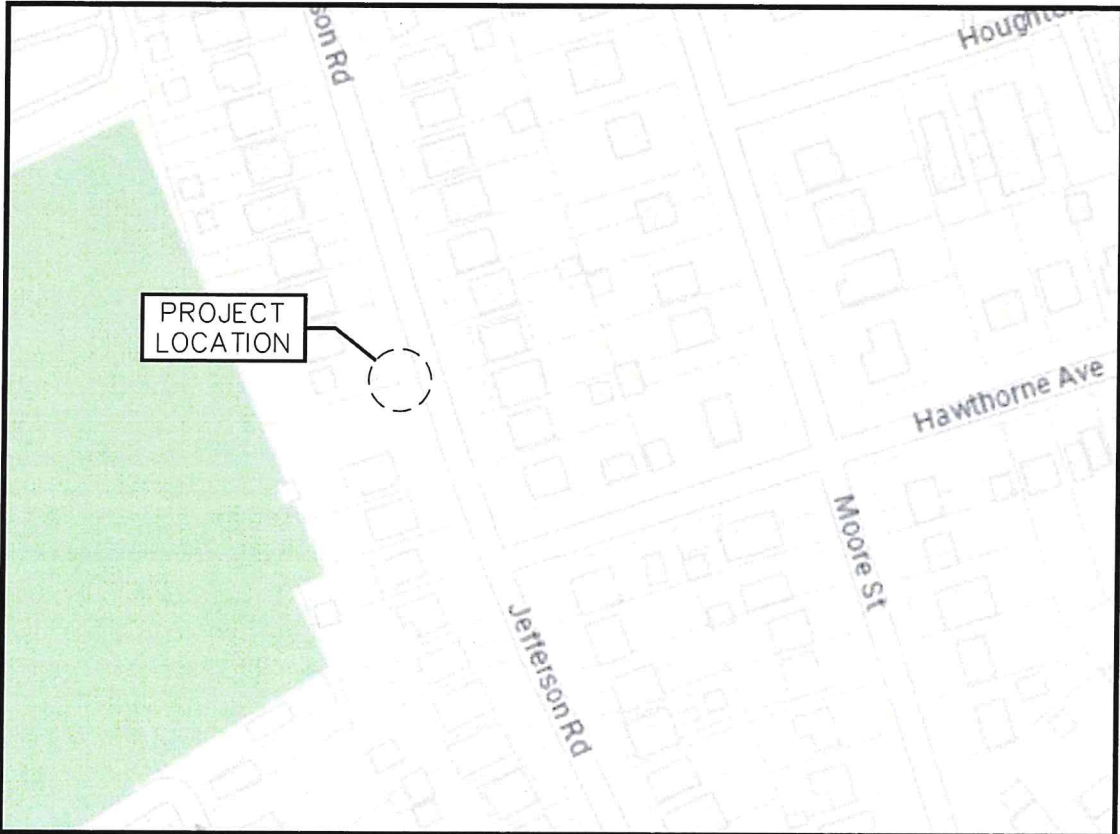




Crown Castle Fiber LLC
70 Jefferson Rd.
Jurisdiction: Municipality of Princeton
Proposed Small Cell Site

INDEX TO SHEETS	
DWG #	DRAWING TITLE
1	COVER SHEET
2	PROPOSED POLE CONFIGURATION
3	PROPOSED POLE LOCATION PHOTOS (N&S)
4	PROPOSED POLE LOCATION PHOTOS (E&W)
5	PROPOSED EQUIPMENT DETAILS
6	PROPOSED ANTENNA & RADIO DETAILS
7	WIRING DIAGRAM
8	DISCONNECT BOX
9	UNDERGROUND UTILITY NOTES
10	UNDERGROUND UTILITY PLAN
11	UNDERGROUND ROUTING DETAILS



NOT TO SCALE

LOCATION MAP

Latitude: 40.35554000°N
Longitude: -74.65793000°W
Block: 22.01, Lot 9



NOT TO SCALE

NODE PLACEMENT

70 Jefferson Rd.
Proposed Crown wood pole
On the West side of
Jefferson Rd. North of Hawthorne Ave.
Pole ID: TBD



Know what's below.
Call before you dig.



Peter J. Tardy
PETER J. TARDY, P.E.
NEW JERSEY PROFESSIONAL ENGINEER
DATE: 08/11/2025
NJ LIC. NO. 41990



TITLE:
Crown Castle Fiber LLC
70 JEFFERSON ROAD
PRINCETON, NJ
JURISDICTION: MUNICIPALITY OF PRINCETON

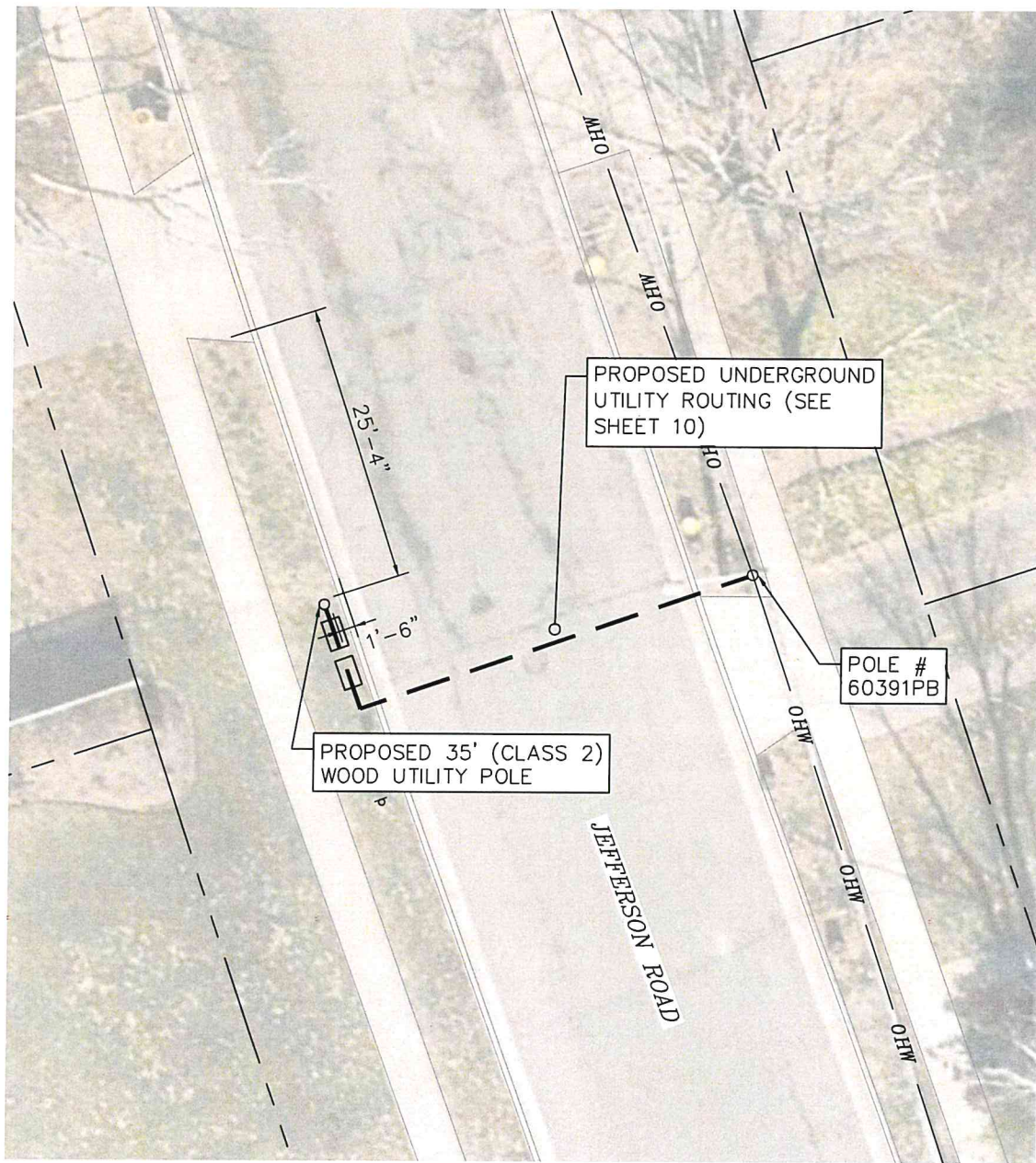
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DRAWN BY:	CHECKED BY:	APPROVED BY:
D.R.	A.R.C.	P.J.T.

PROJECT NUMBER:	2438C.125.009
NODE ID:	PRC-069
SCU # / CASCADE ID:	528026/PH6026BA_31LAB
DATE DRAWN:	09/13/2023

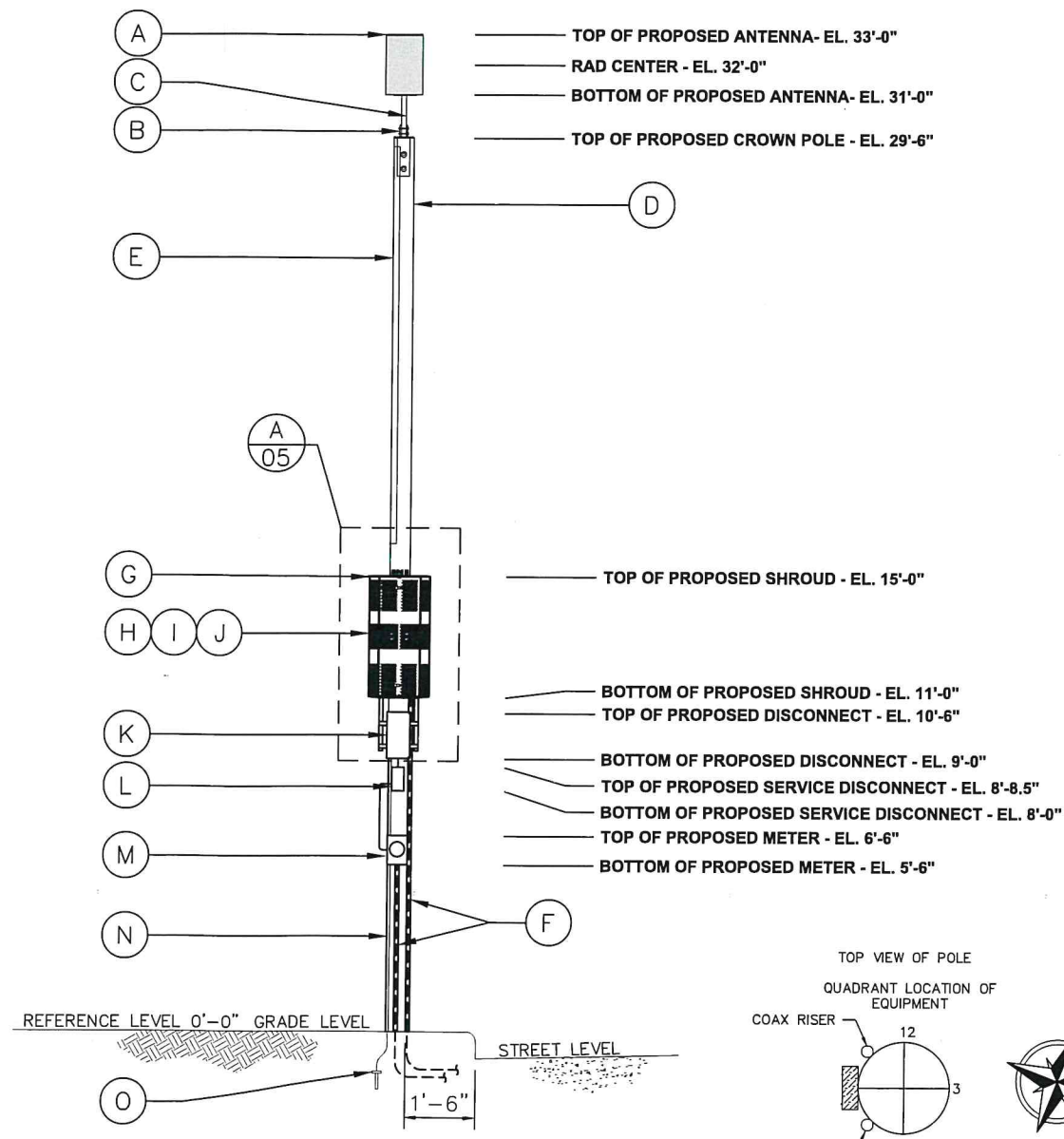
SHEET:
1 of 11

NOTES:
POINT OF CONTACT FOR POWER AND
TELCO TO BE DETERMINED PENDING
UTILITY COORDINATION.



PROPOSED POLE LOCATION

NOT TO SCALE

PROPOSED POLE DETAIL
LOOKING NORTHWEST

- A. PROPOSED ANTENNA:
(1) AMPHENOL 2C6U2VT360X06Fwxy4
24.0"x14.6" (HxD) - 28.0 LBS
- B. INSTALL ANTENNA MOUNTING BRACKET
- C. INSTALL POLE TOP MOUNT
- D. INSTALL NEW 35' CLASS 2 WOOD UTILITY POLE
TOP HEIGHT = 29'-6" (AGL)
- E. INSTALL 2" PVC RISER U-GUARD:
PROPOSED #4 AWG GROUND WIRE AND COAX/FIBER CABLES
TO BE ROUTED WITHIN
- F. INSTALL 3" PVC SCH. 80 POWER RISER CONDUIT FROM METER
TO PULLBOX. INSTALL 2" PVC SCH. 80 FIBER RISER CONDUIT
FROM SHROUD TO PULLBOX.
- G. INSTALL SHROUD CABINET:
RAYCAP RACS-235418-C35
48.0"x24.0"x24.0" (HxWxD) - 433 LBS
INTERNAL ERICSSON COMPONENTS TO BE INSTALLED:
OAD-9-5, PSU AC 08, & FRONTHAUL 6585
EQUIPMENT COLOR: BROWN
TO BE THRU-BOLTED TO POLE
- H. INSTALL RADIO UNIT WITHIN NEW SHROUD CABINET:
(1) ERICSSON RADIO 4455 B2/B25 B66A
31.3"x10.9"x5.9" (HxWxD) - 67.2 LBS
- I. INSTALL RADIO UNIT WITHIN NEW SHROUD CABINET:
(1) ERICSSON RADIO 8863 B41 W/FAN
18.1"x14.8"x5.7" (HxWxD) - 50.9 LBS
- J. INSTALL DIPLEXER WITHIN NEW SHROUD CABINET:
(1) KAEUS DBCT156F1V12-1
4.33"x9.41"x3.51" (HxWxD) - 9.7 LBS
- K. INSTALL 100A DISCONNECT:
(1) RAYCAP RSD-FWC-Z16MS-21NN
18.25"x9.10"x6.05" (HxWxD) - 23.6 LBS
EQUIPMENT COLOR: BROWN
TO BE MOUNTED BELOW EQUIPMENT SHROUD
- L. INSTALL SERVICE DISCONNECT:
(1) SQUARE D Q02-4L70RB
9.37"x4.88" (HxW) 5.05 LBS
EQUIPMENT COLOR: BROWN
TO BE MOUNTED BELOW 100A DISCONNECT
- M. INSTALL POWER METER:
(1) MILBANK U8569-YL-PSE&G-DES
11.5"x6.0"x3.3" (HxWxD)
EQUIPMENT COLOR: BROWN
TO BE MOUNTED BELOW 100A DISCONNECT
- N. INSTALL 1" PVC U-GUARD:
PROPOSED #4 AWG GROUND WIRE ROUTED WITHIN
- O. INSTALL 8' GROUND ROD

Peter J. Tardy 08/11/2025
PETER J. TARDY, P.E. DATE
NEW JERSEY PROFESSIONAL ENGINEER NJ LIC. NO. 41990
ENGINEER:
FPA FRENCH & PARRELLO ASSOCIATES
Camden Office:
2 Riverside Drive, Suite 503
Camden, New Jersey 08101
609.862.1582
FPAengineers.com
New Jersey New York Pennsylvania Georgia

OWNER/DEVELOPER:

CROWN CASTLE
The Foundation for a Wireless World.

TITLE:

Crown Castle Fiber LLC
70 JEFFERSON ROAD
PRINCETON, NJ
JURISDICTION: MUNICIPALITY OF PRINCETON

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D.R. A.R.C. P.J.T.

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SHEET:



PROPOSED POLE PHOTO
LOOKING NORTH



PROPOSED POLE PHOTO
LOOKING SOUTH

Peter J. Tardy 08/11/2025
PETER J. TARDY, P.E. DATE
NEW JERSEY PROFESSIONAL ENGINEER NJ LIC. NO. 41990

ENGINEER:
FPA
FRENCH & PARRELLO
ASSOCIATES
Camden Office:
2 Riverside Drive, Suite 503
Camden, New Jersey 08101
609.862.1552
FPAengineers.com
New Jersey • New York • Pennsylvania • Georgia

OWNER/DEVELOPER:
CC CROWN
CASTLE
The Foundation for a Wireless World.

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PROPOSED POLE PHOTO
LOOKING EAST



PROPOSED POLE PHOTO
LOOKING WEST

Peter J. Tardy 08/11/2025
PETER J. TARDY, P.E. DATE
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FPA
FRENCH & PARRELLO
ASSOCIATES
Camden Office:
2 Riverside Drive, Suite 503
Camden, New Jersey 08101
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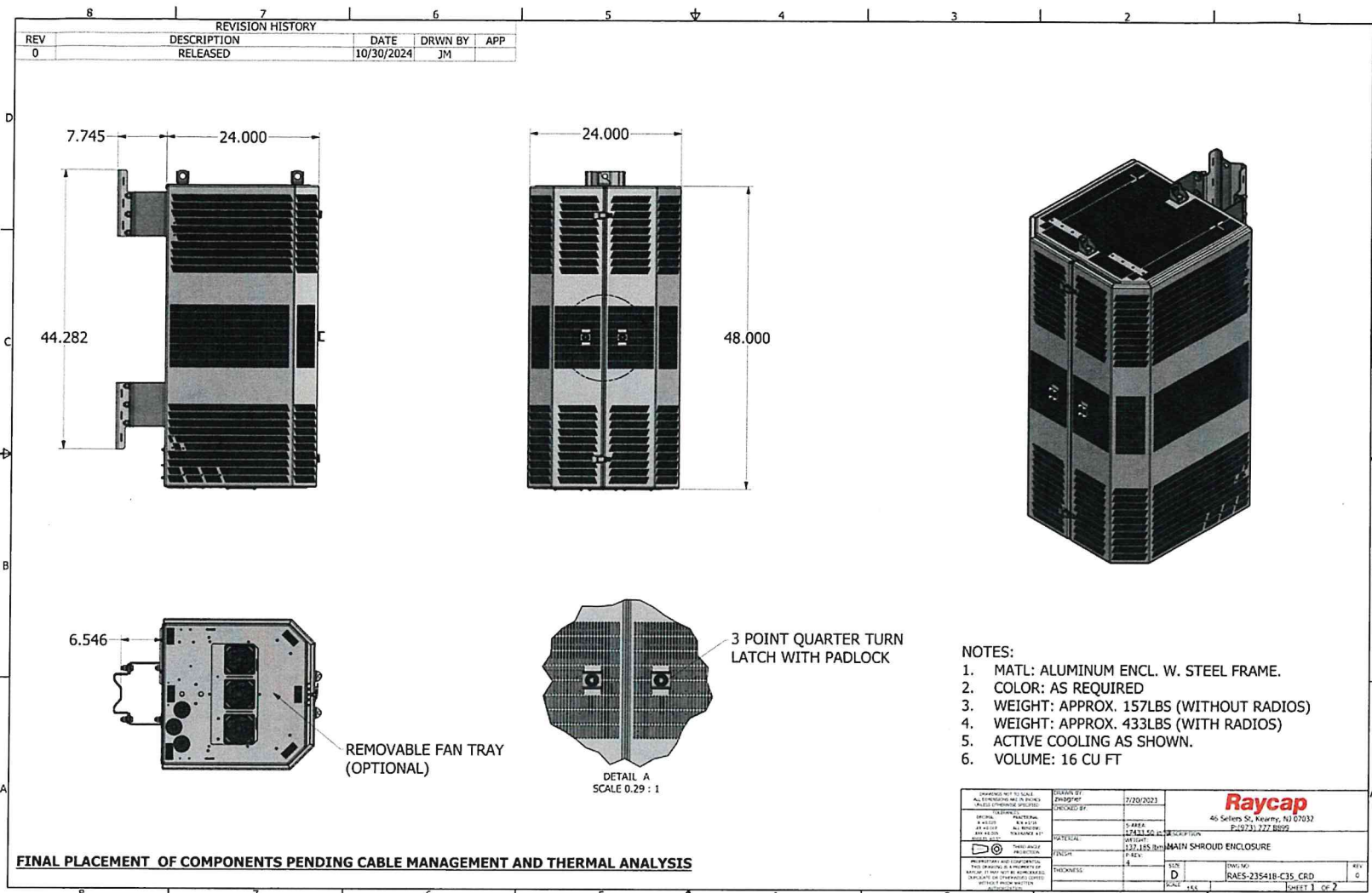
OWNER/DEVELOPER:
CC **CROWN**
CASTLE
The Foundation for a Wireless World.

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Crown Castle Fiber LLC
70 JEFFERSON ROAD
PRINCETON, NJ
JURISDICTION: MUNICIPALITY OF PRINCETON

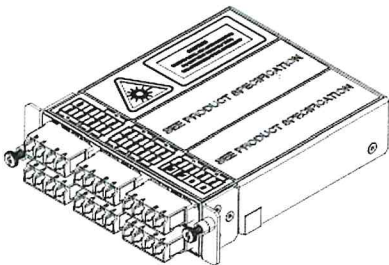
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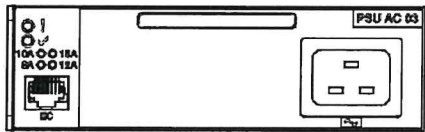
DETAIL A
RAYCAP RAES-235418-C35
SHROUD



MECHANICAL SPECIFICATIONS:

HEIGHT: 1.1 IN.
WIDTH: 4.7 IN.
DEPTH: 4.6 IN.
WEIGHT: 0.66 LBS.

ERICSSON
OAD-9-S



MECHANICAL SPECIFICATIONS:

HEIGHT: 2.72 IN.
WIDTH: 10.79 IN.
DEPTH: 7.09 IN.
WEIGHT: 11.5 LBS.

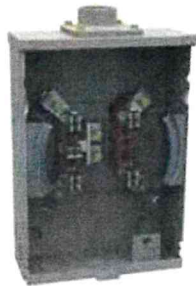
ERICSSON
PSU AC 08



MECHANICAL SPECIFICATIONS:

HEIGHT: 9.63 IN.
WIDTH: 5.12 IN.
DEPTH: 1.50 IN.
WEIGHT: 1.54 LBS.

ERICSSON
FRONTHAUL 6585



MECHANICAL SPECIFICATIONS:

HEIGHT: 11.5 IN.
WIDTH: 8.0 IN.
DEPTH: 3.3 IN.

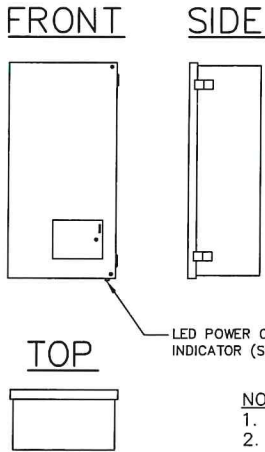
MILBANK U8569-YL-PSEG-DES
METER PAN



MECHANICAL SPECIFICATIONS:

HEIGHT: 9.37 IN.
WIDTH: 4.88 IN.
WEIGHT: 5.05 LBS.

SQUARE D Q02-4L70RB
DISCONNECT



NOTES:

1. NEMA 4 RATED, UL LISTED
2. CONTRACTOR SHALL ORDER BROWN ENCLOSURE COLOR TO MATCH EXISTING/PROPOSED STRUCTURE

MECHANICAL SPECIFICATIONS:

HEIGHT: 18.25 IN.
WIDTH: 9.10 IN.
DEPTH: 6.05 IN.
WEIGHT: 23.6 LBS.

RAYCAP RSD-FMC-Z16MS-21NN
DISCONNECT

Peter J. Tardy
PETER J. TARDY, P.E.
NEW JERSEY PROFESSIONAL ENGINEER
DATE: 08/11/2025
NJ LIC. NO. 41990

FPA
FRENCH & PARRELLO
ASSOCIATES
New Jersey New York Pennsylvania Georgia

Camden Office:
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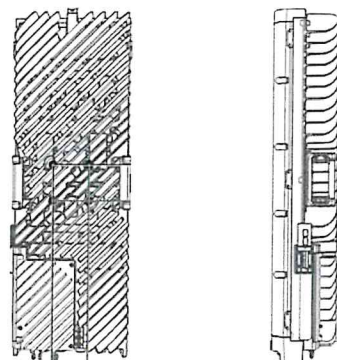
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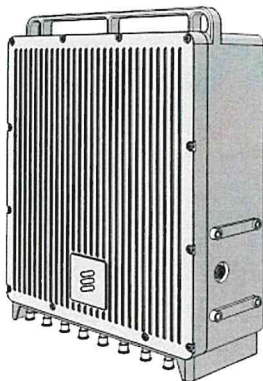
DRAWN BY: D.R. CHECKED BY: A.R.C. APPROVED BY: P.J.T.

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DATE DRAWN: 09/13/2023
SHEET: 5 of 11



MECHANICAL SPECIFICATIONS:
HEIGHT: 31.3 IN.
WIDTH: 10.9 IN.
DEPTH: 5.9 IN.
WEIGHT: 67.2 LBS.

ERICSSON
RADIO 4455 B2/B25 B66A



MECHANICAL SPECIFICATIONS:
HEIGHT: 18.1 IN.
WIDTH: 14.8 IN.
DEPTH: 5.7 IN.
WEIGHT: 50.9 LBS.

ERICSSON
RADIO 8863 B41 W/FAN



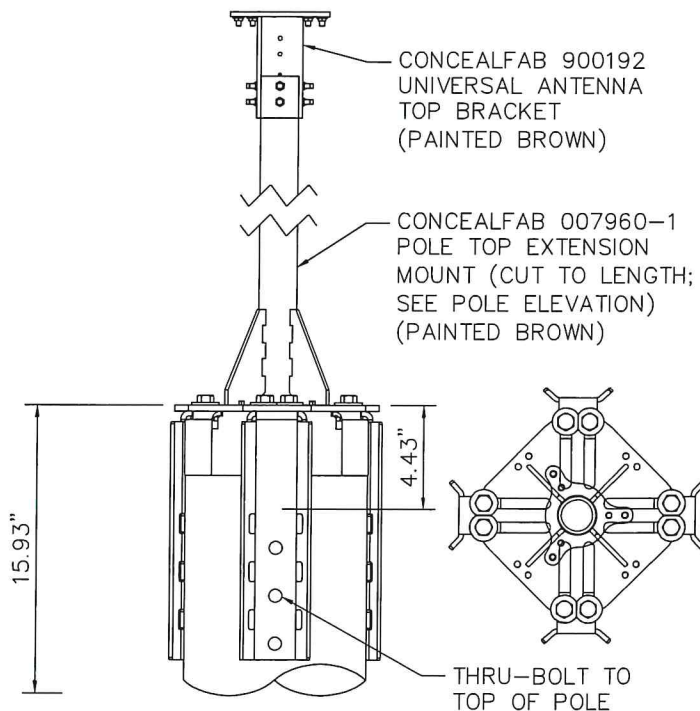
MECHANICAL SPECIFICATIONS:
HEIGHT: 4.33 IN.
WIDTH: 9.41 IN.
DEPTH: 3.51 IN.
WEIGHT: 7.9 LBS.

KAELUS
DBCT156F1V12-1 DIPLEXER



MECHANICAL SPECIFICATIONS:
HEIGHT: 24 IN.
DIAMETER: 14.6 IN.
WEIGHT: 28.0 LBS.

AMPHENOL
2C6U2VT360X06Fwxys4
ANTENNA



ANTENNA MOUNTING DETAIL
CONCEALFAB POLE TOP MOUNT

Peter J. Tardy
PETER J. TARDY, P.E.
NEW JERSEY PROFESSIONAL ENGINEER
DATE: 08/11/2025
NJ LIC. NO. 41990
ENGINEER:
FPA
FRENCH & PARRELLO
ASSOCIATES
Camden Office:
2 Riverside Drive, Suite 503
Camden, New Jersey 08101
609.862.1582
FPAengineers.com
New Jersey New York Pennsylvania Georgia

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The Foundation for a Wireless World.

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SHEET:	6 of 11

Scenario Name:-
Scenario 048

Project:-
Trenton, NJ

Designed by:-
Prashant Patel

Customer:-
T-Mobile

Date Created:-
04/13/2023

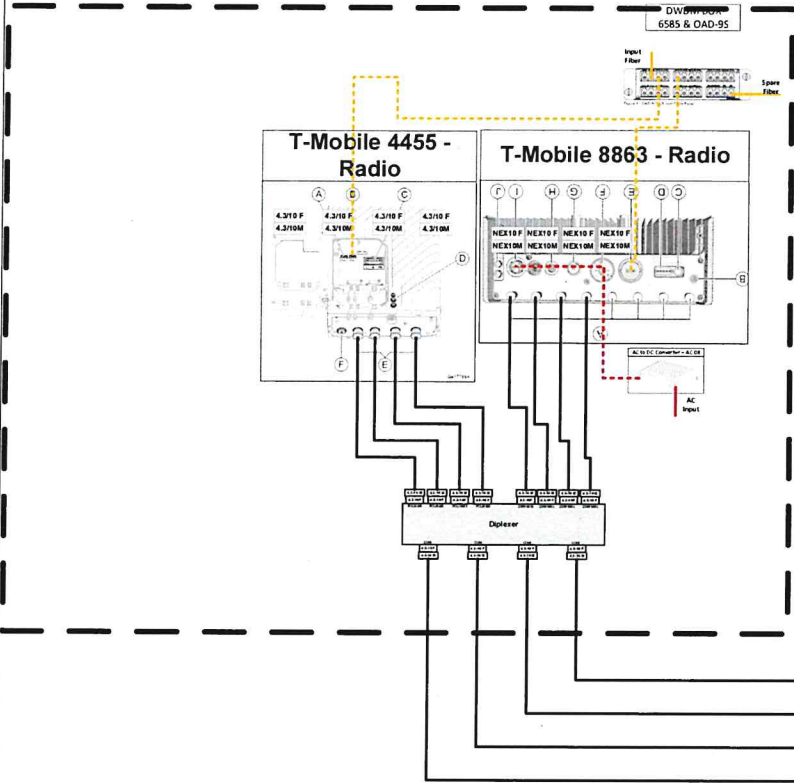
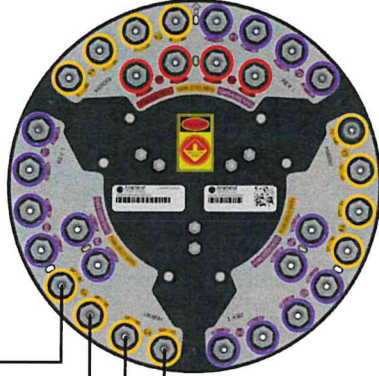
Revision:-
1

Cluster Name:-
Philly County

Sheet:-
048



New Antenna



Carrier	Band (MHz)	Band Color	Color	Description	Path 1	Path 2	Comments
Verizon	700		1x Red	Brown	Brown/Brown		
	850		2x Red	Brown	Brown/Brown		Alternatively named Cellular Band
	1900		3x Red	Brown	Brown/Brown		Alternatively named PCS Band
	2100		4x Red	Brown	Brown/Brown		Alternatively named AWS or 1700 Band
AT&T	700		1x Blue	Brown	Brown/Brown		
	850		2x Blue	Brown	Brown/Brown		Alternatively named Cellular Band
	1900		3x Blue	Brown	Brown/Brown		Alternatively named PCS Band
	2100		4x Blue	Brown	Brown/Brown		Alternatively named AWS or 1700 Band
T-Mobile	700		1x Green	Brown	Brown/Brown		
	850		2x Green	Brown	Brown/Brown		Alternatively named PCS Band
	1900		3x Green	Brown	Brown/Brown		Alternatively named AWS or 1700 Band
	2100		4x Green	Brown	Brown/Brown		Alternatively named AWS or 1700 Band
Metro	700		1x Yellow	Brown	Brown/Brown		
	850		2x Yellow	Brown	Brown/Brown		Alternatively named Cellular Band
	1900		3x Yellow	Brown	Brown/Brown		Alternatively named PCS Band
	2100		4x Yellow	Brown	Brown/Brown		Alternatively named AWS or 1700 Band
Sprint	700		1x Yellow	Brown	Brown/Brown		
	850		2x Yellow	Brown	Brown/Brown		Alternatively named Cellular Band
	1900		3x Yellow	Brown	Brown/Brown		Alternatively named PCS Band
	2100		4x Yellow	Brown	Brown/Brown		Alternatively named AWS or 1700 Band

FREQUENCY	ARRAY	CONNECTOR	CONNECTOR TYPE	FREQUENCY	ARRAY	CONNECTOR	CONNECTOR TYPE
3300-4200 MHz	P1	17-18	(2x) 4.3-10 Female	696-960 MHz	R1	1-2	(2x) 4.3-10 Female
3300-4200 MHz	P2	19-20	(2x) 4.3-10 Female	696-960 MHz	R2	3-4	(2x) 4.3-10 Female
3300-4200 MHz	P3	21-22	(2x) 4.3-10 Female	1695-2700 MHz	Y1	5-6	(2x) 4.3-10 Female
3300-4200 MHz	P4	23-24	(2x) 4.3-10 Female	1695-2700 MHz	Y2	7-8	(2x) 4.3-10 Female
3300-4200 MHz	P5	25-26	(2x) 4.3-10 Female	1695-2700 MHz	Y3	9-10	(2x) 4.3-10 Female
3300-4200 MHz	P6	27-28	(2x) 4.3-10 Female	1695-2700 MHz	Y4	11-12	(2x) 4.3-10 Female
3300-4200 MHz	P7	29-30	(2x) 4.3-10 Female	1695-2700 MHz	Y5	13-14	(2x) 4.3-10 Female
3300-4200 MHz	P8	31-32	(2x) 4.3-10 Female	1695-2700 MHz	Y6	15-16	(2x) 4.3-10 Female

Peter J. Tardy
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NEW JERSEY PROFESSIONAL ENGINEER
DATE: 08/11/2025
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ENGINEER:

FPA
FRENCH & PARRELLO
ASSOCIATES

Camden Office:
2 Riverside Drive, Suite 503
Camden, New Jersey 08101
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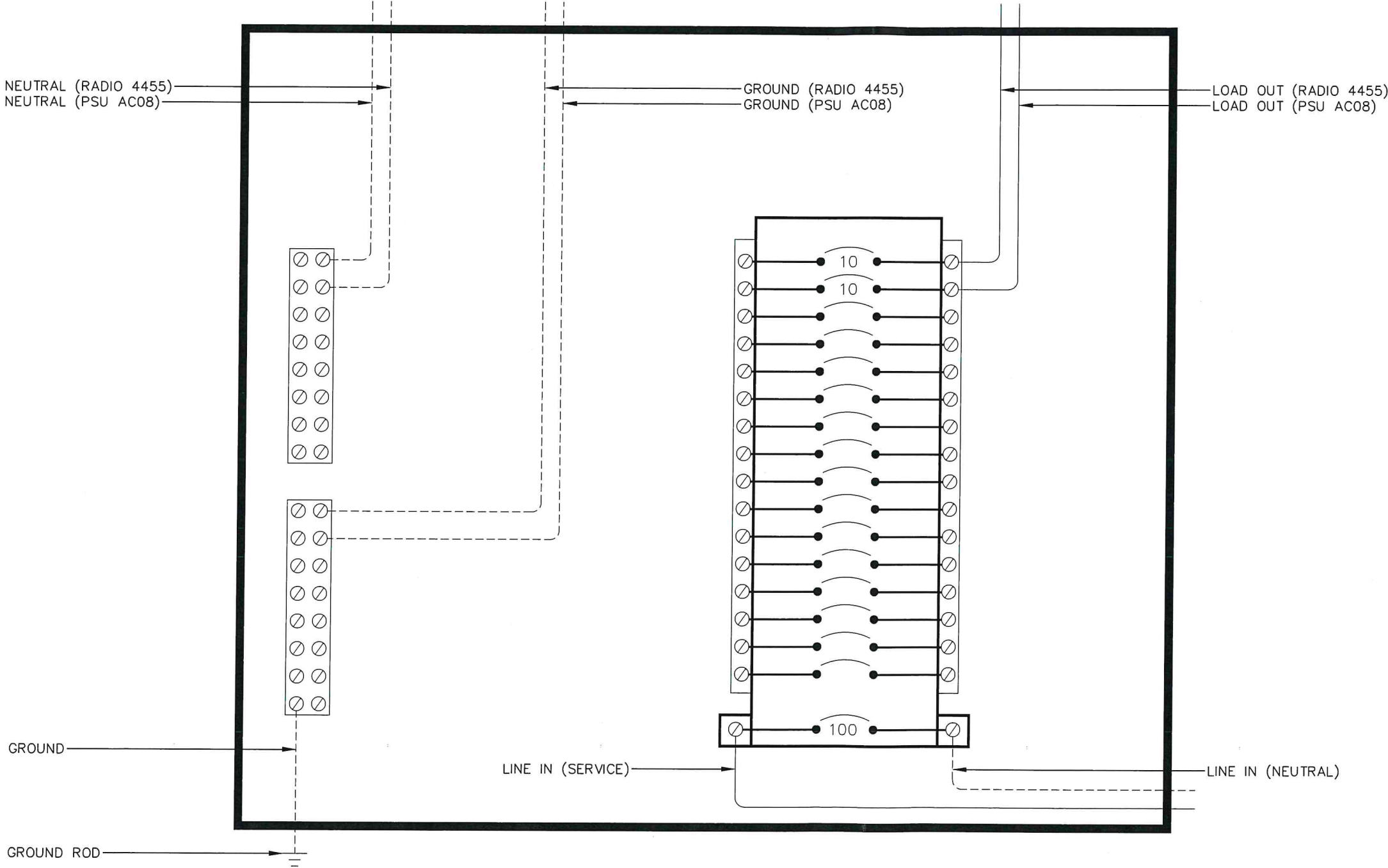
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FPA
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GENERAL CONSTRUCTION NOTES

- CONTACT "NJ ONE CALL" SYSTEM FOR UNDERGROUND UTILITY LOCATES, 72 HOURS PRIOR TO CONSTRUCTION
NJ PHONE NO.: 1-800-272-1000
- CONTRACTOR TO FOLLOW ALL OSHA, LOCAL, STATE, AND BUILDING CODES
- CONTRACTOR TO VERIFY ALL DIMENSIONS & MATERIALS REQUIRED
- MAINTAIN A MINIMUM 6' SWEEP ON ALL CONDUIT BENDS
- PLACE PULL ROPES IN ALL CONDUIT & INNERDUCTS
- CONTRACTOR MUST CLEAN UP WORK AREAS AT THE END OF EACH WORK DAY & REMOVE TRASH & DEBRIS FROM WORK SITE
- CONTRACTOR WILL GROUT & SEAL ALL BUILDING ENTRANCES WITH APPROVED MATERIALS
- PLACE BUSHINGS ON ALL CONDUIT ENDS FOR CABLE PROTECTION
- PLACE TRIPLEX DUCT PLUG & BLANK DUCT PLUGS AT BUILDING ENTRANCE CONDUITS
- CONTRACTOR IS RESPONSIBLE FOR THE REPAIR/REPLACEMENT OF DAMAGED FACILITIES AND/OR PROPERTY
- ALL DISTURBED SURFACES WILL BE RESTORED TO ORIGINAL OR BETTER CONDITION
- ALL WORK TO BE PERFORMED PER CONSTRUCTION SPECIFICATIONS UNLESS OTHERWISE DIRECTED BY CROWN CASTLE
- THE CONTRACTOR WILL PROVIDE AS-BUILT RECORDS TO BE GIVEN TO MANAGEMENT UPON COMPLETION OF CONSTRUCTION
- CONTRACTOR TO COMPLY WITH TRAFFIC CONTROL PLAN AS PER NJDOT. USE APPROPRIATE ATTACHMENT
- CONTRACTOR TO BOND CABLE SUPPORT STRAND WITH #6 AWG SOLID COPPER CONDUCTOR AT ALL POWER VDL(S)
- CONTRACTOR TO ENSURE THAT ALL FLOOR/WALL PENETRATIONS ARE SEALED WITH APPROVED FIRESTOP

GENERAL CONTRACTOR UNDERGROUND UTILITY AVOIDANCE NOTES

- GENERAL CONTRACTOR IS RESPONSIBLE TO FOLLOW ALL FEDERAL & STATE STATUTES AND REGULATIONS; INDUSTRY BEST PRACTICES; BUILDING AND FIRE CODES; GENERAL CONTRACTOR LICENSES; AND LOCAL LAWS, REGULATION & ORDINANCES. IN THE EVENT A CONFLICT EXISTS BETWEEN THESE REGULATIONS AND THIS DOCUMENT, THE REGULATIONS SHALL CONTROL THE GENERAL CONTRACTORS ACTIONS.
- AT MINIMUM, WHEN NOT IN CONFLICT WITH FEDERAL, STATE, AND LOCAL STATUTES, THE GENERAL CONTRACTOR SHALL FOLLOW THE "COMMON GROUND ALLIANCE (CGA) BEST PRACTICES VERSION 17.0 MANUAL OR LATEST - THE DEFINITIVE GUIDE FOR UNDERGROUND SAFETY & DAMAGE PREVENTION" RECOMMENDATIONS.
- GENERAL CONTRACTOR SHALL PREPARE AN EMERGENCY RESPONSE PLAN, INCLUDING APPROPRIATE CONTACT INFORMATION, ONE-CALL TICKET DETAILS, AND IMMEDIATE CONTACTING DETAILS, IN EVENT OF UNDERGROUND UTILITY DAMAGE, IS AVAILABLE AT THE INSTALLATION SITE.
- GENERAL CONTRACTOR SHALL TAKE NECESSARY MEASURES TO ENSURE ALL ELECTRICAL STRIKE SYSTEMS ARE IN PLACE, IF APPLICABLE, AND HAS BRIEFED THE INSTALLATION CREW ON THE GENERAL CONTRACTORS ELECTRICAL AND GAS LINE STRIKE PROCEDURES EACH DAY PRIOR TO WORK COMMENCING.
- GENERAL CONTRACTOR SHALL WHITE LINE THE PROPOSED CONSTRUCTION ROUTE PRIOR TO CONTACTING THE UTILITY ONE-CALL SYSTEM.
- GENERAL CONTRACTOR SHALL IDENTIFY, PRIOR TO WORK COMMENCEMENT, A COMPETENT PERSON ON THE WORK CREW WHO IS CAPABLE OF IDENTIFYING HAZARDS AND HAS THE AUTHORIZATION TO TAKE PROMPT CORRECTIVE MEASURES, INCLUDING STOP WORK AUTHORITY, TO ELIMINATE THEM, AND SHALL BE ON SITE AT ALL TIMES.
- GENERAL CONTRACTOR SHALL CONTACT THE ONE-CALL FACILITY FOR EXISTING UTILITY LOCATES AS REQUIRED BY LAW AND PRESERVE ALL MARKS UNTIL THE PROJECT IS COMPLETED AND REFRESH THE ONE-CALL IF REQUIRED BY STATE OR JURISDICTIONAL REQUIREMENTS.
- FOR PROJECTS WITH HIGH PRIORITY UTILITIES, OR ANY UNUSUAL OR COMPLEX CONSTRUCTION, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRE-EXCAVATION MEETING WITH THE AFFECTED UTILITIES AND/OR THEIR DESIGNATED LOCATING COMPANY TO DISCUSS THE PROJECT. HIGH PRIORITY UTILITIES SHALL INCLUDE, BUT NOT LIMITED TO, HIGH-PRESSURE GAS LINES, HIGH-VOLTAGE ELECTRIC LINES, MAJOR PIPELINES, MAJOR WATER LINES, AND HIGH CAPACITY FIBER OPTIC LINES.
- THE GENERAL CONTRACTOR SHALL ENSURE ANY UTILITIES IDENTIFIED FOR LOCATING WHICH ARE NOT MARKED ON THE GROUND HAVE PROVIDED POSITIVE CONFIRMATION NO CONFLICT EXISTS. IF THERE IS A LACK OF POSITIVE CONFIRMATION, THE GENERAL CONTRACTOR MUST RE-CALL THE ONE-CALL CENTER OR RELEVANT UTILITY DIRECTLY FOR CONFIRMATION.
- IN THE EVENT A UTILITY CANNOT BE LOCATED, WHERE POSITIVE CONFIRMATION IS NOT RECEIVED, OR WHERE THERE IS A LIKELIHOOD OF UNDOCUMENTED UTILITIES, SUCH AS PRIVATE INFRASTRUCTURE, THE GENERAL CONTRACTOR SHALL TAKE THE STEP OF SYSTEMATICALLY UTILIZING A GROUND PENETRATING RADAR (GPR) SYSTEM OR SIMILAR ADVANCED LOCATING TECHNOLOGY WITHIN THE TOLERANCE ZONE TO IDENTIFY AND DOCUMENT ANY UTILITIES WITHIN THE CONSTRUCTION ZONE. ANY UTILITY LOCATED USING GPR SHALL BE PROPERLY LOCATED AND EXPOSED AS OUTLINED WITHIN THIS STANDARD PRIOR TO DIGGING.
- THE GENERAL CONTRACTOR SHALL INSPECT THE AREA PRIOR TO INSTALLATION FOR ANY UNDERGROUND UTILITY INFRASTRUCTURE WHICH MAY HAVE BEEN MISSED BY SURVEYING THE CONSTRUCTION AREA AND SURROUNDING ENVIRONMENT FOR CLEANOUTS, SUNKEN AREAS, RISERS, OUTBUILDINGS, LIGHT POLES, METERS, UTILITY BOXES, PEDESTALS, MANHOLE COVERS, MARKERS, ETC. PARTICULAR ATTENTION SHOULD BE MADE TO IDENTIFY SERVICE FEEDS FROM BUILDINGS AND HOMES THAT ARE MARKED.
- THE GENERAL CONTRACTOR SHALL CONTACT ANY UTILITY WHERE LOCATES ARE IN QUESTION AND/OR UNVERIFIED. NO ASSUMPTIONS SHOULD BE MADE ON LOCATION OR DEPTH OF EXISTING UTILITIES.
- THE GENERAL CONTRACTOR, AT A MINIMUM, SHALL TAKE AND STORE A PHOTO SERIES TO BE SUBMITTED WITH THE CLOSE OUT PACKAGE OF ALL EXCAVATION AREAS ONCE LOCATES ARE COMPLETE AND PRIOR TO EXCAVATION.
- GENERAL CONTRACTOR SHALL MEET ALL FEDERAL, STATE AND LOCAL REGULATIONS REGARDING WORKER SAFETY AND TRAINING WHEN WORKING AROUND UNDERGROUND FACILITIES.
- GENERAL CONTRACTOR SHALL VISUALLY EXPOSE (POT-HOLE) ALL EXISTING UTILITIES CROSSING THE TOLERANCE ZONE AND SHALL POSITIVELY IDENTIFY THEIR LOCATION AND DEPTH USING APPROPRIATE TECHNIQUES WITHIN THE TOLERANCE ZONE.
- GENERAL CONTRACTOR SHALL VISUALLY EXPOSE (POT-HOLE) ALL EXISTING UTILITIES RUNNING PARALLEL WITH THE PROPOSED PATH AT THE APPROPRIATE INTERVALS WITHIN THE TOLERANCE ZONE AND APPROPRIATE BUFFER ZONE. UNLESS MORE STRINGENT REGULATIONS EXIST, THE GENERAL CONTRACTOR SHALL EXPOSE (POT-HOLE) AT MINIMUM ANY PARALLEL UTILITY WITHIN 3' OF THE TOLERANCE ZONE EVERY 25'. AND ANY PARALLEL UTILITY BETWEEN 3' TO 5' OF THE TOLERANCE ZONE EVERY 100'.
- THE TOLERANCE ZONE SHALL BE A MINIMUM OF 30" BEYOND EACH SIDE OF THE INSTALLED PIPE, OR GREATER IF CODE REQUIRES.
- GENERAL CONTRACTOR SHALL USE A DRILL HEAD TRACKING DEVICE WHEN BORING AND TRACK THE DRILL HEAD AT A MINIMUM OF EVERY 5' OR AS REQUIRED BY CODE. A LOG SHALL BE CREATED RECORDING THE LOCATION AND DEPTH AND SUBMITTED WITH THE GENERAL CONTRACTOR AS-BUILT PACKAGE.
- GENERAL CONTRACTOR SHALL ENSURE THESE REQUIREMENTS ARE ENFORCED WITH ALL SUB-CONTRACTORS RETAINED BY THE GENERAL CONTRACTOR.

Peter J. Tardy 08/11/2025
PETER J. TARDY, P.E. DATE
NEW JERSEY PROFESSIONAL ENGINEER NJ LIC. NO. 41990

ENGINEER:



FPA
FRENCH & PARRELLO
ASSOCIATES

Camden Office:
2 Riverside Drive, Suite 503
Camden, New Jersey 08101
609.862.1582

FPAengineers.com

New Jersey New York Pennsylvania Georgia

OWNER/DEVELOPER:



**CROWN
CASTLE**

The Foundation for a Wireless World.

TITLE:

Crown Castle Fiber LLC
70 JEFFERSON ROAD
PRINCETON, NJ
JURISDICTION: MUNICIPALITY OF PRINCETON

REVISIONS		
REV.	DATE	REVISION DESCRIPTION
0	09/13/23	ISSUED FOR REVIEW
1	10/24/23	ISSUED AS FINAL
2	11/14/24	REVISED PER COMMENTS
3	06/27/25	REVISED PER UG ROUTING

DRAWN BY:	CHECKED BY:	APPROVED BY:
D.R.	A.R.C.	P.J.T.

PROJECT NUMBER:	2438C.125.009
NODE ID:	PRC-069
SCU # / CASCADE ID:	528026/PH6026BA_31LAB
DATE DRAWN:	09/13/2023
SHEET:	9 of 11

NOTE:
DRAWING NOT FROM
ACTUAL SITE PLAN
INFORMATION TAKEN
FROM BEST AVAILABLE
RECORDS CONTRACTOR
IS RESPONSIBLE TO
VERIFY ALL DIMENSIONS
AND MATERIAL REQUIRED
FOR CONSTRUCTION.



NOT TO SCALE



UNDERGROUND UTILITY PLAN

Peter J. Tardy 08/11/2025
PETER J. TARDY, P.E. DATE
NEW JERSEY PROFESSIONAL ENGINEER NJ LIC. NO. 41990
ENGINEER:
FPA French & Parrello Associates
Camden Office:
2 Riverside Drive, Suite 503
Camden, New Jersey 08101
609.862.1582
FPAengineers.com
New Jersey New York Pennsylvania Georgia

OWNER/DEVELOPER:
CROWN CASTLE
The Foundation for a Wireless World.

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PRINCETON, NJ
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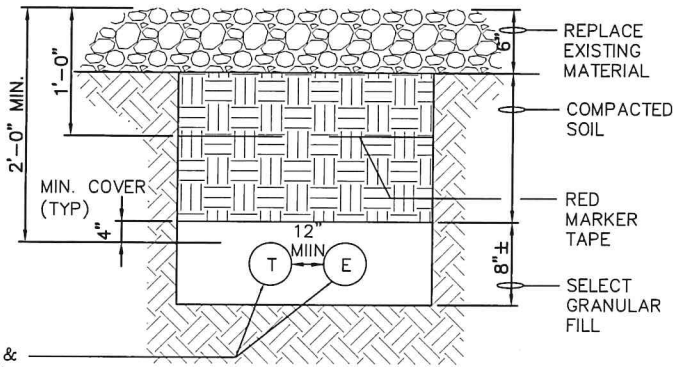
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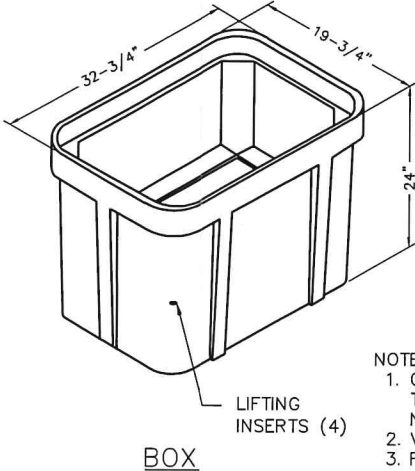
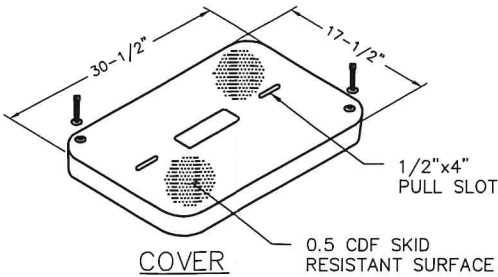
CONTRACTOR TO LOCATE EXISTING UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF NEW UTILITIES. ANY CONFLICTS TO BE REPORTED TO ENGINEER IMMEDIATELY.

(2) SCH.40 PVC ELECTRIC & TELCO CONDUITS WITH PULL STRINGS (REFER TO PLAN) (TYP.)



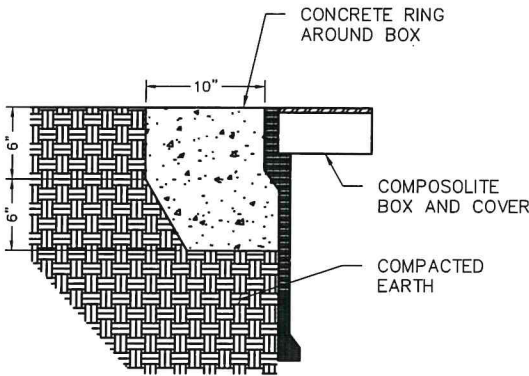
NOTES:

1. REMOVE & HAUL OFF-SITE ALL EXCESS SITE SOIL.
2. RESTORE ALL SURFACES TO ORIGINAL CONDITION.
3. CONDUIT SHALL BE UV-RESISTANT WHERE EXPOSED TO ATMOSPHERE.



NOTES:

1. CONTRACTOR TO ORDER HANDHOLE BOX WITH THE CORRECT NUMBER AND SIZE OF KNOCKOUTS NEEDED.
2. VERIFY DIMENSIONS OF UNIT.
3. FINAL PLACEMENT TO BE DETERMINED IN FIELD

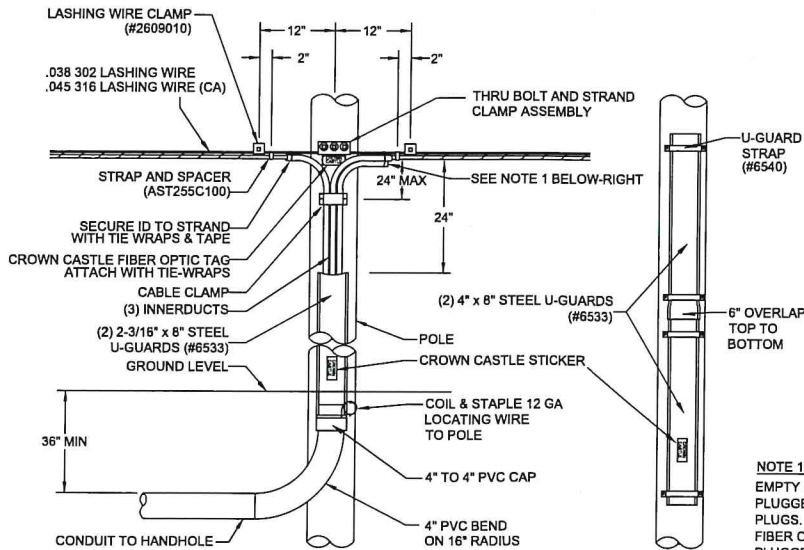


NOTES:

1. CONCRETE ENCASEMENT TO BE 3,000 P.S.I. MINIMUM.
2. CONCRETE ENCASEMENT RING DIMENSION, D, TO BE EQUAL TO DESIGN PAVEMENT DEPTH.
3. QUAZITE DOES NOT RECOMMEND THE USE OF CONCRETE OR POLYMER CONCRETE BOXES IN HIGH VOLUME TRAFFIC APPLICATIONS.

UNDERGROUND ELECTRIC
AND TELCO DUCT BANK

PULL BOX DETAIL



NOTE 1

EMPTY INNERDUCTS ENDS SHALL BE PLUGGED WITH EXPANDABLE JACKMOON PLUGS. INNERDUCTS POPULATED WITH FIBER OPTIC CABLE(S) SHALL BE PLUGGED WITH EXPANDING FOAM.

THIS DETAIL SHOWS A TYPICAL RISER ON A TANGENT AERIAL POLE. THOUGH SHOWN ON THE ROAD SIDE OF THE POLE, WHENEVER POSSIBLE, THE ACTUAL RISER SHALL BE ON THE SIDE OF THE POLE OPPOSITE THE DIRECTION OF TRAVEL OF VEHICULAR TRAFFIC.

TYPICAL TANGENT RISER
POLE DETAIL

Peter J. Tardy
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