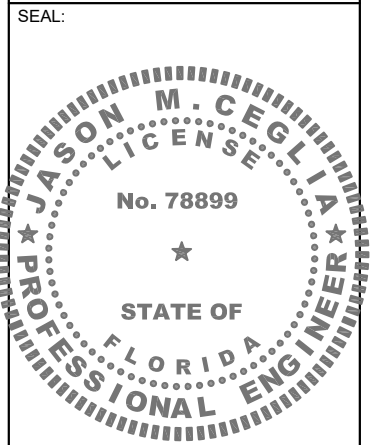


**NODE ID: FL6472BA**  
**PROJECT NO: 48861990**  
**NODE SCU: 464668**  
**NEAR ADDRESS: 600 ALTON ROAD**  
**MIAMI BEACH, FL 33139**  
**LATITUDE: 25.775920    LONGITUDE: -80.140915**

CLIENT:  
**CROWN CASTLE**  
 3470 NW 82nd AVENUE  
 10th FLOOR  
 DORAL, FL 33122

PROJECT:  
**SITE ID: FL6472BA**  
 SCU: 464668  
 600 ALTON ROAD  
 MIAMI BEACH, FL 33139  
 MIAMI-DADE COUNTY



CONSULTANT:  
**Stantec**  
 Two South University Drive, Suite 245,  
 Plantation, FL 33324  
 Tel: 954.577.4655  
 www.stantec.com

REV	DATE	DESCRIPTION
A	05/19/25	PRELIM CDs
0	06/23/25	ISSUED FOR PERMIT

SHEET TITLE:  
**COVER SHEET**

PROJECT NUMBER:  
 280570003

DRAWN BY: SJ    CHECKED BY: RL

APPROVED BY: SBC    DATE: 05/18/25

ISSUE No.: 0    SHEET NUMBER: T-1

SCALE IS BASE ON 11" X 17" D" SIZE

**SITE INFORMATION**

POLE OWNER: CROWN CASTLE FIBER LLC  
 3470 NW 82nd AVENUE,  
 10th FLOOR,  
 DORAL, FL 33122

ROW JURISDICTION(S): CITY OF MIAMI BEACH & FDOT

ELECTRICAL JURISDICTION: CITY OF MIAMI BEACH

NEAR PARCEL ID: 02-4203-001-0100

UTILITY COMPANY: FLORIDA POWER & LIGHT  
 700 UNIVERSITY BOULEVARD  
 JUNO BEACH, FL 33408

STRUCTURE TYPE:  WOOD  METAL  CONCRETE  STEALTH

**APPLICANT INFORMATION**

APPLICANT: CROWN CASTLE FIBER LLC  
 3470 NW 82nd AVENUE  
 10th FLOOR  
 DORAL, FL 33122

PROJECT MANAGER: RASHONDA HACKSHAW  
 9250 WEST FLAGLER STREET  
 5th FLOOR  
 MIAMI, FL 33174  
 (786) 610-7045

**SCOPE OF WORK**

1. INSTALLATION OF (1) INTEGRATED STEALTH POLE
2. INSTALLATION OF (1) OMNI ANTENNA
3. INSTALLATION OF (2) GROUNDING RODS WITH INSPECTION SLEEVES
4. INSTALLATION OF (4) UTILITY COMPANY HANDHOLE
5. INSTALLATION OF (3) CROWN CASTLE HANDHOLE
6. INSTALLATION OF 498± OF DIRECTIONAL BORE
7. INSTALLATION OF 104± OF OPEN-CUT TRENCH

**INDEX OF DRAWINGS**

SHEET	DESCRIPTION	REV
T-1	COVER SHEET	0
T-2	UTILITY CONTACTS AND PROJECT SCHEDULE	0
T-3	NOTES	0
T-4	NOTES	0
T-5	NOTES	0
C-1	SITE PLAN	0
C-2.0 TO C-2.1	ENLARGED PLANS	0
C-3	POLE ELEVATION AND DETAILS	0
C-4.0	EXISTING UTILITIES AND UNDERGROUND PLANS (POWER RUN)	0
C-4.1	EXISTING UTILITIES AND UNDERGROUND PLANS (POWER RUN)	0
C-4.2	EXISTING UTILITIES AND UNDERGROUND PLANS (POWER RUN)	0
C-4.3	EXISTING UTILITIES AND UNDERGROUND PLANS (FIBER RUN)	0
C-5	ANTENNA AND EQUIPMENT DETAILS	0
C-6	CONSTRUCTION DETAILS	0
C-7	DETAILS	0
E-1	POWER ROUTING PLAN	0
E-2	ELECTRICAL DETAILS	0
E-3	ELECTRICAL EQUIPMENT AND ATTACHMENT DETAILS	0
E-4	GROUNDING DETAILS	0
E-5	ELECTRICAL NOTES	0
E-6	ELECTRICAL NOTES	0

**CODE COMPLIANCE**

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. 8TH EDITION, 2023 FLORIDA BUILDING CODE
2. NATIONAL ELECTRIC CODE (NEC) WITH LOCAL AMENDMENTS LATEST ED.
3. ANSITIA/EIA APPLICABLE STANDARDS
4. LIFE SAFETY CODE NFPA-101-2021
5. 8TH EDITION, FLORIDA FIRE PREVENTION CODE 2023
6. AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATIONS (AISC)
7. UNDERWRITERS LABORATORIES (U.L.) APPROVED ELECTRICAL PRODUCTS
8. LOCAL BUILDING CODE
9. CITY/COUNTY ORDINANCES

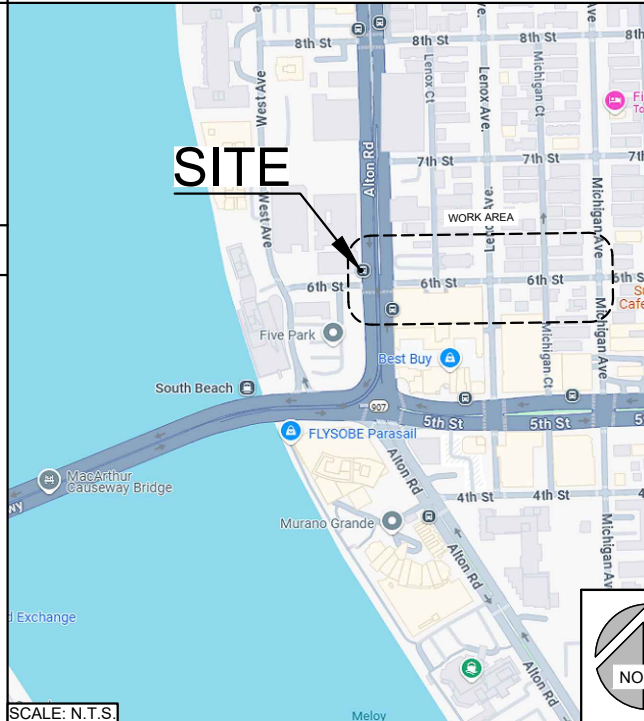
**ENGINEERING**

PROFESSIONALS OF RECORD:

ROBERT JERRY LARA  
 REGISTERED ARCHITECT  
 FL LIC. # 92824  
 STANTEC  
 PHONE: (954) 577-4663  
 robert.lara@stantec.com

JASON M. CEGLIA  
 REGISTERED PROFESSIONAL ENGINEER  
 FL LIC. # 78899  
 STANTEC  
 PHONE: (954) 577-4672  
 jason.ceglia@stantec.com

**VICINITY MAP**

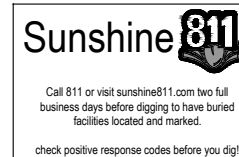


**LOCAL MAP**



SCALE: N.T.S.

SCALE: N.T.S.



CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND PLAN DIMENSIONS PRIOR TO CONDUCTING UNDERGROUND WORK. CONTRACTOR SHALL NOTIFY EOR IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THIS INSTALLATION.

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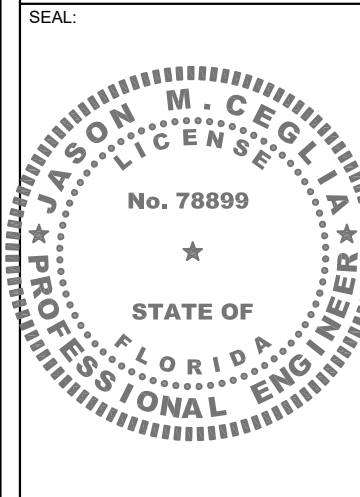












REV	DATE	DESCRIPTION
A	05/19/25	PRELIM CDs
0	06/23/25	ISSUED FOR PERMIT

SHEET TITLE:  
**POLE ELEVATION AND DETAILS**

PROJECT NUMBER:  
280570003

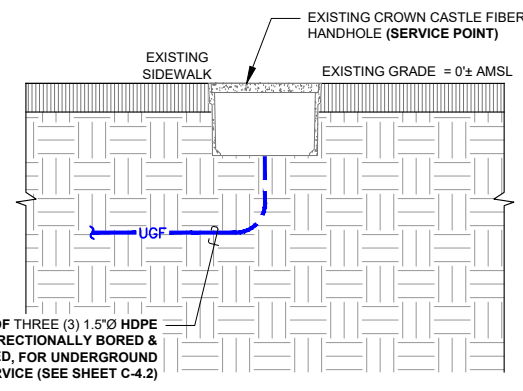
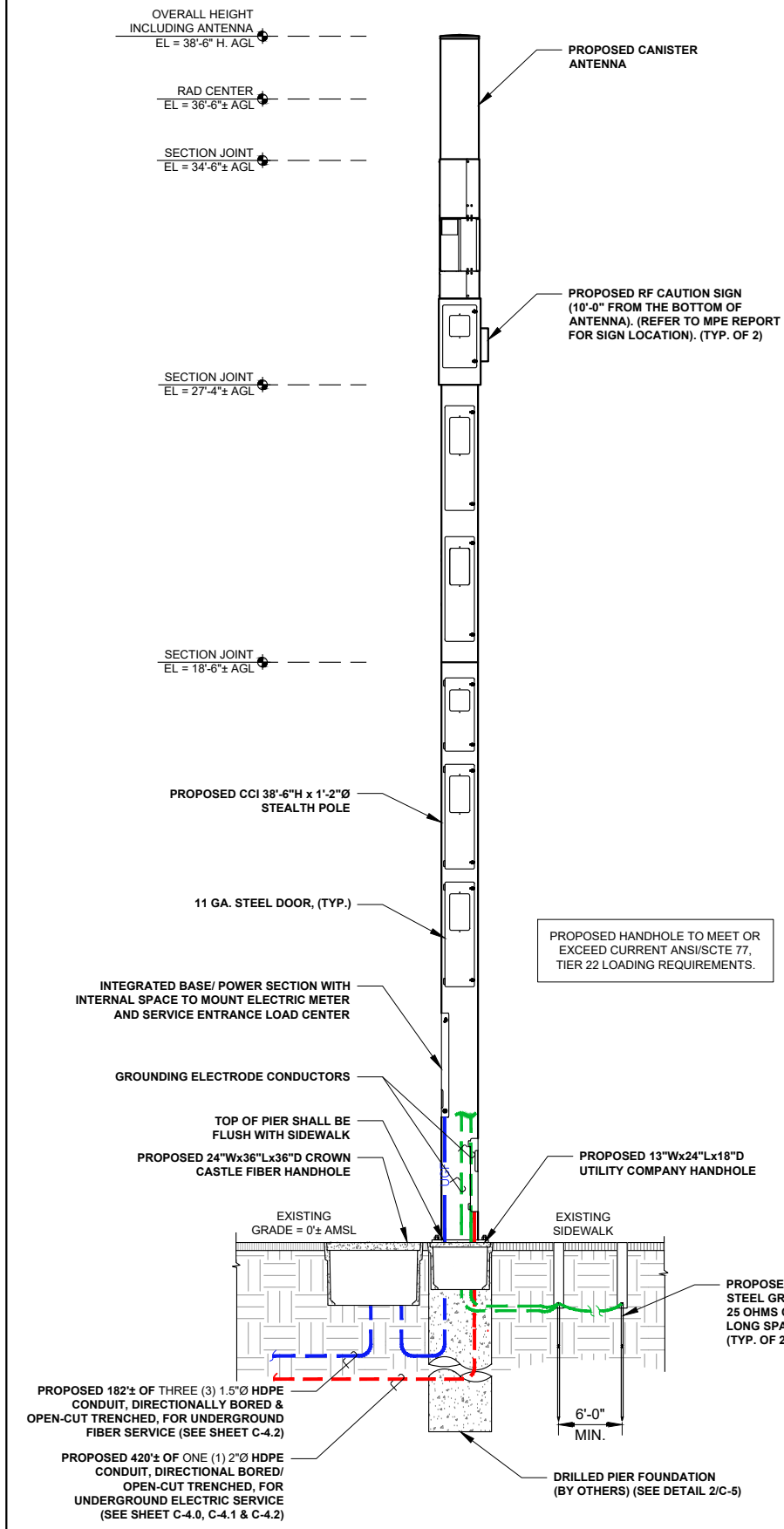
DRAWN BY: SJ	CHECKED BY: RL
APPROVED BY: SBC	DATE: 05/18/25
ISSUE No.: 0	SHEET NUMBER: C-3

- NOTES:
- ALL PROPOSED WORK TO BE PERFORMED PER LATEST CROWN CASTLE STANDARDS AND SPECIFICATIONS.
  - CONTRACTOR SHALL MAINTAIN UNINTERRUPTED ACCESS TO ALL DRIVEWAYS, SIDE STREETS AND WALKWAYS AT ALL TIMES UNLESS OTHERWISE PERMITTED.
  - CONTRACTOR MUST PROTECT ALL STORM SEWER SYSTEMS AS REQUIRED. FIELD VERIFICATION FOR LOCATION AND DEPTH OF EXISTING STORM SEWER SYSTEMS IS REQUIRED TO AVOID THE PENETRATION AND CROSS THRU OF ANY EXISTING STORM SEWER SYSTEM.
  - CONTRACTOR SHALL RESTORE AND REPAIR ANY DAMAGED AREAS CAUSED BY CONSTRUCTION TO ORIGINAL OR BETTER CONDITION INCLUDING BUT NOT LIMITED TO, LANDSCAPING, SOD, PAVING, SIDEWALK REPAIR AND OR FENCE REPAIR, AND ASSURE COMPLIANCE WITH ADA REQUIREMENTS.
  - UNDERGROUND UTILITIES HAVE NOT BEEN FIELD LOCATED. CONTRACTOR TO IDENTIFY, LOCATE AND PROTECT EXISTING UNDERGROUND UTILITIES DURING CONSTRUCTION.
  - TRAFFIC SIGNALS AND SIGNS DIVISION (TSS) COORDINATION IS REQUIRED.
  - ALL DAMAGED SIDEWALKS SHALL BE REPLACED. REPLACE COMPLETE CONCRETE FLAGS, FROM JOINT TO JOINT. NO PATCHING IS PERMITTED. SIDEWALKS TO BE INSTALLED IN COMPLIANCE WITH PUBLIC WORKS MANUAL.
  - EXISTING SIDEWALK IMMEDIATELY ADJACENT TO THE AFFECTED SIDEWALK(S) MUST BE ADA COMPLIANT. OTHERWISE FULL REPLACEMENT IS REQUIRED.
  - MINIMUM SIDEWALK CLEAR PEDESTRIAN ACCESS ROUTE (PAR) IS 48" WIDE.
  - ALL LIDS SURFACES ON THE SIDEWALK MUST BE FLUSH AND ADA COMPLIANT.

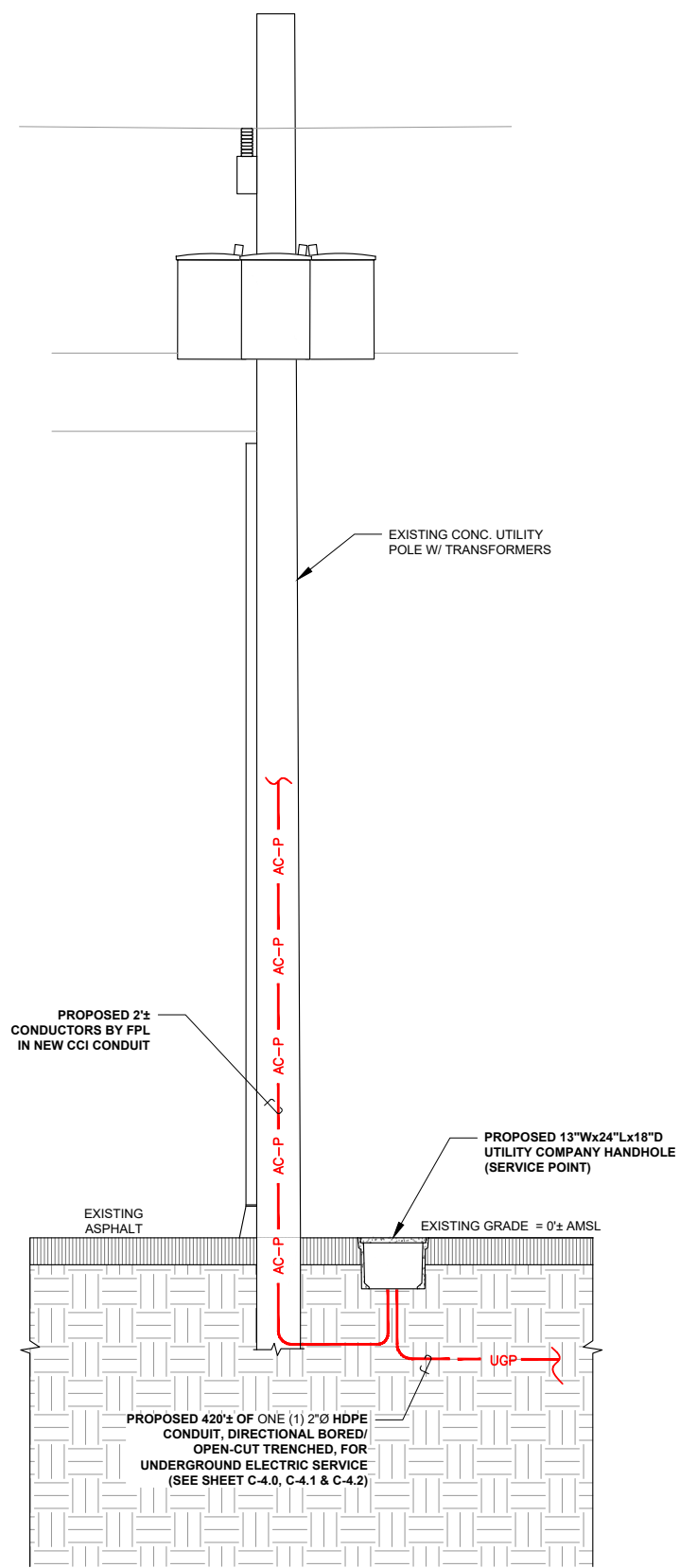
NOTE:  
 NO WORK SHALL COMMENCE WITHOUT THE APPROVED UTILITY POLE STRUCTURAL ANALYSIS REPORT SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER UNDER SEPARATE COVER.

LEGEND

— RW —	(E) RIGHT-OF-WAY
— EOP —	(E) EDGE OF PAVEMENT
— CL —	(E) CENTERLINE OF ROAD
— X —	(E) EXISTING FENCE
— ACP —	(P) AC POWER
— DCP —	(P) DC POWER
— G —	(P) GROUND
— UGF —	(P) UNDERGROUND (FIBER)
— UGP —	(P) UNDERGROUND (POWER)



SOURCE FIBER (FACING SOUTH)

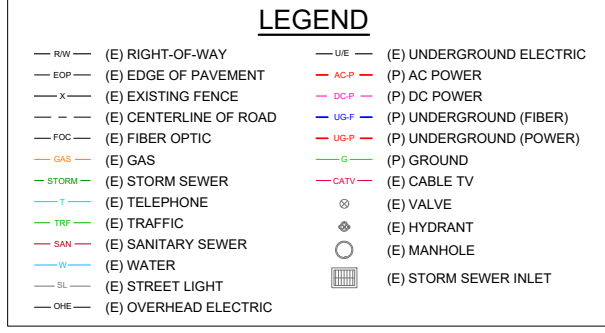


SOURCE POWER (FACING WEST)

SMALL CELL UTILITY POLE (FACING WEST) 1



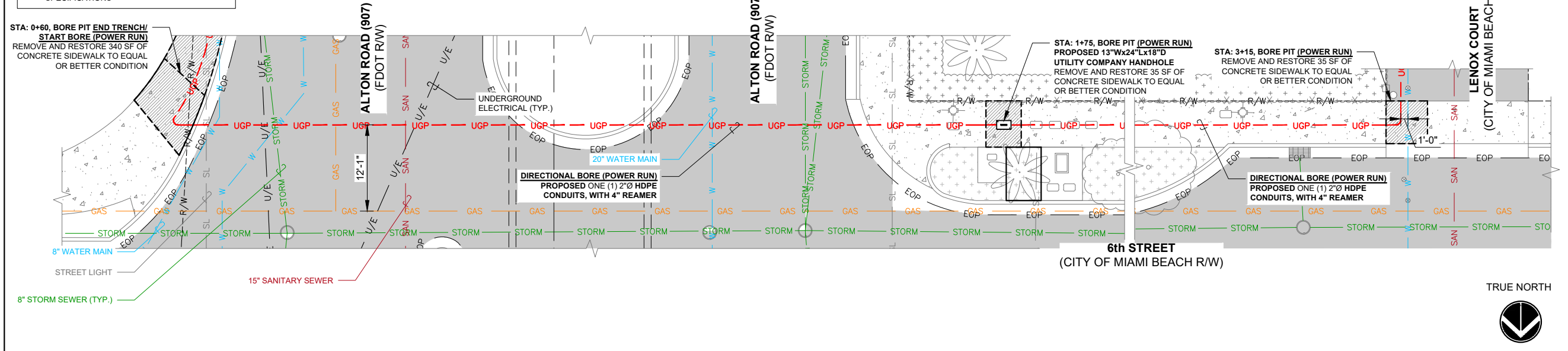
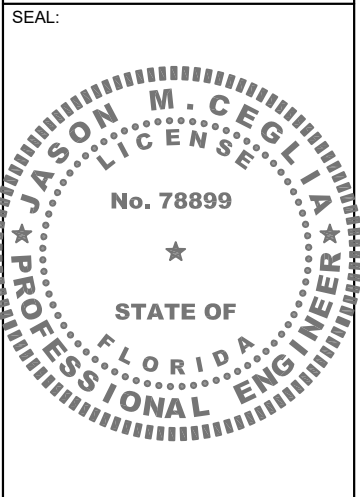
- UNDERGROUND CONSTRUCTION NOTES:**
- CONTRACTOR SHALL NOT COMMENCE BORING OPERATIONS UNTIL THE LOCATION(S) OF ALL UNDERGROUND UTILITIES WITHIN THE WORK AREA HAVE BEEN VERIFIED
  - CONTRACTOR TO VERIFY ALL MEASUREMENTS AND DISTANCES
  - MAINTAIN A MINIMUM BENDING RADIUS OF 5' ON ALL DUCT CONFIGURATIONS
  - CONTRACTOR SHALL RESTORE AND REPAIR ANY DAMAGED AREAS CAUSED BY CONSTRUCTION TO ORIGINAL OR BETTER CONDITION
  - ALL PROPOSED WORK TO BE PERFORMED PER LATEST CROWN CASTLE STANDARDS & SPECIFICATIONS



**UTILITY NOTE:**  
EXISTING UTILITIES SHOWN ARE APPROXIMATE, BASED ON OWNER PROVIDED UTILITY MAPS, EXISTING MARKINGS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES AND MAY NOT BE ALL INCLUSIVE. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF ALL EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORK ZONE.

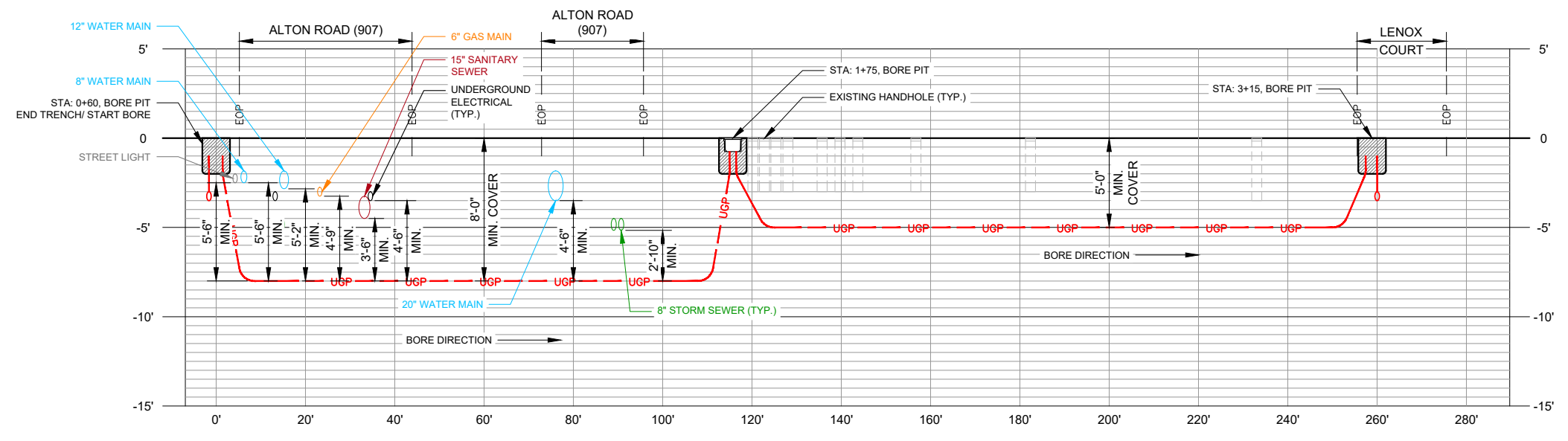
CLIENT:  
**CROWN CASTLE**  
3470 NW 82nd AVENUE  
10th FLOOR  
DORAL, FL 33122

PROJECT:  
**SITE ID: FL6472BA**  
SCU: 464668  
600 ALTON ROAD  
MIAMI BEACH, FL 33139  
MIAMI-DADE COUNTY



SCALE: 1"=8'-0" EXISTING UTILITIES AND BORE PLAN 1

**NOTE:**  
ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88)



SCALE: AS SHOWN 6th STREET - BORE PROFILE 2

CONSULTANT:  
**Stantec**  
Two South University Drive, Suite 245,  
Plantation, FL 33324  
Tel: 954.577.4655  
www.stantec.com

REV	DATE	DESCRIPTION
A	05/19/25	PRELIM CDs
0	06/23/25	ISSUED FOR PERMIT

SHEET TITLE:  
**EXISTING UTILITIES AND UNDERGROUND PLAN (POWER RUN)**

PROJECT NUMBER: 280570003	
DRAWN BY: SJ	CHECKED BY: RL
APPROVED BY: SBC	DATE: 05/18/25
ISSUE No.: 0	SHEET NUMBER: C-4.1

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SCALE IS BASE ON 11" X 17" D SIZE

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  - CONTRACTOR SHALL RESTORE AND REPAIR ANY DAMAGED AREAS CAUSED BY CONSTRUCTION TO ORIGINAL OR BETTER CONDITION
  - ALL PROPOSED WORK TO BE PERFORMED PER LATEST CROWN CASTLE STANDARDS & SPECIFICATIONS

**LEGEND**

— RW — (E) RIGHT-OF-WAY	— UE — (E) UNDERGROUND ELECTRIC
— EOP — (E) EDGE OF PAVEMENT	— AC-P — (P) AC POWER
— X — (E) EXISTING FENCE	— DC-P — (P) DC POWER
— CL — (E) CENTERLINE OF ROAD	— UG-F — (P) UNDERGROUND (FIBER)
— FOC — (E) FIBER OPTIC	— UG-P — (P) UNDERGROUND (POWER)
— GAS — (E) GAS	— G — (P) GROUND
— STORM — (E) STORM SEWER	— CATV — (E) CABLE TV
— T — (E) TELEPHONE	⊙ (E) VALVE
— TRF — (E) TRAFFIC	⊙ (E) HYDRANT
— SAN — (E) SANITARY SEWER	⊙ (E) MANHOLE
— W — (E) WATER	⊙ (E) STORM SEWER INLET
— SL — (E) STREET LIGHT	
— OHE — (E) OVERHEAD ELECTRIC	

**UTILITY NOTE:**  
 EXISTING UTILITIES SHOWN ARE APPROXIMATE, BASED ON OWNER PROVIDED UTILITY MAPS, EXISTING MARKINGS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES AND MAY NOT BE ALL INCLUSIVE. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF ALL EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORK ZONE.

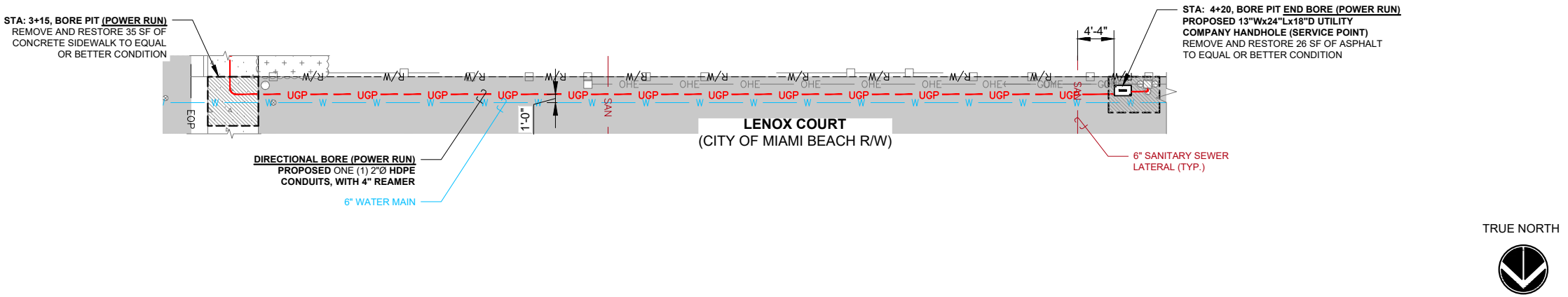
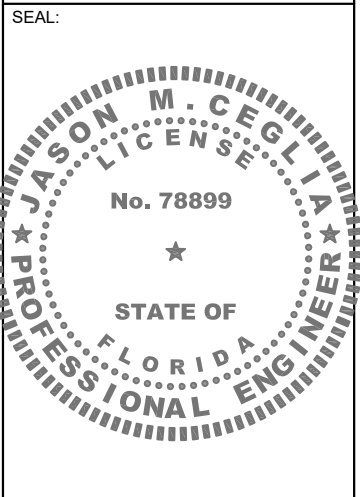
CLIENT:



3470 NW 82nd AVENUE  
 10th FLOOR  
 DORAL, FL 33122

PROJECT:

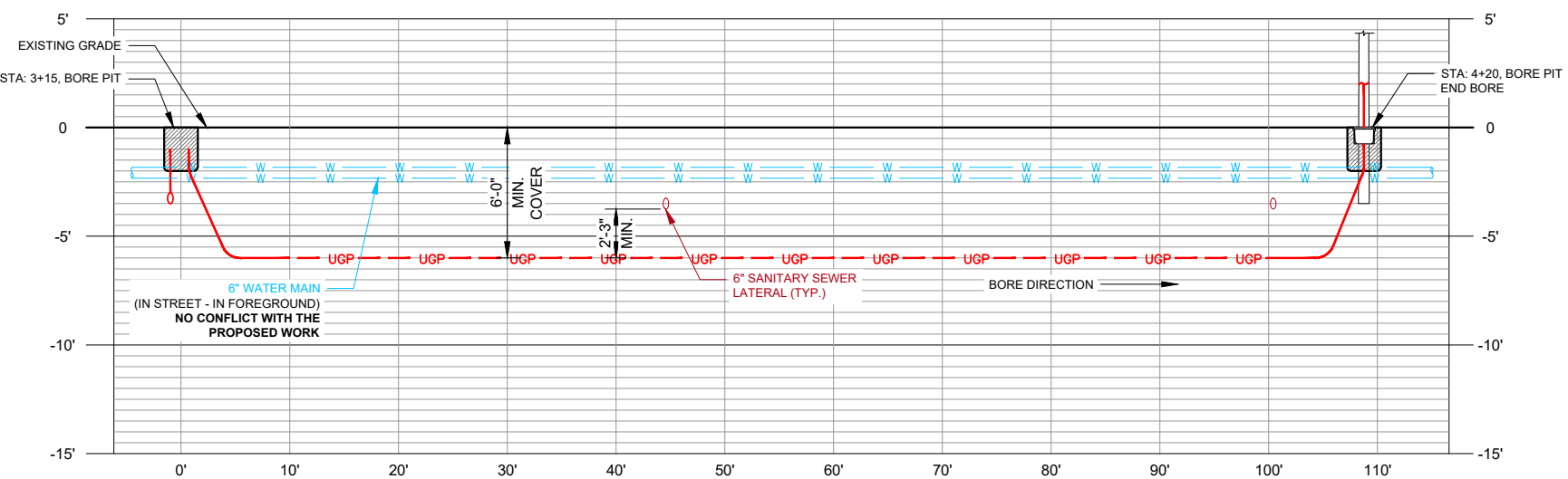
**SITE ID: FL6472BA**  
 SCU: 464668  
 600 ALTON ROAD  
 MIAMI BEACH, FL 33139  
 MIAMI-DADE COUNTY



SCALE: 1"=8'-0"

EXISTING UTILITIES AND BORE PLAN 1

**NOTE:**  
 ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88)



SCALE: AS SHOWN

LENOX COURT - BORE PROFILE 2

CONSULTANT:



Two South University Drive, Suite 245,  
 Plantation, FL 33324  
 Tel: 954.577.4655  
 www.stantec.com

REV	DATE	DESCRIPTION
A	05/19/25	PRELIM CDs
0	06/23/25	ISSUED FOR PERMIT

SHEET TITLE:

**EXISTING UTILITIES AND UNDERGROUND PLAN (POWER RUN)**

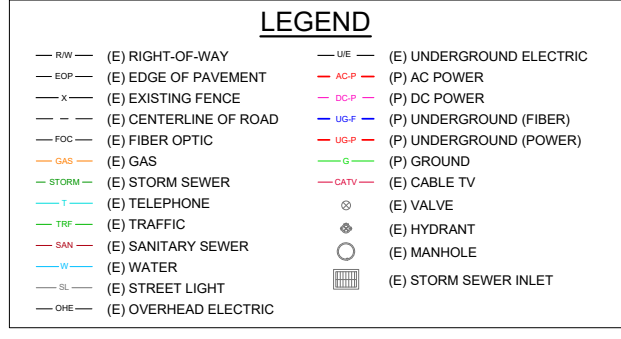
PROJECT NUMBER: 280570003

DRAWN BY: SJ	CHECKED BY: RL
APPROVED BY: SBC	DATE: 05/18/25
ISSUE No.: 0	SHEET NUMBER: C-4.2

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SCALE IS BASE ON 11" X 17" D SIZE

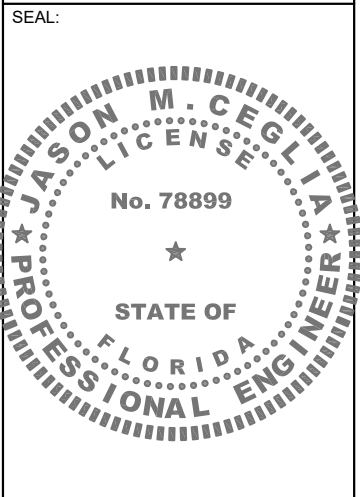
- UNDERGROUND CONSTRUCTION NOTES:**
- CONTRACTOR SHALL NOT COMMENCE BORING OPERATIONS UNTIL THE LOCATION(S) OF ALL UNDERGROUND UTILITIES WITHIN THE WORK AREA HAVE BEEN VERIFIED
  - CONTRACTOR TO VERIFY ALL MEASUREMENTS AND DISTANCES
  - MAINTAIN A MINIMUM BENDING RADIUS OF 5' ON ALL DUCT CONFIGURATIONS
  - CONTRACTOR SHALL RESTORE AND REPAIR ANY DAMAGED AREAS CAUSED BY CONSTRUCTION TO ORIGINAL OR BETTER CONDITION
  - ALL PROPOSED WORK TO BE PERFORMED PER LATEST CROWN CASTLE STANDARDS & SPECIFICATIONS



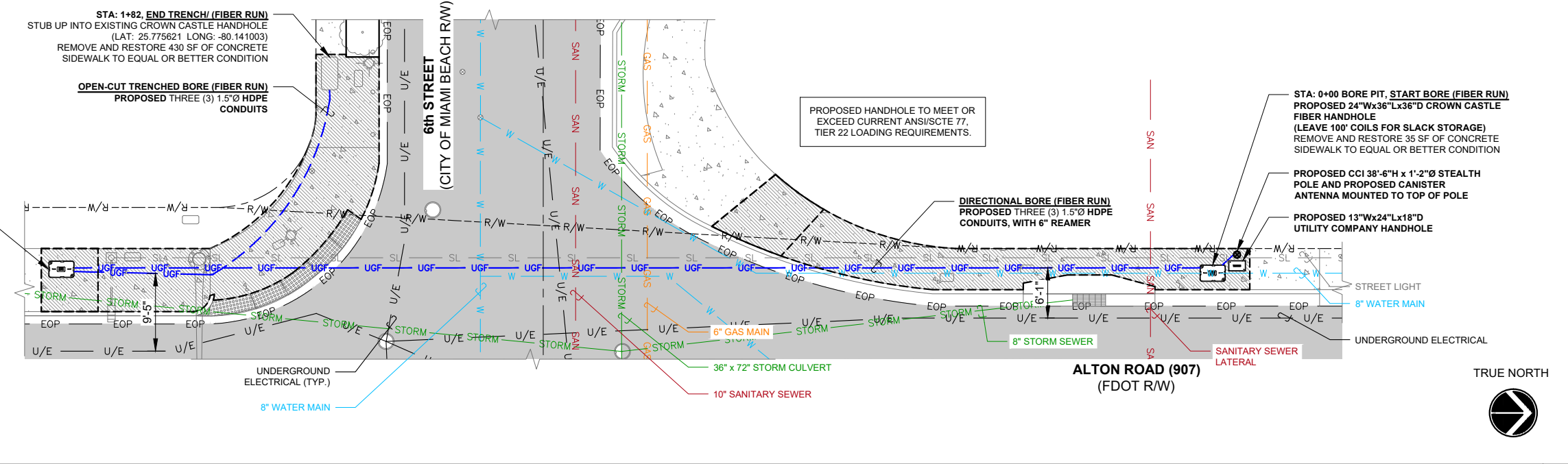
**UTILITY NOTE:**  
EXISTING UTILITIES SHOWN ARE APPROXIMATE, BASED ON OWNER PROVIDED UTILITY MAPS, EXISTING MARKINGS, VERBAL INFORMATION AND/OR PHYSICAL FEATURES AND MAY NOT BE ALL INCLUSIVE. PRIOR TO CONSTRUCTION (AT LEAST 72 HOURS OR THE MORE RESTRICTIVE MINIMUM NOTIFICATION PERIOD), THE CONTRACTOR SHALL CONTACT SUNSHINE 811 TO ALLOW MARKING OF ALL EXISTING BURIED UTILITIES WITHIN THE SCOPE OF THE PROPOSED WORK ZONE.

CLIENT:  
**CROWN CASTLE**  
3470 NW 82nd AVENUE  
10th FLOOR  
DORAL, FL 33122

PROJECT:  
**SITE ID: FL6472BA**  
SCU: 464668  
600 ALTON ROAD  
MIAMI BEACH, FL 33139  
MIAMI-DADE COUNTY



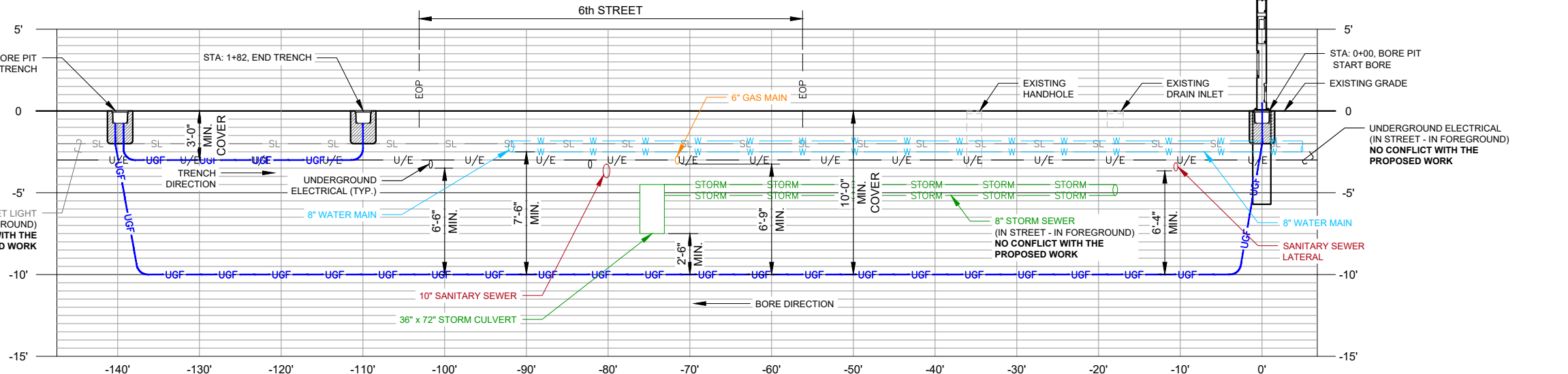
CONSULTANT:  
**Stantec**  
Two South University Drive, Suite 245,  
Plantation, FL 33324  
Tel: 954.577.4655  
www.stantec.com



SCALE: 1"=8'-0"

EXISTING UTILITIES AND BORE PLAN 1

**NOTE:**  
ELEVATIONS ARE BASED ON NORTH AMERICAN DATUM 1988 (NAVD88)



SCALE: AS SHOWN

ALTON ROAD (907) - BORE PROFILE 2

REV	DATE	DESCRIPTION
A	05/19/25	PRELIM CDs
0	06/23/25	ISSUED FOR PERMIT

SHEET TITLE:  
**EXISTING UTILITIES AND UNDERGROUND PLAN (FIBER RUN)**

PROJECT NUMBER: 280570003	
DRAWN BY: SJ	CHECKED BY: RL
APPROVED BY: SBC	DATE: 05/18/25
ISSUE No.: 0	SHEET NUMBER: C-4.3

SCALE IS BASE ON 11" X 17" "D" SIZE









PANEL NAME:		CROWN-1		MODEL NUMBER:		TBD									
RATED VOLTAGE:		240	120	VOLTS		PHASE/WIRE:		1	3						
MAIN BREAKER:		60	AMPS		BUS RATING:		100	AMPS							
MOUNT:		SURFACE		NEUTRAL BAR:		YES		HINGED DOOR:		YES					
ENCLOSURE TYPE:		NEMA 3R		AIC:		10K									
POS	USAGE FACTOR	BUS AMPS		LOAD	POLES	AMPS	L1	L2	AMPS	POLES	LOAD	BUS AMPS		USAGE FACTOR	POS
		L1	L2									L1	L2		
1	-	0		SPARE	1	20			15	1	RRU	7.8		1.25	2
3	-	0		SPARE	1	20			15	1	RRU		2.6	1.25	4
5	-	0		SPARE	1	20			15	1	SPARE	0		-	6
7									20	2	SURGE ARRESTOR		0	1.00	8
9											SPACE	0		-	10
11											SPACE	0		-	12
SUB TOTAL AMPS:		0	0									7.8	2.6		
FACTORED TOTAL AMPS: 5				FACTORED TOTAL VA: 1248VA ON 120/240V-1Ø SERVICE											

- NOTES:
- A. ALL CONDUCTORS ARE TYPE CU, AWG, THWN (75°C) COPPER.
  - B. MAXIMUM LENGTH OF RUN FOR RECTIFIER CIRCUITS IS 50FT.
  - C. GROUNDING ELECTRODE SHALL BE ESTABLISHED FROM PANEL BOND INCOMING NEUTRAL TO NEUTRAL BUS.
  - D. SEE SINGLE LINE FOR WIRING DETAILS.
  - E. PANEL SHALL HAVE A MINIMUM SCRR & AIC RATING OF 10,000 AMPS.

SCALE: N.T.S. **PANEL SCHEDULE 1**

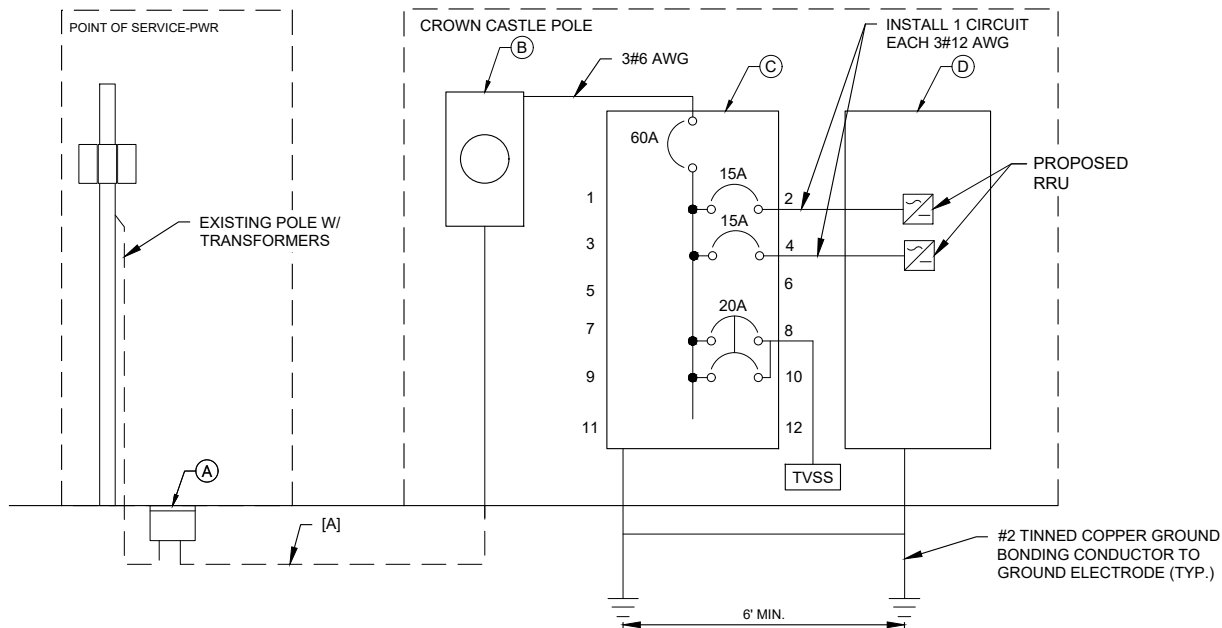
ELECTRICAL						
CIRCUIT ID	ITEM DESCRIPTION	CURRENT	PHASE/WIRE	VOLTS	ONE WAY LENGTH OF RUN	CIRCUIT SIZE (H+N)
[A]	FROM POINT OF SERVICE TO METER	60A	1Ø/3W	120/240V	0FT - 160FT	[3] #6
					161FT - 255FT	[3] #4
					256FT - 325FT	[3] #3
					326FT - 410FT	[3] #2
					411FT - 515FT	[3] #1
					516FT - 650FT	[3] #1/0
					651FT - 825FT	[3] #2/0
					826FT - 1040FT	[3] #3/0

CIRCUITS SIZED FOR 60A SERVICE WITH MAXIMUM 4.0% VOLTAGE DROP

ALL CIRCUITS SHALL BE CU, AWG, THWN / USE ISLCO WIRE GAUGE REDUCERS ON LARGE GAUGE WIRES

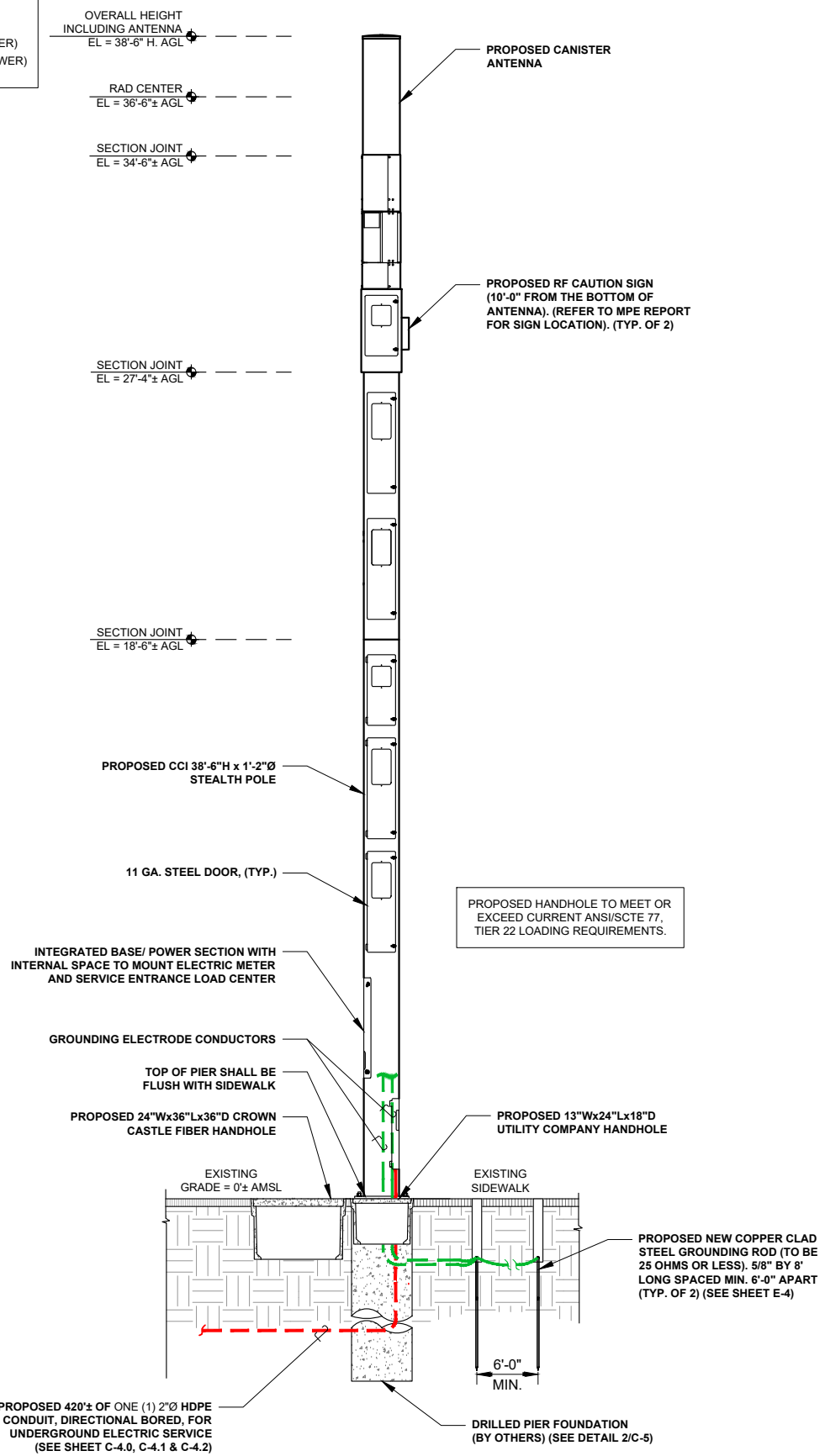
NOTE: CIRCUIT [A] SHALL BE PLACED UNDERGROUND FROM METER CAN TO HANDHOLE. CONTRACTOR SHALL COORDINATE WITH CPM AND LOCAL UTILITY PROVIDER FOR POWER RUN INSTALLATION FROM HANDHOLE TO POINT OF SERVICE CONNECTION. CONTRACTOR SHALL PROVIDE HANDHOLE IF REQUIRED (COORDINATE WITH UTILITY COMPANY).

- LEGEND
- (A) POINT OF SERVICE CONNECTION
  - (B) PROPOSED 120/240V RATED, 1Ø/3W, NEMA 3R METER CAN
  - (C) PROPOSED 120/240V RATED, 1Ø/3W, 8 POSITION, NEMA 3R DISTRIBUTION PANEL WITH 60A MAIN DISCONNECT "CROWN-1"
  - (D) NEMA 3R ENCLOSURE FOR RRU RECTIFIERS



SCALE: N.T.S. **SINGLE-LINE DIAGRAM 2**

- LEGEND
- RW — (E) RIGHT-OF-WAY
  - EOP — (E) EDGE OF PAVEMENT
  - CL — (E) CENTERLINE OF ROAD
  - X — (E) EXISTING FENCE
  - ACP — (P) AC POWER
  - DCP — (P) DC POWER
  - G — (P) GROUND
  - UG-F — (P) UNDERGROUND (FIBER)
  - UG-P — (P) UNDERGROUND (POWER)

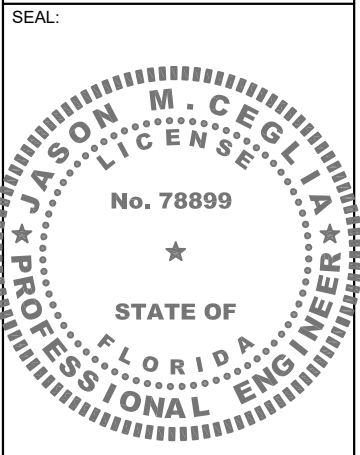


SCALE: N.T.S. **POLE ELEVATION DETAIL 3**



3470 NW 82nd AVENUE  
10th FLOOR  
DORAL, FL 33122

PROJECT:  
**SITE ID: FL6472BA**  
SCU: 464668  
600 ALTON ROAD  
MIAMI BEACH, FL 33139  
MIAMI-DADE COUNTY



CONSULTANT:  
**Stantec**  
Two South University Drive, Suite 245,  
Plantation, FL 33324  
Tel: 954.577.4655  
www.stantec.com

REV	DATE	DESCRIPTION
A	05/19/25	PRELIM CDs
0	06/23/25	ISSUED FOR PERMIT

SHEET TITLE:  
**ELECTRICAL DETAILS**

PROJECT NUMBER: 280570003	
DRAWN BY: SJ	CHECKED BY: RL
APPROVED BY: SBC	DATE: 05/18/25
ISSUE No.: 0	SHEET NUMBER: E-2

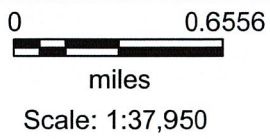
SCALE IS BASE ON 11" X 17" D SIZE



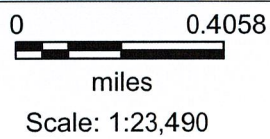
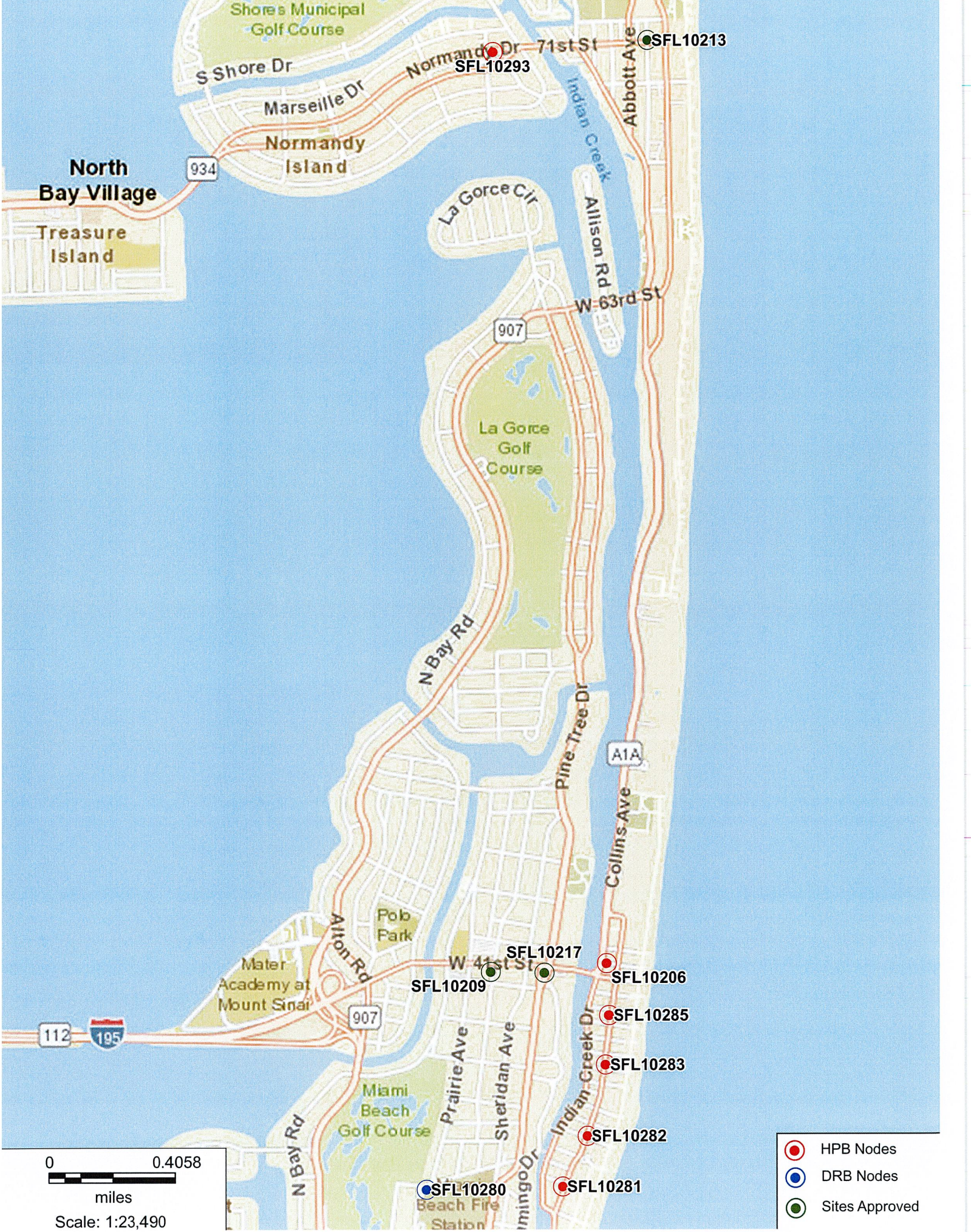






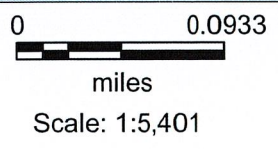


- HPB Nodes
- DRB Nodes
- Sites Approved



- HPB Nodes
- DRB Nodes
- Sites Approved





- HPB Nodes
- DRB Nodes
- Sites Approved



0 0.1316  
 miles  
 Scale: 1:7,620

- HPB Nodes
- DRB Nodes
- Sites Approved

Map labels include street names: West Ave, Alton Rd, Michigan Ave, Meridian Ave, Euclid Ave, Washington Ave, Collins Ave, Ocean Ave, 13th St, 12th St, 11th St, 10th St, 9th St, 8th St, 7th St, 6th St, 5th St, 4th St, 3rd St, Commerce St, and South Shore.

Map labels include landmarks and parks: Park & Pool, Miami Beach Cinematheque & Gal, Lummu's Park Beach, Lummu's Park - Miami, The Shops at Fifth and Alton, Murano Grande at Portofino, Murano at Portofino, The Yacht, and Marjorie Stoneman Douglas Park.

Map labels include node IDs: SFL10235, SFL10269, SFL10267, SFL10265, SFL10263, SFL10262, SFL10264, SFL10238, SFL10253, SFL10260, SFL10258, SFL10259, SFL10256, SFL10295, SFL10203, SFL10251, SFL10250, SFL10252, SFL10240, SFL10294, SFL10249, SFL10247, SFL10246, SFL10242, SFL10243, SFL10245, SFL10284, SFL10237, SFL10296, SFL10254, SFL10295, SFL10203, SFL10240, SFL10294, SFL10249, SFL10247, SFL10246, SFL10242, SFL10243, SFL10245, SFL10284, SFL10236, SFL10287, SFL10237, SFL10296, SFL10253, SFL10260, SFL10258, SFL10259, SFL10256, SFL10295, SFL10203, SFL10251, SFL10250, SFL10252, SFL10240, SFL10294, SFL10249, SFL10247, SFL10246, SFL10242, SFL10243, SFL10245, SFL10284.

Map labels include site IDs: 5\_12, 5\_13, 5\_14, 5\_15, 5\_16, 5\_17, 5\_18, 5\_19, 5\_20.

600 Alton Rd, Miami Beach FL 33139





# NEW SITE BUILD

600 ALTON ROAD, MIAMI BEACH, FL 33139  
FL6472BA

25.775920, -80.140915



## LEGEND

-  SITE LOCATION
-  VIEW DIRECTION



# NEW SITE BUILD

600 ALTON ROAD, MIAMI BEACH, FL 33139  
FL6472BA

25.775920, -80.140915

VIEW 1



VIEW: BEFORE



VIEW: AFTER

**NEW SITE BUILD**

VIEW 2

**600 ALTON ROAD, MIAMI BEACH, FL 33139  
FL6472BA**

**25.775920, -80.140915**



**VIEW: BEFORE**



**PROPOSED INTEGRATED  
STEALTH POLE W/  
ANTENNA ON TOP**

**VIEW: AFTER**

**NEW SITE BUILD**

**VIEW 3**

**600 ALTON ROAD, MIAMI BEACH, FL 33139  
FL6472BA**

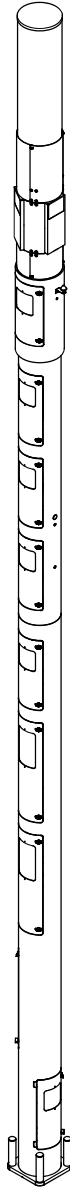
**25.775920, -80.140915**



**VIEW: BEFORE**



**VIEW: AFTER**



# Raycap

7555-A PALMETTO COMMERCE PARKWAY

NORTH CHARLESTON, SC 29420 USA

P: (800)-755-0689 / F: (843)-207-0207

WWW.RAYCAP.COM

PROJECT MANAGER: DANIEL ROBERTS; 843-574-9675

## FINAL ENGINEERING

### CROWN CASTLE MIAMI 14 INCH POLE III MIAMI, FL

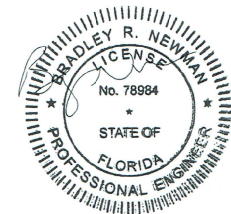
RAYCAP #: CC20-00029W-05R0

#### DRAWING INDEX

T1	TITLE SHEET
N1-N2	NOTES & SPECIFICATIONS
S1-S3	ASSEMBLY - ELEVATIONS
S4	FOUNDATION DETAILS

Bradley Newman

Digitally signed by Bradley Newman  
DN: CN=Bradley Newman,  
E=newman@nbccl.com,  
G=Bradley, SN=Newman,  
C=US  
Date: 2025.06.11  
19:05:42-04'00'



This item has been electronically signed and sealed by Bradley Newman, PE, on 06/11/2025. Printed copies are not considered signed and sealed and the signature must be verified on any electronic copies.

**NB+C**  
TOTALLY COMMITTED.

**NB+C ENGINEERING SERVICES, LLC.**

6095 MARSHALEE DRIVE, SUITE 300  
ELK RIDGE, MD 21075  
410-712-7092

T1

REVISION

06/05/2025

B

**GENERAL**

1. THIS PRODUCT IS SOLD PURSUANT TO RAYCAP, INC. TERMS AND CONDITIONS, WHICH ARE INCORPORATED HEREIN BY REFERENCE.
2. THESE SHALL APPLY FOR ALL CASES UNLESS NOTED OTHERWISE (U.N.O.).
3. ANY ITEMS REFERENCED AS BEING ON "HOLD" ARE TO BE INCLUDED IN THE WORK AS SHOWN. HOWEVER, CONSTRUCTION OR FABRICATION IS NOT TO BEGIN UNTIL THE "HOLD" REFERENCE IS REMOVED.
4. IN THE CASE WHERE DIMENSIONS CONTAINED WITHIN ARE LABELED TO BE VERIFIED IN FIELD (V.I.F.), THEY MUST BE FIELD VERIFIED AND/OR CUSTOMER APPROVED PRIOR TO FABRICATION OF MATERIALS.
5. IN THE CASE THAT THE PROPOSED IS TO BE PLACED ON AN EXISTING STRUCTURE, THE MODIFICATIONS DEPICTED IN THESE DRAWINGS ARE INTENDED TO PROVIDE STRUCTURAL SUPPORT FOR THE ADDITION OF THE TELECOM STRUCTURE OUTLINED WITHIN. THE EXISTING STRUCTURE, WHETHER IT BE A FOUNDATION, POLE, OR BUILDING (IF APPLICABLE) SHALL BE ANALYZED AND RETROFITTED AS REQUIRED, BY OTHERS, TO WITHSTAND THE LOADS IMPOSED BY THE NEW RAYCAP STRUCTURE SHOWN ON THE DRAWINGS.
6. TELECOM PRODUCTS SHALL BE INSTALLED BY A CONTRACTOR EXPERIENCED IN SIMILAR WORK. CARE SHALL BE TAKEN IN THE INSTALLATION OF ANY AND ALL MEMBERS IN ACCORDANCE WITH RECOGNIZED INDUSTRY STANDARDS AND PROCEDURES. ALL APPLICABLE OSHA SAFETY GUIDELINES ARE TO BE FOLLOWED. RAYCAP IS NOT PROVIDING FIELD INSTALLATION SUPERVISION.
7. NOTES FOR CONTRACTOR/INSTALLER: ALL BIDS FOR THE INSTALLATION/ERECTION OF THIS PRODUCT SHALL INCLUDE, BUT NOT LIMITED TO THE FOLLOWING MINIMUM REQUIRED TRADES: RIGGING, STEEL ERECTION, STEEL FABRICATION/MODIFICATION, WELDING, ELECTRICAL, CONCRETE, EXCAVATION AND WATERPROOFING. CONTRACTOR MAY, IN CONTRACTOR'S SOLE AND ABSOLUTE DISCRETION, DETERMINE ADDITIONAL TRADES ARE NECESSARY TO INSTALL/ERECT THE PRODUCT.
8. THESE DRAWINGS INDICATE THE MAJOR OPERATIONS TO BE PERFORMED, BUT DO NOT SHOW EVERY FIELD CONDITION THAT MAY BE ENCOUNTERED, THEREFORE, PRIOR TO BEGINNING OF WORK THE CONTRACTOR SHOULD SURVEY THE JOB SITE THOROUGHLY TO MINIMIZE FIELD PROBLEMS.
9. PROTECTION OF EXISTING STRUCTURES DURING THE COURSE OF THE CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
10. THE STRUCTURAL INTEGRITY OF THIS STRUCTURE IS DESIGNED TO BE ATTAINED IN ITS COMPLETED STATE. WHILE UNDER CONSTRUCTION ANY TEMPORARY BRACING OR SHORING WHICH MAY BE REQUIRED TO MAINTAIN STABILITY PRIOR TO COMPLETION SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
11. THE PLANS AND DETAILS WITHIN DO NOT INCLUDE DETAILS OR DESIGN FOR DRAINAGE FROM OR WATERPROOFING OF EXTERIOR OR INTERIOR SURFACES OF THE STRUCTURE. THESE DETAILS MUST BE COMPLETED BY OTHERS.
12. CONTRACTOR TO SHIM BASE PLATES AND MATING FLANGES AS REQUIRED TO ENSURE LEVEL SURFACE.

**STRUCTURAL STEEL AND ALUMINUM**

1. STEEL FABRICATION AND INSTALLATION SHALL BE DONE IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL AND SPECIFICATIONS.
2. STEEL I-SHAPE, ANGLE, CHANNEL, AND MISCELLANEOUS MEMBERS SHALL CONFORM TO ASTM A36 (36 KSI MIN. YIELD STRENGTH) STEEL SPECIFICATIONS, U.N.O.
3. STEEL PLATE MEMBERS SHALL CONFORM TO MINIMUM ASTM A36 (36 KSI MIN. YIELD STRENGTH) STEEL SPECIFICATIONS U.N.O.
4. STEEL PIPE AND ROUND TUBE MEMBERS SHALL CONFORM TO ASTM A500 GRADE B (42 KSI MIN. YIELD STRENGTH) STEEL SPECIFICATIONS, U.N.O.
5. STEEL RECTANGULAR AND SQUARE TUBE MEMBERS SHALL CONFORM TO ASTM A500 GRADE B (46 KSI MIN. YIELD STRENGTH) STEEL SPECIFICATIONS, U.N.O.
6. STEEL WIDEFLANGE MEMBERS SHALL CONFORM TO ASTM A992 (50 KSI MIN. YIELD STRENGTH) STEEL SPECIFICATIONS U.N.O.
7. STEEL TAPERED POLES SHALL CONFORM TO ASTM A572 GR50 FOR 11 GA AND ASTM A572 GR65 FOR .188" and .25" WALL THICKNESS.
8. ALUMINUM PLATE MEMBERS SHALL BE GRADE 5052-H34, EXCEPTION FOR 3/4" OR THICKER UNBENT MEMBERS TO BE GRADE 6061-T6.
9. ALUMINUM PIPE TO BE GRADE 6061-T6.
10. ALUMINUM TAPERED POLES TO BE GRADE 6063-T6.
11. ALL STRUCTURAL BOLTS SHALL CONFORM TO ASTM F3125 GRADE A325 SPECIFICATIONS, U.N.O. A325N AND A325X ALLOWED. ALL BOLTS ARE RECOMMENDED TO BE ORIENTED WITH THREADS UP AND OUT UNLESS SITE SPECIFIC CONDITIONS WARRANT OTHERWISE.
12. STRUCTURAL BOLTS SHALL BE TIGHTENED PER THE "TURN OF THE NUT" METHOD.
13. STRUCTURAL BOLT HOLE EDGE DISTANCES SHALL BE PER AISC SECTION J3.
14. ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS AND PROCEDURES OF THE AMERICAN WELDING SOCIETY (AWS) BY CERTIFIED WELDERS PER AWS D1.1 FOR STEEL, AWS D1.2 FOR ALUMINUM AND AWS D1.6 FOR STAINLESS STEEL. STEEL WELDS SHALL BE BY E70XX, LOW HYDROGEN ELECTRODE. ALUMINUM WELDS SHALL UTILIZE 4043 FILLER OR APPROVED ALTERNATIVES. VERIFY FILLER MATERIAL IS COMPATIBLE WITH BASE METAL FOR EACH WELDED JOINT.
15. UNCOATED STEEL SHALL BE HOT DIP GALVANIZED PER ASTM A123 SPECIFICATIONS AFTER FABRICATION OR PAINTED WITH RUST INHIBITIVE PRIMER.
16. STEEL HARDWARE SHALL BE HOT DIP GALVANIZED PER ASTM F2329, U.N.O.
17. AFTER ANY FIELD HOLE PUNCHING / DRILLING OR CUTTING HAS BEEN COMPLETED, OR FOR ANY DAMAGED STRUCTURAL MEMBER, THE GALVANIZING MUST BE REPAIRED ACCORDING TO ASTM A780.
18. ALL WELDED STEEL ASSEMBLIES AND INDIVIDUAL STEEL PARTS SHOULD HAVE THE PART NUMBER WELDED OR TAGGED ONTO THE PART OR ASSEMBLY. IF WELDED, THE PART NUMBERS SHOULD BE LOCATED CONSISTENTLY AND AWAY FROM ANY CONNECTION POINT TO AVOID ANY INTERFERENCE ISSUES WITH THE WELD.
19. DISSIMILAR METALS IN CONTACT SHALL BE INSULATED WITH PAINT OR OTHER APPROVED COATING TO PREVENT GALVANIC CORROSION.

**DISCLAIMERS:**

1. ALL STRUCTURAL COMPONENTS TO BE CONNECTED TOGETHER SHALL BE COMPLETELY FIT UP ON THE GROUND OR OTHERWISE VERIFIED FOR COMPATIBILITY PRIOR TO LIFTING ANY COMPONENT INTO PLACE. REPAIRS REQUIRED DUE TO FIT-UP OR CONNECTION COMPATIBILITY PROBLEMS AFTER PARTIAL ERECTION ARE THE FINANCIAL RESPONSIBILITY OF THE CONTRACTOR.
2. SOME TELECOMMUNICATION STRUCTURES ARE SUSCEPTIBLE TO WIND-INDUCED OSCILLATIONS. OSCILLATIONS MAY OCCUR AT LOW OR MODERATE WIND SPEEDS AND MAY CAUSE STRUCTURAL DAMAGE. TIA PROVIDES NO PRACTICAL ANALYTICAL METHOD TO PREDICT AND PREVENT WIND-INDUCED STRUCTURAL OSCILLATIONS. RAYCAP, INC. RECOMMENDS FREQUENT MONITORING TO IDENTIFY WIND-INDUCED OSCILLATION AND REGULAR CONDITION ASSESSMENTS TO IDENTIFY FATIGUE CRACKING, LOOSE OR MISSING BOLTS, AND ANY OTHER STRUCTURAL DEFECTS. ANY OSCILLATION OR DEFECTS OBSERVED SHALL BE IMMEDIATELY REPORTED TO RAYCAP, INC. FOR FURTHER EVALUATION AND POSSIBLE REPAIRS OR MODIFICATIONS WHICH MAY BE REQUIRED AT THE OWNERS EXPENSE.
3. WHERE EFFECTIVE PROJECTED AREAS (EPA) ARE USED, IT IS THE RESPONSIBILITY OF OTHERS TO VERIFY INSTALLED EQUIPMENT DOES NOT EXCEED LISTED EPA.

**SPECIAL INSPECTIONS & STRUCTURAL OBSERVATION:**

1. STEEL FABRICATION SHALL BE DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED AS REQUIRED BY THE BUILDING CODE TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. ALTERNATIVELY, SPECIAL INSPECTION OF MATERIALS, WELDING, AND FABRICATION PROCEDURES SHALL BE REQUIRED FOR FABRICATION BY AN UNAPPROVED FABRICATOR.
2. NO FIELD WELDING SHALL BE PERMITTED.
3. THE FOLLOWING SPECIAL INSPECTIONS (WHERE APPLICABLE) SHALL BE REQUIRED PER CHAPTER 17 OF THE BUILDING CODE.
  - A. SPECIAL INSPECTION OF HIGH-STRENGTH BOLTING (WHEN APPLICABLE):
    - I. PERIODIC SPECIAL INSPECTION IF BOLTS ARE PRE-TENSIONED WITH MATCH-MARKING TECHNIQUES.
    - II. CONTINUOUS SPECIAL INSPECTION OF ALL OTHER HIGH-STRENGTH BOLTING.
  - B. SPECIAL INSPECTION IS NOT REQUIRED FOR WORK OF A MINOR NATURE OR AS WARRANTED BY CONDITIONS IN THE JURISDICTION AS APPROVED BY THE BUILDING OFFICIAL. THUS, SPECIAL INSPECTION ITEMS ABOVE MAY BE WAIVED AS DEEMED APPROPRIATE BY THE BUILDING OFFICIAL.
5. NO STRUCTURAL OBSERVATION IS REQUIRED.

**FRP**

1. FRP STRUCTURAL SHAPES SHALL BE BEDFORD FRP SERIES 1525, MANUFACTURED USING THE PULTRUSION PROCESS
2. IF PREFABRICATED MEMBERS DO NOT ASSEMBLE PER PLAN, CONTACT RAYCAP, INC. BEFORE CUTTING OR ALTERING FABRICATED MEMBERS.
3. FRP STRUCTURAL MEMBERS SHALL BE FABRICATED AND ASSEMBLED AS INDICATED ON THE DRAWINGS.
4. THE CONTRACTOR SHALL PROTECT THE FRP STRUCTURAL MEMBERS FROM ABUSE TO PREVENT BREAKAGE, NICKS, GOUGES, ETC. DURING FABRICATION, HANDLING, AND INSTALLATION.
5. FRP BOLTS SHOULD BE TIGHTENED 1/2 TURN PAST SNUG AND LOCKED WITH EPOXY.
6. FRP OR STEEL BOLTS THROUGH FRP MEMBERS SHALL MEET THE FOLLOWING SPACING AND EDGE DISTANCE REQUIREMENTS, MEASURED FROM BOLT CENTERS:
  - MIN. BOLT SPACING = 4 TIMES BOLT DIA
  - MIN. EDGE DIST = 3 TIMES BOLT DIA, IN DIRECTION OF PULTRUSION
  - MIN. EDGE DIST = 2 TIMES BOLT DIA, PERPENDICULAR TO DIRECTION OF PULTRUSION

**DESIGN NOTES:**

STRUCTURAL DESIGN IS BASED ON THE 2023 FBC WITH 2021 IBC CODE & ANSITIA-222-H

**SITE LOCATION:**

MIAMI, FL

**DESIGN LOADS:**

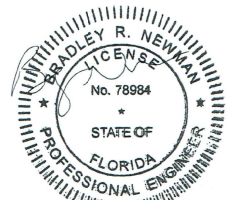
WIND:  
ULTIMATE WIND SPEED: 175 MPH (3-SEC GUST)  
RISK CATEGORY: II  
EXPOSURE: D

**SEISMIC:**

IMPORTANCE FACTOR: 1.0  
RISK CATEGORY: II  
SITE CLASS: D  
MAPPED SPECTRAL RESPONSE ACCELERATIONS: Ss = 0.048g S1 = 0.02g  
SEISMIC DESIGN CATEGORY: A  
SPECTRAL RESPONSE COEFFICIENTS: Sds = 0.043g Sd1 = 0.029g

**COLUMN REACTIONS:**

SHEAR REACTION: V= 3.3 kips  
AXIAL REACTION: R= 8.66 kips  
MOMENT: M= 74.4 kips-ft



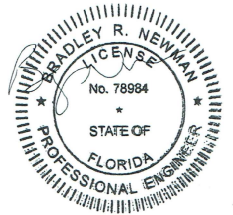
This item has been electronically signed and sealed by Bradley Newman, PE, on 06/11/2025. Printed copies are not considered signed and sealed and the signature must be verified on any electronic copies.

DRAWN	DSP	<b>Raycap</b> 7555-A PALMETTO COMMERCE PARKWAY NORTH CHARLESTON, SC 29420 USA
DESIGNED	ARS	
REVISED	NB+C	
DRAWING NOT TO SCALE. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.  TOLERANCES: DECIMAL: X ± 0.1    FRACTIONAL: XX ± 1/16 .XX ±0.03 .XXX ±0.01 ANGLES ±5°  ALL BENDING TOLERANCES: ± 1.0°  THIRD ANGLE PROJECTION		CROWN CASTLE MIAMI 14 INCH POLE III MIAMI, FL
		SHEET #    REVISION <b>N1    B</b>
		NOTES & SPECIFICATIONS RAYCAP #CC20-00029W-05R0    DATE: 06/05/2025
PROPRIETARY INFORMATION: THE INFORMATION CONTAINED WITHIN THIS DRAWING SET IS PROPRIETARY & CONFIDENTIAL BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO RAYCAP, INC. IS STRICTLY PROHIBITED. COPYRIGHT 2025 RAYCAP, INC. ALL RIGHTS RESERVED		


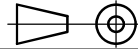


REVISION TABLE

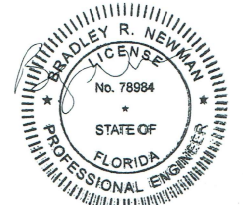
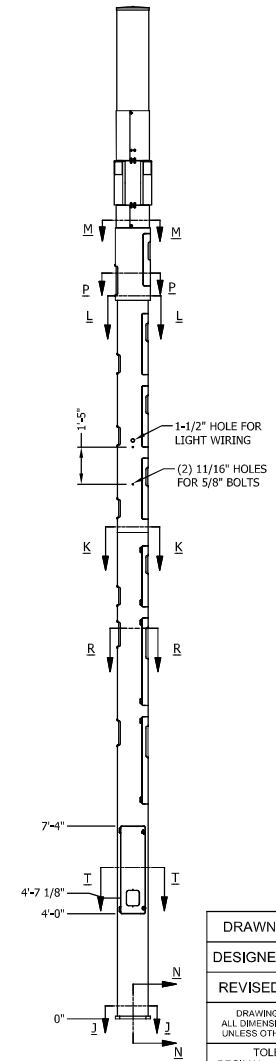
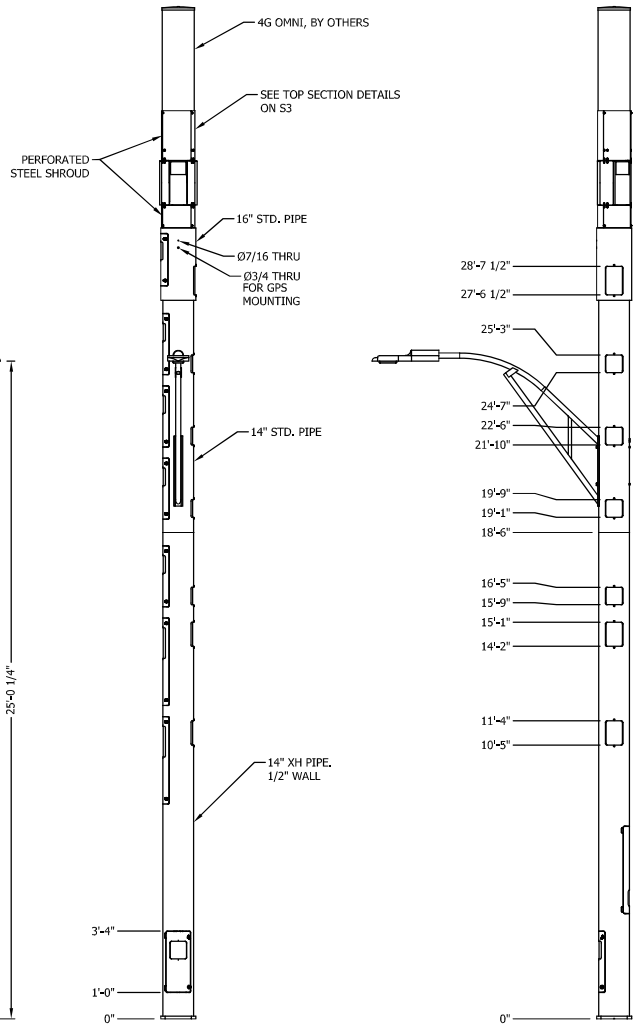
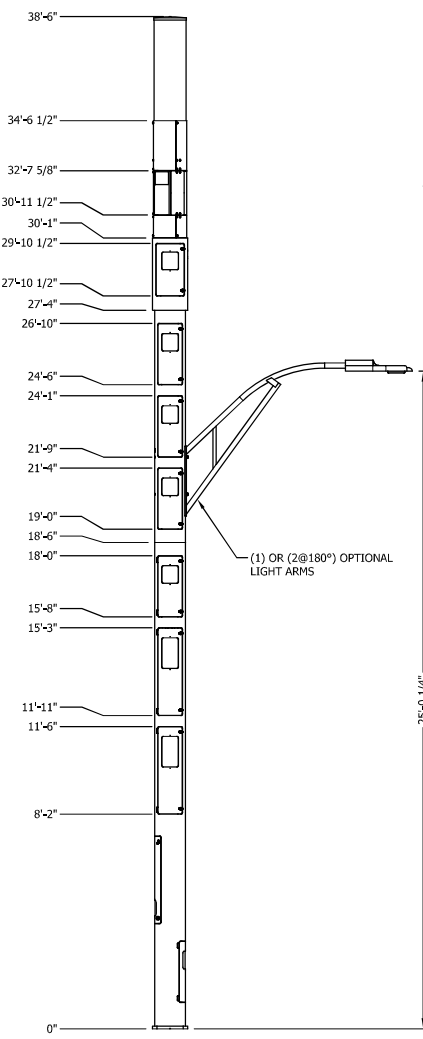
REVISION	DESIGNER	DATE	SCOPE OF REVISION
A	NB+C	02/12/2020	FINAL ENGINEERING
B	NB+C	06/05/2025	REVISED FINAL ENGINEERING



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DRAWN	DSP	 7555-A PALMETTO COMMERCE PARKWAY NORTH CHARLESTON, SC 29420 USA
DESIGNED	ARS	
REVISED	NB+C	
DRAWING NOT TO SCALE. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED		CROWN CASTLE MIAMI 14 INCH POLE III MIAMI, FL
TOLERANCES: DECIMAL: FRACTIONAL: .X ±0.1    .XX ± 1/16 .XX ±0.03 .XXX ±0.01 ANGLES ±5°		
ALL BENDING TOLERANCES: ± 1.0°		
THIRD ANGLE PROJECTION 		
PROPRIETARY INFORMATION: THE INFORMATION CONTAINED WITHIN THIS DRAWING SET IS PROPRIETARY & CONFIDENTIAL BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO RAYCAP, INC. IS STRICTLY PROHIBITED. COPYRIGHT 2025 RAYCAP, INC. ALL RIGHTS RESERVED.		SHEET # <div style="font-size: 24pt; font-weight: bold; text-align: center;">N2</div>
RAYCAP #CC20-00029W-05R0		REVISION <div style="font-size: 24pt; font-weight: bold; text-align: center;">B</div>
DATE: 06/05/2025		NOTES & SPECIFICATIONS





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DRAWN	DSP
DESIGNED	ARS
REVISED	NB+C

**Raycap**  
 7555-A PALMETTO COMMERCE PARKWAY  
 NORTH CHARLESTON, SC 29420 USA

CROWN CASTLE  
 MIAMI 14 INCH POLE III  
 MIAMI, FL

DRAWING NOT TO SCALE.  
 ALL DIMENSIONS ARE IN INCHES  
 UNLESS OTHERWISE SPECIFIED

TOLERANCES:  
 DECIMAL: X ± 0.1 FRACTIONAL: XX ± 1/16  
 .XX ± 0.03 .XXX ± 0.01  
 ANGLES ± .5°

ALL BENDING TOLERANCES:  
 ± 1.0°

THIRD ANGLE PROJECTION

ASSEMBLY - ELEVATIONS

SHEET #	REVISION
S1	B

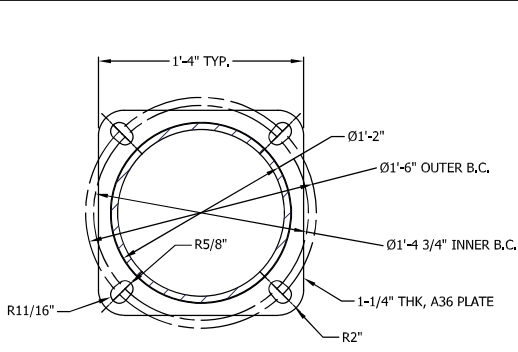
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DATE: 06/05/2025

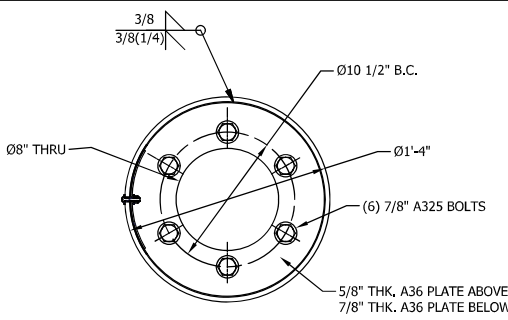
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**NB+C**  
 TOTALLY COMMITTED.

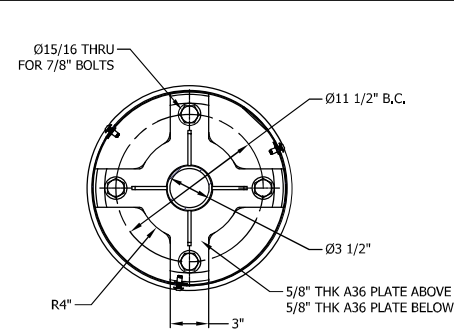
NB+C ENGINEERING SERVICES, LLC.  
 6000 MARSHALLEE BLVD., SUITE 300  
 SUDBURY, MD 21767  
 410-712-7592



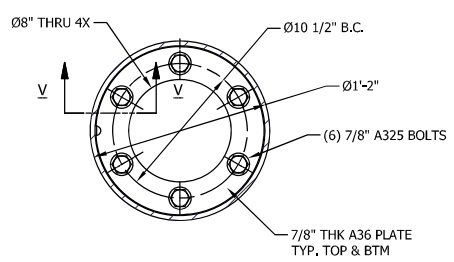
SECTION J-J  
BASE PLATE  
0'0" AGL



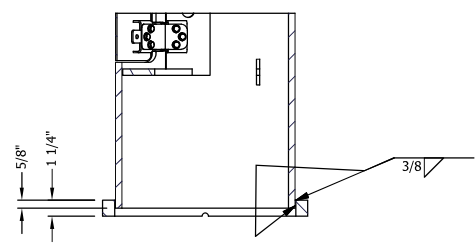
SECTION L-L  
INTERNAL FLANGE  
27'4" AGL



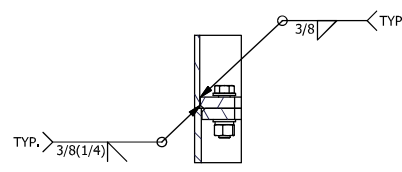
SECTION M-M  
INTERNAL FLANGE 30'1" AGL



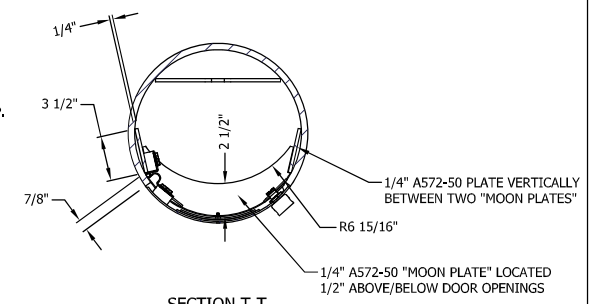
SECTION K-K  
INTERNAL FLANGE  
18'6" AGL



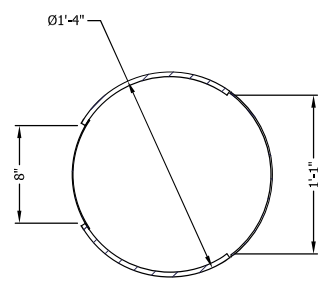
SECTION N-N  
BASE PLATE WELD DETAIL



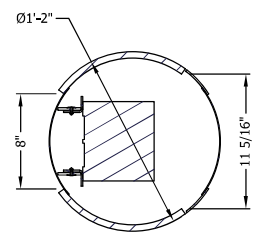
SECTION V-V  
INTERNAL FLANGE  
WELD DETAIL, TYP.



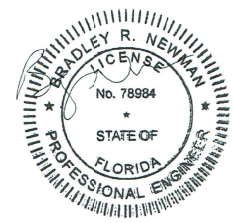
SECTION T-T  
PIPE OPENING REINFORCEMENT  
TYP. BOTTOM (3) DOORS



SECTION P-P  
PIPE OPENING DETAIL  
TYP. (1) LOCATION



SECTION R-R  
PIPE OPENING DETAIL



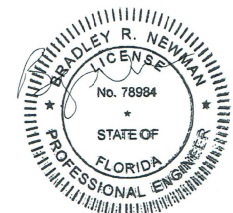
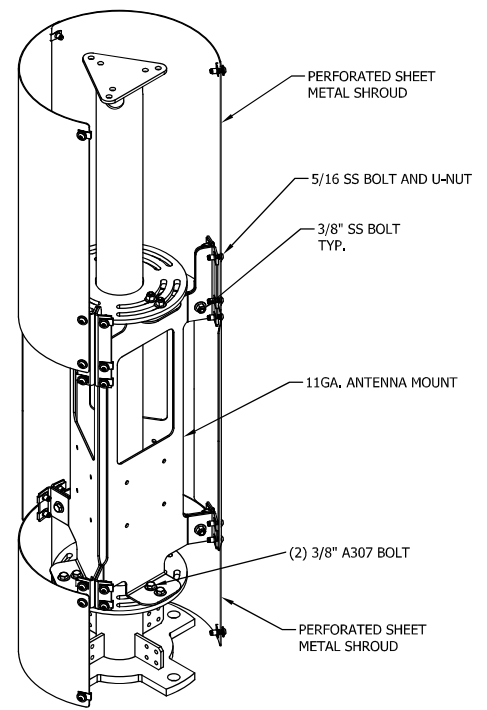
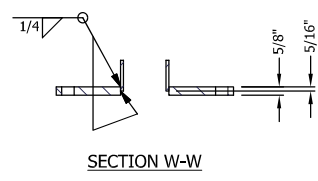
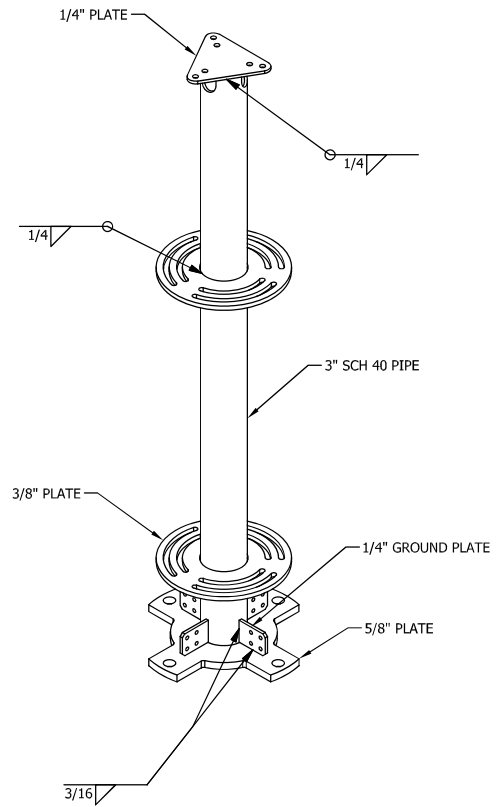
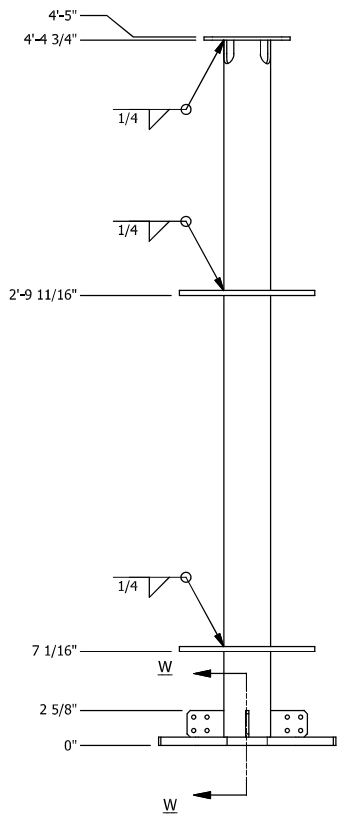
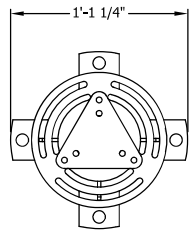
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NB+C ENGINEERING SERVICES, LLC.  
6065 MARSHALEE DRIVE, SUITE 306  
ELKHART, IN 47715  
317-732-7002

DRAWN	DSP	 7555-A PALMETTO COMMERCE PARKWAY NORTH CHARLESTON, SC 29420 USA	
DESIGNED	ARS		
REVISED	NB+C		
DRAWING NOT TO SCALE. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED		CROWN CASTLE MIAMI 14 INCH POLE III MIAMI, FL	
TOLERANCES: DECIMAL: .X ±0.1 .XX ±0.03 .XXX ±0.01 FRACTIONAL: XIX ± 1/16 ANGLES ±5°		SHEET # <b>S2</b>	
ALL BENDING TOLERANCES: ± 1.0° THIRD ANGLE PROJECTION		REVISION <b>B</b>	
		RAYCAP #CC20-00029W-05R0	
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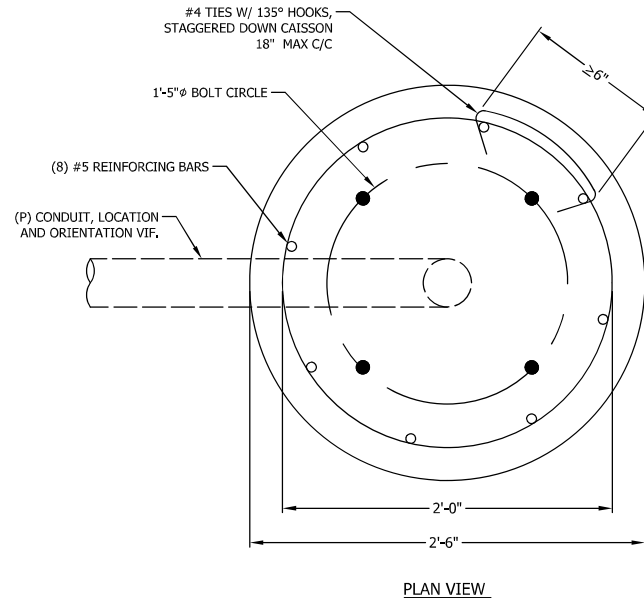
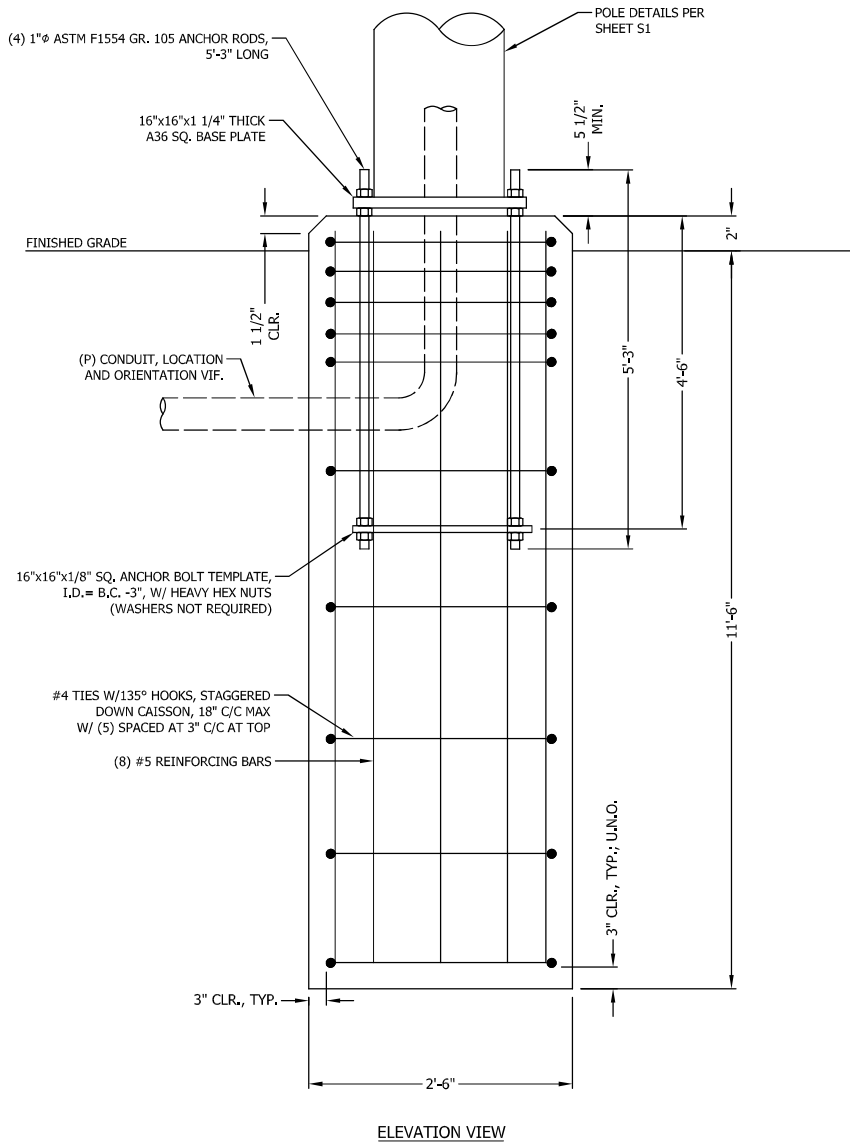
DATE: 06/05/2025



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DRAWN	DSP	<b>Raycap</b> 7555-A PALMETTO COMMERCE PARKWAY NORTH CHARLESTON, SC 29420 USA		
DESIGNED	ARS			
REVISED	NB+C			
DRAWING NOT TO SCALE. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.		CROWN CASTLE MIAMI 14 INCH POLE III MIAMI, FL		
TOLERANCES: DECIMALS: .X ±0.1    XIX ± 1/16 .XX ±0.03 .XXX ±0.01 ANGLES ±5°		<b>ASSEMBLY - ELEVATIONS</b>	SHEET #	REVISION
ALL BENDING TOLERANCES: ± 1.0°			<b>S3</b>	<b>B</b>
THIRD ANGLE PROJECTION		RAYCAP #CC20-00029W-05R0		DATE: 06/05/2025
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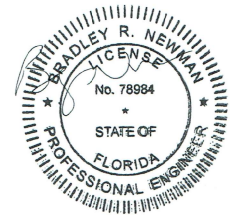


**FOUNDATION NOTES:**

1. ALL CONCRETE SHALL USE TYPE II PORTLAND CEMENT AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. CONCRETE SHALL BE AIR ENTRAINED (6± 1.5%) CONCRETE SHALL HAVE A MAXIMUM WATER/CEMENT RATION OF 0.50, CONCRETE SHALL HAVE A SLUMP OF 5" (±1). ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH "THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" ACI 318-14. FOUNDATION INSTALLATION SHALL BE IN ACCORDANCE WITH ACI 336, "STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF DRILLED PIERS" LATEST EDITION.
2. REINFORCING STEEL SHALL CONFORM WITH THE REQUIREMENTS OF ASTM A-615, GRADE 60. ALL REINFORCING DETAILS SHALL CONFORM TO "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" ACI 315, LATEST EDITION, UNLESS DETAILED OTHERWISE IN THIS DRAWING.
3. INSTALLATION OF DRILLED PIERS SHALL BE OBSERVED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER FIRM. GEOTECHNICAL ENGINEER SHALL PROVIDE A NOTICE OF INSPECTION FOR THE BUILDING INSPECTOR FOR REVIEW AND RECORD PURPOSES.
4. ANCHOR RODS SHALL CONFORM W/ ATSM F1554 GR. 105 GALVANIZED U.N.O.

135° HOOK TIES TO ENGAGE VERTICAL REBAR

135° HOOK TO BE 3" MINIMUM LENGTH



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DRAWN	DSP	<b>Raycap</b> 7555-A PALMETTO COMMERCE PARKWAY NORTH CHARLESTON, SC 29420 USA
DESIGNED	ARS	
REVISED	NB+C	
DRAWING NOT TO SCALE. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.		CROWN CASTLE MIAMI 14 INCH POLE III MIAMI, FL
TOLERANCES: DECIMAL: X ±0.1 FRACTIONAL: XX ±1/16 .XX ±0.03 .XXX ±0.01 ANGLES ±5°		
ALL BENDING TOLERANCES: ± 1.0°		FOUNDATION DETAILS
THIRD ANGLE PROJECTION		
		SHEET # <b>S4</b>
RAYCAP #CC20-00029W-05R0		REVISION <b>B</b>
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