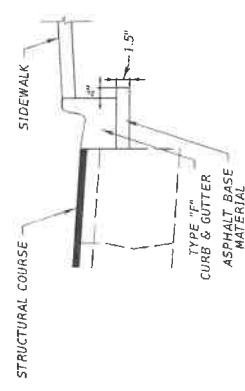
MILL EXISTING ASPHALT PAVEMENT (1 1/2" AVERAGE DEPTH)

RESURFACING & OVERBUILD

TYPE SP OVERBUILD (TRAFFIC C) THICKNESS VARIES
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2") (PG76-22)

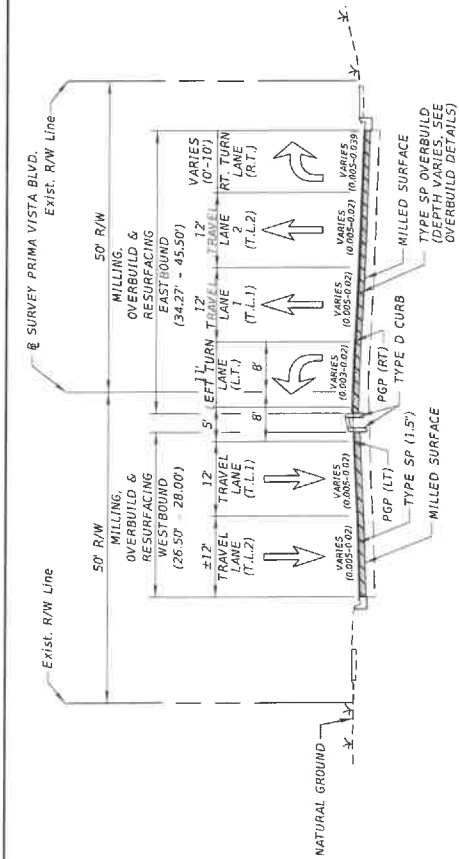
WIDENING

OPTIONAL BASE GROUP 9 (TYPE B-12.5 ONLY) (6") WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2")
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2") (PG76-22)

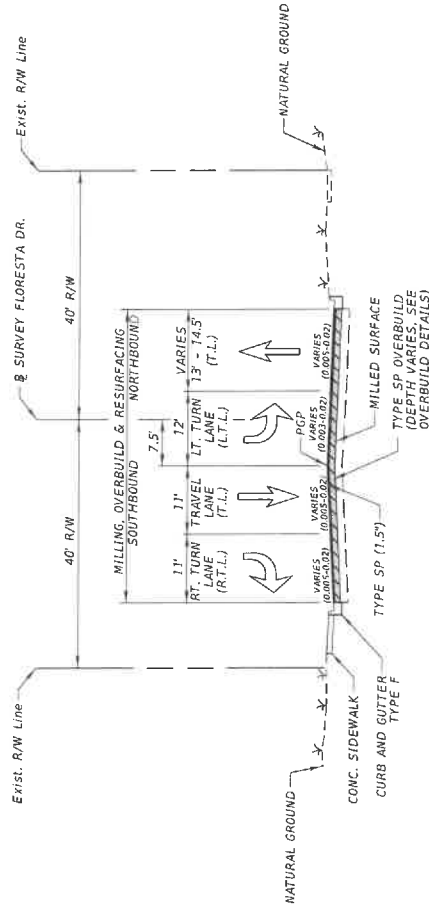


ASPHALT BASE CURB PAD DETAIL
N.T.S.

REVISIONS		DESCRIPTION		DATE	
DATE		DESCRIPTION		DATE	
quines					
consor			ST. LUCIE COUNTY		
401 N. State Parkway, Suite 301 West Palm Beach, FL 33411 Phone: (561) 253-0550			BOARD OF COUNTY COMMISSIONERS		
James R. Celler, P.E. No. 82104			PRIMA VISTA BOULEVARD		
1/15/2024 7:00:55 PM 10 g			MEDIAN IMPROVEMENTS		
			TYPICAL SECTION		
			SHEET NO.		
			5		

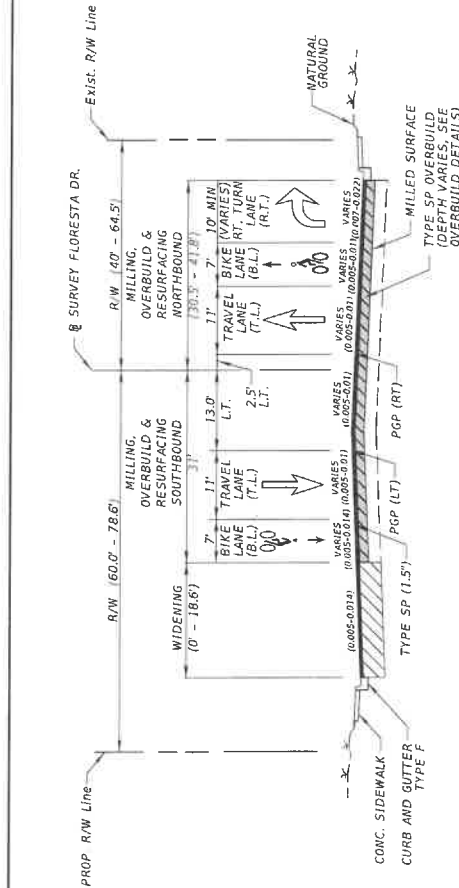


PRIMA VISTA OVERBUILD AND RESURFACING DETAIL (N.T.S.)



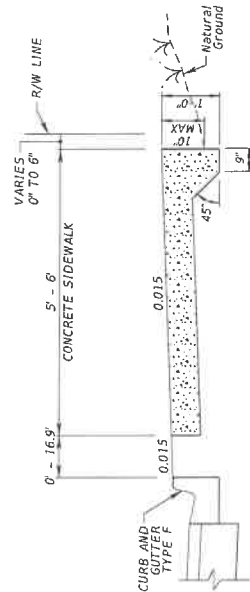
FLORESTA OVERBUILD AND RESURFACING DETAIL (N.T.S.)

STA. 728+26.53 TO STA. 730+28.00



FLORESTA OVERBUILD AND RESURFACING DETAIL (N.T.S.)

STA. 727+17.12 TO STA. 727+44.40



NOTE: CLASS 1 CONCRETE GRADE
0.11 CY CONC./LF OF SIDEWALK

SPECIAL SIDEWALK DETAIL

PRIMA VISTA BLVD
STA. 209+40.00 TO STA. 210+60.00 RT
STA. 211+90.00 TO STA. 212+88.95 LT
FLORESTA DRIVE
728+50.00 TO 729+44.08 LT
729+64.08 TO 730+00.00 LT
729+51.90 TO 729+75.00 RT

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

consor
2041 Vista Parkway, Suite 101
Westborough, MA 01581
Phone: (888) 255-8550
Jaime R. Keller, P.E. No. 82184

ST. LUCIE COUNTY
BOARD OF COUNTY COMMISSIONERS
PRIMA VISTA BOULEVARD
MEDIAN IMPROVEMENTS

TYPICAL SECTION
DETAIL

SHEET
NO.
6

OVERBUILD DETAILS									
LOCATION		EXIST. SLOPE (%)	PROPOSED SLOPE (%)	MAX. DEPTH OF OVERBUILD (IN.)	WIDTH OF OVERBUILD (FT.)	AREA OF OVERBUILD (SQ. FT.)			
STATION	LANE								
208+30.00	EASTBOUND L.T.	(-) 2.1	EXIST.	0.0	0.0	0.0			
208+50.00	EASTBOUND L.T.	(-) 2.2	(-) 2.0	1.2	4.2	0.4			
209+00.00	EASTBOUND L.T.	(-) 2.7	(-) 2.0	4.6	11.5	2.7			
209+50.00	EASTBOUND L.T.	(-) 1.9	(-) 2.0	4.5	11.5	3.1			
210+00.00	EASTBOUND L.T.	(-) 2.0	(-) 1.6	3.1	11.5	1.9			
210+50.00	EASTBOUND L.T.	(-) 1.8	(-) 1.1	1.8	11.1	1.1			
211+00.00	EASTBOUND L.T.	(-) 2.0	(-) 0.5	6.5	10.3	4.7			
211+50.00	EASTBOUND L.T.	(-) 2.5	(-) 0.3	9.5	7.5	5.4			
212+00.00	EASTBOUND L.T.	(-) 2.9	(-) 1.1	6.9	1.5	0.8			
212+50.00	EASTBOUND L.T.	(-) 2.2	(-) 1.6	4.1	1.5	0.7			
212+95.00	EASTBOUND L.T.	(-) 2.5	EXIST.	0.0	1.5	0.0			
208+30.00	EASTBOUND T.L.1	(-) 2.2	EXIST.	0.0	12.0	0.0			
208+50.00	EASTBOUND T.L.1	(-) 2.3	(-) 2.0	1.7	12.0	1.4			
209+00.00	EASTBOUND T.L.1	(-) 2.4	(-) 2.0	3.5	12.0	3.3			
209+50.00	EASTBOUND T.L.1	(-) 2.2	(-) 2.0	3.2	12.0	3.1			
210+00.00	EASTBOUND T.L.1	(-) 2.5	(-) 1.6	3.3	12.0	2.7			
210+50.00	EASTBOUND T.L.1	(-) 2.4	(-) 1.1	3.2	12.0	2.3			
211+00.00	EASTBOUND T.L.1	(-) 1.9	(-) 0.5	8.5	12.0	7.6			
211+50.00	EASTBOUND T.L.1	(-) 1.8	(-) 0.5	11.3	12.0	10.6			
212+00.00	EASTBOUND T.L.1	(-) 2.4	(-) 1.1	8.8	12.0	7.8			
212+50.00	EASTBOUND T.L.1	(-) 2.4	(-) 1.6	5.3	12.0	4.8			
212+95.00	EASTBOUND T.L.1	(-) 2.7	EXIST.	0.0	12.0	0.0			
208+30.00	EASTBOUND T.L.1	(-) 2.1	EXIST.	0.0	12.0	0.0			
208+50.00	EASTBOUND T.L.2	(-) 2.2	(-) 2.0	2.0	12.0	1.9			
209+00.00	EASTBOUND T.L.2	(-) 2.0	(-) 2.0	3.5	12.0	3.5			
209+50.00	EASTBOUND T.L.2	(-) 1.6	(-) 2.0	3.2	12.0	2.9			
210+00.00	EASTBOUND T.L.2	(-) 1.6	(-) 1.6	3.3	12.0	3.4			
210+50.00	EASTBOUND T.L.2	(-) 1.9	(-) 1.1	4.4	12.0	3.8			
211+00.00	EASTBOUND T.L.2	(-) 1.9	(-) 0.5	10.4	12.0	7.6			
211+50.00	EASTBOUND T.L.2	(-) 1.4	(-) 0.5	11.1	12.0	11.1			
212+00.00	EASTBOUND T.L.2	(-) 1.5	(-) 1.1	9.4	13.0	9.9			
212+50.00	EASTBOUND T.L.2	(-) 1.1	(-) 1.6	5.3	13.0	5.4			
212+95.00	EASTBOUND T.L.2	(-) 1.8	(-) 2.0	0.0	0.0	0.0			
208+30.00	EASTBOUND R.T.	(-) 2.0	EXIST.	0.0	2.3	0.0			
208+50.00	EASTBOUND R.T.	(-) 2.1	(-) 2.0	2.0	3.1	0.5			
209+00.00	EASTBOUND R.T.	(-) 1.6	(-) 2.0	3.5	6.1	1.8			
209+50.00	EASTBOUND R.T.	(-) 1.7	(-) 2.0	2.3	10.0	2.0			
210+00.00	EASTBOUND R.T.	(-) 1.8	(-) 2.8	3.3	10.0	2.3			
210+50.00	EASTBOUND R.T.	(-) 2.3	(-) 3.7	4.4	10.1	3.0			
211+00.00	EASTBOUND R.T.	(-) 1.4	(-) 0.5	11.6	8.4	7.8			
211+50.00	EASTBOUND R.T.	(-) 0.3	(-) 0.5	10.9	8.2	7.6			
211+75.00	EASTBOUND R.T.	(-) 0.9	(-) 0.5	0.0	0.0	0.0			

PRIMA VISTA
EASTBOUND

ST. LUCIE COUNTY
BOARD OF COUNTY COMMISSIONERS
PRIMA VISTA BOULEVARD
MEDIAN IMPROVEMENTS

TYPICAL SECTION
DETAILS

DATE

DESCRIPTION

REVISIONS
DATE

DESCRIPTION

consor

2041 Vista Parkway, Suite 101
West Palm Beach, Florida 33411
Phone: (561) 255-4550
James H. Keller, P.E. No. 85194

SHEET
NO.

7

OVERBUILD DETAILS								
LOCATION		EXIST. SLOPE (%)	PROPOSED SLOPE (%)	MAX. DEPTH OF OVERBUILD (IN.)	WIDTH OF OVERBUILD (FT.)	AREA OF OVERBUILD (SQ. FT.)		
STATION	LANE							
208+82.00	WESTBOUND L.T.	(-) 2.3	EXIST.	0.0	0.0	0.0		
209+00.00	WESTBOUND L.T.	(-) 3.6	(-) 2.0	3.7	1.5	0.5		
209+50.00	WESTBOUND L.T.	(-) 1.9	(-) 2.0	2.7	1.5	0.3		
210+00.00	WESTBOUND L.T.	(-) 2.0	(-) 1.6	1.5	1.5	0.2		
210+50.00	WESTBOUND L.T.	(-) 2.1	(-) 1.1	2.4	1.5	0.2		
211+00.00	WESTBOUND L.T.	(-) 2.1	(-) 0.5	6.3	5.7	2.7		
211+50.00	WESTBOUND L.T.	(-) 2.0	(-) 0.5	8.9	8.5	5.8		
212+00.00	WESTBOUND L.T.	(-) 2.3	(-) 1.1	6.9	11.5	5.9		
212+50.00	WESTBOUND L.T.	(-) 1.5	(-) 1.6	5.1	11.5	3.9		
213+00.00	WESTBOUND L.T.	(-) 1.2	(-) 2.0	1.2	2.8	0.1		
213+50.00	WESTBOUND L.T.	(-) 2.7	(-) 2.0	1.8	3.0	0.2		
214+00.00	WESTBOUND L.T.	(-) 4.3	(-) 2.0	2.0	3.2	0.3		
214+50.00	WESTBOUND L.T.	(-) 3.0	(-) 2.0	2.4	3.9	0.4		
214+72.00	WESTBOUND L.T.	(-) 2.6	EXIST.	0.0	0.0	0.0		
208+82.00	WESTBOUND T.L.1	(-) 2.0	EXIST.	0.0	12.0	0.0		
209+00.00	WESTBOUND T.L.1	(-) 2.5	(-) 2.0	4.5	12.0	4.0		
209+50.00	WESTBOUND T.L.1	(-) 2.3	(-) 2.0	3.0	12.0	2.8		
210+00.00	WESTBOUND T.L.1	(-) 2.4	(-) 1.6	4.8	12.0	4.1		
210+50.00	WESTBOUND T.L.1	(-) 3.0	(-) 1.1	4.1	12.0	2.7		
211+00.00	WESTBOUND T.L.1	(-) 1.8	(-) 0.5	8.1	12.0	7.3		
211+50.00	WESTBOUND T.L.1	(-) 1.7	(-) 0.5	10.6	12.0	9.8		
212+00.00	WESTBOUND T.L.1	(-) 2.2	(-) 1.1	8.2	12.0	7.6		
212+50.00	WESTBOUND T.L.1	(-) 2.1	(-) 1.6	4.5	12.0	4.3		
212+95.00	WESTBOUND T.L.1	(-) 3.4	EXIST.	0.0	12.0	0.0		
208+82.00	WESTBOUND T.L.2	(-) 0.9	(-) 2.0	0.0	12.0	0.0		
209+00.00	WESTBOUND T.L.2	(-) 1.2	(-) 2.0	4.5	12.0	4.4		
209+50.00	WESTBOUND T.L.2	(-) 1.5	(-) 2.0	3.0	12.0	2.9		
210+00.00	WESTBOUND T.L.2	(-) 1.6	(-) 1.6	2.9	12.0	3.2		
210+50.00	WESTBOUND T.L.2	(-) 1.8	(-) 1.1	5.3	12.0	5.3		
211+00.00	WESTBOUND T.L.2	(-) 1.2	(-) 0.5	9.2	12.0	8.8		
211+50.00	WESTBOUND T.L.2	(-) 1.6	(-) 0.5	12.2	12.0	11.5		
212+00.00	WESTBOUND T.L.2	(-) 1.7	(-) 1.1	8.5	13.0	8.0		
212+50.00	WESTBOUND T.L.2	(-) 2.0	(-) 1.6	5.1	13.0	4.9		
212+95.00	WESTBOUND T.L.2	(-) 1.6	EXIST.	0.0	13.0	0.0		
210+71.12	WESTBOUND R.T.	(-) 0.9	EXIST.	0.0	10.0	0.0		
211+00.00	WESTBOUND R.T.	(-) 1.8	(-) 0.5	9.7	10.0	7.8		
211+50.00	WESTBOUND R.T.	(-) 1.3	(-) 0.5	13.7	10.0	10.7		
212+00.00	WESTBOUND R.T.	(-) 1.4	(-) 3.0	8.5	10.0	6.2		
212+50.00	WESTBOUND R.T.	(-) 1.5	(-) 2.4	5.1	10.0	5.8		
212+95.00	WESTBOUND R.T.	(-) 1.8	EXIST.	0.0	10.0	0.0		

PRIMA VISTA
WESTBOUND

PRIMA VISTA
WESTBOUND

ST. LUCIE COUNTY
BOARD OF COUNTY COMMISSIONERS

PRIMA VISTA BOULEVARD
MEDIAN IMPROVEMENTS

consor

2041 Vista Parkway, Suite 101
West Palm Beach, FL 33411
Phone (561) 253-4550

Jeane R. Carter, P.E. No. 82194

REVISIONS

DATE

DESCRIPTION

TYPICAL SECTION
DETAILS

SHEET
NO.

8

1/27/2024 2:20:00 PM D:\P\B\1

PRIMA VISTA BOULEVARD MEDIAN IMPROVEMENTS PROJECT LOCATION: PRIMA VISTA BOULEVARD

equino

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

OVERBUILD DETAILS							
STATION	LOCATION		EXIST. SLOPE (%)	PROPOSED SLOPE (%)	MAX. DEPTH OF OVERBUILD (IN.)	WIDTH OF OVERBUILD (FT.)	AREA OF OVERBUILD (SQ. FT.)
		LANE					
SOUTH OF PRIMA VISTA							
727+17.12	NORTHBOUND L.T.		(-) 2.0	(-) 1.0	9.9	7.0	5.5
727+44.40	NORTHBOUND L.T.		(-) 2.0	(-) 0.5	12.0	14.8	14.0
727+17.12	NORTHBOUND T.L.		(-) 2.0	(-) 1.0	10.4	11.0	9.1
727+44.40	NORTHBOUND T.L.		(-) 2.0	(-) 0.5	10.7	11.6	10.2
727+17.12	NORTHBOUND B.L.		(-) 2.0	(-) 1.0	11.9	7.0	6.5
727+44.40	NORTHBOUND B.L.		(-) 2.0	(-) 0.5	11.1	7.0	6.3
727+17.12	NORTHBOUND R.T.		(-) 2.0	(-) 2.2	12.2	10.0	10.0
727+44.40	NORTHBOUND R.T.		(-) 2.0	(-) 0.7	12.4	19.5	19.2
NORTH OF PRIMA VISTA							
728+26.53	NORTHBOUND T.L.		(-) 4.3	(-) 0.5	12.8	14.5	11.9
728+57.18	NORTHBOUND T.L.		(-) 4.3	(-) 1.0	12.8	14.5	11.9
729+00.00	NORTHBOUND T.L.		(-) 4.1	(-) 1.4	6.7	14.1	5.3
729+50.00	NORTHBOUND T.L.		(-) 2.8	(-) 2.8	1.7	13.2	0.9
730+00.00	NORTHBOUND T.L.		(-) 2.2	(-) 3.5	1.9	11.9	1.0
730+28.00	NORTHBOUND T.L.		(-) 2.4	(-) 3.3	0.0	11.3	0.0

FLORESTA
NORTHBOUND

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION	ST. LUCIE COUNTY BOARD OF COUNTY COMMISSIONERS PRIMA VISTA BOULEVARD MEDIAN IMPROVEMENTS	TYPICAL SECTION DETAILS	SHEET NO.						
				3/5/2024 4:25:10 PM 10e 201									
				consor 2041 Vista Parkway, Suite 101 West Palm Beach, FL 33411 James R. Collier, P.E. No. 82194									
				pw:\american-pw\henley\american-pw\211\document\311211\project\311211\roadway\typical\11e 201.dgn									
				9									

OVERBUILD DETAILS							
STATION	LOCATION		EXIST. SLOPE (%)	PROPOSED SLOPE (%)	MAX. DEPTH OF OVERBUILD (IN.)	WIDTH OF OVERBUILD (FT.)	AREA OF OVERBUILD (SQ. FT.)
	LANE						
SOUTH OF PRIMA VISTA							
727+17.12	SOUTHBOUND L.T.		(-) 3.4	(-) 1.0	12.9	5.9	6.1
727+17.12	SOUTHBOUND T.L.		(-) 2.4	(-) 1.0	14.4	11.0	12.7
727+44.40	SOUTHBOUND T.L.		(-) 2.4	(-) 0.5	11.9	11.0	10.9
727+17.12	SOUTHBOUND B.L.		(-) 1.3	(-) 1.0	14.8	7.7	9.4
727+44.40	SOUTHBOUND B.L.		(-) 1.5	(-) 1.4	13.2	37.1	26.0
NORTH OF PRIMA VISTA							
728+26.53	SOUTHBOUND L.T.L.		(-) 1.1	(-) 0.5	7.0	12.0	6.9
728+57.18	SOUTHBOUND L.T.L.		(-) 1.1	(-) 1.0	7.0	12.0	6.9
729+00.00	SOUTHBOUND L.T.L.		(-) 0.4	(-) 1.4	3.6	12.0	3.0
729+50.00	SOUTHBOUND L.T.L.		(-) 0.5	(-) 0.8	1.8	12.0	1.0
730+00.00	SOUTHBOUND L.T.L.		(-) 0.8	(-) 0.5	2.0	11.9	1.7
730+28.00	SOUTHBOUND L.T.L.		(-) 1.3	(-) 1.0	0.0	10.9	0.0
728+26.53	SOUTHBOUND T.L.		(-) 0.5	(-) 0.5	6.9	11.8	5.9
728+57.18	SOUTHBOUND T.L.		(-) 0.5	(-) 1.0	6.9	11.0	5.9
729+00.00	SOUTHBOUND T.L.		(-) 1.4	(-) 1.4	3.6	11.0	3.1
729+50.00	SOUTHBOUND T.L.		(-) 2.7	(-) 1.9	2.8	11.0	1.9
730+00.00	SOUTHBOUND T.L.		(-) 2.8	(-) 2.0	3.1	11.2	2.6
730+28.00	SOUTHBOUND T.L.		(-) 2.1	(-) 2.5	0.0	11.3	0.0
728+26.53	SOUTHBOUND R.T.L.		(-) 2.3	(-) 0.5	8.0	22.0	6.7
728+57.18	SOUTHBOUND R.T.L.		(-) 2.3	(-) 1.0	8.0	11.0	6.7
729+00.00	SOUTHBOUND R.T.L.		(-) 2.6	(-) 1.4	5.2	11.0	3.9
729+50.00	SOUTHBOUND R.T.L.		(-) 3.0	(-) 1.9	3.1	10.9	3.3
730+00.00	SOUTHBOUND R.T.L.		(-) 2.0	(-) 2.0	3.3	9.9	2.7
730+28.00	SOUTHBOUND R.T.L.		(-) 3.1	(-) 3.1	0.0	8.4	0.0

FLORESTA
SOUTHBOUND

DATE		REVISIONS		DESCRIPTION	DATE	DESCRIPTION	SHEET NO.			
						ST. LUCIE COUNTY BOARD OF COUNTY COMMISSIONERS PRIMA VISTA BOULEVARD MEDIAN IMPROVEMENTS		TYPICAL SECTION DETAILS		10
						consor 2041 Vista Parkway, Suite 101 West Palm Beach, Florida 33411 Phone (561) 253-9550 Jaime R. Celler, P.E. No. 82194 1/5/2024 2:23:11 PM DE BUI		p:\w\american-pol\cortney.com.american-pol\Documents\STC\City-of-Lucie\Projects\109715\109715\NON-Crossway\109715\109715.dgn		

- PROCEDURES. EXCAVATED MATERIALS, SUCH AS Boulders AND LOGS, SHALL BE STORED IN A MANNER THAT DOES NOT PRESENT A HAZARD TO THE SITE. THE PIPE BARREL SHALL BE UNIFORMLY SUPPORTED ALONG ITS ENTIRE LENGTH ON UNDISTURBED SOIL OR BEDDING MATERIAL. PROPER BEDDING SHALL BE SUPPLIED IF THE EXISTING MATERIAL INCLUDES ROCK, ORGANIC MATTER OR OTHER SHARP OR UNSTABLE MATERIAL.
31. THE CONTRACTOR SHALL CONSTRUCT THE IMPROVEMENTS IN A MANNER SO AS TO MINIMIZE ANY ADVERSE IMPACTS OF THE WORKS ON FISH, WILDLIFE, NATURAL ENVIRONMENTAL VALUES AND WATER QUALITY. MEASURES DURING THE CONSTRUCTION PERIOD, INCLUDING MINIMAL COMPACTION OF ANY FILL MATERIAL, PLACED AROUND NEWLY INSTALLED STRUCTURES TO REDUCE EROSION, TURBIDITY, NUTRIENT LOADING AND SEDIMENTATION IN THE RECEIVING WATERS. ALL WORK WITHIN THE PROJECT AREA SHALL BE CONDUCTED IN ACCORDANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) REGULATORY CRITERIA AND REQUIREMENTS.
32. ALL EXISTING LIMBS THAT ARE ABANDONED SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR AS REQUIRED BY THE ENGINEER AND OWNER.

EAN-UP:

- [illegible]

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www.811.org

DATE	REVISIONS DESCRIPTION			301 NW Flagler Ave Stuart, Florida 34984 Phone: (772) 892-4344 JOSEPH W. CAPRA, P.E. No. 37638 Engineering Business No. EB-0077657	PRIMA VISTA BLVD.		GENERAL NOTES	SHEET NO.
					ROAD NO.	COUNTY		
					PRIMA VISTA BLVD.	ST. LUCIE COUNTY		11

TOP ELEVATION INDICATES
CURB INLETS - EDGE OF PAVEMENT
DITCH BOTTOM INLETS - GRATE
MANHOLES - RIM

STR-#	STATION	SIDE	DESCRIPTION	EXIST. TOP	FLOW	PIPE	INVERT
BAFFLE BOX	21H+09	43.75' Rt.	Exist. Baffle Box	EL. 10.96	IN OUT	18"x18" RCP, 16 LF 18"x18" RCP, 112 LF	NW. INV. 3.12 SE. INV. 3.05
CB-1	732+89	25.59' Rt.	Exist. - Type C Inlet	EL. 10.25	IN	18"x18" RCP, 243 LF	SE. INV. 4.81
CB-2	21H+57	249.67' Lt.	Exist. - Curb Inlet Type 4	EL. 10.04	OUT	18"x18" RCP, 19 LF	E. INV. 6.24
CB-2A	21H+04	249.14' Lt.	Exist. - Curb Inlet Type 6	EL. 9.24	OUT	18"x18" RCP, 46 LF	NE. INV. 6.21
CB-3	21H+11	155.74' Rt.	Exist. - Type E Inlet	EL. 10.07	IN	18"x18" RCP, 112 LF	NW. INV. 4.21
CB-4	212+98	43.31' Lt.	Exist. - Curb Inlet Type 6	EL. 10.43	IN	15"x15" RCP, 20 LF	SE. INV. 4.24
CB-5	212+96	38.66' Rt.	Exist. - Curb Inlet Type 4	EL. 10.60	IN	15"x15" RCP, 62 LF	NW. INV. 4.35
CB-6	216+56	34.20' Lt.	Exist. - Curb Inlet Type 6	EL. 10.66	IN	15"x15" RCP, 10 LF	SE. INV. 3.77
CB-7	216+56	38.65' Rt.	Exist. - Curb Inlet Type 4	EL. 11.27	IN	15"x15" RCP, 63 LF	NW. INV. 4.65
CB-8	210+55	32.16' Lt.	Exist. - Curb Inlet Type 5 To Be Removed	EL. 11.15			
CB-8A	210+55	37.22' Lt.	Const. Curb Inlet Type 5 72" J BOTTOM	EL. 11.59	IN OUT OUT	48"x48" RCP, 187 LF 48"x48" RCP, 99 LF 18"x18" RCP, 82 LF	SW. INV. 3.36 NE. INV. 2.11 E. INV. 2.26
CB-9	210+57	43.28' Rt.	Exist. - Curb Inlet Type 5 ADJUST TOP TO EP EL. 11.26	EL. 11.24	IN	15"x15" RCP, 49 LF	NE. INV. 4.42
CB-10	208+66	34.65' Lt.	Exist. - Curb Inlet Type 5	EL. 11.92	IN	15"x15" RCP, 10 LF	S. INV. 7.89
CB-11	208+68	41.26' Rt.	Curb Inlet type P-3	EL. 11.97	IN	15"x15" RCP, 66 LF 15"x15" RCP, 40 LF	NW. INV. 3.41 W. INV. 3.42
CB-11A	208+29	35.63' Rt.	CONST. Index No. 425-021 Curb Inlet Type 6	EL. 11.70	OUT	15"x15" RCP, 40 LF	E. INV. 3.54
CB-12	205+68	34.27' Lt.	Exist. - Curb Inlet Type 6	EL. 11.93	IN	15"x15" RCP, 12 LF	S. INV. 8.08
CB-13	205+67	39.67' Rt.	Exist. - Curb Inlet Type 4	EL. 12.12	IN	15"x15" RCP, 62 LF	N. INV. 7.37
MH-1	211+64	261.52' Lt.	Exist. Manhole	EL. 10.29	OUT OUT	18"x18" RCP, 243 LF 18"x18" RCP, 24 LF	NW. INV. 4.30 NE. INV. 4.70
MH-2	211+72	235.33' Lt.	Exist. Manhole	EL. 10.32	IN IN OUT	60"x60" RCP, 309 LF 18"x18" RCP, 19 LF 60"x60" RCP, 19 LF	SE. INV. 0.85 W. INV. 6.10 NE. INV. 0.90
MH-3	211+55	26.97' Lt.	Exist. Manhole ADJUST TOP 11.95	EL. 10.89	OUT IN	60"x60" RCP, 209 LF 30"x30" RCP, 140 LF 48"x48" RCP, 99 LF	NW. INV. 0.75 NE. INV. 2.06 SW. INV. 0.50

STRUCTURE TABLE

STR-#	STATION	SIDE	DESCRIPTION	EXIST. TOP	FLOW	PIPE	INVERT
MH-4	212+96	23.56' Lt.	Exist. Manhole	EL. 11.65	OUT IN OUT	30"x30" RCP, 140 LF 24"x24" RCP, 197 LF 15"x15" RCP, 52 LF	SW. INV. 2.28 NE. INV. 2.55 SE. INV. 4.29
MH-6	214+96	24.94' Lt.	Exist. Manhole	EL. 10.50	OUT IN	24"x24" RCP, 197 LF 24"x24" RCP, 159 LF	SW. INV. 2.30 NE. INV. 2.30
MH-7	216+56	24.67' Lt.	Exist. Manhole	EL. 10.71	OUT IN OUT	24"x24" RCP, 159 LF 15"x15" RCP, 146 LF 15"x15" RCP, 63 LF	SW. INV. 3.75 NE. INV. 4.41 SE. INV. 3.75
MH-7A	218+02	24.54' Lt.	Exist. Manhole	EL. 11.26	OUT OUT	30"x30" RCP, 146 LF 18"x18" RCP, 52 LF	SW. INV. 4.93 NW. INV. 5.05
MH-8	208+65	24.44' Lt.	Exist. Manhole	EL. 11.90	IN OUT OUT	48"x48" RCP, 294 LF 48"x48" RCP, 187 LF 15"x15" RCP, 66 LF	SW. INV. 3.06 NE. INV. 3.59 SE. INV. 3.24
MH-9	205+67	22.67' Lt.	Exist. Manhole	EL. 12.06	IN OUT OUT	48"x48" RCP, 121 LF 15"x15" RCP, 12 LF 15"x15" RCP, 62 LF	W. INV. 3.44 NE. INV. 3.79 S. INV. 6.78
MH-10	204+45	24.75' Lt.	Exist. Manhole	EL. 12.16	OUT OUT	48"x48" RCP, 121 LF 48"x48" RCP, 40 LF	E. INV. 4.05 W. INV. 4.05
MH-12	211+03	28.75' Rt.	Exist. Manhole Adjust Top 11.93	EL. 11.11	IN OUT OUT	18"x18" RCP, 82 LF 18"x18" RCP, 16 LF 15"x15" RCP, 49 LF	W. INV. 3.00 SE. INV. 3.00 SW. INV. 4.98

STRUCTURE TABLE

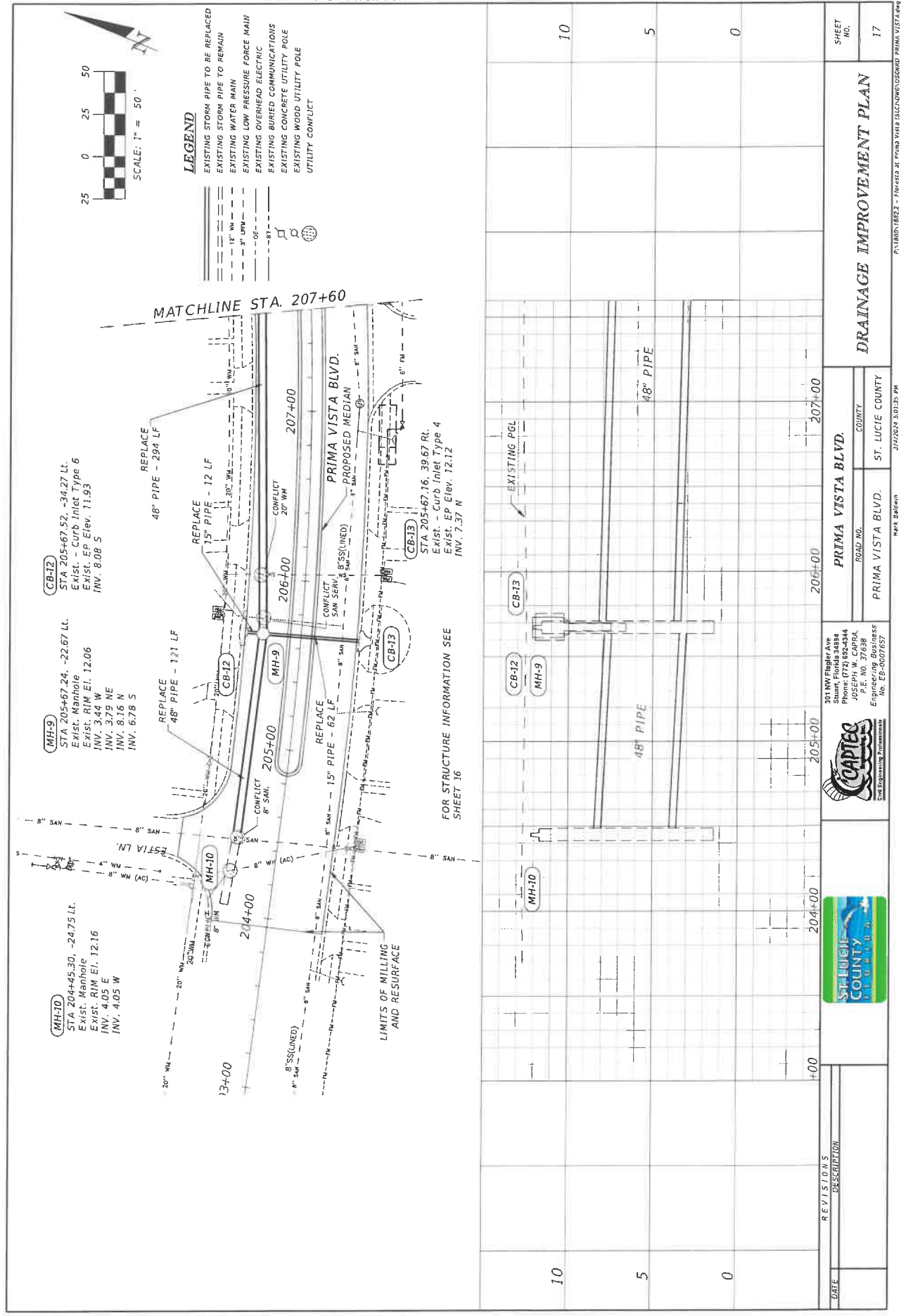


351 NW Flagler Ave
Phonix (772) 692-4344
JOSEPH W. CAPRA
P.E. NO. 37638
Engineering Business
No. 12-0007627

PRIMA VISTA BLVD.		COUNTY
ROAD NO.	ST. LUCIE COUNTY	

DRAINAGE STRUCTURE TABLE

SHEET NO. 16

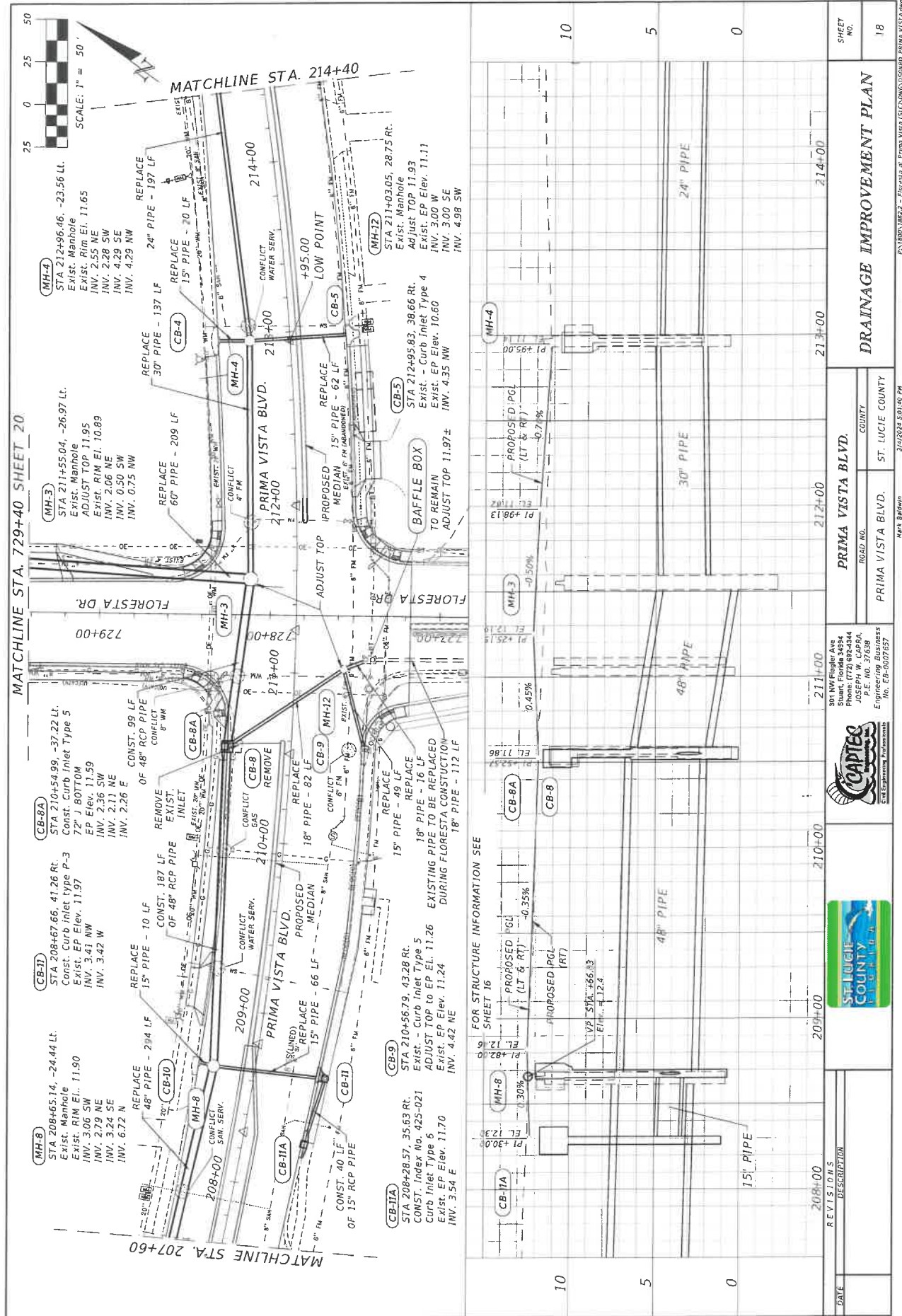


301 NW Puffer Ave
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JOSEPH W. CAPPA
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Engineering Business
No. EG-0007637

PRIMA VISTA BLVD.	
ROAD NO.	COUNTY
PRIMA VISTA BLVD.	ST. LUCIE COUNTY

DRAINAGE IMPROVEMENT PLAN	
SHEET NO.	17

REVISIONS	
DATE	DESCRIPTION



FOR STRUCTURE INFORMATION SEE SHEET 16

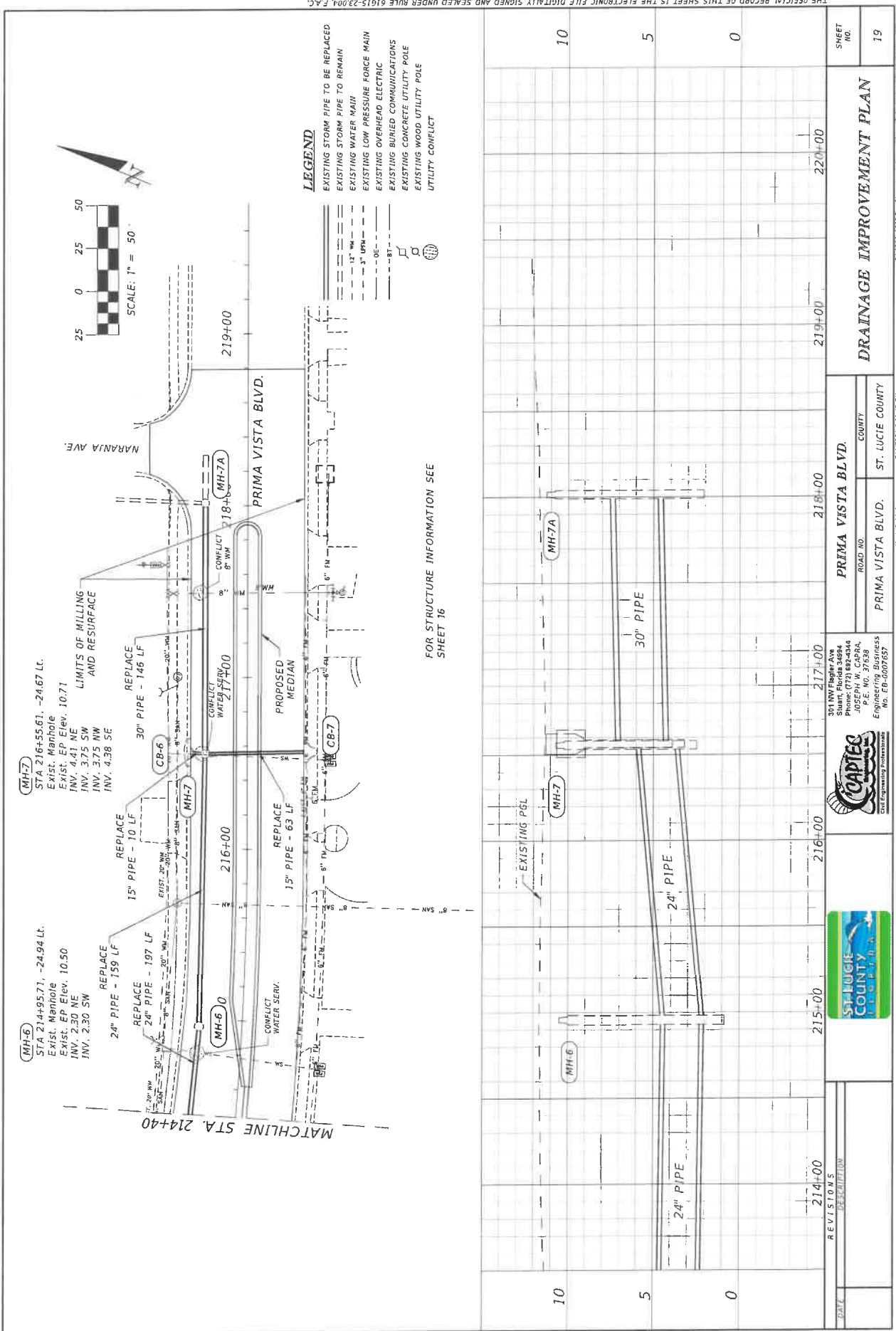


ST. LUCIE COUNTY
JOSEPH W. CAPRA
P.E. NO. 37638
Engineering Business
NO. CD-0007537

PRIMA VISTA BLVD.
ROAD NO.
COUNTY
ST. LUCIE COUNTY

SHEET NO.
18

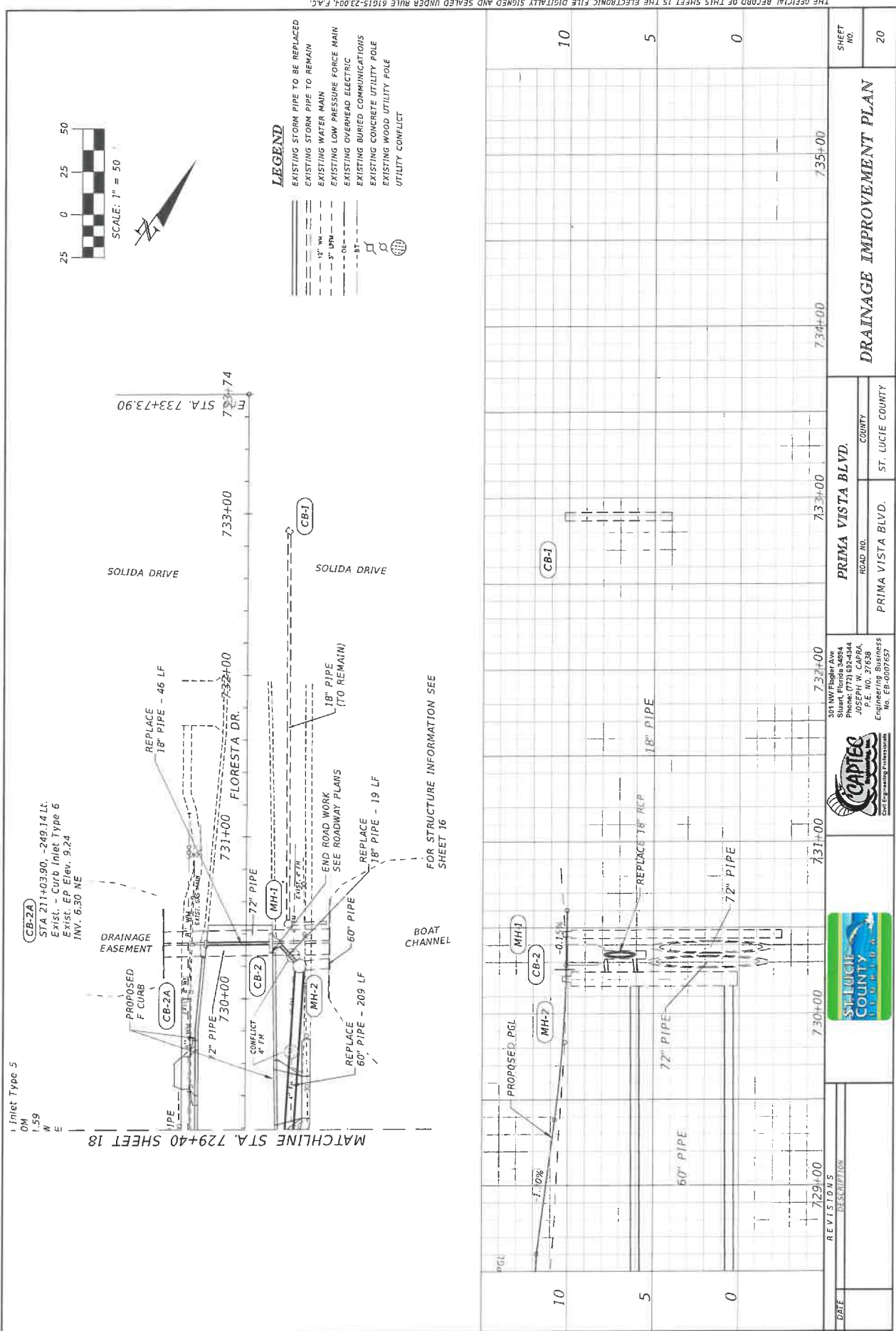
DRAINAGE IMPROVEMENT PLAN



REVISIONS		PRIMA VISTA BLVD.		SHEET NO.
DATE	DESCRIPTION	ROAD NO.	COUNTY	
		PRIMA VISTA BLVD.	ST. LUCIE COUNTY	19

ST. LUCIE COUNTY
COUNTY ENGINEER
JOSEPH W. CAPRA
P.E. NO. 37638
Exp. 08/2025
No. EB-007627

ST. LUCIE COUNTY
COUNTY ENGINEER
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REVISIONS		PRIMA VISTA BLVD.		DRAINAGE IMPROVEMENT PLAN		SHEET NO.
DATE	DESCRIPTION	ROAD NO.	COUNTY			
		PRIMA VISTA BLVD.	ST. LUCIE COUNTY			20

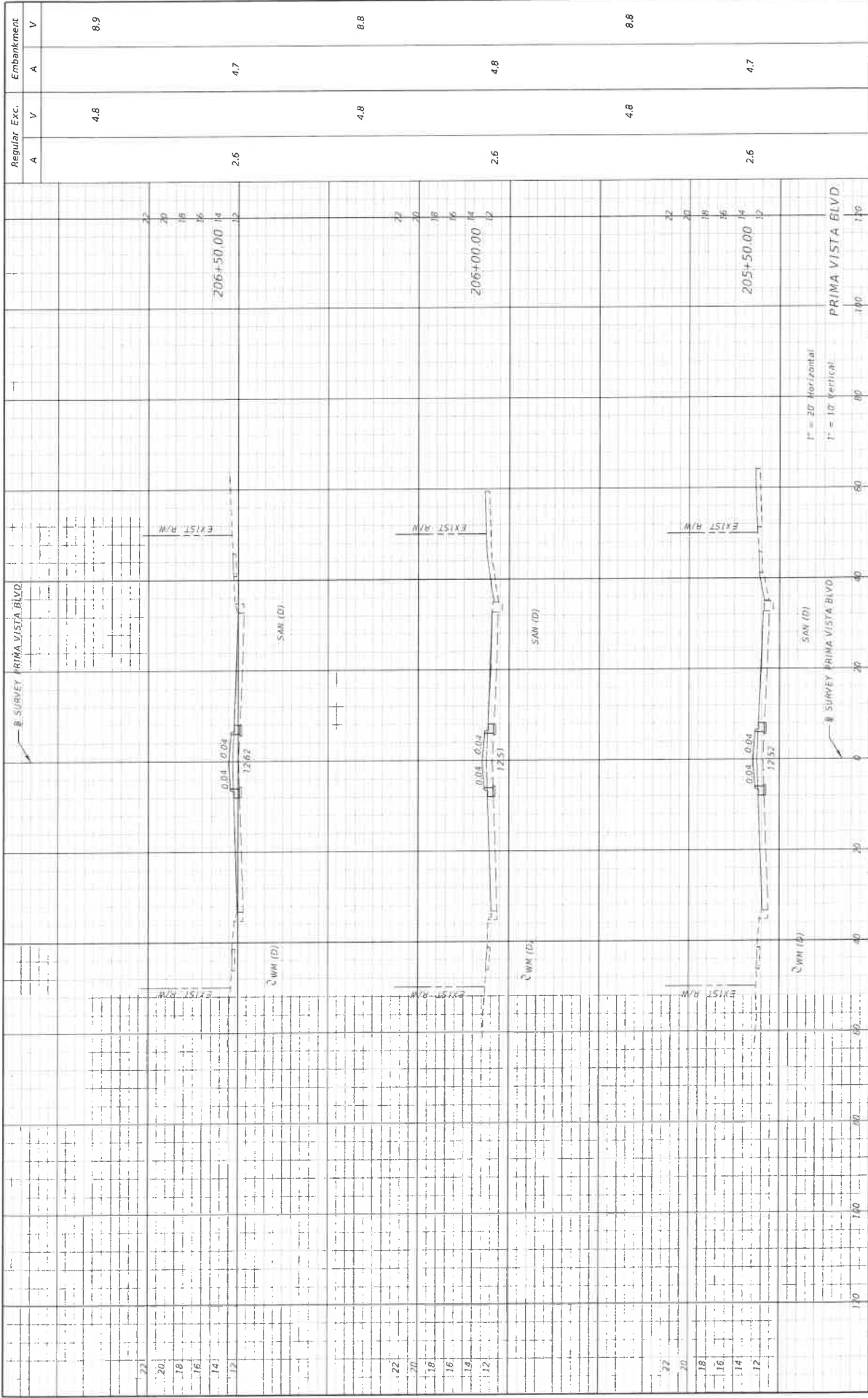


ST. LUCIE COUNTY
JOSEPH W. CAPRA
P.E. NO. 37638
Engineering Business
No. CB-0007027

PRIMA VISTA BLVD.
ROAD NO.
COUNTY
ST. LUCIE COUNTY

SHEET NO.
20

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DATE		REVISIONS		DESCRIPTION		SHEET NO.	
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						23	



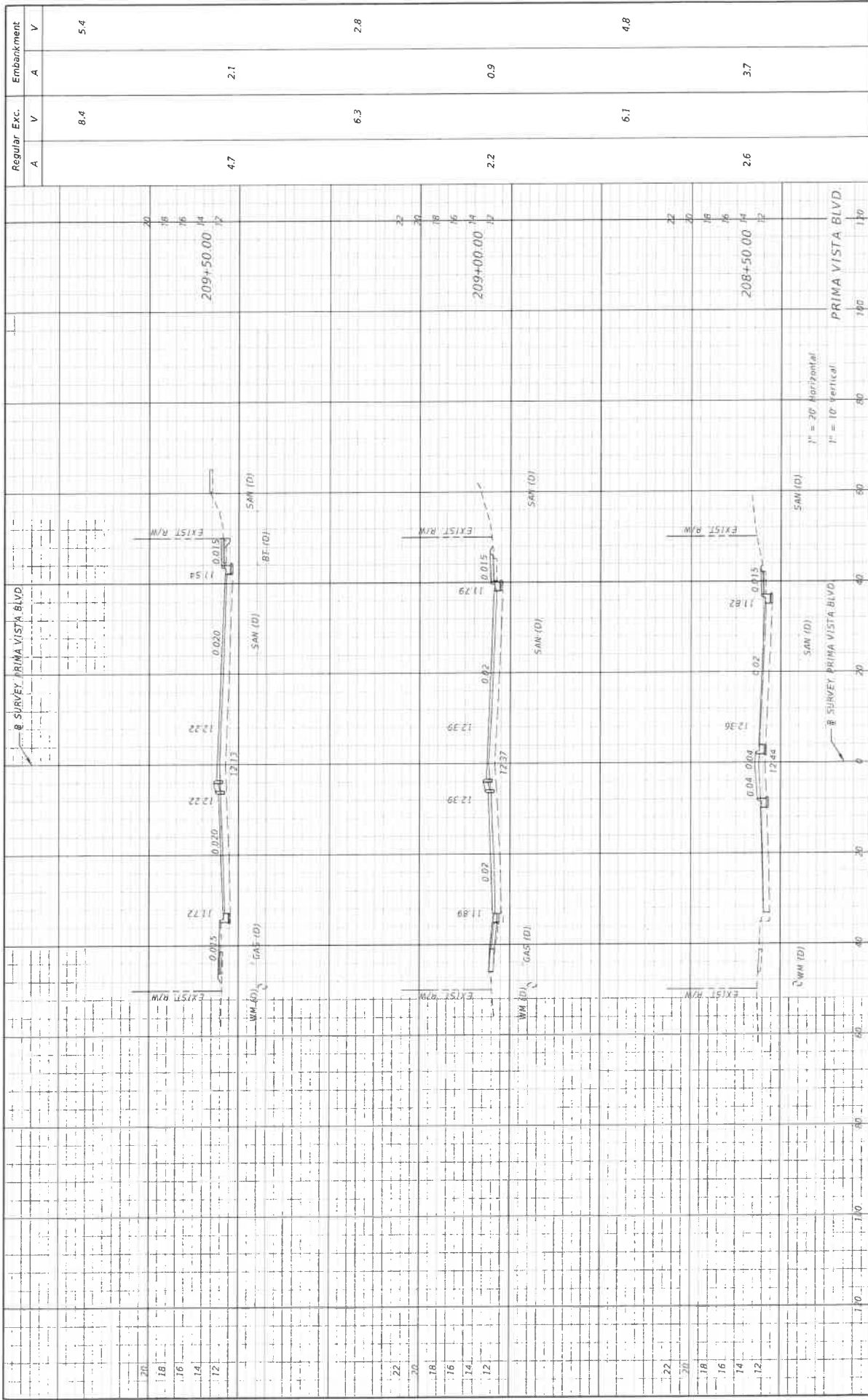
consor
1041 W. Palm Beach Blvd., Suite 101
West Palm Beach, Florida 33411
Phone: (561) 253-8550
Jaime R. Carter, P.E. No. 82194

**ST. LUCIE COUNTY
BOARD OF COUNTY COMMISSIONERS
PRIMA VISTA BOULEVARD
MEDIAN IMPROVEMENTS**

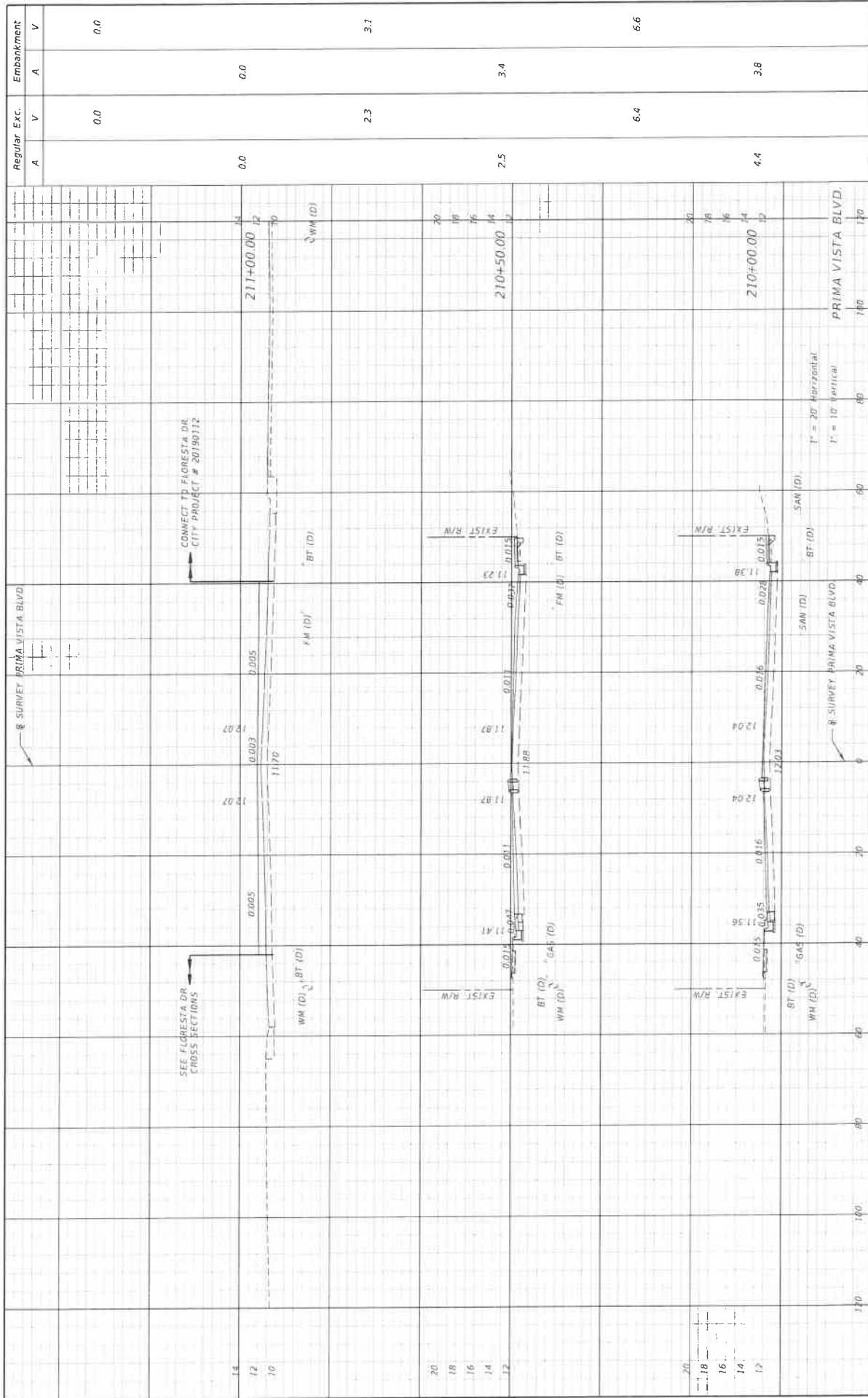
CROSS SECTIONS

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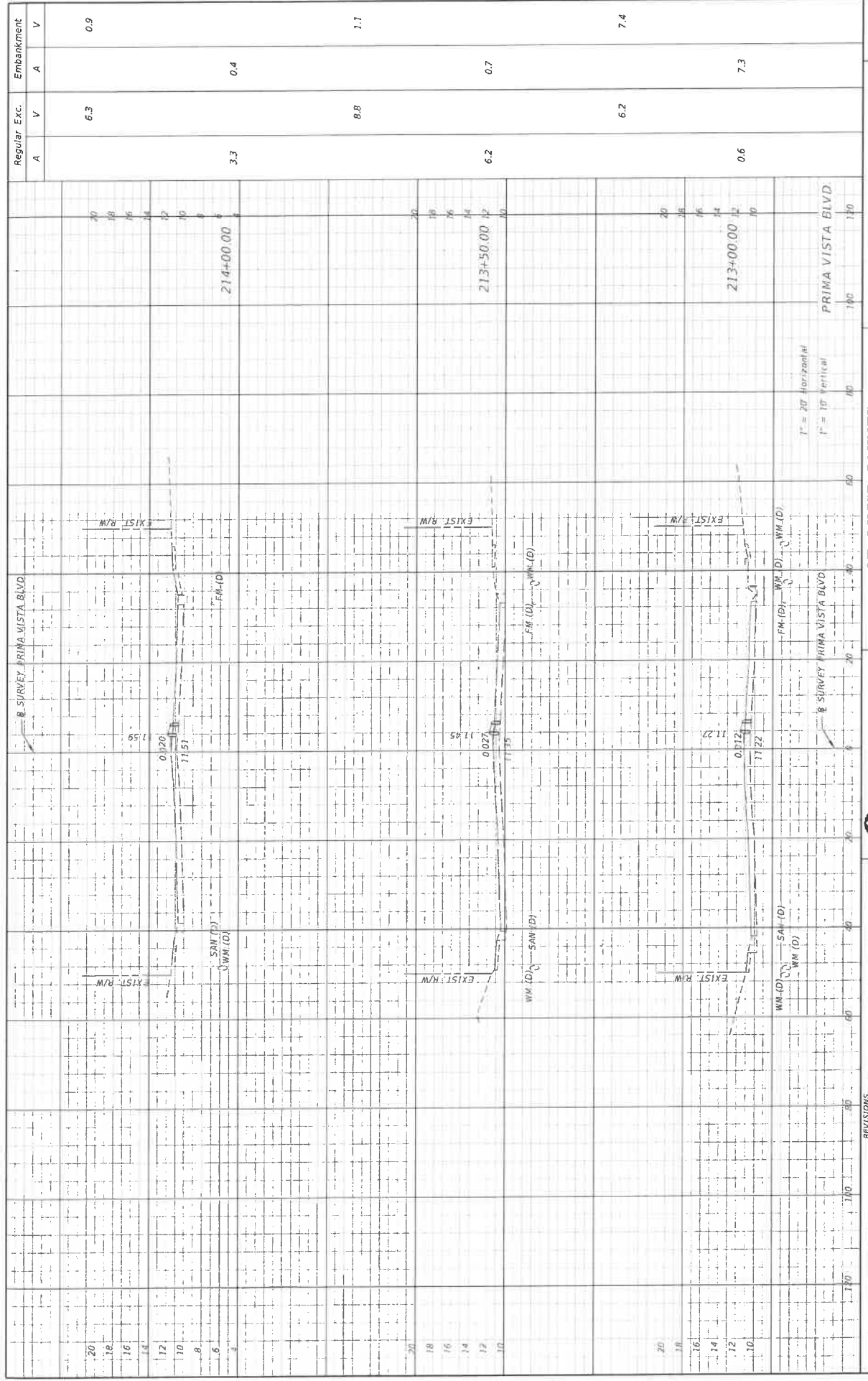
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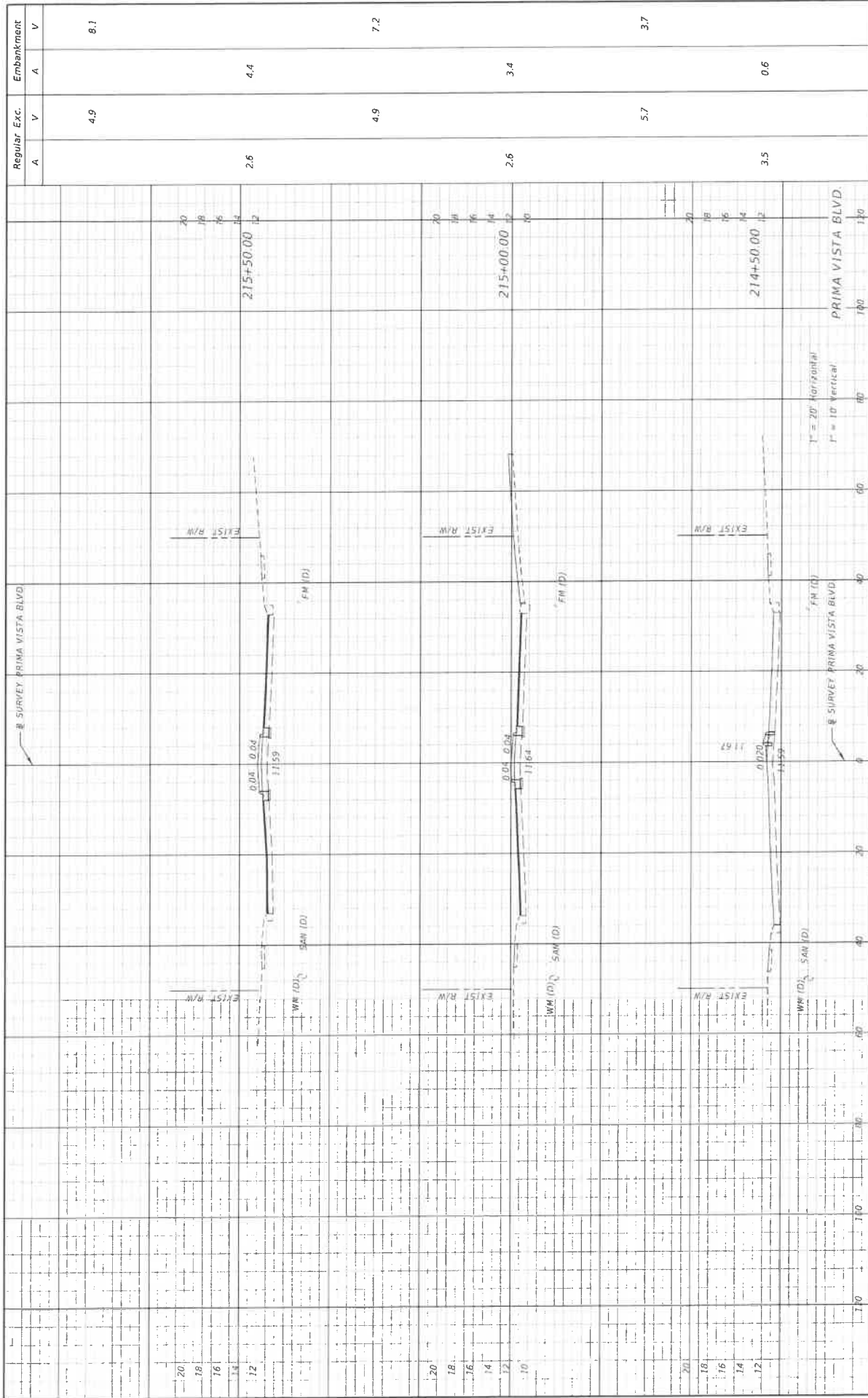


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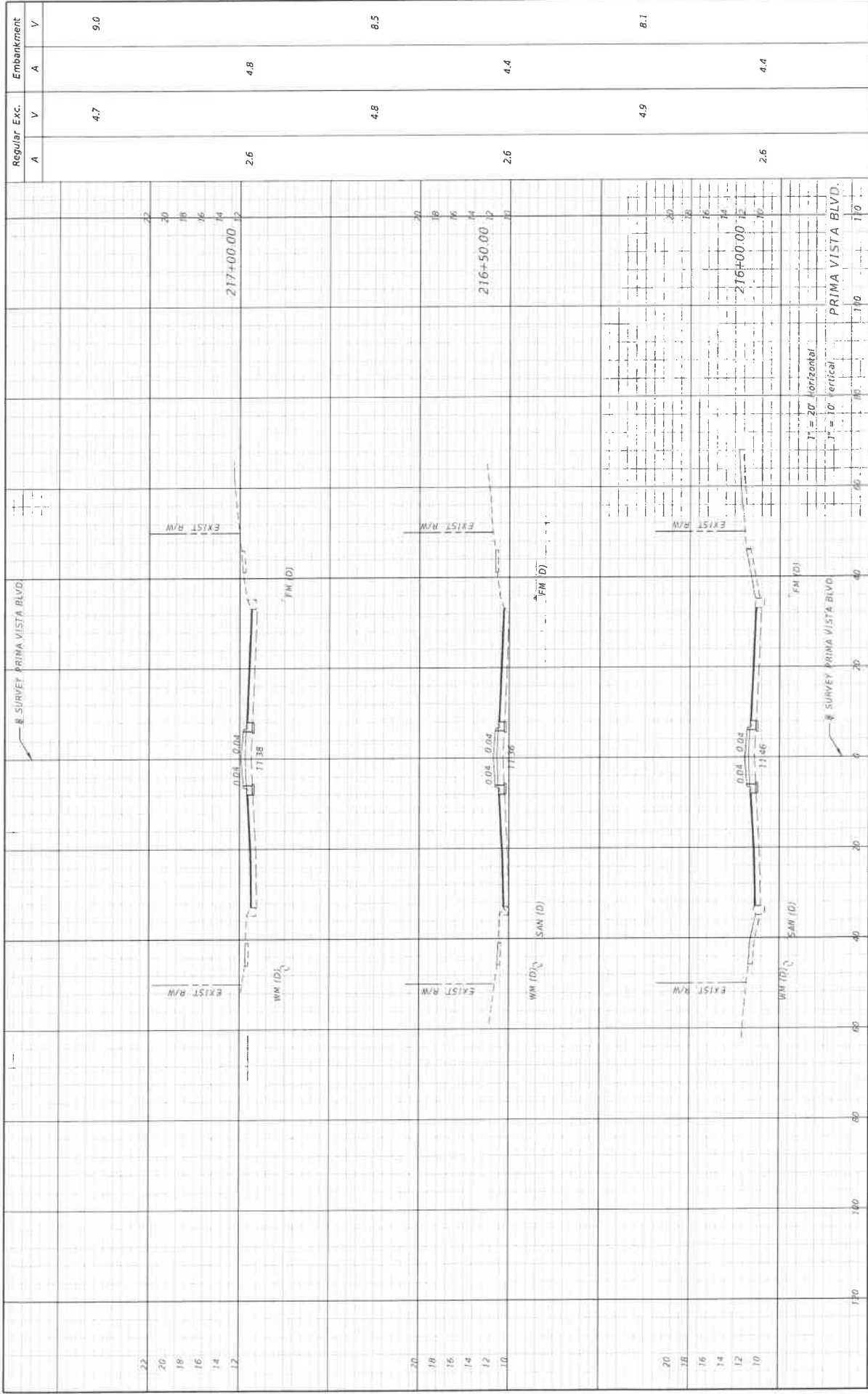


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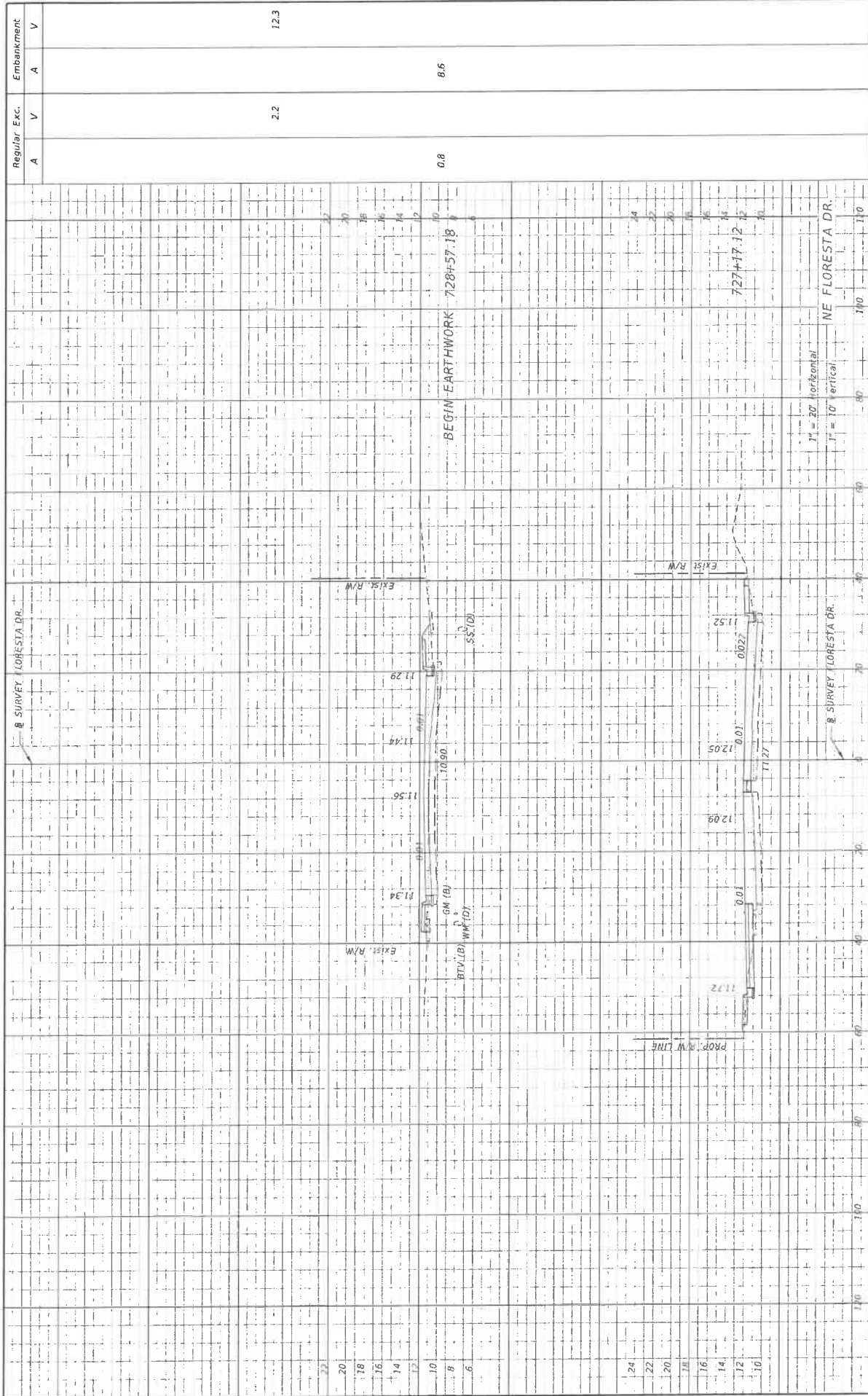
consor 2041 Vista Parkway, Suite 101 West Palm Beach, Florida 33411 Phone: (561) 233-9550 James R. Celler, P.E. No. 82194 1/12/2024 22.0' W.P.N. - NASTY_5'0g



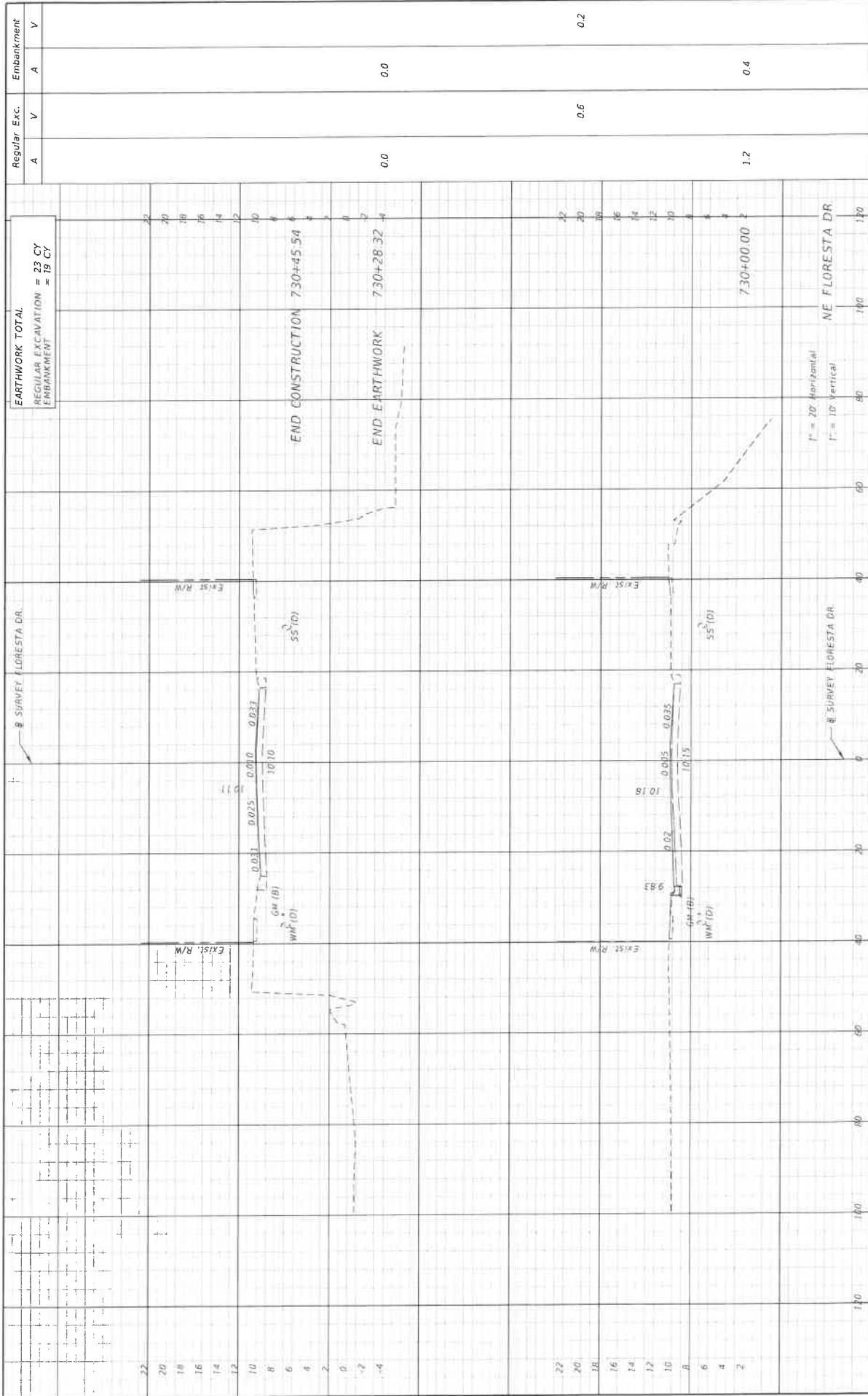
																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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DATE		DESCRIPTION		REVISIONS		 consor 2041 Vista Parkway, Suite 101 West Palm Beach, Florida 33411 Phone: (561) 235-0550	ST. LUCIE COUNTY BOARD OF COUNTY COMMISSIONERS PRIMA VISTA BOULEVARD MEDIAN IMPROVEMENTS	CROSS SECTIONS	SHEET NO.
				DATE					
						J. Long R. O'Neil, P.E. No. 82164			30



REVISIONS		DESCRIPTION		ST. LUCIE COUNTY BOARD OF COUNTY COMMISSIONERS		SHEET NO.
DATE		DESCRIPTION		PRIMA VISTA BOULEVARD MEDIAN IMPROVEMENTS	CROSS SECTIONS	
				 consor 2041 Vista Parkway, Suite 101 West Palm Beach, Florida 33411 Phone: (561) 353-8550 Jaime R. Celler, P.E., No. 82194		32

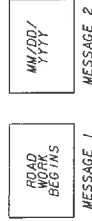
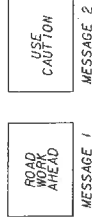


1. ENGINEER MUST APPROVE ALL ROADWAY CLOSURES 14 BUSINESS DAYS IN ADVANCE. CLOSURES SHALL BE COORDINATED WITH CITY PUBLIC WORKS & COUNTY ENGINEERING DEPARTMENTS AND EMERGENCY SERVICES.
2. FOR PAVEMENT DROP-OFFS CONTRACTOR CAN USE SHOULDER TREATMENT PER STANDARD PLANS 102-600 (SHEET 8 OF 11) IN LIEU OF BARRIER WALL AT NO ADDITIONAL COST.
3. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITIES DISTURBING THE SOIL.
4. THE MAINTENANCE OF TRAFFIC FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE PROJECT PLANS, THE CURRENT EDITION OF THE FLORIDA D.O.T. STANDARD PLANS, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AS A MINIMUM CRITERIA. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH (BUT NOT LIMITED TO) THE STANDARD PLANS.
5. THE CONTRACTOR SHALL MAKE PROVISIONS FOR THE REMOVAL OF STORMWATER FROM THE ROADWAY DURING CONSTRUCTION. PROVISIONS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO USE.
6. THE CONTRACTOR SHALL IMMEDIATELY REPAIR ALL POTHOLES WHICH DEVELOP WITHIN THE PROJECT LIMITS WITH COLD PATCH ASPHALT CONCRETE. COST TO BE INCLUDED UNDER 102-1 MAINTENANCE OF TRAFFIC.
7. THE ALTERATION OF TRAFFIC TRAVEL WAYS TO CREATE A WORK ZONE SHALL NOT COMMENCE UNTIL ALL LABOR AND MATERIALS ARE AVAILABLE FOR THE CONSTRUCTION.
8. THE WORK AREA SHALL BE PROTECTED BY TRAFFIC CONTROL DEVICES AS SPECIFIED IN THE STANDARD PLANS.
9. THE CONTRACTOR SHALL REMOVE, RELOCATE OR COVER ANY SIGNS OR OBLITERATE ANY PAVEMENT MARKINGS THAT CONFLICT WITH THE TRAFFIC CONTROL PHASES. WHEN THE CONFLICT NO LONGER EXISTS, THE CONTRACTOR SHALL REINSTALL OR UNCOVER THOSE SIGNS AND PAVEMENT MARKINGS IN THEIR ORIGINAL POSITION. (SEE SIGNING AND PAVEMENT MARKING PLANS).
10. PERMANENT RPW'S WHERE REQUIRED, SHALL BE PLACED WITHIN 72 HOURS OF COMPLETION OF THE PERMANENT STRIPING.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEVELOPING A WORK ZONE SCHEDULE SO THAT ANY LOCATION UNDER CONSTRUCTION WILL NOT BE LEFT IN A HAZARDOUS CONDITION AT THE COMPLETION OF ANY WORK PERIOD.
12. CONTRACTOR SHALL WORK WITH ANY ADJACENT CONTRACTORS DURING THE DURATION OF THE PROJECT.
13. POSTED REGULATORY SPEED SHALL BE MAINTAINED FOR ALL PHASES.
14. IF A LANE CLOSURE CAUSES EXTENDED CONGESTION, THE CONTRACTOR SHALL BE DIRECTED TO REOPEN THE CLOSED LANE(S) UNTIL SUCH TIME AS TRAFFIC FLOW HAS RETURNED TO AN ACCEPTABLE LEVEL. OPEN ALL LANES DURING INACTIVE WORK TIMES.
15. THE CONTRACTOR SHALL TAKE EVERY NECESSARY PRECAUTION TO PREVENT WILLED MATERIAL FROM ENTERING THE DRAINAGE SYSTEM AT NO ADDITIONAL COST TO THE DEPARTMENT. EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED UNLESS OTHERWISE NOTED. ALL DRAINAGE STRUCTURES (EXISTING & PROPOSED) SHALL BE PROTECTED FROM SEDIMENTATION AND MILLING MATERIAL ACCORDING TO DEP FLORIDA STORMWATER EROSION & SEDIMENTATION CONTROL INSPECTOR MANUAL, SECTION * 4.08 - STORMDRAIN INLET PROTECTION.
16. THE AREA TO BE CONSTRUCTED SHALL NOT EXCEED THAT AREA WHICH WILL BE PAVED WITH STRUCTURAL COURSE BY THE END OF THE SAME WORK PERIOD.
17. CONTRACTOR SHALL PROVIDE TEMPORARY PAVEMENT MARKINGS INCLUDING CROSSWALKS, LANE LINES, TURN ARROWS, AND LANE CLOSURES. TEMPORARY PAVEMENT MARKINGS SHALL BE INSTALLED ON THE EDGE OF LANE LINES OF ALL TRANSITIONS, TANGENT SECTIONS AND CROSSOVERS WITHIN THE WORK ZONE.

18. ALL LANES MUST BE OPEN FOR TRAFFIC DURING AN EVACUATION NOTICE OF A HURRICANE OR OTHER CATASTROPHIC EVENT. VEHICLES SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT AS DIRECTED BY THE ENGINEER.
19. ALL TRENCHING OR EXCAVATION WITHIN THE PAVEMENT AREA SHALL BE PERFORMED PRIOR TO THE RESURFACING OPERATION.
20. ADJUSTMENT OF SIGNAL HEADS NECESSARY FOR ALIGNMENT TO TEMPORARY LANE CONFIGURATION INCLUDED UNDER 102-1 MAINTENANCE OF TRAFFIC.
21. CONTRACTOR SHALL MAKE PROVISIONS TO ENSURE POSITIVE DRAINAGE IS MAINTAINED AT ALL TIMES.
22. NORMAL WORKING HOURS FOR THE CONTRACTOR SHALL BE FROM 8:00 AM TO 5:00 PM MONDAY THRU FRIDAY. IF THE CONTRACTOR DESIRES TO WORK OUTSIDE OF THESE TIMES THEY MUST OBTAIN APPROVAL FROM THE COUNTY.
23. TRAFFIC CONTROL OFFICER SHALL BE USED FOR THE SIGNALIZED INTERSECTION AT FLORESTA DR. SIGNALS ARE NOT IN USE.
24. 5'X4' PROJECT INFORMATION SIGNS SHALL BE PLACED DURING CONSTRUCTION. THE COUNTY WILL PROVIDE THE PROJECT INFORMATION SIGNS TO THE CONTRACTOR.

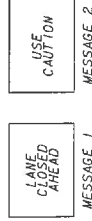
1. FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) ON EASTBOUND AND WESTBOUND PRIMA VISTA BLVD. THE PCMS SHALL BE IN PLACE TWO (2) WEEKS BEFORE THE START OF ANY CONSTRUCTION ACTIVITIES. PCMS SHALL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER.

PCMS MESSAGE PRIOR TO CONSTRUCTION (14 DAYS IN ADVANCE)

PCMS MESSAGE DURING CONSTRUCTION
(NON-LANE CLOSURES)

MESSAGE 1	MESSAGE 2
1. The first message is "I am a student at the University of California, Berkeley." 2. The second message is "I am a student at the University of California, Berkeley." 3. The third message is "I am a student at the University of California, Berkeley." 4. The fourth message is "I am a student at the University of California, Berkeley." 5. The fifth message is "I am a student at the University of California, Berkeley." 6. The sixth message is "I am a student at the University of California, Berkeley." 7. The seventh message is "I am a student at the University of California, Berkeley." 8. The eighth message is "I am a student at the University of California, Berkeley." 9. The ninth message is "I am a student at the University of California, Berkeley." 10. The tenth message is "I am a student at the University of California, Berkeley."	1. The first message is "I am a student at the University of California, Berkeley." 2. The second message is "I am a student at the University of California, Berkeley." 3. The third message is "I am a student at the University of California, Berkeley." 4. The fourth message is "I am a student at the University of California, Berkeley." 5. The fifth message is "I am a student at the University of California, Berkeley." 6. The sixth message is "I am a student at the University of California, Berkeley." 7. The seventh message is "I am a student at the University of California, Berkeley." 8. The eighth message is "I am a student at the University of California, Berkeley." 9. The ninth message is "I am a student at the University of California, Berkeley." 10. The tenth message is "I am a student at the University of California, Berkeley."

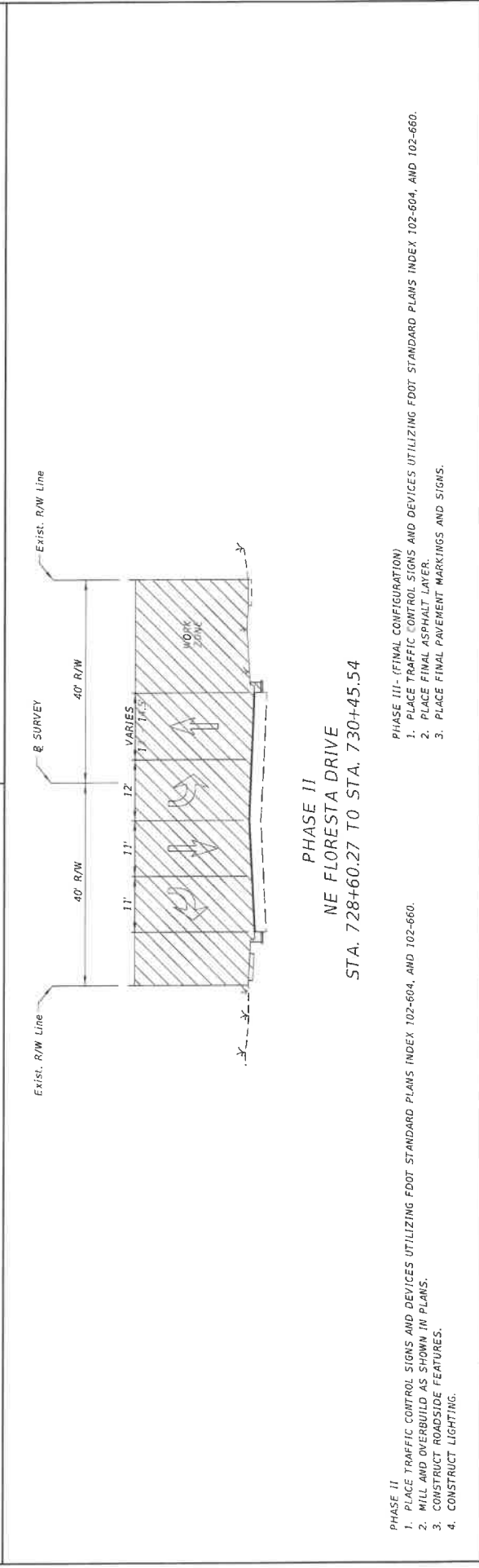
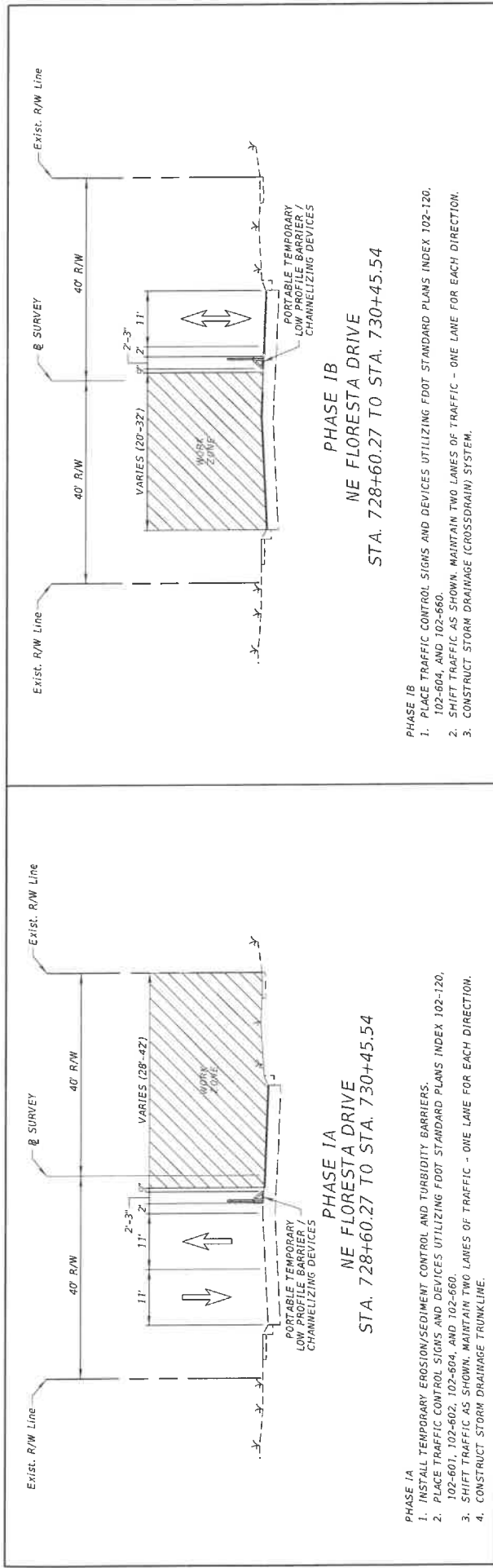
MESSAGE 2

PCMS MESSAGE DURING CONSTRUCTION
(LANE CLOSURES)

DATE		REVISIONS		DESCRIPTION	ST. LUCIE COUNTY BOARD OF COUNTY COMMISSIONERS	TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO.
DESCRIPTION		DATE					
							35

consor
254 White Oakway, Suite 101
West Palm Beach, Florida 33411
Phone: (561) 243-9550
Jaime R. Geller, P.E. No. 82194

OWN: AMERICAN ROAD & BUILDING CONSTRUCTION COMPANY, INC.



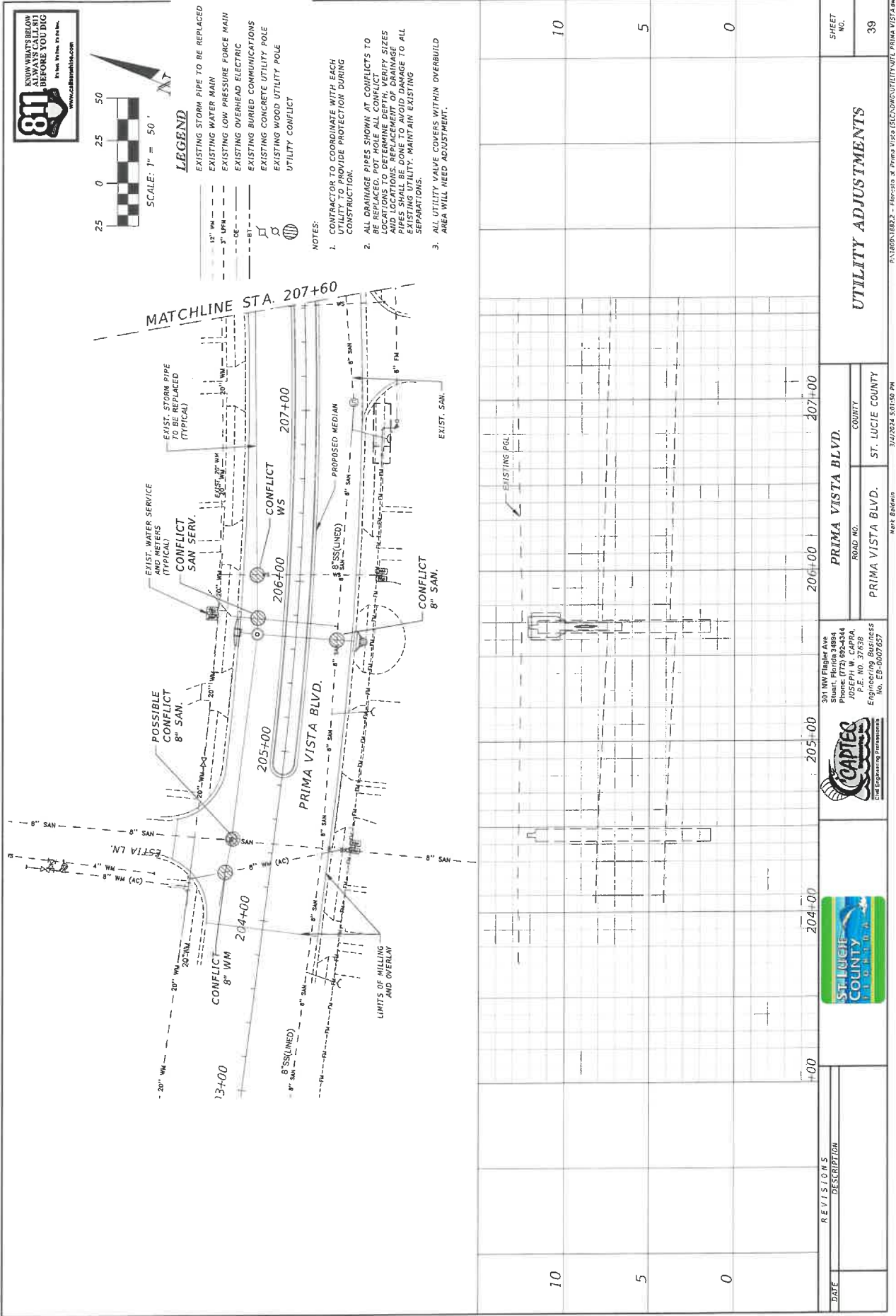
2041 Vista Parkway, Suite 101
West Palm Beach, FL 33411
West Phone (561) 253-0550
Fax (561) 253-0550
Jaime R. Geller, P.E. No. 82784

ST. LUCIE COUNTY
BOARD OF COUNTY COMMISSIONERS
PRIMA VISTA BOULEVARD
MEDIAN IMPROVEMENTS

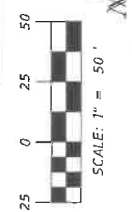
TEMPORARY TRAFFIC
CONTROL PLAN

DATE **DESCRIPTION** **REVISIONS** **DATE** **DESCRIPTION**

SHEET NO. 38



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BEFORE YOU DIG
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LEGEND

- EXISTING STORM PIPE TO BE REPLACED
- EXISTING WATER MAIN
- EXISTING LOW PRESSURE FORCE MAIN
- EXISTING BURIED COMMUNICATIONS
- EXISTING CONCRETE UTILITY POLE
- EXISTING WOOD UTILITY POLE
- UTILITY CONFLICT

NOTES:

- CONTRACTOR TO COORDINATE WITH EACH UTILITY TO PROVIDE PROTECTION DURING CONSTRUCTION.
- ALL DRAINAGE PIPES SHOWN AT CONFLICTS TO BE REPLACED. POT HOLE ALL CONFLICTS TO BE REPAIRED. REPAIRS TO BE DONE TO MEET ALL CITY SIZES AND LOCATIONS. REPLACEMENT OF DRAINAGE PIPES SHALL BE DONE TO AVOID DAMAGE TO ALL EXISTING UTILITY. MAINTAIN EXISTING SEPARATIONS.
- ALL UTILITY VALVE COVERS WITHIN OVERBUILD AREA WILL NEED ADJUSTMENT.



301 NW Florida Ave
Stuart, Florida 34994
Phone: (772) 892-4344
JOSEPH W. CAPRA,
P.E. NO. 37638
Professional Engineer
No. EP-00076237

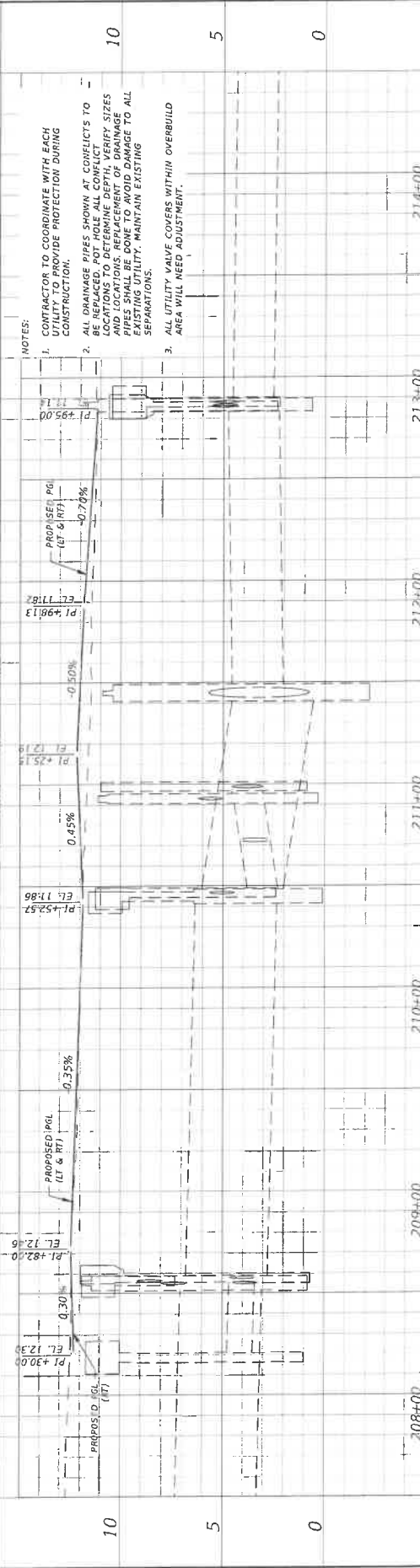
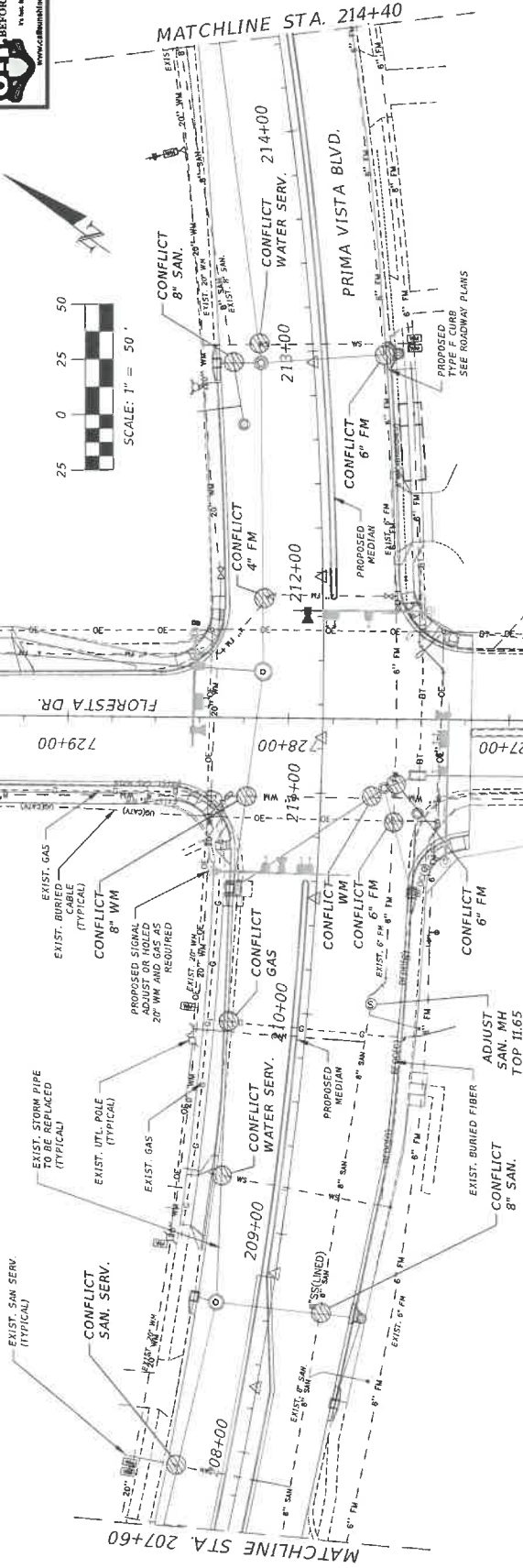
PRIMA VISTA BLVD.	
ROAD NO.	COUNTY
PRIMA VISTA BLVD.	ST. LUCIE COUNTY

UTILITY ADJUSTMENTS	
SHEET NO.	39

DATE	REVISIONS DESCRIPTION

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

MATCHLINE STA. 729+40 SHEET 5



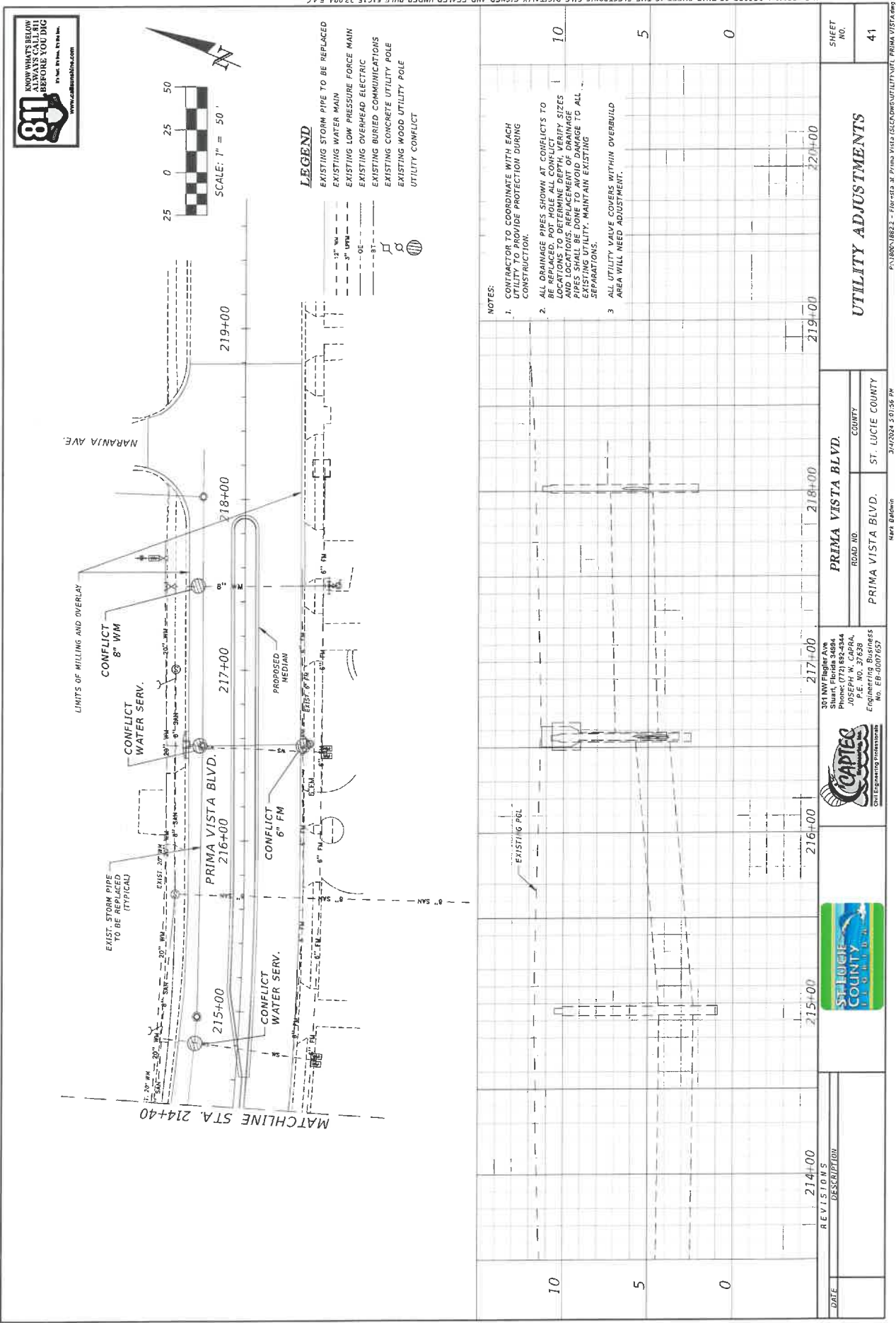
- NOTES:
1. CONTRACTOR TO COORDINATE WITH EACH UTILITY TO PROVIDE PROTECTION DURING CONSTRUCTION.
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 3. ALL UTILITY VALVE COVERS WITHIN OVERBUILD AREA WILL NEED ADJUSTMENT.

DATE	REVISIONS	DESCRIPTION	PRIMA VISTA BLVD.		COUNTY	SHEET NO.
			ROAD NO.	ST. LUCIE COUNTY		
						40



301 NW English Ave
Stuart, Florida 34984
Phone: (772) 892-0344
JOSEPH W. CAPRA,
P.E. No. 17638
E-mail: jcapra@capitoleng.com
No. EB-0007557

UTILITY ADJUSTMENTS



REVISIONS		PRIMA VISTA BLVD.		UTILITY ADJUSTMENTS	
DATE	DESCRIPTION	ROAD NO.	COUNTY	SHEET NO.	
		PRIMA VISTA BLVD.	ST. LUCIE COUNTY	41	

301 NW Florida Ave.
Stuart, Florida 34984
Phone: (772) 892-4344
JOSEPH W. CAPRA
P.E. No. 37638
Exp. Date 01/01/2025
No. EB-0007657

Captec
Civil Engineering Professionals



ST. LUCIE COUNTY
FLORIDA

SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS												
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
							P	F	P	F		
0110 1 1	CLEARING & GRUBBING	STA. TO STA. 204+92.50 to 210+59.00	LT/RT	12521	LS		0.151			1	0.41 TOTAL AC	
		208+80.00 to 208+98.39	LT	20916		0.006						
		209+21.58 to 210+74.69	LT	20896		0.010						
		209+21.70 to 210+87.36	LT	12591		0.023						
		209+73.44 to 210+78.69	RT	20938		0.008						
		210+71.73 to 210+94.88	LT	20881		0.003						
		210+93.15 to 211+01.07	LT	21079		0.002						
		211+56.15 to 211+66.91	LT	21072		0.002						
		211+63.33 to 212+88.95	LT	30578		0.009						
		211+70.85 to 212+12.40	RT	20960		0.004						
		211+89.00 to 217+82.50	LT/RT	12543		0.133						
		212+04.01 to 212+12.26	RT	18779		0.001						
		212+33.75 to 212+88.95	RT	18670		0.008						
		212+33.81 to 212+88.95	RT	30519		0.005						
		728+59.67 to 729+45.26	LT	20852		0.006						
		728+59.73 to 729+42.12	LT	21061		0.006						
		728+60.18 to 729+22.33	RT	21066		0.012						
		728+60.24 to 729+25.90	RT	20861		0.005						
		729+51.90 to 729+75.00	RT	20871		0.002						
		729+54.12 to 729+75.01	RT	12957		0.006						
		729+61.33 to 730+00.00	LT	20845		0.003						
		729+68.23 to 730+00.00	LT	12969		0.002						
0110 4 10	REMOVAL OF EXISTING CONCRETE	208+80.00 to 210+48.92	RT	18152	SY		40.5		998		CURB & GUTTER	
		208+80.00 to 210+84.56	RT	33105			152.3				SIDEWALK/CURB & GUTTER	
		208+88.15 to 211+03.22	LT	18271			51.0				CURB & GUTTER	
		208+94.66 to 209+25.17	LT	7424			29.7				DRIVEWAY	
		209+21.61 to 210+97.95	LT	18121			112.9				SIDEWALK	
		210+48.83 to 210+86.51	RT	16673			12.6				CURB & GUTTER	
		211+54.14 to 212+88.95	LT	18298			32.8				CURB & GUTTER	
		211+63.04 to 212+88.95	RT	8814			34.6				CURB & GUTTER	
		211+63.33 to 212+88.95	LT	30617			96.8				SIDEWALK	
		211+65.08 to 212+12.32	RT	16716			46.6				SIDEWALK	
		212+08.53 to 212+37.57	RT	7731			60.1				DRIVEWAY	
		212+33.75 to 212+88.95	RT	7945			30.6				SIDEWALK	
		728+59.67 to 729+43.80	LT	18183			45.8				SIDEWALK	
		728+59.73 to 730+25.38	LT	18328			36.6				CURB & GUTTER	
		728+60.13 to 730+28.35	RT	18316			37.1				CURB & GUTTER	
		728+60.24 to 729+25.90	RT	18188			39.0				SIDEWALK	
		729+15.94 to 729+61.73	RT	8039			79.7				DRIVEWAY	
		729+40.96 to 729+70.74	LT	7548			30.3				DRIVEWAY	
		729+51.76 to 729+75.00	RT	8030			10.9				SIDEWALK	
		729+64.02 to 730+00.00	LT	7560			18.4				SIDEWALK	

REVISIONS			DESCRIPTION	DATE
DATE	DESCRIPTION			

consor		ST. LUCIE COUNTY BOARD OF COUNTY COMMISSIONERS		SUMMARY OF QUANTITIES	SHEET NO.
2041 Vista Parkway, Suite 101 West Palm Beach, Florida 33411 Phone (561) 255-9830 Fax (561) 255-9830		PRIMA VISTA BOULEVARD MEDIAN IMPROVEMENTS			
Jaime R. Calvar, P.E. No. 82194		JRM		SQ-3	



consor

10000 Highway 100, Suite 100
West Palm Beach, FL 33411
Phone (561) 253-8550

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

ST. LUCIE COUNTY BOARD OF COUNTY COMMISSIONERS		SUMMARY OF QUANTITIES	
PRIMA VISTA BOULEVARD MEDIAN IMPROVEMENTS		SQ-3	

SUMMARY OF EARTHWORK					
PAY ITEM NO.	PAY ITEM DESCRIPTION	CY		DESIGN NOTES	CONSTRUCTION REMARKS
0120 1	REGULAR EXCAVATION	P	F		
	PRIMA VISTA			123.0	
	FLORESTA (STA. 728+57.18 TO STA. 730+28.57)			23.0	
	FLORESTA (STA. 727+17 TO STA. 727+44.40)			2.2	
	TOTAL REGULAR EXCAVATION			148.2	
0120 6	EMBANKMENT				
	PRIMA VISTA			170.8	
	FLORESTA (STA. 728+57.18 TO STA. 730+28.57)			19.3	
	FLORESTA (STA. 727+17 TO STA. 727+44.40)			5.0	
	TOTAL EMBANKMENT			195.1	

SUMMARY OF PAVEMENT									
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA /D	UNIT	QUANTITY		CONSTRUCTION REMARKS
		STA.	TO STA.				P	F	
0160 4	TYPE B STABILIZATION	209+57.63	TO 210+85.81	LT	40155	SY	66.3	131	
		210+60.51	TO 211+03.19	RT	40169		64.2		
		211+26.98	TO 211+29.47	RT	27680		0.1		
285709	OPTIONAL BASE, BASE GROUP 09	209+57.60	TO 210+85.81	LT	42223	SY	33.7	87	
		210+60.51	TO 211+03.19	RT	42237		53.4		
		211+26.98	TO 211+29.47	RT	27225		0.1		
0327 70 6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	203+94.96	TO 218+79.28	LT/RT	36725	SY	10603.5	11750	
		728+28.47	TO 730+45.54	LT/RT	36706		1146.6		
0334 1 13	SUPERPAVE ASPHALTIC CONC. TRAFFIC C	209+57.80	TO 210+85.78	LT	40115	TN	2.78	1362.0	
		210+60.54	TO 211+03.19	RT	40127		4.40		
		211+26.98	TO 211+29.47	RT	28208		0.01		
		208+30.00	TO 212+95.00	LT/RT			494.51		
		208+82.00	TO 214+72.00	LT/RT			494.55		
		727+17.12	TO 727+44.40	LT/RT			146.03		
		728+26.53	TO 730+28.00	LT/RT			219.70		
0334 1 53	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, PG76-22	203+94.96	TO 218+79.28	LT/RT	39724	TN	879.41	974.0	
		728+28.49	TO 730+45.54	LT/RT	39836		94.60		

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION	ST. LUCIE COUNTY BOARD OF COUNTY COMMISSIONERS PRIMA VISTA BOULEVARD MEDIAN IMPROVEMENTS	SUMMARY OF QUANTITIES	SHEET NO.
							50-4

consor
2601 State Parkway, Suite 301
West Palm Beach, FL 33411
Phone (561) 253-8850
Jaime R. Celler, P.E. No. 85194
1/15/2024 11:05 AM DEBU

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS

PAY ITEM NO	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA I/D	UNIT	QUANTITY				TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.					CROSS LENGTH	DEDUCTIONS TYPE	LENGTH	NET LENGTH	P	F		
0520 1 10	CONCRETE CURB & GUTTER, TYPE F		204+86.00 to 208+80.00	LT/RT		LF			796.1		796.1			
			208+20.75 to 210+83.78	RT				283.2		283.2				
			208+88.15 to 211+01.62	LT				227.1		227.1				
			211+55.29 to 212+88.95	LT				143.8		143.8				
			211+64.69 to 212+88.95	RT				146.4		146.4				
			214+62.00 to 217+89.00	LT/RT				662.4		662.4				
0520 2 4	CONCRETE CURB, TYPE D		728+53.67 to 730+25.35	LT					171.9		171.9			
			728+53.67 to 730+28.34	RT				174.7		174.7				
			208+79.86 to 210+60.50	LT	LF			361.9		361.9		914		
			211+87.50 to 211+62.16	RT				552.3		552.3				

[illegible]

SUMMARY OF SIDEWALK & DETECTABLE WARNINGS																	
LOCATION STA. TO STA.		SIDE	AREA ID	LENGTH	WIDTH	CONC SIDEWALK 4"				CONC SIDEWALK 6"				DETECTABLE WARNINGS		DESIGN NOTES	CONSTRUCTION REMARKS
						SY		F		SY		F		0522	1		
							P	F	P	F	P	F	P	F			
208+20.75 to 210+60.35		RT	4767				154.8										
209+21.61 to 210+46.76		LT	41377				66.4										
211+90.97 to 212+88.95		LT	30704				64.2										
211+95.17 to 212+12.37		RT	4696				10.7										
212+33.85 to 212+88.95		RT	30709				30.7										
728+62.57 to 729+44.08		LT	4588				45.1										
728+68.07 to 729+25.90		RT	4607				36.4										
729+51.90 to 729+75.00		RT	4600				12.8										
729+64.08 to 730+00.00		LT	4595				20.0										
208+80.00 to 210+60.00		LT	40656						39.8						MEDIAN		
208+88.14 to 209+31.80		LT	5439						35.5						DRIVEWAY		
210+60.35 to 210+83.30		RT	15716						21.7								
210+46.76 to 211+01.10		LT	34514						59.3								
211+55.62 to 211+90.97		LT	15706						39.9								
211+65.18 to 211+95.17		RT	15726						30.3								
211+88.00 to 214+62.00		RT	40663						61.0						MEDIAN		
212+02.48 to 212+43.72		RT	30724						44.4						DRIVEWAY		
729+15.90 to 729+61.90		RT	5490						75.8						DRIVEWAY		
729+34.08 to 729+74.08		LT	5463						30.7								
210+73.29 to 210+78.50		LT	34538								8.0						
210+74.82 to 210+81.24		RT	15662								18.9						
210+95.88 to 210+99.58		LT	34543								9.5						
211+59.43 to 211+64.01		LT	15657								9.8						
211+65.60 to 211+68.58		RT	4150								9.5						
211+78.14 to 211+83.18		RT	4765								9.6						
211+78.64 to 211+83.87		LT	15652								9.8						
SUB-TOTAL:						441.1			438.4		75.1						
TOTAL:						441			438		75						

DATE	DESCRIPTION	PREVIOUS DATE	DESCRIPTION

consor		ST. LUCIE COUNTY BOARD OF COUNTY COMMISSIONERS		SUMMARY OF QUANTITIES	SHEET NO. SQ-6
2041 Vista Parkway, Suite 101 West Palm Beach, Florida 33411 Phone: (561) 835-9200 Fax: (561) 835-9201		PRIMA VISTA BOULEVARD MEDIAN IMPROVEMENTS			

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

3/17/2024 7:35:00 PM J:\EQUUS

SUMMARY OF PERFORMANCE TURF													
LOCATION STA. TO STA.		SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD)			DESIGN NOTES	CONSTRUCTION REMARKS			
						0570	1	2					
						SY							
		P	F										
204+92.50 to 208+80.00		LT/RT	6907				494.6						
208+29.91 to 209+19.97		RT	37090				16.2						
208+29.96 to 209+20.07		RT	37083				10.3						
209+21.57 to 210+74.78		LT	36853				17.8						
209+21.61 to 210+62.57		LT	36999				64.7						
209+24.65 to 210+73.23		LT	36955				33.1						
209+66.61 to 209+68.63		RT	37066				1.4						
209+73.41 to 209+75.40		RT	37078				1.4						
210+60.35 to 210+76.47		RT	37033				5.9						
210+60.35 to 210+77.42		RT	37013				3.0						
210+76.59 to 210+94.89		LT	37142				4.2						
210+77.52 to 210+93.86		LT	37123				7.7						
211+61.86 to 211+89.19		LT	37104				4.6						
211+62.90 to 211+89.19		LT	37113				9.2						
211+70.97 to 212+12.41		RT	37205				7.2						
211+71.93 to 212+10.44		RT	37187				15.8						
212+33.80 to 212+88.95		RT	37170				6.9						
212+33.87 to 212+88.95		RT	37097				33.5						
212+35.76 to 212+88.99		RT	37180				12.8						
214+62.00 to 217+82.50		LT/RT	6898				406.6						
728+59.66 to 729+44.27		LT	37290				5.3						
728+60.23 to 729+25.90		RT	20326				7.1						
728+60.24 to 729+19.65		RT	20426				13.0						
728+63.31 to 729+44.08		LT	37300				24.4						
728+69.28 to 729+25.90		RT	37307				45.7						
729+51.90 to 729+75.00		RT	19381				1.0						
729+51.90 to 730+28.36		RT	37347				134.5						
729+63.43 to 730+00.00		LT	19349				1.8						
729+64.09 to 730+26.04		LT	37333				28.3						
				SUB-TOTAL:		1418.0							
				TOTAL:		1418							

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

ST. LUCIE COUNTY BOARD OF COUNTY COMMISSIONERS		SUMMARY OF QUANTITIES		SHEET NO.
PRIMA VISTA BOULEVARD MEDIAN IMPROVEMENTS				SQ-7



2041 Vista Parkway, Suite 101
West Palm Beach, FL 33411
Phone (561) 260-0583
Fax (561) 260-0584

James R. Collier, P.E. No. 821864
1/15/2023 2:26:24 PM "Joe Bill"

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

pwva-american-pw-jan-ley.com



441 W. Main Street, Suite 201
West Plains, MO 65755
Phone (661) 263-8860

James R. Celler, P.E. No. 82164

ST. LUCIE COUNTY
BOARD OF COUNTY COMMISSIONERS

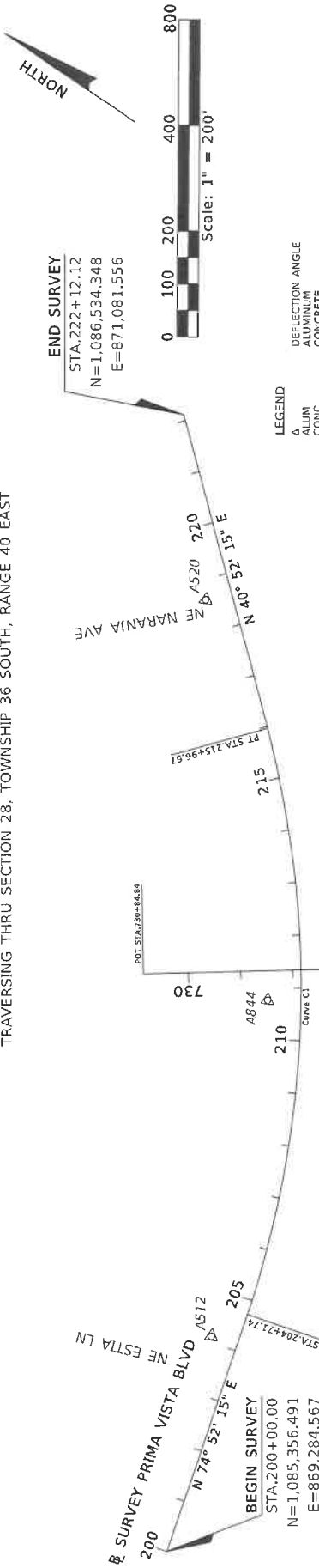
PRIMA VISTA BOULEVARD
MEDIAN IMPROVEMENTS

SUMMARY OF QUANTITIES

SHEET NO.
SQ-7

PROJECT CONTROL POINTS

TRAVERSING THRU SECTION 28, TOWNSHIP 36 SOUTH, RANGE 40 EAST



NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 54-17.002, F.A.C.

- LEGEND
- A DEFLECTION ANGLE
 - ALUM ALUMINUM
 - CONC CONCRETE
 - D DEGREE OF CURVE
 - FLOR FLORIDA DEPARTMENT OF TRANSPORTATION
 - INC INCORPORATED
 - L LENGTH
 - LB LICENSED BUSINESS
 - N/A NOT APPLICABLE
 - NS NORTH
 - NO NORTH ARROW
 - PC POINT OF CURVATURE
 - PI POINT OF INTERSECTION
 - POT POINT OF TANGENCY
 - PSM PROFESSIONAL SURVEYOR & MAPPER
 - R RADIUS
 - SR STATE ROAD
 - STA STATION
 - TANG TANGENT
 - US UNITED STATES

LIMITS: PRIMA VISTA BLVD, 1000' EAST AND WEST OF FLORESTA DR.

SURVEYOR'S CERTIFICATION
I HEREBY CERTIFY THIS SPECIFIC PURPOSE SURVEY WAS MADE FOR THE PURPOSE OF SURVEYING, REFERENCE, DESCRIBING AND MAPPING THE PROJECT CONTROL POINTS OR BASELINE FOR THE TRANSPORTATION FACILITY DEPICTED HEREON AND THAT SAID SURVEY WAS DONE UNDER MY RESPONSIBLE CHARGE AND MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 51 17 FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.027 FLORIDA STATUTES. THIS MAP CONSISTING OF SHEET 1 OF 1 IS A TRUE, ACCURATE AND COMPLETE DEPICTION OF THE RESULTS OF A FIELD SURVEY PERFORMED BY THE FDOT DISTRICT 4, SURVEY OFFICE AND COMPLETED ON NOV. 5, 2020.
SURVEYOR: ADAM C. DAO PSM NUMBER 6899

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Digitally signed by Adam C Dao
Date: 2022.07.01 14:45:27 -04'00'

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE ELECTRONIC SIGNATURE IS THE ONLY VALID ONE ON ELECTRONIC DOCUMENT.



1) BEARINGS AND DISTANCES ARE RELATIVE TO THE STATE PLANE COORDINATE SYSTEM, FLORIDA EAST ZONE TRANSVERSE MERCATOR PROJECTION, NORTH AMERICAN DATUM (N.A.D.) 1983 (2011 ADJUSTMENT). A BEARING OF N 55°27'27" E HAS BEEN ESTABLISHED BETWEEN MONUMENTS A512 TO A520.

2) THE PROJECT BASELINE IS SHOWN FOR COMPUTATIONAL PURPOSES ONLY AND DOES NOT, IN ALL AREAS, REPRESENT THE RIGHT OF WAY. PROJECT CONTROL POINTS SHOULD BE USED TO ESTABLISH A POSITION RELATIVE TO SAID CALCULATED BASELINE WHICH WAS NOT MONUMENTED AS A PART OF THIS SURVEY.

3) VERTICAL DATUM IS BASED ON NORTH AMERICAN VERTICAL DATUM (N.A.V.D.) 1988 AND IS REFERENCED TO POINTS BM 5029 & BM PSL1377, AS PUBLISHED BY THE CITY OF PORT SAINT LUCIE.

4) PROJECT UNITS: U.S. SURVEY FOOT

5) FIELD BOOK REFERENCES: 20-190

6) ELECTRONIC DATABASE: JOBRW1.GPK

PROJECT NETWORK CONTROL TABULATION SHEET DETAILS

POINT NAME	EASTING	NORTHING	SCALE FACTOR	LATITUDE	LONGITUDE	BASELINE STATION	OFFSET	ELEVATION	DESCRIPTION
A512	869668.291	1085513.097	0.99999343	27°19'06.59942"	80°20'32.88380"	204+11.30	51.03 LT	N/A	FND 5/8" IRON ROD AND CAP STAMPED LB 7025
A520	870815.169	1086302.579	0.99999400	27°19'14.35723"	80°20'20.12257"	218+62.54	49.78 LT	N/A	FND 4X4 CONCRETE MONUMENT
A842	870527.701	1085561.750	0.99999385	27°19'07.03629"	80°20'23.35309"	211+71.28	272.12 RT	10.98	SET 5/8" IRON ROD & CAP STAMPED BOWMAN CG LB8030
A844	870253.682	1085780.040	0.99999372	27°19'09.21223"	80°20'26.37822"	210+76.19	63.65 LT	11.51	SET 5/8" IRON ROD & CAP STAMPED BOWMAN CG LB8030

REVISIONS		DESCRIPTION	
DATE	BY	DATE	BY
ADAM C. DAO, PSM		CITY OF PORT ST. LUCIE	
SURVEYOR LICENSE NUMBER 6899		PORT ST. LUCIE, FL 34944	
BOWMAN CONSULTING GROUP, LTD., INC.		COUNTY	
301 SE OCEAN BLVD, SUITE 301		FINANCIAL PROJECT ID	
STUART, FLORIDA 34996		ROAD NO.	
CERTIFICATE OF AUTHORIZATION LB8030		ST. LUCIE	
		PROJECT CONTROL	
		SHEET NO.	
		CTL 1	

VERIFIED UTILITY LOCATE

Veh #	UTILITY DESCRIPTION (Owner, type)	SIZE	MATERIALS	SURVEY DATA		EXISTING GROUND ELEVATION	TOP OF UTILITY ELEVATION	COMMENTS
				STATION	OFFSET			
TH1	NO UTILITY FOUND	SEE NOTE	N/A	208+30.03	35.93	RT 12.04	4.04	CLEARING LOCATION - NO UTILITY FOUND AT THIS LOCATION
TH1A	AT&T TELEPHONE	SEE NOTE	PVC	208+28.61	51.76	RT 12.08	8.53	
TH2	NO UTILITY FOUND	SEE NOTE	N/A	210+82.53	56.63	RT 11.33	9.26	CLEARING LOCATION - NO UTILITY FOUND AT THIS LOCATION
TH2A	CONCAST. CATV	SEE NOTE	HOPE	210+82.59	57.33	LT 11.59	7.59	CLEARING LOCATION - NO UTILITY FOUND AT THIS LOCATION. HIT SOLID ROCK/GROUND AT +4.00'
TH3	NO UTILITY FOUND	SEE NOTE	N/A	211+74.37	57.33	LT 11.59	7.59	HUB SET OVER EASTERN MOST CABLE.
TH3A	AT&T TELEPHONE	(24"	PVC	211+71.56	60.23	LT 11.61	9.11	
TH3B	AT&T TELEPHONE	(24"	PVC	211+71.70	56.74	LT 11.35	8.95	
TH3C	UNKNOWN UTILITY	6"	HOPE	211+73.84	53.23	LT 11.45	9.25	
TH3D	CITY OF FSL, TRAFFIC CONTROL	2"	PVC	211+75.40	53.38	LT 11.34	10.34	
TH4	AT&T TELEPHONE	(414"	PVC	211+81.39	48.42	RT 11.33	7.83	HUB SET OVER SOUTHERN MOST CABLE.
TH4A	AT&T TELEPHONE	(414"	PVC	211+77.64	48.20	RT 11.35	7.40	HUB SET OVER SOUTHERN MOST CABLE.
TH4B	AT&T TELEPHONE	(414"	PVC	211+85.99	48.43	RT 11.19	7.99	HUB SET OVER NORTHERN MOST CABLE.
TH5	NO UTILITY FOUND	SEE NOTE	N/A	210+71.38	57.87	RT 11.59	3.59	CLEARING LOCATION - NO UTILITY FOUND AT THIS LOCATION
TH5A	NO UTILITY FOUND	SEE NOTE	N/A	210+75.85	57.35	RT 11.47	7.07	GPA INDICATED AN IMAGE AT THIS LOCATION. HOWEVER, NO UTILITY FOUND
TH5B	NO UTILITY FOUND	SEE NOTE	N/A	210+87.02	57.18	RT 11.54	8.24	GPA INDICATED AN IMAGE AT THIS LOCATION. HOWEVER, NO UTILITY FOUND

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

LEGEND:

&
B/L BASELINE
BT BURIED TELEPHONE
C/C CENTERLINE
D/C DUCTILE IRON CONDUIT
DIP DUCTILE IRON PIPE
ELECTRO. ELECTROMAGNETIC
FOOT FLORIDA DEPARTMENT OF TRANSPORTATION
FM FORCE MAIN
GPR GROUND PENETRATING RADAR
HDP HIGH DENSITY POLYETHYLENE
HOPE HOPE
LT LEFT
N/A NOT APPLICABLE
PC/MC POURED CONCRETE
PSM PROFESSIONAL SURVEYOR AND MAPPER
PVC POLYETHYLENE CHLORIDE
RT RIGHT
S.U.E. SUBSURFACE UTILITY ENGINEERING
S.R. STATE ROAD
TH TEST HOLE
UNKN UNKNOWN
V/VH VERIFIED VERTICAL ELEVATION and HORIZONTAL LOCATION
W/ WITH

S.U.E. NOTES:
1. OWNERSHIP IS BASED UPON OBSERVING VISIBLE ABOVE GROUND UTILITY FEATURES AND PROFESSIONAL JUDGEMENT. RECORDS WERE PROVIDED BY THE CITY OF PORT ST. LUCIE.
SURVEYOR'S NOTES:

- HORIZONTAL INFORMATION IS RELATIVE TO THE STATE PLANE COORDINATES, FLORIDA EAST ZONE.
- NORTH AMERICAN DATUM (NAD) OF 1983 / 2011 ADJUSTMENT.
- VERTICAL INFORMATION IS RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.
- PROJECT UNITS: U.S. SURVEY FEET
- BASELINE OF SURVEY, PREFORMED AND SUBMITTED BY BOWMAN.
- THIS SPECIFIC PURPOSE SURVEY IS TO DETERMINE THE HORIZONTAL AND VERTICAL LOCATION OF THE VACUUM TEST HOLES AS MARKED ON THE SURFACE BY THE SUBSURFACE UTILITY ENGINEERING DEPARTMENT OF BOWMAN. THE SIGNING SURVEYOR IS CERTIFYING ONLY TO THE LOCATION OF THE TEST HOLES AS MARKED ON THE SURFACE.

LIMITS: VARIOUS LOCATIONS ALONG FLORESTA DRIVE FROM JUST NORTH OF ELKCAM WATERWAY TO PRIMA VISTA BLVD.

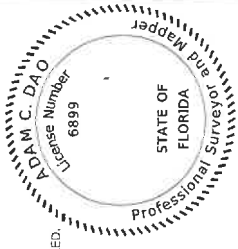
SURVEYOR'S CERTIFICATION:
I HEREBY CERTIFY THIS SPECIFIC PURPOSE SURVEY WAS MADE FOR THE PURPOSE OF SURVEYING, REFERENCING, DESCRIBING AND MARKING THE UTILITY VACUUM EXCAVATIONS, AS MARKED ON THE SURFACE. FOR THE CITY OF PORT ST. LUCIE DEPICTED HEREON AND THAT SAID SURVEY WAS DONE UNDER MY RESPONSIBLE CHARGE AND MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 51-17 FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.027 FLORIDA STATUTES. THIS MAP CONSISTING OF SHEET UTV-1 IS A TRUE, ACCURATE AND COMPLETE DEPICTION OF THE RESULTS OF A FIELD SURVEY PERFORMED UNDER MY DIRECTION AND COMPLETED ON APRIL 14, 2021.

SURVEYOR: ADAM C. DAO PSM NUMBER: 6899

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.

Digitally signed by Adam Dao

Date: 2021.04.15 09:33:29 -0400
THE ABOVE NAMED PROFESSIONAL SURVEYOR & MAPPER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 51-17.062, F.A.C.



SHEET NUMBER	INDEX OF SURVEY PLANS	SHEET DESCRIPTION
UTV-1		VERIFIED UTILITY LOCATE

DATE		BY	DESCRIPTION		REVISIONS		DATE		BY	DESCRIPTION	
ADAM C. DAO, PSM SURVEYOR LICENSE NUMBER 6899 BOWMAN CONSULTING GROUP, LTD., INC. 301 SE OCEAN BLVD, SUITE 301 STUART, FLORIDA 34994 CERTIFICATE OF AUTHORIZATION LB8030											
											
CITY OF PORT ST. LUCIE 121 S.W. PORT ST. LUCIE BLVD. PORT ST. LUCIE, FL 34984											
ROAD											
COUNTY											
PRIMA VISTA											
ST. LUCIE											
VERIFIED UTILITY LOCATE											
SHEET NO.											
UTV-1											

SIGNING AND PAVEMENT MARKINGS: TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS						TOTAL THIS SHEET		GRAND TOTAL	
			S-4		S-5		S-6		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
0700 1112	SINGLE COLUMN GROUND SIGN ASSEMBLY, F&I GROUND MOUNT, 12.0-20.0 SF	EA	1				1		2		2	
0705 10 1	OBJECT MARKER, TYPE 1	EA	1				1		2		2	
0705 11 1	DELINATOR, FLEXIBLE TUBULAR	EA	1				1		2		2	
0706 1 3	RAISED PAVEMENT MARKINGS, TYPE B	EA	49		2				2		2	
0710 11 290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	11		116		47		212		212	
0710 90	PAINTED PAVEMENT MARKINGS (FINAL SURFACE)	LS	11		5		11		27		27	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	0.148		0.442		0.138		0.728		0.728	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM			0.084		0.001		0.085		0.085	
*	PAINTED PAVEMENT MARKINGS, STANDARD-OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP OR 3-9 LANE DROP	GM	0.154		0.182		0.144		0.480		0.480	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK 12"	LF	87		677		94		798		798	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF			11				11		11	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROW	EA			13				13		13	
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	0.153		0.290		0.144		0.587		0.587	
*	PAINTED PAVEMENT MARKINGS, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"	GM	0.046				0.046		0.092		0.092	
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK	LF	87		677		94		798		798	
0711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF			36				36		36	
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	13		126		15		153		153	
0711 11141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM			0.084		0.001		0.085		0.085	
0711 11170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA			13				13		13	
0711 11241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 5"	EA			0.082				0.082		0.082	
0711 14125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF			311				311		311	
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.148		0.311		0.138		0.511		0.511	
0711 16131	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP OR 3-9 LANE DROP	GM	0.154		0.192		0.144		0.480		0.480	
0711 16201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.153		0.290		0.144		0.587		0.587	
0711 16231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"	GM	0.046				0.046		0.092		0.092	

* THESE QUANTITIES ARE PAID FOR UNDER THE PAINTED PAVEMENT MARKINGS (FINAL SURFACE), LUMP SUM - ITEM NO. 710-90. THE QUANTITIES SHOWN ARE FOR ONE APPLICATION; SEE SPECIFICATION 710 FOR THE NUMBER OF APPLICATIONS REQUIRED.

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION	ST. LUCIE COUNTY BOARD OF COUNTY COMMISSIONERS PRIMA VISTA BOULEVARD MEDIAN IMPROVEMENTS	TABULATION OF QUANTITIES	SHEET NO. S-2

17C-814006


2601 Vista Parkway, Suite 101
West Palm Beach, Florida 33411
Phone: (561) 253-6550
James R. Celler, P.E. No. 82194

1/12/2024 1:12:27 PM 17C-814006

per:\americas-pw\lan16\com\american-pw\document\5177-01-city-of-st-lucie\projects\17C-814006\signing\TAB05\0101gn

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SIGNING AND PAVEMENT MARKING GENERAL NOTES

1. SHALL NOTIFY THE APPROPRIATE UTILITY COMPANY FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY EXCAVATION INVOLVING ITS UTILITIES SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS SHALL BE DETERMINED BY THE TIME OF INSTALLATION.

DATE	REVISIONS		DESCRIPTION
	DESCRIPTION	DATE	

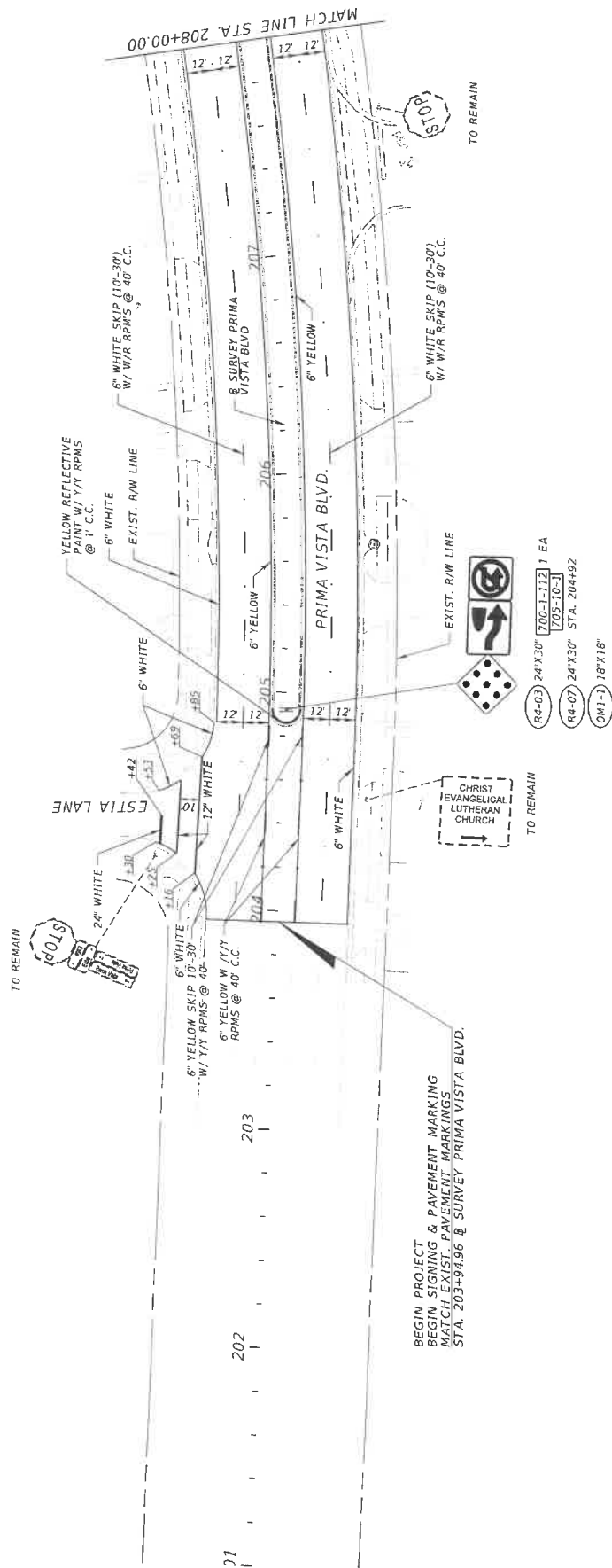


2041 Vista Parkway, Suite 101
West Palm Beach, FL 33411
Phone: (561) 835-6555
Fax: (561) 835-6556
John B. Collins, P.E. No. 82184

ST. LUCIE COUNTY
BOARD OF COUNTY COMMISSIONERS
PRIMA VISTA BOULEVARD
MEDIAN IMPROVEMENTS

GENERAL NOTES

SHEET NO. 5-3



DATE		REVISIONS		DESCRIPTION		DATE		DESCRIPTION	



consor
 2041 Vista Parkway, Suite 101
 West Chester, OH 41091
 Phone (561) 252-9550

Jaimie P. Collier, P.E. No. 82194
 03/27/2024 12:52 PM (gpb)

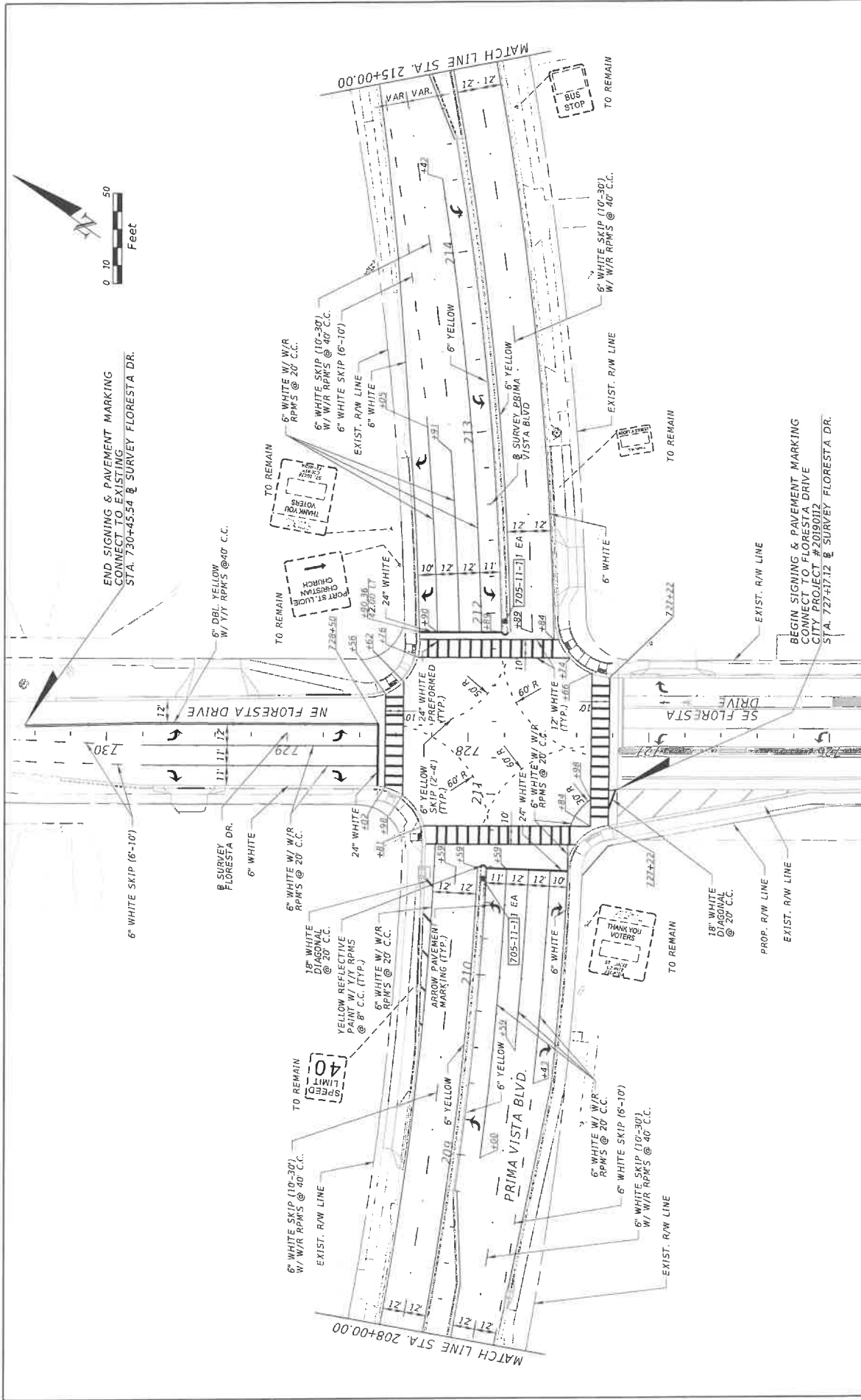
ST. LUCIE COUNTY
BOARD OF COUNTY COMMISSIONERS

**PRIMA VISTA BOULEVARD
 MEDIAN IMPROVEMENTS**

SIGNING AND PAVEMENT MARKING PLAN

SHEET NO. S-4

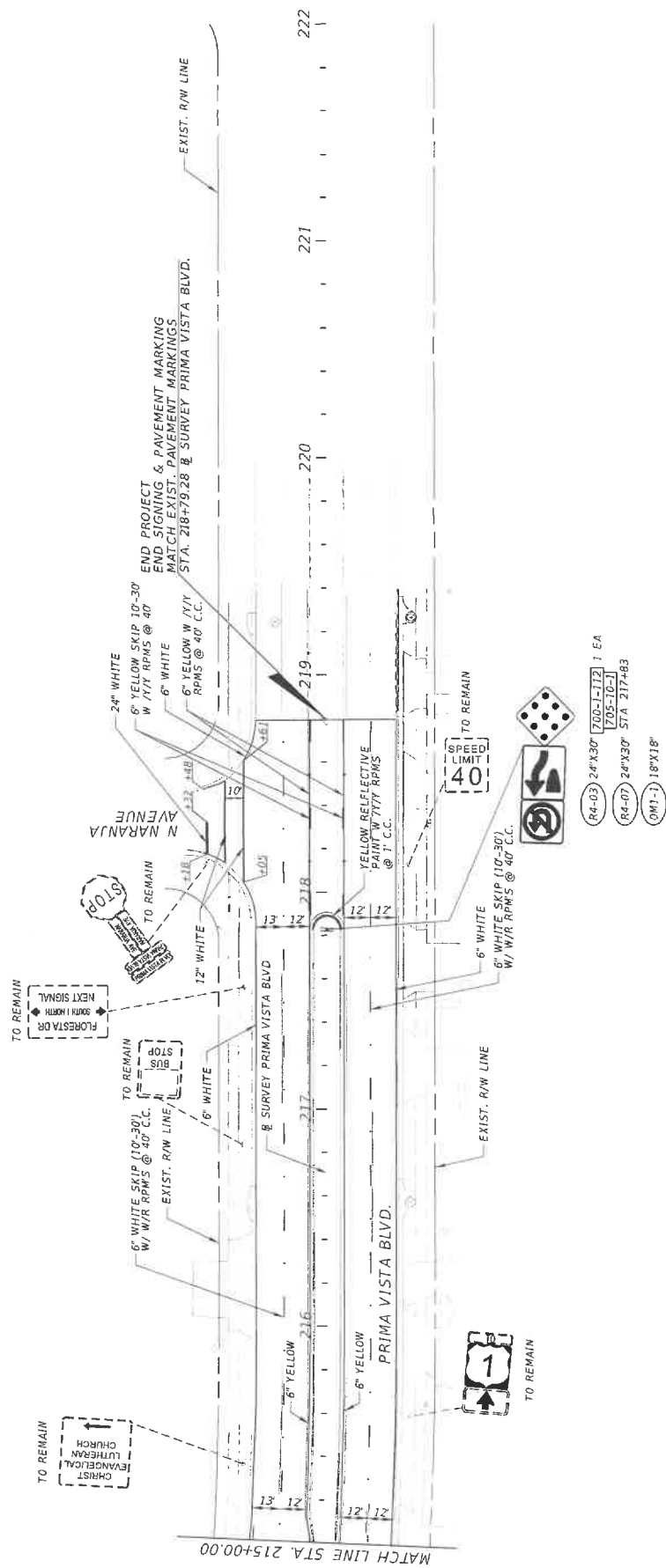
Project Name: PRIMA VISTA BOULEVARD MEDIAN IMPROVEMENTS
 Project Number: 2024-001
 Drawing Number: 2024-001-S-4
 Date: 03/27/2024
 Drawn by: gpb
 Checked by: JPC
 Approved by: JPC
 Title: PROJECT ENGINEER
 License Number: 82194
 State: FLORIDA



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION	SHEET NO.
					5-5
2041 Vista Parkway, Suite 301 West Palm Beach, Florida 33411 Phone: (561) 253-4550 Jaimie R. Geller, P.E. No. 05194				ST. LUCIE COUNTY BOARD OF COUNTY COMMISSIONERS PRIMA VISTA BOULEVARD MEDIAN IMPROVEMENTS	
				SIGNING AND PAVEMENT MARKING PLAN	

FIG 3-10010E 1/15/2024 11:23:14 AM 10-80

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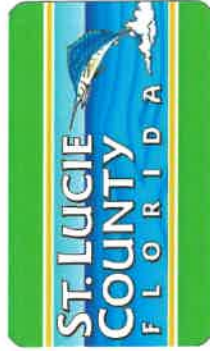


DATE	REVISIONS		DESCRIPTION	DESCRIPTION	 2041 Vista Parkway, Suite 101 West Plains, Missouri 65757 Phone (467) 255-2640	ST. LUCIE COUNTY BOARD OF COUNTY COMMISSIONERS PRIMA VISTA BOULEVARD MEDIAN IMPROVEMENTS	SIGNING AND PAVEMENT MARKING PLAN	SHEET NO.
	DATE							
DATE	REVISIONS							S-6

BOARD OF COUNTY COMMISSIONERS
ST. LUCIE COUNTY, FLORIDA
ENGINEERING DIVISION

PROPOSED PLANS FOR
COUNTY PROJECT NO. 20401

PRIMA VISTA BLVD. AND FLORESTA DRIVE
SIGNALIZATION PLANS

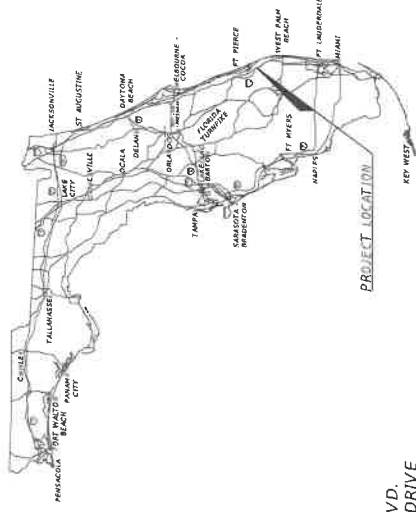


INDEX OF SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2	TABULATION OF QUANTITIES
T-3 TO T-6	GENERAL NOTES
T-7	SIGNALIZATION PLAN
T-8	STANDARD MAST ARM TABULATION
T-9	STANDARD MAST ARM DATA TABLE
T-10	GUIDESIGN WORKSHEET

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
STANDARD SPECIFICATIONS FOR
BRIDGE CONSTRUCTION DATED FY 2024-25,
AS AMENDED BY CONTRACT DOCUMENTS.

PLANS PREPARED BY:



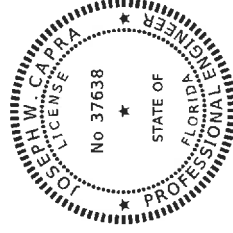
BOARD OF COUNTY COMMISSIONERS

CHRIS DZADOVSKY
LARRY LEFT
JIMMY WILSON
JAMIE FOWLER
CATHY TOWNSEND

COUNTY ADMINISTRATOR

GEORGE LANDRY
PATRICK DAYAN, P.E.
DAN ZHALACK, P.E.
EDMUND BAS, P.E.

COUNTY ADMINISTRATOR
PUBLIC WORKS DEPARTMENT
DIRECTOR OF PUBLIC WORKS
COUNTY ENGINEER
ST. LUCIE COUNTY
PROJECT MANAGER



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY
Joseph W
Capra
2024.05.06
15:30:15 -04'00'
ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE
NOT CONSIDERED SIGNED AND SEALED
AND THE SIGNATURE MUST BE VERIFIED
ON ANY ELECTRONIC COPIES.

Joseph W. Capra, P.E. No. 37638
CAPTEC ENGINEERING, Inc.
301 NW Flagler Ave.
Stuart, FL 34994
Phone: (772) 692-4344

NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION

FISCAL YEAR	SHEET NO.
24	T-1

TABULATION OF QUANTITIES

TABULATION OF QUANTITIES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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ST. LUCIE COUNTY

FLORIDA

311 NW Fuller Ave

Stuart, Florida 34984

Phone: (888) 824-3444

Fax: (888) 824-3444

J. B. Smith, P.E.

P.E. NO. 37638

Engineering Business

No. EB-0007657

Capitol

Engineering Professionals

PRIMA VISTA BLVD.

ROAD NO.

PRIMA VISTA BLVD.

ST. LUCIE COUNTY

5/16/2024 3:27:39 PM

Mark Bidwell

TABULATION OF QUANTITIES

SHEET NO.

T-2

ST LUCIE COUNTY - TRAFFIC SIGNAL GENERAL NOTES		ST LUCIE COUNTY TRAFFIC SIGNALIZATION		Anthony Spataro	(772) 462-1932
		ST LUCIE COUNTY WATER WATER & SEWER		James Lappert	(772) 538-7539
1. ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING: MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD); FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (STANDARD SPECIFICATIONS) FY 2024-25; FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FY 2023-24. ALL SUPPLEMENTS THERETO; NATIONAL ELECTRIC CODE; ST LUCIE COUNTY TRAFFIC SIGNAL SPECIFICATIONS; AND ANY OR ALL ST LUCIE COUNTY TRAFFIC ENGINEERING DIVISION REQUIREMENTS.					
2. THE AGENCY RESPONSIBLE FOR MAINTENANCE OF THE TRAFFIC SIGNAL AND RELATED COMMUNICATIONS EQUIPMENT IS ST LUCIE COUNTY TRAFFIC ENGINEERING DIVISION (SLCTED) (772) 462-1932. ALL TRAFFIC SIGNAL AND RELATED COMMUNICATIONS EQUIPMENT WHEN USING PAY ITEM SERIES: 632, 634, 635, 660, 670, 684 AND 685 FOR THIS CONTRACT SHALL BE COMPATIBLE WITH SLCTD CENTRAL COMPUTER NETWORK SYSTEM. PRIOR TO ANY PURCHASING OF THE ABOVE PRODUCTS, ENSURE THEY HAVE BEEN APPROVED FOR SYSTEM COMPATIBILITY BY THE MAINTAINING AGENCY.					
3. SLCTD SHALL BE NOTIFIED AT (772) 462-1932 AT LEAST TWO (2) FULL BUSINESS DAYS PRIOR TO ANY WORK BEING PERFORMED AT A SIGNALIZED LOCATION IN ORDER TO PROPERLY TRANSFER MAINTENANCE RESPONSIBILITIES.					
4. THE CONTRACTOR SHALL DELIVER ALL REMOVED TRAFFIC SIGNAL EQUIPMENT, EXCEPT CONCRETE STRAIN POLES, TO SLCT ROAD AND BRIDGE LOCATED AT 3077 OLEANDER AVE, FT PIERCE FL 34982 (772) 462-1932. THE COST OF DELIVERY TO SLCTD SHALL BE INCLUDED IN THE REMOVAL OF THE RELATED SIGNAL PAY ITEM. THE CONTRACTOR SHALL CONTACT THE SLCTD SEVEN (7) FULL BUSINESS DAYS PRIOR TO THE DELIVERY OF ANY REMOVED EQUIPMENT. CONTRACTOR IS RESPONSIBLE FOR CONCRETE STRAIN POLE DISPOSAL AT THE CONTRACTOR'S EXPENSE.					
5. THE CONTRACTOR SHALL BE ADVISED THAT OTHER PROJECTS MAY BE UNDER CONSTRUCTION CONCURRENTLY WITH THIS PROJECT AND THAT COORDINATION EFFORTS MAY BE NECESSARY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE CONSTRUCTION SCHEDULE AND FOR THE AMOUNT OF COORDINATION REQUIRED. THE COST SHALL BE INCLUDED IN THE BID.					
6. LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF THE PREPARATION OF THESE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS AND OTHER FEATURES AFFECTING HIS/HER WORK PRIOR TO CONSTRUCTION, AND NOTIFY THE ENGINEER IMMEDIATELY AND PRIOR TO ANY FURTHER RELATED WORK ACTIVITY WHEN CONFLICT BETWEEN DRAWINGS AND ACTUAL CONDITIONS ARE DISCOVERED.					
7. THE CONTRACTOR SHALL CALL SUNSHINE STATE ONE-CALL AT 1-800-432-4770 FOR LOCATIONS OF UTILITIES WITHIN THE AREAS(S) OF CONSTRUCTION FOR THIS PROJECT A MINIMUM OF TWO (2) FULL BUSINESS DAYS PRIOR TO ANY DIGGING OR EXCAVATION ACTIVITIES. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE TO CONTACT ANY UTILITY OWNER(S) THAT MY NOT BE A "SUNSHINE" MEMBER.					
8. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE LOCATION AND PROTECTION, REPAIR AND/OR REPLACEMENT OF ALL UTILITIES THAT MAY BE AFFECTED BY THE CONSTRUCTION OF THIS PROJECT. EXISTING UTILITIES SHALL BE MAINTAINED IN SERVICE DURING CONSTRUCTION UNLESS OTHERWISE APPROVED BY THE UTILITY OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ANY REQUIRED UTILITY RELOCATIONS.					
9. THE CONTRACTOR SHALL NOTIFY ALL INVOLVED UTILITIES TWO (2) FULL BUSINESS DAYS IN ADVANCE, BEFORE SETTING TRAFFIC SIGNAL POLES OR PERFORMING ANY DIGGING OR OTHER EXCAVATION WORK, SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR. KNOWN UTILITY COMPANIES INCLUDE:					
COMPANY	FACILITIES	TELEPHONE NUMBER			
AT&T	TELEPHONE	(877) 648-4734			
CITY GAS COMPANY OF FLORIDA	GAS	(877) 945-7891			
FLORIDA POWER & LIGHT	ELECTRIC	(772) 462-0555			
REVISIONS					
DATE	DESCRIPTION				
		PRIMA VISTA BLVD.		COUNTY	
		PRIMA VISTA BLVD.		ST. LUCIE COUNTY	
		301 NW Hogler Ave Suwanee, Florida 34584 Phone: (772) 882-4344 Jesse W. Caplan, P.E. P.E. NO. 37638 Engineering Business No. EB-0007657		316.6824 327612 PM	
		Caplan Engineering Professional		Hart, Baldwin	
		ST LUCIE COUNTY FLORIDA		P:\1806\18062-2 - Flores at Prima Vista (SCLD)\DWG\SIGNAL\SIGNNOTES.dwg	
		GENERAL NOTES		SHEET NO. T-3	

DATE

REVISIONS

DESCRIPTION

ST. LUCIE COUNTY

PRIMA VISTA BLVD.

ST. LUCIE COUNTY

351 NW Flagler Ave
Suwannee, Florida 32404
Phone: (772) 992-4344
Fax: (772) 992-4344
P.E. NO. 37638
Engineering Business
No. EB-0007657



ST. LUCIE COUNTY

FLORIDA

PRIMA VISTA BLVD.

ROAD NO.

COUNTY

GENERAL NOTES

T-4

ST. LUCIE COUNTY – TRAFFIC SIGNAL GENERAL NOTES

24. IN ACCORDANCE WITH FDOT STANDARDS & SPECIFICATIONS, THE CONTRACTOR SHALL PROVIDE THE ASSOCIATED TRAFFIC SIGNAL MANUFACTURER WARRANTIES FOR THE ASSOCIATED MATERIALS AND/OR EQUIPMENT PRIOR TO THE FINAL ACCEPTANCE OF THE TRAFFIC SIGNAL.

A. POWER SERVICE

1. POWER SERVICES SHALL FOLLOW THE LATEST FDOT STANDARD PLANS INDEX 639-002.

2. POWER SERVICES ARE TO BE 120/240 VAC WITH TRIPLEX SERVICE DROP WIRE.

3. FLORIDA POWER & LIGHT POWER SUPPLIED INSTALLATIONS REQUIRE A METER CAN.

4. MAST ARM POWER SERVICES SHALL BE MOUNTED ON A STUB POLE.

5. CONCRETE STRAIN POLE INSTALLATIONS SHALL HAVE THE POWER SERVICE MOUNTED ON THE STRAIN POLE.

B. TRAFFIC SIGNAL CONTROLLER

1. SHALL BE COMPATIBLE WITH ECONOLITE SYSTEM SOFTWARE.

2. SHALL HAVE INTERNAL TIME-BASED CAPABILITIES

3. SHALL HAVE INTERNAL RAILROAD PREEMPTION WITH IMMEDIATE RETURN TO COORDINATION.

4. SHALL HAVE A REMOVABLE EEPROM WITH DOWNLOAD AND UPLOAD CAPABILITIES.

C. TRAFFIC SIGNAL COMMUNICATIONS INTERCONNECT

VARIANCE TO COMMUNICATION INTERCONNECT DUE TO DESIGN CRITERIA WOULD REQUIRE PRIOR APPROVAL FROM ST. LUCIE COUNTY.

1. TWO (2) 2" CONDUITS SHALL BE INSTALLED WITH ALL INTERCONNECT RUNS.

2. PULL BOXES CONTAINING INTERCONNECT ARE TO BE INSTALLED AT NO MORE THAN 1000 FOOT INTERVALS MARKED "TRAFFIC SIGNAL" (FDOT STANDARD PLANS INDEX 635-001).

3. FIBER OPTIC INTERCONNECT RUNS SHALL HAVE A SLACK/SPICE BOX AT ALL SIGNALIZED INTERSECTIONS MARKED "FIBER OPTICS". SLACK/SPICE BOXES SHALL CONTAIN A MINIMUM OF 100 FEET OF FIBER OPTIC CABLE SLACK (FDOT STANDARD PLANS INDEX 635-001) AND SHALL BE LOCATED AT NO MORE THAN 1/2-MILE INTERVALS.

4. FIBER OPTIC CABLE SHALL BE 96 FIBER SINGLE MODE. A #14 AWG (OR IEC-APPROVED ALTERNATIVE) TRACE WIRE SHALL BE INSTALLED WITH THE FIBER RUN.

5. THE CONNECTION FROM THE SLACK/SPICE BOX TO THE SIGNAL CABINET (PIG TAIL) SHALL BE A 12-FIBER SINGLE MODE CABLE. FIBER IN THE CABINET SHALL BE TERMINATED IN A FIBER OPTIC TERMINAL PANEL.

6. IN THE CABINET, DATA CONVERSION WILL BE ACCOMPLISHED WITH RUGGEDCOM GIGABIT ETHERNET SWITCH OR IEC-APPROVED EQUIVALENT.

7. CONTRACTOR TO RECONNECT EXISTING ADAPTIVE SYSTEM PER C-1 THRU 6.

D. TRAFFIC SIGNAL MAST ARM

1. MAST ARMS SHALL FOLLOW THE LATEST FDOT STANDARD PLANS INDEXES 649-030 AND 649-031.

2. ALL MAST ARM POLES SHALL HAVE LED STREET LIGHTS 120-V 250-W

3. MAST ARM POLES ARE TO HAVE A TERMINAL COMPARTMENT IN PLACE OF A HAND HOLE, PER FDOT STD PLANS 649-031.

4. MAST ARM MOUNTING HEIGHT (MEASUREMENT UB PER FDOT STD PLANS 649-031) SHALL BE 19-FEET FOR HORIZ AND 20-FEET FOR VERTICAL MOUNTED SIGNALS, IN THE ABSENCE OF GEOMETRIC ABNORMALITIES.

5. ALL MAST ARMS SHALL BE GALVANIZED STEEL.

6. MAST ARMS ARE TO HAVE LED INTERNALLY-ILLUMINATED SINGLE-SIDED STREET NAME SIGNS WITH LOCAL STREET NAMES AND 1" WHITE BORDER. THE STREET NAME SIGNS ARE TO BE MOUNTED WITH FIXED BRACKETS ON THE ARM BETWEEN THE POLE AND THE FIRST TRAFFIC SIGNAL.

E. TRAFFIC SIGNAL POLES & SPAN WIRE

1. POLES SHALL FOLLOW THE LATEST STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD INDEX NO. 17725.

2. STRAIN POLES SHALL HAVE LED LUMINAIRES, BARRING OBSTRUCTIONS OR DESIGN CRITE

3. BOTH UPPER AND LOWER SPAN SHALL BE 7/16 INCH CABLE WIRE.

4. THE SIGNAL CABLE SHALL BE ATTACHED TO THE MESSENGER WIRE BY LASHING RODS.

F. TRAFFIC SIGNAL HEADS

1. TRAFFIC SIGNALS MOUNTED ON SPAN CABLE ARE TO BE LIGHTWEIGHT, (RED SECTION TO BE ALUMINUM AND ALL OTHER SECTIONS TO BE POLY PLASTIC), 12 INCH INDICATIONS.

2. TRAFFIC SIGNALS MOUNTED ON MAST SUPPORTS ARE TO BE ALL POLYCARBONATE 12-INCH INDICATIONS. THE STANDARD MOUNTING SHALL BE VERTICAL USING PELCO ASTRO BRAC OR IEC-APPROVED EQUIVALENT. SPAN MOUNT SIGNALS ARE TO BE MOUNTED VERTICAL. ALL VEHICLE SIGNAL HEADS ARE TO HAVE YELLOW RETRO-REFLECTIVE BACK PLATES.

3. TRAFFIC SIGNALS ARE TO BE SUPPLIED WITH ALL LED INDICATIONS, INCLUDING ALL ARROWS AND YELLOWS.

4. TRAFFIC SIGNALS ARE TO BE SUPPLIED WITH TUNNEL VISORS.

5. TRAFFIC SIGNALS AND ASSOCIATED ACCESSORIES, INCLUDING BUT NOT LIMITED TO BACKPLATES SHALL BE MCCAIN.

6. PEDESTRIAN SIGNALS ARE TO BE COUNT DOWN PEDESTRIAN SIGNALS WITH INTERNATIONAL-STYLE HAND/MAN (SYMBOLS) WITH FULL (NOT OUTLINE) LED INDICATIONS.

G. VIDEO DETECTORS

1. VIDEO DETECTION SYSTEM SHALL BE ECONOLITE LATEST TECHNOLOGY.

H. VIDEO SURVEILLANCE

1. VIDEO CAMERAS SHALL BE BOSCH PAN, TILT & ZOOM LATEST TECHNOLOGY OR IEC-APPROVED EQUIVALENT.

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ST LUCIE COUNTY – TRAFFIC SIGNAL GENERAL NOTES		PRIMA VISTA BLVD.		PRIMA VISTA BLVD.		ST. LUCIE COUNTY		GENERAL NOTES		SHEET NO. T-5					
PAY ITEM NOTES		351 NW Flagler Ave Stuart, Florida 34984 Phone: (772) 892-4344 JAMES W. GILBERT, P.E. P.E. NO. 37638 Engineering Business No. EB-0007657						3662824 32743 2N		P:\1800\1802.2 - Florida at Prima Vista (SLC)\DWG\SIGNAL\SIGNOTCS.dwg, 5/16/2024 3:27:43 PM, DWG TO PDF Pk3					
PAY ITEM NO. 101-1 INCLUDES ALL NECESSARY EQUIPMENT INCLUDING A TWO PERSON BUCKET TRUCK FOR USE BY THE ENGINEER OR COUNTY REPRESENTATIVE DURING INSPECTION OF TRAFFIC SIGNAL.		PAY ITEM NO. 102-1 INCLUDES ALL COSTS ASSOCIATED WITH FURNISHING, INSTALLING, MAINTAINING AND REMOVAL OF ALL ITEMS OF MAINTENANCE OF TRAFFIC NOT PAID FOR UNDER SEPARATE ITEMS.		PAY ITEM NO. 630-2-11 SHALL BE INSTALLED PER SECTION 630 OF FDOT'S STANDARD SPECIFICATIONS. ALL CONDUITS SHALL ENTER PULL BOXES AS REQUIRED IN FOOT STANDARD PLANS 630-001. ALL CONDUIT SHALL BE 2 INCH, SCHEDULE 40 PVC UNLESS SPECIFIED OTHERWISE IN THE PLANS OR SPECIFICATIONS.		PAY ITEM NO. 630-2-12 SHALL CONSIST OF MULTIPLE 2 INCH SCHEDULE 40 PVC SLEEVES PER BORE. SEE SPECIFIC PLAN SHEETS FOR NUMBER REQUIRED FOR THE BORE. ALL DIRECTIONAL BORING SHALL BE DONE IN CONFORMANCE WITH FOOT UTILITY ACCOMMODATIONS MANUAL REQUIREMENTS.		PAY ITEM NO. 632-2-1 SHALL BE INSTALLED PER FOOT STANDARD PLANS 635-001 AS APPLICABLE. THREE (3) SPARE CONDUCTORS PER SIGNAL CABLE ARE REQUIRED. SPARES SHALL BE GROUNDED TO THE BUS GROUNDING FACILITY IN THE CONTROLLER CABINET. THE CONTRACTOR SHALL VERIFY COLOR CODES WITH ST LUCIE COUNTY TRAFFIC ENGINEERING DIVISION FOR THE SIGNAL CONDUCTORS PRIOR TO ORDERING.		PAY ITEM NO. 635-2-11 SHALL BE INSTALLED IN ACCORDANCE WITH FOOT STANDARD PLANS 630-001, AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SIZE THE PULL BOXES SUCH THAT THEY WILL ALLOW PLACEMENT OF ALL CABLES INSIDE THE PULL BOXES WHILE MAINTAINING THE REQUIRED MINIMUM BENDING RADI ON THE CABLES AND NOT EXCEEDING THE MAXIMUM BENDING RADI OF THE CABLES. PULL BOX COVERS SHALL BE FOOT APPROVED OF NON-METALLIC CONSTRUCTION WITH RECESSED COVER LOGO "TRAFFIC SIGNAL" OR "FIBER OPTIC" AS APPROPRIATE. PULL BOXES SHALL BE QUARTZITE AND PLACED BEHIND CURB AND GUTTER. IF THERE IS NO CURB AND GUTTER, THE PULL BOXES SHALL BE PLACED A MINIMUM OF 7 FEET FROM THE EDGE OF PAVEMENT WITH PULL BOXES AND LIDS BEING TRAFFIC BEARING. PULL BOXES SHALL NOT BE PLACED IN PEDESTRIAN RAMPS.		PAY ITEM NO. 639-2-122 SHALL INCLUDE THE COST OF ALL LABOR, MATERIALS, AND PERMITS REQUIRED TO FURNISH AND INSTALL THE ASSEMBLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH ALL AGENCIES REQUIRED FOR APPROVAL OF THE COMPLETED INSTALLATION. FOOT STANDARD PLANS 639-002 (AS APPLICABLE) SHALL APPLY.		PAY ITEM NO. 639-2-1 THE CONTRACTOR SHALL BE RESPONSIBLE FOR SIZING THE CONDUCTORS FOR THE POWER SERVICE.	
PAY ITEM NO. 650-1-24 AND 650-1-29 HEADS SHALL HAVE AN ALUMINUM TOP SECTION WITH ALL OTHER SECTIONS POLYCARBONATE, BLACK IN COLOR. TUNNEL VISORS SHALL BE FULL VISORS. SIGNAL DISPLAYS SHALL BE LED. THE CONTRACTOR SHALL CONTACT THE ST. LUCIE COUNTY TRAFFIC ENGINEERING DIVISION PRIOR TO ORDERING. THIS IS TO ENSURE THAT THEY MEET COUNTY STANDARDS AND ARE CONSISTENT WITH LED UNITS CURRENTLY IN SERVICE WITH THE COUNTY. ALL BACKPLATES SHALL BE ALUMINUM WITH YELLOW RETRO-REFLECTIVE SHEETING.		PAY ITEM NO. 660-4-11 AND 660-4-12 SHALL CONSIST OF FOUR (4) VEHICLE DETECTOR ASSEMBLIES (VIDEO TYPE), ECONOLITE VIDEO DETECTION, LATEST TECHNOLOGY. A COMPLETE VIDEO DETECTION INSTALLATION CONSISTENT WITH ST LUCIE COUNTY STANDARDS FOR ALL APPROACHES OF THE INTERSECTION IS REQUIRED. THE EQUIPMENT SHALL BE VIDEO DETECTION UNITS CAPABLE OF INTERFACE WITH THE TRAFFIC SIGNAL CONTROLLER UNIT AND SHALL INCLUDE THE COST OF MOUNTING ARMS TO EXTEND CAMERA TO A POSITION OVER THE ROADWAY. THE CONTRACTOR IS REQUIRED TO COORDINATE WITH THE SUPPLIER AND ST LUCIE COUNTY TRAFFIC ENGINEERING DIVISION TO ENSURE RELIABLE OPERATION. CAMERA LOCATIONS MAY REQUIRE ADJUSTMENT IN THE FIELD. CONTACT ST LUCIE COUNTY TRAFFIC DIVISION, RICHARD MARINO AT (772) 462-2874 BEFORE ORDERING.		PAY ITEM NO. 670-5-111 THE CONTRACTOR SHALL COORDINATE WITH THE ST LUCIE COUNTY TRAFFIC DIVISION PRIOR TO ORDERING ANY CONTROLLER RELATED EQUIPMENT.		ALL TRAFFIC SIGNAL EQUIPMENT MUST BE CONSISTENT WITH ST LUCIE COUNTY TRAFFIC DIVISION STANDARDS. CONTRACTOR SHALL COORDINATE WITH THE ST LUCIE COUNTY TRAFFIC DIVISION TO CONFIRM THAT EQUIPMENT STANDARDS HAVE NOT CHANGED SINCE THE TIME OF PUBLICATION OF THESE PLANS.									

ST LUCIE COUNTY - TRAFFIC SIGNAL GENERAL NOTES

CONTROLLER ASSEMBLY:

- a. Econolite V-TS2-T1 "Plug-n-Go" Traffic Cabinet Assembly, Size 7 Cabinet (72"Hx44"Wx24"D) with (3) three Shelves 16 phase (4 ped and 4 O/L)
- b. Integrated Drawer/Computer Shelf
- c. Econolite Cobalt TS-2, Type 2 (With ABC Connectors) Controller and Data key
- d. SDLC Communication Panel
- e. Multifunction Management Unit_ Econolite (or) EDI MMU2-16LEIP
- f. Configuration #4, 16 Load Bay main panel (SDP10) (Phase 1-8, overlaps A, B, C, D and Ped 2, 4, 6, 8)
- g. Configuration #2, 16 Detector Rack
- h. Temple Glance TSP/EVP 500-086 Cabinet Equipment APL Number 663-001-011g TIMM 50 Preemption/Priority FMU2 4G Video with 4 port switch Cont/Svc/Supp Plan CAT 4 Video
- i. Preemption Panel/Relay required
- j. Vision Comm Manager, ACP Primary Model AVCM
- k. A/Scope Vision Package to include the Following Items: 4 Vision Cameras, 4 Short Mast +Arm Brackets and 1000ft continuous video cable, no splices
- m. All Relays In cabinet shall be socket mounted
- n. Generator Transfer Switch built into cabinet
- o. Econolite Tech Power APL #685-002-012

Item #	Part	Qty	Description
1	DBLMX1000U-36	1	Uninterruptible Power Supply - UPS
2	HSU-1500	1	UPS: TRAFFIC; 1000 WATT DOUBLE CONVERSION LED 36 VDC 120 VAC
3	1090-008	3	BYPASS SWITCH; SINGLE SOURCE INPUT
4	CAB45310P1	1	BATTERY, 12V, 45AH, 6.54W X 7.79L X 6.73H
			AUX UPS CABINET, 36 X 20 X 16 IN/OUT BARE

PAN, TILT & ZOOM (PTZ) CAMERA:

- a. Econolite WTi-Viper H.264 HD30L - required at Intersections

VEHICLE DETECTION SYSTEM:

- a. Econolite Autoscope Vision

GENERATOR:

- a. Honda EU30001S Generator

SCHOOL ZONE FLASHERS:

- a. TCS Signal cabinets w/ cellular connectivity

MAST ARMS:

- a. All Mast Arms shall be Galvanized. The cost of all subsurface analysis and structural engineering to ensure the proper design and sizing of the mast arms and mast arm foundation shall be the responsibility of the CONTRACTOR and shall be included in the unit price for each mast arm assembly. All certified reports and design criteria shall be submitted for the Owner's records.
- b. The CONTRACTOR will be issued a purchase order for mast arms prior to the beginning of a project due to the excessive lead-time associated with this product. The CONTRACTOR will not be reimbursed for the storage of these mast arms prior to their installation. The costs for storage will be included in the bid items for mast arms.
- c. The CONTRACTOR is required to order mast arms within ten (10) days of receipt of purchase order unless otherwise directed by the COUNTY.

NOTE:

THE EXISTING SYSTEM HAS AN ADAPTIVE CONTROL DETECTION SYSTEM - LOCATED ALONG PRIMA VISTA FROM US NO 1 TO FLORESTA TO APROSO SIGNALS. THE CONTRACTOR WILL INSTALL NEW COMPONENTS IN THIS FLORESTA/ PRIMA VISTA SIGNAL AS PER THE SLC PUBLIC WORKS SIGNAL DEPTS. CRITERIA. ALL COMPONENTS SHALL BE PROVIDED, INSTALLED, TESTED AND FULLY OPERATIONAL PRIOR TO PROJECT COMPLETION. THE COST OF THIS WORK WILL BE INCLUDED IN THE PAY ITEM NO'S 680-1-112 AND 680-1-113.

REVISIONS

DESCRIPTION



301 NW Flouder Ave
Stuart, Florida 34954
Phone: (772) 895-4444
JAMES H. COOPER, JR.
P.E. NO. 37638
Engineering Business
No. EB-0007657

PRIMA VISTA BLVD.

COUNTY

PRIMA VISTA BLVD.

ST. LUCIE COUNTY

SHEET NO.

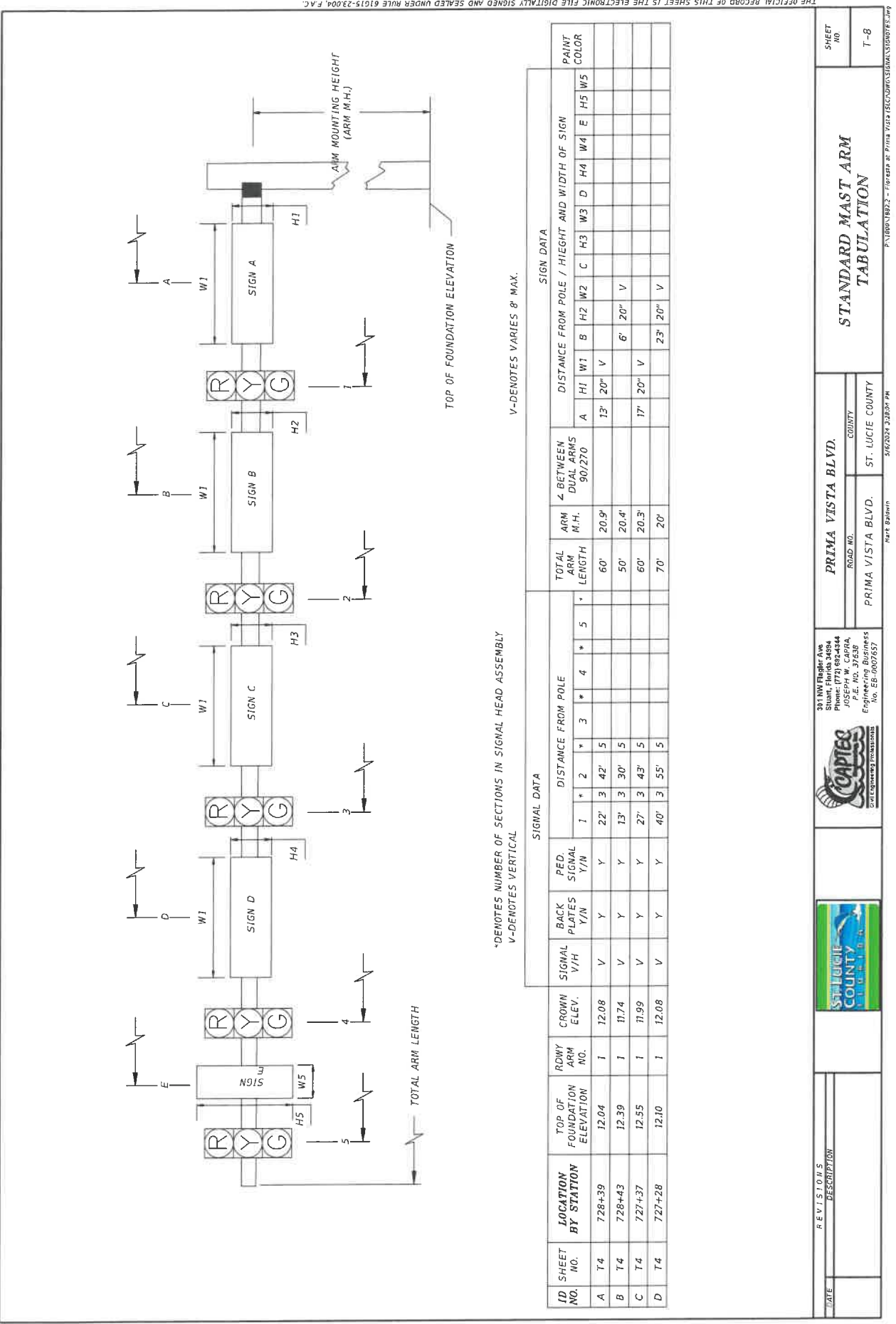
GENERAL NOTES

T-6

Mark Baldwin

5/8/2024 3:27:44 PM

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*DENOTES NUMBER OF SECTIONS IN SIGNAL HEAD ASSEMBLY
V-DENOTES VERTICAL

V-DENOTES VARIES 8' MAX.

DATE

REVISIONS

DESCRIPTION

ST. LUCIE COUNTY

FLORIDA

301 NW Flagler Ave
Stuart, Florida 34994
Phone: (772) 9544444
Fax: (772) 9544444
P.E. NO. 37638
Engineering Business
No. EB-0007657

PRIMA VISTA BLVD.

ROAD NO.

PRIMA VISTA BLVD.

COUNTY

ST. LUCIE COUNTY

STANDARD MAST ARM
TABULATION

SHEET NO.

T-8

[illegible]

TABLE NOTES:

- ### 1. Assembly Number Legend

Single Arm:
Arm Type - Pole Type = D# - S#
= E# - T#
= F# - W#

Double Arm:
First Arm Type - Second Arm Type - Pole Type = D# - D# - S#
= E# - E# - T#
= F# - F# - W#

2. If an entry appears in columns "FAA" and "FBA", a shorter arm is required. This is obtained by removing length from the arm tip. For these cases the arm length shall be shortened from "FA" to "FAA" and the tip diameter shall be increased from "FB" to "FBA".

3. If an entry appears in columns "UAJ" and "UCA", a shorter pole is required. This is obtained by removing length from the pole tip. For these cases the pole height shall be shortened from "UAJ" to "UAA" and the pole tip diameter shall be increased from "UC" to "UCA".

4. The foundations for Standard Mast Arm Assemblies are pre-designed and are based upon the following conservative soil criteria which covers the great majority of soil types found in Florida. Only complete the "Special Drilled Shaft" data information if site conditions dictate drilled shafts with additional foundation capacity.

Classification = Cohesionless (Fine Sand)
Friction Angle = 30 Degrees (30°)
Unit Weight = 50 lbs. / cu. ft. (assumed)

GENERAL NOTES:

1. Work this sheet with the Signal Designer's "Mast Arm Tabulation". See "Mast Arm Tabulation" for special instructions that include non-standard Handhole location, paint color, terminal compartment requirement, and pedestrian features.
2. Work with Index Nos. 17743 and 17745.

DATE	REVISIONS DESCRIPTION			301 NW Flagler Ave Miami, Florida 33136 Phone: 305-372-9344 F.E. NO. 37638 JOSEPH W. CAPRA, P.E. Engineering Business No. EB-0007657	PRIMA VISTA BLVD.		STANDARD MAST ARM DATA TABLE	SHEET NO.
					ROAD NO.	COUNTY		
				PRIMA VISTA BLVD. Engineering Business No. EB-0007657	PRIMA VISTA BLVD.	ST. LUCIE COUNTY		T-9

Sign design sheet for 'Floresta Dr' and 'Prima Vista Blvd' with dimensions, stationing, and material specifications.

Project information including: MAJOR STREET: PRIMA VISTA BLVD., MINOR STREET: FLORESTA DR., GUIDE SIGN WORKSHEET, and contact details for Captec Engineering Professionals.

ST. LUCIE COUNTY

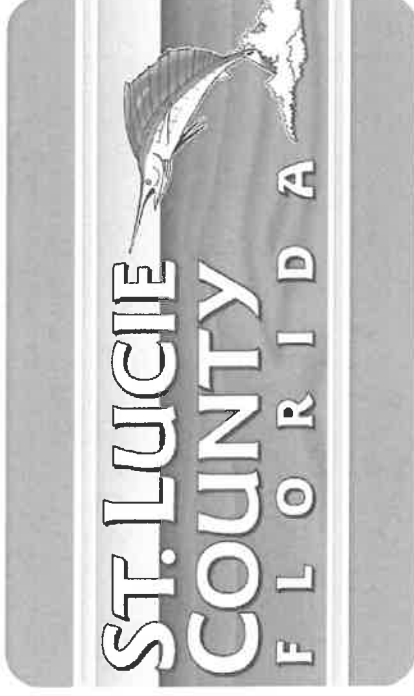
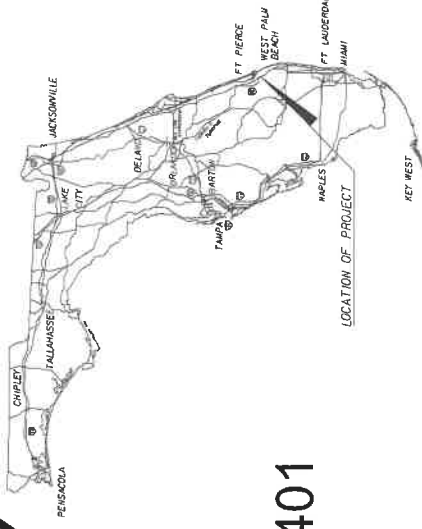
PRIMA VISTA BOULEVARD MEDIAN IMPROVEMENTS

ST. LUCIE COUNTY PROJECT NO. 20401

LIGHTING PLANS

INDEX OF LIGHTING PLANS

SHEET NO.	SHEET DESCRIPTION
L-1	KEY SHEET
L-1A	SIGNATURE SHEET
L-2	TABULATION OF QUANTITIES
L-3	GENERAL NOTES
L-4 THRU L-5	POLE DATA AND LEGEND
L-6 THRU L-8	LIGHTING PLANS
L-9 THRU L-10	LOAD CENTER DETAILS
L-11	SERVICE POINT DETAILS
L-12	LIGHT POLE SPREAD FOOTING DETAILS



BOARD OF COUNTY COMMISSIONERS

CHRIS DZADOVSKY	DISTRICT 1
LARRY LEET	DISTRICT 2
LINDA BARTZ	DISTRICT 3
JAMIE FOWLER	DISTRICT 4
CATHY TOWNSEND	DISTRICT 5

COUNTY ADMINISTRATION

GEORGE LANDRY COUNTY ADMINISTRATOR

PUBLIC WORKS DEPARTMENT

PATRICK DAYAN, P.E. DIRECTOR OF PUBLIC WORKS
DAN ZWALLACK, P.E. COUNTY ENGINEER

ST. LUCIE COUNTY

EDMUND BAS, P.E. PROJECT MANAGER

PLANS PREPARED BY:



NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.

LIGHTING PLANS
ENGINEER OF RECORD: GORDON D. ZIECINA, P.E.

P.E. NO. 33770

FISCAL YEAR	SHEET NO.
24	L-1

TABULATION OF QUANTITIES

PAY ITEM NO	DESCRIPTION	UNIT	SHEET NUMBERS						TOTAL THIS SHEET		GRAND TOTAL	
			L-6		L-7		L-8		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
0630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	37		460				497		497	
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	402		244		418		1064		1064	
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	5		14		5		24		24	
0639 1 122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS			1				1		1	
0639 2 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF			33				33		33	
0641 2 11	PRESTRESSED CONCRETE POLE, F&I, TYPE P-11 PEDESTAL	EA			2				2		2	
0715 7 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF	1581		3868		1542		6991		6991	
0715 61 111	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 30' MOUNTING HEIGHT, 8' ARM LENGTH	EA	2		2		3		7		7	
0715 62 111	LIGHT POLE COMPLETE, F&I, STANDARD POLE SPECIAL FOUNDATION, 30' MOUNTING HEIGHT, 8' ARM LENGTH	EA			2				2		2	
0715 7 11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA			1				1		1	
0715 500 1	POLE CABLE DISTRIBUTION SYSTEM, FURNISH AND INSTALL, CONVENTIONAL	EA	2		5		3		10		10	
0715 511 155P	LIGHT POLE COMPLETE- SPECIAL DESIGN, SPECIAL FOUNDATION F&I, SINGLE ARM SHOULDER MOUNT, ALUMINUM, 25'	EA			1				1		1	

ITEM 0639 2 1 SHALL INCLUDE 3-#4 AWG CONDUCTORS.

ITEM 0715 511 125 ITEMS INCLUDE UTILITY CONFLICT POLES AS IDENTIFIED IN PLANS AND TO BE DESIGNED BY CONTRACTOR.

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION	ST. LUCIE COUNTY BOARD OF COUNTY COMMISSIONERS		TABULATION OF QUANTITIES		SHEET NO.
					PRIMA VISTA BOULEVARD MEDIAN IMPROVEMENTS				L-2



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GENERAL NOTES

1. THE CONTRACTOR SHALL NOTIFY THE ST. LUCIE COUNTY & CITY OF PORT ST. LUCIE PUBLIC WORKS DEPT. TWO (2) FULL BUSINESS DAYS IN ADVANCE OF ANY WORK TO BE CARRIED OUT AT ANY LIGHTING FACILITY. 772-871-5177
2. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE MOST CURRENT VERSION OF FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT)'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE MOST RECENT VERSION OF FDOT STANDARD PLANS UNLESS OTHERWISE SPECIFIED IN THE CITY APPROVED DESIGN OR THESE GENERAL NOTES.
3. CONDUCTOR AND/OR CABLE SHALL BE HOUSED IN 2" SCHEDULE 40 CONDUIT AS SHOWN ON APPROVED PLAN SHEETS. PROVIDE ONE SPARE CONDUIT FOR EACH CONDUIT RUN AND ROADWAY CROSSING. EACH SPARE CONDUIT SHALL BE SUPPLIED WITH PULL STRING.
4. CONTRACTOR SHALL STAKE ALL POLE LOCATIONS AND REQUEST UTILITY COMPANIES TO LOCATE AND MARK UNDERGROUND FACILITIES PRIOR TO EXCAVATION.
5. POLES, LUMINAIRES AND BASES SHALL BE FABRICATED IN ACCORDANCE WITH AASHTO'S "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS" AND SHALL HAVE BEEN TESTED BY FINA APPROVED METHODS. CERTIFICATION FOR TESTS SHALL BE SUBMITTED WITH THE SHOP DRAWINGS.
6. PULLING INSTRUCTIONS: CONNECT PULLING DEVICES TO COPPER WIRE AND NOT TO JACKET AND MEET THE MANUFACTURER'S REQUIREMENTS. USE PULLING COMPOUND PER MANUFACTURER'S REQUIREMENTS. ALL BENDS SHALL NOT BE LESS THAN THE MANUFACTURER'S REQUIREMENTS.
7. ALL ELECTRICAL WORK SHALL MEET THE REQUIREMENTS OF THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE, THE NATIONAL ELECTRICAL SAFETY CODE AND ROAD AND BRIDGE CONSTRUCTION. ALL COMPONENTS SHALL BE PROPERLY GROUNDED AND BONDED PER N.E.C. REQUIREMENTS.
8. IN LOCATIONS WHERE UNDERGROUND UTILITIES ARE IN CLOSE PROXIMITY TO LIGHTING POLES OR CONDUIT RUNS, AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL HAND DIG THE FIRST 4' OF THE HOLE FOUNDATION AND CONDUIT RUN. ANY LIGHT POLE ADJUSTMENTS SHALL BE COORDINATED WITH EOR FOR APPROVAL.
9. HAND HOLE COVERS FOR POLES AND TRANSFORMER BASES SHALL BE LOCATED OPPOSITE APPROACHING TRAFFIC.
10. THE WIRES AT THE POLE HAND HOLES AND PULL BOXES SHALL BE LOOPED IN THE POLE AND PULL BOXES WITH SUFFICIENT LENGTH TO COMPLETELY REACH THE CONNECTORS AND SPLICES ONE (1) FOOT OUTSIDE THE HAND HOLE AND PULL BOXES TO MAKE CONNECTIONS AND SPLICES ACCESSIBLE FOR CHANGING FUSES AND TROUBLESHOOTING THE SYSTEM.
11. ALL CONDUCTOR AND/OR WIRE CONNECTIONS SHALL BE BUTT SPLICED AND WATERPROOF. WIRE NUTS WILL NOT BE ACCEPTED.
12. EACH POLE SHALL BE EQUIPPED WITH AN ACCESSIBLE FUSE AND FUSE HOLDER WITH PROTECTIVE BOOTS.
13. EACH POLE SHALL BE EQUIPPED WITH A LIGHTING SURRESTOR THAT IS PROPERLY GROUNDED.
14. A PULL BOX SHALL BE INSTALLED AT EACH POLE LOCATION. PULL BOX SHOULD BE LOCATED 2' MAX FROM POLE UNLESS OTHERWISE DIRECTED BY THE ENGINEER. EACH PULL BOX SHALL BE SUPPLIED WITH A GROUNDING ROD AND EACH POLE SHALL BE PROPERLY GROUNDED.
15. ALL STREET LIGHTING AND PEDESTRIAN LIGHTING PULL BOXES SHALL BE ARMORCAST PRODUCTS COMPANY #AG00BASTAPXX12 POLYMER CONCRETE BOX WITH NON-METALLIC LID AND NON-SKID SURFACE OR APPROVED EQUAL. LID MUST BE STAMPED "STREET LIGHTING". BOX DIMENSIONS ARE 13W X 24L X 12H-20K WITH OPEN BOTTOM. LID MUST BE FASTENED TO BOX.
16. INSTALLATION OF PULL BOXES WITHIN THE SIDEWALK SHOULD BE AVOIDED WHENEVER POSSIBLE, BUT IF NECESSARY, SHALL BE APPROVED BY ST. LUCIE COUNTY PUBLIC WORKS PRIOR TO WORK BEING CONDUCTED AND SHALL BE FLUSH WITH SIDEWALK. PULL BOXES SHALL NEVER BE PLACED WITHIN SIDEWALK RAMPS OR ROADWAY.
17. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND ALL EXISTING UTILITIES, INCLUDING OVERHEAD POWER LINES.
18. LOCATIONS OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO EXCAVATION.
19. CONTACT SUNSHINE ONE CALL OF FLORIDA AT 800R SUNSHINEBLOW OR AT LEAST TWO (2) FULL BUSINESS DAYS BEFORE DIGGING.
20. THE LIGHTING SYSTEM WILL BE MAINTAINED BY THE COUNTY ONLY AFTER FINAL ACCEPTANCE.
21. ALL LIGHTING PLANS, SUBMITTAL DATA AND LIGHTING SHOP DRAWINGS SHALL BE APPROVED BY ST. LUCIE COUNTY PUBLIC WORKS PRIOR TO THEIR USE. NO CHANGES TO THE APPROVED LIGHTING PLAN, EQUIPMENT SPECIFICATIONS OR INSTALLATION DETAILS SHALL BE MADE WITHOUT PRIOR APPROVAL BY ST. LUCIE COUNTY PUBLIC WORKS.
1. ITEM 0635-2-14 ROADSIDE PULL BOX COVERS SHALL BE MARKED "STREET LIGHTING", PLACED FLUSH TO GRADE.

PAY ITEM FOOTNOTES

**** LIGHTING DESIGN CRITERIA**
ROADWAY LIGHTING (PRIMA VISTA BLVD.)
AVERAGE MAINTAINED ILLUMINANCE 0.4 FOOT CANDLES
UNIFORMITY RATIO AVG./MIN. 6:1 OR LESS
WIND SPEED 160 MPH

**** LIGHTING DESIGN CRITERIA BASED ON AASHTO ROADWAY LIGHTING DESIGN GUIDE TABLE 3-50, AREA CLASSIFICATION - LOCAL - RESIDENTIAL - R3 ASPHALT ROADWAY SURFACE (TABLE 3-1).**

***** ROUNDABOUT / INTERSECTION LIGHTING CRITERIA**
ROADWAY LIGHTING (PRIMA VISTA BLVD.)
AVERAGE MAINTAINED ILLUMINANCE 1.4 FOOT CANDLE (MEDIUM)
AVERAGE/MINIMUM RATIO 6:1 OR LESS
WIND SPEED 160 MPH

***** SOURCE: NCHRP REPORT 672, EXHIBIT 8-1 (RECOMMENDED ILLUMINANCE VALUES FOR ROUNDABOUTS)**

DATE		DESCRIPTION		REVISIONS		DATE		DESCRIPTION						
 2041 Vista Parkway, Suite 101 West Palm Beach, Florida 33411 Gordon O. Ziehm, P.E. No. 33770										ST. LUCIE COUNTY BOARD OF COUNTY COMMISSIONERS PRIMA VISTA BOULEVARD MEDIAN IMPROVEMENTS		GENERAL NOTES		SHEET NO. L-3

FDOT POLE DATA

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	POLE SETBACK	PAY ITEM	FOUNDATION
1	A-1	203+69.74 @ PRIMA VISTA	8'	60	30'-0"	PLACE AT R/W LINE	715-61-III	STANDARD
2	A-1	205+24.33 @ PRIMA VISTA	8'	118	30'-0"	PLACE AT R/W LINE	715-61-III	STANDARD
3	A-1	208+48.54 @ PRIMA VISTA	8'	118	30'-0"	PLACE AT R/W LINE	715-61-III	STANDARD
4	A-1	201+08.42 @ PRIMA VISTA	8'	118	30'-0"	PLACE AT R/W LINE	715-62-III	SPREAD FOOTER
5	A-1	201+92.52 @ PRIMA VISTA	8'	118	30'-0"	PLACE AT R/W LINE	715-62-III	SPREAD FOOTER
7	A-2	212+61.72 @ PRIMA VISTA	8'	60	30'-0"	PLACE AT R/W LINE	715-61-III	STANDARD
8	A-2	215+33.77 @ PRIMA VISTA	8'	118	30'-0"	PLACE AT R/W LINE	715-61-III	STANDARD
9	A-2	217+39.16 @ PRIMA VISTA	8'	118	30'-0"	PLACE AT R/W LINE	715-61-III	STANDARD
10	A-2	219+14.81 @ PRIMA VISTA	8'	60	30'-0"	PLACE AT R/W LINE	715-61-III	STANDARD

FDOT UTILITY CONFLICT POLE DATA

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	POLE SETBACK	PAY ITEM	FOUNDATION
6	A-2	212+15.31 @ PRIMA VISTA	6'	60	25'-0"	PLACE AT R/W LINE	715-511-125SP	SPREAD FOOTER

NOTES:
1) 715-511-125 UTILITY CONFLICT POLE TO BE DESIGNED BY CONTRACTOR.

LEGEND
DESCRIPTION

- SYMBOLS
- SIZE 2" SCHEDULE 40 P.V.C. CONDUIT WITH CONDUCTORS INSIDE CONDUIT. SIZE AND NUMBER OF CONDUCTORS AS SHOWN ON PLANS.
 - SIZE 2" SCHEDULE 40 P.V.C. HOPE CONDUIT WITH SPARE, DIRECTIONAL DRILLED AT ROADWAY CROSSINGS WITH CONDUCTORS INSIDE CONDUIT. SIZE AND NUMBER OF CONDUCTORS AS SHOWN ON PLANS.
 - PULL BOX
 - PROPOSED LOAD CENTER (POLE MOUNTED).
 - PROPOSED UTILITY CONFLICT POLE. FDOT ALUMINUM POLE, 25' MOUNTING HEIGHT, LED LUMINAIRE 60 WATTS (18,067 LUMENS) TYPE 11, MEDIUM, AMERICAN ELECTRIC LIGHTING ATBS-P30_MVOLT_R2-4K_MR.
 - PROPOSED STANDARD FDOT POLE, 30' MOUNTING HEIGHT, LED LUMINAIRE 60 WATTS (18,067 LUMENS) TYPE 11, MEDIUM, AMERICAN ELECTRIC LIGHTING ATBS-P30_MVOLT_R2-4K_MR.
 - PROPOSED STANDARD FDOT POLE, 30' MOUNTING HEIGHT, LED LUMINAIRE 118 WATTS (15,452 LUMENS) TYPE N, SHORT, AMERICAN ELECTRIC LIGHTING ATBM-P30_MVOLT_R3-4K_MR.

NOTES:
1) CONDUIT, PULL BOXES, LOAD CENTERS AND POLE FOUNDATIONS SHALL BE PLACED INSIDE OF RIGHT-OF-WAY.

DATEDESCRIPTIONREVISIONSDATEDESCRIPTION



2041 Vista Parkway, Suite 101
West Palm Beach, Florida 33411
Phone: 561.833.3333
Fax: 561.833.3370

ST. LUCIE COUNTY
BOARD OF COUNTY COMMISSIONERS
PRIMA VISTA BOULEVARD
MEDIAN IMPROVEMENTS

POLE DATA AND LEGEND

SHEET NO.
L-4

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FPL POLE DATA

POLE NO.	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT
12	206+84.21	6'	93 (LED)	25'-0"
13	206+85.36	6'	59 (LED)	25'-0"
15	209+83.62	6'	59 (LED)	25'-0"
18	213+83.51	6'	93 (LED)	25'-0"
19	215+93.59	6'	93 (LED)	25'-0"

LED LUMINAIRE/ARMS TO BE INSTALLED BY FPL

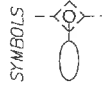
FPL POLE DATA

POLE NO.	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT
11	204+72.90	6'	59 (LED)	25'-0"
14	208+91.59	6'	59 (LED)	25'-0"
16	210+87.80	6'	93 (LED)	25'-0"
17	213+79.08	6'	59 (LED)	25'-0"
20	218+02.87	6'	59 (LED)	25'-0"

REPLACE HPS LUMINAIRE WITH LED TO BE INSTALLED BY FPL

LEGEND (FPL POLES ONLY)

SYMBOLS



LUMINAIRE TO BE MOUNTED ON FPL POLE. LED LUMINAIRE DESIGNED FOR TYPE IV, MEDIUM DISTRIBUTION LED LUMINAIRE 93 WATTS (14782 LUMENS)(ROADWAY LUMINAIRE), MANUFACTURER COOPER STREET LIGHTING SOLUTIONS - STREETWORKS, CATALOG NUMBER ARCH-M-PA2-90-740-U-T3-93W. (TO BE INSTALLED BY FPL)



FPL LED RETROFIT TO BE HANDLED BY FPL LIGHTING SERVICES THRU CITY OF PSL. LED LUMINAIRE DESIGNED FOR TYPE IV, MEDIUM DISTRIBUTION LED LUMINAIRE 93 WATTS (14782 LUMENS) (ROADWAY LUMINAIRE), MANUFACTURER COOPER STREET LIGHTING SOLUTIONS - STREETWORKS, CATALOG NUMBER ARCH-M-PA2-90-740-U-T3-93W.



LUMINAIRE TO BE MOUNTED ON FPL POLE. LED LUMINAIRE DESIGNED FOR TYPE IV, MEDIUM DISTRIBUTION LED LUMINAIRE 59 WATTS (81328 LUMENS)(ROADWAY LUMINAIRE), MANUFACTURER COOPER STREET LIGHTING SOLUTIONS - STREETWORKS, CATALOG NUMBER ARCH-S-PA1-60-740-U-T3-59W. (TO BE INSTALLED BY FPL)



FPL LED RETROFIT TO BE HANDLED BY FPL LIGHTING SERVICES THRU CITY OF PSL. LED LUMINAIRE DESIGNED FOR TYPE IV, MEDIUM DISTRIBUTION LED LUMINAIRE 59 WATTS (81328 LUMENS) (ROADWAY LUMINAIRE), MANUFACTURER COOPER STREET LIGHTING SOLUTIONS - STREETWORKS, CATALOG NUMBER ARCH-S-PA1-60-740-U-T3-59W.



EXISTING LUMINAIRE, POLE & FOUNDATION TO BE REMOVED OR RELOCATED BY FPL.

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

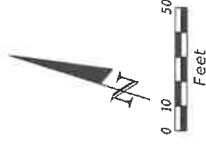
consor
2041 Vista Parkway, Suite 101
West Palm Beach, Florida 33411
Gordon D. Zischner, P.E. No. 33770

ST. LUCIE COUNTY
BOARD OF COUNTY COMMISSIONERS
PRIMA VISTA BOULEVARD
MEDIAN IMPROVEMENTS

POLE DATA AND LEGEND

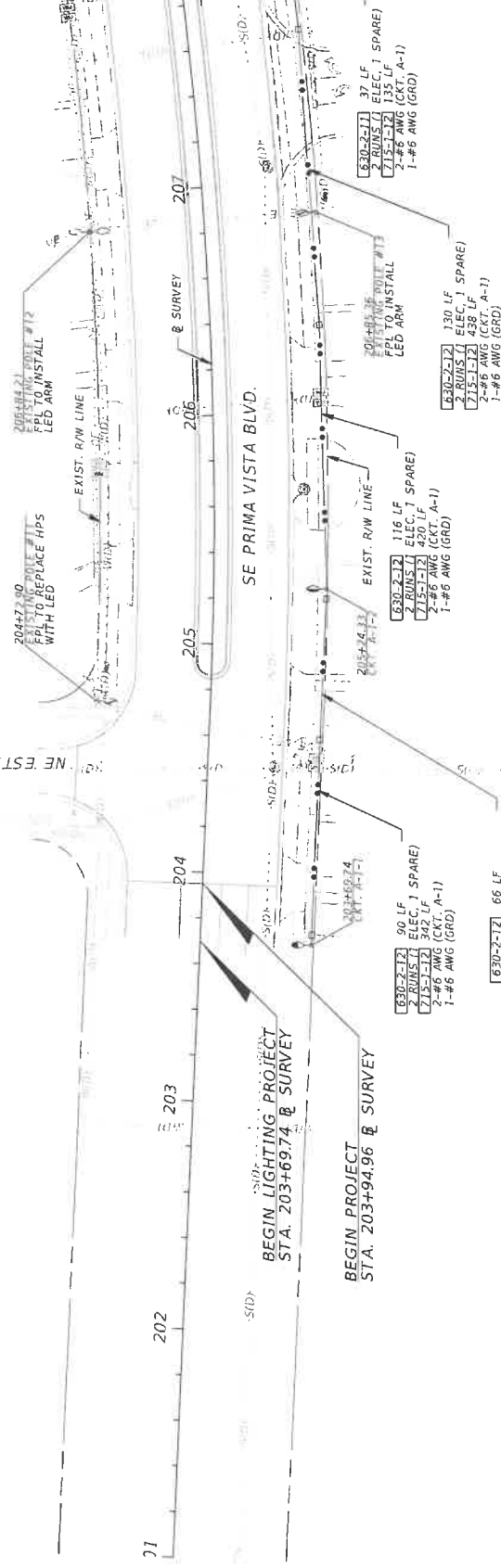
SHEET NO.

L-5



NE ESTIA LANE

MATCH LINE STA. 208+00.00



BEGIN LIGHTING PROJECT
STA. 203+69.74 @ SURVEY

BEGIN PROJECT
STA. 203+94.96 @ SURVEY

NOTES:
1) CONDUIT, PULL BOXES, LOAD CENTERS AND POLE FOUNDATIONS
SHALL BE PLACED INSIDE OF RIGHT-OF-WAY

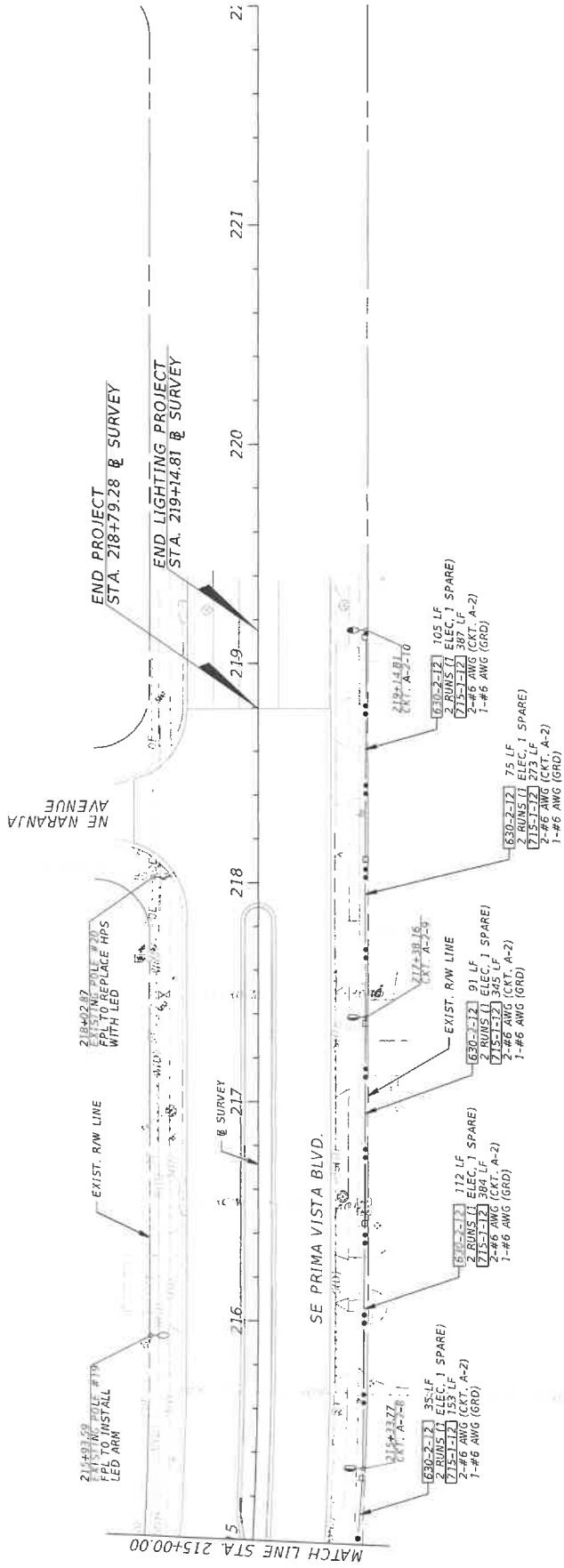
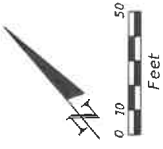
SE PRIMA VISTA BLVD.

DATE		REVISIONS		DESCRIPTION	
				2041 Vista Parkway, Suite 101 West Palm Beach, Florida 33411 Phone: 561.833.1100 Gordon D. Ziehm, P.E. No. 33770	
				ST. LUCIE COUNTY BOARD OF COUNTY COMMISSIONERS PRIMA VISTA BOULEVARD MEDIAN IMPROVEMENTS	
				LIGHTING PLANS	
				SHEET NO. L-6	

1/14/2013 1:55:55 PM GDS:DW

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



NOTES:
1) CONDUIT, PULL BOXES, LOAD CENTERS AND POLE FOUNDATIONS SHALL BE PLACED INSIDE OF RIGHT-OF-WAY.

SE PRIMA VISTA BLVD.

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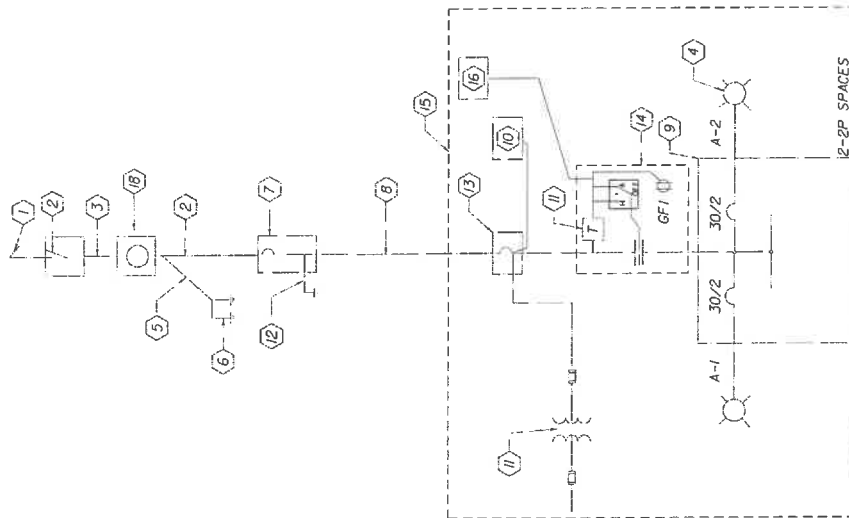


2041 Vista Parkway, Suite 101
West Palm Beach, Florida 33411
Gordon O. Tietz, P.E. No. 33770

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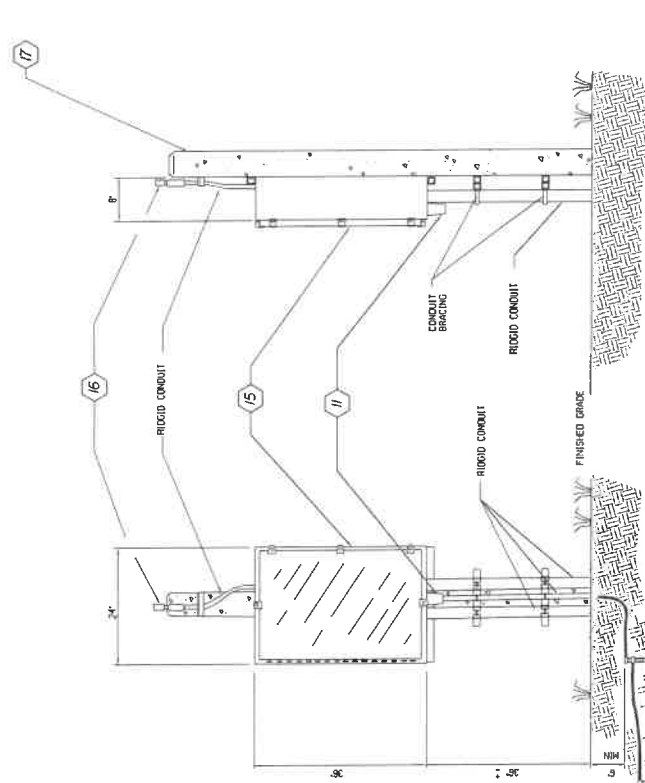
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DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
 consor 3041 Vista Parkway, Suite 101 Westborough, MA 01581 Web: Phone: (508) 253-8580 Gordon D. Steina, P.E. No. 33770				
S.T. LUCIE COUNTY BOARD OF COUNTY COMMISSIONERS PRIMA VISTA BOULEVARD MEDIAN IMPROVEMENTS				
LOAD CENTER DETAILS				
SHEET NO.				L-9



KEY NOTES

1. 120/240V SINGLE PHASE 3-WIRE FPL ELECTRIC UNDERGROUND SERVICE
2. 200A NON-FUSED DISCONNECT AS REQUIRED BY FPL
3. 3#1/0 IN 2" RIGID GALVANIZED STEEL CONDUIT
4. ROADWAY LUMINAIRE CONNECTED TO CIRCUITS AS CALLED FOR IN PLANS
5. #4 INSULATED COPPER GROUND WIRE IN 1" RIGID GALVANIZED STEEL CONDUIT
6. 2 QTY. COPPER CLAD GROUND ROD $\frac{3}{4}$ " DIA. 20' LONG SEPARATED BY MINIMUM 6'. SEE DETAIL THIS SHEET
7. 200A, 120/240V, 2-POLE BREAKER IN NEMA 3R
8. 3#1/0 IN 2" RIGID GALVANIZED STEEL CONDUIT
9. PANEL BOARD, 200A, 120/240V, SINGLE PHASE, 3-WIRE WITH CIRCUIT BREAKERS, AND GROUND BAR AS INDICATED
10. CONTROL TRANSFORMER SURGE ARRESTOR INTERMATIC AC6503 IF NECESSARY.
11. SERVICE ENTRANCE SURGE ARRESTOR INTERMATIC AC6503 IF NECESSARY.
12. LIGHTING ARRESTER
13. MAIN CIRCUIT BREAKER AS CALLED FOR ON SHEET L-9, 2-POLE 100A
14. 100A, 2-POLE, ELECTRICALLY HELD CONTACTOR
15. CONCRETE PEDESTAL MOUNT NEMA 12 STAINLESS STEEL ENCLOSURE WITH LOCKING TONGUE AND HASP EBOX CATALOG NO. 524-5004V
16. PHOTOELECTRIC CONTROL INTERMATIC K4135 OR EQUIVALENT
17. CONCRETE SERVICE POLE TYPE P-11, 12' LONG
18. METER CAN WITH BLANK COVER & SHORTING BLOCK PER FPL REQUIREMENT



MAKE ALL BONDS BETWEEN GROUND WIRES AND GROUND RODS OR GROUNDING ELECTRODES CORRESPONDING TO THE FOLLOWING EXCEPT WHERE SHOWN OTHERWISE. ALL BONDS SHALL BE MADE WITH AN EXOTHERMIC WELDING PROCESS OR EQUIVALENT. THE EXOTHERMIC WELD SHALL BE MADE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. THE EXOTHERMIC WELD SHALL BE MADE IN THE MIDDLE OF THE JOINT. THE EXOTHERMIC WELD SHALL BE MADE IN THE MIDDLE OF THE JOINT. THE EXOTHERMIC WELD SHALL BE MADE IN THE MIDDLE OF THE JOINT.

SEE REC. 250-653
GROUNDING ELECTRODE INSTALLATION

LOAD CENTER SPECIFICATIONS

1. THE ENCLOSURE SHALL BE STAINLESS STEEL AND RAIN-TIGHT.
2. THE ENCLOSURE DOOR SHALL BE LOCKABLE BY PADLOCK AND HAVE THE LOCKING MECHANISM LOCATED ON THE LEFT SIDE. NO SCREWS TO BE USED TO ATTACH THE DOOR.
3. THE TRANSFORMER SHALL PROVIDE 240V, SINGLE PHASE, 3 WIRE SERVICE.
4. 240 VOLT MINIMUM RATING BOLT-IN TYPE BREAKERS SHALL BE USED.
5. SERVICE PANEL SHALL INCLUDE A 3 POSITION OVERRIDE SWITCH FOR "ON, OFF, & PHOTOCELL AUTOMATIC".
6. THE ENCLOSURE TO BE RIGIDLY ATTACHED TO THE POLE FACE.
7. A 600 VOLT SURGE ARRESTOR SHALL BE WIRED INSIDE THE ENCLOSURE.
8. ALL SERVICE EQUIPMENT SHALL BE U.L. APPROVED.

NOTES:

1. A PULL BOX IS REQUIRED AT EACH SERVICE POINT.
2. ALL CONDUIT SHALL BE RIGID OR INTERMEDIATE METAL ON ALL ABOVE GROUND INSTALLATIONS.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A COMPLETE SERVICE ASSEMBLY AS PER THE PLANS AND SERVICE SPECIFICATIONS.
4. THE SERVICE INSTALLATION SHALL MEET THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE AND APPLICABLE LOCAL CODES.
5. ALL NEUTRAL WIRES TO HAVE WHITE INSULATION. DO NOT USE WHITE OR GREEN INSULATED WIRES FOR UNDERGROUND CONDUCTORS. HOT SHALL BE BLACK OR RED; GROUND SHALL BE GREEN.

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

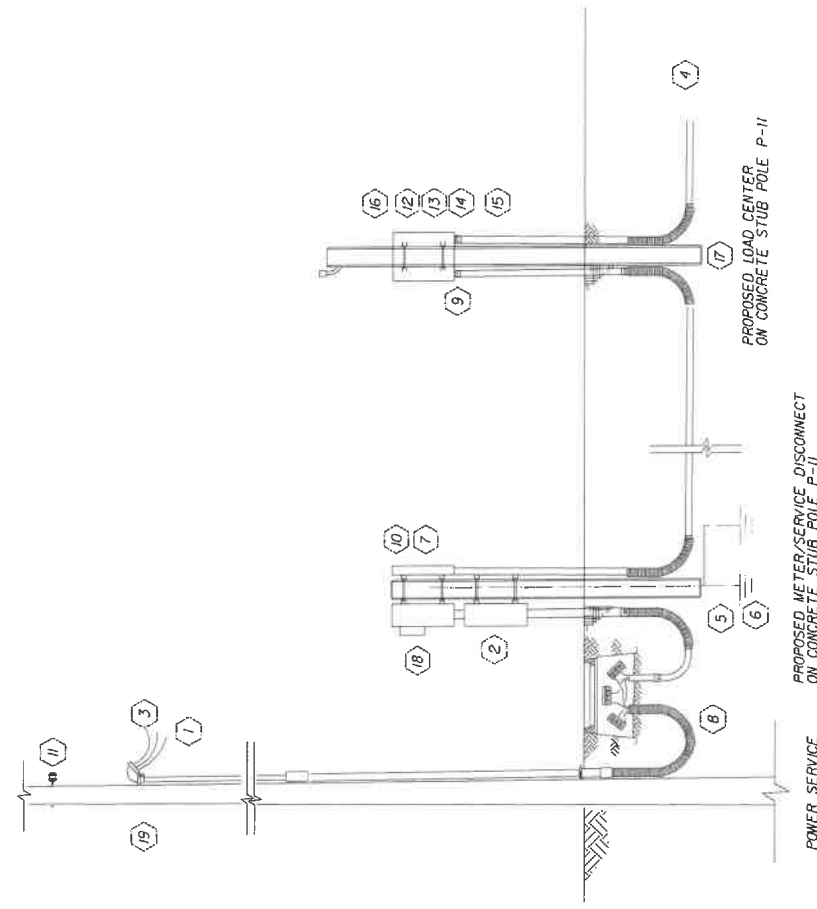
consor
2041 Vista Parkway, Suite 101
West Palm Beach, Florida 33411
Tel: 561-833-3370
Fax: 561-833-3370

ST. LUCIE COUNTY
BOARD OF COUNTY COMMISSIONERS
PRIMA VISTA BOULEVARD
MEDIAN IMPROVEMENTS

SHEET NO.
L-10

KEYED NOTES

- 1 120/240V SINGLE PHASE 3-WIRE FPL ELECTRIC UNDERGROUND SERVICE.
- 2 200A, 120-240V, 2 POLE, NEMA 3R NON-FUSED DISCONNECT AS REQUIRED BY FPL.
- 3 3 #4 AWG FEEDER CONDUCTORS IN 2" RIGID GALVANIZED STEEL CONDUIT.
- 4 LED LIGHT POLES CONNECTED TO CIRCUITS AS CALLED FOR IN PLANS.
- 5 #4 INSULATED COPPER GROUND WIRE IN 2" PVC CONDUIT.
- 6 COPPER CLAD GROUND RODS 5/8" DIA. 20' LONG SEPARATED BY 6' MINIMUM.
- 7 200A, 120-240V, 2-POLE BREAKER IN NEMA 3R.
- 8 2" PVC CONDUIT (CONDUCTOR SIZE #4 AWG).
- 9 PANEL BOARD, 200A, 120-240V, SINGLE PHASE, 3-WIRE WITH CIRCUIT BREAKERS AS INDICATED ON L-10.
- 10 SERVICE ENTRANCE SURGE ARRESTOR INTERMATIC AC6503
- 11 FPL TRANSFORMER SINGLE PHASE, 120-240V.
- 12 LIGHTNING ARRESTER MOUNTED ON OUTSIDE OF ENCLOSURE.
- 13 MAIN CIRCUIT BREAKER AS CALLED FOR ON SHEET L-10, 2-POLE 120-240V
- 14 2-POLE, ELECTRICALLY HELD CONTACTOR
- 15 CONCRETE PEDESTAL MOUNT NEMA 12 STAINLESS STEEL ENCLOSURE WITH LOCKING TONGUE AND HASP EBOX CATALOG NO. 524368M4XS
- 16 PHOTOELECTRIC CONTROL INTERMATIC K4135 OR EQUIVALENTS
- 17 CONCRETE SERVICE POLE TYPE P-II, 12' LONGS
- 18 METER SOCKET BY CONTRACTOR TO MEET FPL REQUIREMENTS.
- 19 FPL SERVICE POLE.



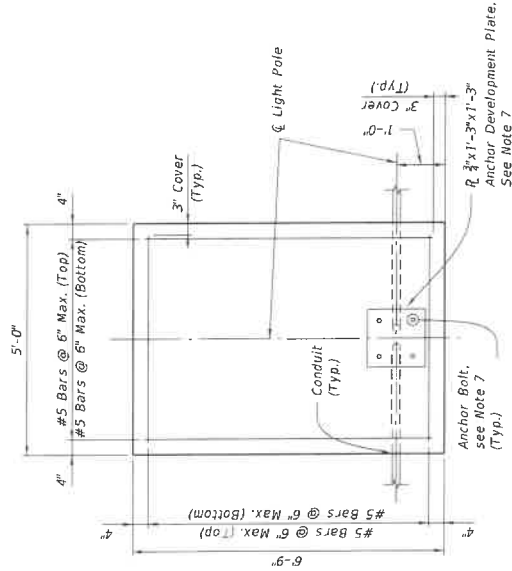
TYPICAL DETAIL "C"
N.T.S.

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION	ST. LUCIE COUNTY BOARD OF COUNTY COMMISSIONERS PRIMA VISTA BOULEVARD MEDIAN IMPROVEMENTS	SERVICE POINT DETAILS	SHEET NO. L-II

consor
2041 Vista Parkway, Suite 101
West Palm Beach, Florida 33411
Gordon D. Ziegler, P.E. No. 31770

1/17/2023 4:20:28 PM TIE.BUI

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Technical drawing of a 3' x 1'-3" Anchor Development Plate. The plate is 5'-0" wide and 1'-6" high. It features a central horizontal slot for a "Conduit (Typ.)" and two vertical slots for "Anchor Bolt, See Note 7". The plate is reinforced with "#5 Bars (Typ.)" in a grid pattern. Dimensions include 2'-6" for the top and bottom sections, 3'-0" for the left section, and 1'-6" for the bottom section. A "Cover" is indicated on the right side. Section lines A-A are shown at the top and bottom.

Diagram illustrating the anchor development plate for a light pole. The plate is shown with dimensions and components:

- Light Pole:** Indicated by a vertical line on the left.
- Anchor Bolt:** See Note 7. (Typ.)
- #5 Bars:** Two sets of bars are shown, one on each side of the plate.
- Conduit:** (Typ.)
- Anchor Development Plate:** The main plate shown.
- Dimensions:**
 - $1'-0"$ (Total width)
 - $5'-9"$ (Distance from light pole to anchor bolt)
 - $9'-1"$ (Distance from anchor bolt to end of plate)
 - $6'-9"$ (Distance from anchor bolt to end of plate, alternative dimension)
- Plate Size:** $12 \times 1'-3" \times 1'-3"$
- Note 7:** See Note 7.

VIEW A-A

1. Reinforcing steel shall be ASTM A615, Grade 60.
2. Anchor Development Plate shall be ASTM A36, Grade 36 Steel.
3. Concrete shall be Class II with a minimum 28-day compressive strength of 3.4 ksi for all environmental classifications.
4. The foundation for the Light Pole Structure shall be constructed in accordance with Section 455 of the FDOT specifications except that no payment for the foundation shall be made under Section 455.
5. This foundation is designed to resist the following Service loading at the base of the Light Pole from a pole mounted luminaire with a maximum weight of 37 lbs. and a maximum effective projected area of 2.19 ft².
Wind Moment = 4.41 kip-ft
Torsion = 0.46 kip-ft
Shear = 0.43 kip
6. If the furnished pole produces greater reactions than those listed above, then redesign the foundation submitting the necessary drawings and calculations, signed and sealed by a Professional Engineer registered in the State of Florida, to the Engineer for review and approval at no additional cost to the City.
7. The following design soil data was used in the design of these Light Pole Spread Footing foundations:
Effective Soil Unit Weight = 37.6 pcf
Internal Angle of Friction = 28°
Nominal Bearing Capacity = 2200 psf
LRFD Strength Limit States were used in the design of the Footing for eccentricity, sliding/torsion and bearing.
8. The design of the Anchor Bolts shall assure that the Anchor Bolts fit within the reinforcing and the Anchor effectively transmit the required forces to the Spread Footer foundation with the addition of the Anchor Development Plate. A minimum 4" concrete cover for the Anchor Bolts shall be maintained. Submit the necessary drawings and calculations, signed and sealed by a Professional Engineer registered with the State of Florida, for review and approval at no additional cost to the City.
9. The pull box shall not be located within the Spread Footer foundation.

5 If the furnished plate produces greater reactions than those listed above, then redesign the foundation
6 submitting the necessary drawings and calculations, signed and sealed by a Professional Engineer registered
7 in the State of Florida, to the Engineer for review and approval at no additional cost to the City.
8 The following design soil data was used in the design of these Light Pole Spread Footing foundations:
9 Effective Soil Unit Weight = 37.5 pcf
10 Internal Angle of Friction = 28°
11 Nominal Bearing Capacity = 2200 psf
12 LRFD Strength Limit States were used in the design of the footing for eccentricity, sliding/torsion and bearing
13 capacity.
14 The design of the Anchor Bolts shall assure that the Anchor Bolts fit within the reinforcing and that they
15 effectively transmit the required forces to the Spread Footer foundation with the addition of the Anchor
16 Development Plate. A minimum 4" concrete cover for the Anchor Bolts shall be maintained. Submit the
17 necessary drawings and calculations, signed and sealed by a Professional Engineer registered with the State
18 of Florida, for review and approval at no additional cost to the City.
19 The pull box shall not be located within the Spread Footer foundation

Internal Angle of Friction = 28°
Nominal Bearing Capacity = 2200 psf
LRFD Strength Limit States were used in the design of the footing for eccentricity, sliding/torsion and bearing. The design of the Anchor Bolts shall assure that the Anchor Bolts fit within the reinforcing and that they are installed in accordance with the ACI 308.4M Standard Specification for Cast-in-place Concrete Anchor Development Plugs. A minimum 4" concrete cover for the Anchor Bolts shall be maintained. Submit the necessary drawings and calculations, signed and sealed by a Professional Engineer registered with the State of Florida, for review and approval at no additional cost to the City.
The pull box shall not be located within the Spread Footer foundation

8 The pull box shall not be located within the Spread Footer foundation.

REVISIONS		DESCRIPTION
DATE	DESCRIPTION	DATE



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West Palm Beach, Florida 33411
Phone: (561) 253-9550
Richard A. Hunter, P.E. No. 60601

the 4th and 5th projects

**ST. LUCIE COUNTY
BOARD OF COUNTY COMMISSIONERS
PRIMA VISTA BOULEVARD
MEDIAN IMPROVEMENTS**

LIGHT POLE SPREAD FOOTING DETAILS

SHEET NO.

21-7

2. Now write American on the line.

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