

INTERLOCAL AGREEMENT BETWEEN BREVARD COUNTY, FLORIDA, AND THE
SCHOOL BOARD OF BREVARD COUNTY, FLORIDA

VIERA ELEMENTARY SCHOOL
TRAFFIC SIGNALIZATION

THIS INTERLOCAL AGREEMENT is made by and between the School Board of Brevard County, Florida, the governing body of the School District of Brevard County, Florida, hereinafter referred to as "SCHOOL BOARD" and Brevard County, Florida, a political subdivision of the State of Florida, hereinafter referred to as "COUNTY".

WITNESSETH:

WHEREAS, the SCHOOL BOARD constructed an elementary school located at 8300 Stadium Parkway, Viera, Florida 32940; and

WHEREAS, the access road to the elementary school is the western leg of the intersection of Stadium Parkway and Cuddington Drive; and

WHEREAS, Stadium Parkway and Cuddington Drive are under the jurisdiction of the COUNTY; and

WHEREAS, the SCHOOL BOARD and COUNTY desire to improve traffic efficiency and safety at the intersection of Stadium Parkway and Cuddington Drive; and

WHEREAS, the SCHOOL BOARD and COUNTY desire to cooperatively improve traffic operations at the intersection of Stadium Parkway and Cuddington Drive; and

WHEREAS, the COUNTY has designed and permitted improvements to the intersection of Stadium Parkway and Cuddington Drive to include signalization and turn lanes; and

WHEREAS, the signalization of the intersection will benefit the SCHOOL BOARD and the general public; and

WHEREAS, the SCHOOL BOARD and the COUNTY have agreed to jointly contribute funds to the construction of intersection improvements, hereinafter referred to as the "PROJECT", as outlined in Attachment A, which is attached hereto and incorporated herein by this reference; and

WHEREAS, the COUNTY has agreed to construct the PROJECT.

NOW THEREFORE, in consideration of the mutual promises and covenants herein contained, and other good and valuable consideration, the sufficiency of which is hereby

acknowledged, the COUNTY and SCHOOL BOARD covenant and agree that they have full power and authority to enter into this Agreement and bind their respective governmental entities as follows:

- (1) Recitals: The above recitals are true and correct and by this reference are hereby incorporated into and made an integral part of this Agreement.
- (2) Statutory Authority: This Agreement shall be considered an Interlocal Agreement pursuant to Chapter 163, Part I, Florida Statutes.
- (3) Scope of PROJECT: The PROJECT will consist of the construction of intersection improvements at Stadium Parkway and Cuddington Drive, including signalization, represented conceptually in Attachment A.
- (4) PROJECT Management:
 - (i) The COUNTY will serve as the lead agency for the PROJECT and shall be responsible for managing design, permitting, and construction, including, but not limited to, surveying, plans and specifications development, construction management, and any other work related to the PROJECT.
 - (ii) The COUNTY shall competitively procure and solicit bids for the construction of the PROJECT. The COUNTY shall provide a copy of the construction contract to the SCHOOL BOARD upon request.
 - (iii) The COUNTY shall work in good faith to consider and incorporate the SCHOOL BOARD's comments into final design when practicable, but the ultimate decision making on the design and construction of the PROJECT rests with the COUNTY.
 - (iv) The COUNTY is authorized to prepare, execute, and implement change orders for contract amendments (as needed) based on actual field conditions at the PROJECT site so as not to delay the contractor's performance and to meet the intent of the approved design for the PROJECT. Any PROJECT cost overages shall be the responsibility of the COUNTY.
- (5) SCHOOL BOARD Financial Contribution to the PROJECT: The SCHOOL BOARD shall contribute \$500,000 towards the cost of signalization of the intersection of Stadium Parkway and Cuddington Drive. The SCHOOL BOARD shall remit its share to the COUNTY upon the Flash Inspection successfully being passed by the COUNTY.
- (6) Maintenance Responsibility: The COUNTY shall have ownership and

maintenance responsibility for the signalization.

- (7) Notices: Notices shall be sent by hand delivery, overnight delivery, such as UPS or Federal Express, or certified mail, return receipt requested, and Email. Notices shall be sent to:
 - (a) SCHOOL BOARD Representative
Susan Hann, P.E.,
Assistant Superintendent Facilities Services
Brevard Public Schools - Facilities Services
2700 Judge Fran Jamieson Way
Viera, Florida 32940
 - (b) COUNTY Representative
Suzanne Reider
PW Grants and JPA Writer/Coordinator
2725 Judge Fran Jamieson Way, A-201
Viera, Florida 32940
- (8) Default: Either party to this Agreement, in the event of any act of default by the other, shall have all remedies available to it under the laws of the State of Florida.
- (9) Severability: If any part of this Agreement is found invalid or unenforceable by any court, such invalidity or unenforceability shall not affect the other parts of this Agreement if the rights and obligations of the parties contained herein are not materially prejudiced and if the intentions of the parties can still be accomplished.
- (10) Public Records; Right to Audit: In the performance of this Agreement, both parties shall keep books, records and accounts of all activities related to this Agreement. Such books, records and accounts related to the performance of this Agreement shall be open to inspection during regular business hours by an authorized representative of either party and shall be retained by the respective party for a period of at least three years after termination of this Agreement, unless otherwise dictated by Florida law. All books, records and accounts related to the performance of this Agreement shall be subject to the applicable provisions of the Florida Public Records Law, Chapter 119, Florida Statutes.
- (11) Recordation; Effective Date: This Agreement shall be recorded in the Public Records of Brevard County, Florida, as required by Section 163.01, Florida Statutes. A recorded version of this Agreement shall be provided to the SCHOOL BOARD for its records. This Agreement shall take effect (the "Effective Date") when a fully executed original Agreement is recorded by

the County in the Public Records of Brevard County, Florida.

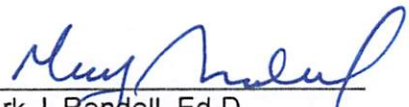
- (12) Attorney's Fees: In the event of any legal action to enforce the terms of this Agreement, each party shall bear its own attorney's fees and costs. This provision shall not be interpreted to be a pledge of ad valorem tax revenues.
- (13) Venue and Non-Jury Trial: Any legal action to enforce, interpret, or construe the terms of this Agreement shall be in a court of competent jurisdiction in and for Brevard County, Florida and the parties agree **ANY TRIAL SHALL BE NON-JURY**.
- (14) Compliance with Statutes: It shall be each party's responsibility to be aware of and comply with all federal, state, and local laws.
- (15) Entirety: This Agreement represents the understanding and agreement of the parties in its entirety. There shall be no amendments to the Agreement unless such amendments are in writing and signed by both parties.
- (16) Sovereign Immunity: Neither party waives their respective sovereign immunity nor the protections of and limitations on damages as set forth in Section 768.28, Florida Statutes. Nothing in this Agreement is intended to inure to the benefit of any third party for the purpose of allowing any claim which would otherwise be barred under the doctrine of sovereign immunity or by operation of law. This provision shall survive termination of this Agreement. Specific consideration has been given for this provision.

IN WITNESS WHEREOF, this Agreement has been fully executed on behalf of the Parties by their duly authorized representatives on the respective dates below in counterparts that, when taken together, shall be construed as one document.

ATTEST:

SCHOOL BOARD

MB



Mark J. Rendell, Ed.D
Superintendent



Gene Trent, Chairperson

As approved by the Board on: 8-26-2025

APPROVED AS TO FORM:



School Board Attorney

BREVARD COUNTY, FLORIDA

James P. Liesenfelt, County Manager
Date: _____

As approved by the Board on: 5/19/2026

Approved for legal form and content solely for Brevard County:



Deputy County Attorney

COMPONENTS OF CONTRACT PLANS SET

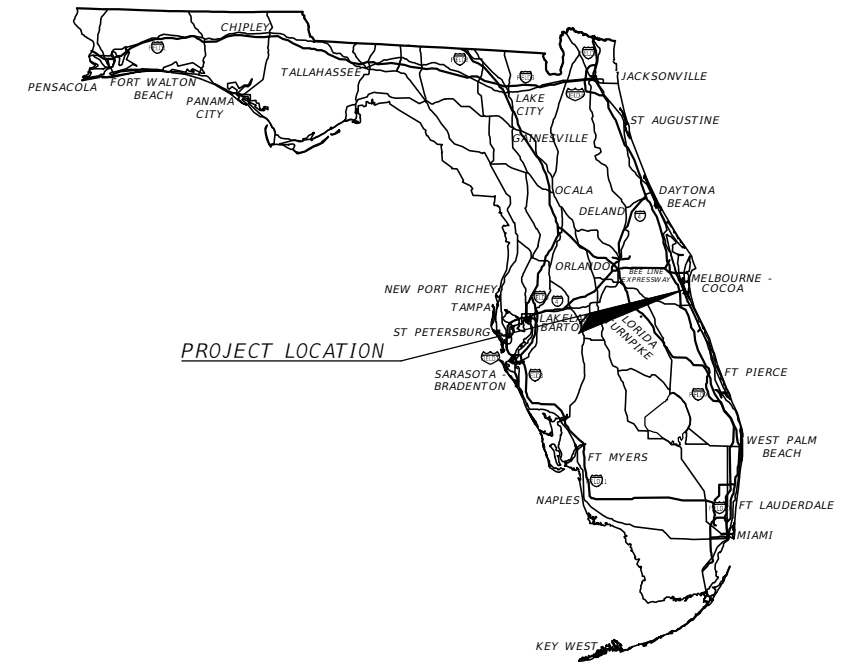
ROADWAY
SIGNALIZATION

BREVARD COUNTY,
FLORIDA

SIGNALIZATION PLANS

BREVARD COUNTY

STADIUM PARKWAY AND CUDDINGTON DRIVE
WIDENING AND INTERSECTION IMPROVEMENTS



INDEX OF SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2	SIGNATURE SHEET
T-3	TABULATION OF QUANTITIES
T-4 - T-5	GENERAL NOTES (01) - (02)
T-6	SIGNALIZATION PLAN
T-7	CONDUIT SCHEMATIC
T-8	PEDESTRIAN DETAIL
T-9	STANDARD MAST ARM TABULATION SHEET
T-10	STANDARD MAST ARM ASSEMBLIES DATA TABLE
T-11	GUIDESIGN WORKSHEET
T-12	UTILITY CONFLICT SHEET
T-13 - T-14	REPORT OF CORE BORINGS
L-1	LIGHTING GENERAL NOTES
L-2	LIGHTING LEGEND
L-3	LIGHTING DATA TABLE
L-4	LIGHTING PLAN



LOCATION MAP



PROJECT LOCATION
STADIUM PARKWAY AND CUDDINGTON DRIVE

SIGNALIZATION PLANS
ENGINEER OF RECORD:

NICOLE R. HECK
P.E. NO.: 84306
KIMLEY-HORN AND ASSOCIATES, INC
200 S. ORANGE AVENUE, SUITE 600
ORLANDO, FLORIDA 32801

BREVARD COUNTY PROJECT MANAGER:
VERÓNICA M. FIGUEROA-CHANZA, P.E.

GOVERNING STANDARD PLANS:
Florida Department of Transportation, FY2024-25 Standard plans for Road and Bridge Construction and applicable Interim Revisions (Irs).

Standard Plans for Road Construction and associated Irs are available at the following website:
<http://www.fdot.gov/design/Standardplans.shtm>

APPLICABLE IRs:

Brevard County Land Development Exhibits are available at the following website:
<https://www.brevardfl.gov/PublicWorks/Engineering>

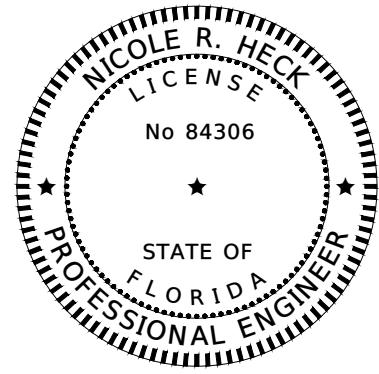
GOVERNING STANDARD SPECIFICATIONS:
Florida Department of Transportation, FY 2024-2025 Standard Specifications for Road and Bridge Construction at the following website:
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

ATTACHMENT A
INTERLOCAL AGREEMENT
Draft Signalization Plans (PROJECT)

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
	2024	T-1

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

Drawing name: \\kimley-horn.com\FL_ORL02\ORL_TPTO\249351002_BrevardCounty_TW02_StadiumPkwy\10_CAD\SIGNALS\T-2_SIGNA\T-2_SIGNA\T-2_SIGNA.dwg Oct 09, 2024 8:33am by: bobby.wyszowski
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THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

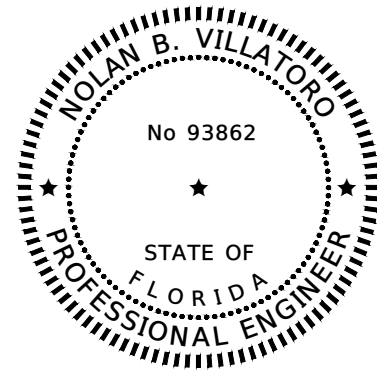
ON THE DATE ADJACENT TO THE SEAL

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KIMLEY-HORN AND ASSOCIATES
 200 SOUTH ORANGE AVENUE, SUITE 600
 ORLANDO, FL 32801
 REGISTRY NO. 35106
 NICOLE R. HECK, P.E. NO. 84306

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

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2	SIGNATURE SHEET
T-3	TABULATION OF QUANTITIES
T-4 - T-5	GENERAL NOTES (01) - (02)
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T-9	STANDARD MAST ARM TABULATION SHEET
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T-12	UTILITY CONFLICT SHEET



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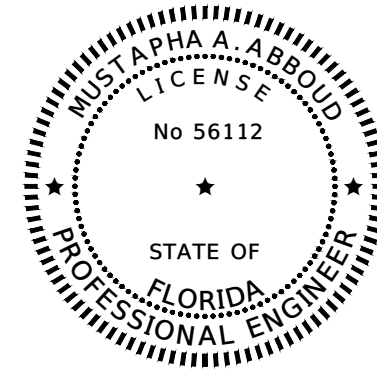
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KIMLEY-HORN AND ASSOCIATES
 200 SOUTH ORANGE AVENUE, SUITE 600
 ORLANDO, FL 32801
 REGISTRY NO. 35106
 NOLAN B. VILLATORO, P.E. NO. 93862

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

SHEET NO.	SHEET DESCRIPTION
T-2	SIGNATURE SHEET
T-10	STANDARD MAST ARM ASSEMBLIES DATA TABLE



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

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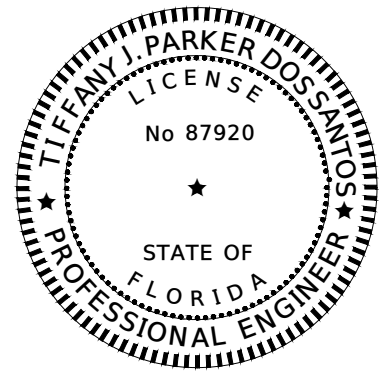
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PROFESSIONAL SERVICE INDUSTRIES, INC
 1748 33RD STREET
 ORLANDO, FL 32839

 MUSTAPHA A. ABBOUD, P.E. NO. 56112

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

SHEET NO.	SHEET DESCRIPTION
T-2	SIGNATURE SHEET
T-13	REPORT OF CORE BORINGS



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ON THE DATE ADJACENT TO THE SEAL

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KIMLEY-HORN AND ASSOCIATES
 200 SOUTH ORANGE AVENUE, SUITE 600
 ORLANDO, FL 32801
 REGISTRY NO. 35106
 TIFFANY J. PARKER DOS SANTOS, P.E. NO. 87920

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

SHEET NO.	SHEET DESCRIPTION
T-2	SIGNATURE SHEET
L-1	LIGHTING GENERAL NOTES
L-2	LIGHTING LEGEND
L-3	LIGHTING DATA TABLE
L-4	LIGHTING PLAN

ATTACHMENT A
INTERLOCAL AGREEMENT
Draft Signalization Plans (PROJECT)

KHA PROJECT 249351002	DATE 10/9/2024	SCALE AS SHOWN	DESIGNED BY JBQ	DRAWN BY JBQ	CHECKED BY NRH	
SIGNATURE SHEET						DATE
STADIUM PARKWAY AND CUDDINGTON DRIVE						DATE
BREVARD COUNTY						DATE
FLORIDA						DATE
SHEET NUMBER						DATE
T-2						DATE
REVISIONS						DATE
No.						DATE
© 2024 KIMLEY-HORN AND ASSOCIATES, INC. 200 S. ORANGE AVENUE, SUITE 600, ORLANDO, FL 32801 PHONE: 407-898-1511 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106						DATE

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS SHEET		GRAND TOTAL	
			T-6		T-7		L-4											
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF			85											85	85	
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF			165											165	165	
632-7-1	SIGNAL CABLE - NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	1													1	1	
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA			22			4								26	26	
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS			1											1	1	
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF			210											210	210	
639-3-11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA			1											1	1	
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-11 SERVICE POLE	EA			1											1	1	
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	7													7	7	
649-21-6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	1													1	1	
649-21-15	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 70'	EA	2													2	2	
649-21-21	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 78'	EA	1													1	1	
650-1-34	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 3 SECTION, 1 WAY	AS	9													9	9	
650-1-36	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 4 SECTION, 1 WAY	AS	5													5	5	
653-1-11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	6													6	6	
653-1-12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAY	AS	1													1	1	
660-4-11	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT	EA	1													1	1	
660-4-12	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA	4													4	4	
663-1-122	SIGNAL PRIORITY AND PREEMPTION SYSTEM, FURNISH AND INSTALL, GPS, DETECTOR	EA	1													1	1	
665-1-11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	8													8	8	
670-5-110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	AS	1													1	1	
682-1-133	ITS CCTV CAMERA, F&I, DOME ENCLOSURE - NON-PRESSURIZED, 1P, HIGH DEFINITION	EA	1													1	1	
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	1													1	1	
684-6-11	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL ETHERNET ACCESS POINT	EA	1													1	1	
684-6-12	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL ETHERNET SUBSCRIBER UNIT	EA	1													1	1	
685-1-13	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE WITH CABINET	EA	1													1	1	
700-3-201	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	4													4	4	
700-5-22	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	EA	4													4	4	
700-141-160	ENHANCED HIGHWAY SIGN ASSEMBLY, AC POWERED, F&I GROUND MOUNT, BLANK OUT SIGN <12 SF	EA	3													3	3	
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8-6	LF					2,045									2,045	2,045	
715-5-31	LUMINAIRE & BRACKET ARM ALUMINUM, FURNISH & INSTALL NEW LUMINAIRE AND ARM ON NEW/EXISTING POLE	EA	4													4	4	
715-500-1	POLE CABLE DISTRIBUTION SYSTEM, FURNISH AND INSTALL, CONVENTIONAL	EA					4									4	4	

PAY ITEM NOTES:

- PAY ITEM: 650-1-XX: SHALL BE BLACK POLYCARBONATE HEADS WITH DIALIGHT LED MODULES.
- PAY ITEM 660-4-12: VIDEO CAMERAS V2 & V4 SHALL BE MIOVISION-CORE DCM + SMARTVIEW 360 CAMERA. VIDEO CAMERAS V1 & V3 SHALL BE MIOVISION-SMARTVIEW APPROACH CAMERA.
- PAY ITEM 665-1-11: SHALL BE POLARA-BULLDOG III SERIES VANDAL RESISTANT ADA PUSH BUTTON (MODEL: BDL3). WIRING (CONDUCTORS) TO ACCOMMODATE FOR FUTURE ACCESSIBLE PEDESTRIAN SIGNAL (APS) DEVICES SHALL BE INCIDENTAL TO THIS PAY ITEM.
- PAY ITEM 670-5-110: TRAFFIC SIGNAL CABINET ASSEMBLY SHALL BE CUBIC COMMANDER ATC, CUBIC WIRED CABINET ASSEMBLY 700006-TS2/FL, SIZE 6 DUAL DOOR, WITH 32-CHANNEL DETECTOR PANEL. THE CABINET SHALL INCLUDE FOUR BIU'S AND DETECTOR PANEL WITH TERMINALS TO ACCOMMODATE MINIMUM 64 DETECTOR CHANNELS. THE SIGNAL CONTROLLER SHALL BE ATC SHELF MOUNT W/ ETHERNET TS-2, TYPE 1 OR BETTER PER MAINTAINING AGENCIES REQUIREMENT AND FDOT DISTRICT 5 ATMS SOFTWARE, CAPABLE OF HIGH RESOLUTION DATA LOGGING AND ARE FORWARD COMPATIBLE WITH CV AND ICM EFFORTS.
- PAY ITEM 682-1-133: SHALL BE BOSCH AUTODOME IP STARLIGHT VG5-ITS1080P-30X6 OR VG6-ITS2-40X WITH BOSCH NDA-U-RMT PENDANT PARAPET MOUNT AND PELCO PRODUCTS ASTRO-BRAC TRITON CLAMP KIT FOR 2" TUBE (PART: AB-3040-84-PNC).
- PAY ITEM 684-1-1: SHALL BE RUCKUS/COMMSCOPE-ICX7150-C12P OR ICX 8200-24P WITH TWO (2) AXIOM 1000BASE-LX SFP 1310NM 10KM LC SM TRANSCEIVERS.
- PAY ITEM 684-6-12: WIRELESS COMMUNICATION DEVICE SHALL BE UBIQUITI AIRMAX® NANOBEAM® 5AC GEN 2 (MODEL: NBE-5AC-GEN2).
- PAY ITEM 685-1-13: SHALL BE SHALL BE ALPHA FXM HP 1100 UPS WITH (4) ALPHACELL240 XTV BATTERIES, REMOTE BATTERY MONITORING SYSTEM (RBMS) PLUS, AND ALPHA SE48-2216 ENCLOSURE (BASE-MOUNTED CABINET WITH SLIDE-OUT BATTERY TRAYS AND WITH GENERATOR ACCESS PANEL AND PLUG).
- PAY ITEM: 700-5-22: SHALL BE SOUTHERN MANUFACTURING CLEAN PROFILE LED ILLUMINATED STREET NAME SIGNS.
- PAY ITEM 715-5-31: THE LUMINAIRES SHALL BE COBRA HEAD. THE LUMINAIRES SHALL BE CONTROLLED BY ONE MASTER PHOTOCELL LOCATED OUTSIDE THE ELECTRICAL SERVICE DISCONNECT WIRED TO A DEDICATED CIRCUIT BREAKER WITHIN THE ELECTRICAL SERVICE DISCONNECT.

ATTACHMENT A
INTERLOCAL AGREEMENT
Draft Signalization Plans (PROJECT)

Drawing name: \\orifp02\FL_ORL02\ORL_TPTO\249351002_BrevardCounty_TWO2_StadiumParkway\0_CAD\SIGNALS\T-3 TABULATION OF QUANTITIES.dwg T-3 TABULATION OF QUANTITIES Oct 03, 2024 6:45pm by: joshquinn

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KHA PROJECT 249351002	DATE 10/3/2024	SCALE - AS SHOWN DESIGNED BY JBQ DRAWN BY JBQ	CHECKED BY NRH	DATE:	
LICENSED PROFESSIONAL NICOLE R. HECK, P.E. FLORIDA LICENSE NUMBER 84306			REVISIONS No.		
© 2024 KIMLEY-HORN AND ASSOCIATES, INC. 200 S. ORANGE AVENUE, SUITE 600, ORLANDO, FL 32801 PHONE: 407-898-1511 WWW.KIMLEY-HORN.COM REGISTRY No. 35106					
TABULATION OF QUANTITIES					
STADIUM PARKWAY AND CUDDINGTON DRIVE					
BREVARD COUNTY FLORIDA					
SHEET NUMBER T-3					

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

Drawing name: \\orifp02\EL_ORL02\ORL_TPTO\249351002_BrevardCounty_TWO_2_StadiumParkway\10_CAD\SIGNALS\T-4-T-5 GENERAL NOTES.dwg T-4 GENERAL NOTES (01) Sep 25, 2024 8:44am by: joshquirin
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GENERAL NOTES

1. EQUIPMENT, INSTALLATION, AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) SPECIFICATIONS AND THE FOLLOWING, UNLESS OTHERWISE NOTED.
 - a. FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
 - b. FDOT DESIGN MANUAL, LATEST EDITION.
 - c. BREVARD COUNTY SUPPLEMENTAL SPECIFICATIONS FOR SIGNALIZATION AND HIGHWAY LIGHTING, APRIL 25, 2018.
 - d. IF CONFLICTS ARISE, THE BREVARD COUNTY SUPPLEMENTAL SPECIFICATIONS SHALL GOVERN.
2. THE MAINTAINING AGENCY IS BREVARD COUNTY TRAFFIC OPERATIONS. THE CONTRACTOR SHALL NOTIFY THE MAINTAINING AGENCY AT LEAST 72 HOURS BEFORE BEGINNING TRAFFIC SIGNAL RELATED WORK (321-455-1440).
3. THE CONTRACTOR SHALL MAINTAIN THE TRAFFIC SIGNAL DURING THE PROJECT, FROM THE TIME WORK BEGINS OR ANY GROUND IS BROKEN ON SITE UNTIL FINAL ACCEPTANCE.
4. IN THE EVENT THAT PERMANENT VEHICLE DETECTION IS DISRUPTED, THE CONTRACTOR SHALL PROVIDE AN ALTERNATE MEANS OF DETECTION TO ALL LANES APPROACHING THE INTERSECTION, SEPARATING EACH MOVEMENT WHICH PREVIOUSLY HAD DETECTION.
5. THE CONTRACTOR SHALL HAVE AN IMSA LEVEL II CERTIFIED SIGNAL TECHNICIAN ON CALL WITHIN A MAXIMUM OF TWO HOURS RESPONSE TIME.
6. THE CONTRACTOR SHALL COORDINATE THE FINAL ACCEPTANCE INSPECTION IN ACCORDANCE WITH FDOT SPECIFICATION 611-2.2 WITH BOTH THE ENGINEER OF RECORD AND THE MAINTAINING AGENCY AT LEAST TEN DAYS IN ADVANCE SO THAT THEY CAN BE PRESENT. SIGNAL INSTALLATION INSPECTION REQUIREMENTS SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATION 105-8.9.
7. THE CONTRACTOR IS REQUIRED TO SUBMIT ONE (1) ELECTRONIC COPY AND ONE (1) HARD COPY OF THE AS-BUILT DRAWINGS TO BREVARD COUNTY TRAFFIC OPERATIONS PRIOR TO INSPECTION OF THE COMPLETE TRAFFIC CONTROL SIGNAL AND DEVICE INSTALLATION. THE AS-BUILT DOCUMENTATION AND COMPONENTS SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATION 611-2.3.
8. THE CONTRACTOR IS REQUIRED TO PERFORM FIELD TESTS OF INSTALLATIONS IN ACCORDANCE WITH FDOT SPECIFICATION 611-4.
9. CHANGES IN THE PLACEMENT OF VEHICLE DETECTION LOOPS, ZONES OR ANY PART OF THE SIGNALIZATION PLANS ARE PROHIBITED, UNLESS WRITTEN APPROVAL IS OBTAINED FROM BREVARD COUNTY TRAFFIC OPERATIONS MANAGER OR THEIR DESIGNATED REPRESENTATIVE.
10. DETECTOR UNIT RACKS SHALL BE PLAINLY LABELED BY DETECTOR AND PHASE IN ACCORDANCE WITH THE SIGNAL-OPERATING PLAN AND NEMA STANDARD.
11. ALL SIGNAL HEADS SHALL HAVE TUNNEL VISORS, LED DISPLAYS, AND RETRO-REFLECTIVE BACKPLATES.
12. ALL VEHICULAR SIGNAL HEADS SHALL BE BLACK ALL POLYCARBONATE. FOR SPANWIRE INSTALLATIONS, THE TOP SECTION OF THE THREE-SECTION HEADS SHALL BE REINFORCED WITH A STAINLESS STEEL PLATE. ALL FIVE-SECTION SIGNAL HEADS SHALL OPEN AWAY FROM THE CENTER OF THE SIGNAL HEAD FOR SERVICE ACCESS.
13. ~~FOR SPANWIRE INSTALLATIONS, FIVE SECTION SIGNAL HEADS SHALL BE LIGHTWEIGHT WITH AN ALUMINUM TOP SECTION.~~
14. PEDESTRIAN FACILITIES SHALL NOT BE OBSTRUCTED BY SIGNAL EQUIPMENT AND SHALL MEET ALL ADA REQUIREMENTS.
15. THE CONTROLLER CABINET SHALL BE ORIENTED SO THAT THE DOOR OPENS AWAY FROM THE INTERSECTION.
16. THE CONTRACTOR SHALL HAND DIG THE FIRST FOUR (4) FEET AT EACH POLE LOCATION AND TWO (2) FEET AT EACH PEDESTAL LOCATION TO VERIFY NO UTILITIES CONFLICTS.
17. THE CONTRACTOR SHALL VERIFY COLOR CODES FOR BOTH SIGNAL CABLE AND INTERCONNECT CABLE WITH BREVARD COUNTY BEFORE ORDERING.
18. EQUIPMENT SHALL MEET THESE FUNCTIONAL SPECIFICATIONS OR REQUIREMENTS:
 - a. SIGNAL CONTROLLERS AND CABINETS - CABINET SHALL BE OF NEMA TS-2 TYPE 1 CONFIGURATION OF THE TRAFFICWARE DESIGN. EQUIPMENT SHALL BE COMPATIBLE WITH BREVARD COUNTY ATMS SYSTEM UTILIZING THE TRAFFICWARE ATMS.NOW SOFTWARE.
 - b. UNINTERRUPTIBLE POWER SUPPLIES - UPS UNITS SHALL INCLUDE AN ETHERNET REMOTE MANAGEMENT MODULE AND BE IP ADDRESSABLE. UNITS SHALL PROVIDE REMOTE HTTP WEB PAGE MANAGEMENT. A MINIMUM OF 1100 VA CAPACITY (9.1 AMPS OUTPUT) IS REQUIRED. UNITS SHALL PROVIDE VOLTAGE REGULATION IN VARIABLE POWER CONDITIONS. ADDITIONALLY, BATTERIES SUPPLIED WITH THE SYSTEM SHALL BE 100 AMP HOUR MINIMUM GAS MAT CONSTRUCTION.
 - c. GENERATORS - ES3000iS HONDA 3000WATT, 120V ELECTRIC START WITH INVERTER THAT PROVIDES STABLE POWER FOR COMPUTER EQUIPMENT.
 - d. TRAFFIC SIGNAL SERVICE PANEL - MEETING SPECIFICATIONS OF SQUARE D QO SERIES WITH LIGHTNING ARRESTER TERMINATED UNDER SEPARATE LUG AS REQUIRED BY NFPA 70, NATIONAL ELECTRICAL CODE.
 - e. TRAFFIC SIGNAL HEADS SHALL INCLUDE MINIMUM OF FIVE BOLTS CONNECTING THE BLACK POLYCARBONATE SIGNAL SECTIONS IN ADDITION TO THE TRI-STUD COUPLING. ADDITIONALLY, THE TOP SECTION SHALL INCLUDE A STAINLESS STEEL REINFORCEMENT PLATE TO STRENGTHEN THE TRI-STUD ATTACHMENT (REFER TO NOTE 13 FOR 5-SECTION SIGNAL HEAD).
 - f. PEDESTRIAN SIGNAL INDICATIONS SHALL BE 16" x 18" AND INCLUDE A LED COUNTDOWN DISPLAY.
 - g. PEDESTRIAN SIGNAL ASSEMBLIES SHALL BE BLACK POLYCARBONATE. THE MOUNTING ARMS SHALL BE EITHER POLYCARBONATE OR ALUMINUM. THE SIGNAL HEAD SHALL HAVE (2) - 1/4" WEEP HOLES PLACED IN THE BOTTOM.
 - h. PEDESTRIAN DETECTORS SHALL BE PIEZO ACTIVATED AND INCLUDE A MOMENTARY INDICATOR AND AUDIBLE TONE AS THE POLARA BULLDOG DETECTOR PROVIDES, DETECTOR HOUSING SHALL HAVE (1) - 1/4" WEEP HOLE PLACED IN THE BOTTOM.
 - i. VIDEO DETECTION - VIDEO DETECTION - MIOVISION CORE DCM + SMARTVIEW 360 CAMERA AND SMARTVIEW APPROACH CAMERAS, AND WITH SMARTSENSE 2-CAMERA DETECTION PLUS INTERSECTION MOVEMENT COUNT (IMC) PLATFORM.
 - j. ~~VIDEO DETECTION - GRIDSMAST - THE VIDEO DETECTION SYSTEM SHALL UTILIZE A TWO-CAMERA SYSTEM, MANUFACTURER APPROVED SHIELDED INSULATED ETHERNET CABLE WILL BE USED FROM CAMERA TO CONTROLLER CABINET. THE VIDEO DETECTION SYSTEM SHALL BE INSTALLED AS TO MANUFACTURER DESIGN SPECIFICATIONS AND SHALL CONFORM TO THE NEMA TS2 STANDARD. NO OTHER VIDEO DETECTION SYSTEM WILL BE ACCEPTED.~~
19. DISCONNECTS SHALL BE 18 CIRCUIT TERMINAL BLOCK SO THAT EACH WIRE OF A SIGNAL CABLE CAN BE TERMINATED UNDER A COMPRESSION TYPE SCREW. ALL SPARES ARE TO BE TERMINATED TO TERMINAL BLOCK OVERHEAD.
20. ~~IN SPAN MOUNTED INSTALLATIONS, SIGNAL HEADS SHALL BE WIRED DIRECTLY TO THE TERMINAL BLOCK WITHOUT USING "CINCH JONES" PLUGS. DROP HANGERS SHALL BE TRI-STUD AND SERRATED. ADJUSTABLE DROP PIPES ARE PROHIBITED.~~
21. A MINIMUM OF SIX (6) INCHES OF SLACK SHALL BE PLACED IN THE CONDUCTORS WHICH BYPASS HANGERS OR DISCONNECTS IN ORDER TO PREVENT CHAFFING AND TO PROVIDE FOR SERVICEABILITY.
22. ~~IN SPAN MOUNTED INSTALLATIONS, TWO RUNS OF 16 CONDUCTOR SIGNAL CABLE SHALL BE PROVIDED FOR FUTURE EXPANSION. PEDESTRIAN HEADS AND PUSH BUTTON DETECTORS SHALL BE CABLED WITH 12-CONDUCTOR CABLE AND SHALL HAVE AT LEAST TWO SPARE WIRES FOR EACH HEAD OR BUTTON.~~
23. IN MAST ARM INSTALLATIONS, A SEPARATE CABLE SHALL BE RUN FROM MAST ARM BASE TO EACH SIGNAL HEAD. ALL VEHICULAR SIGNAL HEADS SHALL BE PROVIDED WITH THREE SPARE WIRES. PEDESTRIAN SIGNALS SHALL BE CONNECTED WITH A 5-CONDUCTOR CABLE AND PEDESTRIAN PUSH BUTTONS SHALL BE CONNECTED WITH A MINIMUM OF 3-CONDUCTOR CABLE. BELDEN WIRE ARE PROHIBITED.
24. BASKET TYPE CABLE STRAIN RELIEF SHALL BE UTILIZED TO SUSPEND CABLES FROM THE J-HOOK OF MAST ARM ASSEMBLIES. A MINIMUM OF SIX (6) FEET OF SLACK IN SIGNAL CONDUCTOR CABLES SHALL BE PLACED WITHIN THE UPRIGHT BASE SUCH THAT THE TERMINAL BLOCK CAN BE REMOVED FROM THE UPRIGHT TO ALLOW FOR TROUBLE SHOOTING.
25. ALL CABLING SHALL BE LABELED BY CABLE AND BY WIRE. INTERCONNECT CABLING SHALL INDICATE DIRECTION AND NEXT TERMINATED CABINET. ALL SPARES SHALL BE LABELED AS SPARES IN ASSOCIATED RUN SUCH AS "WB ARM" FOR THE WESTBOUND MASTARM SPARES. LABELING SHALL BE ATTACHED TO CABLE NEAR THE TERMINATION POINT.
26. CABINET WIRING SHALL BE NEATLY BUNDLED, SEPARATED, AND LABELED MAST ARM ASSEMBLIES SHALL BE UNPAINTED, GALVANIZED STEEL UNLESS DIRECTED DIFFERENTLY BY THE TRAFFIC OPERATIONS MANAGER.
27. THREE (3) CONDUIT RUNS SHALL BE PROVIDED BETWEEN EACH POLE AND THE CABINET ENTRY PULL BOX. PULL STRINGS SHALL BE INSTALLED IN EMPTY CONDUITS. AT A MINIMUM, THERE SHALL BE TEN (10) 2-INCH SCHEDULE 40 PVC CONDUITS ENTERING THE CONTROLLER CABINET AND THREE (3) 2-INCH SCHEDULE 40 PVC CONDUITS ENTERING THE UPS CABINET. SEE CABINET BASE DIAGRAM FOR ADDITIONAL INFORMATION.
28. PEDESTRIAN CABLE ASSEMBLIES SHALL BE CONTINUOUS FROM MOUNTING LOCATION TO CONTROL CABINET OR MAST ARM UPRIGHT. SPLICING WILL NOT BE ACCEPTED IN INTERMEDIATE LOCATIONS OR DISCONNECT HANGERS WITHOUT PRIOR WRITTEN APPROVAL FROM BREVARD COUNTY TRAFFIC OPERATIONS.
29. THE TRAFFIC OPERATIONS MANAGER, OR DESIGNATED REPRESENTATIVE, RESERVES THE RIGHT TO MAKE FIELD ADJUSTMENTS, IN WRITING.
30. THE CONTRACTOR SHALL FURNISH AND INSTALL GROUNDING AND LIGHTNING PROTECTION IN ACCORDANCE WITH FDOT SPECIFICATION 620. THE BREVARD COUNTY TRAFFIC SYSTEMS SUPERVISOR, OR DESIGNATED REPRESENTATIVE, SHALL BE PRESENT WHEN GROUND RODS ARE INSTALLED. CONTRACTOR SHALL SUBMIT ALL TEST REPORT DATA TO BREVARD COUNTY PRIOR TO FINAL ACCEPTANCE.
31. ELECTRICAL SERVICE REQUIRES A METER CAN, PER FPL SPECIFICATIONS, AS FOLLOWS:
 - a. ALL METER SOCKETS (METER ENCLOSURES) ARE TO BE PROVIDED AND INSTALLED BY THE CUSTOMER AND SHALL BE LISTED ON FPL'S APPROVED METER ENCLOSURE LIST.
 - b. THE METER ENCLOSURE SHOULD BE MARKED WITH THE ADDRESS AND IDENTIFIED AS A TRAFFIC SIGNAL SERVICE.
 - c. ~~ALL TRAFFIC SIGNAL PLANS NEED TO INCLUDE A RISER DIAGRAM FOR THE NEW SERVICE.~~
 - d. SERVICE TO TRAFFIC SIGNALS WILL BE 120V TO GROUND UNLESS SPECIFIED OTHERWISE. FEE FOR UNDERGROUND SERVICE SHALL BE PER THE CURRENT FPL TARIFF AND NEEDS TO BE PAID A MINIMUM THREE WEEKS PRIOR TO SERVICE CONNECTION. THE CONTRACTOR MUST PROVIDE AND INSTALL TRAFFIC SIGNAL HAND HOLE AT THE BASE OF DESIGNATED FPL POLE WITH 2" CONDUIT FROM HAND HOLE TO A 90 DEGREE BEND AT BASE OF POLE. HAND HOLE AND CONDUIT MUST BE INSTALLED TWO WEEKS PRIOR TO INSTALLATION OF FPL U-GUARD AND SERVICE CONDUCTOR UP THE POLE. IF LOCATION IS SERVED BY BURIED ELECTRIC, CONTACT FPL RELOCATION COORDINATOR TO COORDINATE CONNECTION OF ELECTRIC SERVICE.
32. PULL, SPLICE, AND JUNCTION BOX INSTALLATIONS AND RELOCATIONS SHALL MEET THE REQUIREMENTS OF FDOT SPECIFICATION 635 AND FDOT INDEX 635. SEPARATE PULL BOXES SHALL BE PROVIDED FOR SIGNAL, COMMUNICATION AND POWER CABLES.
33. AN ANTI-SIEZE COMPOUND SHALL BE APPLIED TO THE THREADS OF ALL NUTS, BOLTS, AND ATTACHMENT HARDWARE WHICH ARE EXPOSED TO WEATHER.
34. A CONTACT PASTE SHALL BE APPLIED TO ALL CONNECTIONS INSIDE THE SERVICE DISCONNECT.
35. THE COUNTY SHALL HAVE FIRST RIGHT TO ANY EQUIPMENT DESIGNATED TO BE REMOVED FROM THE SITE. THE CONTRACTOR SHALL DELIVER ANY CLAIMED EQUIPMENT TO BREVARD COUNTY TRAFFIC OPERATIONS 580 MANOR DRIVE, MERRITT ISLAND, FLORIDA. ANY EQUIPMENT NOT CLAIMED BY BREVARD COUNTY SHALL BE DISPOSED OF PROPERLY BY THE CONTRACTOR, PER FDOT SPECIFICATION.

**ATTACHMENT A
INTERLOCAL AGREEMENT
Draft Signalization Plans (PROJECT)**

KIMLEY-HORN	DATE					
Kimley»Horn	REVISIONS					
© 2024 KIMLEY-HORN AND ASSOCIATES, INC. 200 S. ORANGE AVENUE, SUITE 600, ORLANDO, FL 32801 PHONE: 407-898-1511 WWW.KIMLEY-HORN.COM REGISTRY No. 35106	No.					
LICENSED PROFESSIONAL	NICOLE R. HECK, P.E.	KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY
		249351002	9/25/2024	AS SHOWN	JBO	JBO
					FLORIDA LICENSE NUMBER	CHECKED BY
					84306	NRH
						DATE:
						F.A.C.
GENERAL NOTES (01)						
STADIUM PARKWAY AND CUDDINGTON DRIVE						
SHEET NUMBER						
T-4						

BREVARD COUNTY FLORIDA

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

Drawing name: \\orlf\p02\FL_ORL02\ORL_TPTO\249351002_BrevardCounty_TWO_2_StadiumParkway\10_CAD\SIGNALS\T-4-T-5 GENERAL NOTES.dwg T-5 GENERAL NOTES (02) Sep 25, 2024 8:44am by: joshquin
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36. EXISTING SECTION CORNERS, 1/4 SECTION CORNERS, PROPERTY CORNERS, OR MONUMENTS TO BE DISTURBED BY CONSTRUCTION SHALL BE REFERENCED AND RESET BY A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF FLORIDA.
37. THE CONTRACTOR SHALL PROTECT ALL GEODETIC MONUMENTS. IF ANY MONUMENTS ARE TO BE DISTURBED, THE CONTRACTOR SHALL NOTIFY:

NATIONAL OCEAN SERVICE ADVISOR
BUREAU OF SURVEYING AND MAPPING
3900 COMMONWEALTH BOULEVARD, MS 105
TALLAHASSEE, FL 32303
850-245-2606
38. THE LOCATIONS OF KNOWN UTILITIES SHOWN ON THE PLAN ARE APPROXIMATE ONLY; EXACT LOCATIONS OF UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING, NOTIFYING, AND LOCATING ALL EXISTING UTILITIES WITHIN THE LIMITS OF CONSTRUCTION. ANY UTILITY RELOCATION REQUIRED AFTER THE NOTICE TO PROCEED WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO COMPENSATION WILL BE CONSIDERED.
39. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY ALL UTILITIES IN THE AREA THAT MAY BE AFFECTED BY THE WORK. THIS IS IN ADDITION TO THE REQUIREMENT OF CONTACTING "SUNSHINE 811" AT (800) 432-4770.

UTILITIES

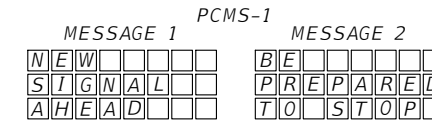
1. ALL EXISTING UTILITIES WITHIN PROJECT LIMITS ARE TO REMAIN UNLESS OTHERWISE NOTED.
2. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY.
3. THE CONTRACTOR SHALL NOTIFY UTILITY OWNERS THROUGH SUNSHINE STATE ONE CALL OF FLORIDA (1-800-432-4770) AND THE UTILITY OWNERS LISTED BELOW A MINIMUM OF TWO BUSINESS DAYS IN ADVANCE OF BEGINNING CONSTRUCTION ON THE JOB SITE.
4. UTILITY/AGENCY OWNERS:

UTILITY	CONTACT NAME	CONTACT INFORMATION
AT&T/DISTRIBUTION	CRAIG STEIN	(321) 537-9283
BREVARD COUNTY WATER RESOURCES	JENN HARRELL	(321) 633-2093
CHARTER COMMUNICATIONS	CHRISTOPHER LOCKWOOD	(321) 757-6518
CITY OF COCOA	JOHN PERRIN	(321) 433-8793
FLORIDA CITY GAS	JEREL RODRIGUEZ	(305) 835-3609
FPL (ELECTRIC)	BRIAN BABCOX	(321) 726-4834
ZAYO	HENRY KLOBUCAR	(406) 496-6510

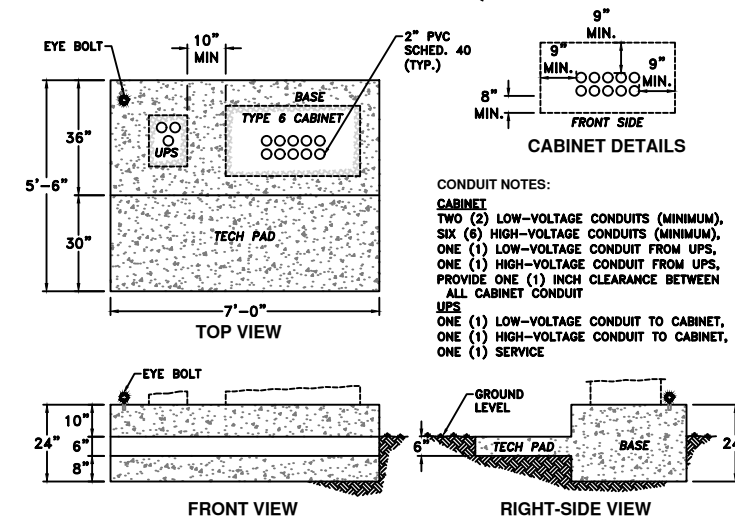
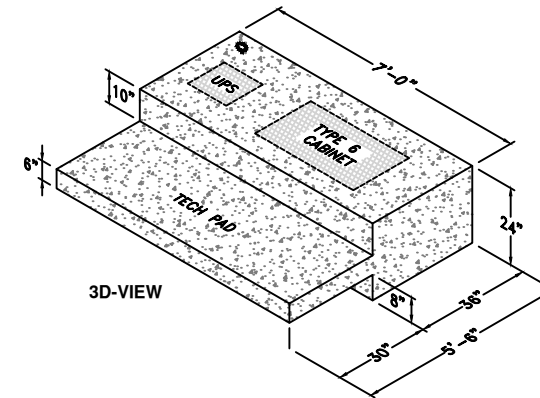
5. CONTRACTOR SHALL ADJUST ALL UTILITY LIDS AND COVERS TO FINISHED GRADE AS REQUIRED.
6. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES THAT ARE TO REMAIN IN PLACE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION, AND FOR NOTIFYING THE VARIOUS UTILITY COMPANIES TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION, DISRUPTION OF SERVICE, OR CLARIFICATION OF ACTIVITY REGARDING SAID UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THESE PLANS OR FIELD LOCATED. UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED BY THE RESPECTIVE UTILITY COMPANY AND THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY COMPANY DURING RELOCATION OPERATIONS. ANY DELAY OR INCONVENIENCE BY THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT.
8. THE CONTRACTOR SHALL LOCATE AND VERIFY THE DEPTHS AND LOCATIONS OF ALL EXISTING UTILITIES WITHIN THE LIMITS FOR WORK, PRIOR TO ORDERING ANY STRUCTURES.
9. PRIOR TO EXCAVATING IN THE VICINITY OF A GAS PIPELINE THE CONTRACTOR SHALL NOTIFY THE GAS UTILITY OWNER IN ACCORDANCE WITH THE REQUIREMENTS OF FLORIDA STATUTES, PROTECTION OF UNDERGROUND PIPELINES, F.S. 553.851, CH. 77-143.

MAINTENANCE OF TRAFFIC

1. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (2009) AND THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION FY 2023-24.
2. IF THE CONTRACTOR REQUIRES OTHER THAN THE FDOT STANDARD PLANS 102 SERIES INDICES, THEN THE CONTRACTOR WILL HAVE TO SUBMIT SIGNED AND SEALED PLANS TO THE CITY FOR REVIEW AND APPROVAL.
3. THE POSTED SPEED ON STADIUM PARKWAY OF 40 MPH SHALL REMAIN DURING ALL PHASES OF CONSTRUCTION. THE POSTED SPEED ON CUDDINGTON DRIVE OF 30 MPH SHALL REMAIN DURING ALL PHASES OF CONSTRUCTION.
4. PLACE THE FOLLOWING PORTABLE CHANGABLE MESSAGE SIGN (PCMS) APPROXIMATELY 600' IN ADVANCE OF THE INTERSECTION ONCE SIGNAL IS IN FULL OPERATION (FLASH MODE IS NOT APPLICABLE) ON BOTH APPROACHES. IT SHOULD BE DISPLAYED FOR 14 DAYS (2 WEEKS). PCMS TO DISPLAY THE 2-PHASE MESSAGE (MESSAGE 1 AND 2).



CABINET BASE DIAGRAM



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NO.	REVISIONS	DATE	BY

Kimley»Horn
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200 S. ORANGE AVENUE, SUITE 600, ORLANDO, FL 32801
PHONE: 407-898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

LICENSED PROFESSIONAL
NICOLE R. HECK, P.E.
FLORIDA LICENSE NUMBER 84306
DATE: _____

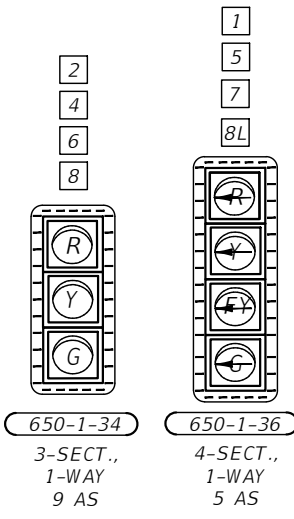
**GENERAL NOTES
(02)**

STADIUM PARKWAY
AND CUDDINGTON
DRIVE
FLORIDA
BREVARD COUNTY

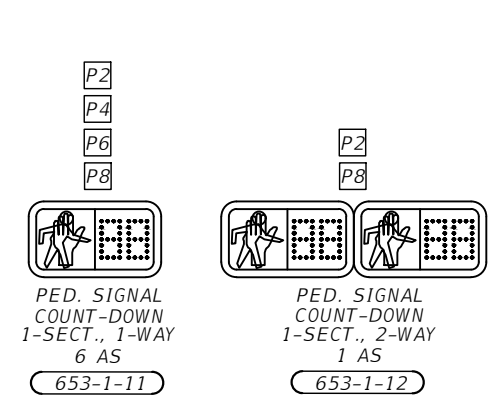
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Drawing name: \\nrrfp02\VL_ORL02\ORL_TPT02\249351002_BrevardCounty_TWO2_StadiumPky\NO_CAD\SIGNALS\T-12_SIGNAL PLAN_Oct.03.2024_4:10pm by: josh.quinn
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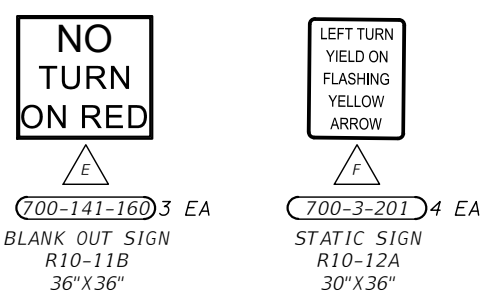
SIGNAL DISPLAY DETAILS



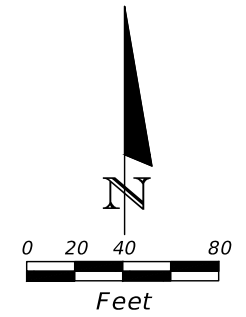
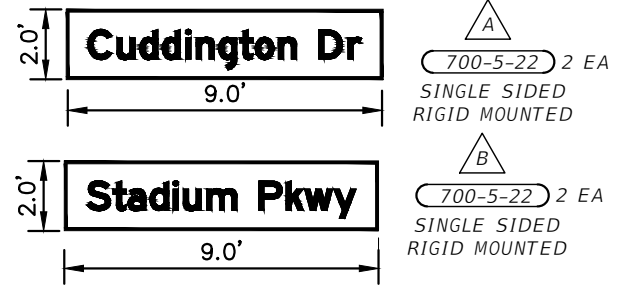
PEDESTRIAN DISPLAY DETAILS



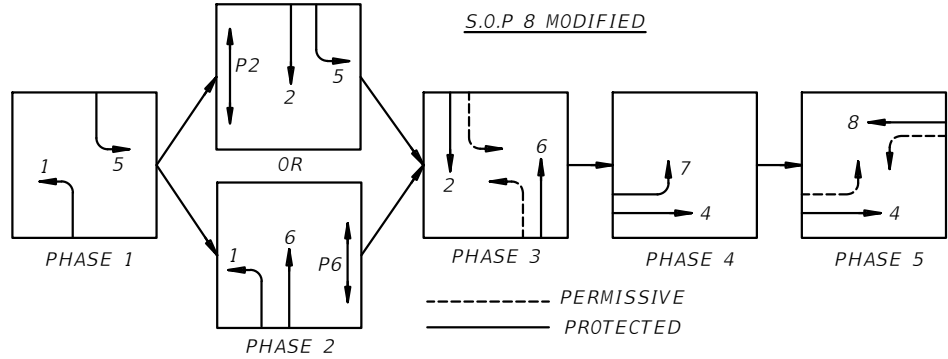
OVERHEAD SIGN DETAILS



OVERHEAD STREET NAME SIGN DISPLAY DETAILS



SIGNAL OPERATING PLAN



CONTROLLER TIMING PLAN							
CONTROLLER PHASE	1	2	4	5	6	7	8
DIRECTION	NBL	SB	EB	SBL	NB	EBL	WB
TURN TYPE	PT/PM	-	-	PT/PM	-	PT/PM	-
MINIMUM GREEN	5.0	15.0	7.0	5.0	15.0	5.0	7.0
EXTENSION (PASSAGE)	3.0	5.0	3.0	3.0	5.0	3.0	3.0
MAXIMUM GREEN I	20	50	35	25	25	35	50
MAXIMUM GREEN II	20	45	30	25	25	25	25
YELLOW	4.4	4.4	3.7	4.4	4.4	3.7	3.7
ALL RED	3.3	3.6	4.1	3.6	3.6	4.1	4.1
PEDESTRIAN WALK	-	7	7	-	7	-	7
FLASH DON'T WALK	-	18	27	-	16	-	30
DUAL ENTRY							
RECALL							

- FLASHING YELLOW ARROW FOR MOVEMENT 3 (PHASE 8L) WILL ONLY OPERATE AS PERMISSIVE BUT SHOULD BE WIRED TO OPERATE AS PROTECTED/PERMISSIVE.
- BLANK OUT SIGN WILL ACTIVATE WHEN PUSH BUTTON PHASE IN CONFLICT WITH RESPECTIVE RIGHT TURN MOVEMENT IS ACTIVATED.
- SIGNAL TIMINGS ARE INITIAL AND MAY NEED FIELD ADJUSTMENTS.

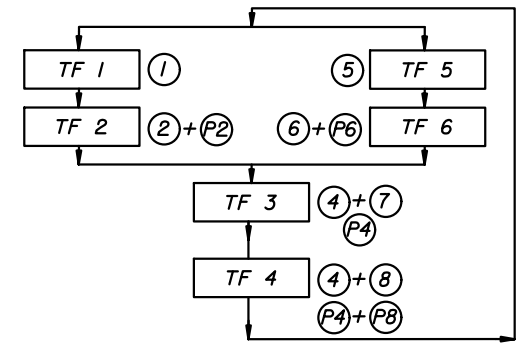
VIDEO DETECTION ASSIGNMENTS

VIDEO CAMERA	DETECTION ZONE NO.	SIZE	DETECTOR OPERATION	DELAY TIME (SECONDS)
V1	1	6' X 40'	NORMAL	-
	6	6' X 6'	NORMAL	-
V2	4	6' X 40'	DELAY	5
	7	6' X 40'	NORMAL	-
V3	2	6' X 6'	NORMAL	-
	5	6' X 40'	NORMAL	-
V4	8A	6' X 40'	NORMAL	-
	8B	6' X 40'	DELAY	5

DELAY TIMINGS ARE INITIAL AND MAY NEED FIELD ADJUSTMENTS.

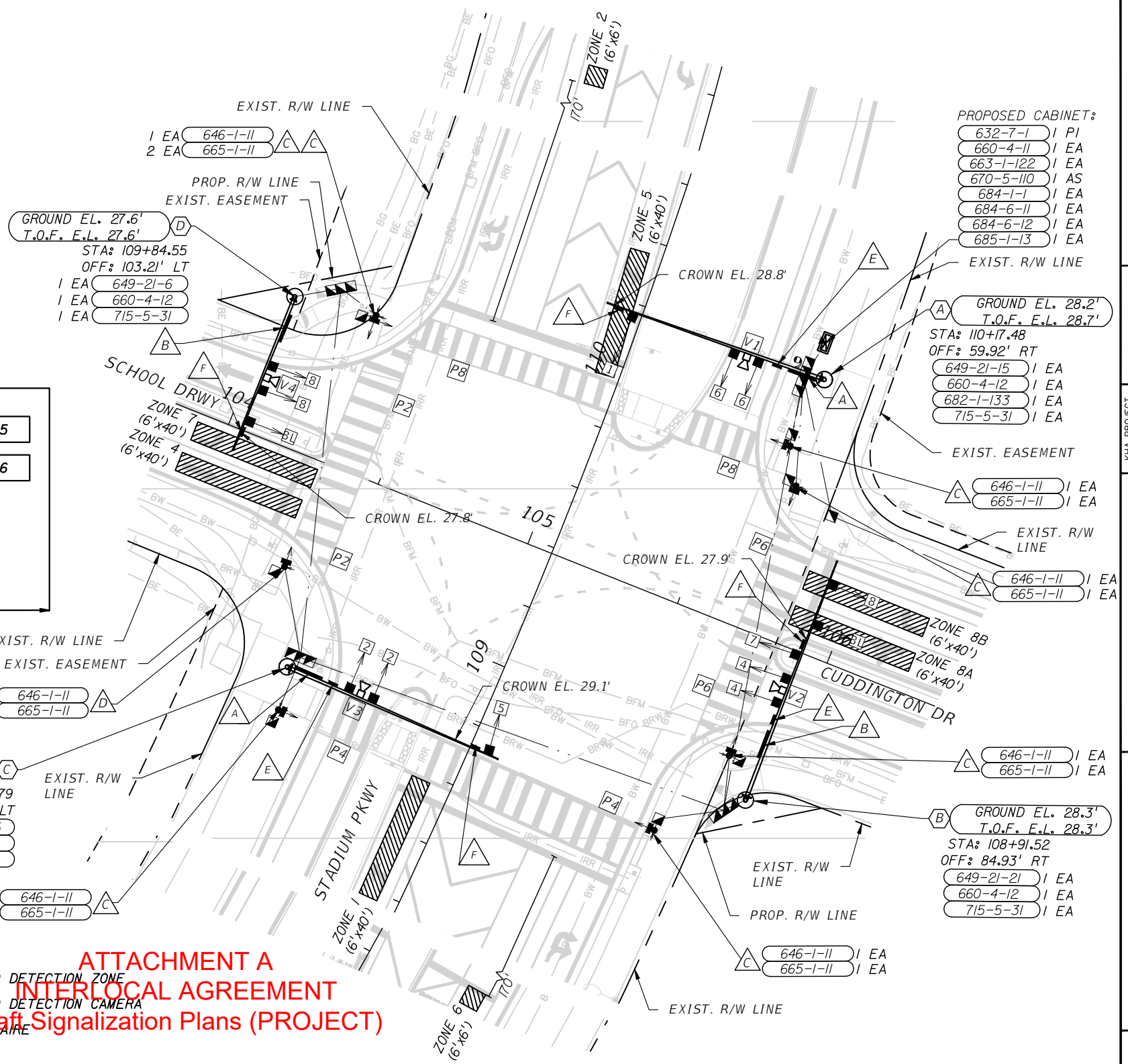
GENERAL NOTES:

- MAJOR STREET IS STADIUM PARKWAY (SPEED LIMIT IS 40 MPH). MINOR STREET NAME IS CUDDINGTON DRIVE (SPEED LIMIT IS 30 MPH).
- ALL STATION AND OFFSETS ARE MEASURED OFF OF CL CONST. STADIUM PARKWAY.



LEGEND:

- VIDEO DETECTION ZONE
- VIDEO DETECTION CAMERA
- LUMINAIRE

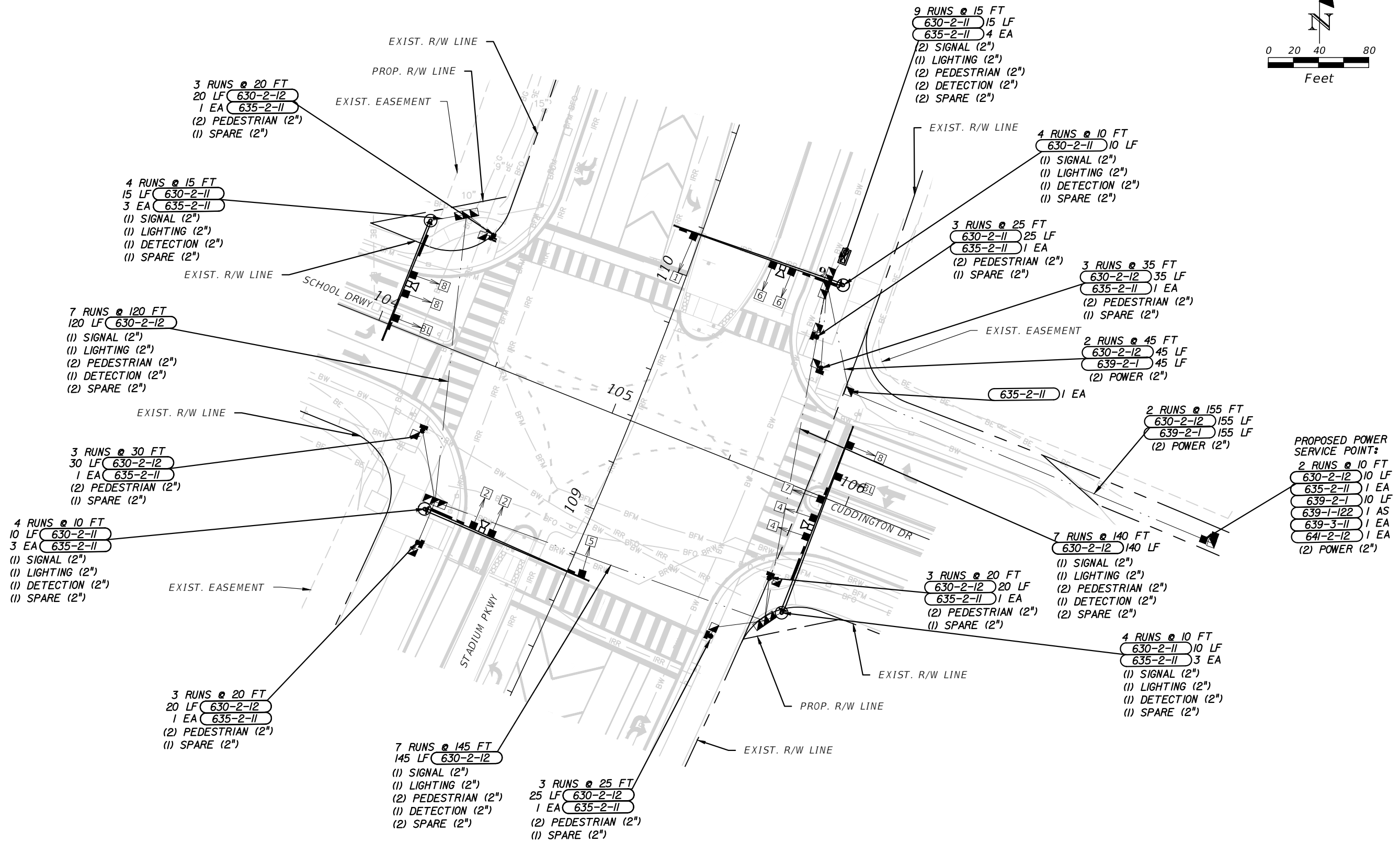


ATTACHMENT A
INTERLOCAL AGREEMENT
Draft Signalization Plans (PROJECT)

DATE		REVISIONS		No.	
LICENSED PROFESSIONAL NICOLE R. HECK, P.E. DATE: 10/3/2024 SCALE: AS SHOWN DESIGNED BY: JIBQ DRAWN BY: JIBQ CHECKED BY: NRH DATE:					
SIGNALIZATION PLAN					
STADIUM PARKWAY AND CUDDINGTON DRIVE					
FLORIDA BREVARD COUNTY					
SHEET NUMBER T-6					

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Drawing name: \\nrfp02\VL_ORL02\ORL_TPT02\249351002_BrevardCounty_TWO2_StadiumPkwy\0_CAD\SIGNALS\T13_CONDUIT_SCHEMATIC.dwg T-13 CONDUIT SCHEMATIC Oct. 03, 2024 4:10pm by: joshquinn
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 PHONE: 407-898-1511
 WWW.KIMLEY-HORN.COM REGISTRY No. 35106

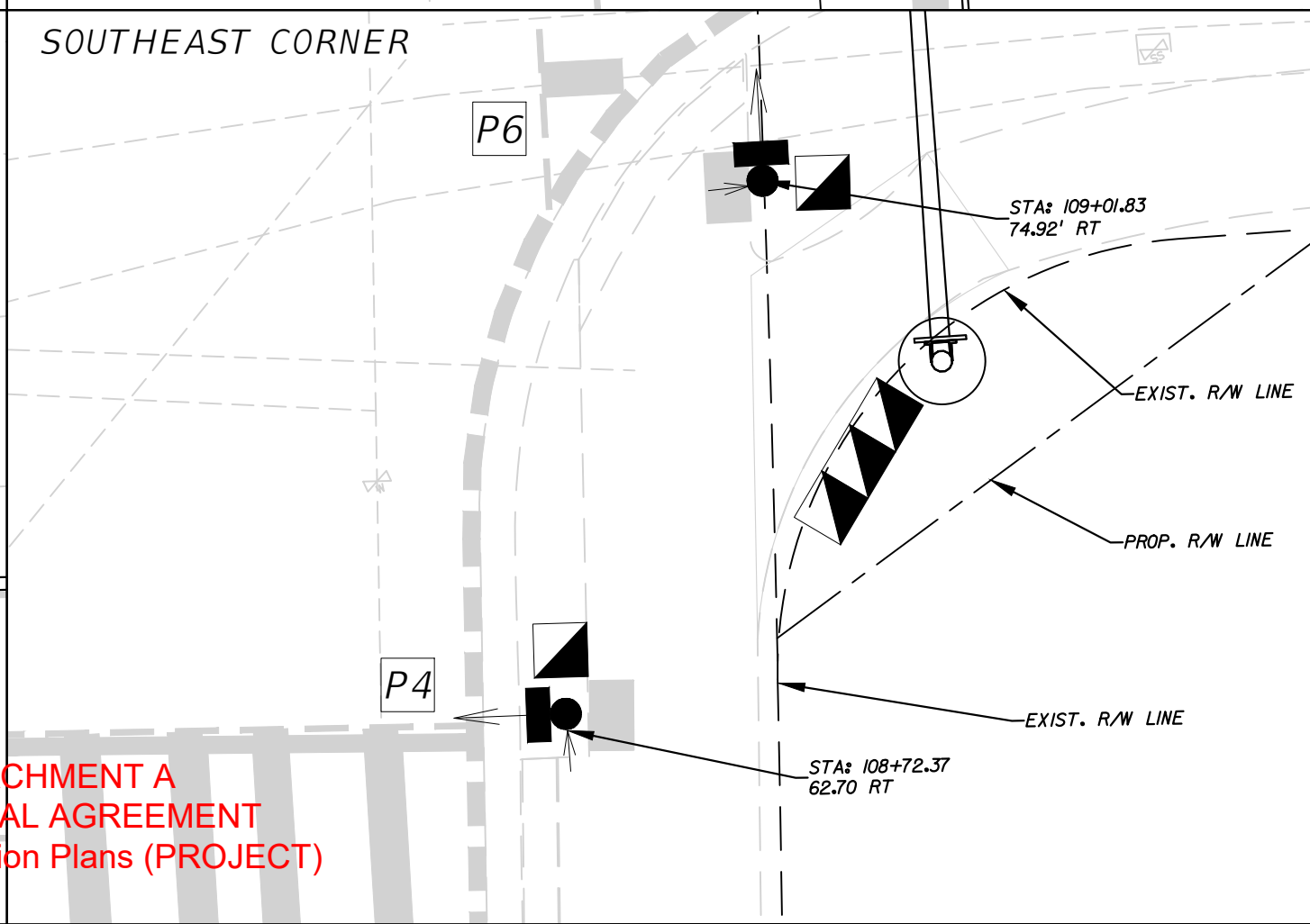
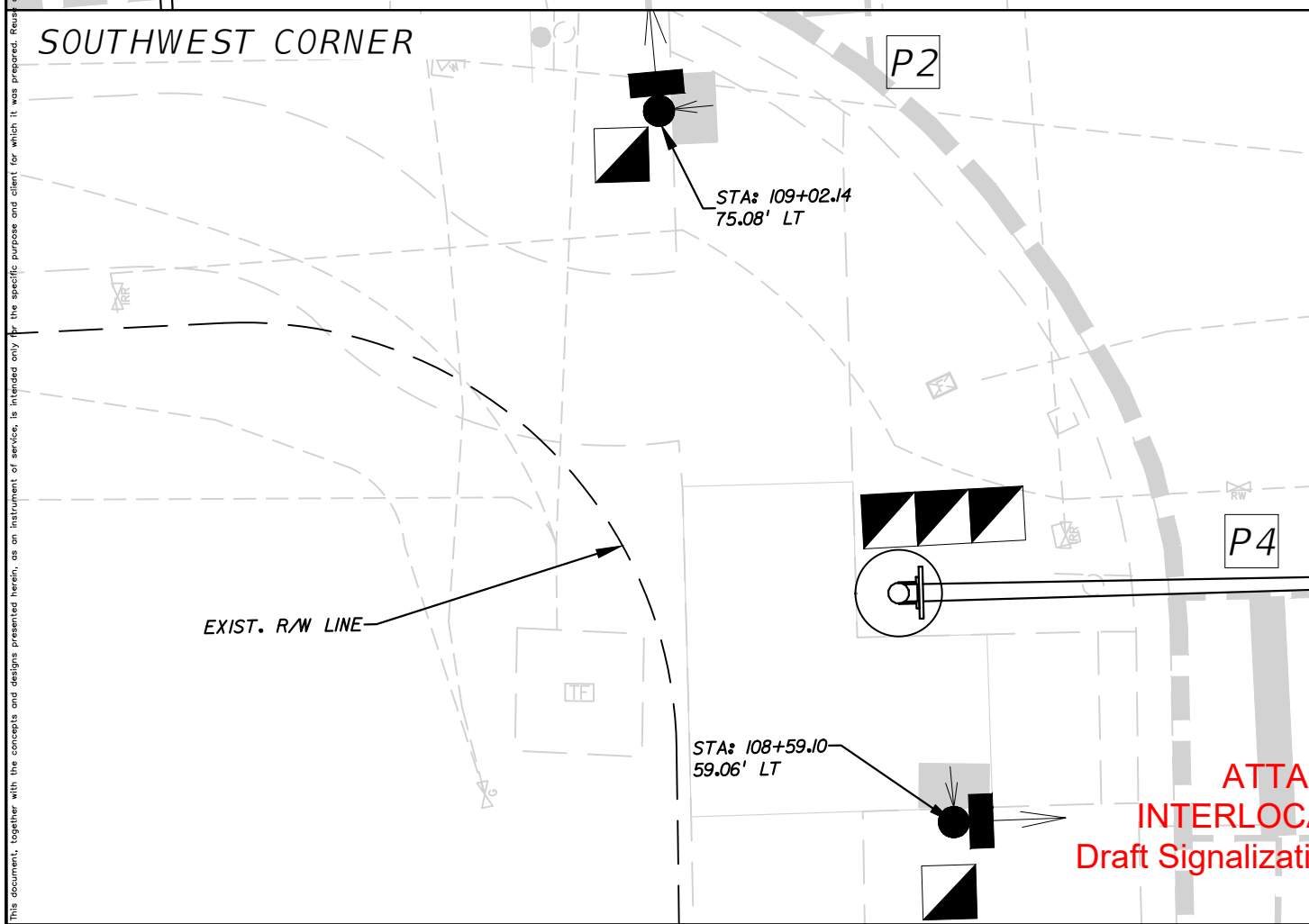
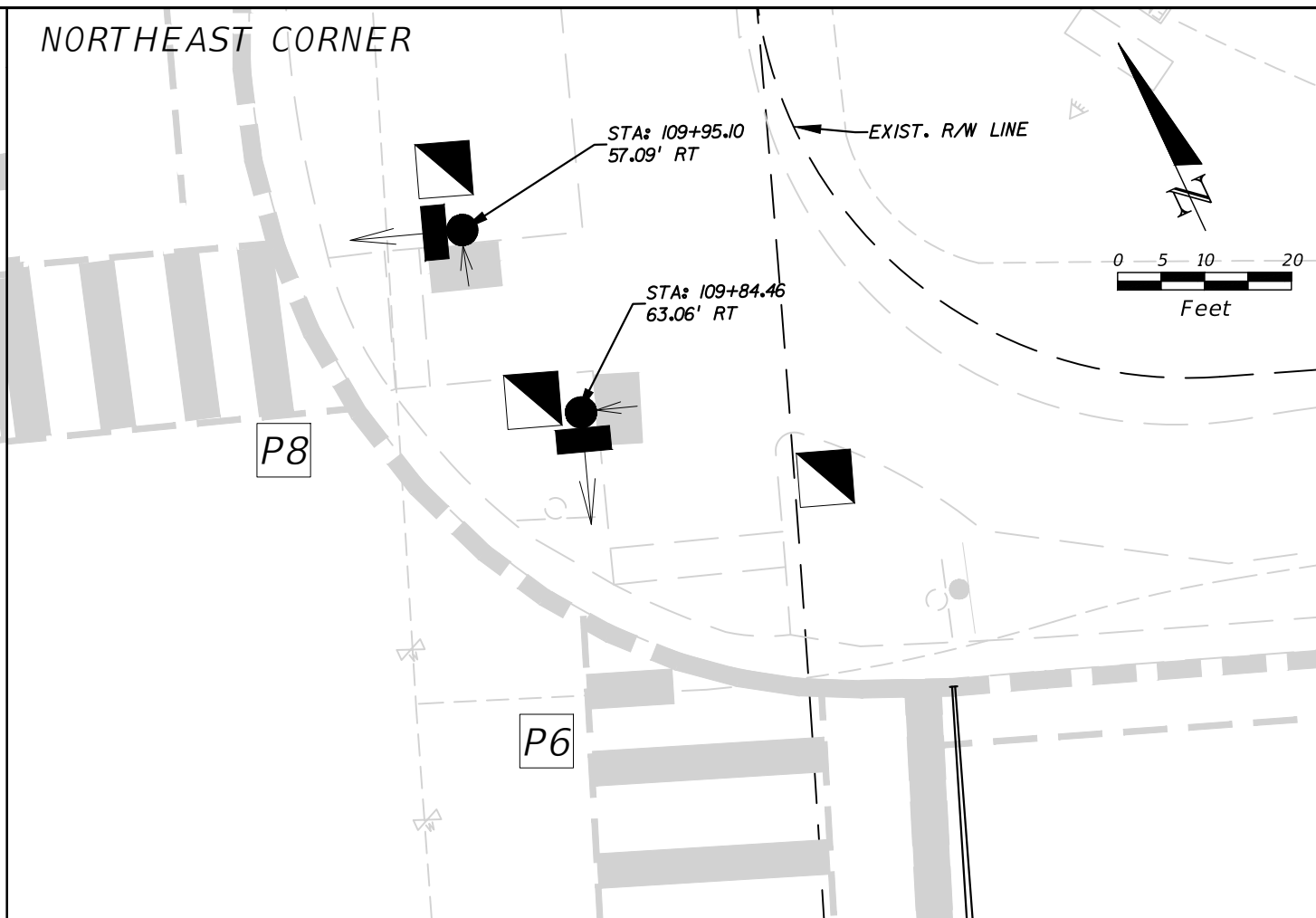
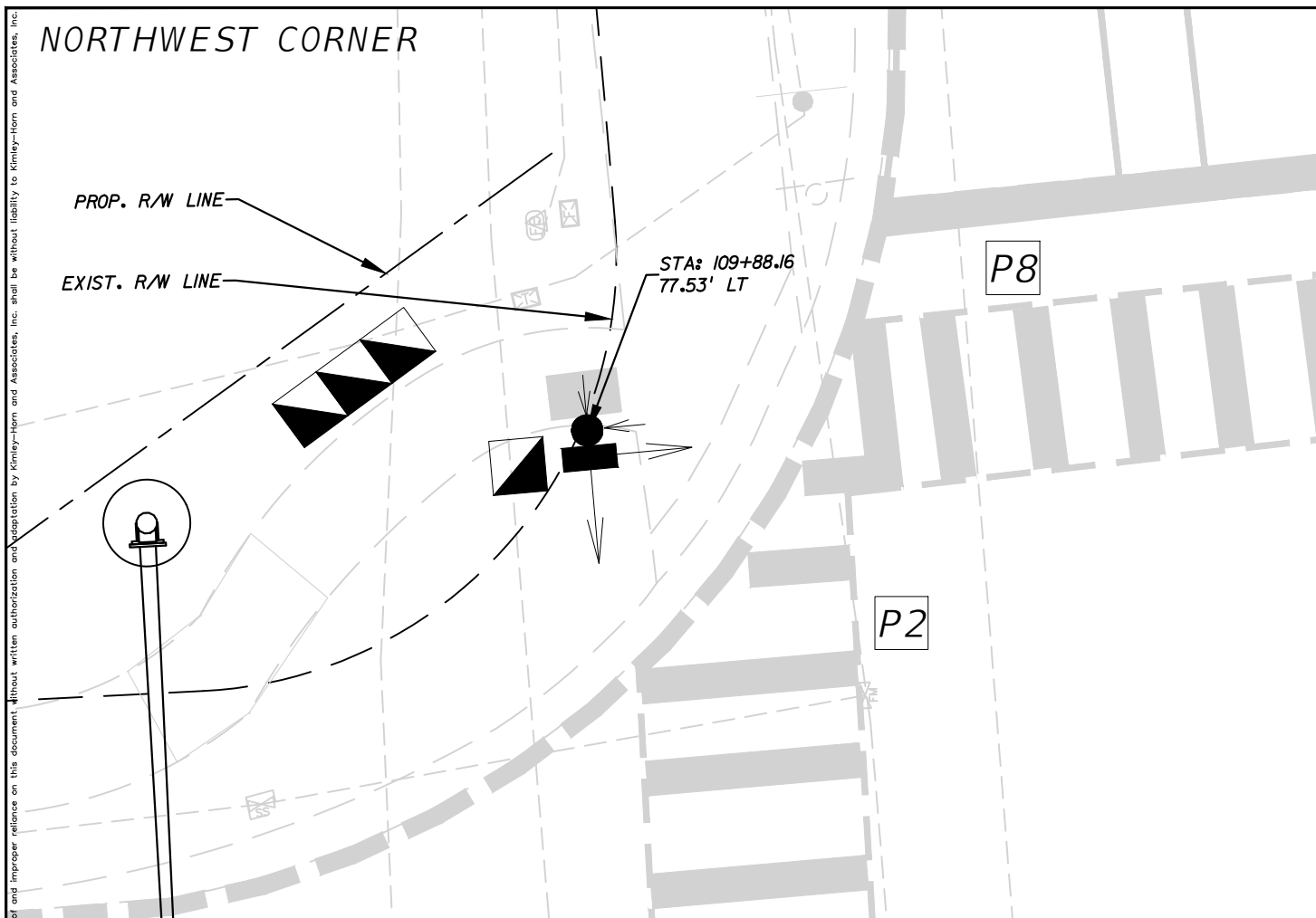
LICENSED PROFESSIONAL	NICOLE R. HECK, P.E.
KHA PROJECT	2-49-351002
DATE	10/3/2024
SCALE AS SHOWN	AS SHOWN
DESIGNED BY	JBQ
DRAWN BY	JBQ
CHECKED BY	NRH
DATE:	F.A.C.

CONDUIT
 SCHEMATIC

STADIUM PARKWAY
 AND CUDDINGTON
 DRIVE

BREVARD COUNTY FLORIDA

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**ATTACHMENT A
INTERLOCAL AGREEMENT
Draft Signalization Plans (PROJECT)**

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NO.	REVISIONS	DATE

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 PHONE: 407-898-1511
 WWW.KIMLEY-HORN.COM REGISTRY No. 35106

LICENSED PROFESSIONAL
 NICOLE R. HECK, P.E.
 FLORIDA LICENSE NUMBER
 84306

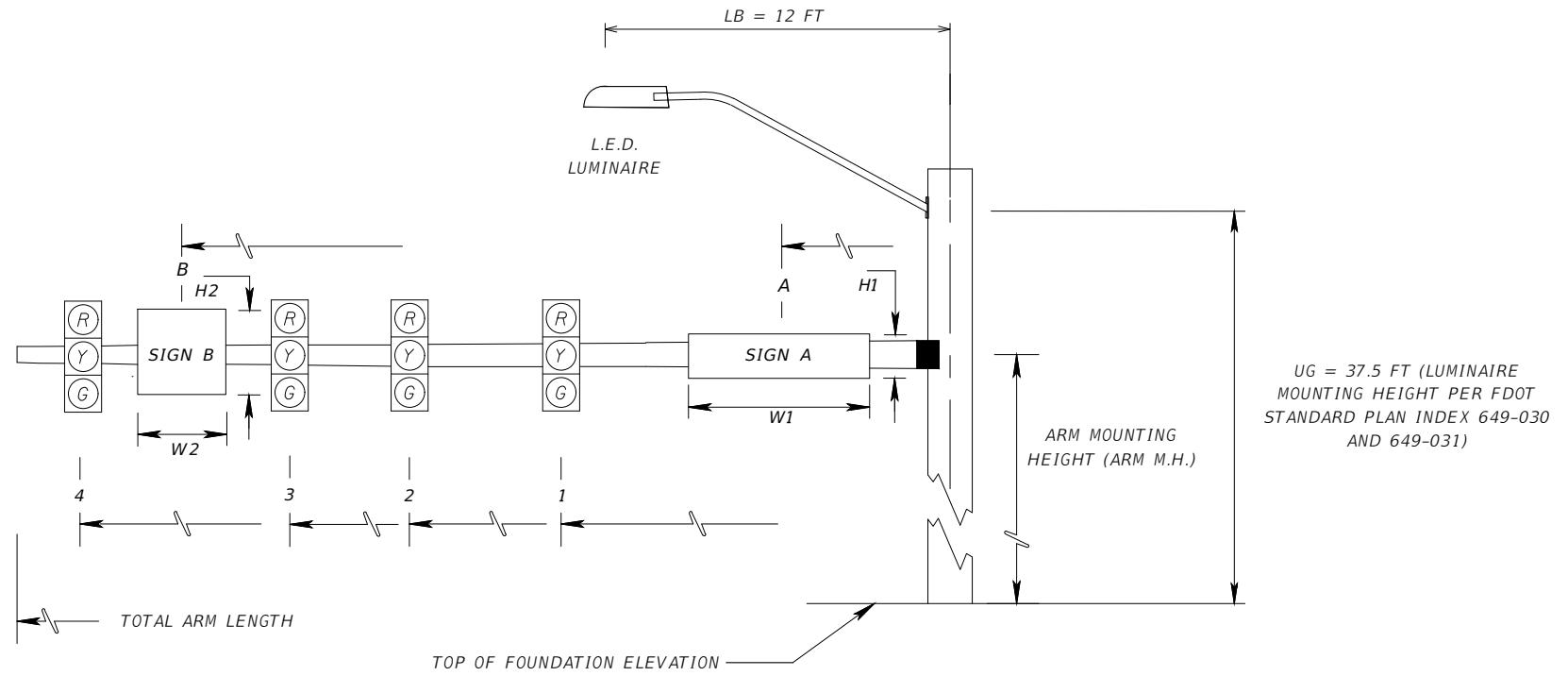
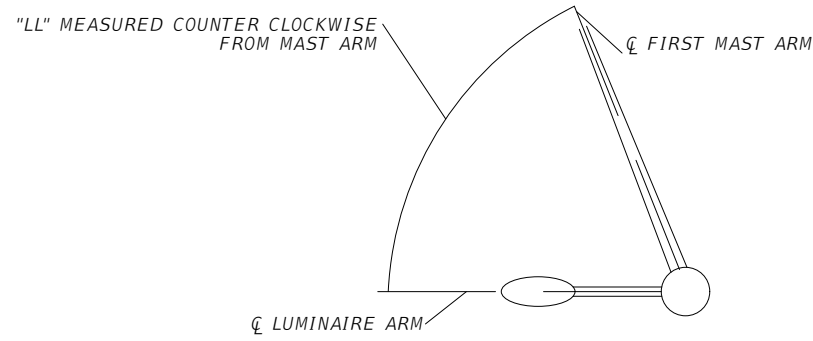
**PEDESTRIAN
DETAIL**

**STADIUM PARKWAY
AND CUDDINGTON
DRIVE**

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Drawing name: \\orlf02\FL_ORL02\TPO\24935002_BrevardCounty_TWO2_StadiumPkw\10_CAD\SIGNAL\T-15 MAST ARM TABULATION.dwg T-15 MAST ARM TABULATION Oct 03, 2024 6:45pm by: joshquim
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MAST ARM TABULATION



ID NO.	SHEET NO.	LOCATION BY STA.	TOP OF FOUND. ELEVATION	RDWY ARM NO.	CROWN FLV.	LUMI-NAIRE Y/N	TERM. COMP. Y/N	SIGNAL DATA										TOTAL ARM LENGTH	ARM M.H.	LL	SIGN DATA									DETECTION	PAINT COLOR			
								SIGNAL V/H	BACK PLATES Y/N	PED. SIGNAL Y/N	DISTANCE FROM POLE					DISTANCE FROM POLE/HEIGHT & WIDTH OF SIGN																		
											1	2	3	4	5	A	H1				W1	B	H2	W2	C	H3	W3							
PROPOSED LOADING																																		
A	T-6	STA 110+17.48; 59.92' RT	28.7'	1	28.8'	Y	Y	V	Y	N	20.0'	3	28.0'	3	61.5'	4				70'	21'	0°	6.0'	2.0'	9.0'	14.0'	3.0'	3.0'	66.5'	3.0'	2.5'	24'	GALVANIZED	
B	T-6	STA 108+91.52; 84.93' RT	28.4'	1	27.9'	Y	Y	V	Y	N	30.5'	3	38.5'	3	46.5'	4	57.5'	4	71.0'	78'	21'	90°	17.0'	2.0'	9.0'	25.0'	3.0'	3.0'	50.5'	3.0'	2.5'	35'	GALVANIZED	
C	T-6	STA 108+72.79; 62.00' LT	28.0'	1	29.1'	Y	Y	V	Y	N	19.5'	3	27.5'	3	67.0'	4				70'	22'	45°	6.0'	2.0'	9.0'	14.0'	3.0'	3.0'	62.5'	3.0'	2.5'	23.5'	GALVANIZED	
D	T-6	STA 109+84.55; 103.21' LT	27.6'	1	27.8'	Y	Y	V	Y	N	22.0'	3	30.0'	3	40.5'	4				50'	21'	45°	11.0'	2.0'	9.0'	45.0'	3.0'	3.0'				28'	GALVANIZED	
FUTURE (DESIGN) LOADING																																		
A	T-6	STA 110+17.48; 59.92' RT	28.7'	1	28.8'	Y	Y	V	Y	N	17.5'	5	52.0'	3	69.0'	3	68.0'	4		70'	21'	0°	6.0'	2.0'	9.0'	14.0'	3.0'	3.0'	66.5'	3.0'	3.0'	56.5'	45'	GALVANIZED
C	T-6	STA 108+72.79; 62.00' LT	28.0'	1	29.1'	Y	Y	V	Y	N	20.5'	5	52.0'	3	69.0'	3	68.0'	4		70'	22'	45°	6.0'	2.0'	9.0'	14.0'	3.0'	3.0'	66.5'	3.0'	3.0'	56.5'	45'	GALVANIZED
D	T-6	STA 109+84.55; 103.21' LT	27.6'	1	27.8'	Y	Y	V	Y	N	32.0'	3	40.0'	3	48.0'	4				50'	21'	45°	11.0'	2.0'	9.0'	45.0'	3.0'	3.0'				36.5'	21.5'	GALVANIZED

* = DENOTES NUMBER OF SECTIONS IN SIGNAL HEAD ASSEMBLY

**ATTACHMENT A
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REVISIONS	DATE	BY

Kimley»Horn
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WWW.KIMLEY-HORN.COM REGISTRY No. 35106

LICENSED PROFESSIONAL
NICOLE R. HECK, P.E.
FLORIDA LICENSE NUMBER 84306
DRAWN BY: JBO
CHECKED BY: NRH
DATE:

**STANDARD MAST
ARM TABULATION
SHEET**

STADIUM PARKWAY
AND CUDDINGTON
DRIVE

BREVARD COUNTY
FLORIDA

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

STANDARD MAST ARM ASSEMBLIES DATA TABLE											
STRUCTURE ID NUMBERS	DESIGNATION	FIRST ARM		SECOND ARM		UF (deg)	LL (deg)	POLE			DRILLED SHAFT ID
		ARM ID	FAA (ft.)	ARM ID	SAA (ft.)			POLE ID	UAA (ft.)	UB (ft.)	
POLE A	A78/S/H - P6/S/L	A78/S/H	31	-	-	-	0	P6/S/L	-	21	DS/25/5.0
POLE B	A78/S/H - P6/S/L	A78/S/H	-	-	-	-	90	P6/S/L	-	21	DS/25/5.0
POLE C	A78/S/H - P6/S/L	A78/S/H	31	-	-	-	45	P6/S/L	-	22	DS/25/5.0
POLE D	A50/S/H - P3/S/L	A50/S/H	-	-	-	-	45	P3/S/L	-	21	DS/20/5.0

NOTES:

- IF AN ENTRY APPEARS IN COLUMN FAA, A SHORTER ARM IS REQUIRED. THIS IS OBTAINED BY REMOVING LENGTH FROM THE ARM TIP AND THE ARM LENGTH SHORTENED FROM FA TO FAA. SAA SIMILAR.
- IF AN ENTRY APPEARS IN COLUMN UAA, A SHORTER POLE IS REQUIRED. THIS IS OBTAINED BY REMOVING LENGTH FROM THE POLE TIP AND THE POLE HEIGHT SHORTENED FROM UA TO UAA.
- WORK WITH FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) FY 2024-2025 STANDARD PLANS 649-031.
- DESIGN WIND SPEED = 170 MPH (BREVARD COUNTY)

FOUNDATION NOTES:

- THE FOUNDATIONS WERE DESIGNED BASED ON THE FOLLOWING GEOTECHNICAL PARAMETERS FROM THE REPORT OF GEOTECHNICAL EXPLORATION PREPARED BY PROFESSIONAL SERVICE INDUSTRIES, INC. DATED JULY 24, 2024:

MAST ARM POLE A
BORING B-3
SOIL TYPE = SAND
SOIL FRICTION ANGLE = 29 DEG
SOIL WEIGHT (SUBMERGED) = 45 PCF
SOIL LAYER THICKNESS = 25 FT
N-BLOWCOUNT (AVERAGE) = 10
DESIGN WATER TABLE LOCATION (ASSUMED) = 0 FT BELOW SURFACE

MAST ARM POLE B
BORING B-4
SOIL TYPE = SAND
SOIL FRICTION ANGLE = 29 DEG
SOIL WEIGHT (SUBMERGED) = 45 PCF
SOIL LAYER THICKNESS = 25 FT
N-BLOWCOUNT (AVERAGE) = 11
DESIGN WATER TABLE LOCATION (ASSUMED) = 0 FT BELOW SURFACE

MAST ARM POLE C
BORING B-1
SOIL TYPE = SAND
SOIL FRICTION ANGLE = 30 DEG
SOIL WEIGHT (SUBMERGED) = 50 PCF
SOIL LAYER THICKNESS = 25 FT
N-BLOWCOUNT (AVERAGE) = 10
DESIGN WATER TABLE LOCATION (ASSUMED) = 0 FT BELOW SURFACE

MAST ARM POLE D
BORING B-2
SOIL TYPE = SAND
SOIL FRICTION ANGLE = 29 DEG
SOIL WEIGHT (SUBMERGED) = 45 PCF
SOIL LAYER THICKNESS = 20 FT
N-BLOWCOUNT (AVERAGE) = 8
DESIGN WATER TABLE LOCATION (ASSUMED) = 0 FT BELOW SURFACE

- DRILLED SHAFTS NOT LOCATED IN SIDEWALKS HAVE BEEN LENGTHENED 6" PER STANDARD. SEE STANDARD MAST ARM TABULATION FOR TOP OF SHAFT ELEVATIONS.
- IF EXISTING SOILS VARY FROM THE CRITERIA PRESENTED ABOVE, CONTACT THE ENGINEER PRIOR TO CONSTRUCTION OF THE DRILLED SHAFT.

**ATTACHMENT A
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REVISIONS	DATE	BY

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WWW.KIMLEY-HORN.COM REGISTRY No. 35106

LICENSED PROFESSIONAL
NOLAN B. VILLATORO, P.E.
FLORIDA LICENSE NUMBER
93862
DATE:

KHA PROJECT
249351002
DATE
10/3/2024
SCALE AS SHOWN
DESIGNED BY IPG
DRAWN BY IPG
CHECKED BY NBV

**STADIUM PARKWAY
AND CUDDINGTON
DRIVE
DATA TABLE**

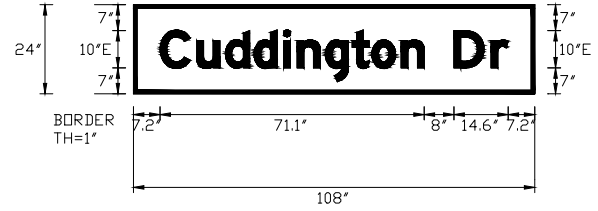
**STADIUM PARKWAY
AND CUDDINGTON
DRIVE**

FLORIDA
BREVARD COUNTY

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 Drawing name: \\orifp02\FL_ORL02\ORL_TPTO\249351002_BrevardCounty_TWO2_StadiumPkwy\AD_CAD_SIGNALS\T-17_GUIDESIGN WORKSHEET.dwg T-17 GUIDESIGN WORKSHEET Sep 25, 2024 8:44am by: joshquinn

SIGN NAME	A		QTY	2	SIGN NUMBER	110+17.48
PANEL	BORDER					
WIDTH	9'-0"	WIDTH	1'	108+72.79		
HEIGHT	2'-0"	RADII	0"			
LEGEND	White	COLOR	White			
COLOR	Green					
SYMBOL(S)	ANGLE	X	Y	WID	HT	
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH		



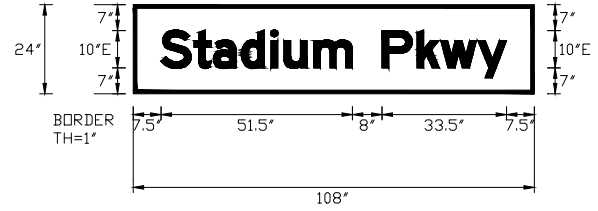
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COPY	C	u	d	d	i	n	g	t	o	n	D	r	L
SPACE	7.2	17.1	24.8	32.5	40.5	44.1	51.7	58.9	64.2	72.1	86.3	96.3	93.7
COPY													
SPACE													
COPY													
SPACE													
COPY													
SPACE													
COPY													
SPACE													

SIGN NAME			QTY		SIGN NUMBER	
PANEL	BORDER					
WIDTH	WIDTH					
HEIGHT	RADII					
LEGEND	COLOR					
COLOR						
SYMBOL(S)	ANGLE	X	Y	WID	HT	
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH		

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY													
SPACE													
COPY													
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SPACE													
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COPY													
SPACE													

SIGN NAME	B		QTY	2	SIGN NUMBER	109+56.43
PANEL	BORDER					
WIDTH	9'-0"	WIDTH	1'	108+91.52		
HEIGHT	2'-0"	RADII	0"			
LEGEND	White	COLOR	White			
COLOR	Green					
SYMBOL(S)	ANGLE	X	Y	WID	HT	
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH		



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE								
COPY	S	t	a	d	i	u	m	P	k	w	y	L
SPACE	7.5	16.4	21.6	29.1	37.1	40.6	48.6	67	76.4	82.8	92.8	93
COPY												
SPACE												
COPY												
SPACE												
COPY												
SPACE												
COPY												
SPACE												

SIGN NAME			QTY		SIGN NUMBER	
PANEL	BORDER					
WIDTH	WIDTH					
HEIGHT	RADII					
LEGEND	COLOR					
COLOR						
SYMBOL(S)	ANGLE	X	Y	WID	HT	
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH		

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

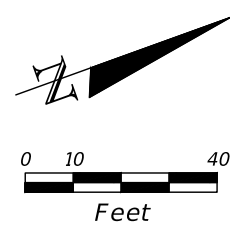
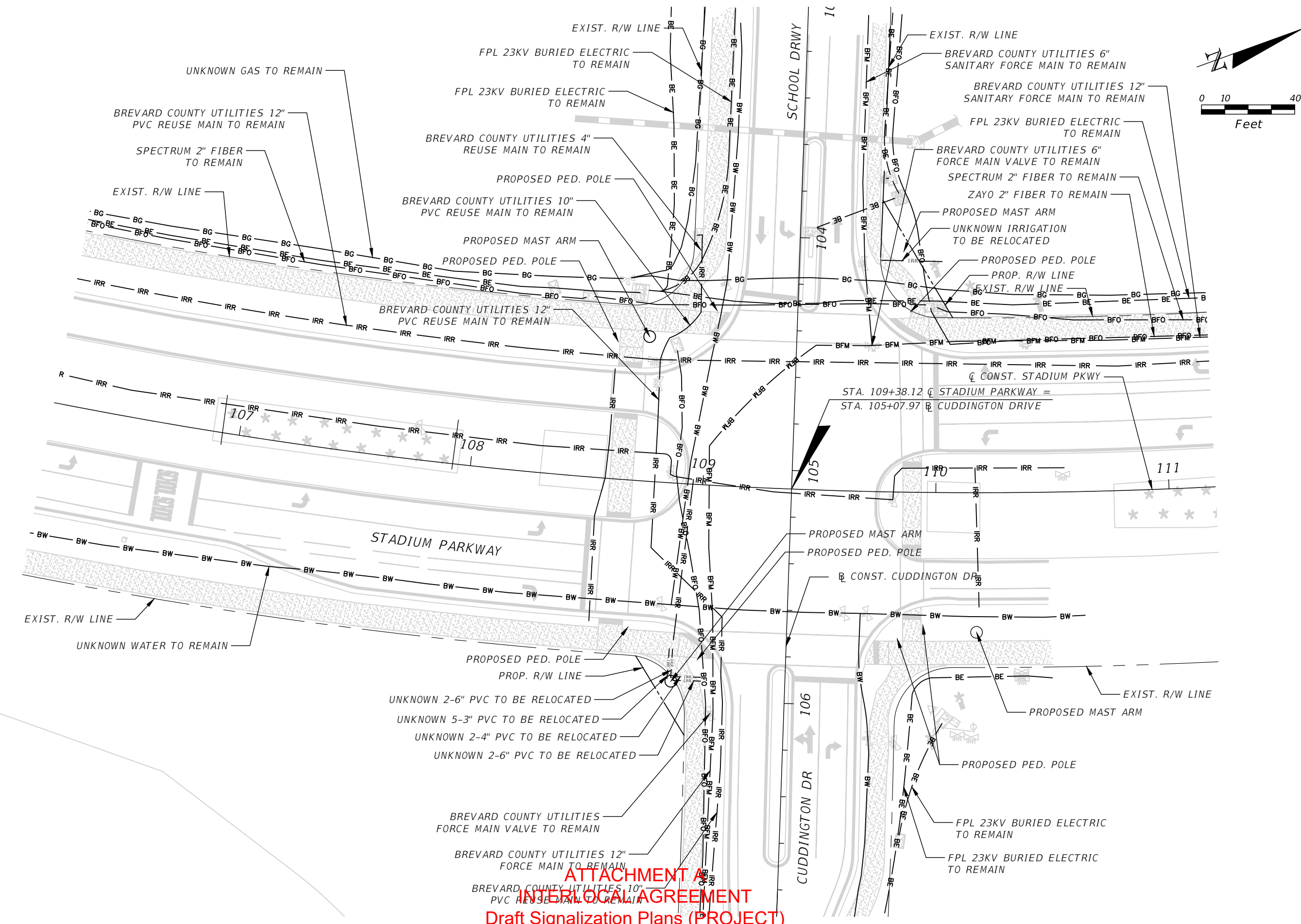
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ATTACHMENT A
INTERLOCAL AGREEMENT
Draft Signalization Plans (PROJECT)

STADIUM PARKWAY AND CUDDINGTON DRIVE	GUIDESIGN WORKSHEET	LICENSED PROFESSIONAL NICOLE R. HECK, P.E. FLORIDA LICENSE NUMBER 84306	KHA PROJECT 249351002	DATE 9/25/2024	SCALE AS SHOWN DESIGNED BY JBQ DRAWN BY JBQ CHECKED BY NRH	DATE:
			BREVARD COUNTY FLORIDA			
			SHEET NUMBER T-11			
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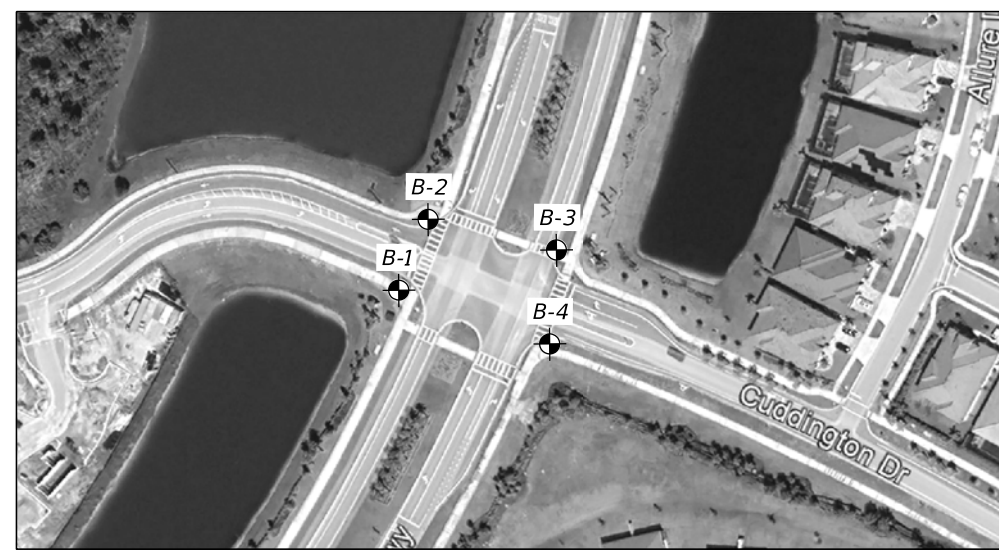
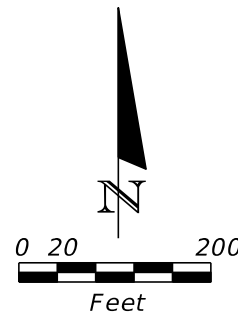


ATTACHMENT A
INTERNAL AGREEMENT
Draft Signalization Plans (PROJECT)

NO.	REVISIONS	DATE	BY

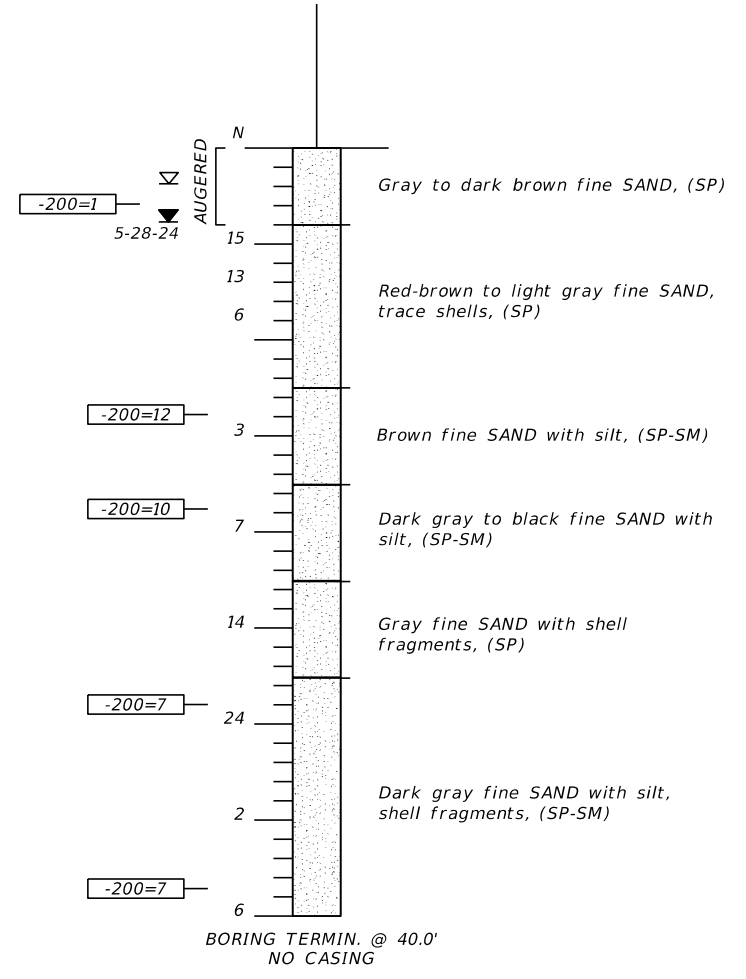
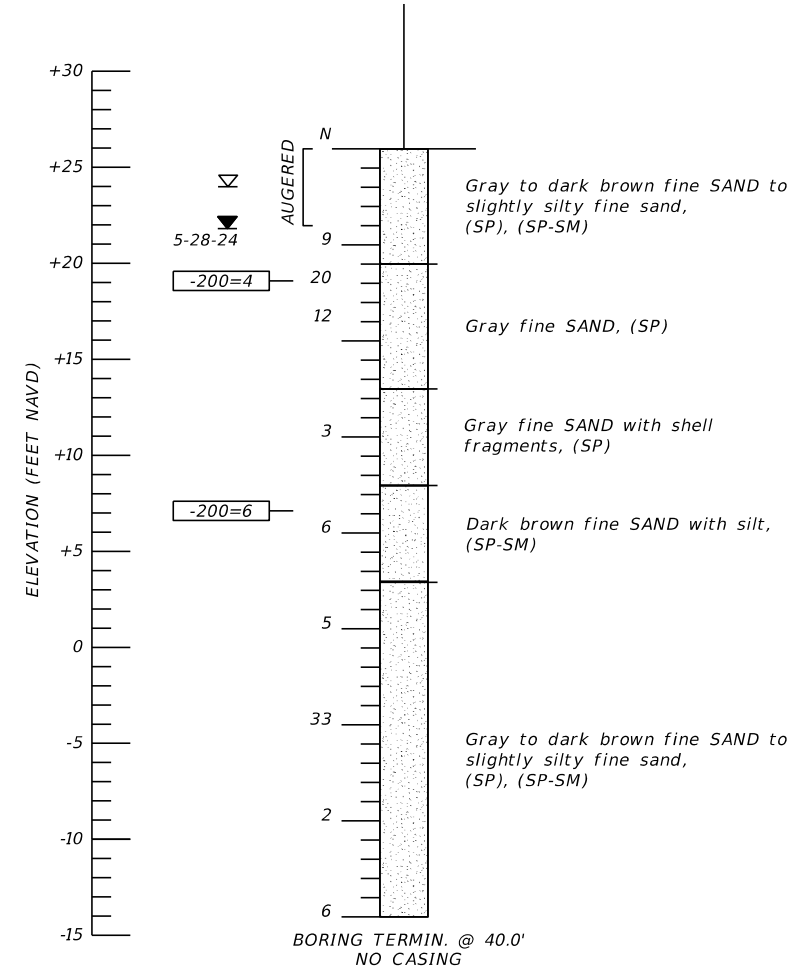
Kimley»Horn	LICENSED PROFESSIONAL
© 2024 KIMLEY-HORN AND ASSOCIATES, INC. 200 S. ORANGE AVENUE, SUITE 600, ORLANDO, FL 32801 PHONE: 407-898-1511 WWW.KIMLEY-HORN.COM REGISTRY No. 35106	NICOLE R. HECK, P.E. FLORIDA LICENSE NUMBER 84306
UTILITY CONFLICT SHEET	DATE:
STADIUM PARKWAY AND CUDDINGTON DRIVE	DATE:
BREVARD COUNTY	FLORIDA
SHEET NUMBER	DATE:
T-12	DATE:

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Bore # B-1
 Station. 109+00, 80' LT.
 Latitude 28.210472°
 Longitude -80.732996°
 Elevation +26'
 Vertical Datum NAVD88
 Date 5/28/24
 Driller REX
 Hammer Auto
 Rig CME 75

Bore # B-2
 Station. 109+80, 80' LT.
 Latitude 28.210670°
 Longitude -80.732900°
 Elevation +26'
 Vertical Datum NAVD88
 Date 5/28/24
 Driller REX
 Hammer Auto
 Rig CME 75



- LEGEND**
- Sand
 - (SP) Unified soil classification group symbol
 - 5-28-24 Water table level
 - Estimated normal seasonal high water table
 - Standard penetration resistance in blows per foot (18" spoon ASTM D-1586) using 140 lb automatic hammer
 - 200= Percent passing no. 200 U.S. standard sieve
 - Standard Penetration Test (SPT) Boring Location

- NOTES**
- Plan view is preliminary for showing boring locations only and may not be indicative of final plans.
 - Subsurface variations between borings should be anticipated as indicated in Section 2-4 of the Standard Specifications.
 - Based on a review of the St. Johns River Water Management District Potentiometric map of the upper Floridan Aquifer for the Project Area, the maximum potential Artesian Head Elevation in the Floridan Aquifer is estimated to be +35 feet, NGVD. The contractor shall be prepared to handle artesian water levels from the Floridan Aquifer up to elevation +35 feet, NGVD. (Approximately +34 feet NAVD)

GRANULAR MATERIALS	
Relative Density	SPT (Automatic) (Blows/ft.)
Very loose	Less than 3
Loose	3-8
Medium Dense	8-24
Dense	24-40
Very Dense	Greater than 40

SILTS AND CLAYS	
Consistency	SPT (Automatic) (Blows/ft.)
Very soft	Less than 1
Soft	1-3
Firm	3-6
Stiff	6-12
Very stiff	12-24
Hard	Greater than 24

ENVIRONMENTAL CLASSIFICATION:

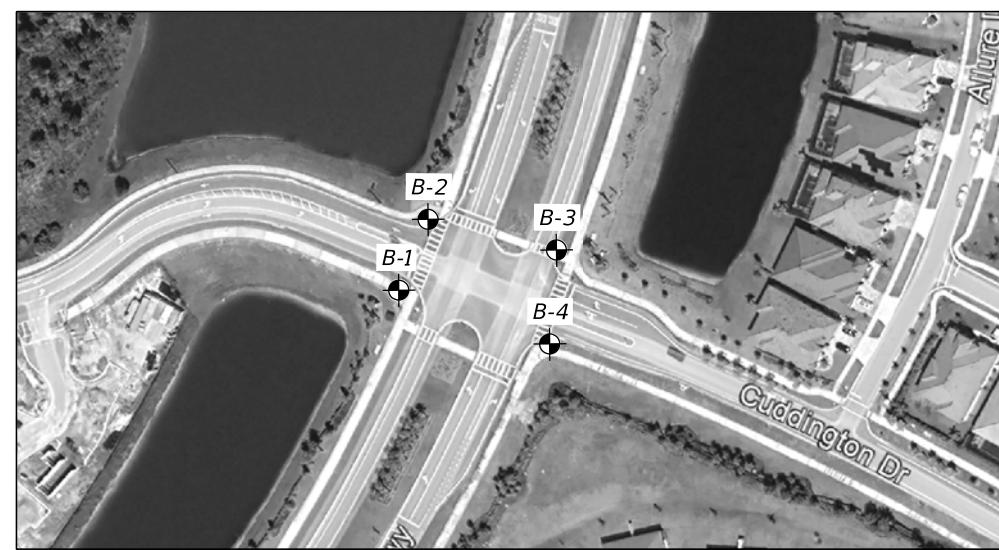
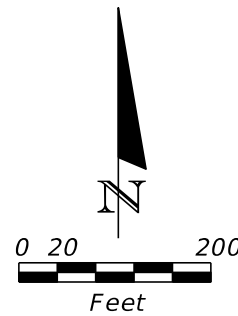
Substructure:
 Concrete: Slightly Aggressive
 Steel: Moderately Aggressive (pH=6.7)

ATTACHMENT A

**INTERLOCAL AGREEMENT
 Draft Signalization Plans (PROJECT)**

REVISIONS						MUSTAPHA A. ABOU, P.E.			BREVARD COUNTY			SHEET TITLE:		REF. DWG. NO.	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	P.E. No. 56119	PROFESSIONAL SEAL NO. 1748	33RD STREET	ORLANDO, FL. 32839	CERTIFICATE OF AUTHORIZATION No. 00003684	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME:	SHEET NO.
												BREVARD		REPORT OF SPT BORINGS FOR STRUCTURES	
														STADIUM PARKWAY AND CUDDINGTON DRIVE INTERSECTION IMPROVEMENTS	T-13

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Bore # B-3
 Station 110+00, 53' RT.
 Latitude 28.210588°
 Longitude -80.732488°
 Elevation +26'
 Vertical Datum NAVD88
 Date 5/24/24
 Driller REX
 Hammer Auto
 Rig CME 75

Bore # B-4
 Station 109+10, 85' RT.
 Latitude 28.210323°
 Longitude -80.732511°
 Elevation +26'
 Vertical Datum NAVD88
 Date 5/24/24
 Driller REX
 Hammer Auto
 Rig CME 75

LEGEND

Sand
 Silty-Sand
 Clayey-Sand

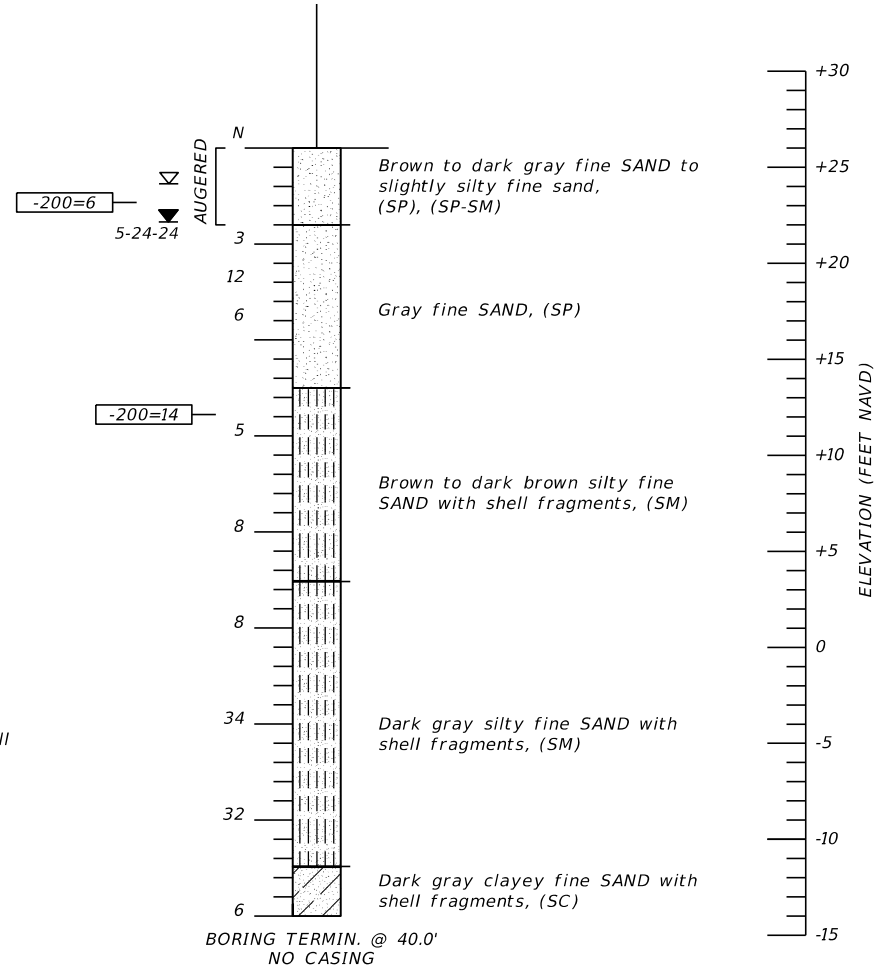
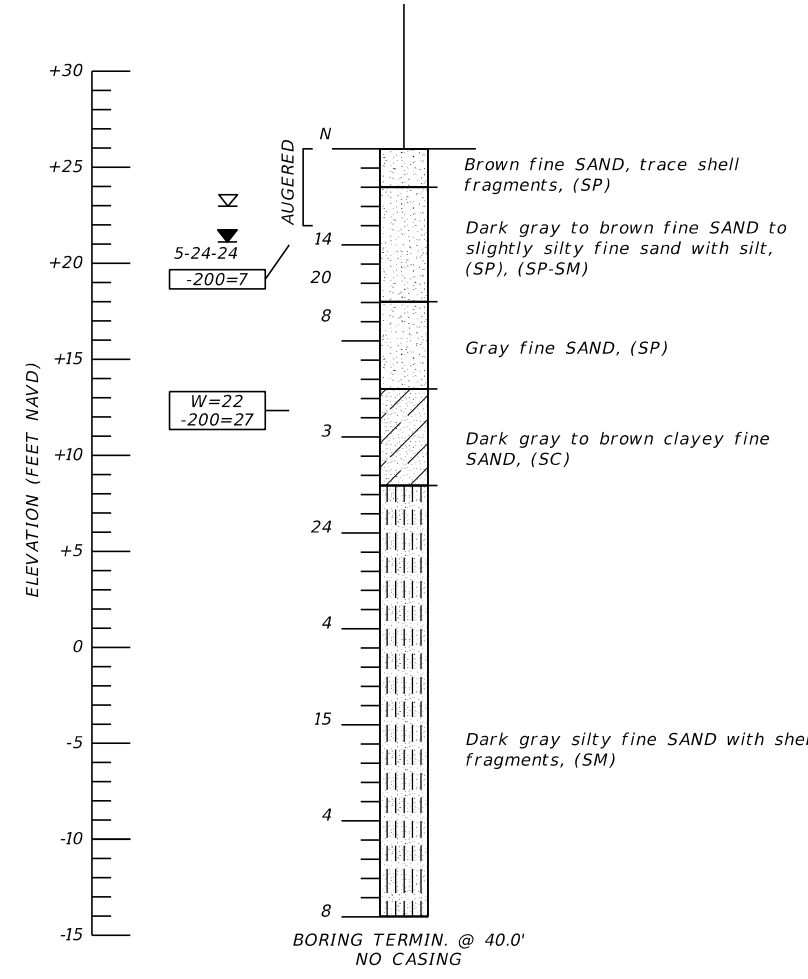
(SP) Unified soil classification group symbol

5-28-24 Water table level
 Estimated normal seasonal high water table
 GSE Approximate Ground Surface Elevation

Standard penetration resistance in blows per foot (18" spoon ASTM D-1586) using 140 lb automatic hammer
 N
 W= Natural moisture content (%) (FM 1-T 265)
 -200= Percent passing no. 200 U.S. standard sieve

Standard Penetration Test (SPT) Boring Location

- NOTES**
- Plan view is preliminary for showing boring locations only and may not be indicative of final plans.
 - Subsurface variations between borings should be anticipated as indicated in Section 2-4 of the Standard Specifications.
 - Based on a review of the St. Johns River Water Management District Potentiometric map of the upper Floridan Aquifer for the Project Area, the maximum potential Artesian Head Elevation in the Floridan Aquifer is estimated to be +35 feet, NGVD. The contractor shall be prepared to handle artesian water levels from the Floridan Aquifer up to elevation +35 feet, NGVD. (Approximately +34 feet NAVD)



GRANULAR MATERIALS	
Relative Density	SPT (Automatic) (Blows/ft.)
Very loose	Less than 3
Loose	3-8
Medium Dense	8-24
Dense	24-40
Very Dense	Greater than 40

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Consistency	SPT (Automatic) (Blows/ft.)
Very soft	Less than 1
Soft	1-3
Firm	3-6
Stiff	6-12
Very stiff	12-24
Hard	Greater than 24

ENVIRONMENTAL CLASSIFICATION:

Substructure:
 Concrete: Slightly Aggressive
 Steel: Moderately Aggressive (pH=6.7)

ATTACHMENT A

INTERLOCAL AGREEMENT
Draft Signalization Plans (PROJECT)

MUSTAPHA A. ABOUD, P.E.
 P.E. NO. 56119
 PROFESSIONAL ENGINEER
 1748 33RD STREET
 ORLANDO, FL. 32839
 CERTIFICATE OF AUTHORIZATION No. 00003684

DESIGNED BY: MAA 5-30-24
 CHECKED BY: MAA 5-30-24

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

SHEET TITLE: REPORT OF SPT BORINGS FOR STRUCTURES			REF. DWG. NO.
PROJECT NAME: STADIUM PARKWAY AND CUDDINGTON DRIVE INTERSECTION IMPROVEMENTS			SHEET NO. T-14

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LIGHTING GENERAL NOTES

1. *STANDALONE POLES AND CORRESPONDING LIGHTING SYSTEM TO BE INSTALLED AND MAINTAINED BY FLORIDA POWER & LIGHT COMPANY (FPL). THE LIGHTING SYSTEMS MOUNTED TO THE MAST ARMS ARE TO BE INSTALLED AND MAINTAINED BY BREVARD COUNTY. ALL CONDUIT AND PULLBOXES SHOWN IN THESE PLANS ARE THE RESPONSIBILITY OF THE CONTRACTOR.*
2. *THE LOCATIONS AND OFFSETS OF THE POLES, CONDUITS, AND PULLBOXES ARE BASED ON INFORMATION KNOWN AT THE TIME OF DESIGN AND MAYBE SHIFTED TO ACCOMMODATE LOCAL CONDITIONS AND EXISTING UTILITY LOCATIONS. ENGINEER APPROVAL IS REQUIRED FOR POLE ADJUSTMENTS GREATER THAN 5' IN ANY DIRECTION.*
3. *THE LOCATIONS OF THE UTILITIES SHOWN IN THE PLANS (INCLUDED THOSE DESIGNATED Vv, Vh, AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY.*
4. *UTILITY OWNERS:*

AT&T/DISTRIBUTION BREVARD COUNTY WATER RESOURCES CHARTER COMMUNICATIONS CITY OF COCOA FLORIDA CITY GAS FPL (ELECTRIC) ZAYO	DINO FARRUGGIO ROY HAWTHORNE GARY BLEVINS KATHERINE ENNIS MICHAEL BRAD TERMINI JAMIE PURNELL HENRY KLOBUCAR	G27896@ATT.COM (321)633-2093 (813)302-0800 (321)433-8797 (321)213-8254 (386)586-6403 (406)496-6510
--	---	--

FDOT DESIGN MANUAL LIGHTING DESIGN CRITERIA

SIGNALIZED INTERSECTION (NEW OR RECONSTRUCTION)

ILLUMINATION LEVEL AVERAGE FOOT CANDLE	3.0 H.F.C STD. (1.5 MIN) 1.5 V.F.C STD (1.2 MIN)
ILLUMINATION UNIFORMITY RATIO (AVG/MIN)	4 : 1 OR LESS
ILLUMINATION UNIFORMITY RATIO (MAX/MIN)	10 : 1 OR LESS
DESIGN WIND SPEED (BREVARD COUNTY)	170 MPH

ATTACHMENT A
 INTERLOCAL AGREEMENT
 Draft Signalization Plans (PROJECT)

STADIUM PARKWAY
 AND CUDDINGTON
 DRIVE

LIGHTING
 GENERAL NOTES

KHA PROJECT
 249351002
 DATE
 10/9/2024
 SCALE AS SHOWN
 DESIGNED BY MCH
 DRAWN BY MCH
 CHECKED BY TJP

LICENSED PROFESSIONAL
 TIFFANY J. PARKER DOS
 SANTOS, P.E.
 FLORIDA LICENSE NUMBER
 87920
 DATE:

Kimley»Horn
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 200 S. ORANGE AVENUE, SUITE 800, ORLANDO, FL 32801
 PHONE: 407-888-1511
 WWW.KIMLEY-HORN.COM REGISTRY No. 35106

No.	REVISIONS	DATE	BY

SHEET NUMBER
L-1


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
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LEGEND


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
DESCRIPTION


- 

PROPOSED LUMINAIRE ON STAND ALONE POLE, AMERICAN ELECTRIC LED AUTOBAHN ATB2, 264 WATT LED LUMINAIRE, TYPE IV DISTRIBUTION, 4000K, TO BE FURNISHED AND INSTALLED BY FPL
IES FILE NAME: ATB2 P604 R4 4K
- 

PROPOSED LUMINAIRE ON STAND ALONE POLE, AMERICAN ELECTRIC LED AUTOBAHN ATB2, 186 WATT LED LUMINAIRE, TYPE IV DISTRIBUTION, 4000K, TO BE FURNISHED AND INSTALLED BY FPL
IES FILE NAME: ATB2 P602 R4 RFD325843
- 


PROPOSED MAST ARM MOUNTED LUMINAIRE, AMERICAN ELECTRIC LED AUTOBAHN ATB2, 264 WATT LED LUMINAIRE, TYPE IV DISTRIBUTION, 4000K, WIRED FOR 120V OPERATION, TO BE FURNISHED AND INSTALLED BY BREVARD COUNTY
IES FILE NAME: ATB2 P604 R4 4K
- 

PROPOSED MAST ARM MOUNTED LUMINAIRE, AMERICAN ELECTRIC LED AUTOBAHN ATB2, 186 WATT LED LUMINAIRE, TYPE IV DISTRIBUTION, 4000K, WIRED FOR 120V OPERATION, TO BE FURNISHED AND INSTALLED BY BREVARD COUNTY
IES FILE NAME: ATB2 P602 R4 RFD325843
- 

EXISTING LIGHT POLE TO REMAIN
- 

PROPOSED PULL BOX

ATTACHMENT A
INTERLOCAL AGREEMENT
Draft Signalization Plans (PROJECT)

STADIUM PARKWAY AND CUDDINGTON DRIVE BREVARD COUNTY FLORIDA	LIGHTING LEGEND	KHA PROJECT 249351002 DATE 10/9/2024 SCALE AS SHOWN DESIGNED BY MCH DRAWN BY MCH CHECKED BY TJP	LICENSED PROFESSIONAL TIFFANY J. PARKER DOS SANTOS, P.E. FLORIDA LICENSE NUMBER 87920 DATE:	REVISIONS No.	DATE BY
		© 2024 KIMLEY-HORN AND ASSOCIATES, INC. 200 S. ORANGE AVENUE, SUITE 600, ORLANDO, FL 32801 PHONE: 407-888-1511 WWW.KIMLEY-HORN.COM REGISTRY No. 35106			
SHEET NUMBER L-2					

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POLE DATA																							
POLE NO	CIRCUIT NUMBER	LOAD CENTER NUMBER	STATION	POLE OFFSET	SIDE	ROADWAY SETBACK*	COORDINATES	POLE OWNER AND MAINTAINING AGENCY	POLE TYPE	FOUNDATION TYPE	QUANTITY OF LUMINAIRE	INPUT LUMEN	LUMEN OUTPUT	INPUT VOLTAGE	CORRELATED COLOR TEMPERATURE	IES DISTRIBUTION PATTERN	TILT ANGLE	MOUNTING HEIGHT (FT)	ARM LENGTH (FT)	LUMINAIRE MODEL	IES FILE	LUMINAIRE TYPE	PAR ITEM NUMBER
1	FPL**	FPL**	108+71.1	73.7	RT	12.9	N 1409182.62 E 742209.99	FLORIDA POWER & LIGHT (FPL)	CONCRETE	FPL**	1	264	11,916	FPL**	4000K	MEDIUM	0	35	12	AUTOBAHM LED COBRA HEAD	ATE2 P094 R4 4K	TYPE IV	FPL**
MA-01	A-1	N/A	SEE SIGNALIZATION PLANS	SEE SIGNALIZATION PLANS	LT	13.4	N 1409286.06 E 742168.00	BREVARD COUNTY	SEE SIGNALIZATION PLANS	SEE SIGNALIZATION PLANS	1	186	25,839	120	4000K	MEDIUM	0	49	12	AUTOBAHM LED COBRA HEAD	ATE2 P094 R4 RCDJ25843	TYPE IV	SEE SIGNALIZATION PLANS
MA-02	A-1	N/A	SEE SIGNALIZATION PLANS	SEE SIGNALIZATION PLANS	RT	21.1	N 1409244.69 E 742510.32	BREVARD COUNTY	SEE SIGNALIZATION PLANS	SEE SIGNALIZATION PLANS	1	186	25,839	120	4000K	MEDIUM	0	49	12	AUTOBAHM LED COBRA HEAD	ATE2 P094 R4 RCDJ25843	TYPE IV	SEE SIGNALIZATION PLANS
CA-01	EXIST.	EXIST.	EXIST.	EXIST.	LT	EXIST.	EXIST.	SOUTH VIERA ELEMENTARY SCHOOL	CONCRETE	EXIST.	1	241	26,789	480	4000K	MEDIUM	0	25	0.5	D-SERIES SIZE 1	DNXI LED P9 40K T2M MVOLT G1 1	TYPE III	EXIST.
MA-03	A-1	N/A	SEE SIGNALIZATION PLANS	SEE SIGNALIZATION PLANS	LT	19.0	N 1409400.92 E 742176.11	BREVARD COUNTY	SEE SIGNALIZATION PLANS	SEE SIGNALIZATION PLANS	1	264	33,916	120	4000K	MEDIUM	0	49	12	AUTOBAHM LED COBRA HEAD	ATE2 P094 R4 4K	TYPE IV	SEE SIGNALIZATION PLANS
2	FPL**	FPL**	109+84.0	88.0	RT	13.5	N 1409333.61 E 742350.07	FLORIDA POWER & LIGHT (FPL)	CONCRETE	FPL**	1	186	25,839	FPL**	4000K	MEDIUM	0	35	12	AUTOBAHM LED COBRA HEAD	ATE2 P094 R4 RCDJ25843	TYPE IV	FPL**
MA-04	A-1	N/A	SEE SIGNALIZATION PLANS	SEE SIGNALIZATION PLANS	RT	11.0	N 1409375.22 E 742334.71	BREVARD COUNTY	SEE SIGNALIZATION PLANS	SEE SIGNALIZATION PLANS	1	264	33,916	120	4000K	MEDIUM	0	49	12	AUTOBAHM LED COBRA HEAD	ATE2 P094 R4 4K	TYPE IV	SEE SIGNALIZATION PLANS
3	FPL**	FPL**	110+71.4	57.5	RT	9.0	N 1409426.38 E 742350.55	FLORIDA POWER & LIGHT (FPL)	CONCRETE	FPL**	1	264	33,916	FPL**	4000K	MEDIUM	0	35	12	AUTOBAHM LED COBRA HEAD	ATE2 P094 R4 4K	TYPE IV	FPL**

* POLE SETBACK IS THE HORIZONTAL SETBACK FROM THE FACE OF CURB TO THE POLE
 ** TO BE FURNISHED AND INSTALLED BY POWER COMPANY

NO.	DATE	BY

Kimley-Horn
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 200 S. ORANGE AVENUE, SUITE 800, ORLANDO, FL 32801
 PHONE: 407-888-1511
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

LICENSED PROFESSIONAL
 TIFFANY J. PARKER DOS SANTOS, P.E.
 FLORIDA LICENSE NUMBER 87920
 DATE: _____

KHA PROJECT
 249351002
DATE
 10/9/2024
SCALE AS SHOWN
DESIGNED BY MCH
DRAWN BY MCH
CHECKED BY TJP

STADIUM PARKWAY AND CUDDINGTON DRIVE
 BREVARD COUNTY FLORIDA

SHEET NUMBER
 L-3

**ATTACHMENT A
 INTERLOCAL AGREEMENT
 Draft Signalization Plans (PROJECT)**

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REFER TO CONDUIT SCHEMATIC FOR CONDUIT AND PULLBOX PAY ITEMS THAT ARE NOT QUANTIFIED ON THIS SHEET
2 #6 AWG, CKT A-1
1 #6 AWG GROUND, CKT A-1

1 EA **635-2-11**
120 LF **715-1-12**

POLE NO. MA-03, CKT A-1
LUMINAIRE TO BE INSTALLED ON MAST ARM WITH A 12' BRACKET ARM AT 40' MOUNTING HEIGHT. REFER TO SIGNAL PLANS FOR FIXTURE PAY ITEM.
1 EA **715-500-1**

POLE NO. EX-01, EX CKT.
EXIST. LUMINAIRE TO REMAIN

REFER TO CONDUIT SCHEMATIC FOR CONDUIT AND PULLBOX PAY ITEMS THAT ARE NOT QUANTIFIED ON THIS SHEET.
2 #6 AWG, CKT A-1
1 #6 AWG GROUND, CKT A-1

460 LF **715-1-12**

REFER TO CONDUIT SCHEMATIC FOR CONDUIT AND PULLBOX PAY ITEMS THAT ARE NOT QUANTIFIED ON THIS SHEET.
2 #6 AWG, CKT A-1
1 #6 AWG GROUND, CKT A-1

1 EA **635-2-11**
105 LF **715-1-12**

POLE NO. MA-01, CKT A-1
LUMINAIRE TO BE INSTALLED ON MAST ARM WITH A 12' BRACKET ARM AT 40' MOUNTING HEIGHT. REFER TO SIGNAL PLANS FOR FIXTURE PAY ITEM.

1 EA **715-500-1**

REFER TO CONDUIT SCHEMATIC FOR CONDUIT AND PULLBOX PAY ITEMS THAT ARE NOT QUANTIFIED ON THIS SHEET.
2 #6 AWG, CKT A-1
1 #6 AWG GROUND, CKT A-1

535 LF **715-1-12**

REFER TO CONDUIT SCHEMATIC FOR CONDUIT AND PULLBOX PAY ITEMS THAT ARE NOT QUANTIFIED ON THIS SHEET.
2 #6 AWG, CKT A-1
1 #6 AWG GROUND, CKT A-1

635-2-11 1 EA
715-1-12 105 LF

POLE NO. 03
STA: 110+71.4, OFF: 57.5' RT

EXISTING PUBLIC UTILITY EASEMENT

EXISTING R/W

PROPOSED TRAFFIC SIGNAL CABINET. REFER TO CONDUIT SCHEMATIC FOR CONDUIT PAY ITEMS. BEGIN CIRCUIT A-1 - 20 AMP, 40 AMP MAIN
2 #6 AWG, CKT A-1
1 #6 AWG GROUND, CKT A-1

715-1-12 95 LF

REFER TO CONDUIT SCHEMATIC FOR CONDUIT AND PULLBOX PAY ITEMS THAT ARE NOT QUANTIFIED ON THIS SHEET.
2 #6 AWG, CKT A-1
1 #6 AWG GROUND, CKT A-1

635-2-11 1 EA
715-1-12 105 LF

POLE NO. MA-04, CKT A-1

LUMINAIRE TO BE INSTALLED ON MAST ARM WITH A 12' BRACKET ARM AT 40' MOUNTING HEIGHT. REFER TO SIGNAL PLANS FOR FIXTURE PAY ITEM.

715-500-1 1 EA

POLE NO. 02
STA: 109+84.9, OFF: 88.6' RT

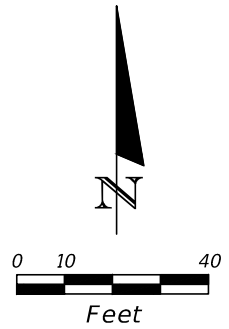
REFER TO CONDUIT SCHEMATIC FOR CONDUIT AND PULLBOX PAY ITEMS THAT ARE NOT QUANTIFIED ON THIS SHEET.
2 #6 AWG, CKT A-1
1 #6 AWG GROUND, CKT A-1

715-1-12 520 LF

POLE NO. MA-02, CKT A-1

LUMINAIRE TO BE INSTALLED ON MAST ARM WITH A 12' BRACKET ARM AT 40' MOUNTING HEIGHT. REFER TO SIGNAL PLANS FOR FIXTURE PAY ITEM.

715-500-1 1 EA



LIGHTING NOTES:

- 1. FLORIDA POWER & LIGHT (FPL) TO FURNISH AND INSTALL LUMINAIRES AND ALL OTHER NECESSARY LIGHTING INFRASTRUCTURE ON STAND ALONE POLES.
- 2. CONTRACTOR TO FURNISH AND INSTALL LUMINAIRES AND ALL OTHER NECESSARY LIGHTING INFRASTRUCTURE ON TRAFFIC SIGNAL MAST ARMS.
- 3. ALL STATION AND OFFSETS ARE MEASURED OFF OF CL CONST. STADIUM PARKWAY.

ATTACHMENT A
INTERLOCAL AGREEMENT
Draft Signalization Plans (PROJECT)

POLE NO. 01
STA: 108+21.1, OFF: 73.7' RT

REV.	BY	DATE

No.

Kimley»Horn

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PHONE: 407-898-1511
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LICENSED PROFESSIONAL
TIFFANY J. PARKER DOS SANTOS, P.E.
FLORIDA LICENSE NUMBER 87920

KHA PROJECT 249351002
DATE 10/9/2024
SCALE AS SHOWN
DESIGNED BY MCH
DRAWN BY MCH
CHECKED BY TJJ

DATE:

LIGHTING PLAN

STADIUM PARKWAY AND CUDDINGTON DRIVE

FLORIDA
BREVARD COUNTY

SHEET NUMBER
L-4

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