

DRAWING INDEX

CIVIL DRAWINGS

SHEET	SHEET NAME
G001	COVER SHEET
G002	GENERAL NOTES
G003	GENERAL NOTES
G004	TABULATION OF QUANTITIES
G005	KEY MAP
E001	POLE DATA & LEGEND
E002	POLE DATA
E003	ELECTRICAL LAYOUT PLAN 1
E004	ELECTRICAL LAYOUT PLAN 2
E005	ELECTRICAL LAYOUT PLAN 3
E006	ELECTRICAL LAYOUT PLAN 4
E007	ELECTRICAL LAYOUT PLAN 5
E008	ELECTRICAL LAYOUT PLAN 6
E009	ELECTRICAL LAYOUT PLAN 7
E010	ELECTRICAL LAYOUT PLAN 8
E011	ELECTRICAL LAYOUT PLAN 9
E012	ELECTRICAL DETAILS
E013	SERVICE POINT DETAIL
E014	TYPICAL PHOTOMETRIC PLAN
1 OF 1	PAVEMENT MARKING AND SIGNS DETAILS
1 OF 1	GROUND SIGN ASSEMBLY DETAILS
1 OF 1	STOP/SIGN AND STREET/ID ASSEMBLY DETAILS

Powercore Communications  
As-Builts: 12-15-2020  
No Changes this page

B.C.H.C.E.D. REF. #180918001 COVER



BROWARD COUNTY  
Traffic Engineering Division

APPROVED

By [Signature]

Date 6/28/19

Remarks \_\_\_\_\_

Approval is for Pavement Markings and Signin only and is limited to work in public rights-of-way and driveway connections thereto.

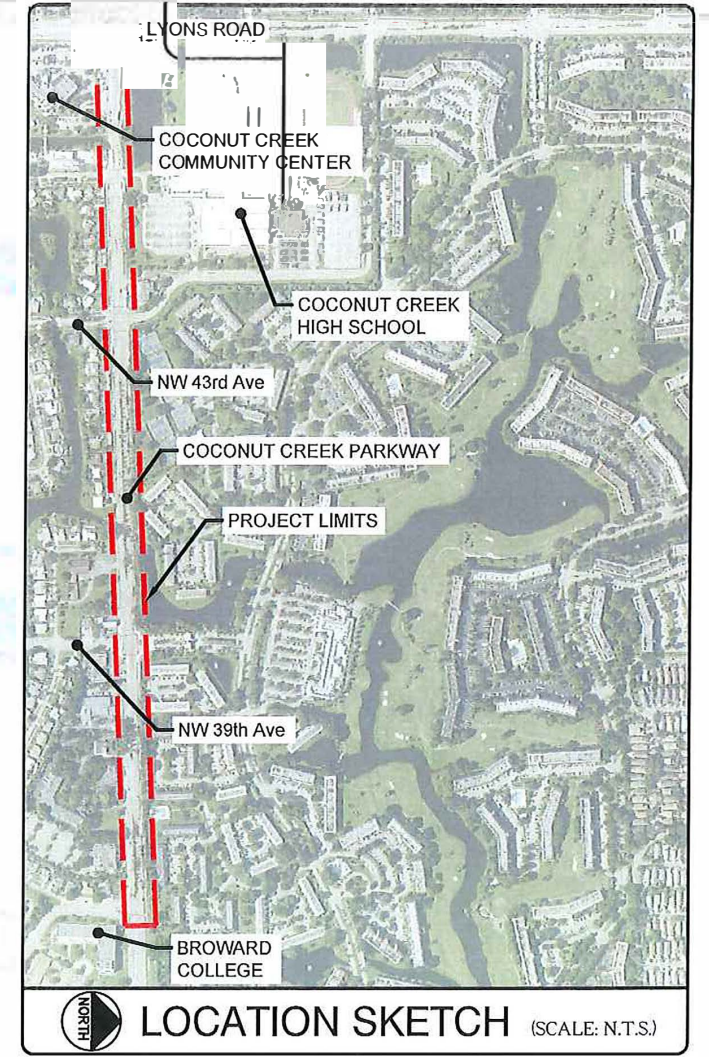
# PEDESTRIAN LIGHTING DESIGN PROJECT FOR THE CITY OF COCONUT CREEK COCONUT CREEK PARKWAY FROM LYONS ROAD TO BROWARD COLLEGE

## PLAN SET

**R.J.Behar & Company, Inc.**  
Engineers • Planners

6861 S.W. 196th Avenue, Suite 302  
Pembroke Pines, Florida · 33332  
(954) 680-7771 · Fax: (954) 680-7781  
CERTIFICATE OF AUTHORIZATION NO. 00008365

**R&E** Progressive Design  
& Engineering, Inc.  
10891 La Reina Road Tel: 561-498-2304  
Suite 100 Fax: 561-498-2305  
Delray Beach, FL 33446  
CERTIFICATE OF AUTHORIZATION NO. 7151



LOCATION SKETCH (SCALE: N.T.S.)

CITY OF COCONUT CREEK  
PUBLIC WORKS DEPARTMENT

CITY OF COCONUT CREEK OFFICIALS

- JOSHUA RYDELL
- SANDRA L. WELCH
- BECKY TOOLEY
- LOU SARBONE
- MIKKIE BELVEDERE
- MARY C. BLASI
- JIM BERKMAN

- MAYOR
- VICE MAYOR
- COMMISSIONER
- COMMISSIONER
- COMMISSIONER
- CITY MANAGER
- PUBLIC WORKS DEPARTMENT
- DIRECTOR

ENGINEER OF RECORD:

[Signature]  
4-28-19

RODOLFO HOYOS, P.E. DATE  
LICENSE NO. 4756

REVISIONS				
NO.	DATE	BY	CHKD	DESCRIPTION

**PERMIT SET**

MUST BE ON JOBSITE AT ALL TIMES DURING CONSTRUCTION

ALL MATERIALS USED AND INSTALLATIONS WITHIN THE PUBLIC RIGHT OF WAY OR EASEMENTS SHALL BE IN ACCORDANCE WITH BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION SPECIFICATIONS.

**NOTICE OF INSPECTION REQUIRED**

24 HRS. PRIOR TO CONSTRUCTION ANY WORK IN THE PUBLIC R/W CONTACT THE BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION AT (954) 677-1600 FOR INSPECTION.

**NOTE:**

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE A PERMIT FOR CONSTRUCTION.

A PERMIT FOR CONSTRUCTION MUST BE OBTAINED FROM THE BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION PRIOR TO COMMENCING CONSTRUCTION IN THE PUBLIC RIGHT OF WAY.

BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION

DATE: \_\_\_\_\_

DOES NOT INCLUDE APPROVAL OF PAVEMENT MARKINGS & SIGNS

DATE: AUGUST 09, 2018  
SHEET NAME: G001  
R.J. BEHAR PROJECT No.: 18024

100% CONSTRUCTION SET



**MAINTENANCE OF TRAFFIC SCHOOL/PEDESTRIAN**

THE MAINTENANCE OF TRAFFIC PLAN, PROVIDED BY THE CONTRACTOR, SHALL INCLUDE PROVISIONS FOR PEDESTRIAN AND/OR SCHOOL STUDENT TRAFFIC AS WELL AS VEHICULAR TRAFFIC. THE FOLLOWING ARE MINIMUM REQUIREMENTS:

- 1) THE SAFE WALK ROUTE FOR ALL SCHOOL STUDENTS WITHIN THE VICINITY OF THE CONSTRUCTION ZONE SHALL BE MAINTAINED DURING THE TIMES STUDENTS ARE ARRIVING AT OR LEAVING SCHOOL. IF THE CURRENT WALKING SURFACE CAN NOT BE MAINTAINED, THEN A TEMPORARY ROAD-ROCK 4' WALK WAY SHALL BE CREATED. THE SAFE WALK ROUTE SHALL BE SEPARATED FROM THE CONSTRUCTION ACTIVITY BY THE 4' HIGH ORANGE CONSTRUCTION FENCE FOR THE ENTIRE LENGTH OF THE PROJECT OR THE LENGTH OF THE WALK ROUTE, WHICHEVER IS LESS.
- 2) ALL CONSTRUCTION EQUIPMENT AROUND ANY DESIGNATED CROSSWALK SHALL CEASE TO OPERATE DURING THE TIMES STUDENTS ARE ARRIVING AT OR LEAVING SCHOOL. ALL CONSTRUCTION EQUIPMENT ADJACENT TO A DESIGNATED WALK ROUTE SHALL CEASE OPERATING UNLESS SATISFACTORILY BARRICADED FROM THE WALK ROUTE.
- 3) IN THE CASE THAT A DESIGNATED CROSSING OR ANY PORTION OF THE DESIGNATED WALK ROUTE CAN NOT BE MAINTAINED, THEN THE CONTRACTOR SHALL NOTIFY THE SPECIAL PROJECTS COORDINATOR AT BROWARD COUNTY TRAFFIC ENGINEERING DIVISION, (954) 847-2671, A MINIMUM OF TEN (10) WORKING DAYS PRIOR TO CLOSING THAT ROUTE IN ORDER THAT AN ALTERNATE CROSSING/ROUTE CAN BE ESTABLISHED.
- 4) IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL ANY NECESSARY PAVEMENT, ROAD ROCK, PAVEMENT MARKING AND SIGNAGE AND/OR ANY PEDESTRIAN SIGNALIZATION AND/OR SIGNAL MODIFICATION TO ACCOMMODATE AN EXISTING OR ALTERNATE WALK ROUTE.
- 5) IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE STATE CERTIFIED SCHOOL CROSSING GUARDS OR OFF DUTY POLICE OFFICERS TO CROSS STUDENTS AT ANY LOCATIONS OTHER THAN THOSE PREVIOUSLY DESIGNATED. THE CONTRACTOR MAY USE FLAGMEN, ONLY IF THEY ARE STATE CERTIFIED AS A SCHOOL CROSSING GUARD.
- 6) THIRTY (30) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION THE CONTRACTOR SHALL NOTIFY THE SPECIAL PROJECTS COORDINATOR AT BROWARD COUNTY TRAFFIC ENGINEERING DIVISION, (954) 847-2671, TO ARRANGE A PRE-CONSTRUCTION - SCHOOL SAFETY MEETING.
- 7) IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE BROWARD COUNTY SCHOOL BOARD PUPIL TRANSPORTATION DEPARTMENT, (754) 321 -4440, TO ARRANGE A PRE-CONSTRUCTION - SCHOOL BUS ROUTE MEETING. THIS MEETING IS TO DETERMINE ALL BUS ROUTES AND TO MAKE ANY NECESSARY ARRANGEMENTS FOR REROUTING. THIS MEETING SHALL INCLUDE THE SPECIAL PROJECTS COORDINATOR FROM BROWARD COUNTY TRAFFIC ENGINEERING DIVISION, (954) 847 -2671.
- 8) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A SAFE AND ADEQUATE WALKING SURFACE FOR ALL SCHOOL CHILDREN/PEDESTRIANS. THE SAFE WALK ROUTE SHALL BE PART OF THE MAINTENANCE OF TRAFFIC PLAN.

**GENERAL TRAFFIC CONTROL PLAN NOTES:**

1. REGULATORY SPEED ESTABLISHED WITHIN THE WORK ZONE TRAVEL WAYS SHALL BE THE POSTED SPEED.
2. FDOT INDICES 102-612, 102-613, & 102-616 SHALL BE USED FOR LIGHTING CONSTRUCTION, WHERE APPLICABLE.
3. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FDOT STANDARD PLANS (102-600 SERIES), FDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION AND THE MUTCD.
4. SINGLE LANE CLOSURES SHALL OCCUR ONLY DURING NON-PEAK HOURS. NON-PEAK HOURS ARE: FROM 9:00 A.M TO 4:30 P.M. NO EXISTING LANES SHALL BE CLOSED ON SATURDAY, SUNDAY, OR ANY HOLIDAY. NO EXISTING LANES SHALL BE CLOSED ON A FRIDAY PRECEDING A SATURDAY HOLIDAY OR THE MONDAY FOLLOWING A SUNDAY HOLIDAY. NO EXISTING LANE SHALL BE CLOSED DURING SPECIAL EVENT DATES AS DETERMINED BY THE ENGINEER. THE ENGINEER MAY ADJUST LANE CLOSURE TIMES IF CONDITIONS WARRANT. WHEN UNDUE CONGESTION OCCURS THE CONTRACTOR SHALL REOPEN THE LANES TO TRAFFIC AT NOT ADDITIONAL COST TO THE OWNER.
5. LANE CLOSURES FOR CONSTRUCTION OF PEDESTRIAN RAMPS AND SIDEWALKS SHALL NOT EXTEND BEYOND THE LIMITS OF THESE IMPROVEMENTS EXCEPT TO PROVIDE A SAFE TRANSITION AREA ON THE APPROACH TO THE WORK ZONE. THE ENGINEER SHALL ADJUST THE LENGTH OF THE LANE CLOSURE AT HIS DISCRETION.
6. CONTRACTOR SHALL REMOVE, RELOCATE OR COVER ANY EXISTING OR PROPOSED SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLANS. WHEN THE CONFLICT NO LONGER EXISTS, THE CONTRACTOR SHALL RESTORE THE SIGNS TO THEIR ORIGINAL POSITION. ARROWS ON THE TCP DENOTE THE DIRECTION OF TRAFFIC ONLY AND DO NOT REFLECT PAVEMENT MARKINGS UNLESS SPECIFICALLY NOTED.
7. EACH EXISTING STREET NAME AND STOP SIGN AFFECTED BY CONSTRUCTION SHALL BE RELOCATED AND MAINTAINED IN AN APPROPRIATE LOCATION FOR THE DURATION OF THE PROJECT. WHEN NO LONGER AFFECTED BY CONSTRUCTION, THESE SIGNS SHALL BE RESTORED TO THEIR ORIGINAL POSITION.
8. CONTRACTOR SHALL COORDINATE HIS STAGING AREAS WITHIN THE AVAILABLE RIGHT-OF-WAY AND LOCAL MUNICIPALITIES. CONTRACTOR SHALL MEET ALL LOCAL CODES.
9. ALL PROPERTIES SHALL HAVE ACCESS AT ALL TIMES. THIS WILL REQUIRE COORDINATION WITH THE PROPERTY OWNERS AND/OR RESIDENTS. IF A DRIVEWAY CLOSURE IS NECESSARY, THE PROPERTY OWNER AND/OR RESIDENT SHALL BE NOTIFIED SEVEN (7) DAYS IN ADVANCE OF THE CLOSURE IN ADDITION TO THE LOCATION OF THE TEMPORARY ACCESS. IF THE PROPERTY HAS MORE THAN ONE DRIVEWAY, AT LEAST ONE DRIVEWAY SHALL REMAIN OPEN TO MAINTAIN ACCESS.



**BCTED COMMUNICATION NOTES**

B.C.H.C.E.D. REF. #180918001

THE AGENCY RESPONSIBLE FOR MAINTENANCE OF THE TRAFFIC SIGNALS AND RELATED EQUIPMENT IS BROWARD COUNTY TRAFFIC ENGINEERING DIVISION (BCTED.) ALL SYSTEM COMMUNICATIONS EQUIPMENT, CABLING AND RELATED MATERIAL SHALL COMPLY WITH BROWARD COUNTY'S LATEST EDITION OF THE MINIMUM STANDARDS AS EXPRESSED IN THE "STANDARDS AND SPECIFICATIONS - COMMUNICATION INFRASTRUCTURE" DOCUMENT. PLEASE REFER TO (BCTED'S) COMMUNICATIONS POLICIES AND PROCEDURES FOR ADDITIONAL INFORMATION. BROWARD COUNTY TRAFFIC ENGINEERING DIVISION WILL NOT ACCEPT ANY PROJECTS THAT DO NOT MEET THESE STANDARDS AND SPECIFICATIONS. FOR A COPY OF THESE STANDARDS REFER TO THE BROWARD COUNTY WEB SITE AT WWW.BROWARD.ORG/TRAFFIC UNDER PUBLICATIONS.

IF THERE ARE FIBER OPTIC CABLE/S WITHIN YOUR PROJECT LIMITS OR WITHIN 1500 FEET OF YOUR PROJECT LIMITS CONTACT THE COMMUNICATIONS MANAGER AT TECOMMUNICATIONS@BROWARD.ORG OR 954-847-2745.

IF THERE ARE CELLULAR COMMUNICATIONS WITHIN YOUR PROJECT LIMITS, CONTACT THE COMMUNICATIONS MANAGER AT TECOMMUNICATIONS@BROWARD.ORG OR 954-847-2745.

ALL BCTED COMMUNICATIONS CABLES/CONDUIT SHALL BE LOCATED A MINIMUM OF 48 HOURS IN ADVANCE.

**BROWARD COUNTY TRAFFIC ENGINEERING DIVISION  
PROCEDURE FOR NOTIFICATION OF COMMUNICATION DISRUPTION**

FIBER OPTIC CABLE & CELLULAR NOTIFICATION CONTACT PERSON  
WHEN COMMUNICATIONS TO AN INTERSECTION MUST BE DISRUPTED BY A CONTRACTOR TO PERFORM WORK, THE CONTRACTOR SHALL PROVIDE TWO DAY ADVANCE NOTICE IN WRITING TO THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION. THIS NOTIFICATION SHALL BE CONVEYED VIA ELECTRONIC MAIL (EMAIL) TO THE COMMUNICATIONS MANAGER AT TECOMMUNICATIONS@BROWARD.ORG. NOTIFICATION SHALL INCLUDE CONTACT PERSON, TELEPHONE NUMBER, PURPOSE, LOCATION AND DURATION. THE DISRUPTION SHALL LAST FOR NO MORE THAN 3 CONSECUTIVE BUSINESS DAYS. WHERE POSSIBLE, THE DISRUPTION SHALL BE DURING OFF PEAK HOURS BEGINNING AT 9:00AM AND ENDING AT 3:00PM.

**BCTED GENERAL NOTES**

THE FOLLOWING ITEMS ARE NOT REVIEWED OR ACCEPTED BY BROWARD COUNTY:

1. BROWARD COUNTY TRAFFIC ENGINEERING DIVISION'S REVIEW DOES NOT INCLUDE A REVIEW AND ACCEPTANCE OF THE PROJECT'S DESIGN OR OPERATION. THESE ITEMS ARE TO BE REVIEWED AND APPROVED BY THE CITY ENGINEER.
2. BROWARD COUNTY TRAFFIC ENGINEERING DIVISION DOES NOT REVIEW AND APPROVE, OR INSPECT AND ACCEPT THE FOLLOWING ITEMS FOR MAINTENANCE: PAVEMENT MARKINGS ON OR ADJACENT TO PAVEMENT BRICKS, PAINTED ASPHALT, STAMPED ASPHALT OR PAVEMENT MARKINGS MADE OF PAVEMENT BRICKS, RAISED INTERSECTIONS AND RELATED MARKINGS AND SIGNING, UN-WARRANTED MID-BLOCK CROSSWALKS AND RELATED MARKINGS AND SIGNING, UN-WARRANTED CROSSWALKS AND RELATED MARKINGS AND SIGNING, PAINTED/DECORATIVE CROSSWALKS, RAISED CROSSWALKS AND RELATED MARKINGS AND SIGNING, ADVANCED WARNING PAVEMENT MARKINGS FOR SPEED TABLES, BLINKER SIGNS, RECTANGULAR RAPID FLASHER BEACONS AND RELATED MARKINGS AND SIGNING, ON-STREET PARKING AND RELATED MARKINGS AND SIGNING, IN-ROAD LIGHTING AND RELATED MARKINGS AND SIGNING, GREEN BIKE LANES, FLEXIBLE DELINEATORS, DECORATIVE SIGNS AND DECORATIVE SIGN POSTS, PLANTERS, ON-SITE PAVEMENT MARKINGS AND SIGNING, OFF-SITE PAVEMENT MARKINGS AND SIGNING IN RIGHT-OF-WAY THAT IS NOT DEDICATED FOR PUBLIC USE, SIDEWALK WORK OR ASPHALT WORK.
3. THE CITY ENGINEER IS RESPONSIBLE FOR THE REVIEW AND APPROVAL OF THE DESIGN AND OPERATION OF THE PROJECT, AND FOR THE INSPECTION AND ACCEPTANCE OF THE FOLLOWING ITEMS THAT WILL BE MAINTAINED BY THE CITY: PAVEMENT MARKINGS ON OR ADJACENT TO PAVEMENT BRICKS, PAINTED ASPHALT, STAMPED ASPHALT OR PAVEMENT MARKINGS MADE OF PAVEMENT BRICKS, PAVEMENT MARKINGS ON OR ADJACENT TO PAINTED ASPHALT, RAISED INTERSECTIONS AND RELATED MARKINGS AND SIGNING, UN-WARRANTED MID-BLOCK CROSSWALKS AND RELATED MARKINGS AND SIGNING, UN-WARRANTED CROSSWALKS AND RELATED MARKINGS AND SIGNING, PAINTED/DECORATIVE CROSSWALKS, RAISED CROSSWALKS AND RELATED MARKINGS AND SIGNING, ADVANCED WARNING PAVEMENT MARKINGS FOR SPEED TABLES, BLINKER SIGNS, RECTANGULAR RAPID FLASHER BEACONS AND RELATED MARKINGS AND SIGNING, ON-STREET PARKING AND RELATED MARKINGS AND SIGNING, IN-ROAD LIGHTING AND RELATED MARKINGS AND SIGNING, GREEN BIKE LANES, FLEXIBLE DELINEATORS, DECORATIVE SIGNS AND DECORATIVE SIGN POSTS, PLANTERS, ON-SITE PAVEMENT MARKINGS AND SIGNING, OFF-SITE PAVEMENT MARKINGS AND SIGNING IN RIGHT-OF-WAY THAT IS NOT DEDICATED FOR PUBLIC USE, SIDEWALK WORK AND ASPHALT WORK.

**Powercore Communications  
As-Builts: 12-15-2020  
No Changes this page**

BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION

PLAN CONSISTENT WITH PLAT REQUIREMENTS

PUBLIC RIGHT OF WAY APPROVAL FOR PAVING, GRADING AND DRAINAGE

BY: *[Signature]* DATE: *12/20/19*

DOES NOT INCLUDE APPROVAL OF PAVEMENT MARKINGS & SIGNS

PERMIT SET

MUST BE ON JOBSITE AT ALL TIMES DURING CONSTRUCTION

ALL MATERIALS USED AND INSTALLATIONS WITHIN THE PUBLIC RIGHT OF WAY OR EASEMENTS SHALL BE IN ACCORDANCE WITH BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION SPECIFICATIONS.

NOTICE INSPECTION REQUIRED

24 HRS. PRIOR TO CONSTRUCTION ANY WORK IN THE PUBLIC R/W CONTACT THE BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION AT (954) 577-4600 FOR INSPECTION.

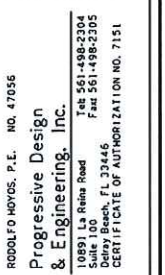
NOTE:

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE A PERMIT FOR CONSTRUCTION.

A PERMIT FOR CONSTRUCTION MUST BE OBTAINED FROM THE BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION PRIOR TO COMMENCING CONSTRUCTION IN THE PUBLIC RIGHT OF WAY.

CONSULTANT:  
RODOLFO HOYOS  
P.E. LICENSE NO. 47056

DATE:



GENERAL NOTES  
PEDESTRIAN LIGHTING DESIGN PROJECT  
CITY OF COCONUT CREEK  
100% CONSTRUCTION SET

RUB Proj. No: 18024  
Date: AUGUST 09, 2018  
DESIGN: RUDY  
DRAWN: HR/JC  
CHECK: HM

SHEET NAME:  
**G003**

F:\18024\_COCONUT\_CREEK\_PEDESTRIAN\_LIGHTING\CAD\CADD\GENERAL NOTES.DWG 2/14/19 BY JCRUIZGARCIA

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																TOTAL THIS SHEET		GRAND TOTAL			
			E003		E004		E005		E006		E007		E008		E009		E010		E011		PLAN	FINAL	PLAN	FINAL
			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	420	870	870	1210	970	680	965	825	30	6790		<del>6790</del>	7548									
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	330	210	270		215	500	185	350	20	2080		<del>2080</del>	1322									
630-2-15	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT	LF		120			100					220												
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	6	13	10	10	16	11	11	11	2	90												
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF	2310	3680	3340	3660	4110	3580	3500	3570	150	27900												
715-7-21	LOAD CENTER, REWORK, SECONDARY VOLTAGE	EA					1					1												
715-500-1	POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL	EA	5	8	7	10	10	9	11	10	2	72												
715-516-115	LIGHT POLE COMPLETE- SPECIAL DESIGN, F&I SINGLE ARM SHOULDER MOUNT, ALUMINUM, 15'	EA	5	8	7	10	10	9	11	10	2	72												

Powercore Communications As-Built  
 Change Directional bore to 7548' and trench to 1322'  
 12-15-2020

*Rodolfo Hoyos*  
 6-29-19

CONSULTANT:  
 RODOLFO HOYOS  
 P.E. LICENSE NO. 47056  
 DATE:

**R.J. Behar & Company, Inc.**  
 Engineers - Planners  
 6881 S.W. 19TH AVE., SUITE 302  
 PEMBROKE PINES, FL 33332  
 PH: 954-880-7771, FAX: 954-880-7781  
 CERTIFICATE OF AUTHORIZATION NO. 00068985

RODOLFO HOYOS, P.E. NO. 47056  
 Progressive Design  
 & Engineering, Inc.  
 10891 La Reina Road  
 Suite 100 Pembroke, FL 33346  
 PH: 954-880-7771, FAX: 954-880-7781  
 CERTIFICATE OF AUTHORIZATION NO. 7151



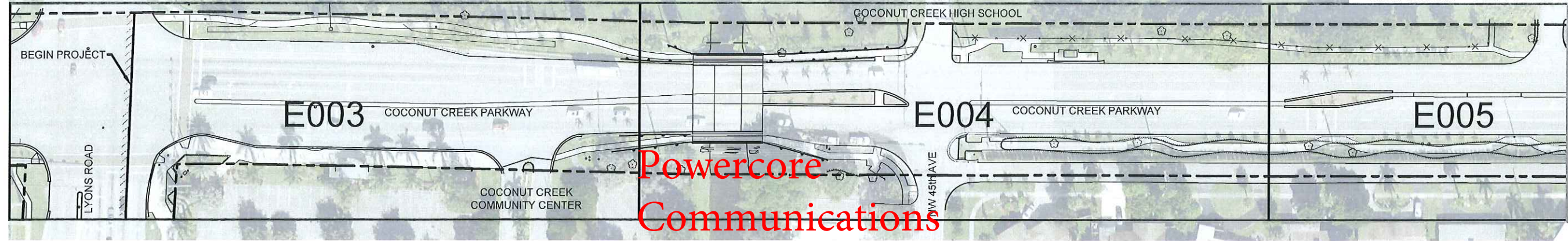
TABULATION OF QUANTITIES  
 PEDESTRIAN LIGHTING DESIGN PROJECT  
 CITY OF COCONUT CREEK  
 100% CONSTRUCTION SET

RJB Proj. No:	18024
Date:	AUGUST 09, 2018
DESIGN:	RUDY
DRAWN:	HRJC
CHECK:	HM

REVISIONS:

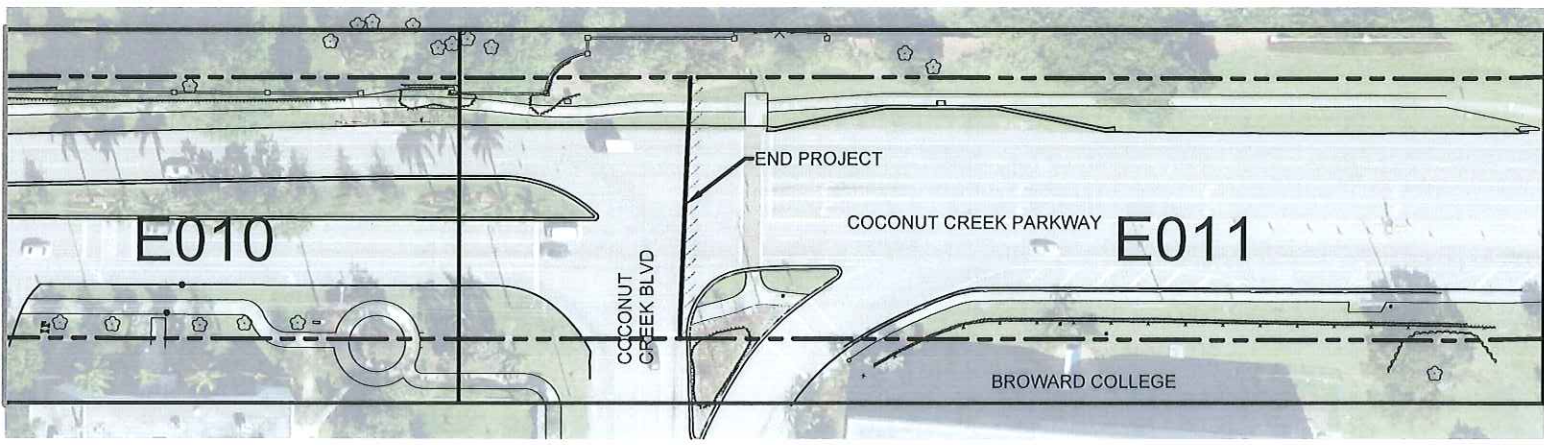
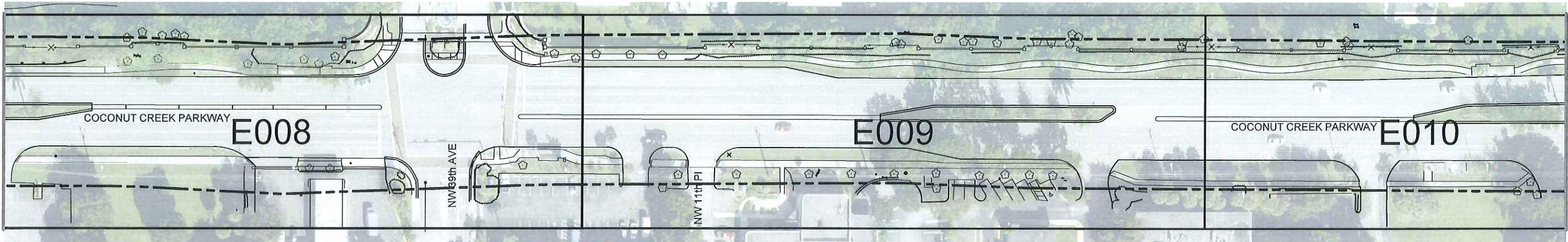
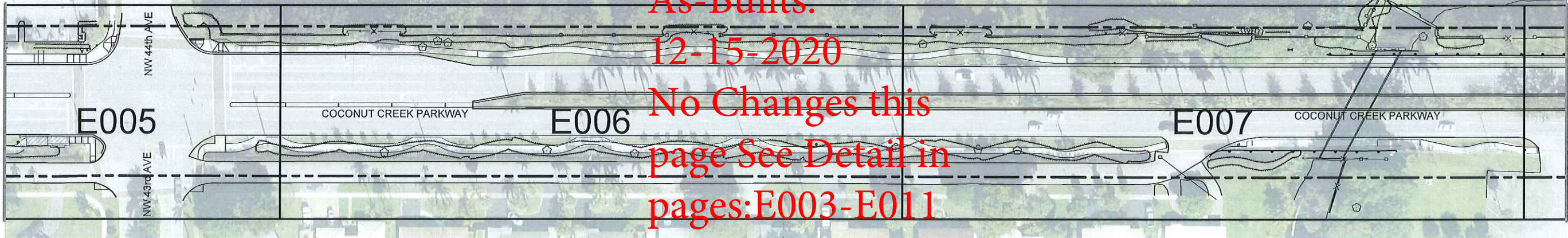
SHEET NAME:  
**G004**

F:\18024\_COCONUT\_CREEK\_PEDESTRIAN\_LIGHTING\G004-TABULATION QUANTITIES.dwg 2/14/19 by JCR/GJG/ACIA



**Powercore  
Communications**

**As-Builts:  
12-15-2020  
No Changes this  
page See Detail in  
pages: E003-E011**



**BROWARD COUNTY HIGHWAY CONSTRUCTION  
AND ENGINEERING DIVISION**

- PLAN CONSISTENT WITH PLAT REQUIREMENTS
- PUBLIC RIGHT OF WAY APPROVAL FOR PAVING, GRADING AND DRAINAGE
- DOES NOT INCLUDE APPROVAL OF PAVEMENT MARKINGS & SIGNS

BY: *Alley Papp* DATE: 6/26/19

CONSULTANT:  
RODOLFO HOYOS  
P.E. LICENSE NO. 47056  
DATE: 6-28-19

**R.J. Behar & Company, Inc.**  
Engineers & Planners  
6881 S.W. 198TH AVE. SUITE 302  
PENSACOLA, FL 32532  
PH: 954-880-7771, FAX: 954-880-7781  
CERTIFICATE OF AUTHORIZATION NO. 00008965

RODOLFO HOYOS, P.E. NO. 47056  
**Progressive Design & Engineering, Inc.**  
50931 La Reina Road  
Delray Beach, FL 33446  
Tel: 561-498-2304  
Fax: 561-498-2395  
CERTIFICATE OF AUTHORIZATION NO. 7151



**KEY MAP**  
**PEDESTRIAN LIGHTING DESIGN PROJECT**  
CITY OF COCONUT CREEK  
100% CONSTRUCTION SET

RJB Proj. No:	18024
Date:	AUGUST 09, 2018
DESIGNER:	RUDY
DRAWN:	HRUC
CHECK:	HM
REVISIONS:	

SHEET NAME:  
**G005**

F:\18024\_COCONUT\_CREEK\_PEDESTRIAN\_LIGHTING\CAD\KEY MAP DWG 2/14/19 BY JHUIZGARCIA

**LEGEND AND DESCRIPTION**

**ABBREVIATIONS**

-----	RIGHT OF WAY	OHCAV	OVERHEAD TELEVISION CABLE
10+00	BASELINE W/ STATIONING	OHTSL	OVERHEAD TRAFFIC SIGNAL LIGHT
FM	POWER COMMUNICATIONS	UGCAV	UNDERGROUND TELEVISION CABLE
WM	WATER MAIN	SF	SQUARE FEET
EX. STORM	EXISTING STORM SEWER, INLET & MANHOLE	CB	CATCH BASIN
BCTED	BROWARD COUNTY TRAFFIC & ENGINEERING DIVISION-COPPER	TLP	TRAFFIC LIGHT POLE
CATV	UNDERGROUND TELEVISION CABLE	TSB	TRAFFIC SIGNAL BOX
TEL	UNDERGROUND TELEPHONE CABLE/DUCT BANK	UGAT&T	UNDERGROUND AT&T LINE
FPL	OVERHEAD ELECTRIC CABLE	OHAT&T	OVERHEAD AT&T LINE
EX. 2' FO	FIBER OPTIC	UGFPL	UNDERGROUND FPL LINE
x-x-x-x-x	FENCE LINE	TCC	TRAFFIC CONTROLLER CABINET
⊙	UTILITY POLE & GUY ANCHOR	BCTEDCO	SYSTEMS DATA COMMUNICATIONS CABLE, UNDERGROUND
⊕	SIGNAGE		
SM	SANITARY SEWER MANHOLE		
SM	STORM SEWER MANHOLE		
⊙	IRRIGATION CONTROL VALVE		
WV	WATER VALVE		
WM	WATER METER		
FH	FIRE HYDRANT		
☼	SHADE TREE		
☼	PALM TREE		
⊕	BELLSOUTH TELEPHONE MANHOLE		
WPP	WOOD POWER POLE		
▣	CONCRETE POLE		
▣	GUARDRAIL		
OH	OVERHEAD POWER LINE		
∅	EXISTING CONDUIT TO REMAIN		
⊕	EXISTING LIGHTING LOAD CENTER, SEE SERVICE POINT DETAIL.		
⊕	EXISTING LIGHTING POLE TO REMAIN		
⊕	ALUMINUM POLE, ARM, LUMINAIRE, PULL BOX & FOUNDATION. 55W LED LUMINAIRE DESIGNED FOR TYPE II DISTRIBUTION. INTEGRAL LED DRIVER WIRED FOR 480 VOLT OPERATION. POLE MOUNTING HEIGHT IS 14 FT. LUMINAIRE TO BE BEACON PRODUCTS URBAN SERIES 21" CAPITOL 3000K LED LUMINAIRE. CAT. NO. URB-CAP21-24NB-55-3K-480V-T2-3RNV WITH CUSTOM ARM SIMILAR TO AA-40. LED DRIVER SHALL OPERATE AT 480V.		
---	2" SCHEDULE 40 PVC CONDUIT WITH THWN-2 CONDUCTORS INSIDE (CONDUIT AND CONDUCTOR SIZE AS SHOWN ON PLAN SHEETS). RUN ONE (1) 6 AWG COPPER BOND CONDUCTOR (GREEN INSULATION) INSIDE CONDUIT WITH OTHER CONDUCTORS.		
---	2" HDPE CONDUIT (DIRECTIONAL BORE), UNLESS OTHERWISE NOTED ON PLAN, WITH THWN-2 CONDUCTORS INSIDE (CONDUCTOR SIZE AS SHOWN ON PLAN SHEETS). EXTEND CONDUIT BEYOND EDGE OF PAVEMENT TO PULL BOXES. RUN ONE (1) 6 AWG COPPER BOND CONDUCTOR (GREEN INS.) INSIDE CONDUIT WITH OTHER CONDUCTORS.		
---	2" RIGID GALVANIZED STEEL CONDUIT BRIDGE, OR SURFACE, MOUNTED WITH THWN-2 CONDUCTORS INSIDE (CONDUCTOR SIZE AS SHOWN ON PLAN SHEETS). RUN ONE (1) 6 AWG COPPER BOND CONDUCTOR (GREEN INS.) INSIDE CONDUIT WITH OTHER CONDUCTORS.		
▣	PULL BOX, POLYMER CONCRETE TYPE. FOR SPECIFICATIONS SEE SECTION 635 OF STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.		

**POLE DATA**

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	POLE SETBACK	PAY ITEM
1	B-1	STA. 60+10 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
2		STA. 61+25 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
3		STA. 62+40 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
4		STA. 63+55 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
5		STA. 66+75 LT @	-	55W	14 FT.	SEE NOTE 3	715-516-115
6		STA. 69+52 LT @	-	55W	14 FT.	SEE NOTE 3	715-516-115
7		STA. 72+22 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
8		STA. 75+00 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
9		STA. 76+08 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
10		STA. 77+20 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
11		STA. 78+35 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
12		STA. 79+50 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
13		STA. 80+65 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
14		STA. 81+80 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
15		STA. 82+95 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
16		STA. 83+95 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
17		STA. 85+10 LT @	-	55W	14 FT.	5 FT BEHIND G.R.	715-516-115
18	B-1	STA. 86+25 LT @	-	55W	14 FT.	5 FT BEHIND G.R.	715-516-115
19	B-1	STA. 87+40 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
20		STA. 88+55 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
21		STA. 89+65 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
22		STA. 90+62 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
23		STA. 92+32 LT @	-	55W	14 FT.	SEE NOTE 4	715-516-115
24		STA. 93+02 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
25		STA. 94+17 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
26		STA. 95+32 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
27		STA. 96+47 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
28		STA. 97+62 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
29		STA. 98+77 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
30		STA. 99+92 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
31		STA. 101+07 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
32		STA. 102+37 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
33		STA. 103+52 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
34	B-1	STA. 104+42 LT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
35	B-2	STA. 59+68 RT @	-	55W	14 FT.	SEE NOTE 4	715-516-115
36		STA. 61+30 RT @	-	55W	14 FT.	R/W LINE	715-516-115
37		STA. 63+59 RT @	-	55W	14 FT.	5 FT BEHIND G.R.	715-516-115
38		STA. 64+74 RT @	-	55W	14 FT.	5 FT BEHIND G.R.	715-516-115
39		STA. 65+60 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
40		STA. 66+90 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
41		STA. 68+00 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
42		STA. 69+15 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
43		STA. 70+30 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
44		STA. 71+45 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
45		STA. 72+55 RT @	-	55W	14 FT.	SEE NOTE 4	715-516-115
46		STA. 74+70 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
47		STA. 75+85 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
48		STA. 77+00 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
49		STA. 78+40 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
50	B-2	STA. 79+30 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115

Poles 1-34 on circuit B-1. See revised electrical plans

Poles 35-72 on B-2, See revised Electrical plans

**NOTES:**

1. POLE SETBACK IS THE DISTANCE MEASURED FROM FACE OF CURB, OR TRAVEL LANE, TO THE FACE OF POLE.
2. FRONT FACE OF FOUNDATION TO BE FLUSH WITH BACK OF SIDEWALK.
3. FRONT FACE OF FOUNDATION TO BE FLUSH WITH FRONT OF SIDEWALK.
4. BACK FACE OF FOUNDATION TO BE FLUSH WITH BACK OF SIDEWALK.

**CONVENTIONAL LIGHTING DESIGN CRITERIA**

AVERAGE INITIAL INTENSITY (HORZ.) ..... 1.0 FOOT CANDLES  
 UNIFORMITY RATIO AVG./MIN. .... 4:1 OR LESS  
 MAX./MIN. .... 10:1 OR LESS  
 WIND SPEED ..... 160 MPH

F:\180918001\_CREEK\_PEDS\PLAN\LEGENDS-POLE DATA AND LEGENDS 2/14/19 By: JORDAN GARCIA

**R.J. Behar & Company, Inc.**  
 Engineers - Planners  
 6851 S.W. 198TH AVE., SUITE 302  
 PEMBROKE PINES, FL 33332  
 PH: 954-880-7771, FAX: 954-880-7761  
 CERTIFICATE OF AUTHORIZATION NO. 0008985

RODOLFO HOYOS, P.E. NO. 47056  
 Progressive Design & Engineering, Inc.  
 10891 La Reina Road  
 Suite 100, Pembroke Pines, FL 33332  
 CERTIFICATE OF AUTHORIZATION NO. 7151



**POLE DATA AND LEGEND**  
**PEDESTRIAN LIGHTING DESIGN PROJECT**  
 CITY OF COCONUT CREEK  
 100% CONSTRUCTION SET

RJB Proj. No:	18024
Date:	AUGUST 09, 2018
DESIGN:	RUDY
DRAWN:	HRP
CHECK:	HM

REVISIONS:

SHEET NAME:  
**E001**

CONSULTANT:  
 RODOLFO HOYOS  
 P.E. LICENSE NO. 47056  
 DATE:

**POLE DATA**

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	POLE SETBACK	PAY ITEM
51	B-1	STA. 80+45 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
52		STA. 81+60 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
53		STA. 82+75 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
54		STA. 84+30 RT @	-	55W	14 FT.	5 FT BEHIND G.R.	715-516-115
55		STA. 85+37 RT @	-	55W	14 FT.	5 FT BEHIND G.R.	715-516-115
56	B-1	STA. 86+12 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
57	B-1	STA. 87+72 RT @	-	55W	14 FT.	SEE NOTE 5	715-516-115
58		STA. 88+87 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
59		STA. 90+09 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
60		STA. 91+95 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
61		STA. 92+90 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
62		STA. 94+20 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
63		STA. 95+35 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
64		STA. 96+40 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
65		STA. 97+30 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
66		STA. 97+84 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
67		STA. 98+99 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
68		STA. 100+39 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
69		STA. 101+29 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
70		STA. 102+34 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
71	B-1	STA. 103+39 RT @	-	55W	14 FT.	SEE NOTE 2	715-516-115
72	B-1	STA. 104+54 RT @	-	55W	14 FT.	SEE NOTE 3	715-516-115

Pole 51-72 on B-1

Powercore  
Communications  
As-Builts  
12-15-2020

NOTES:

1. POLE SETBACK IS THE DISTANCE MEASURED FROM FACE OF CURB, OR TRAVEL LANE, TO THE FACE OF POLE.
2. FRONT FACE OF FOUNDATION TO BE FLUSH WITH BACK OF SIDEWALK.
3. FRONT FACE OF FOUNDATION TO BE FLUSH WITH FRONT OF SIDEWALK.
4. BACK FACE OF FOUNDATION TO BE FLUSH WITH BACK OF SIDEWALK.
5. FRONT FACE OF FOUNDATION TO BE 2 FEET FROM BACK OF SIDEWALK.

**R.J. Behar & Company, Inc.**  
Engineers & Planners  
0851 S.W. 198TH AVE., SUITE 302  
PENSACOLA, FL 32502  
PH: 954-880-7771, FAX: 954-880-7781  
CERTIFICATE OF AUTHORIZATION NO. 0000896 5

RODOLFO HOYOS, P.E., NO. 47056  
Progressive Design & Engineering, Inc.  
10891 La Reina Road  
Suite 100  
Coral Gables, FL 33156  
Tel: 561-992-2044  
Fax: 561-992-2055  
CERTIFICATE OF AUTHORIZATION NO. 7151



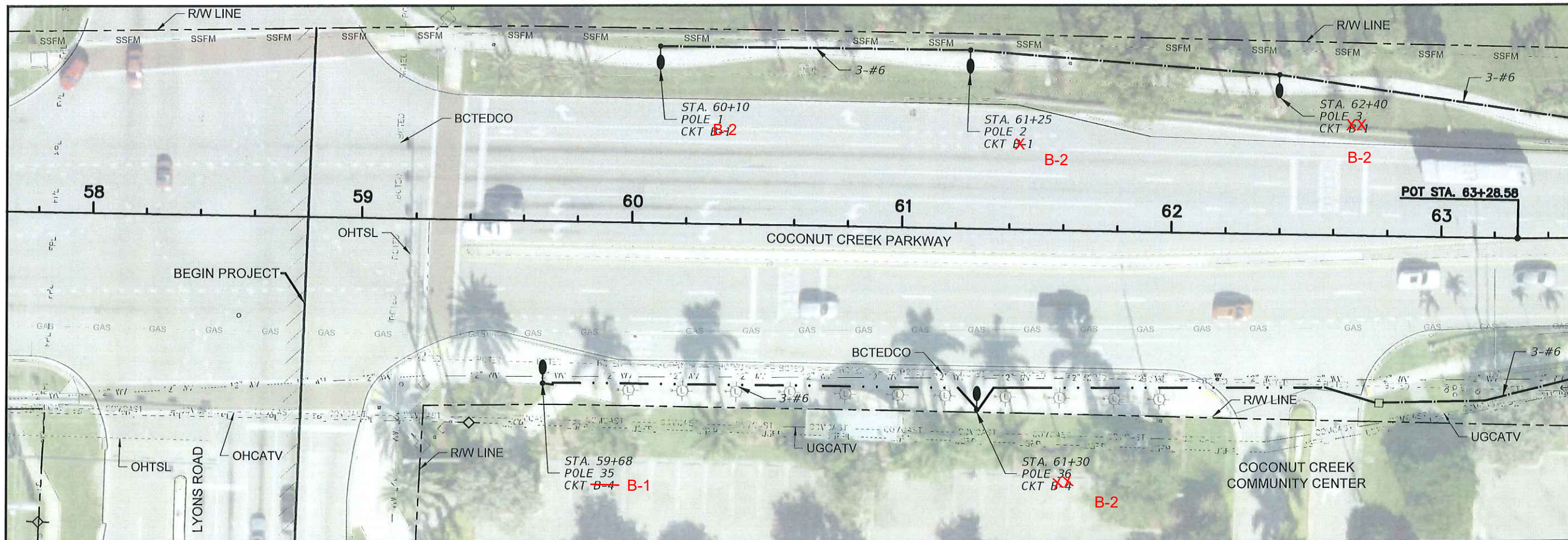
POLE DATA  
PEDESTRIAN LIGHTING DESIGN PROJECT  
CITY OF COCONUT CREEK  
100% CONSTRUCTION SET

RSB Proj. No:	18024
Date:	AUGUST 09, 2018
DESIGNER:	RUDY
CHECKER:	HRP
DATE:	8-28-18

SHEET NAME:  
**E002**

CONSULTANT:  
RODOLFO HOYOS  
P.E. LICENSE NO. 47056

DATE:

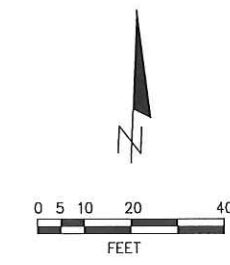


MATCH LINE - SEE DRAWING E004

**Powercore Communications**  
**As-Builts**  
**12-15-2020**

BROWARD COUNTY HIGHWAY CONSTRUCTION  
 AND ENGINEERING DIVISION

- PLAN CONSISTENT WITH PLAT REQUIREMENTS
  - PUBLIC RIGHT OF WAY APPROVAL FOR PAVING, GRADING AND DRAINAGE
- BY: *Alex Perea* DATE: 4/24/19  
 DOES NOT INCLUDE APPROVAL OF PAVEMENT MARKINGS & SIGNS



CONSULTANT:  
 RODOLFO HOYOS  
 P.E. LICENSE NO. 47056  
 DATE:

**R.J. Behar & Company, Inc.**  
 Engineers - Planners  
 6881 S.W. 196TH AVE., SUITE 302  
 PEMBROKE PINES, FL 33332  
 PH: 954-880-7771, FAX: 954-880-7781  
 CERTIFICATE OF AUTHORIZATION NO. 00009385

RODOLFO HOYOS, P.E. NO. 47056  
**Progressive Design & Engineering, Inc.**  
 10891 S.W. 19th Road  
 Delray Beach, FL 33446  
 CERTIFICATE OF AUTHORIZATION NO. 7151



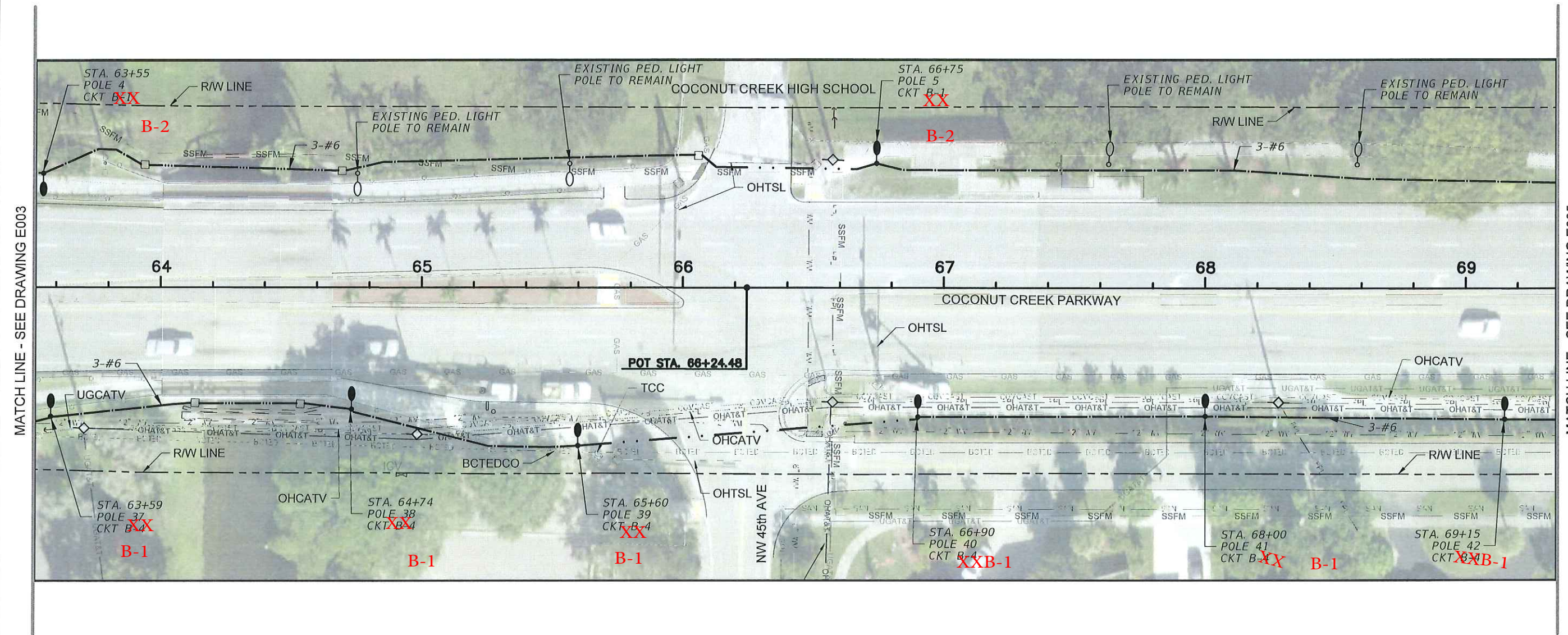
LAYOUT PLAN 1  
 PEDESTRIAN LIGHTING DESIGN PROJECT  
 CITY OF COCONUT CREEK  
 100% CONSTRUCTION SET

RJB Proj. No:	18024
Date:	AUGUST 09, 2018
DESIGN:	RUDY
DRAWN:	HRP
CHECK:	RUDY

SHEET NAME:  
**E003**

F:\18091 COCONUT CREEK PEDESTRIAN LIGHTING\18091-LAYOUT PLAN 1.RVT DWG 2/14/19 by JCRUZGARCIA





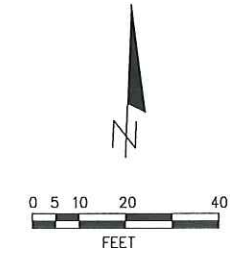
MATCH LINE - SEE DRAWING E003

MATCH LINE - SEE DRAWING E005

**Powercore Communications**  
**As-Builts**  
**12-15-2020**

BROWARD COUNTY HIGHWAY CONSTRUCTION  
 AND ENGINEERING DIVISION

PLAN CONSISTENT WITH PLAT REQUIREMENTS  
 PUBLIC RIGHT OF WAY APPROVAL FOR PAVING, GRADING AND DRAINAGE  
 BY: Alley Pees DATE: 6/26/19  
 DOES NOT INCLUDE APPROVAL OF PAVEMENT MARKINGS & SIGNS

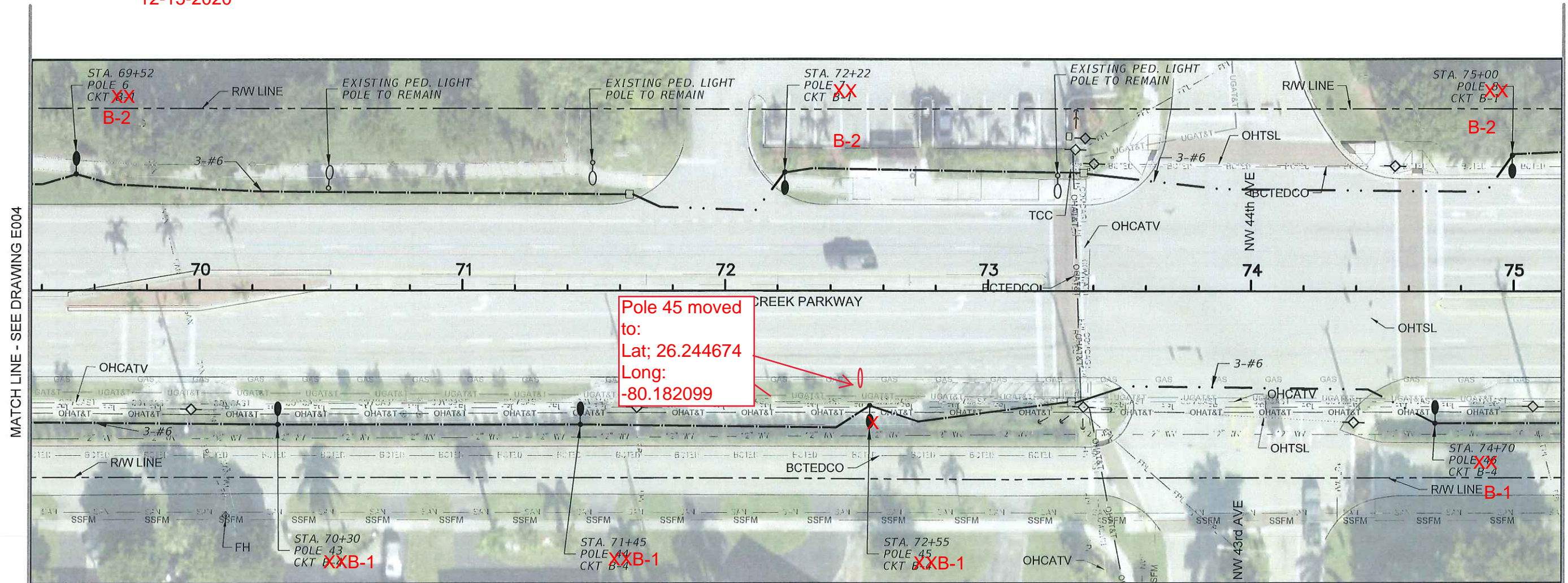


Professional Engineer Seal for Rodolfo Hoyos, P.E. License No. 47056, dated 6-28-19.

CONSULTANT:  
 RODOLFO HOYOS  
 P.E. LICENSE NO. 47056  
 DATE:

F:\MEX\COCONUT\_CREEK\PEDESTRIAN\_LIGHTING\CONSTRUCTION\_LAYOUT\_PLAN\_1\_PLOT.DWG 2/14/19 by JORJUGARCIA

Powercore Communications  
Asbuilts  
12-15-2020

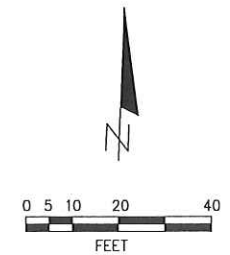


MATCH LINE - SEE DRAWING E004

MATCH LINE - SEE DRAWING E006

BROWARD COUNTY HIGHWAY CONSTRUCTION  
AND ENGINEERING DIVISION

- PLAN CONSISTENT WITH PLAT REQUIREMENTS
  - PUBLIC RIGHT OF WAY APPROVAL FOR PAVING, GRADING AND DRAINAGE
- BY: *Aley Perea* DATE: 6/29/19
- DOES NOT INCLUDE APPROVAL OF PAVEMENT MARKINGS & SIGNS



*Signature*  
6/28/19

CONSULTANT:  
RODOLFO HOYOS  
P.E. LICENSE NO. 47056  
DATE:

F:\18091\COCONUT\_CREEK\_PEDESTRIAN\_LIGHTING\CD\CD\PLAN\_LAYOUT\_P1.dwg 2/14/19 by JORJAZGARCIA

R.J.Behar & Company, Inc.  
Engineers-Planners  
6881 S.W. 49TH AVE., SUITE 302  
PEMBROKE PINES, FL 33032

RODOLFO HOYOS, P.E. NO. 47056  
Progressive Design  
& Engineering, Inc.  
13435 N.W. 10th Road  
Suite 100  
Dunwoody, GA 30346  
Tel: 516-498-2305  
Fax: 516-498-2305



LAYOUT PLAN 3  
PEDESTRIAN LIGHTING DESIGN PROJECT  
CITY OF COCONUT CREEK

RJB Proj. No: 18024  
Date: AUGUST 09, 20  
DESIGN: RUDY  
DRAWN: HRP  
REVISIONS:

SHEET NAME:  
**E005**

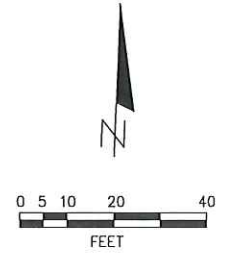


MATCH LINE - SEE DRAWING E005

MATCH LINE - SEE DRAWING E007

BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION

- PLAN CONSISTENT WITH PLAT REQUIREMENTS
  - PUBLIC RIGHT OF WAY APPROVAL FOR PAVING, GRADING AND DRAINAGE
- BY: Alex Peck DATE: 6/29/19
- DOES NOT INCLUDE APPROVAL OF PAVEMENT MARKINGS & SIGNS



CONSULTANT:  
 RODOLFO HOYOS  
 P.E. LICENSE NO. 47056

DATE: \_\_\_\_\_

*Rodolfo Hoyos*  
6-28-19

**R.J. Behar & Company, Inc.**  
 Engineers - Planners

6861 SW 180TH AVE., SUITE 202  
 PEMBROKE PARK, FL 33132  
 PH: 954-880-7771, FAX: 954-880-7781  
 CERTIFICATE OF AUTHORIZATION NO. 00008395

RODOLFO HOYOS, P.E. NO. 47056  
 Progressive Design & Engineering, Inc.  
 1089 La Reina Road  
 Delray Beach, FL 33446  
 Tel: 561-498-2304  
 Fax: 561-498-2305  
 CERTIFICATE OF AUTHORIZATION NO. 7151

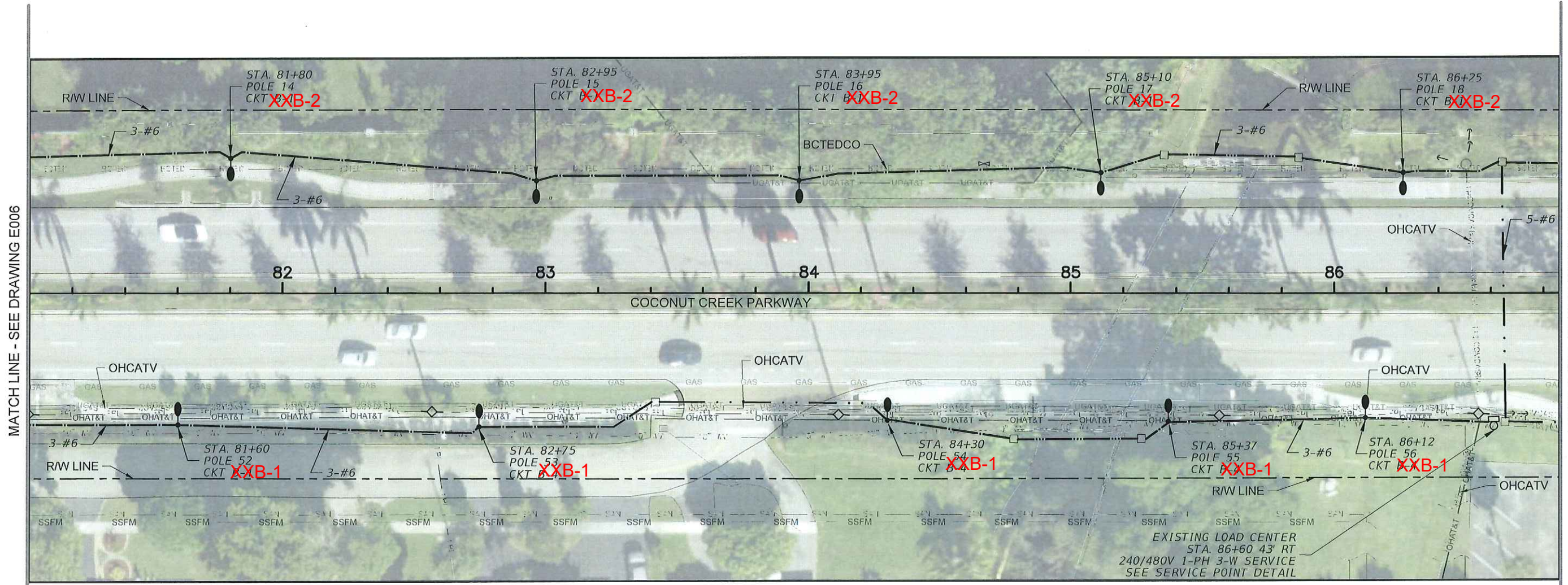


LAYOUT PLAN 4  
 PEDESTRIAN LIGHTING DESIGN PROJECT  
 CITY OF COCONUT CREEK  
 100% CONSTRUCTION SET

RJB Proj. No:	18024
Date:	AUGUST 09, 2018
DESIGNER:	RUDY
DRAWN:	HRP
CHECK:	RUDY
REVISIONS:	

SHEET NAME:  
**E006**

F:\18024\_COCONUT\_CREEK\_PEDESTRIAN\_LIGHTING\DRAWING\LAYOUT PLAN\_LAYOUT\_18024\_21-14-19.dwg 21-14-19 by JCR/UC/GARCIA



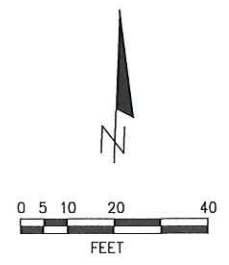
MATCH LINE - SEE DRAWING E006

MATCH LINE - SEE DRAWING E008

**PowerCore Communications**  
**As-Builts**  
 12-15-2020

BROWARD COUNTY HIGHWAY CONSTRUCTION  
 AND ENGINEERING DIVISION

PLAN CONSISTENT WITH PLAT REQUIREMENTS  
 PUBLIC RIGHT OF WAY APPROVAL FOR PAVING, GRADING AND DRAINAGE  
 BY: Alley Reyes DATE: 6/26/19  
 DOES NOT INCLUDE APPROVAL OF PAVEMENT MARKINGS & SIGNS

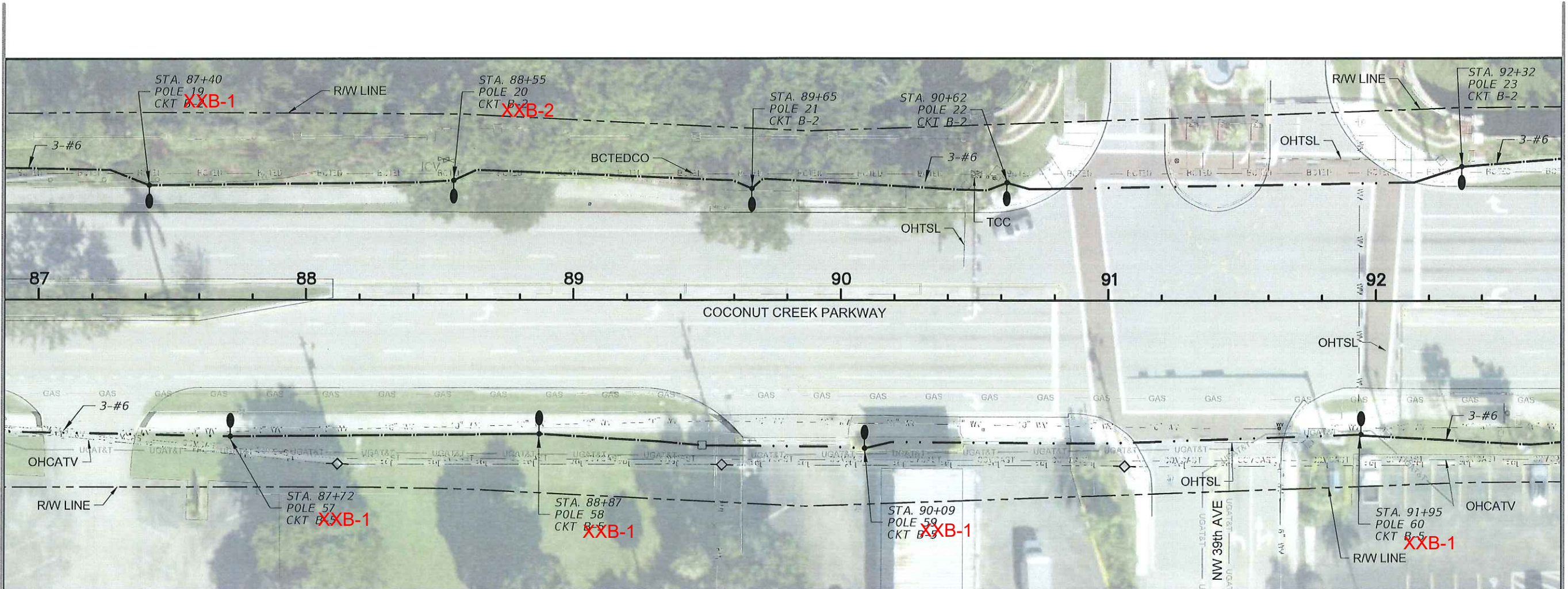


*R. Hoyos*  
 4-28-19

F:\18091\COCONUT\_CREEK\_PEDESTRIAN\_LIGHTING\CONSTRUCTION\_LAYOUT\_PLAN\_12.DWG 21:49:19 by: JCR/SGARCIA

MATCH LINE - SEE DRAWING E007

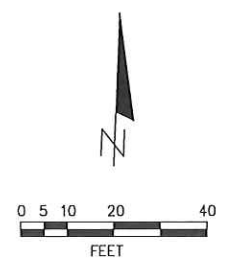
MATCH LINE - SEE DRAWING E009



PowerCore  
Communications As-Builts  
2-15-2020

BROWARD COUNTY HIGHWAY CONSTRUCTION  
AND ENGINEERING DIVISION

- PLAN CONSISTENT WITH PLAT REQUIREMENTS
  - PUBLIC RIGHT OF WAY APPROVAL FOR PAVING, GRADING AND DRAINAGE
- BY: *Alex Pagan* DATE: *6/26/19*  
DOES NOT INCLUDE APPROVAL OF PAVEMENT MARKINGS & SIGNS



CONSULTANT:  
RODOLFO HOYOS  
P.E. LICENSE NO. 47056

DATE:

*Rodolfo Hoyos*  
6-26-19

**R.J. Behar & Company, Inc.**  
Engineers & Planners

6661 S.W. 196TH AVE., SUITE 302  
PENSACOLA, FL 32532  
PH: 954-680-7771, FAX: 954-680-7781  
CERTIFICATE OF AUTHORIZATION No. 00008965

RODOLFO HOYOS, P.E. NO. 47056  
Progressive Design & Engineering, Inc.  
10091 Lo Reata Road  
Delray Beach, FL 33446  
PH: 561-498-2306  
FAX: 561-498-2305  
CERTIFICATE OF AUTHORIZATION NO. 7151

**P&E**



LAYOUT PLAN 6  
PEDESTRIAN LIGHTING DESIGN PROJECT  
CITY OF COCONUT CREEK  
100% CONSTRUCTION SET

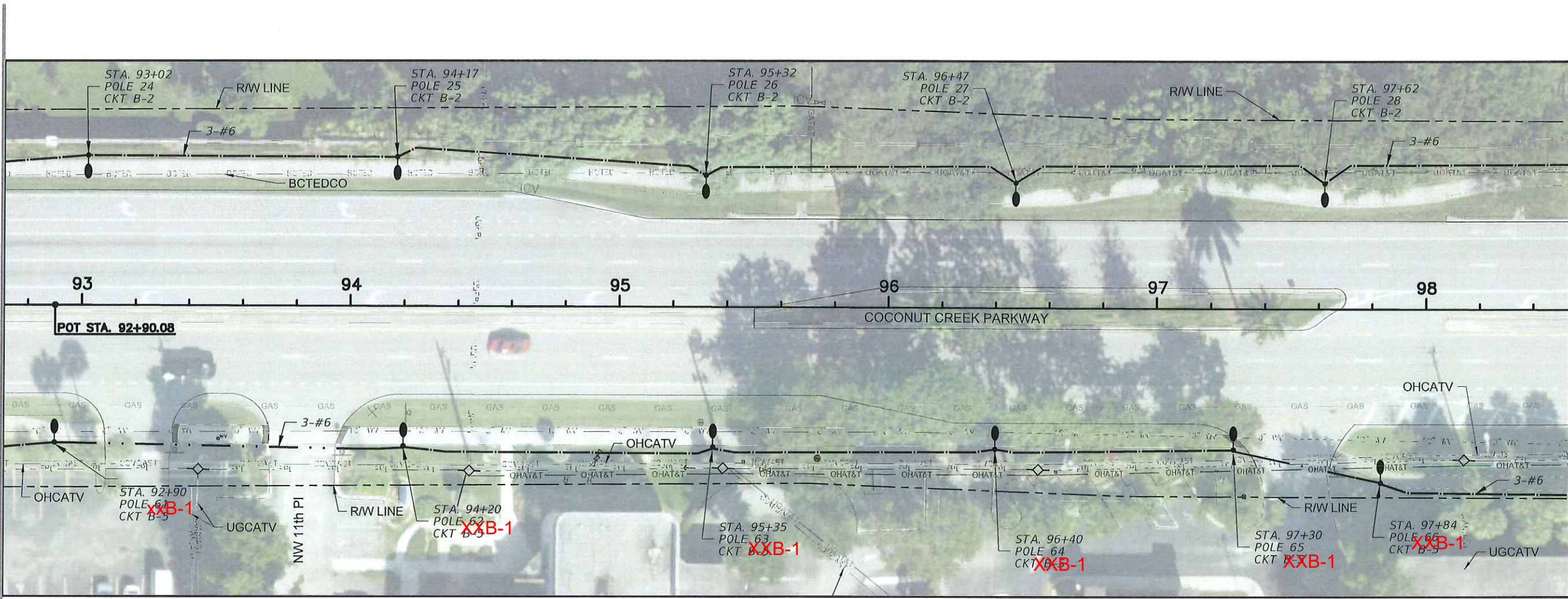
RJB Proj. No: 18024		
Date: AUGUST 09, 2018		
DESIGNER:	DRAWN:	CHECK:
RUDY	HRP	RUDY
REVISIONS:		

SHEET NAME:  
**E008**

F:\18091\COCONUT\_CREEK\_PEDESTRIAN\_LIGHTING\CD\LAYOUT PLAN\_1.dwg 21:49:19 by: JGRIZGARCIA

MATCH LINE - SEE DRAWING E008

MATCH LINE - SEE DRAWING E010



**PowerCore**  
**Communications As-Builts**  
 12-15-2020

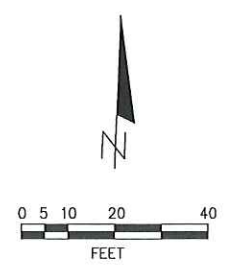
BROWARD COUNTY HIGHWAY CONSTRUCTION  
 AND ENGINEERING DIVISION

PLAN CONSISTENT  
 WITH PLAT REQUIREMENTS

PUBLIC RIGHT OF WAY APPROVAL  
 FOR PAVING, GRADING AND DRAINAGE

BY: Alex Pece DATE: 6/24/19

DOES NOT INCLUDE APPROVAL  
 OF PAVEMENT MARKINGS & SIGNS



CONSULTANT:  
 RODOLFO HOYOS  
 P.E. LICENSE NO. 47056

DATE:

*Rudy*  
 6-28-19

**R.J. Behar & Company, Inc.**  
 Engineers - Planners

8881 SW 198TH AVE., SUITE 302  
 DUNEDIN, FL 34626  
 PH: 954-890-7771, FAX: 954-480-7781  
 CERTIFICATE OF AUTHORIZATION NO. 00008895

RODOLFO HOYOS, P.E. NO. 47056  
 Progressive Design  
 & Engineering, Inc.  
 10891 La Reina Road  
 Boca Raton, FL 33446  
 Tel: 561-498-2304  
 Fax: 561-498-2305  
 CERTIFICATE OF AUTHORIZATION NO. 7151



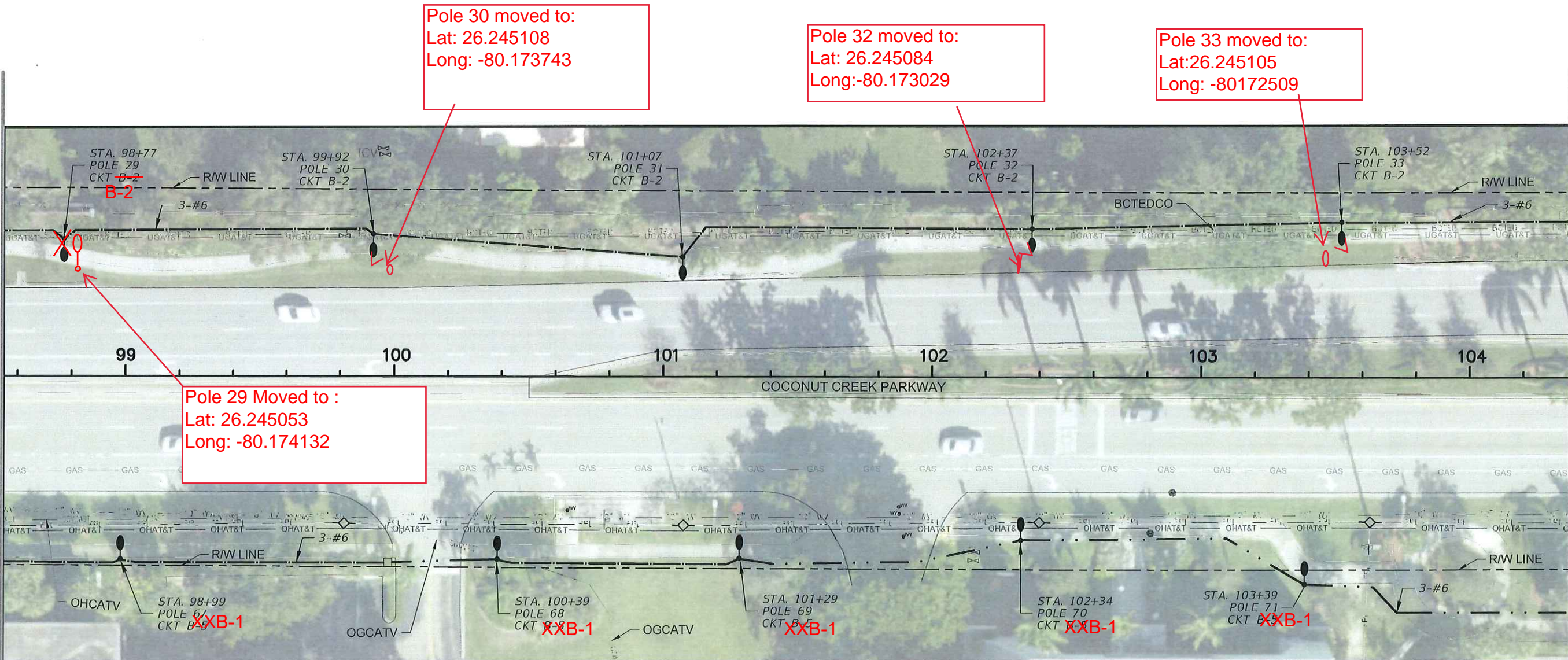
LAYOUT PLAN 7  
 PEDESTRIAN LIGHTING DESIGN PROJECT  
 CITY OF COCONUT CREEK  
 100% CONSTRUCTION SET

RJB Proj. No:	18024
Date:	AUGUST 09, 2018
DESIGN:	RUDY
DRAWN:	HRP
CHECK:	RUDY
REVISIONS:	

SHEET NAME:  
**E009**

MATCH LINE - SEE DRAWING E009

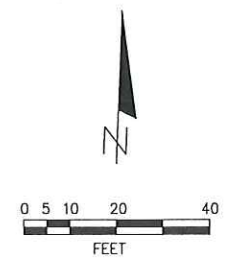
MATCH LINE - SEE DRAWING E011



PowerCore Communications  
Asbuilts  
12-15-2020

BROWARD COUNTY HIGHWAY CONSTRUCTION  
AND ENGINEERING DIVISION

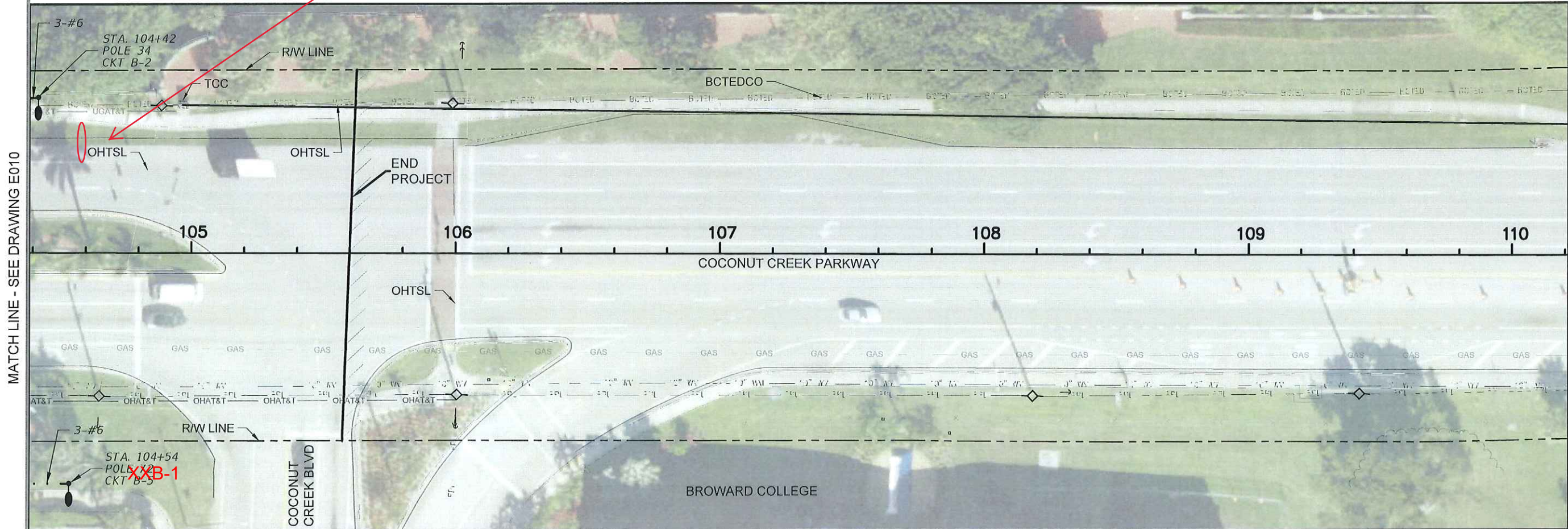
PLAN CONSISTENT WITH PLAT REQUIREMENTS  
 PUBLIC RIGHT OF WAY APPROVAL FOR PAVING, GRADING AND DRAINAGE  
BY: *Alex Peck* DATE: *6/26/19*  
DOES NOT INCLUDE APPROVAL OF PAVEMENT MARKINGS & SIGNS



CONSULTANT:  
RODOLFO HOYOS  
P.E. LICENSE NO. 47056  
DATE: *6-29-19*

F:\18024\COCONUT\_CREEK\_PEDESTRIAN\_LIGHTING\CONSTRUCTION\_LAYOUT\_PLAN\_LRI.DWG 27/14/19 BY: JRN/LZ/CARGA

Pole 24 moved to:  
Lat:26.245119  
Long: -80.172384



MATCH LINE - SEE DRAWING E010

PowerCore Communications  
As-Builts  
12-15-2020

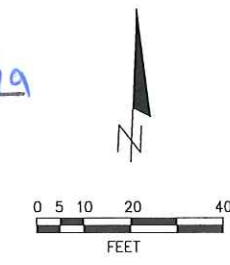
BROWARD COUNTY HIGHWAY CONSTRUCTION  
AND ENGINEERING DIVISION

PLAN CONSISTENT WITH PLAT REQUIREMENTS

PUBLIC RIGHT OF WAY APPROVAL FOR PAVING, GRADING AND DRAINAGE

BY: Alex Peon DATE: 6/26/19

DOES NOT INCLUDE APPROVAL OF PAVEMENT MARKINGS & SIGNS



CONSULTANT: Rodolfo Hoyos  
RODOLFO HOYOS  
P.E. LICENSE NO. 47056

DATE: 6-28-19

**R.J.Behar & Company, Inc.**  
Engineers & Planners

6881 S.W. 196TH AVE., SUITE 302  
PEMBROKE PINES, FL 33332  
PH: 954-980-7771, FAX: 954-980-7781  
CERTIFICATE OF AUTHORIZATION No. 00009365

RODOLFO HOYOS, P.E. NO. 47056  
Progressive Design & Engineering, Inc.  
13301 S. Rima Road  
Suite 100  
Deer Beach, FL 33446  
CERTIFICATE OF AUTHORIZATION NO. 7151



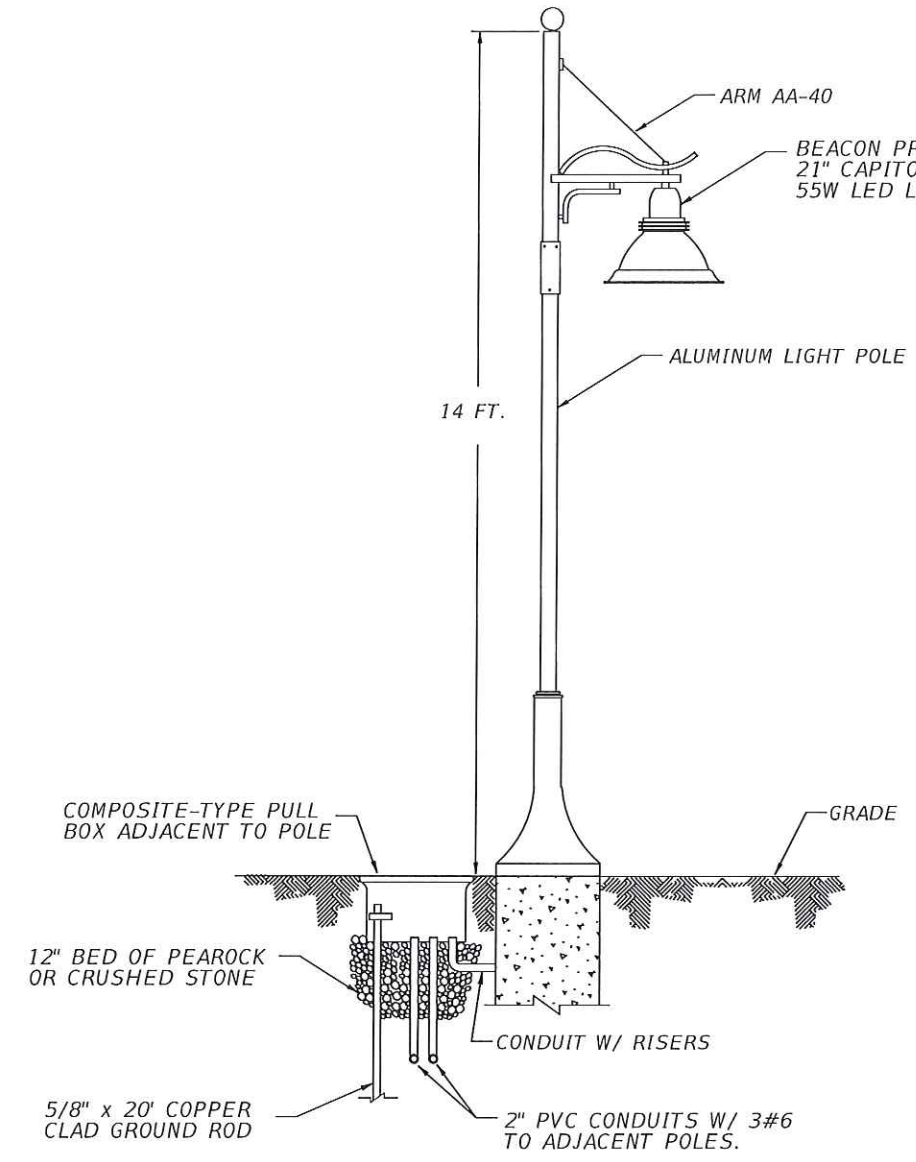
LAYOUT PLAN 9  
PEDESTRIAN LIGHTING DESIGN PROJECT  
CITY OF COCONUT CREEK  
100% CONSTRUCTION SET

RJB Proj. No:	18024
Date:	AUGUST 09, 2018
DESIGNER:	RUDY
DRAWN:	HRP
CHECK:	RUDY
REVISIONS:	

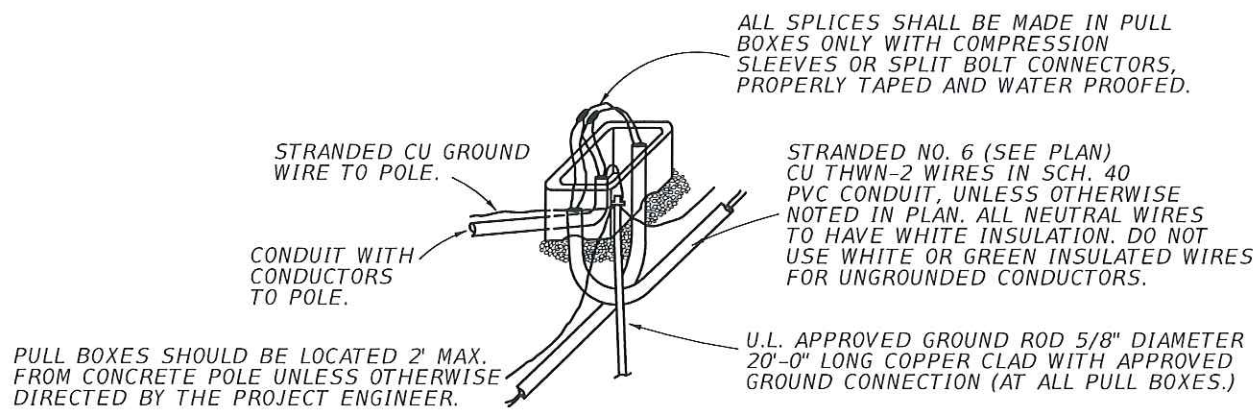
SHEET NAME:  
**E011**

F:\B24\COCONUT\_CREEK\PEDESTRIAN\_LIGHTING\LAYOUT PLAN 9.DWG 21/11/18 by JCR/ZA/GARCIA



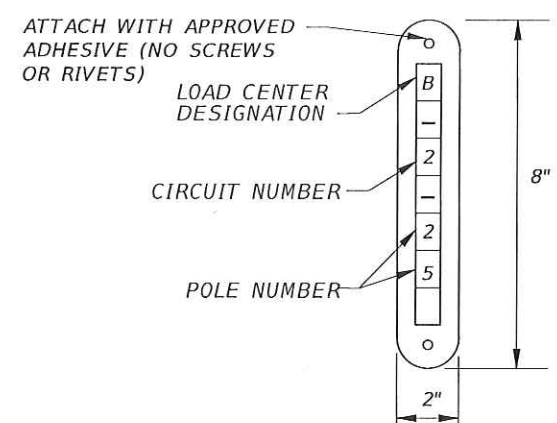


**LIGHT POLE DETAIL**  
 NOT TO SCALE

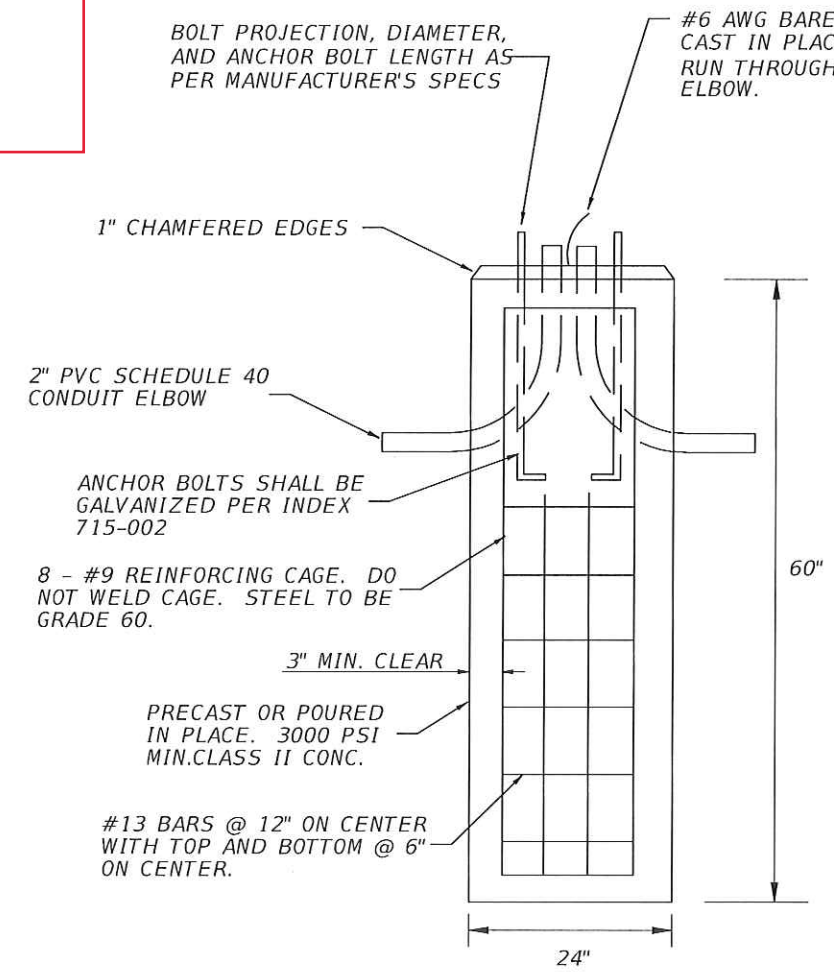


**PULL BOX DETAIL**  
 NOT TO SCALE

**Powercore Communciations**  
**As-Builts**  
**No changes this page**  
**12-15-2020**



**POLE IDENTIFICATION TAG (2"x8")**  
 NOT TO SCALE

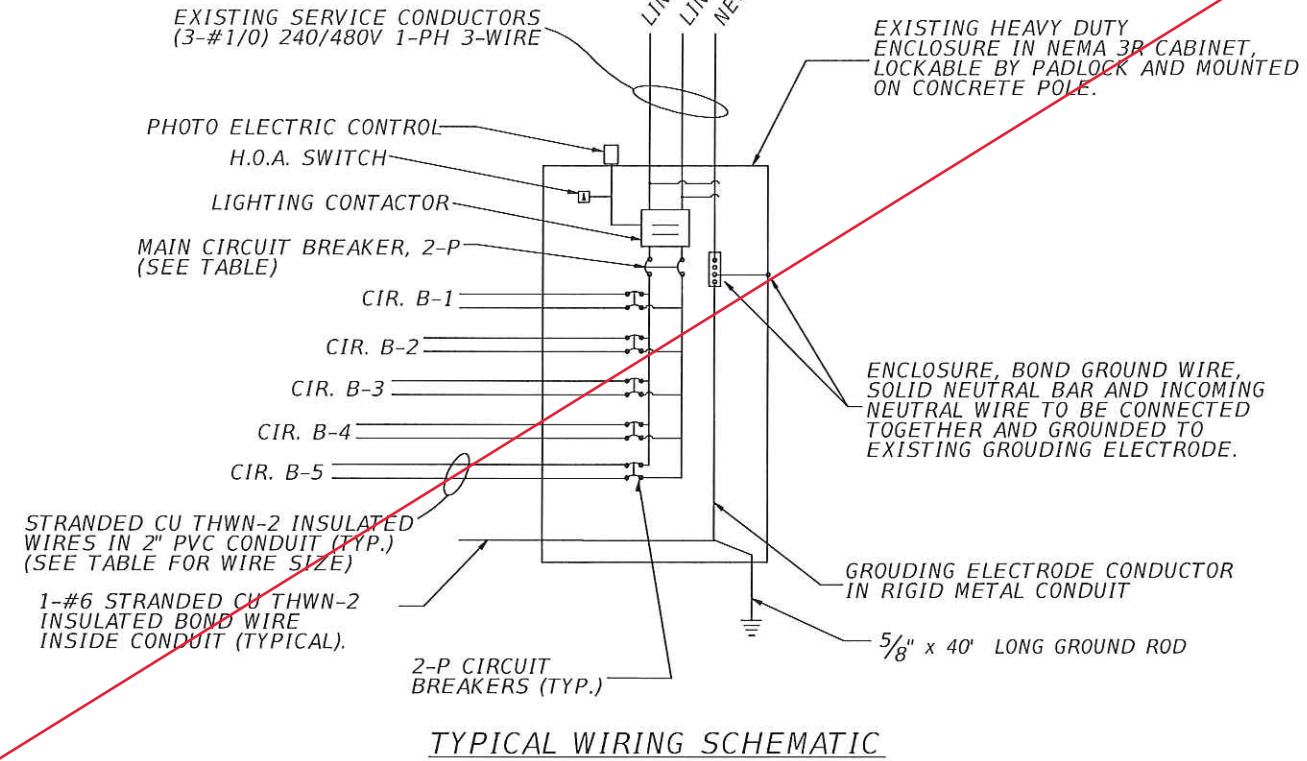
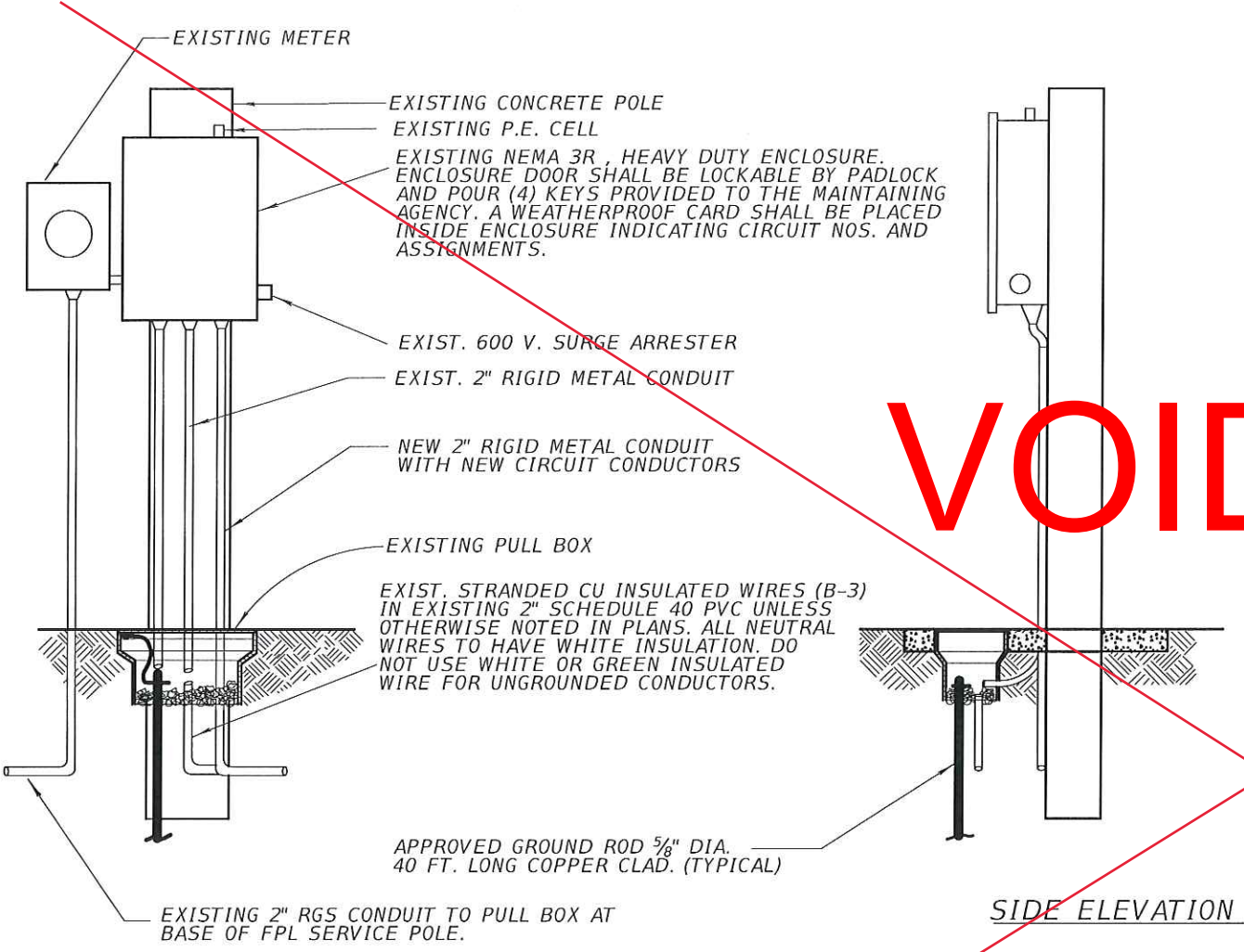


**FOUNDATION DETAIL**  
 NOT TO SCALE

CONSULTANT:  
 RODOLFO HOYOS  
 P.E. LICENSE NO. 47056

DATE:

F:\18024\_COCONUT\_CREEK\_PEDESTRIAN\_LIGHTING\DETAILS\DWG 214149 BY: JCRUZGARCIA



- NOTES:**
1. CIRCUIT BREAKERS FOR B-1 THRU B-4 ARE EXISTING, WITH ONLY B-3 BEING USED TO FEED EXISTING LIGHT POLES.
  2. PROVIDE NEW CIRCUIT BREAKER FOR B-5 PER TABLE BELOW.

LOAD CENTER	ENCLOSURE SIZE & SERVICE COND.	CIRCUIT	CONDUCTORS	BREAKER SIZE	MAIN BREAKER	MAINTAINING AGENCY
"B"	EXISTING	B-1	2- #6	40 A	100 A	CITY OF COCONUT CREEK
		B-2	2- #6	40 A		
		B-3	2- #6	40 A		
		B-4	2- #6	40 A		
		B-5	2- #6	30 A		

See Revised Electrical plans

Built per revised plans

PowerCore Communications

Asbuilts

12-15-2020

*Relays*  
4-29-19

CONSULTANT:  
RODOLFO HOYOS  
P.E. LICENSE NO. 47056

DATE:

**R.J.Behar & Company, Inc.**  
Engineers & Planners  
6851 S.W. 100TH AVE. SUITE 902  
MIAMI, FL 33156  
PH: 954-880-7771, FAX: 954-880-7781  
CERTIFICATE OF AUTHORIZATION No. 00008995

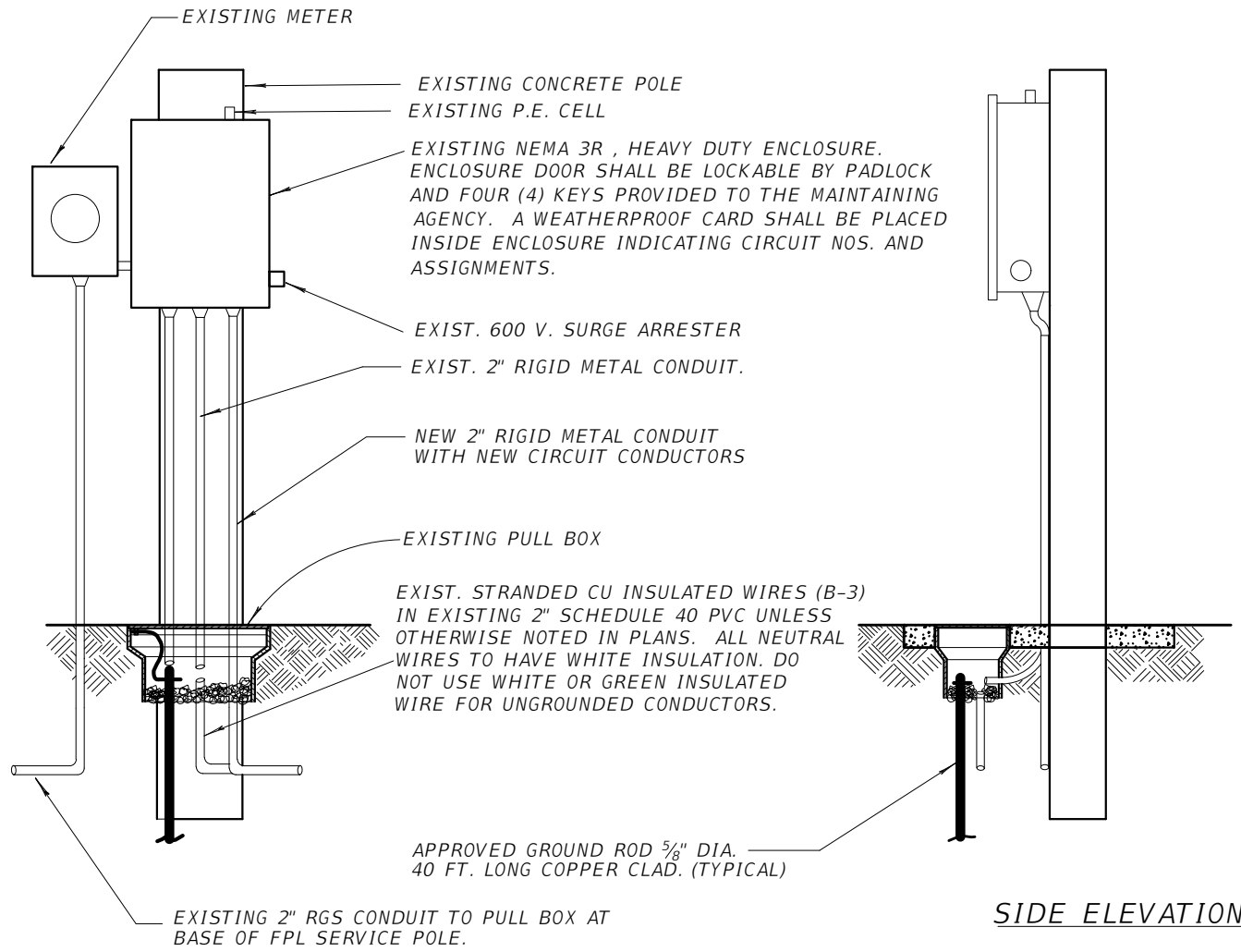
RODOLFO HOYOS, P.E. NO. 47056  
**Progressive Design & Engineering, Inc.**  
10991 La Reina Road  
Beverly Beach, FL 32446  
Tel 904-498-2304  
Fax 904-498-2305  
CERTIFICATE OF AUTHORIZATION NO. 7151



SERVICE POINT DETAIL  
PEDESTRIAN LIGHTING DESIGN PROJECT  
CITY OF COCONUT CREEK  
100% CONSTRUCTION SET

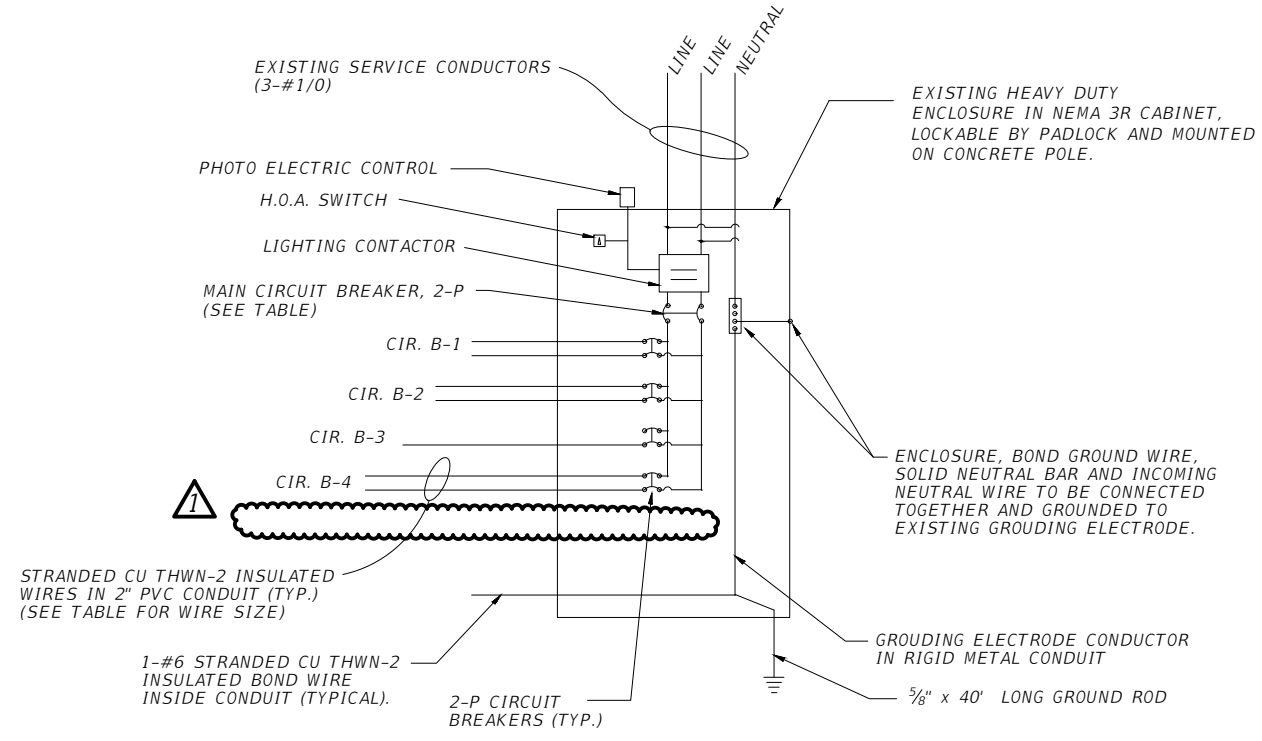
RJB Proj. No: 18024  
Date: AUGUST 09, 2018  
DESIGNER: RUDY  
DRAWN: HRP  
CHECKED: RUDY

SHEET NAME:  
**E013**



FRONT ELEVATION

SIDE ELEVATION



TYPICAL WIRING SCHEMATIC

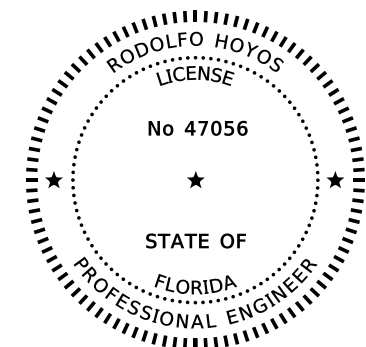
NOTES:

- 1. CIRCUIT BREAKERS FOR B-1 THRU B-4 ARE EXISTING, WITH ONLY B-3 BEING USED TO FEED EXITING LIGHT POLES.

LOAD CENTER	ENCLOSURE SIZE & SERVICE COND.	CIRCUIT	CONDUCTORS	BREAKER SIZE	MAIN BREAKER	MAINTAINING AGENCY
"B"	EXISTING	B-1	2- #6	40 A	100 A	CITY OF COCONUT CREEK
		B-2	2- #6	40 A		
		<del>B-3</del>	<del>2- #6</del>	<del>40 A</del>		
		<del>B-4</del>	<del>2- #6</del>	<del>40 A</del>		

1 = REMOVED BREAKER & CIRCUIT B-5 FROM SCHEMATIC AND TABLE, REMOVED NOTE 2.

PowerCore Communications  
AsBuilts  
12-15-2020



CONSULTANT:  
RODOLFO HOYOS  
P.E. LICENSE NO. 47056  
DATE:

**R.J.Behar & Company, Inc.**  
Engineers & Planners  
6861 S.W. 106TH AVE, SUITE 302  
MIAMI, FL 33156  
PH: 954-880-7771, FAX: 954-880-7781  
CERTIFICATE OF AUTHORIZATION NO. 00008365

RODOLFO HOYOS, P.E. NO. 47056  
**Progressive Design & Engineering, Inc.**  
10891 La Reina Road  
Delray Beach, FL 33446  
Tel: 561-498-2304  
Fax: 561-498-5395  
CERTIFICATE OF AUTHORIZATION NO. 7151



SERVICE POINT DETAIL  
PEDESTRIAN LIGHTING DESIGN PROJECT  
CITY OF COCONUT CREEK  
100% CONSTRUCTION SET

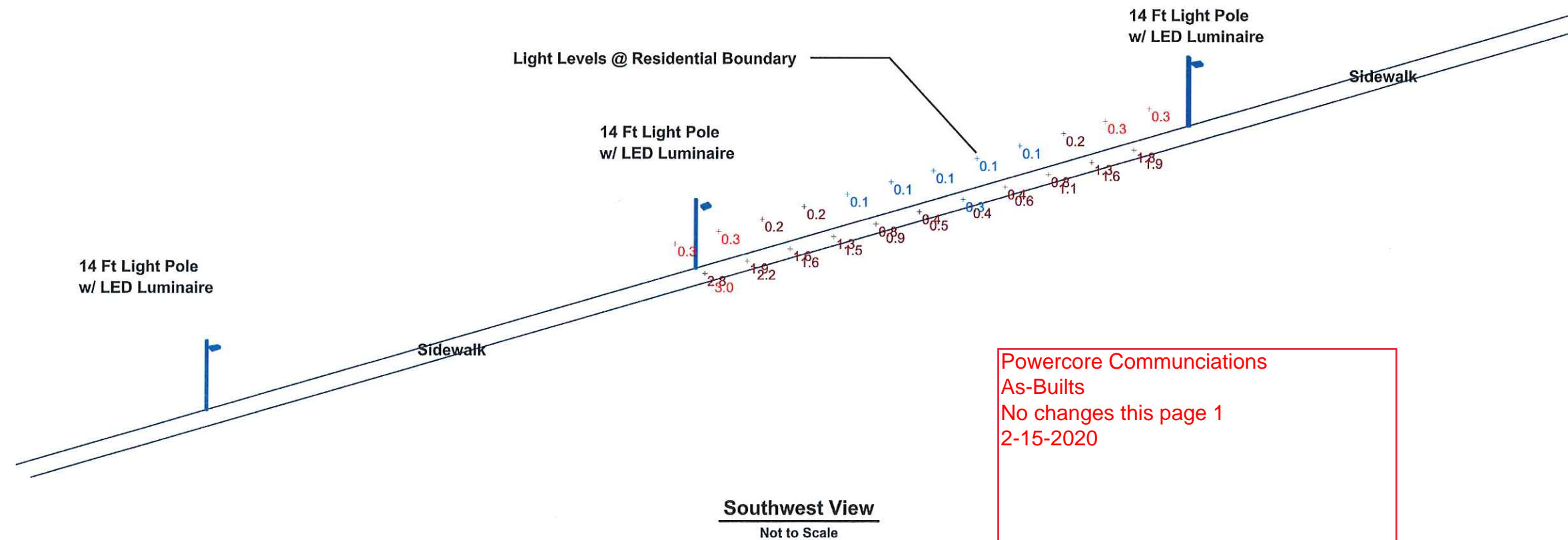
RJB Proj. No:	18024
Date:	AUGUST 09, 2018
DESIGN:	RUDY
DRAWN:	HRP
CHECK:	RUDY

REVISIONS:  
1 JUNE 22, 2020

SHEET NAME:  
**E013**

0:18024\_COCONUT\_CREEK\_PEDESTRIAN\_LIGHTING/006-SERVICE POINT DETAIL\_RJ.DWG 6/20/20 by HROSARIO

STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
LT Levels @ Residential	+	0.2 fc	0.3 fc	0.1 fc	4.0:1	2.0:1
Sidewalk LT Levels	+	1.2 fc	3.0 fc	0.3 fc	10.0:1	4.0:1



Powercore Communciations  
As-Builts  
No changes this page 1  
2-15-2020

**NOTES**

1. Photometric Plan is for typical light pole spacing. Design level are shown in Statistics table with Description as "Sidewalk LT Levels."
2. Light levels where a residential boundary exists are shown in Statistics table with Description "LT Levels @ Residential." Levels are shown for scenarios where a residential boundary exists behind poles, and the closest distance being at 6' from the back of sidewalk.

CONSULTANT:  
RODOLFO HOYOS  
P.E. LICENSE NO. 47056

DATE:



**R.J. Behar & Company, Inc.**  
Engineers + Planners

8880 S.W. 190TH AVE., SUITE 302  
DEER BEACH, FL 33446  
PH: 561-880-7771 FAX: 561-880-7781  
CERTIFICATE OF AUTHORIZATION No. 00008965

RODOLFO HOYOS, P.E. NO. 47056  
Progressive Design  
& Engineering, Inc.  
10891 La Reina Road  
Deer Beach, FL 33446  
Tel: 561-498-2304  
Fax: 561-498-2305  
CERTIFICATE OF AUTHORIZATION NO. 7151

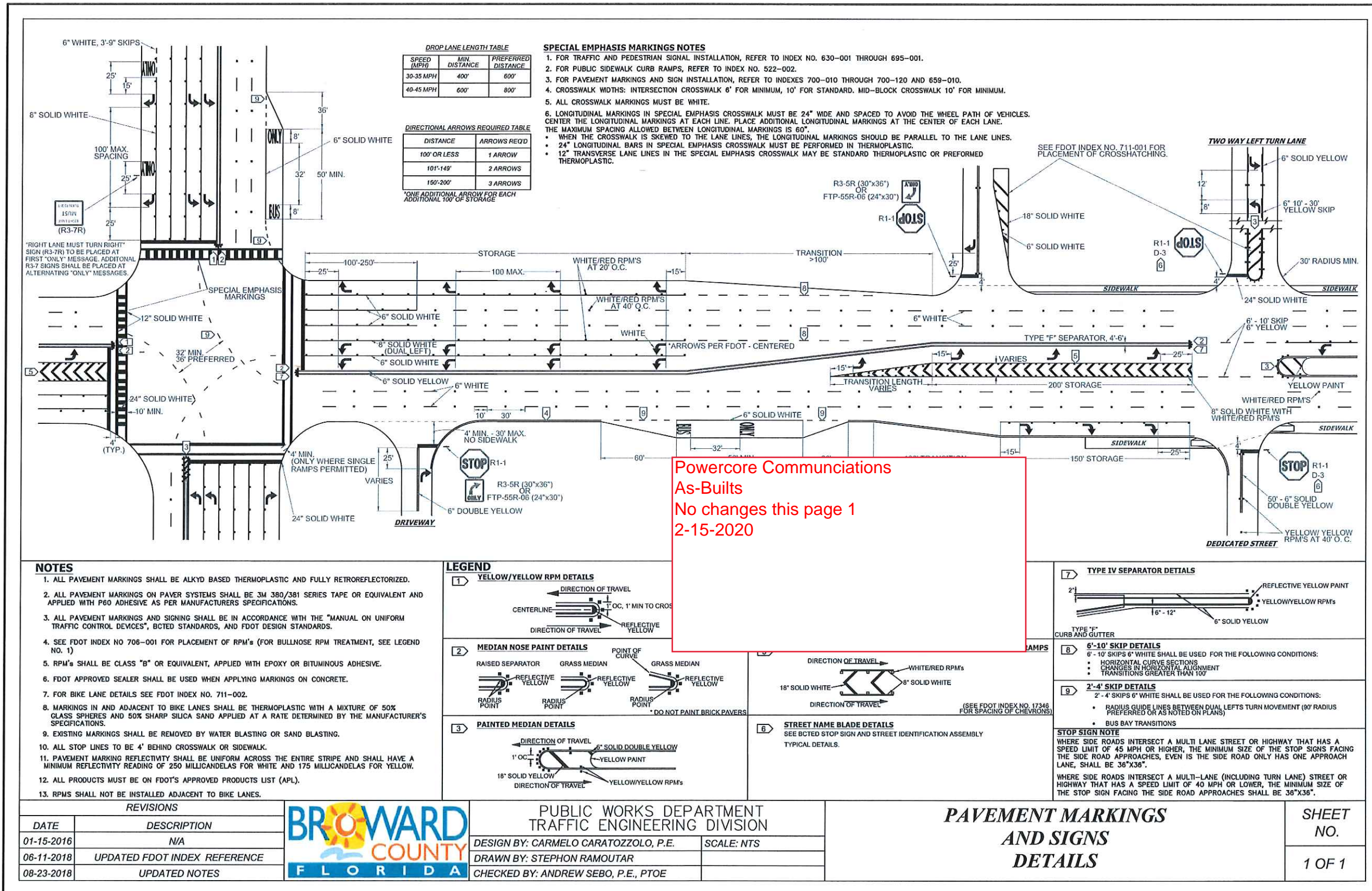


TYPICAL PHOTOMETRIC PLAN  
PEDESTRIAN LIGHTING DESIGN PROJECT  
CITY OF COCONUT CREEK  
100% CONSTRUCTION SET

RJB Proj. No:	18024
Date:	AUGUST 09, 2018
DESIGNER:	RUDY
DRAWN:	JC
CHECK:	HM
REVISIONS:	

SHEET NAME:  
**E014**

F:\18024 COCONUT\_CREEK PEDESTRIAN LIGHTING DESIGN SERVICE POINT SET\ALDING 271419 by JCRUZGARCIA



Powercore Communications  
As-Builts  
No changes this page 1  
2-15-2020

**REVISIONS**

DATE	DESCRIPTION
01-15-2016	N/A
06-11-2018	UPDATED FDOT INDEX REFERENCE
08-23-2018	UPDATED NOTES



PUBLIC WORKS DEPARTMENT  
TRAFFIC ENGINEERING DIVISION

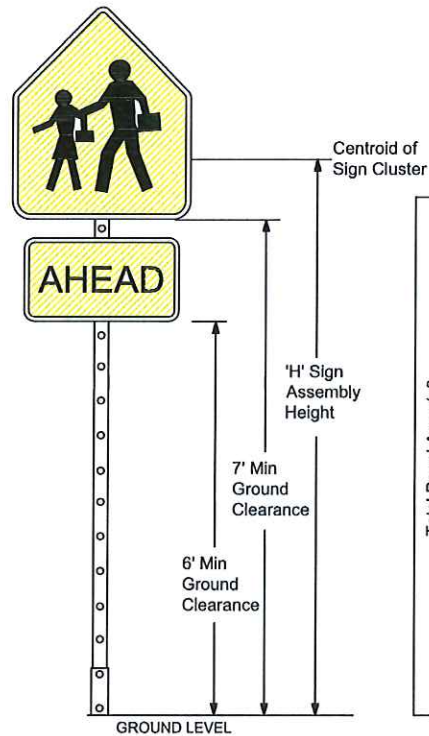
DESIGN BY: CARMELO CARATOZZOLO, P.E. SCALE: NTS  
DRAWN BY: STEPHON RAMOUTAR  
CHECKED BY: ANDREW SEBO, P.E., PTOE

**PAVEMENT MARKINGS  
AND SIGNS  
DETAILS**

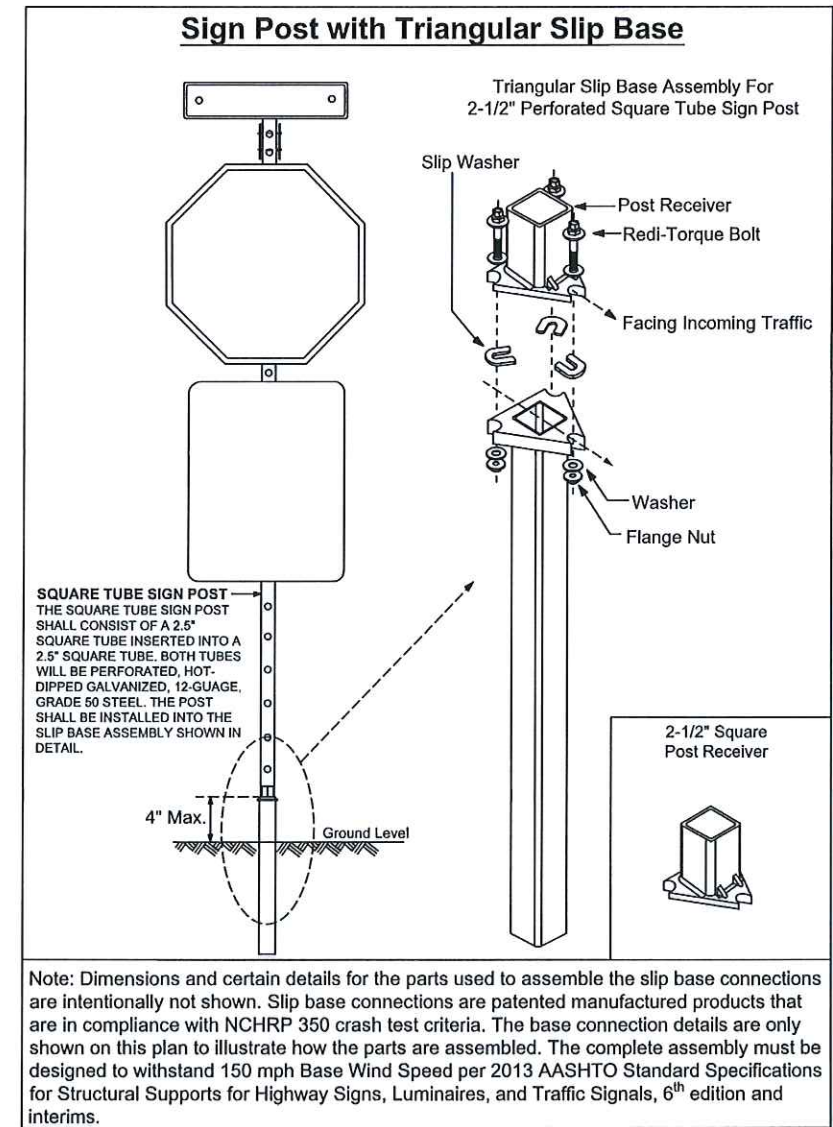
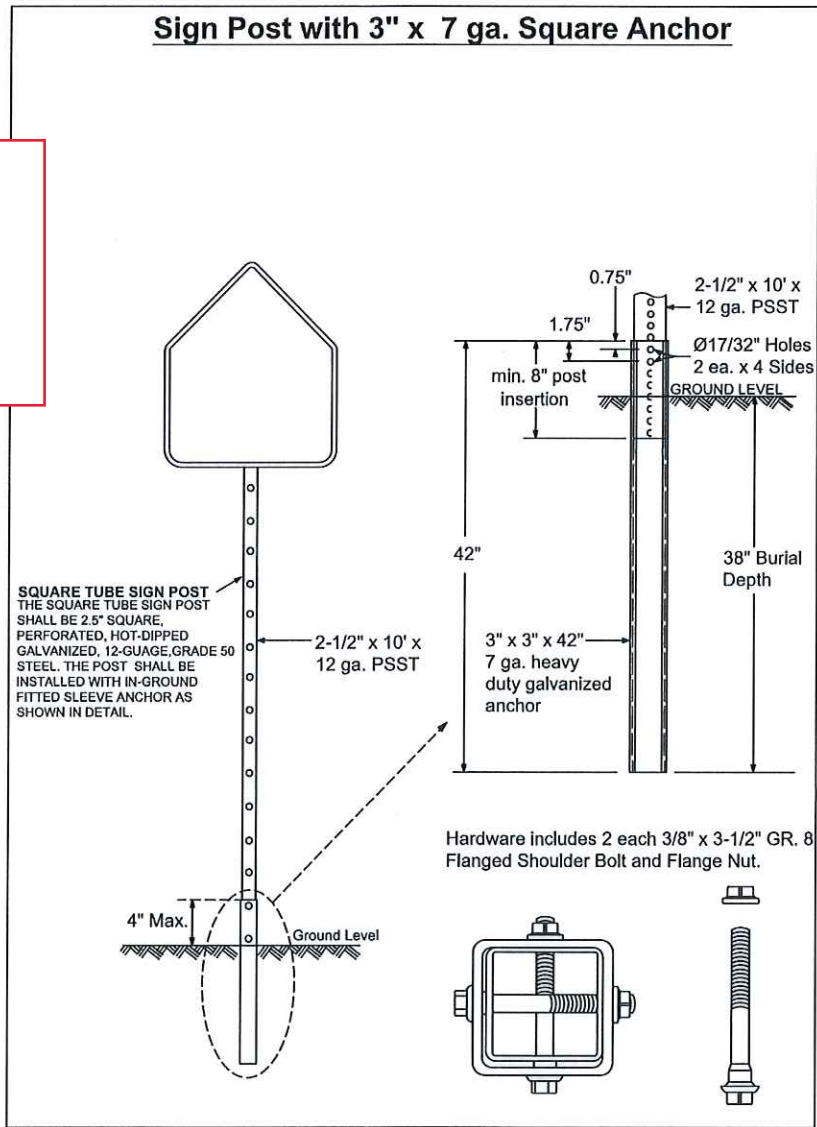
**SHEET  
NO.  
1 OF 1**

- GUIDE TO USE THIS STANDARD:**
1. Calculate the Total Panel Area and the centroid 'C' for an individual sign or a sign cluster.
  2. Determine the height 'H' from the groundline for the individual sign or the cluster.
  3. Consult the Post Size Table and find the intersection point.
  4. Design the post and the foundation according to the required Post Size and Assembly Details.

Powercore Communciations  
As-Builts  
No changes this page  
12-15-2020



Post Size Table	
Total Panel Area (sf)	'H' Sign Assembly Height (ft) (measure from ground)
	8    8.5    9    9.5    10
3	
4	
5	Sign Post with 3" x 7 ga. Square Anchor
6	
7	
8	
9	
10	
11	
12	
13	Sign Post with Triangular Slip Base Assembly
14	
15	
16	
17	
18	
19	Two Post Installation Required with Triangular Slip Base
20+	



Note: Dimensions and certain details for the parts used to assemble the slip base connections are intentionally not shown. Slip base connections are patented manufactured products that are in compliance with NCHRP 350 crash test criteria. The base connection details are only shown on this plan to illustrate how the parts are assembled. The complete assembly must be designed to withstand 150 mph Base Wind Speed per 2013 AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, 6<sup>th</sup> edition and interims.

REVISIONS	
DATE	DESCRIPTION
01-05-2016	N/A
03-21-2017	UPDATED POST SIZE



PUBLIC WORKS DEPARTMENT  
TRAFFIC ENGINEERING DIVISION

DESIGN BY: YVES D'ANJOU, P.E.      SCALE: NTS  
DRAWN BY: STEPHON RAMOUTAR  
CHECKED BY: ANDREW SEBO, P.E., PTOE

## GROUND SIGN ASSEMBLY DETAILS

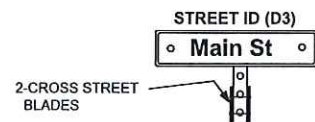
SHEET  
NO.  
  
1 OF 1

FOR SIGN ASSEMBLIES WITH MAXIMUM 8.75 SQUARE FOOT PANEL AREA

FOR SIGN ASSEMBLIES WITH GREATER THAN 8.75 SQUARE FOOT PANEL AREA WITH SUPPLEMENTAL SIGN

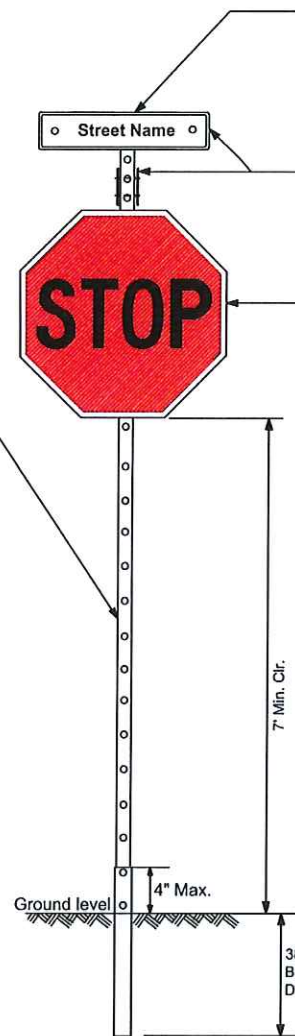
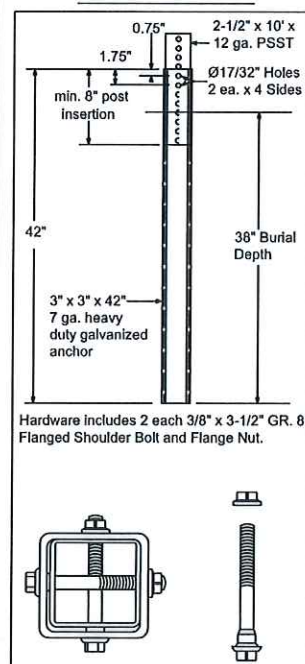
Typical Details

Typical Details



**SQUARE TUBE SIGN POST**  
The Square Tube Sign Post shall be 2.5" square, perforated, hot-dipped galvanized, 12-gauge, grade 50 steel. The post shall be installed with in-ground fitted sleeve anchor as shown in detail "A" below.

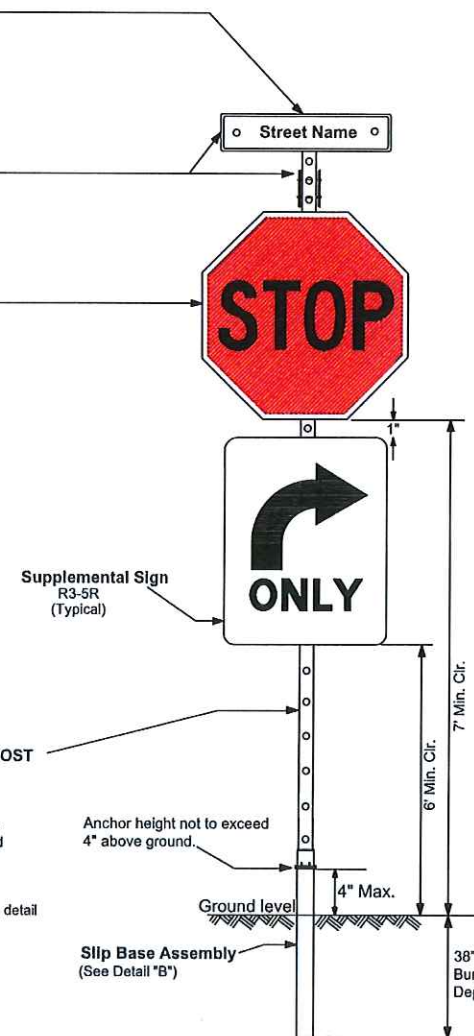
**DETAIL "A"**



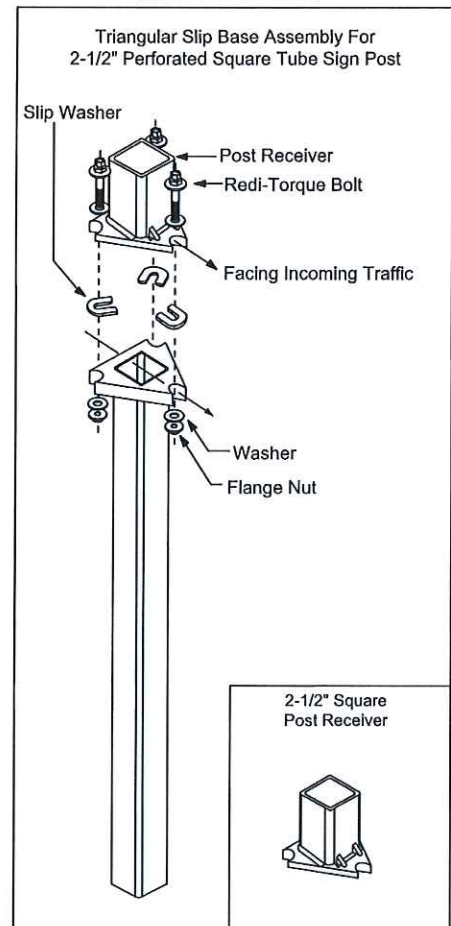
**STREET ID MATERIALS:**  
**BORDER AND LETTERS**  
SILVER DIAMOND GRADE TYPE XI SHEETING  
LETTERING OF STREET NAME SIGNS SHALL BE COMPOSED OF A COMBINATION OF LOWERCASE LETTERS WITH INITIAL UPPERCASE LETTERS  
**GREEN BACKGROUND**  
GREEN TRANSLUCENT INK SILK-SCREENED CLEAR-COATED OR ELECTRO-CUT (EC) FILM 1177 GREEN OR EQUIVALENT  
**SIZE**  
SEE MUTCD TABLE 2D-2 (PG 163) FOR MINIMUM LETTER HEIGHTS LENGTH VARIES BY STREET NAME  
**HARDWARE**  
#18 THREADED STEEL ZINC BOLTS, GRADE 5, 5/16" X 3/4", W/NYLON WASHERS.  
**REGULATORY SIGN**  
R1-1 DEPICTED. THE TOP OF THE STOP SIGN SHALL BE MOUNTED FLUSH TO THE TOP OF THE POST WHEN NO STREET ID IS PRESENT. ANY SIGN INSTALLED BACK TO BACK WITH THE STOP SIGN SHALL BE SMALLER THAN THE STOP SIGN.  
**STOP, DO NOT ENTER OR YIELD**  
WHITE DIAMOND-GRADE, TYPE XI SHEETING PRESSURE-SENSITIVE RED TRANSLUCENT INK SILK-SCREENED CLEAR-COATED OR EC FILM 1172 RED OR EQUIVALENT OVER DIAMOND GRADE.  
**NOTE:** ALL TYPE XI SHEETING UTILIZED MUST BE ON THE FDOT APL LIST.

Powercore Communications  
As-Builts  
No changes this page  
12-15-2020

**SQUARE TUBE SIGN POST**  
The Square Tube Sign Post shall consist of a 2.5" square tube inserted into a 2.5" square tube. Both tubes will be perforated, hot-dipped



**DETAIL "B"**



details for the parts used to assemble the slip base connections are intentionally not shown as they are patented manufactured products that are in compliance with NCHRP 350 crash test requirements. Connection details are only shown on this plan to illustrate how the parts are assembled. The slip base assembly must be designed to withstand 150 mph Base Wind Speed per 2013 AASHTO Standard Specifications for Highway Signs, Luminaires, and Traffic Signals, 6th edition and Interims.

2. For standard ground sign installation, see detail entitled "Ground Sign Assembly Details".

REVISIONS	
DATE	DESCRIPTION
06-07-2016	N/A
03-21-2017	UPDATED POST SIZE



**PUBLIC WORKS DEPARTMENT  
TRAFFIC ENGINEERING DIVISION**  
DESIGN BY: CARMELO CARATTOZZOLO, P.E. SCALE: NTS  
DRAWN BY: STEPHON RAMOUTAR  
CHECKED BY: ANDREW SEBO, P.E., PTOE

**STOP SIGN AND STREET IDENTIFICATION ASSEMBLY  
TYPICAL DETAILS**

SHEET NO.  
1 OF 1