Historic Preservation Commission

Members:
Dr. Stephen Gibson – Chairperson
Ms. Suzanne Wright – Vice Chairperson
Mr. Tim Hoffman – Secretary
Mr. Larry Jackson
Mr. Chris Myers
Dr. Michael Garrett
Lincoln Wilkins. Jr. PhD
Councilwoman Laurie Marchini
Staff Liaison: Kathy McKenney, Historic Planner/Preservation Coordinator

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AGENDA

HPC Meeting
Cumberland City Hall, Council Chambers

DATE: November 10, 2021
TIME: 4:00 PM

APPROVAL OF MINUTES

1. Review of October 13, 2021 Meeting Minutes

PUBLIC COMMENT

CERTIFICATES OF APPROPRIATENESS

2. 619 Washington Street - RCA21-000014 - Removing/widening asphalt driveway and pouring an exposed aggregate concrete - Carolyn Neely representative

CERTIFICATES OF APPROPRIATENESS

3. 617 Washington Street - COA21-000028 - Replacement of existing roof - Lisa Castleman, applicant
4. 135 Mechanic Street - COA21-000030 - Antennae/Radio to existing cell tower - USCOC of Cumberland LLC, applicant - *Typically an Administrative Review*
5. 532 Washington Street - COA21-000031 - Removing asphalt driveway and replacing with granite cobblestones - DNA Lawn and Landscaping LLC., representative

OTHER BUSINESS

6. Staff updates

ADJOURNMENT

If you are unable to attend this meeting, please contact the Department of Community Development at (301) 759-6431 or (301) 759-6442.

Applicants or their appointed representatives must be present at the meeting for a review to take place. Please remember to turn off or silence all electronic devices prior to entering the meeting.

File Attachments for Item:

1. Review of October 13, 2021 Meeting Minutes

City of Cumberland

MINUTES

HISTORIC PRESERVATION COMMISSION

October 13, 2021

The Cumberland Historic Preservation Commission held its regular meeting on Wednesday, September 8, 2021 at 4:00 p.m., within the Council Chambers of City Hall. Members present were Chairperson Dr. Stephen Gibson, Ms. Suzanne Wright, Mr. Chris Myers, Dr. Michael T. Garrett, Dr. Lincoln Wilkins, and Councilwoman Laurie Marchini.

Others in attendance were Mr. Ken Tressler; Acting City Administrator, Terri Hast, Community Services Representative, and Debbie Helmstetter, Codes Technician.

Chairman, Dr. Stephen Gibson, called the meeting to order. He read the following statement into the record: "The Cumberland Historic Preservation Commission exists pursuant to Section 11 of the City of Cumberland Municipal Zoning Ordinance. Members are appointed by the Mayor and City Council and shall possess a demonstrated special knowledge or professional or academic training in such fields as history, architecture, architectural history, planning, archeology, anthropology, curation, conservation, landscape architecture, historic preservation, urban design or related disciplines. The Commission strives to enhance quality of life by safeguarding the historical and cultural heritage of Cumberland. Preservation is shown to strengthen the local economy, stabilize and improve property values, and foster civic beauty. The Cumberland Historic Preservation Commission operates pursuant to State of Maryland 1977 Open Meetings Act and therefore no pending applications shall be discussed between or amongst Commissioners outside the public hearing to determine the disposition of the application."

Chairperson Dr. Stephen Gibson introduced the Commission members present and staff.

APPROVAL OF MINUTES

1. Minutes for September 8, 2021 were approved as written with the conditions listed below: Mr. Tim Hoffman said he name was skipped in paragraph for attendance. *Ms. Suzanne Wright made the motion to approve the minutes with the address change and Dr. Michael Garrett second the motion. All members were in favor; motion approved.*

PUBLIC COMMENT

No comments.

TAX INCENTIVE APPLICATION REVIEW

1. **600 Washington Street** – the Commission is recommending to the Mayor and City Council for the collapse wall repair located on 16 Washington St. Mr. Chris Myers seconded by Dr. Wilkins.

   A question was raised about voting without a project representative and reference made to By-Laws 3.5 reference was also made of By-Laws 6.2.

   A motion was voted on and passed 3 to 2 for the recommendation to the Mayor and City Council. No further discussion was held.

2. **619 Washington Street** – COA21-000029 - Dr. Wilkins commented for the record he was in favor of the original COA, but believes procedural policies involved contain the structural and not what is presented now. No further discussion was held.

   Mr. Myers made a motion to table this review until the November's meeting. All members were in favor to table until the November 13 meeting.

CERTIFICATE OF OPPROPRIATENESS

1. **COA21-000027** - 21 N. Wineow Street – Applicant Vicki Thomas was requesting for a signage change. The Fairfield Inn has changed its logo colors and a slightly different style. All the materials will be in-kind. The T-Mobile sign will be smaller and with LED lighting, which does not have internal lighting it will have down lights. The lights will be installed

in as they are now.

Ms. Wright made the motion to approve the change for 21 N. Wineow Street; "I have studied the application and all other relevant documents and presentation related to this case, and I am familiar with the property in question. She finds that the prospective changes are consistent with the guidelines and criteria found in Chapter 5 of Canal Place Preservation District including the Secretary of Interior's Standards to support consistency with guideline 50: Existing Non-Historic Signs. Dr. Withins seconded the motion; all members were in favor motion approved. Vote was 5-0.

3. ***COA 21-000029*** - 2 Howard Street - Applicant Gary Brent is requesting to change their signage from Sprint to T-Mobil due to a merge. The applicant mentioned the extremely sloped mansard roof and that it would be much less advantageous to not having gooseneck lighting and felt that would be more of an eyesore. He felt this was subdued lighting and 100 ft. from the street. Commission members noted this was an industrial area, and differed on whether a conforming structure or not. Applicant was asked if other historic districts in Maryland have the same signage, and his response would be a question for T-Mobile corporate.

   Ms. Wright wanted to speak with the Commission concerning of what and who we are as the Commission. Directions given for record by Ms. Wright of the City Ordinance requiring the following of Secretary of Interior Standards for Rehabilitation, as well as HPC Guidelines, Chapter 5, page 103- Internally Lit Signs in Historic District and although the original sign was approved at discretion of commission, she urged to look at this again closely.

   Ms. Wright made a motion that the studies does specifically contributed to the period of signage. Mr. Myers made a motion that the building is non-conforming and was second by Dr. Wilkins. Discussion was held.

   Mr. Myers made the motion to approve and Dr. Michael seconded the motion. The vote was 3-2. Motion approved.

AWARD NOMINATIONS

1. Emmanuel Episcopal Church was nominated as the HPC's 2021 Preservation Award Candidate for the Wall Reconstruction Project at 16 Washington St - COA 902 was approved administratively on 05/13/20.

OTHER BUSINESS/STAFF UPDATES

2. Ms. Hast reiterated that Kathy McKenney, Historic Preservation Planner/Coordinator, was out on medical leave. Ms. Hast will be filling in as staff representative during this period.

3. Ms. Hast wants the Commission to review publicly all Administration Approval or choose to appoint an HPC member (s) to assist in review with staff between meetings. Unanimous vote was to review publicly as a group. Dr. Wilkins does not feel one month is long to wait for the Commission to review.

An audio of the meeting will be available upon request. Recording stop on its own approximately ¾ the way through.

ADJOURMENT

The meeting was adjourned at 5:10 p.m.

Respectfully,

_____

Mr. Tim Hoffman, Secretary

October 6, 2021

Corrections made for Sept meeting.

File Attachments for Item:

2. 619 Washington Street - RCA21-000014 - Removing/widening asphalt driveway and pouring an exposed aggregate concrete - Carolyn Neely representative

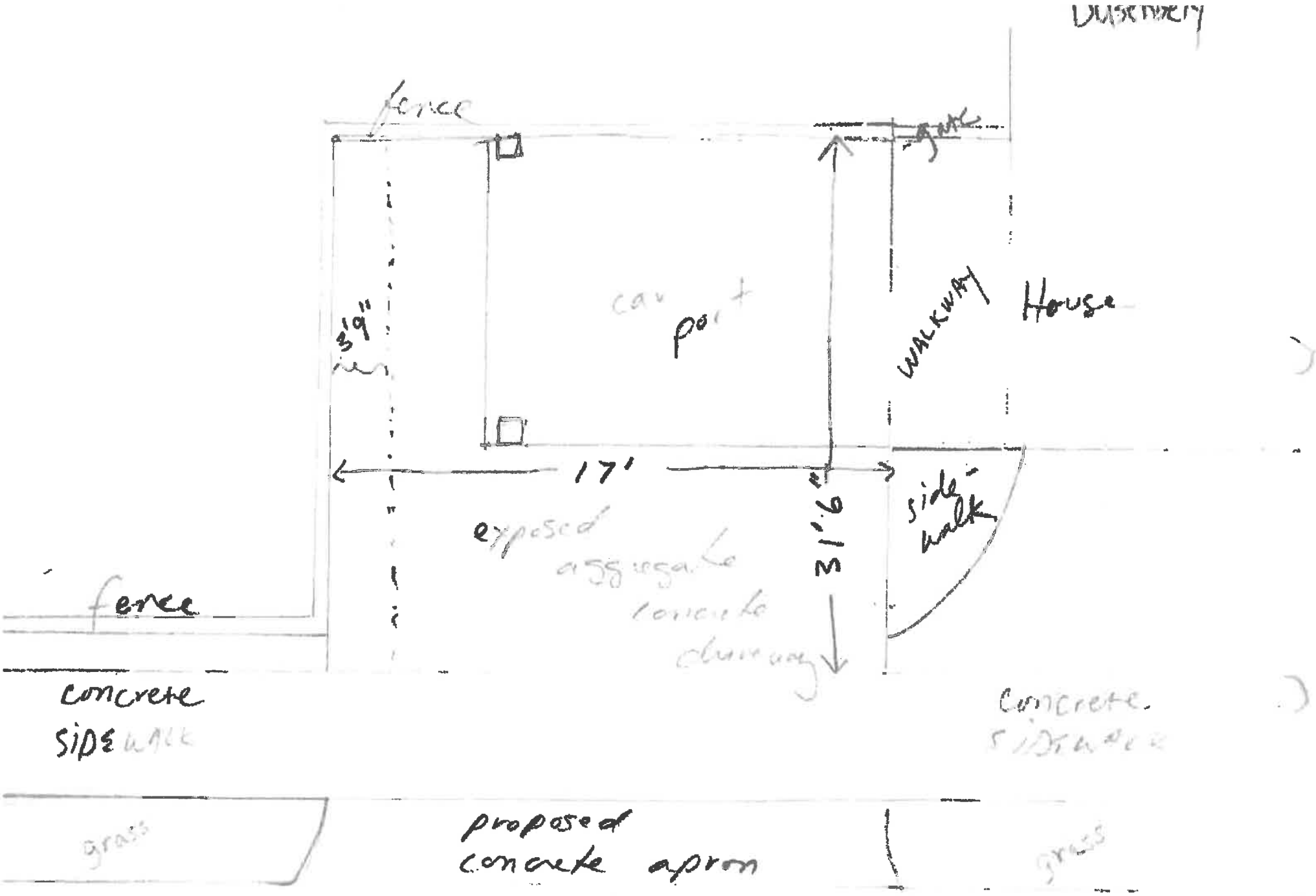
Request for Change Amendment Application
Presentation of Information
By Terri Hast

RCA#21-000014
Address: 619 Washington Street
Project Contact: Mary Margaret Dusenbery
Project Representative: Carolyn Neely

Project Summary: This Request for Change/Amendment to the original Certificate of Appropriateness includes one request. The original Certificate of Appropriateness was approved by the HPC on 6/10/2020 for the placement of 6'X10' shed structure on the lot. This is also in addition to a Request for Change/Amendment issued 1/15/21 for the removal of two maple trees that were determined to be hazardous or diseased along with the replacement of the damaged sidewalk.

The current request is to widen the driveway 3'9" to the fence line. Remove asphalt and pour an exposed aggregate concrete driveway. Replace concrete sidewalk and concrete driveway apron to road.

The sections of the Preservation Guidelines that pertain to this application are: Guideline 65: Landscaping (Hardscape), and; Guideline 66: Parking.



WASHINGTON ST

Aggregate Examples

619 WASHINGTON

EXISTING CERTIFICATE OF APPROPRIATENESS REQUEST FOR CHANGE/AMENDMENT

Request for Change Amendment (RCA) #:	RCA21-000014
Certificate of Appropriateness (COA) #:	COA2020-904
Property Owner:	KEISTER SUSAN J
Applicant:	Mary M Dusenberry
Original Approval Date:	06/10/2020
Project Address:	619 WASHINGTON ST
Property Number:	06035418
Change/Amendment Review Date:	10/13/2021

The request for a change/amendment to the original review includes the following scope of work:
The property owners request to widen and replace the driveway, sidewalk and driveway apron.

The request was: Tabled until the November 10, 2021 meeting, 4 p.m.

A motion was made and passed to table this review until November's meetng in reference to Section 3.7 of the By-Laws "In the absence of any personal appearance on behalf of the applican or petitioner, the Commision will table the item."

Please have a representative present to answer any questions.

Signed:

PC Chair

Timothy B Hoffman AIA

HPC Secretary

OTE: You must still ensure that all other permits associated with this project, if required, have been applied for and pproved by the Building and Zoning Officer.

File Attachments for Item:

3. 617 Washington Street - COA21-000028 - Replacement of existing roof - Lisa Castleman, applicant

Request for Certificate of Appropriateness
Presentation of Information
By Terri Hast

COA#21-000028
Address: 617 Washington Street
Project Contact: Lisa Castleman

Project Summary: The applicant is applying for A Certificate of appropriateness to replace an original slate roof with ECO Star Majestic Slate, traditional 12" in a mixture of midnight gray, federal gray and smoke gray to match the existing roof with beveled edge slate in same areas on the roof of the original build. The part of the home that was added on in the 1980's will be reroofed with the same sheet roofing material presently there.

Therefore, replacement roofing is being reviewed following Chapter 5, Design Guidelines for Roofs. The original part of the home was built in 1890.

The sections of the Preservation Guidelines that pertain to this application are:
Guideline 15: Roofing Materials.

9-15-2021

From Lisa Castleman

617 Washington St.

Cumberland, MD 21502

I am in the process of needing a new roof on my home which is in the historic district of Cumberland, Md.

Scope of work: The original slate roof will be replaced with ECO Star Majestic Slate sustainable roofing to cover the roof of the original build. The part of the home that was added on in the 1980's will be reroofed as well with sheet roofing materials. Bittner construction will be doing the work. The work is to begin sometime in October if it is approved.

Thank you

BITTINGER CONTRACTING

92 Tysinger Ln.

Wiley Ford, Wv. 26767

Chuck Bittinger 301-707-1161

Timmy Bittinger 301-697-6818

MHIC 49117

Lisa Casselman

617 Washington st.

Cumberland, Md.

2 October 21

Contract for roof replacement:

Tear off old slate shingles. Tarps laid out to keep mess contained. Magnet ran afterwards to insure no loose nails.

Install synthetic felt.

Install weatherguard on outer perimeter and valleys on the roof

New steep slope vent boot on the one pipe.

Install Ecostar majestic slate traditional 12". It will be a mixture of midnight gray, federal gray, and smoke gray.

The roof will somewhat match the existing roof with beveled edge slate in same areas.

The back flat roof will have peel and stick in gray color.

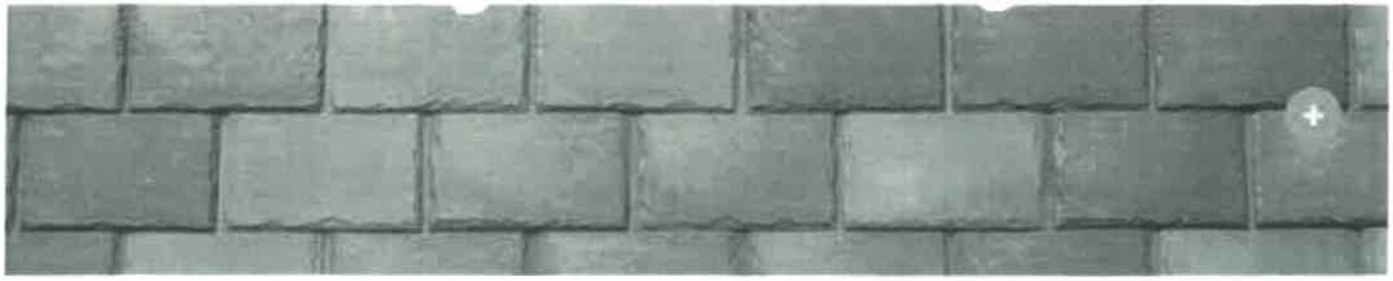
I will replace 100 sq feet of rotten wood free of charge. 1.50 per sq foot charge after.

Haul away all mess.

Secure half round gutter where needed.

Labor and materials 36,000

419



Majestic Slate

The Traditional Beauty of Slate with the Durability and Proven Protection of a Synthetic

An affordable and environmentally-friendly alternative to natural slate, EcoStar's Majestic Slate™ captures the traditional beauty of slate roof tiles while providing the durability and proven protection of a synthetic. Majestic Slate is manufactured with post-industrial recycled content to create a lightweight and environmentally responsible alternative to natural slate. Majestic tiles are proven to protect against the most extreme elements such as rain, hail, snow, fire, extreme temperature change and UV sunlight.

Majestic Slate Standard Colors

Black

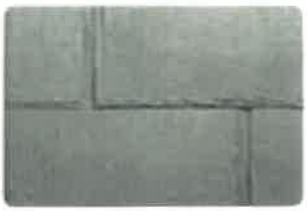
Cedar Brown

Chestnut Brown

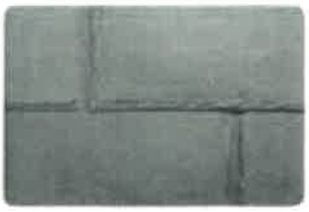
Earth Green

Federal Gray

Midnight Gray



Sage Green



Smoke Gray

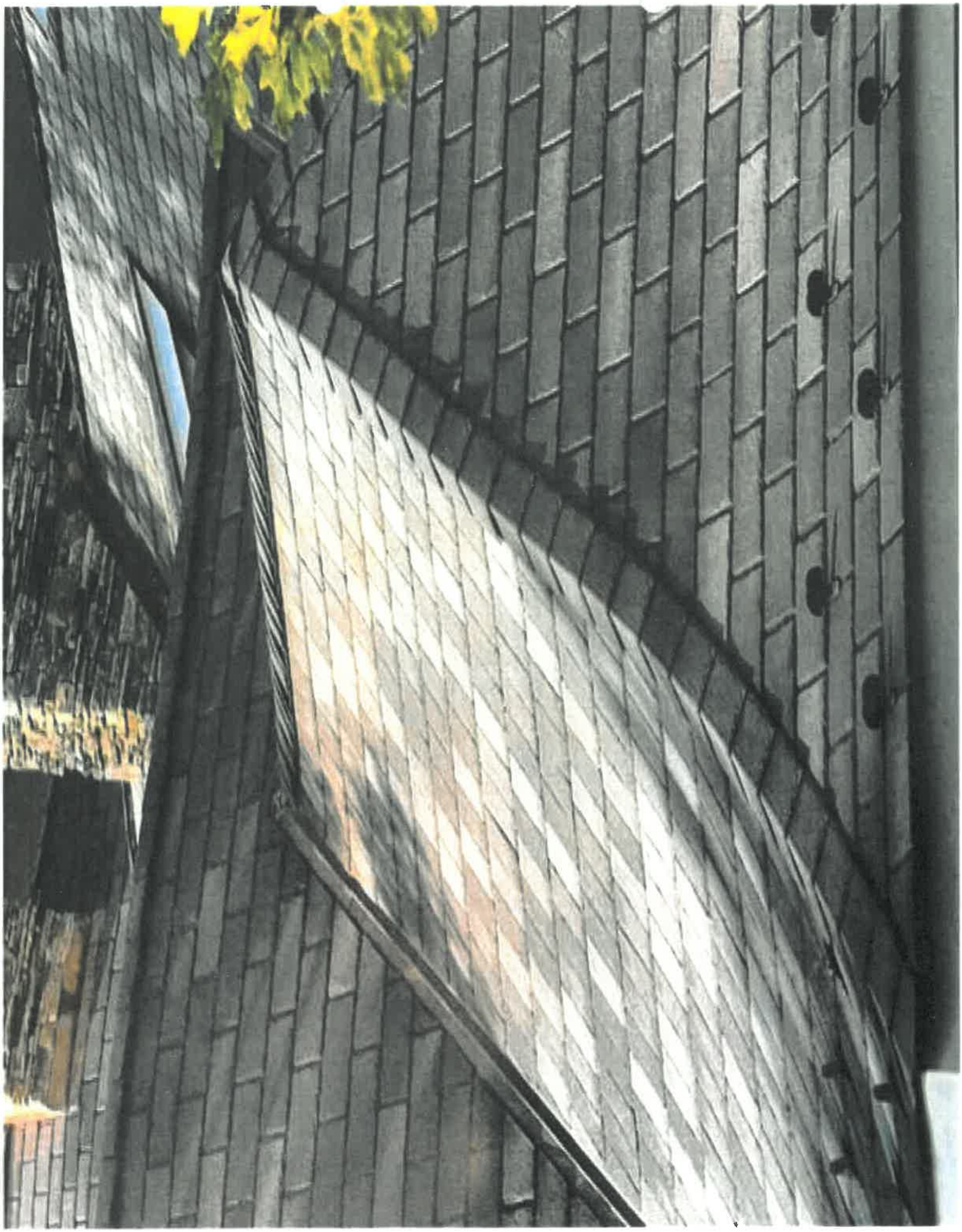
Stone Red

12" Traditional

The classic look of the 12" Traditional tile provides beauty and architectural appeal to any building.

Beveled Edge

The look of scalloped edges in a hexagonal pattern makes beveled edge tiles a classic. This rare style can be intermixed with traditional slate tiles or used separately for historical applications.



OLDER PHOTO FROM FILE 4/2020

File Attachments for Item:

4. 135 Mechanic Street - COA21-000030 - Antennae/Radio to existing cell tower - USCOC of Cumberland LLC, applicant - *Typically an Administrative Review*

Request for Certificate of Appropriateness
Presentation of Information
By Terri Hast

COA#21-000030
Address: 135 N. Mechanic St.
Project Contact: Kristin McLemore

Project Summary: The applicant is applying for a Certificate of Appropriateness to place three additional mmWave Integrated Antenna/Radio and a single proposed RAYCAP SD antenna to existing cell tower. A structural Evaluation states that this project will have no negative impact on the existing masonry, elevator, penthouse, and chimney construction.

This project is typically reviewed administratively so no representation is required for this review.

Therefore, no guidelines found regarding cell tower equipment. The closest reference is Chapter 5, Design Guidelines for Renewable Energy Systems

The sections of the Preservation Guidelines that pertain to this application are:
Guideline 59: Rooftop Equipment.

October 12, 2021

Project File No. 3146-21-502 (05) (32)

Faulk & Foster
1811 Auburn Drive
Monroe, LA 71201

Attention: Rob Mears
Project Manager

RE: Structural Evaluation
US Cellular at JFK Apartments
135 N Mechanic Street, Cumberland, MD

Faulk & Foster contracted the services of The EADS Group, Inc. (EADS) to provide a structural evaluation regarding US Cellular's proposed antenna additions on the JFK Apartments rooftop, located at 135 N Mechanic Street, Cumberland, MD. This will include the installation of three (3) 'mmWave' antennas on new schedule 40 mast pipe and a single RAYCAP SPD on an existing mast pipe.

The EADS Group has reviewed the set of Construction Drawings outlining the details of US Cellular's proposed antenna equipment additions including the specs for the proposed antennas (Samsung AT1K04).

The field investigation, interpretation of the findings, and conclusions were completed by a professional engineer with more than thirty-five (35) years of experience and training in structural engineering and related work required for this assignment.

This letter report discloses those findings which were discernible, premised on, and limited to only visual observations. Provided is an overview of the findings and an evaluation of the observed condition of the existing equipment and anchorage of the mast systems. For your reference and to support the findings within this letter report, photographs of the specific locations proposed for improvements is provided as an attachment to this document.

On September 28, 2021, the field investigation for this work was completed. During the investigation, specific locations of the proposed antenna equipment additions were identified, documented and evaluated. For the purposes of this report, the investigations focused mainly on structural deficiencies. No destructive investigations were performed as part of this evaluation.

In summation, it is the professional opinion of the undersigned that the three (3) proposed additional mmWave Integrated Antenna/Radio and the single proposed RAYCAP SPD will have no negative

impact on the existing masonry elevator penthouse and chimney construction. There are no notable structural deficiencies in the existing masonry. The existing masonry is carrying the existing equipment loads without major signs of structural distress. Existing equipment connections to the masonry are intact and in good condition. Existing masts are in good condition. The proposed mounting brackets and assembly hardware details, presented in the construction drawings provided, are acceptable for the anticipated loadings.

We trust this evaluation/letter adequately address your concerns. Should you have any questions or require any clarification, please contact the undersigned at your convenience.

The opinions expressed in this report are based on the facts of this specific case based on observations and information available, known and declared at the time of the investigation. Our services were performed using the standards generally accepted within the applicable area of expertise, and in accordance with industry professional and ethical guidelines applicable to the engineering profession. No other warranty is expressed or implied. The undersigned states that this report is accurate to the best of his understanding and that the opinions expressed are his own.

Sincerely,
THE EADS GROUP, INC.

Todd R. Brewer

By: **Todd R. Brewer, P.E.**
MD Professional Engineer License Number 27700
Expiration 07-18-2022

Enclosures

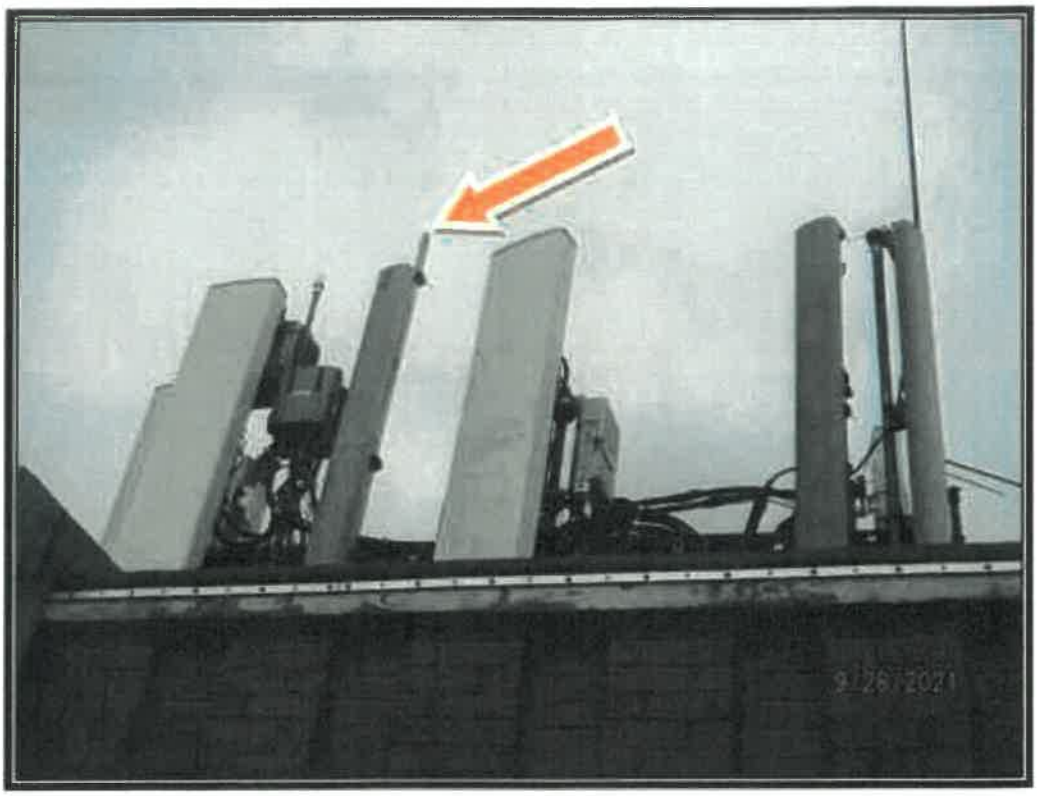


PHOTO 1: ***Proposed Location of A3 mmWAVE Integrated Antenna/Radio on New Mast Pipe***

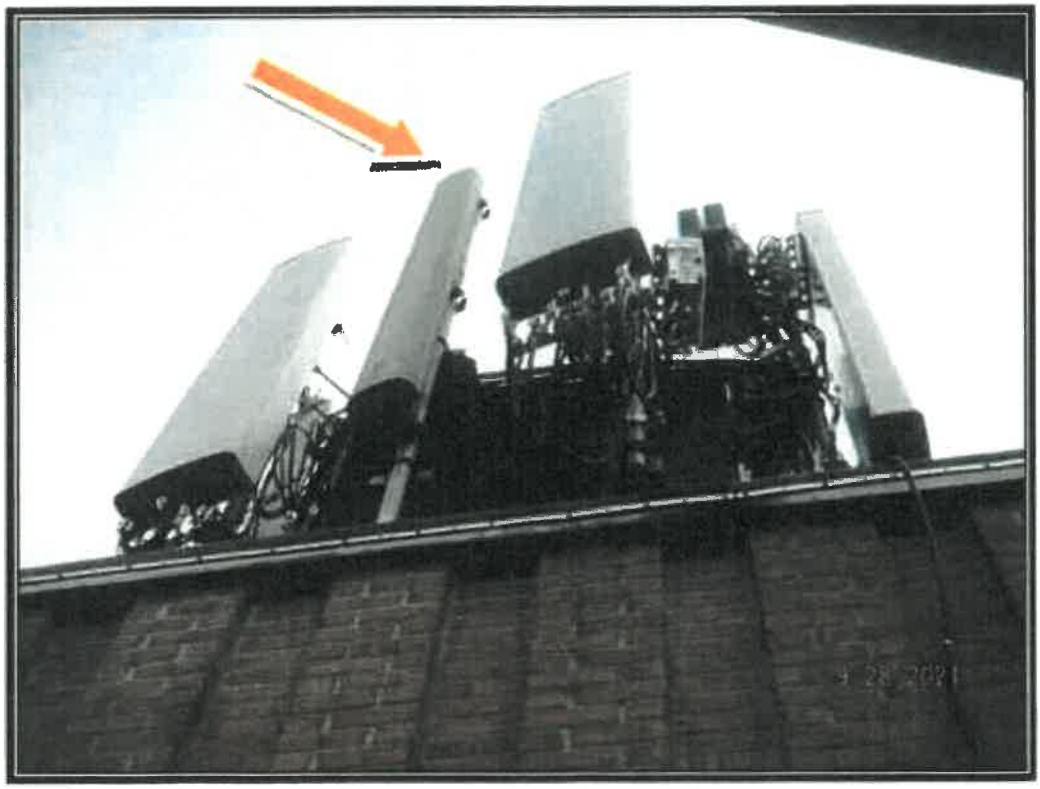


PHOTO 2: ***Proposed Location of B2 mmWAVE Integrated Antenna/Radio on New Mast Pipe***

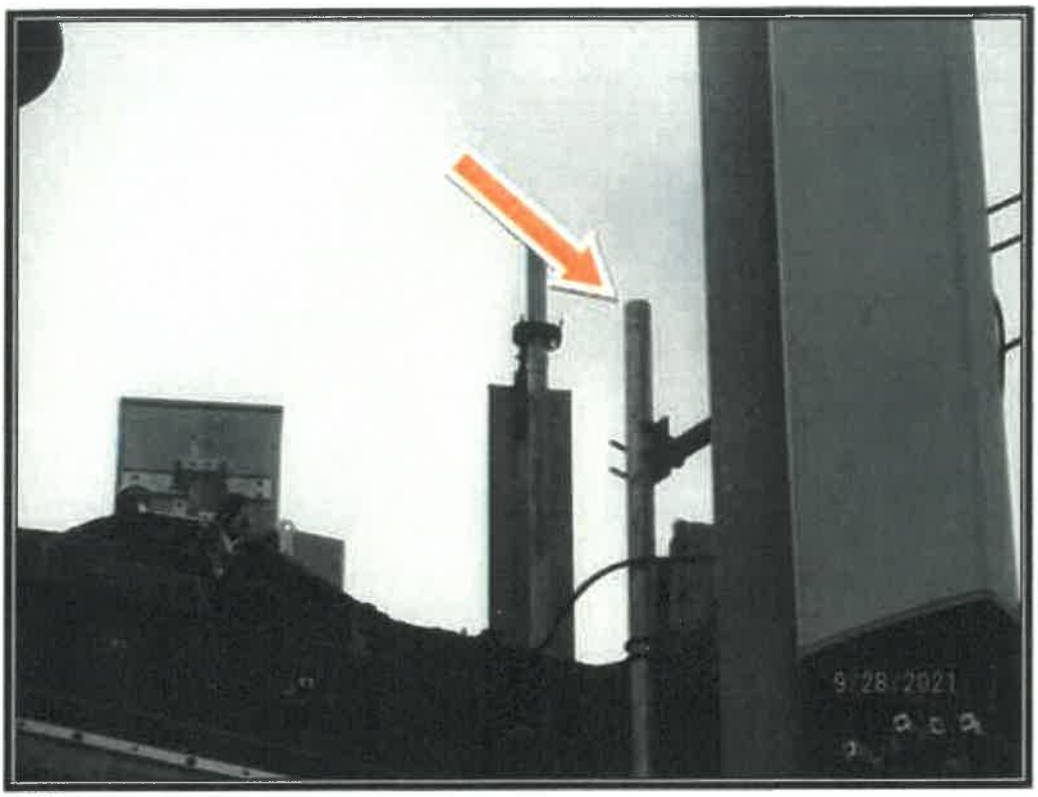


PHOTO 3: ***Proposed Location of G3 RAYCAP SPD on Existing Mast Pipe***

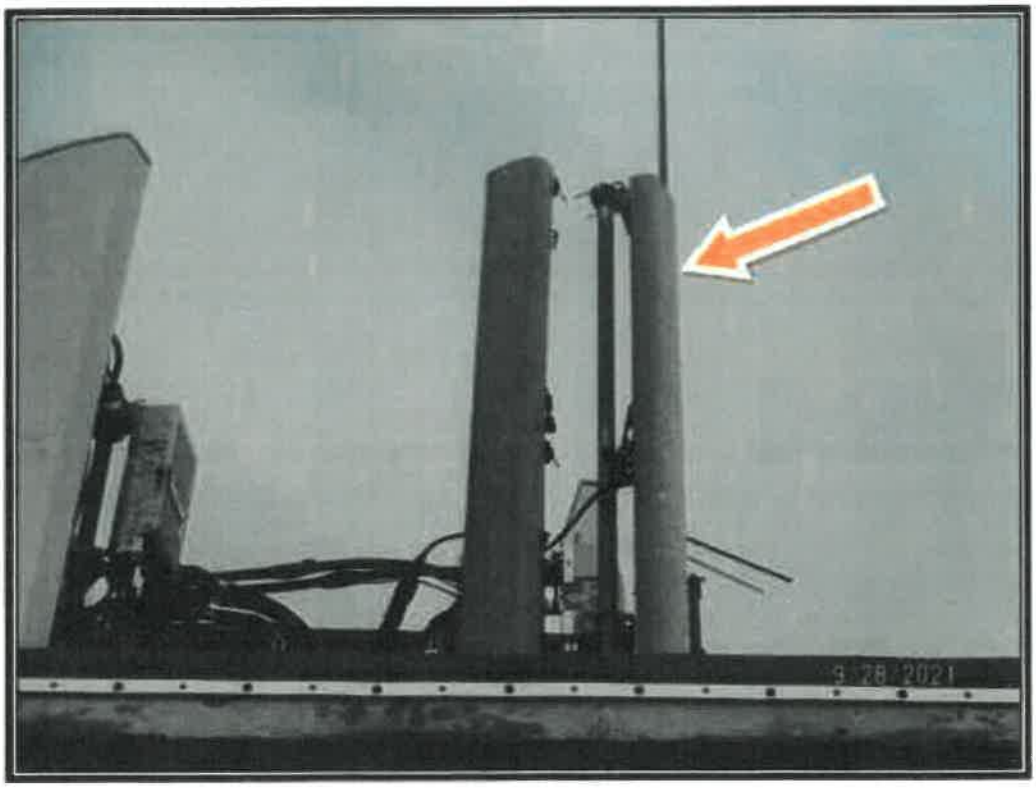


PHOTO 4: ***Proposed Location of G5 mmWAVE Integrated Antenna/Radio on New Mast Pipe***

See attached #135 N. Mechanic Drawings (15 pages)

uscellular

CUMBERLAND DT (682340)
CUMBERLAND, MARYLAND
mmWAVE ADDITION
ROOFTOP INSTALLATION

SCOPE OF WORK

BUILDING SCOPE			
mmWave SCOPE (TO BE INSTALLED)			
ANTENNA(S)/EQUIP.	3	mmWAVE RADIO(S) W/ BUILT-IN ANTENNA(S)	TO BE INSTALLED
	1	RAYCAP SFD(S)	TO BE INSTALLED
TRANSMISSION CABLE(S)	1	1-1/4" ELPEN HYBRID CABLE(S)	TO BE INSTALLED
MODERNIZATION SCOPE (REMAIN/RELOCATE)			
ANTENNA(S)/EQUIP.	2	RAYCAP SFD(S)	TO REMAIN
TRANSMISSION CABLE(S)	2	1-1/4" ELPEN HYBRID CABLE(S)	TO REMAIN
ROOFTOP SCOPE			
	QTY.	EQUIPMENT	ACTION
CABLE ROUTE:	-	2-BRACKETS	ADEQUATE - TO REMAIN
GROUND BAR(S):	-	ROOFTOP GROUND BAR*	ADEQUATE - TO REMAIN
EQUIPMENT ROOM SCOPE			
MODERNIZATION SCOPE (REMAIN/RELOCATE)			
EQUIPMENT:	1	RAYCAP PDU(S)	TO REMAIN
	1	RAYCAP SFD(S)	TO REMAIN
GROUND BAR(S):	-	GROUND BAR AT COAX PORT*	TO REMAIN
mmWAVE SCOPE (TO BE INSTALLED)			
AUX RACK:	-	BASE BAND UNIT (BBU)	BY OTHERS
	1	RAYCAP FIBER TRAY(S)	TO BE INSTALLED
SPECIAL REQUIREMENTS			
NEW 2-1/2" SCH 40 (2-7/8" O.D.) MAST PIPE WITH MOUNTING HARDWARE (3 TOTAL).			
ONGOING CONSTRUCTION: A PUNCH LIST INSPECTION HAS BEEN COMPLETED AT THIS SITE AND NOT ALL CORRECTIONS HAVE BEEN COMPLETED YET. IT IS UNKNOWN WHAT THE STATUS WILL BE AT THE TIME OF THE mmWAVE UPGRADE.			
EXISTING ANTENNA AZIMUTH(S) TO BE ADJUSTED TO MATCH MODERNIZATION RF DESIGN.			

* BRING UP TO U.S. CELLULAR STANDARDS AS NECESSARY

SITE LOCATION MAP

DIRECTORY

CLIENT:
U.S. CELLULAR
8410 W. BRYN MAWR AVE., SUITE 700
CHICAGO, IL 60631
CONTACT: RANDY MATTSON

ENGINEERING COMPANY:
EDGE CONSULTING ENGINEERS, INC.
624 WATER STREET
PRAIRIE DU SAC, WI 53578
PROJECT MANAGER: LAURA KARCH

SITE ACQUISITION:
FAULK & FOSTER
1811 AUBURN AVE.
MONROE, LA 71201
CONTACT: DAN HOOVER

PROJECT INFO

SITE LOCATION:
136 NORTH MECHANIC STREET
CUMBERLAND, MD 21502

SITE #: 682340

BUILDING OWNER:
JFK APARTMENTS
136 NORTH MECHANIC STREET
CUMBERLAND, MD 21502

SITE COORDINATES (PER PREVIOUS CDs):
LAT: 39°-39'-12.16"
LONG: 78°-45'-51.13"
GROUND ELEVATION: 619'

SHEET INDEX

NO.:	SHEET TITLE
G-001	TITLE SHEET
C-101	SITE PLAN
C-102	ENLARGED SITE PLAN
A-101	EQUIPMENT ROOM PLAN
A-601	BLOCK DIAGRAM
T-001	EQUIPMENT SPECIFICATIONS
T-201	SITE ELEVATION
T-301	ANTENNA CONFIGURATION
T-501	INSTALLATION DETAILS
T-502	CABLE DETAILS
T-503	CABLE BANDING DETAILS
T-504	CABLE ROUTING
T-505	mmWAVE PLUMBING DIAGRAM
T-506	EXISTING MODERNIZATION PLUMBING DIAGRAM
E-501	GROUNDING DETAILS

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS/CONDITIONS ON SITE. IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO PERFORMING ANY WORK OR BE RESPONSIBLE FOR THE SAME.

STRUCTURAL

STRUCTURAL & MOUNT ANALYSIS:
THE EADS GROUP
REPORT #: 3146-21-502 (05) (32) DATED: 10/12/2021
CONCLUSION: ACCEPTABLE FOR THE ANTICIPATED LOADINGS

CONTRACTOR TO REVIEW STRUCTURAL REPORT IN ITS ENTIRETY. ANY DISCREPANCIES OR DISAGREEMENTS BETWEEN THE REPORT AND THESE PLANS SHOULD BE RESOLVED PRIOR TO CONSTRUCTION.

ONE CALL SYSTEMS INTERNATIONAL

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN MARYLAND, CALL MISS UTILITY

TOLL FREE (WEST SHORE): 1-800-257-7777
TOLL FREE (EAST SHORE): 1-800-441-8355

STATE OF MARYLAND REQUIRES MIN. OF 2 FULL BUSINESS DAYS NOTICE BEFORE YOU EXCAVATE

ENGINEER SEAL:

STATE OF MARYLAND · KENNETH C. BAUMGARDT · PROFESSIONAL ENGINEER

I HEREBY CERTIFY THAT THIS PLAN SET WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION OTHER THAN THE EXCEPTIONS NOTED IN THE SHEET INDEX, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

SIGNATURE: [signature]

DATE: 10/14/21

CONSULTANT:
Edge Consulting Engineers, Inc.
624 WATER STREET
PRAIRIE DU SAC, WI 53578

CLIENT:
uscellular
U.S. CELLULAR
8410 W. BRYN MAWR AVE.
SUITE 700
CHICAGO, IL 60631

TITLE SHEET
CUMBERLAND DT (682340)
CUMBERLAND, MARYLAND

SUBMITTAL:		
INT.	DATE:	DESCRIPTION:
		REV. A
		REV. B
LMK		REV. 0

CHECKED BY	LMK
PLOT DATE	10/14/2021
PROJECT NUMBER	30116
SET TYPE	FINAL
SHEET NUMBER	G-001

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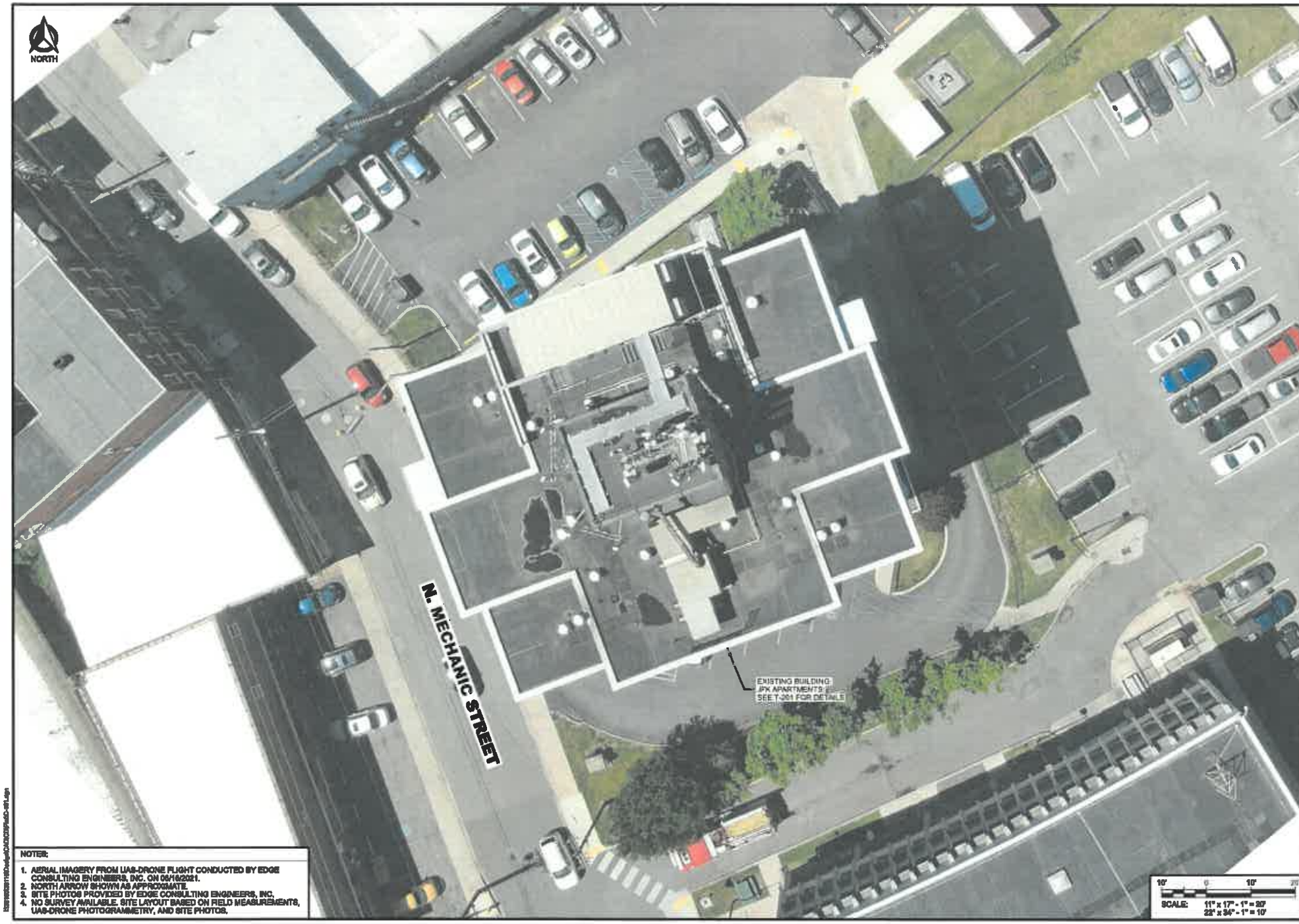

NOTES:

1. AERIAL IMAGERY FROM UAS-DRONE FLIGHT CONDUCTED BY EDGE CONSULTING ENGINEERS, INC. ON 06/16/2021.
2. NORTH ARROW SHOWN AS APPROXIMATE.
3. SITE PHOTOS PROVIDED BY EDGE CONSULTING ENGINEERS, INC.
4. NO SURVEY AVAILABLE. SITE LAYOUT BASED ON FIELD MEASUREMENTS, UAS-DRONE PHOTOGRAMMETRY, AND SITE PHOTOS.

CONSULTANT:

Edge
Consulting Engineers, Inc.
694 WATER STREET
PRAIRIE DU SAC, WI 53578
608.644.1449 VOICE
608.644.1940 FAX
www.edgeconsult.com

CLIENT:

uscellular
U.S. CELLULAR
8410 W. BRYN MAWR AVE.
SUITE 700
CHICAGO, IL 60631

SITE PLAN
CUMBERLAND DT (682340)
CUMBERLAND, MARYLAND

SUBMITTAL

INIT.	DATE	DESCRIPTION:
TKS	07/16/2021	REV. A
TKS	08/13/2021	REV. B
LMK	10/13/2021	REV. C

CHECKED BY	LMK
PLOT DATE	10/14/2021
PROJECT NUMBER	30116
SET TYPE	FINAL
SHEET NUMBER	C-101

© EDGE CONSULTING ENGINEERS, INC.

A ROOFTOP OVERVIEW

B ROOFTOP OVERVIEW

C ROOFTOP OVERVIEW

NOTES:

1. NORTH ARROW SHOWN AS APPROXIMATE.
2. SITE PHOTOS PROVIDED BY EDGE CONSULTING ENGINEERS, INC.
3. THE ENTIRE SITE SHALL BE RESTORED TO PRE-PROJECT CONDITION AT THE COMPLETION OF THE PROJECT.
4. NO SURVEY AVAILABLE. SITE LAYOUT BASED ON FIELD MEASUREMENTS, UAS-DRONE PHOTOGRAMMETRY, AND SITE PHOTOS.

CONSULTANT:

Edge Consulting Engineers, Inc.
604 WATER STREET
PRAIRIE DU SAC, WI 53578
608.644.1449 VOICE
608.644.1840 FAX
www.edgeconsult.com

CLIENT:

uscellular
U.S. CELLULAR
8410 W. BRYN MAWR AVE.
SUITE 700
CHICAGO, IL 60631

ENLARGED SITE PLAN
CUMBERLAND DT (682240)
CUMBERLAND, MARYLAND

SUBMITTAL:

REV.	DATE	DESCRIPTION
TAB	07/02/2021	REV. A
TAB	09/01/2021	REV. B
LMK	10/1/2021	REV. 0

CHECKED BY	LMK
PLOT DATE	10/14/2021
PROJECT NUMBER	30116
SET TYPE	FINAL
SHEET NUMBER	C-102

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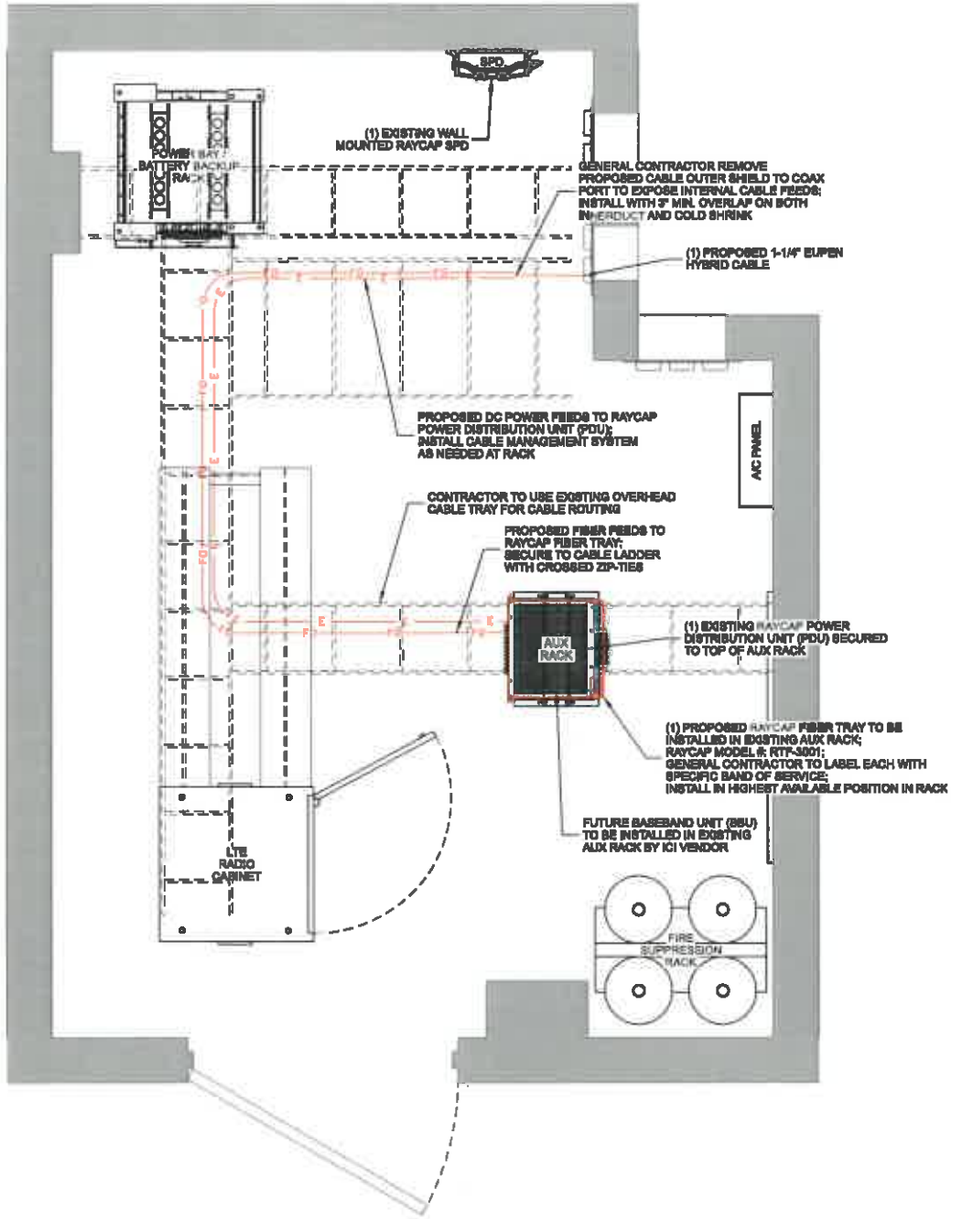

A EQUIPMENT ROOM LAYOUT

SCALE: 11" x 17" - 1/2" = 1'-0"
22" x 34" - 1" = 1'-0"

B EXISTING AUX EQUIPMENT RACK

C EXISTING POWER BAY / BATTERY BACKUP RACK

D EXISTING POWER DISTRIBUTION UNIT (PDU)

CONSULTANT:
Edge
Consulting Engineers, Inc.
924 VINTER STREET
PRAIRIE DU SAC, WI 53578
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608.644.1940 FAX
www.edgeconsult.com

CLIENT:
uscellular
U.S. CELLULAR
8410 W. BRYN MAWR AVE.
SUITE 700
CHICAGO, IL 60631

EQUIPMENT ROOM PLAN
CUMBERLAND DT (582340)
CUMBERLAND, MARYLAND

SUBMITTAL

INIT.	DATE:	DESCRIPTION
TAS	10/14/2021	REV. A
TAS	10/21/2021	REV. B
LMK	10/21/2021	REV. C

CHECKED BY	LMK
PLOT DATE	10/14/2021
PROJECT NUMBER	30116
SET TYPE	FINAL
SHEET NUMBER	A-101

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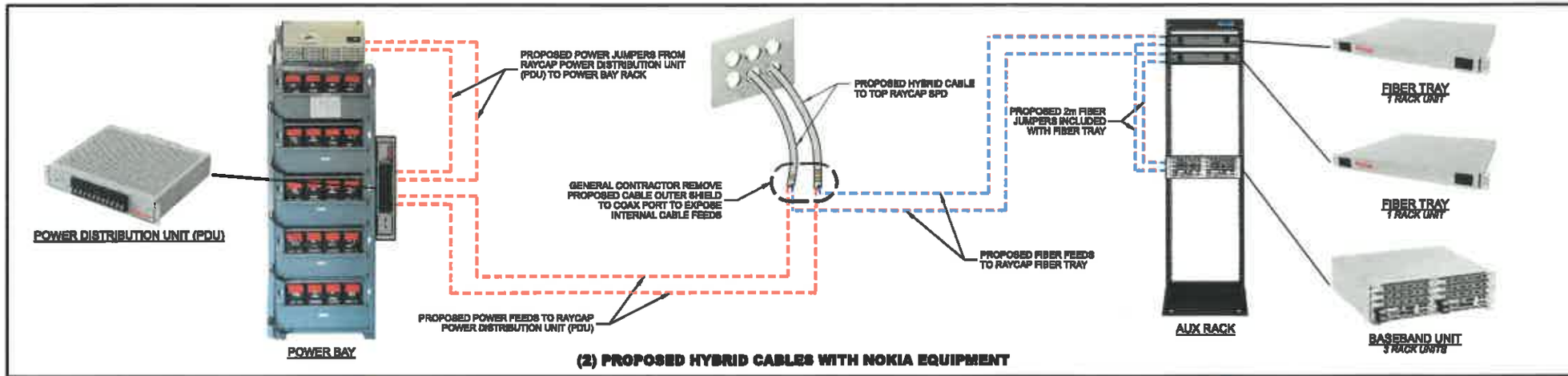
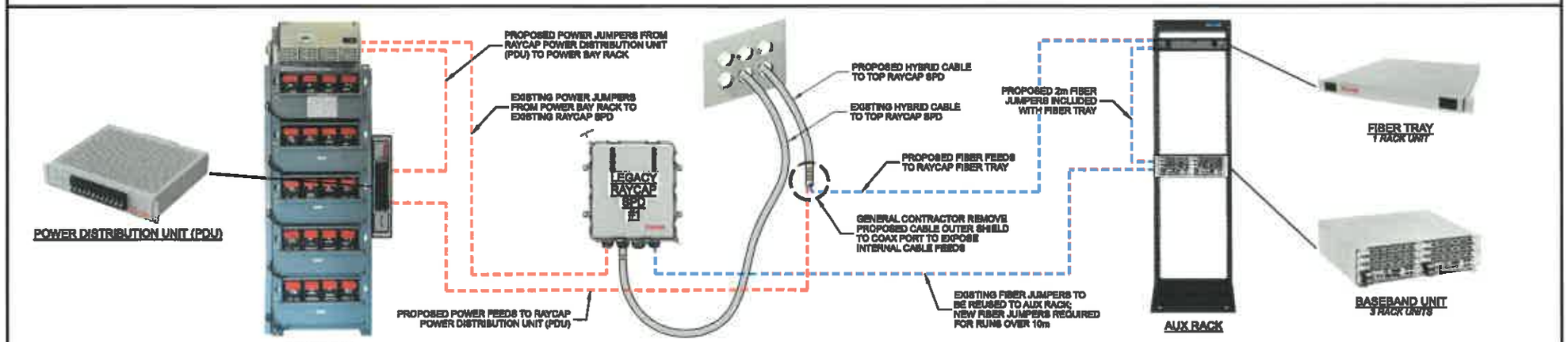
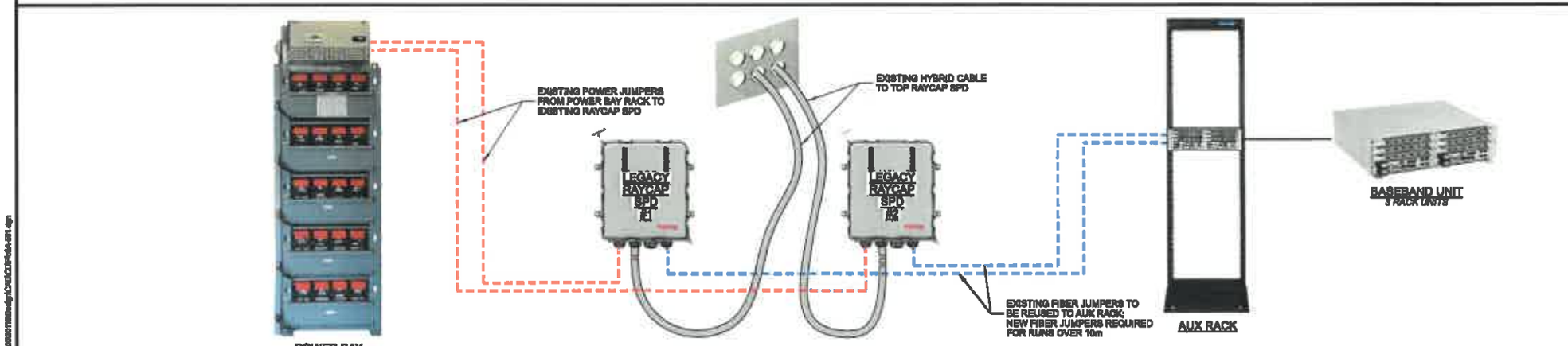


(2) PROPOSED HYBRID CABLES WITH NOKIA EQUIPMENT



(1) EXISTING HYBRID & (1) PROPOSED HYBRID WITH NOKIA EQUIPMENT



(2) EXISTING HYBRID CABLES WITH NOKIA EQUIPMENT

DATE CREATED: 08/25/2020

CONSULTANT:

Edge Consulting Engineers, Inc.
594 WATER STREET
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CLIENT:

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SUITE 700
CHICAGO, IL 60631

BLOCK DIAGRAM
CUMBERLAND DT (622340)
CUMBERLAND, MARYLAND

SUBMITTAL:

INT.	DATE:	DESCRIPTION:
TAB	[illegible]	REV. A
TAB	[illegible]	REV. B
LMK	[illegible]	REV. C

CHECKED BY	LMK
PLOT DATE	10/14/2021
PROJECT NUMBER	30110
SET TYPE	FINAL
SHEET NUMBER	A-501

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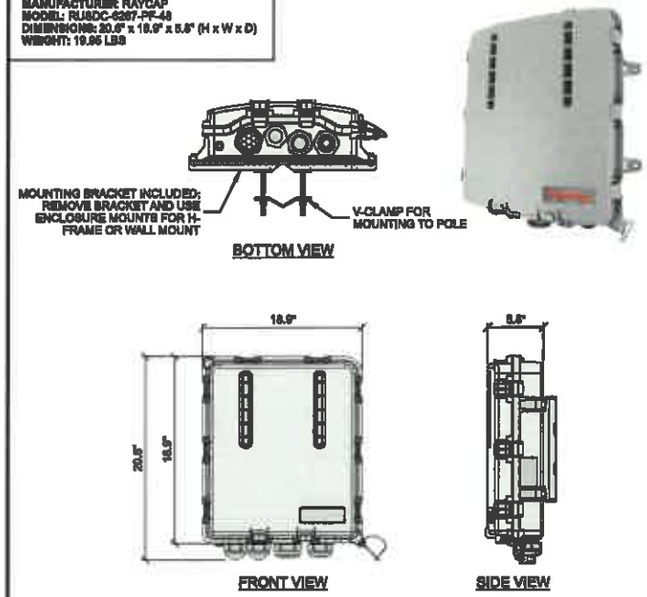
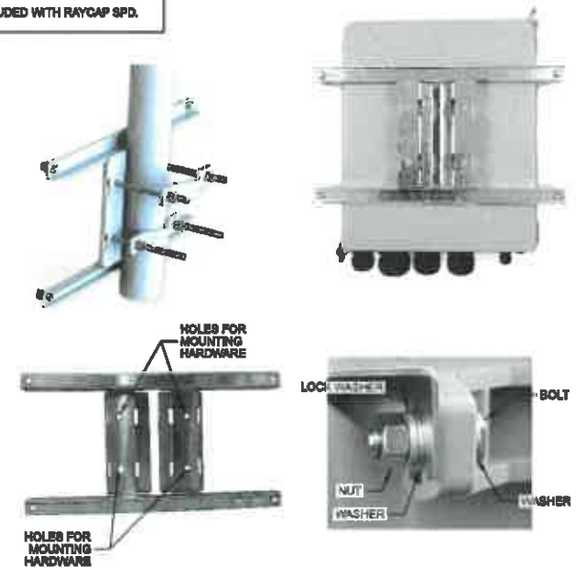
MANUFACTURER: RAYCAP
MODEL: RUSDC-6397-PF-48
DIMENSIONS: 20.5" x 18.9" x 8.5" (H x W x D)
WEIGHT: 19.85 LBS



A RAYCAP SURGE PROTECTOR DEVICE (SPD)

MANUFACTURER: RAYCAP
MODEL: MOUNTING BRACKET

INCLUDED WITH RAYCAP SPD.



B RAYCAP SURGE PROTECTOR DEVICE (SPD) MOUNT

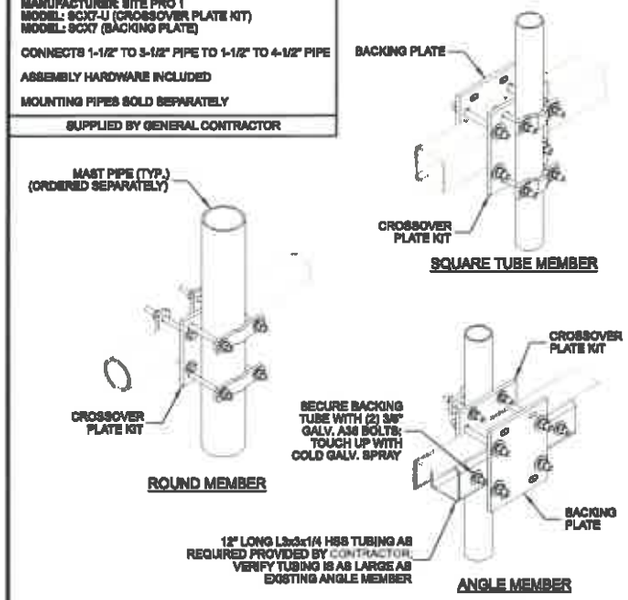
MANUFACTURER: SITE PRO 1
MODEL: SCX7-U (CROSSOVER PLATE KIT)
MODEL: SCX7 (BACKING PLATE)

CONNECTS 1-1/2" TO 3-1/2" PIPE TO 1-1/2" TO 4-1/2" PIPE

ASSEMBLY HARDWARE INCLUDED

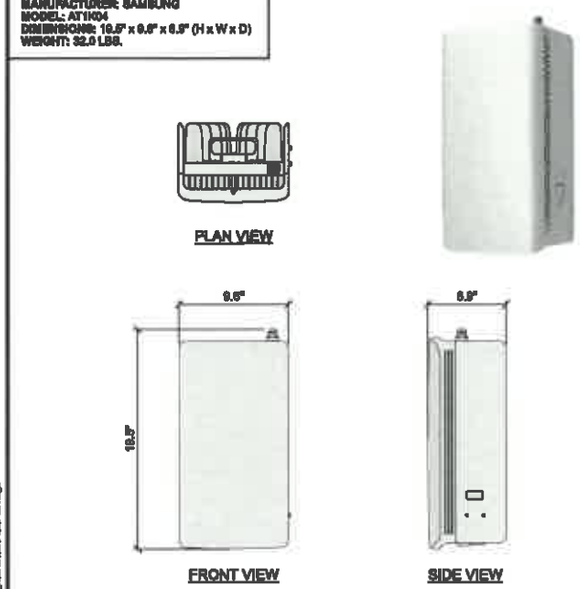
MOUNTING PIPES SOLD SEPARATELY

SUPPLIED BY GENERAL CONTRACTOR



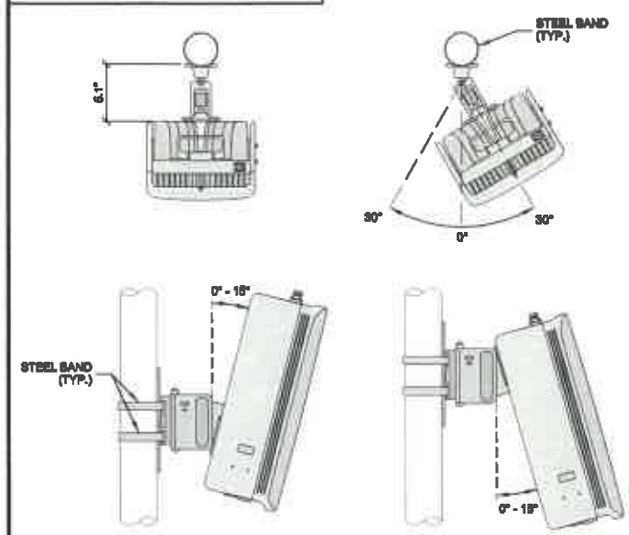
C CROSSOVER PLATE

MANUFACTURER: SAMSUNG
MODEL: AT1K04
DIMENSIONS: 19.5" x 9.6" x 6.5" (H x W x D)
WEIGHT: 32.0 LBS.



D SAMSUNG AT1K04

MANUFACTURER: SAMSUNG
MODEL: AU MOUNTING BRACKET (SINGLE SECTOR)



E SAMSUNG mmWAVE MOUNT

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CONSULTANT:

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CLIENT:

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U.S. CELLULAR
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SUITE 700
CHICAGO, IL 60631

EQUIPMENT SPECIFICATIONS

CUMBERLAND DT (682340)
CUMBERLAND, MARYLAND

SUBMITTAL:

DIT.	DATE:	DESCRIPTION
TAB	[illegible]	REV. A
TAB	[illegible]	REV. B
LMK	[illegible]	REV. C

CHECKED BY	LMK
PLOT DATE	10/14/2021
PROJECT NUMBER	30110
SET TYPE	FINAL
SHEET NUMBER	T-001

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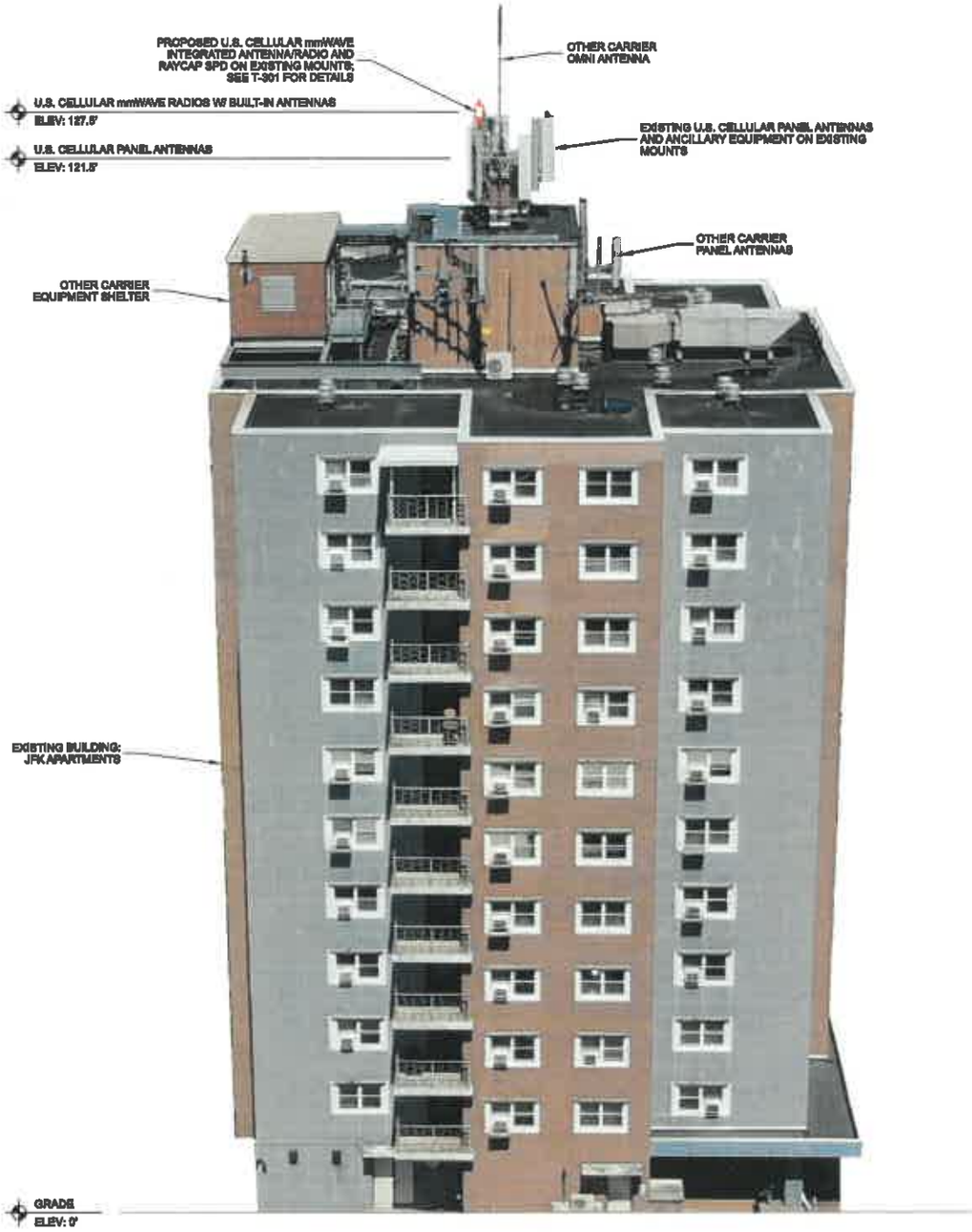

A SITE ELEVATION
SCALE: 11" x 17" - 1" = 15'-0"
22" x 34" - 1" = 7'-6"

B U.S. CELLULAR ALPHA SECTOR ANTENNAS

C U.S. CELLULAR BETA SECTOR ANTENNAS

D U.S. CELLULAR GAMMA SECTOR ANTENNAS

CONSULTANT:

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SUITE 700
CHICAGO, IL 60631

SITE ELEVATION
CUMBERLAND DT (802340)
CUMBERLAND, MARYLAND

SUBMITTAL

REV.	DATE	DESCRIPTION:
TBA	[illegible]	REV. A
TBA	[illegible]	REV. B
LMK	[illegible]	REV. C

CHECKED BY	LMK
PLOT DATE	10/14/2021
PROJECT NUMBER	30116
SET TYPE	FINAL
SHEET NUMBER	T-201

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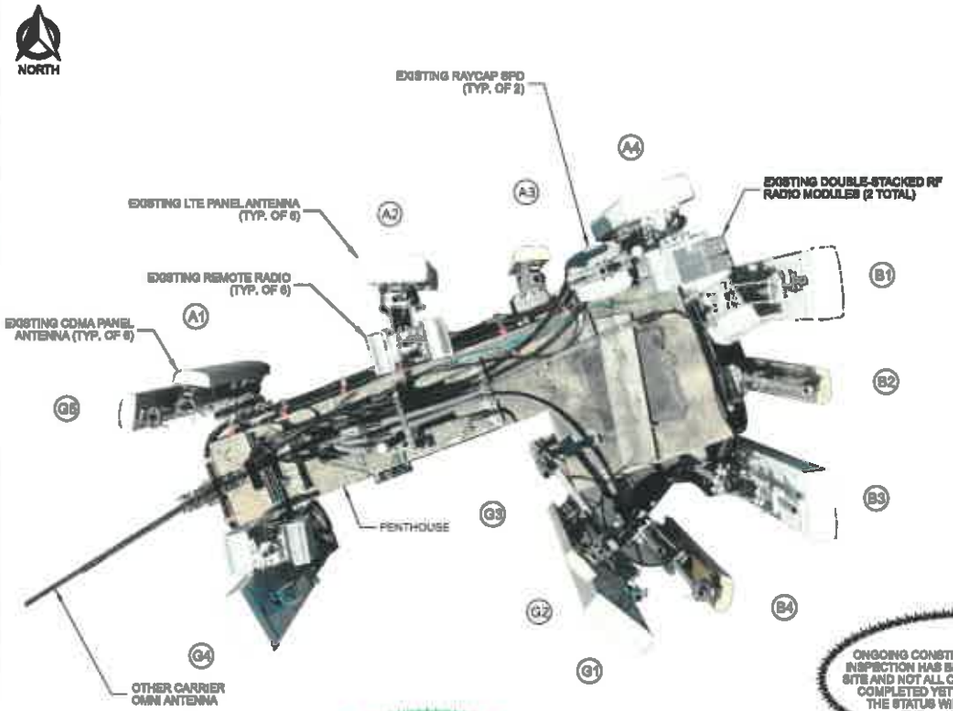


ONGOING CONSTRUCTION: A PUNCH LIST INSPECTION HAS BEEN COMPLETED AT THIS SITE AND NOT ALL CORRECTIONS HAVE BEEN COMPLETED YET. IT IS UNKNOWN WHAT THE STATUS WILL BE AT THE TIME OF THE mmWAVE UPGRADE

EXISTING ANTENNA AZIMUTHS TO BE ADJUSTED TO MATCH MODERNIZATION RF DESIGN

	Antenna Position	Technology	Antenna Model	Antenna Quantity	RAD Center	Azimuth	Surge Protector Qty.	B12/B71 Radio	Radio Qty.	B2/B66 Radio	Radio Qty.	B5 Radio	Radio Qty.	LAA Radio	Radio Qty.	Cable Type	Cable Qty.
ALPHA	A1	CDMA	Kathrein AP16660/065/DT3	1	121.5'	0°	-	-	-	-	-	-	-	-	-	1-5/8" Coax	1
	A2	LTE	Ericsson OCTO-8L2X2H-BW65	1	121.5'	0°	1	AHLOA	1	AHFB	1	-	-	-	-	1-1/4" Hybrid	1
	A3	CDMA	Kathrein AP16660/065/DT3	1	121.5'	0°	-	-	-	-	-	-	-	-	-	1-5/8" Coax	1
	A4	LTE	Ericsson OCTO-8L2X2H-BW65	1	121.5'	0°	Shared	-	-	Shared	-	FRC4/9	2	-	-	Shared	-
BETA	B1	LTE	Ericsson OCTO-8L2X2H-BW65	1	121.5'	120°	1	AHLOA	1	AHFB	1	-	-	-	-	1-1/4" Hybrid	1
	B2	CDMA	Kathrein AP16660/065/DT3	1	121.5'	120°	-	-	-	-	-	-	-	-	-	1-5/8" Coax	1
	B3	LTE	Ericsson OCTO-8L2X2H-BW65	1	121.5'	120°	Shared	-	-	Shared	-	Shared	-	-	-	Shared	-
	B4	CDMA	Kathrein AP16660/065/DT3	1	121.5'	120°	-	-	-	-	-	-	-	-	-	1-5/8" Coax	1
GAMMA	G1	LTE	Ericsson OCTO-8L2X2H-BW65	1	121.5'	240°	Shared	AHLOA	1	AHFB	1	-	-	-	-	Shared	-
	G2	CDMA	Kathrein AP16660/065/DT3	1	121.5'	240°	-	-	-	-	-	-	-	-	-	1-5/8" Coax	1
	G3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	G4	LTE	Ericsson OCTO-8L2X2H-BW65	1	121.5'	240°	Shared	-	-	Shared	-	Shared	-	-	-	Shared	-
	G5	CDMA	Kathrein AP16660/065/DT3	1	121.5'	240°	-	-	-	-	-	-	-	-	-	1-5/8" Coax	1
Total				12			2		3		3		2		0		6

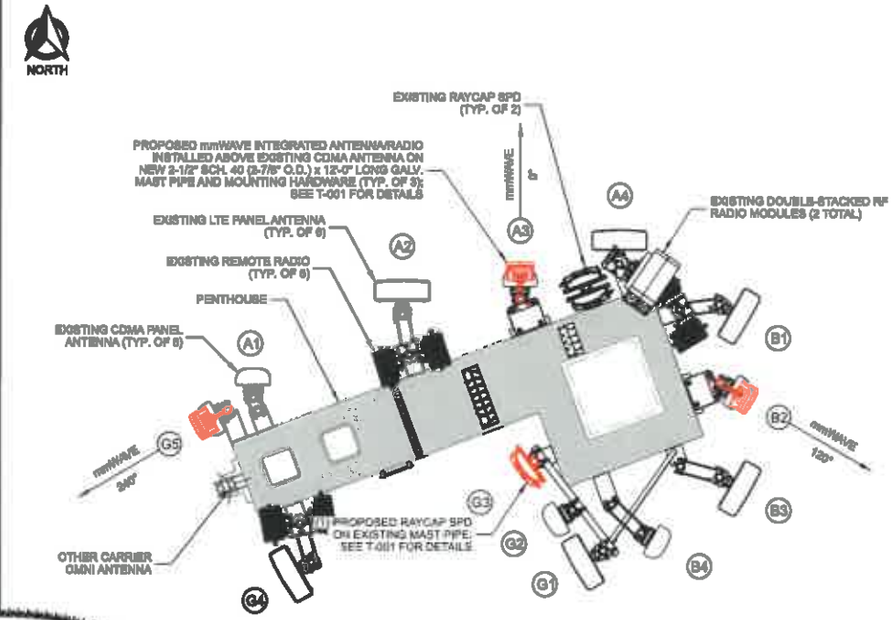
Black Text = Existing Green Text = Relocate

NOTES:

1. ALL ANTENNA AZIMUTHS TO BE FROM TRUE NORTH.

A EXISTING ANTENNA LAYOUT

SCALE: 11" x 17" - 1/4" = 1'-0"
22" x 34" - 1/2" = 1'-0"



	Antenna Position	Technology	Antenna Model	Antenna Quantity	RAD Center	Azimuth	Surge Protector Qty.	B12/B71 Radio	Radio Qty.	B2/B66 Radio	Radio Qty.	B5 Radio	Radio Qty.	mmWave Radio	Radio Qty.	Cable Type	Cable Qty.
ALPHA	A1	CDMA	Kathrein AP16660/065/DT3	1	121.5'	0°	-	-	-	-	-	-	-	-	-	1-5/8" Coax	1
	A2	LTE	Ericsson OCTO-8L2X2H-BW65	1	121.5'	0°	1	AHLOA	1	AHFB	1	-	-	-	-	1-1/4" Hybrid	1
	A3	CDMA	Kathrein AP16660/065/DT3	1	121.5'	0°	-	-	-	-	-	-	-	-	-	1-5/8" Coax	1
		mmWave	Integrated Antenna/Radio	-	127.5'	0°	Shared	-	-	-	-	-	-	AT1K04 (28GHz)	1	Shared	-
	A4	LTE	Ericsson OCTO-8L2X2H-BW65	1	121.5'	0°	Shared	-	-	Shared	-	FRC4/9	2	-	-	Shared	-
BETA	B1	LTE	Ericsson OCTO-8L2X2H-BW65	1	121.5'	120°	1	AHLOA	1	AHFB	1	-	-	-	-	1-1/4" Hybrid	1
	B2	CDMA	Kathrein AP16660/065/DT3	1	121.5'	120°	-	-	-	-	-	-	-	-	-	1-5/8" Coax	1
		mmWave	Integrated Antenna/Radio	-	127.5'	120°	Shared	-	-	-	-	-	-	AT1K04 (28GHz)	1	Shared	-
	B3	LTE	Ericsson OCTO-8L2X2H-BW65	1	121.5'	120°	Shared	-	-	Shared	-	Shared	-	-	-	Shared	-
	B4	CDMA	Kathrein AP16660/065/DT3	1	121.5'	120°	-	-	-	-	-	-	-	-	-	1-5/8" Coax	1
GAMMA	G1	LTE	Ericsson OCTO-8L2X2H-BW65	1	121.5'	240°	Shared	AHLOA	1	AHFB	1	-	-	-	-	Shared	-
	G2	CDMA	Kathrein AP16660/065/DT3	1	121.5'	240°	-	-	-	-	-	-	-	-	-	1-5/8" Coax	1
	G3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	G4	LTE	Ericsson OCTO-8L2X2H-BW65	1	121.5'	240°	Shared	-	-	Shared	-	Shared	-	-	-	Shared	-
	G5	CDMA	Kathrein AP16660/065/DT3	1	121.5'	240°	-	-	-	-	-	-	-	-	-	1-5/8" Coax	1
		mmWave	Integrated Antenna/Radio	-	127.5'	240°	1	-	-	-	-	-	-	AT1K04 (28GHz)	1	1-1/4" Hybrid	1
Total				12			6		3		3		2		6		6

Black Text = Existing Red Text = Proposed

NOTES:

1. ALL ANTENNA AZIMUTHS TO BE FROM TRUE NORTH.

B PROPOSED ANTENNA LAYOUT

SCALE: 11" x 17" - 1/4" = 1'-0"
22" x 34" - 1/2" = 1'-0"

CONSULTANT:

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684 WATER STREET
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CLIENT:

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8410 W. BRYN MAWR AVE.
SUITE 700
CHICAGO, IL 60631

ANTENNA CONFIGURATION
CUMBERLAND DT (682340)
CUMBERLAND, MARYLAND

SUBMITTAL:

INT.	DATE:	DESCRIPTION:
TAB	[illegible]	REV. A
TAB	[illegible]	REV. B
LMK	[illegible]	REV. C

CHECKED BY	LMK
PLOT DATE	10/14/2021
PROJECT NUMBER	30116
SET TYPE	FINAL
SHEET NUMBER	T-301

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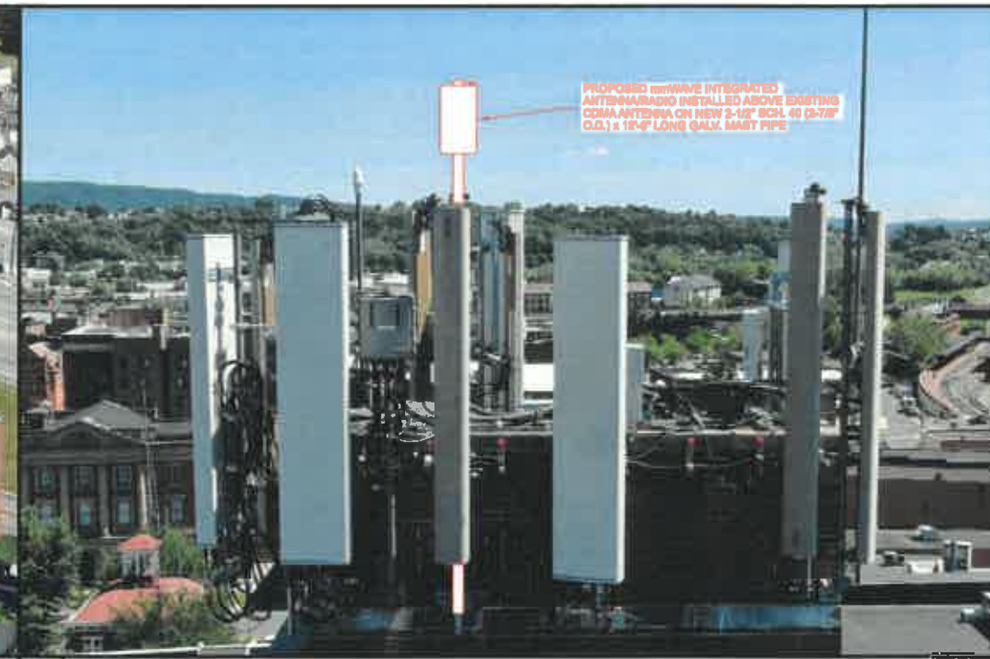
A PROPOSED RAYCAP SPD LOCATION



B PROPOSED ALPHA SECTOR mmWAVE INTEGRATED ANTENNA/RADIO LOCATION

C PROPOSED BETA SECTOR mmWAVE INTEGRATED ANTENNA/RADIO LOCATION

D PROPOSED GAMMA SECTOR mmWAVE INTEGRATED ANTENNA/RADIO LOCATION

CONSULTANT:
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PRINCE DU SAC, IN 46078
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www.edgeconsul.com

CLIENT:
uscellular
U.S. CELLULAR
8410 W. BRYN MAWR AVE.
SUITE 700
CHICAGO, IL 60631

INSTALLATION DETAILS
CUMBERLAND DT (682340)
CUMBERLAND, MARYLAND

SUBMITTAL

BY	DATE	DESCRIPTION:
TAS	07/08/2021	REV. A
TAS	09/13/2021	REV. B
LMK	10/14/2021	REV. C

CHECKED BY	LMK
PLOT DATE	10/14/2021
PROJECT NUMBER	30116
SET TYPE	FINAL
SHEET NUMBER	T-501

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EUPEN CABLE LENGTH	
EXISTING HYBRID CABLE QUANTITY	2
PROPOSED HYBRID CABLE QUANTITY	1
PROPOSED POWER CABLE QUANTITY	0
LENGTH FROM EQUIPMENT ROOM SOURCE TO COAX PORT	25 FT
VERTICAL LENGTH THROUGH BUILDING	125 FT
LENGTH ALONG ROOF	30 FT
TOTAL LENGTH OF CABLE	170 FT
ROUNDED LENGTH **	200 FT

* 410' MAX = TYPICAL CABLE

* 660' MAX = LOW INDUCTANCE CABLE

** CABLE LENGTH TO BE ROUNDED UP TO NEAREST 50' LENGTH

mmWAVE JUMPER CABLE INFO			
FIBER JUMPER: RAYCAP SPD TO ANTENNA/RADIO (mmW)			
	QUANTITY	LENGTH	
ALPHA SECTOR	2	32.8 FT	10 m
BETA SECTOR	2	32.8 FT	10 m
GAMMA SECTOR	2	32.8 FT	10 m
ALL SECTORS MUST HAVE THE SAME JUMPER LENGTHS			

A CABLE LENGTHS: NOKIA

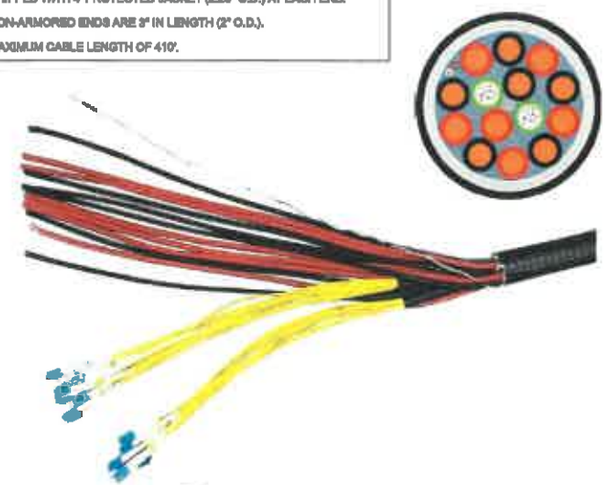
MANUFACTURER: EUPEN
MODEL: EUCAHYBRID 114-12AWG6
MINIMUM BENDING RADIUS: 350mm (14")
MAXIMUM PULLING STRENGTH: 150 daN
MAXIMUM HANGER SPACING: 1.0 m
APPROX. WEIGHT: 2300 kg/km (1.55 LB/FT)

1-1/4" HYBRID FIBER OPTIC CABLE WITH 48V ENERGY FEEDER IN CORRUGATED ALUMINUM SHIELDING WITH UV RESISTANT PE JACKET.

SHIPPED WITH 4' PROTECTED JACKET (2.25" O.D.) AT EACH END.

NON-ARMORED ENDS ARE 3" IN LENGTH (2" O.D.).

MAXIMUM CABLE LENGTH OF 410'.



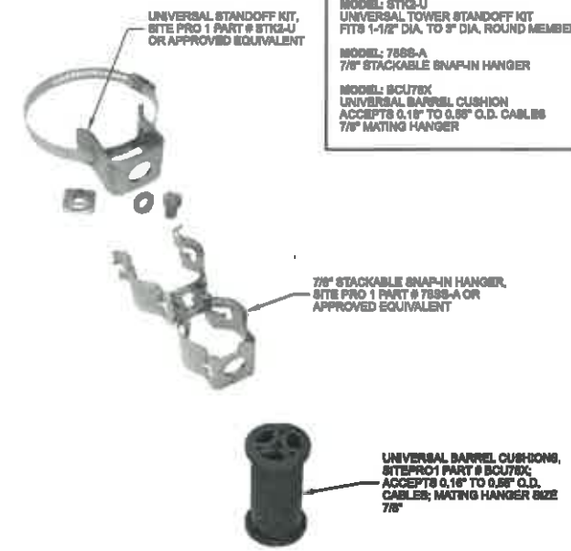
B EUPEN HYBRID CABLE

MANUFACTURER: SITE PRO 1

MODEL: STK3-U
UNIVERSAL TOWER STANDOFF KIT
FITS 1-1/2" DIA. TO 3" DIA. ROUND MEMBERS

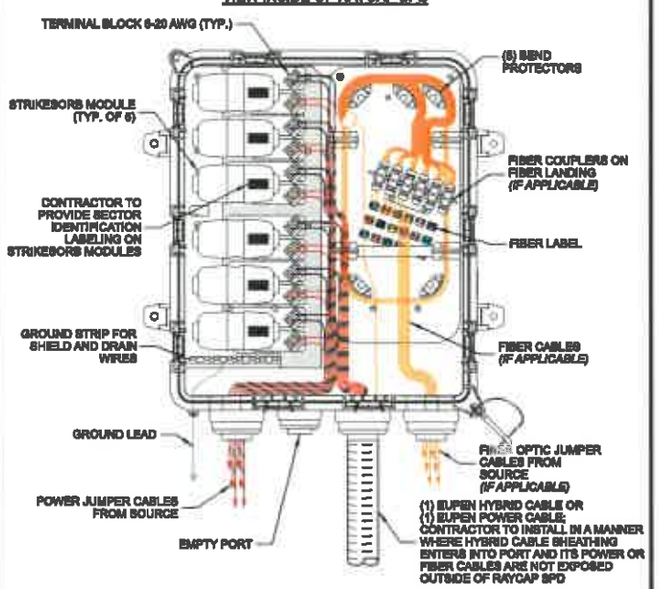
MODEL: 7SSS-A
7/8" STACKABLE SNAP-IN HANGER

MODEL: BCU78X
UNIVERSAL BARREL CUSHION
ACCEPTS 0.16" TO 0.56" O.D. CABLES
7/8" MATING HANGER



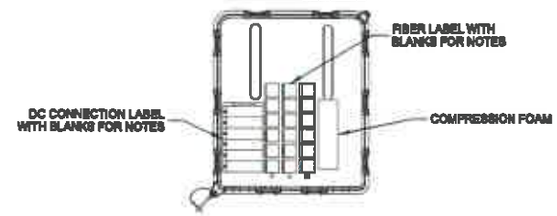
C JUMPER ATTACHMENT

VIEW INSIDE OF RAYCAP SPD



D RAYCAP SURGE PROTECTOR DEVICE (SPD) CABLING

VIEW INSIDE OF LID



TOP ROW

MID ROW

BASE ROW

E FIBER LABEL

THIS SPACE INTENTIONALLY LEFT BLANK

CONSULTANT:

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www.edgeconsult.com

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CHICAGO, IL 60631

CABLE DETAILS
CUMBERLAND DT (6022340)
CUMBERLAND, MARYLAND

SUBMITTAL:

INT.	DATE:	DESCRIPTION
TAB		REV. A
TAB		REV. B
LMK	10/1	REV. 0

CHECKED BY	LMK
PLOT DATE	10/14/2021
PROJECT NUMBER	30116
SET TYPE	FINAL
SHEET NUMBER	T-502

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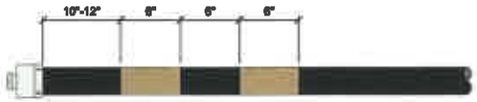
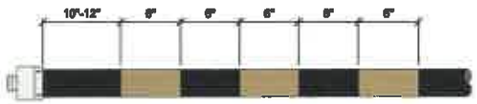
FIRST HYBRID CABLE INSTALLED



SECOND HYBRID CABLE INSTALLED (IF APPLICABLE)

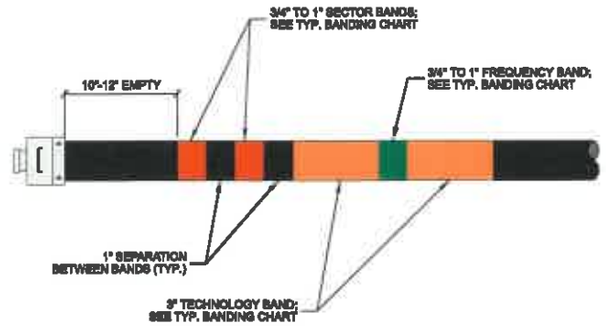


THIRD HYBRID CABLE INSTALLED (IF APPLICABLE)

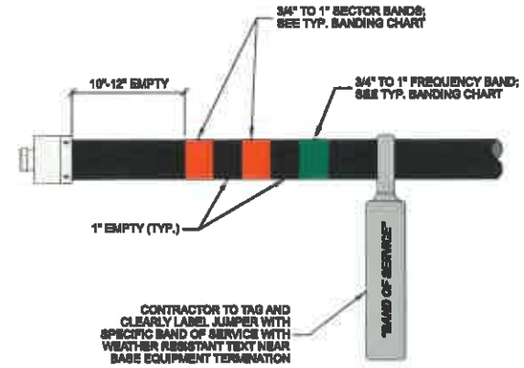
NOTES:

1. AT THE TOP OF THE TOWER/BUILDING/WATER TOWER AND AT THE ENTRY POINT OF THE GROUND LEVEL JUNCTION BOX, HYBRID CABLES MUST BE BANDED IN ACCORDANCE TO THE ILLUSTRATION ABOVE.
2. REFER TO LATEST EDITION OF U.S. CELLULAR STANDARD: STD72 TO VERIFY CURRENT COLOR CODING

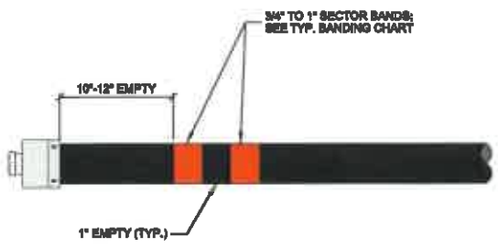
A TYP. HYBRID COLOR CODE



B TYP. COAX JUMPER BANDING



C TYP. POWER & FIBER JUMPER BANDING



RET SECTOR BAND			
SECTOR	ASSIGNED COLOR	LINE 1	LINE 2
ALPHA	RED	(1) RED BAND	(2) RED BANDS
BETA	WHITE	(1) WHITE BAND	(2) WHITE BANDS
GAMMA	BLUE	(1) BLUE BAND	(2) BLUE BANDS

D TYP. RET CABLE BANDING

SECTOR BAND (MOST COMMON CASE: SINGLE TECHNOLOGY WITHIN THE SECTOR)					
SECTOR	ASSIGNED COLOR	LINE 1	LINE 2	LINE 3	LINE 4
ALPHA	RED	(1) RED BAND	(2) RED BANDS	(3) RED BANDS	(4) RED BANDS
BETA	WHITE	(1) WHITE BAND	(2) WHITE BANDS	(3) WHITE BANDS	(4) WHITE BANDS
GAMMA	BLUE	(1) BLUE BAND	(2) BLUE BANDS	(3) BLUE BANDS	(4) BLUE BANDS
DELTA (IF APPLICABLE)	GREEN	(1) GREEN BAND	(2) GREEN BANDS	(3) GREEN BANDS	(4) GREEN BANDS
EPSILON (IF APPLICABLE)	VIOLET	(1) VIOLET BAND	(2) VIOLET BANDS	(3) VIOLET BANDS	(4) VIOLET BANDS
ZETA (IF APPLICABLE)	BROWN	(1) BROWN BAND	(2) BROWN BANDS	(3) BROWN BANDS	(4) BROWN BANDS

SECTOR BAND (EXCEPTION CASE: ALPHA SECTOR CDMA ON 1 & 4, LTE ON 2 & 3)					
SECTOR	ASSIGNED COLOR	LINE 1 (CDMA)	LINE 2 (LTE)	LINE 3 (LTE)	LINE 4 (CDMA)
ALPHA	RED	(1) RED BAND	(1) RED BAND	(2) RED BANDS	(2) RED BANDS

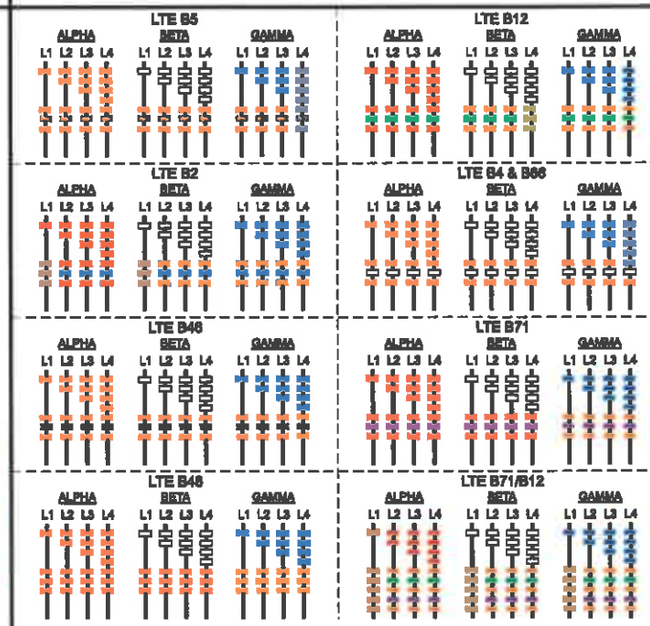
TECHNOLOGY BAND	
TECHNOLOGY	BANDING
CDMA	YELLOW
GSM	VIOLET
LTE	ORANGE

FREQUENCY BAND		
FREQUENCY	BAND	BANDING
600	B71	VIOLET
700	B12	GREEN
800/850	B5	BROWN
1900	B2	BLUE
2100	B4 & B66	WHITE
3600	B48 - CBRS	RED
5100	B46 - LAA	GREY

NOTE:

1. REFER TO LATEST EDITION OF U.S. CELLULAR STANDARD: STD72 TO VERIFY CURRENT COLOR CODING

E TYP. BANDING CHART



F TYP. COAX COLOR CODE STANDARD

CONSULTANT:

Edge Consulting Engineers, Inc.
624 WATER STREET
PRAIRIE DU SAC, WI 53578
608.644.1440 VOICE
608.644.1642 FAX
www.edgeconsult.com

CLIENT:

uscellular
U.S. CELLULAR
8410 W. BRYN MAWR AVE.
SUITE 700
CHICAGO, IL 60631

CABLE BANDING DETAILS
CUMBERLAND DT (682340)
CUMBERLAND, MARYLAND

SUBMITTAL:

INT.	DATE:	DESCRIPTION:
TAB	[illegible]	REV. A
TAB	[illegible]	REV. B
LMK	[illegible]	REV. C

DRAWN BY	LMK
PLOT DATE	10/14/2021
PROJECT NUMBER	30110
SET TYPE	FINAL
SHEET NUMBER	T-503

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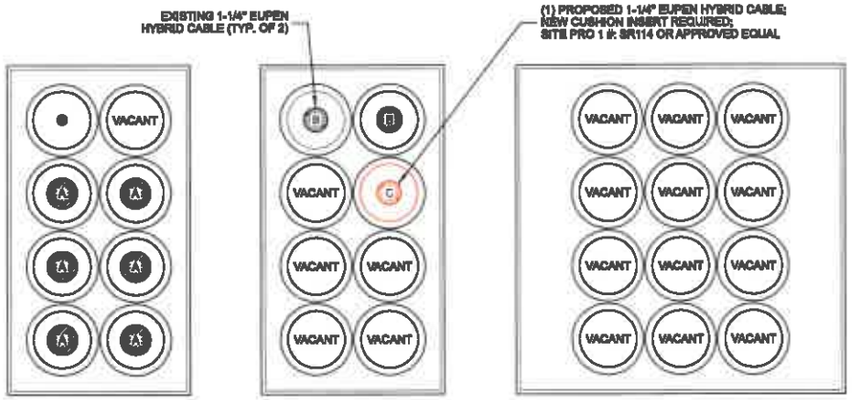

A PROPOSED EQUIPMENT ROOM COAX PORT (INTERIOR VIEW)

COAX SYMBOL	(#) SIZE	MOUNTING TYPE	CARRIER / OWNER	TECHNOLOGY
A	(6) 1-5/8"	BUILDING INTERIOR	U.S. CELLULAR	CDMA
B	(2) 1-1/4"	BUILDING INTERIOR	U.S. CELLULAR	HYBRID
C	(1) 1-1/4"	BUILDING INTERIOR	U.S. CELLULAR	HYBRID

B EQUIPMENT ROOM COAX PORTS

C EQUIPMENT ROOM COAX PORT

D CABLE ROUTING THROUGH CHIMNEY

E ROOFTOP CABLE BRACKETS

CONSULTANT:
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Consulting Engineers, Inc.
624 WATER STREET
PRINCE GEORGE, MD 20783
888.844.4440 VOICE
888.844.1848 FAX
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SUITE 700
CHICAGO, IL 60631

CABLE ROUTING
CUMBERLAND DT (682340)
CUMBERLAND, MARYLAND

SUBMITTAL

INIT.	DATE	DESCRIPTION:
TAS	07/09/2021	REV. A
TAS	08/10/2021	REV. B
LMK	10/14/2021	REV. C

CHECKED BY	LMK
PLOT DATE	10/14/2021
PROJECT NUMBER	30116
SET TYPE	FINAL
SHEET NUMBER	T-504

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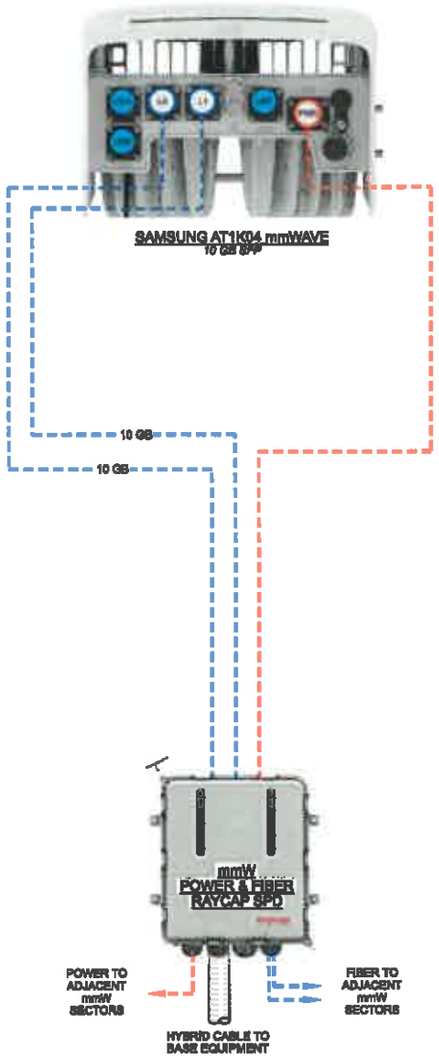
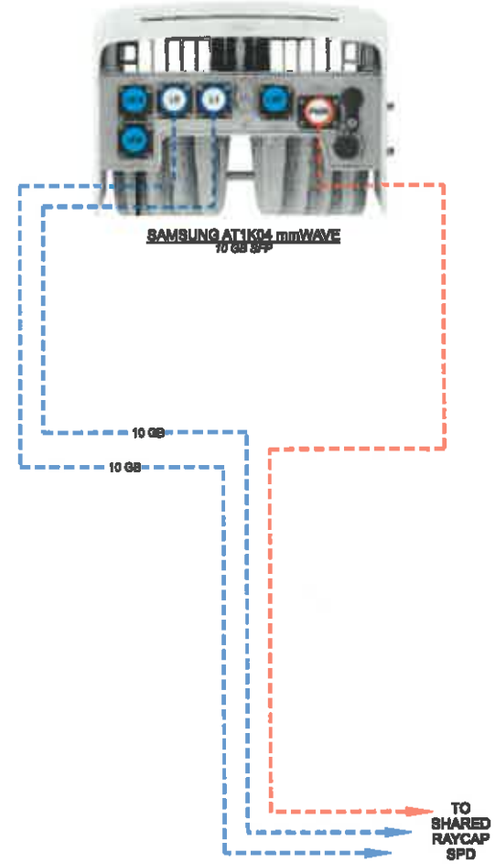
SAMSUNG// mmWAVE
PER SECTOR CONFIGURATION



SAMSUNG// mmWAVE
PER SECTOR CONFIGURATION



CABLE LEGEND

- EUPEN HYBRID CABLE
- FIBER JUMPER
- POWER JUMPER
- WEATHERPROOF CAP

DATE CREATED: 08/30/2021

PLUMBING DIAGRAM: SAMSUNG-mmWAVE

CONTAINS U.S. CELLULAR® CONFIDENTIAL INFORMATION. NOT FOR EXTERNAL USE OR DISCLOSURE WITHOUT PROPER AUTHORIZATION.

NOTES:

1. ALL JUMPERS BETWEEN RADIO UNITS & ANTENNAS MUST BE THE SAME LENGTH.
2. CONTRACTOR TO INSTALL WEATHERPROOF CAP ON ALL UN-USED PORTS.

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mmWAVE PLUMBING DIAGRAM
CUMBERLAND DT (682240)
CUMBERLAND, MARYLAND

SUBMITTAL:

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LMK	[illegible]	REV. C

CHECKED BY	LMK
PLOT DATE	10/14/2021
PROJECT NUMBER	30110
SET TYPE	FINAL
SHEET NUMBER	T-505

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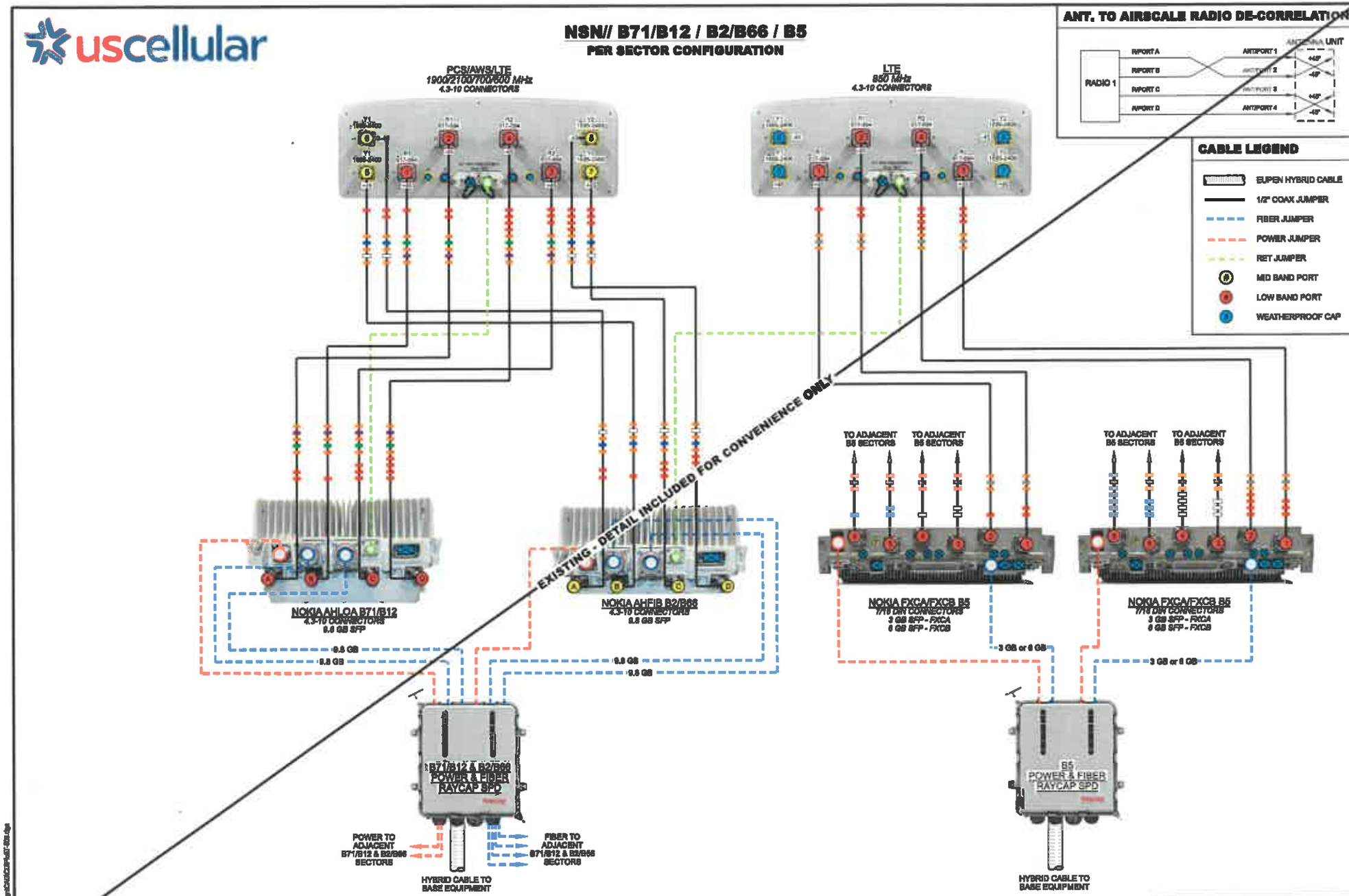
NSN// B71/B12 / B2/B66 / B5

PER SECTOR CONFIGURATION



PLUMBING DIAGRAM: DX210F

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DATE CREATED: 08/04/2021

NOTES:

1. ALL JUMPERS BETWEEN RADIO UNITS & ANTENNAS MUST BE THE SAME LENGTH. CONTRACTOR TO INSTALL WEATHERPROOF CAP ON ALL UN-USED PORTS.

CONSULTANT:
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684 WATER STREET
PRAIRIE DU SAC, WI 53578
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8410 W. BRYN MAWR AVE.
SUITE 700
CHICAGO, IL 60631

EXISTING MODERNIZATION PLUMBING DIAGRAM

CUMBERLAND DT (682340)
CUMBERLAND, MARYLAND

SUBMITTAL:

INT.	DATE	DESCRIPTION:
TAB	[illegible]	REV. A
TAB	[illegible]	REV. B
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CHECKED BY	LMK
PLOT DATE	10/14/2021
PROJECT NUMBER	30116
SET TYPE	FINAL
SHEET NUMBER	T-506

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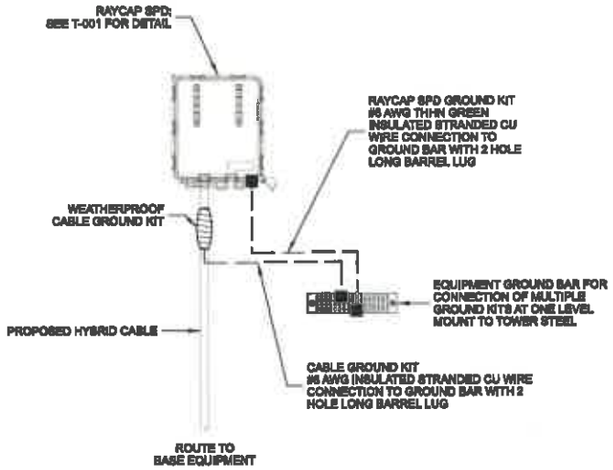
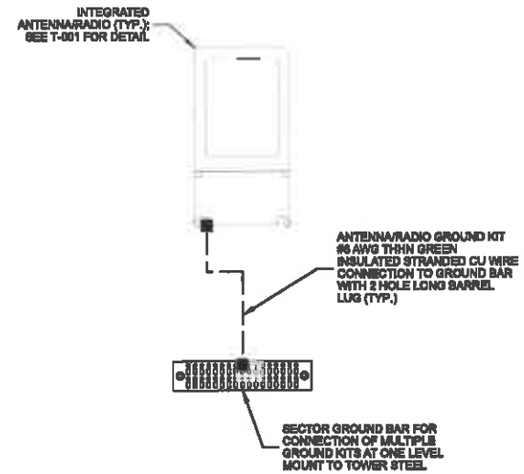


A TYPICAL UPPER RAYCAP SPD GROUNDING

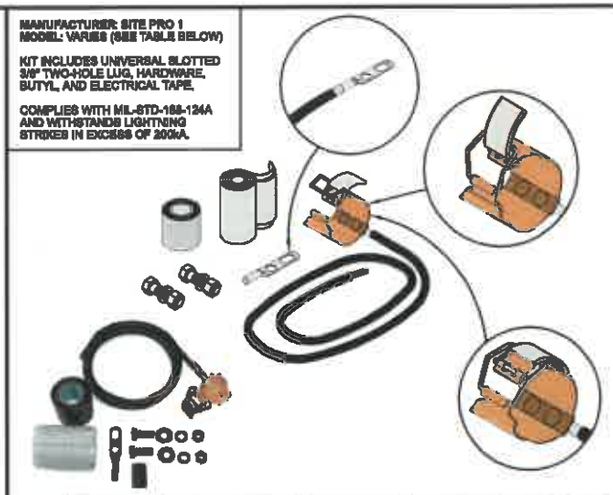


B TYPICAL UPPER ANTENNA/RADIO GROUNDING

MANUFACTURER: SITE PRO 1
MODEL: VARIES (SEE TABLE BELOW)

KIT INCLUDES UNIVERSAL SLOTTED 3/8" TWO-HOLE LUG, HARDWARE, BUTYL, AND ELECTRICAL TAPE.

COMPLIES WITH MIL-STD-188-124A AND WITHSTANDS LIGHTNING STRIKES IN EXCESS OF 200kA.



PART #	CABLE SIZE & TYPE	LENGTH	LUG	WEIGHT
GK-C12	1/2" CORRUGATED	5'	UNATTACHED	1.60 LB.
GK-C78	7/8" CORRUGATED	5'	UNATTACHED	1.65 LB.
GK-C114	1-1/4" CORRUGATED	5'	UNATTACHED	1.70 LB.
GK-C158	1-5/8" CORRUGATED	5'	UNATTACHED	1.70 LB.
GK-C214	2-1/4" CORRUGATED	5'	UNATTACHED	1.80 LB.

C CLIP ON GROUND KIT

THIS SPACE INTENTIONALLY LEFT BLANK

CONSULTANT:
Edge
Consulting Engineers, Inc.
624 YADKIN STREET
FAYETTEVILLE, NC 28303
910.864.1445 VOICE
910.864.1540 FAX
www.edgeconsult.com

CLIENT:
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U.S. CELLULAR
8410 W. BRYN MAWR AVE.
SUITE 700
CHICAGO, IL 60631

GROUNDING DETAILS
CUMBERLAND DT (6823-40)
CUMBERLAND, MARYLAND

SUBMITTAL:

INT.	DATE	DESCRIPTION
TAB	[illegible]	REV. A
TAB	[illegible]	REV. B
LMK	[illegible]	REV. C

CHECKED BY	LMK
PLOT DATE	10/14/2021
PROJECT NUMBER	30116
SET TYPE	FINAL
SHEET NUMBER	E-501

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File Attachments for Item:

5. 532 Washington Street - COA21-000031 - Removing asphalt driveway and replacing with granite cobblestones - DNA Lawn and Landscaping LLC., representative

Request for Certificate of Appropriateness
Presentation of Information
By Terri Hast

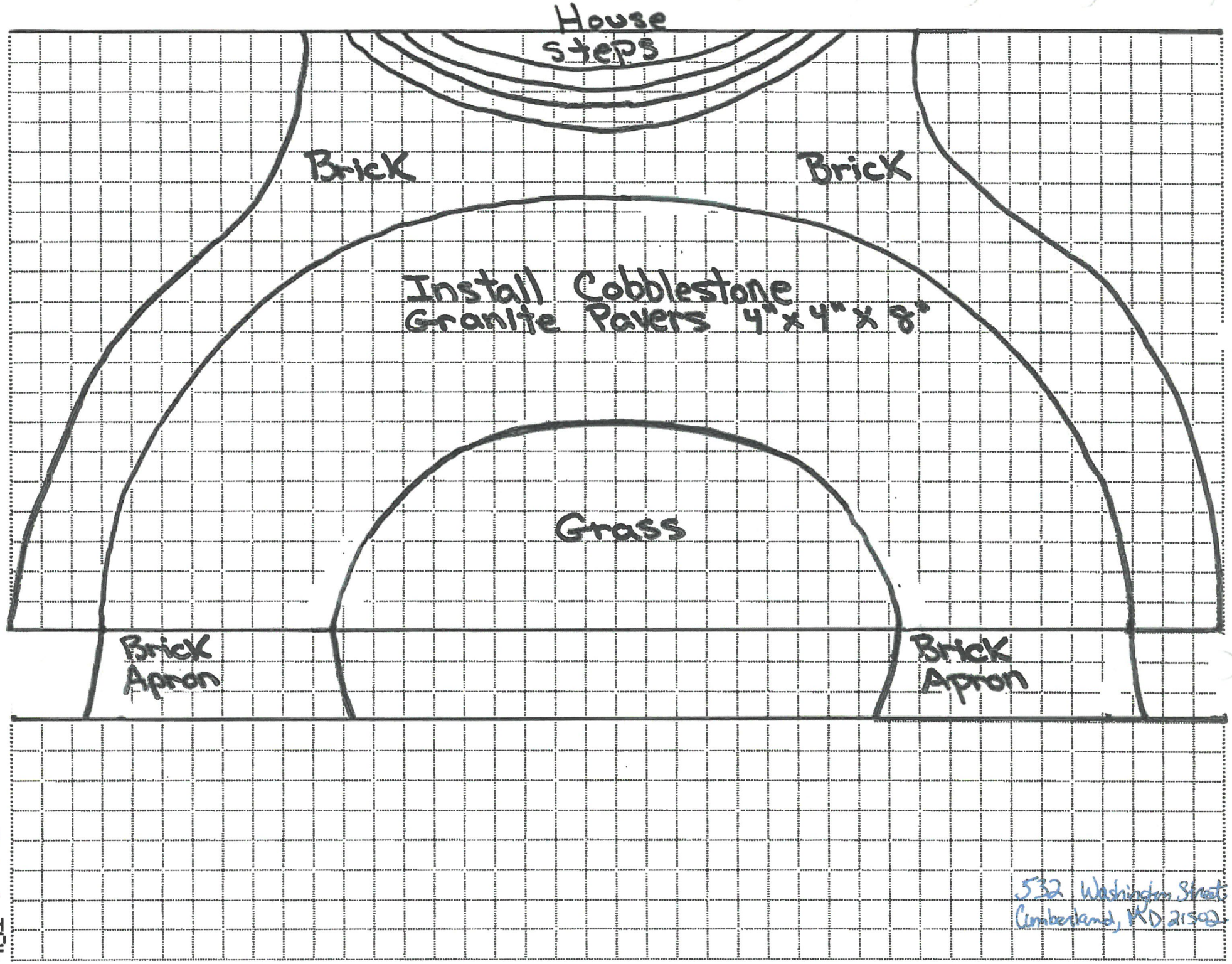
COA#21-000031
Address: 532 Washington St.
Project Contact: Dave Aydelotte Jr.

Project Summary: The applicant is applying of ra certificate of Appropriateness to remove asphalt and replace with granite cobblestone set in plymer sand. The bricks lining the driveway and sidewalk would be taken up, leveled, and reset. This will also provide better drainage.

This cobblestone is more durable and is historically accurate to the property.

Therefore, this driveway and sidewalk area are big reviewed following Chapter 5, Design Guidelines for Site Design.

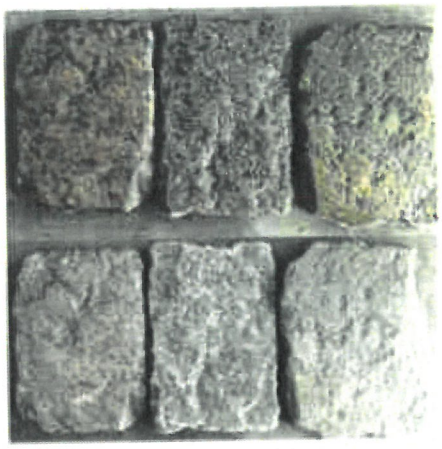
The sections of the Preservation Guidelines that pertain to this application are: Guideline 65: Landscaping (Hardscape).

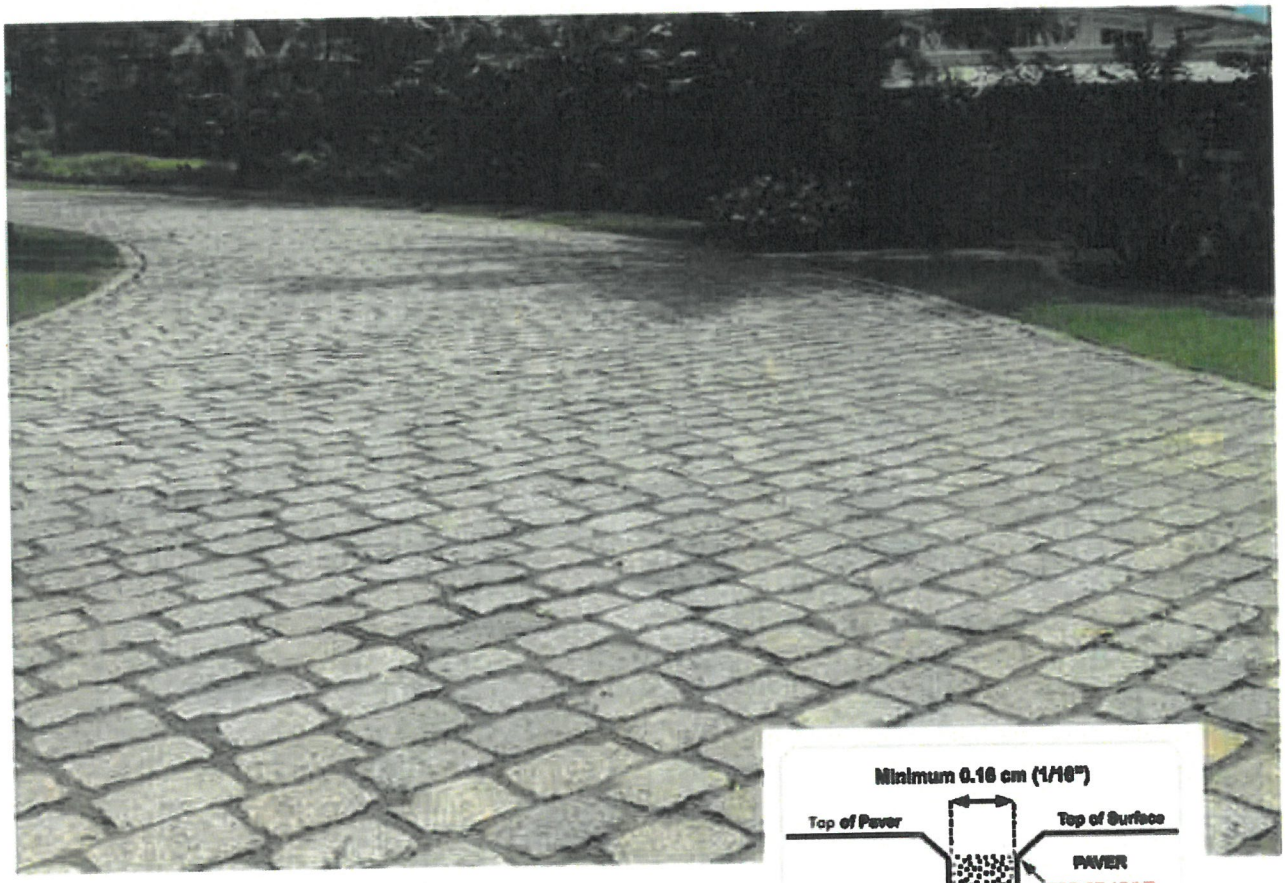


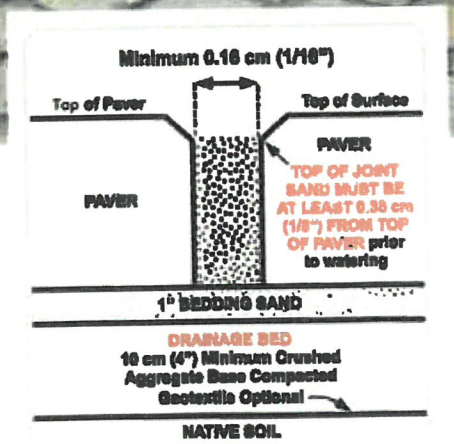
Attachment H

TOL

Cobblestone Examples:







Rose

Attachment C

208 Hawthorne Hollow Drive
Madisonville, LA 70447
October 26, 2021

City of Cumberland
Department of Community Development
57 N Liberty Street
Cumberland, MD 21502

RE: Certificate of Appropriateness Permit for 532 Washington Street Driveway Project

Dear Commission,

We are writing you today to request your urgent review and approval of the driveway remodel that needs to be completed at 532 Washington Street. The asphalt of the driveway has deteriorated significantly and needs to be fixed. Based on what we can see, someone paved over a type of cobblestone many years ago. Additionally, the bricks surrounding the perimeter of the driveway nearest to the house, as well as the city sidewalk bricks have all become uneven. We have received several reports of people tripping and getting hurt outside of our property.

To rectify the driveway as well as the sidewalks we have hired a company the specializes in this type of hardscape work. They actually installed a granite driveway for us at our primary home in Madisonville, LA in 2020. Please see Attachment I as a reference of their workmanship.

Using Attachments A, B, C, D, E, F you can see 532 Washington Street from the right, left, and center. What you will see is the degradation of the asphalt as well as the uneven bricks from settling, weather, and the trees that are growing roots underneath. Brickstone Pavers and Design will remove the current bricks and asphalt. The green space in the middle

will still remain. The entire area will be graded and a strong underlayment/gravel base will be installed. Next, a sand base on top of the gravel base will be installed. Finally, the 4x4x8in granite cobble stones will be laid with polymer sand spread between the granite cobble stones. The rose-colored granite cobblestone (Attachment G) is attached for your reference. Lastly, the existing historic red brick will be laid back down on the perimeter of the driveway and sidewalk. This will allow for a more usable driveway, smooth surface, and proper drainage. We estimate that this project will cost approximately $100,000 and will take one week to complete.

Attachment H is a rendering we created as we could not find anyone in Cumberland to create a rendering in a timely manner. The rendering indicates everything we stated in the above paragraph.

This is a very straightforward project to restore the driveway to its historical appropriateness while correcting the issues the current driveway has as well as the sidewalks. Please let us know if you need any more information as winter is setting in soon and we would like to complete this prior to winter.

Sincerely,

Dr. Sajal Roy

File Attachments for Item:

6. Staff updates

Historic Preservation Commission
Member Term Listing

Name	Expiration	Area of Interest and/or Secretary of the Interior's Professional Qualifications
Dr. Lincoln Wilkins, Jr.	October 6, 2023	Special Interest/Blackwater Brewing Company
Mr. Tim Hoffman	December 31, 2023	Architect
VACANT, Vice President	December 31, 2022	
Dr. Stephen Gibson, President	January 1, 2023 (Exp. 1/1/22)	History/SOI History
Mr. Larry Jackson	January 1, 2023	Special Interest/Music Instructor
Mr. Chris Myers	December 31, 2022	Special Interest/Engineering
Dr. Michael Garrett	December 31, 2022	Special Interest/Mathmatics/Engineering/Computer Science
Councilwoman Laurie Marchini	Ex-Officio Member	Mayor and City Council Representative