



1150 SHENANDOAH VILLAGE DRIVE
WAYNESBORO, VA 22980

**EARLYSVILLE WT
CV330**
EXISTING WATER TANK SITE
INSTALLATION OF LTE EQUIPMENT



1150 SHENANDOAH VILLAGE DRIVE
WAYNESBORO, VA 22980

SITE NAME: EARLYSVILLE WT

SITE NUMBER: CV330

SITE ADDRESS:
391 REAS FORD ROAD
EARLYSVILLE, VA 22936

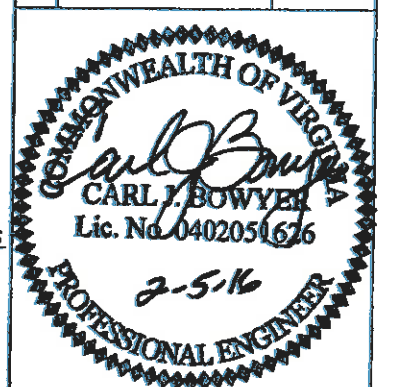
AREA:
LEASE AREA = 160 SQ. FT.

TOWER OWNER:
4F, LLC
395 REAS FORD ROAD
EARLYSVILLE, VA 22936

LATITUDE: N38° 08' 35"

LONGITUDE: W78° 29' 37"

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/22/15
2	ISSUE FOR APPROVAL	05/04/15
3	ISSUE FOR CONSTRUCTION	06/22/15
4	REISSUE FOR COMMENT	01/20/16
5	REISSUE FOR CONSTRUCTION	02/05/16

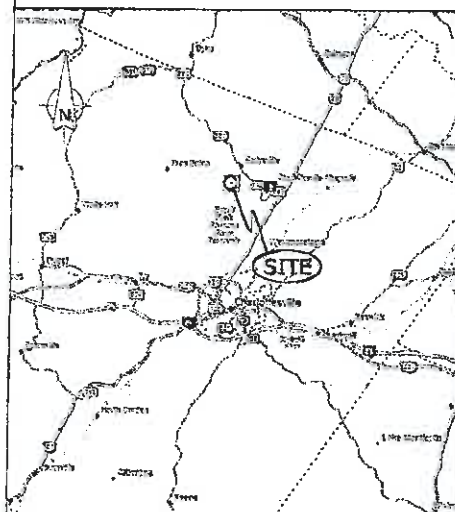


**Mead
Hunt**

400 TRACY WAY
SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE

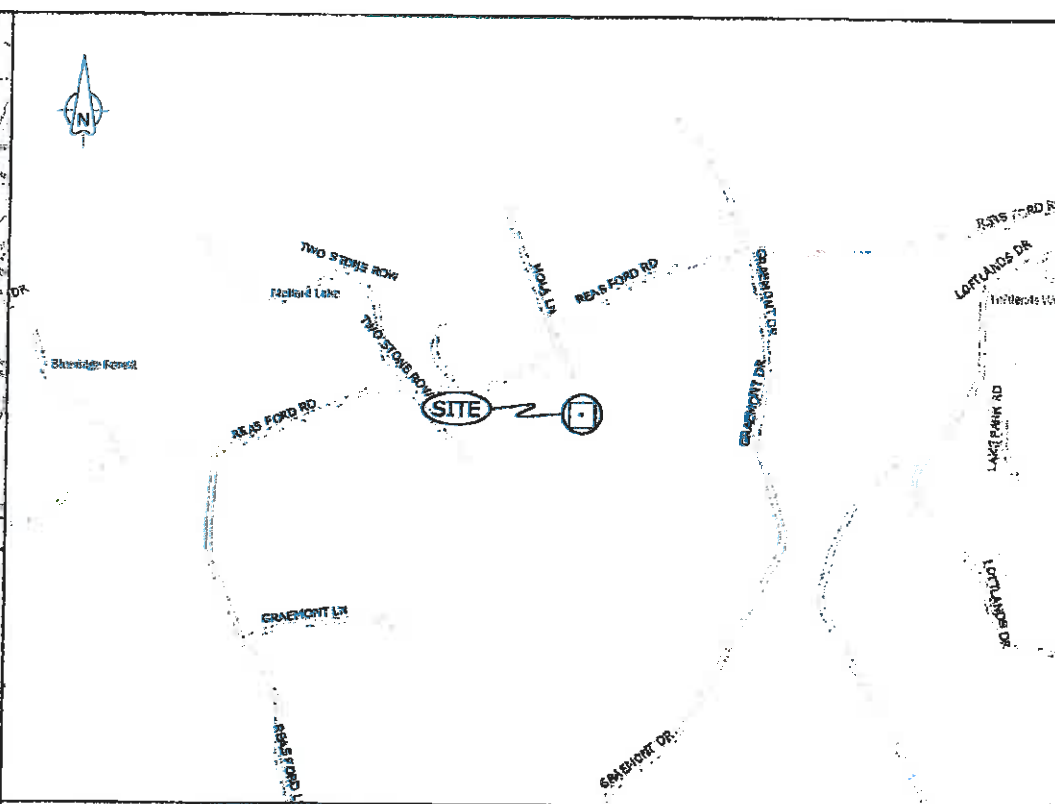
PROJECT # R4022100-150768.01

TITLE SHEET
T-1



AREA MAP

DESIGN ENGINEER
**Mead
Hunt**
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX



VICINITY MAP

SITE DIRECTIONS

FROM WAYNESBORO: HEAD SOUTHWEST ON SHENANDOAH VILLAGE DRIVE (0.9 MI). TURN RIGHT ONTO P. BUCKLEY MOSS DRIVE (0.1 MI). TURN RIGHT TO MERGE ONTO I-64 E TOWARD RICHMOND (12.7 MI). TAKE EXIT 107 FOR US-250 TOWARD CROZET/YANCEY MILLS (0.2 MI). TURN LEFT ONTO US-250 E (7.4 MI). TURN LEFT ONTO OWENSVILLE RD (4.2). TURN RIGHT ONTO GARTH RD (1.1 MI). TURN LEFT ONTO STATE RTE 601 (0.8 MI). TURN RIGHT ONTO WOODLANDS RD (1.6 MI). TURN LEFT ONTO STATE RTE 660 (3.0 MI). TURN RIGHT INTO DRIVEWAY LOCATED AT: N38° 08' 39.35", W78° 29' 38.98". FOLLOW DRIVEWAY FOR 425 FEET. DESTINATION IS ON THE RIGHT.

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SITE DATA
NAD 83 LATITUDE -- N38° 08' 35"
NAD 83 LONGITUDE -- W78° 29' 37"

LEASE AREA
160 SQUARE FEET

PROJECT DESCRIPTION
INSTALLATION OF NEW ANTENNAS ON
EXISTING WATER TANK AND OUTDOOR
EQUIPMENT ON EXISTING EQUIPMENT PAD.
NEW UTILITY RUNS TO SITE.

JURISDICTION
ALBEMARLE COUNTY

CONTACTS
nTELOS (CONSTRUCTION)
BEN PIERCE
(804) 218-5474 -- PHONE
7501 BOULDERS VIEW DR., SUITE 600
RICHMOND, VA 23225
nTELOS (LEASING)
DEBBIE BALSER
(540) 941-4220x3071 -- PHONE
(540) 941-4106 -- FAX
MEAD & HUNT
CURTIS PAXTON
(304) 553-8103 -- PHONE
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311

SHEET T-1	TITLE SHEET
SHEET L-1	PROPERTY EXHIBIT
SHEET C-1	EXISTING CONDITIONS
SHEET C-2	PROPOSED SITE PLAN
SHEET C-3	HYBRIFLEX CABLE DIAGRAM
SHEET C-4	ANTENNA DIAGRAM
SHEET C-5	WATER TANK ELEVATION
SHEET C-6	ANTENNA DETAILS
SHEET C-7	ANTENNA/RRH MOUNTING DETAILS
SHEET E-1	UTILITY SERVICE PLAN
SHEET G-1	GROUNDING PLAN
SHEET D-1	MISCELLANEOUS DETAILS
SHEET D-2	MISCELLANEOUS DETAILS
SHEET D-3	EQUIPMENT FRAME DETAIL
SHEET D-4	H-FRAME DETAILS
SHEET D-5	ELECTRICAL NOTES
SHEET D-6	GENERAL NOTES

MEI STRUCTURAL CONSULTANTS DRAWINGS

SHEET T01	TITLE SHEET & TECH. SPEC NOTES
SHEET S01	NEW RAILING ANTENNA MOUNT VIEWS & DETAILS
SHEET S02	NEW VERTICAL BRACE DETAILS

SHEET INDEX

POLICE/FIRE/RESCUE
911

ELECTRIC POWER
DOMINION VIRGINIA POWER
CONTACT: CUSTOMER SERVICE
PHONE#: 866-366-4357

TELEPHONE
CENTURYLINK
CONTACT: CUSTOMER SERVICE
PHONE#: 877-837-5738

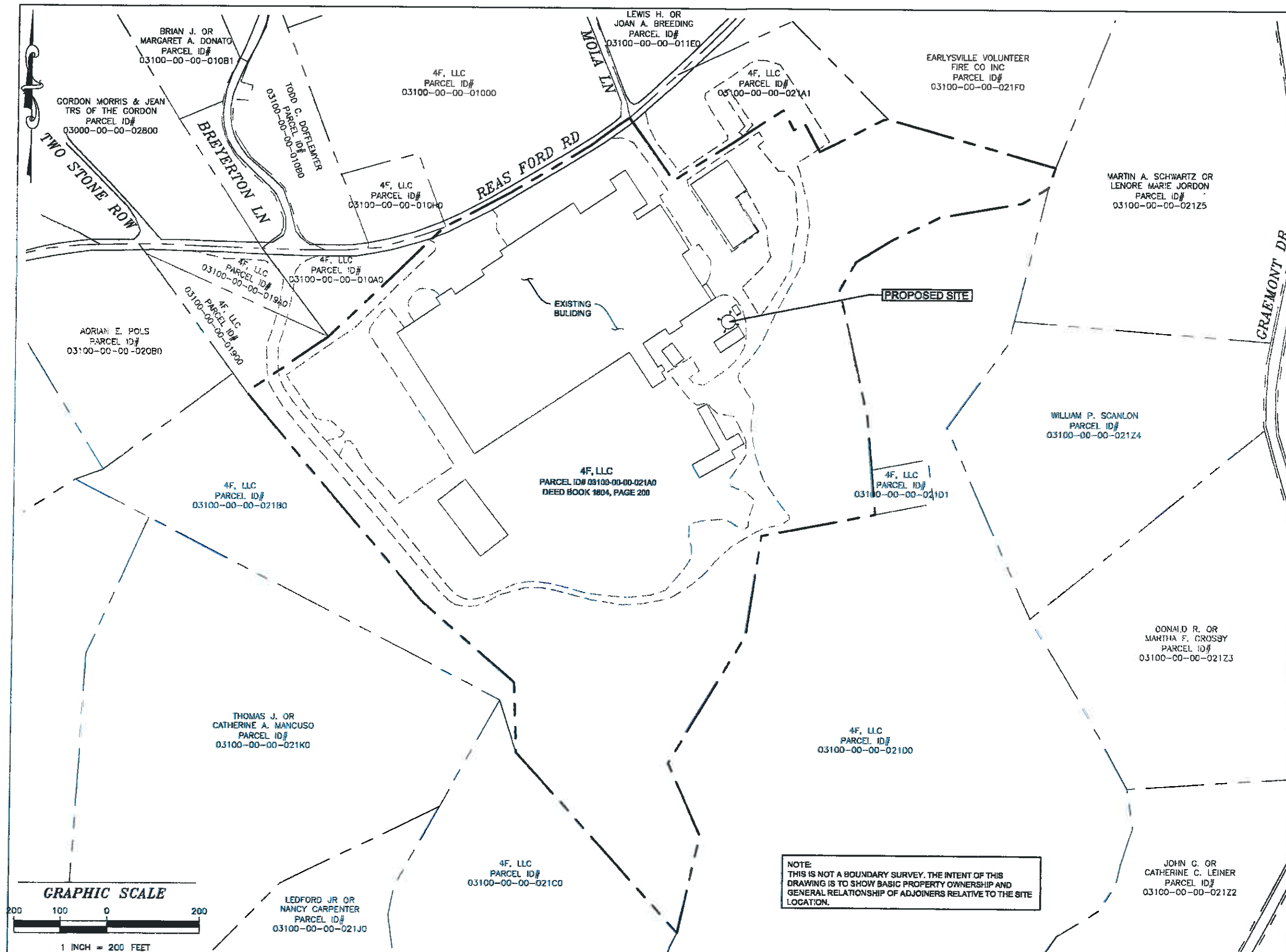
nTELOS NOC
(800) 566-9568 -- PHONE

CONSULTANT TEAM

DIRECTIONS TO SITE

PROJECT INFORMATION

EMERGENCY AND UTILITY CONTACTS



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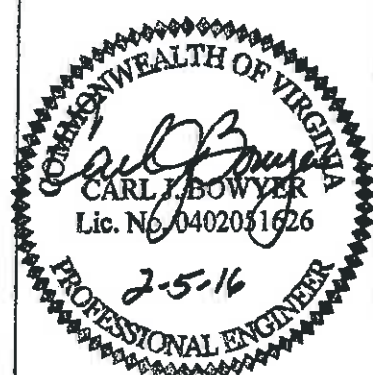
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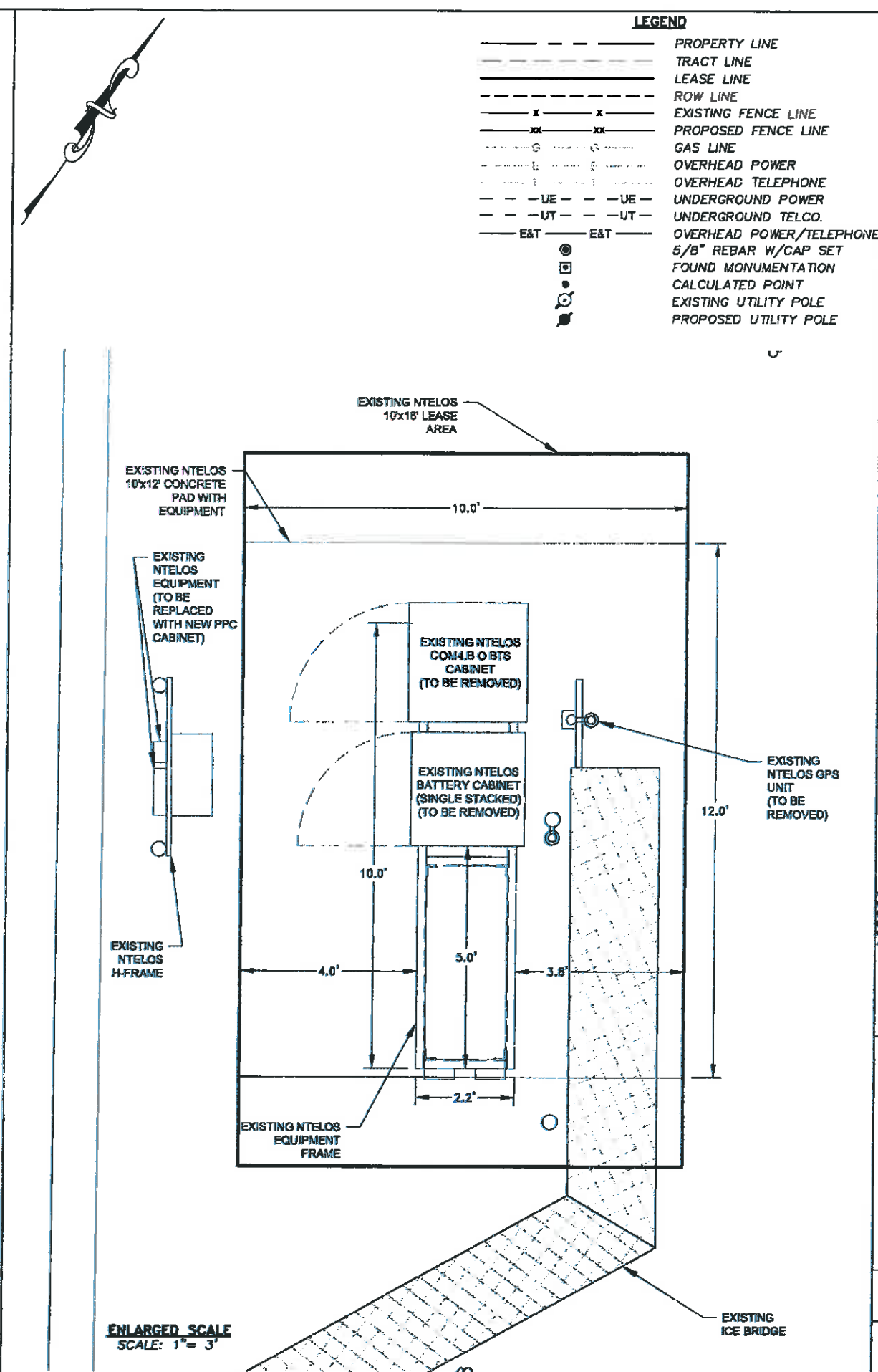
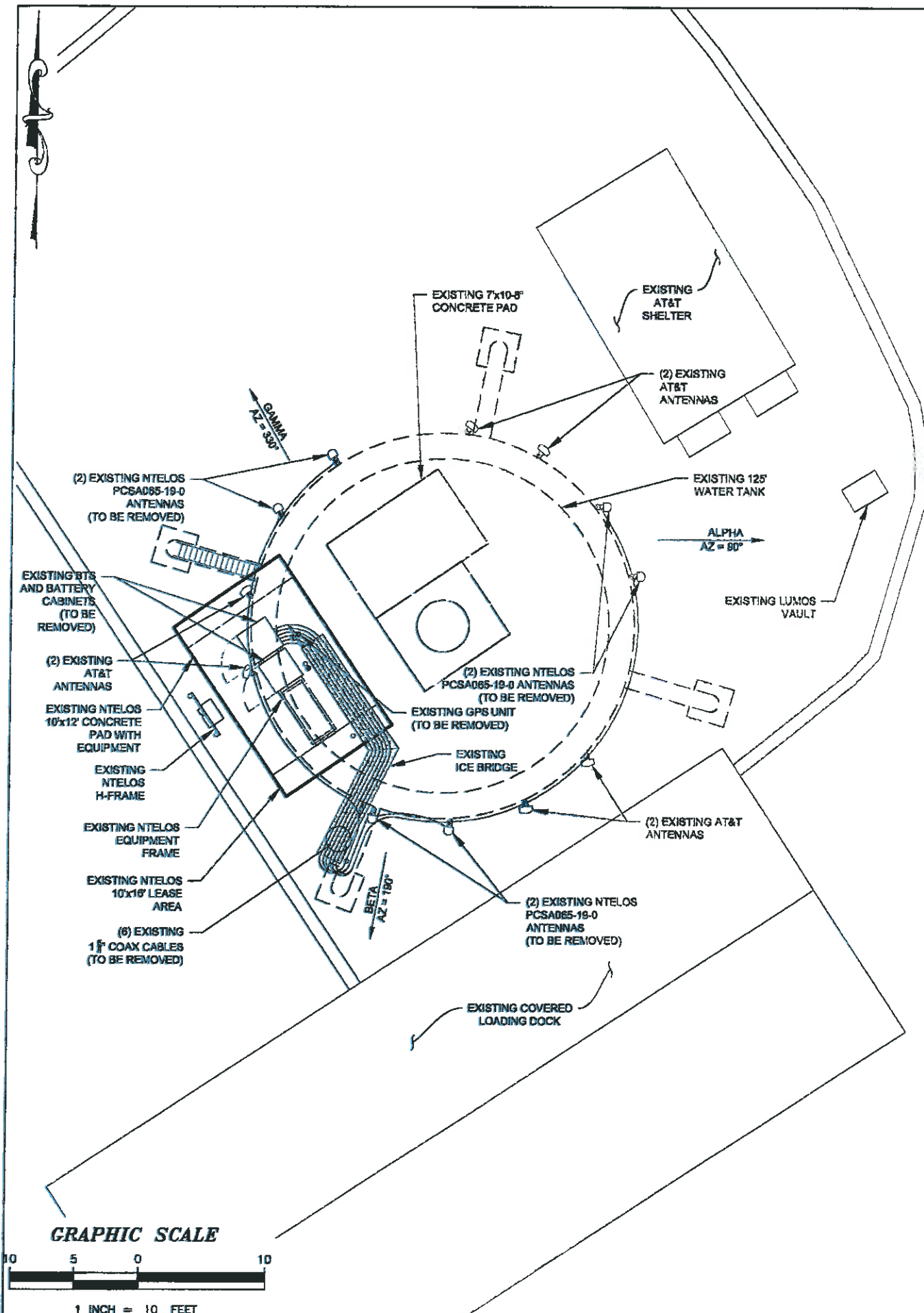


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PROJECT # R4022100-150768.01

PROPERTY EXHIBIT
SHEET
L-1



LEGEND

---	PROPERTY LINE
---	TRACT LINE
---	LEASE LINE
---	ROW LINE
-x-x-	EXISTING FENCE LINE
-xx-xx-	PROPOSED FENCE LINE
---	GAS LINE
---	OVERHEAD POWER
---	OVERHEAD TELEPHONE
-UE-UE-	UNDERGROUND POWER
-UT-UT-	UNDERGROUND TELCO.
E&T E&T	OVERHEAD POWER/TELEPHONE
●	5/8" REBAR W/CAP SET
○	FOUND MONUMENTATION
○	CALCULATED POINT
○	EXISTING UTILITY POLE
○	PROPOSED UTILITY POLE

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EXISTING CONDITIONS	SHEET
	C-1



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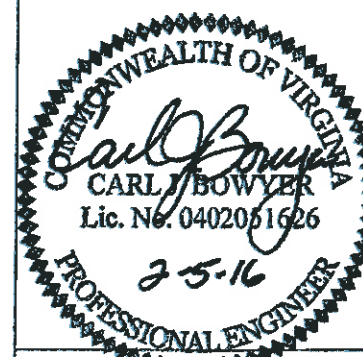
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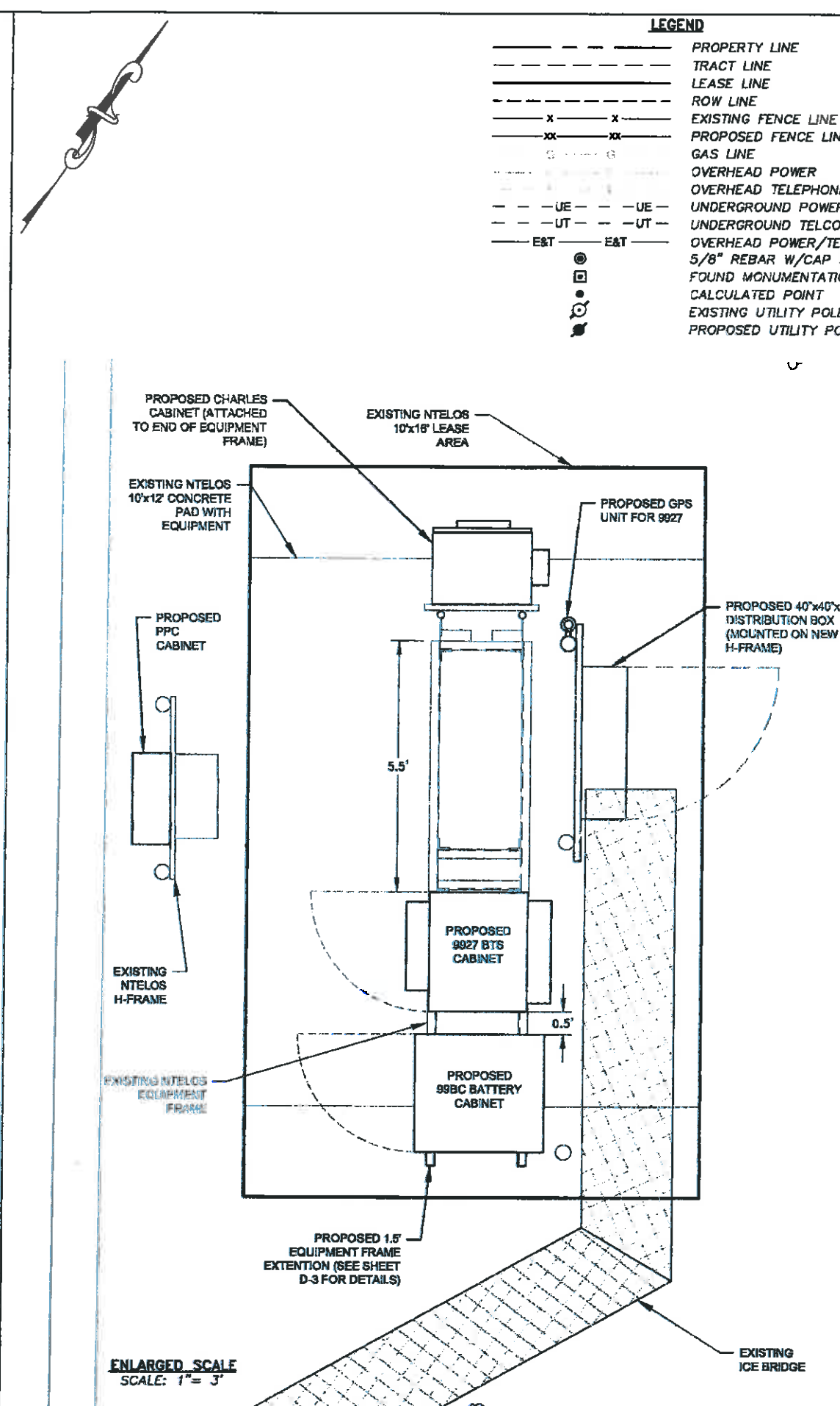
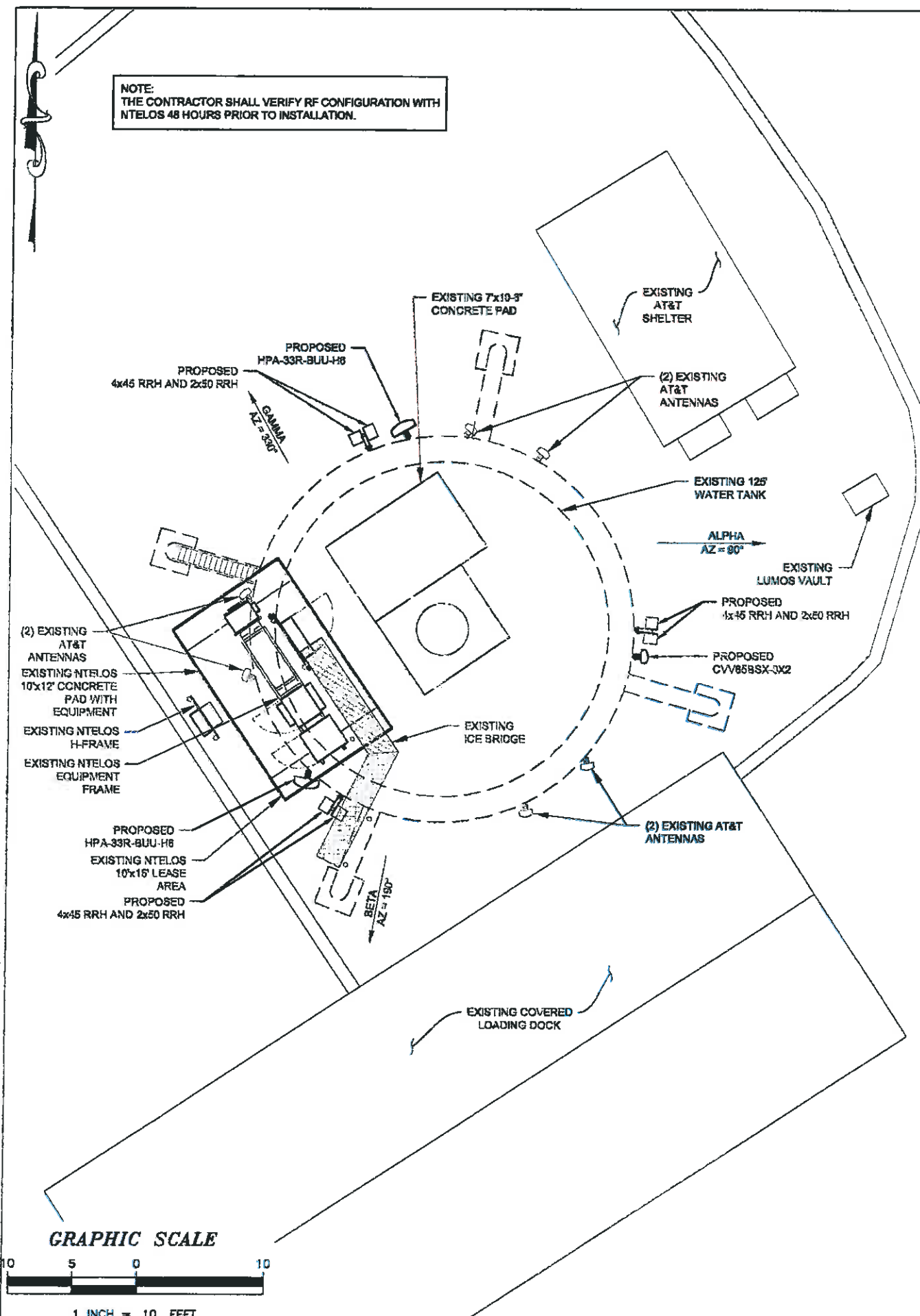
PROJECT # R4022100-150768.01

PROPOSED SITE
PLAN

SHEET
C-2

LEGEND

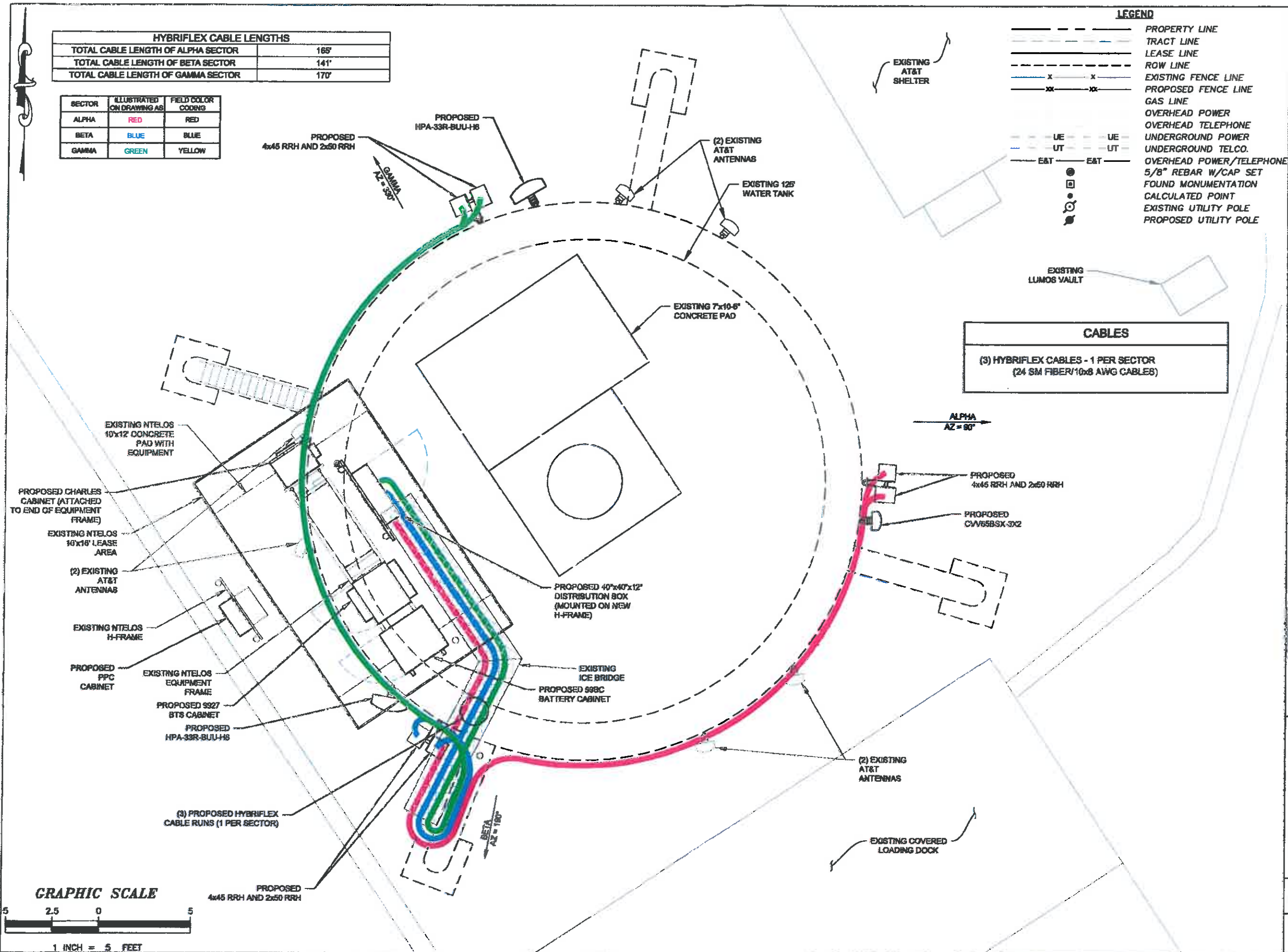
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---	OVERHEAD POWER
---	OVERHEAD TELEPHONE
---	UNDERGROUND POWER
---	UNDERGROUND TELCO.
---	OVERHEAD POWER/TELEPHONE
---	5/8" REBAR W/CAP SET
---	FOUND MONUMENTATION
---	EXISTING UTILITY POLE
---	PROPOSED UTILITY POLE



ENLARGED SCALE
SCALE: 1" = 3'

HYBRIFLEX CABLE LENGTHS	
TOTAL CABLE LENGTH OF ALPHA SECTOR	165'
TOTAL CABLE LENGTH OF BETA SECTOR	141'
TOTAL CABLE LENGTH OF GAMMA SECTOR	170'

SECTOR	ILLUSTRATED ON DRAWING AS	FIELD COLOR CODING
ALPHA	RED	RED
BETA	BLUE	BLUE
GAMMA	GREEN	YELLOW



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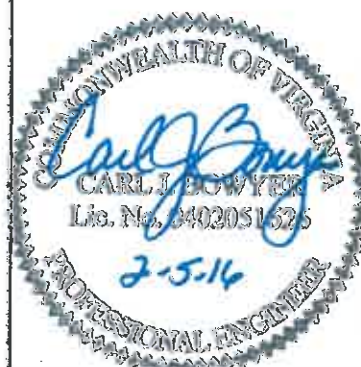
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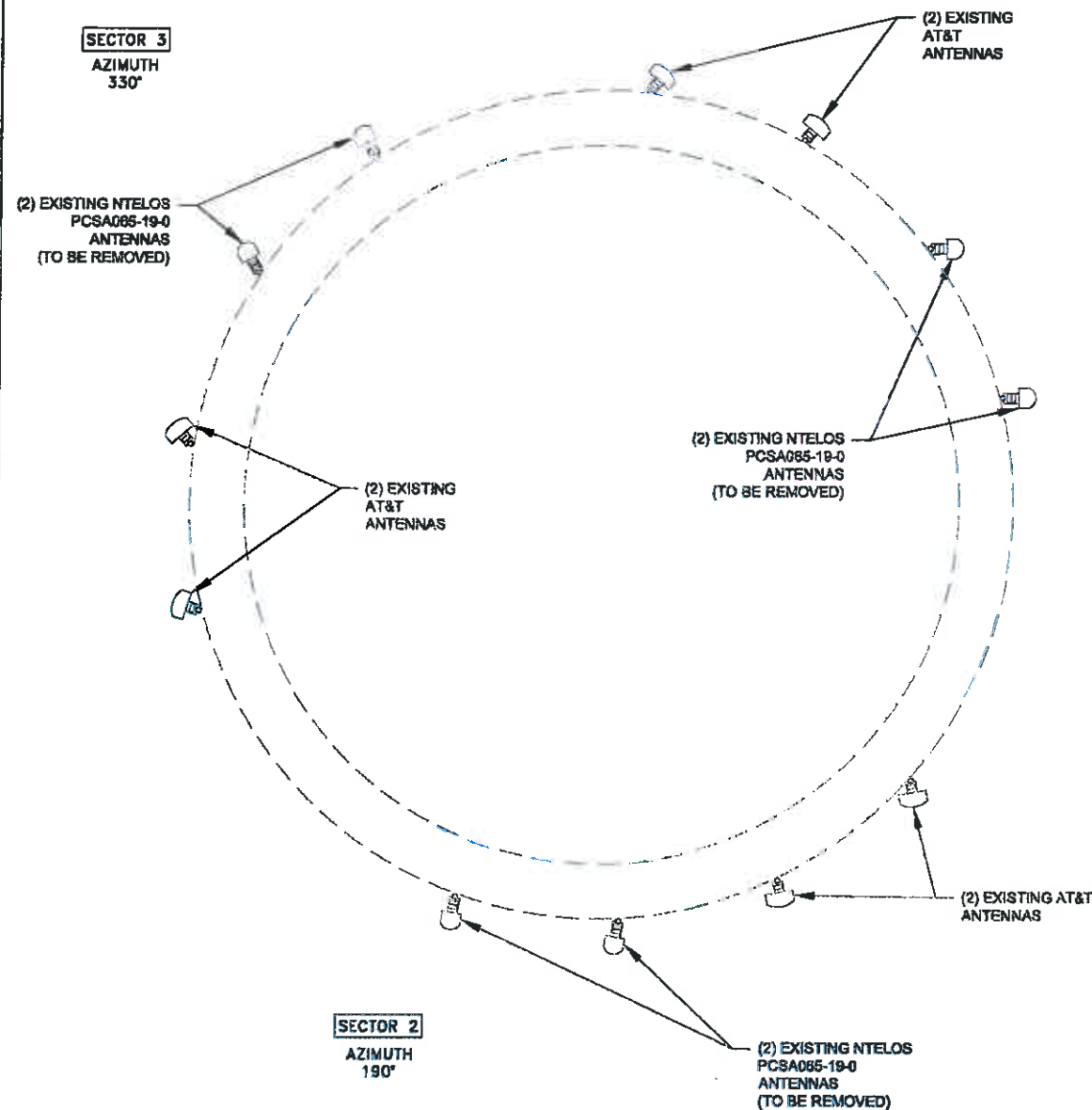


Mead Hunt

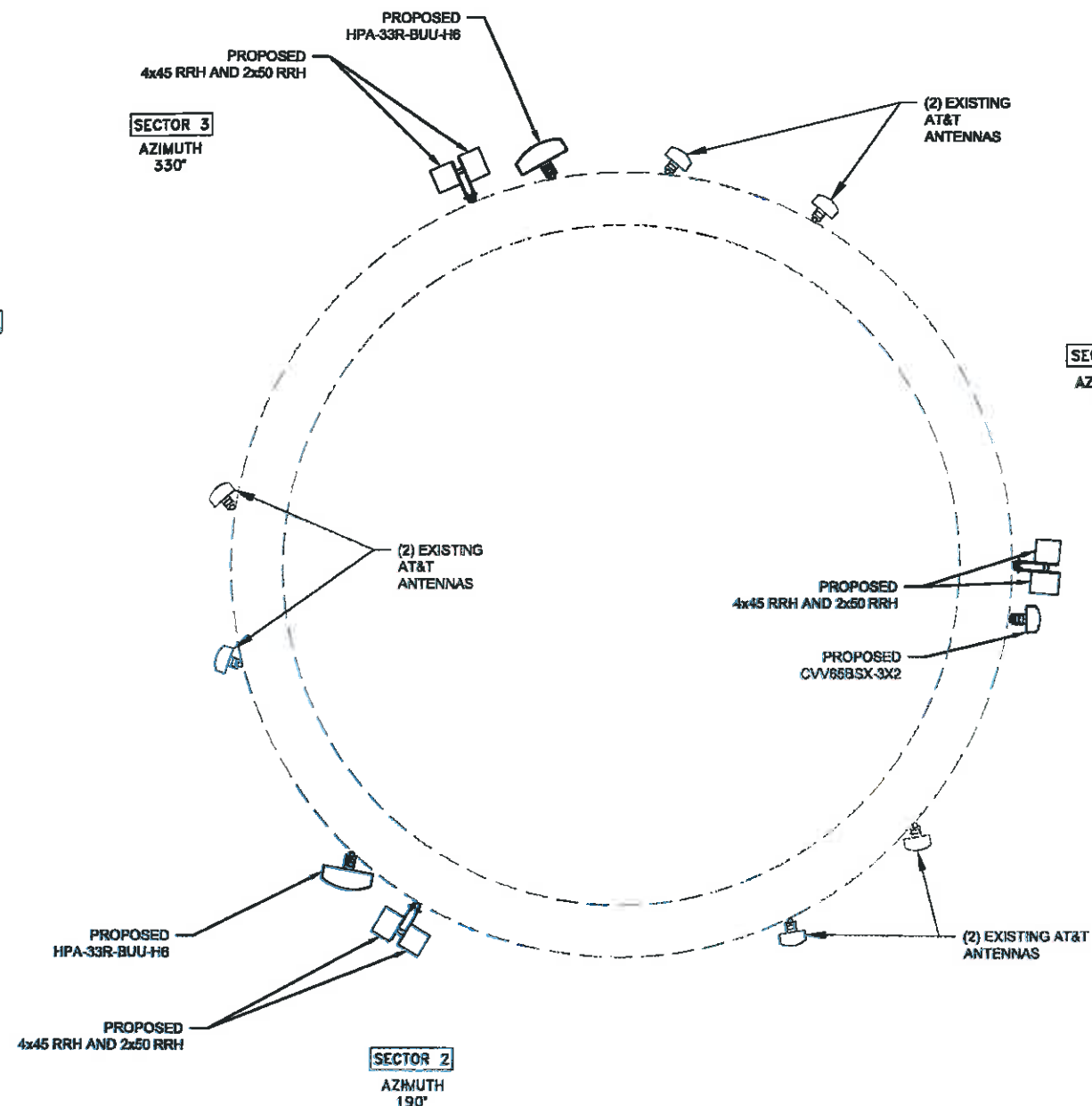
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HYBRIFLEX CABLE DIAGRAM	SHEET
	C-3



EXISTING ANTENNA CONFIGURATION
NOT TO SCALE



PROPOSED ANTENNA CONFIGURATION
NOT TO SCALE

NOTES:

1. TOWER AND TOWER FOUNDATION DESIGN HAS BEEN PREPARED AND PROVIDED BY OTHERS. REFER TO MANUFACTURE'S APPROVED TOWER DRAWINGS OR CURRENT STRUCTURAL ANALYSIS. THE RF RAD CENTER OF THE PROPOSED ANTENNAS AND MOUNTING PLATFORM ARE BASED ON INFORMATION PROVIDED THROUGH NTELOS.
2. THIS DRAWING IS A GRAPHICAL REPRESENTATION OF THE TOWER, THE RF RAD CENTER OF THE PROPOSED ANTENNAS AND PROPOSED MOUNTING PLATFORM/SECTOR FRAME BASED ON INFORMATION PROVIDED THROUGH NTELOS, AND/OR ANALYZED BY OTHERS. MEAD & HUNT CERTIFIES ONLY THAT INFORMATION PROVIDED TO MEAD & HUNT FOR THE PREPARATION OF THESE PLANS AND IS NOT CERTIFYING NOR WARRANTING THE DESIGN NOR VERIFYING THE ANALYTICAL RESULTS OF THE STRUCTURAL ANALYSIS PERFORMED BY OTHERS.
3. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE PROPOSED CABLES, CABLE LADDER, AND/OR OTHER CABLE SUPPORTING SYSTEM PER CURRENT STRUCTURAL ANALYSIS.
4. ALL COAX CABLES SHALL BE STACKED IN ACCORDANCE WITH THE CURRENT STRUCTURAL ANALYSIS. THE CONTRACTOR OR SUBCONTRACTOR SHALL FURNISH AND INSTALL CABLE LADDER RACK, CABLE TRAYS, ETC., AND/OR CONDUIT AS REQUIRED TO SUPPORT CABLES.
5. THE CONTRACTOR SHALL VERIFY WITH NTELOS 48 HOURS PRIOR TO INSTALLATION OF ALL EQUIPMENT/RF CONFIGURATION AND ANY RELATED WORK RELATED TO THE COMPLETION OF THIS PROJECT.
6. THIS DRAWING IS FOR GENERAL INFORMATION ONLY.

NOTE:
SEE MEI STRUCTURAL CONSULTANTS SHEET
S01-S02 FOR ANTENNA MOUNT SPACING AND
DETAILS.

CABLES

(3) HYBRIFLEX CABLES - 1 PER SECTOR
(24 SM FIBER/10x8 AWG CABLES)

NOTE:
ANTENNAS, RRHs, AND COAX TO BE
PAINTED TO MATCH TANK. COLOR
SPECIFICATION IS SHERWIN WILLIAMS
HIGH REFLECTIVE WHITE #SW7757).



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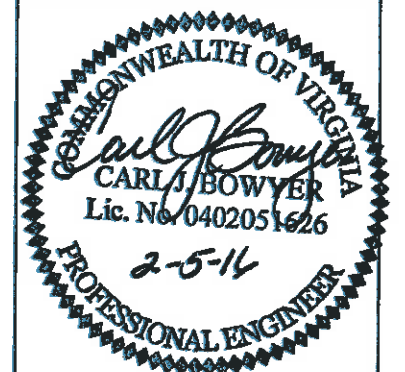
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ANTENNA DIAGRAM

SHEET

C-4

TOP OF TOWER ELEV.: 125'

NTELOS ANTENNAS RAD CENTER ELEV.: 110'

PROPOSED
NTELOS ANTENNA
(1 PER SECTOR)

PROPOSED
4 x 45 RRH
8 x 20 RRH
(1) PER SECTOR

(2) EXISTING
AT&T
ANTENNAS

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NTELOS
EQUIPMENT
FRAME

(3) PROPOSED HYBRIFLEX CABLE RUNS
(1 PER SECTOR)
(ALL CABLES TO RUN UP WATER TANK LEG)

WATER TANK ELEVATION
NOT TO SCALE



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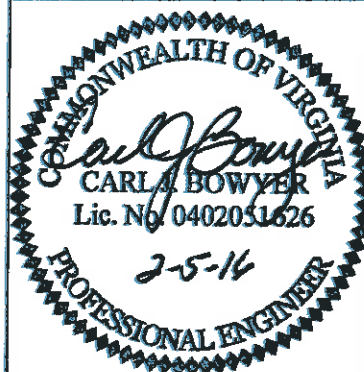
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WATER TANK ELEVATION	SHEET
	C-5



BOTTOM VIEW



FRONT VIEW



SIDE VIEW

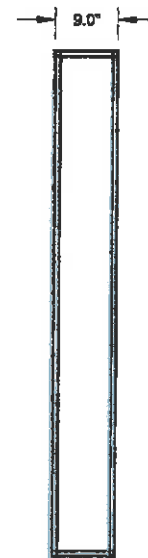
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BOTTOM VIEW

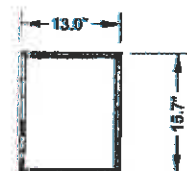


FRONT VIEW

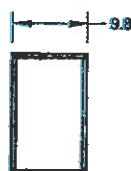


SIDE VIEW

HPA-33R-BUJ-H6
NOT TO SCALE
72.0\"/>



FRONT VIEW

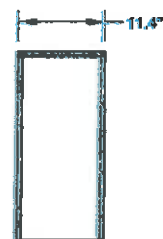


SIDE VIEW

2x50 800 MHZ RRH
NOT TO SCALE
18.7\"/>



FRONT VIEW



SIDE VIEW

4x45 1900 MHZ RRH
NOT TO SCALE
25.0\"/>



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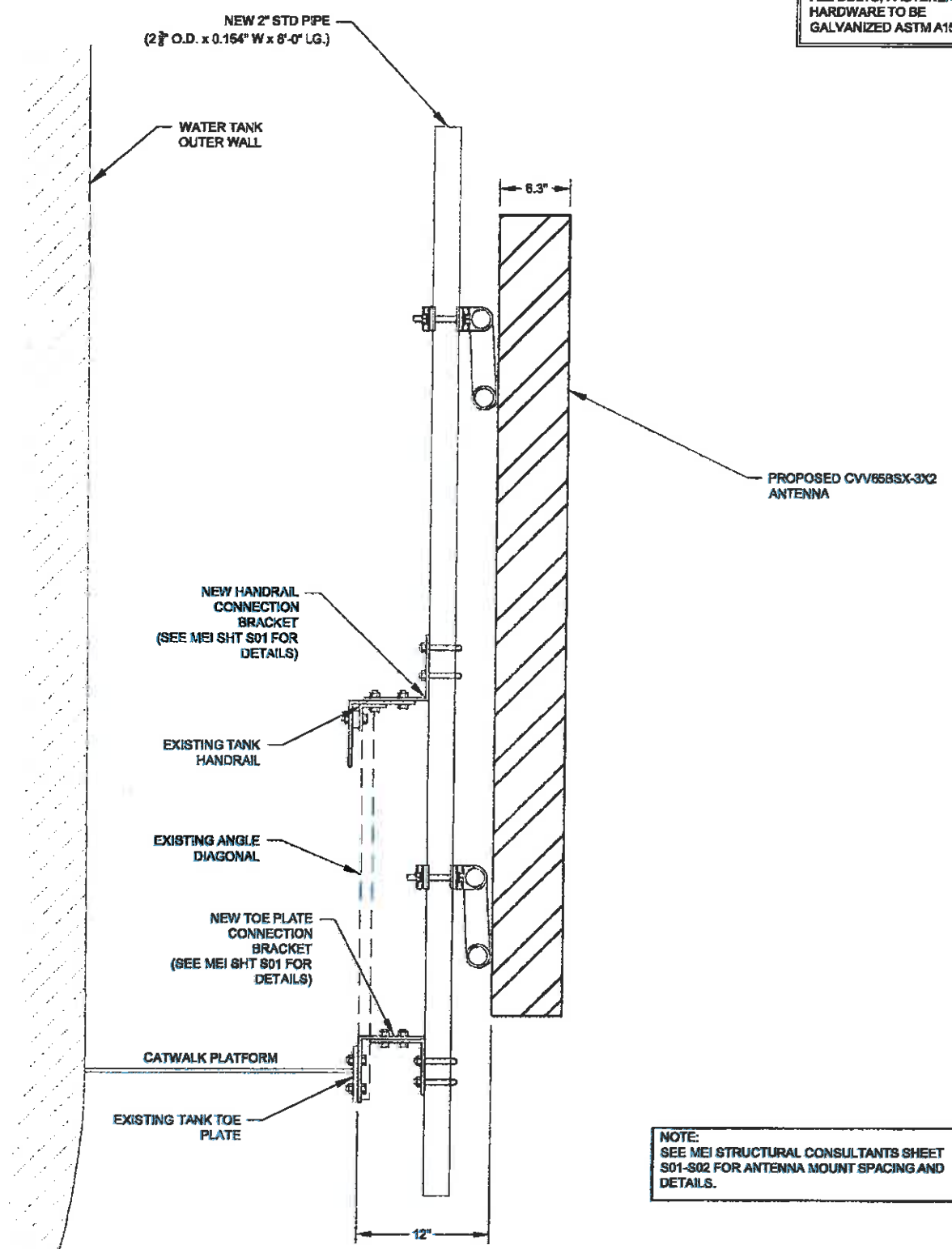
FOR
ILLUSTRATIVE
PURPOSES
ONLY



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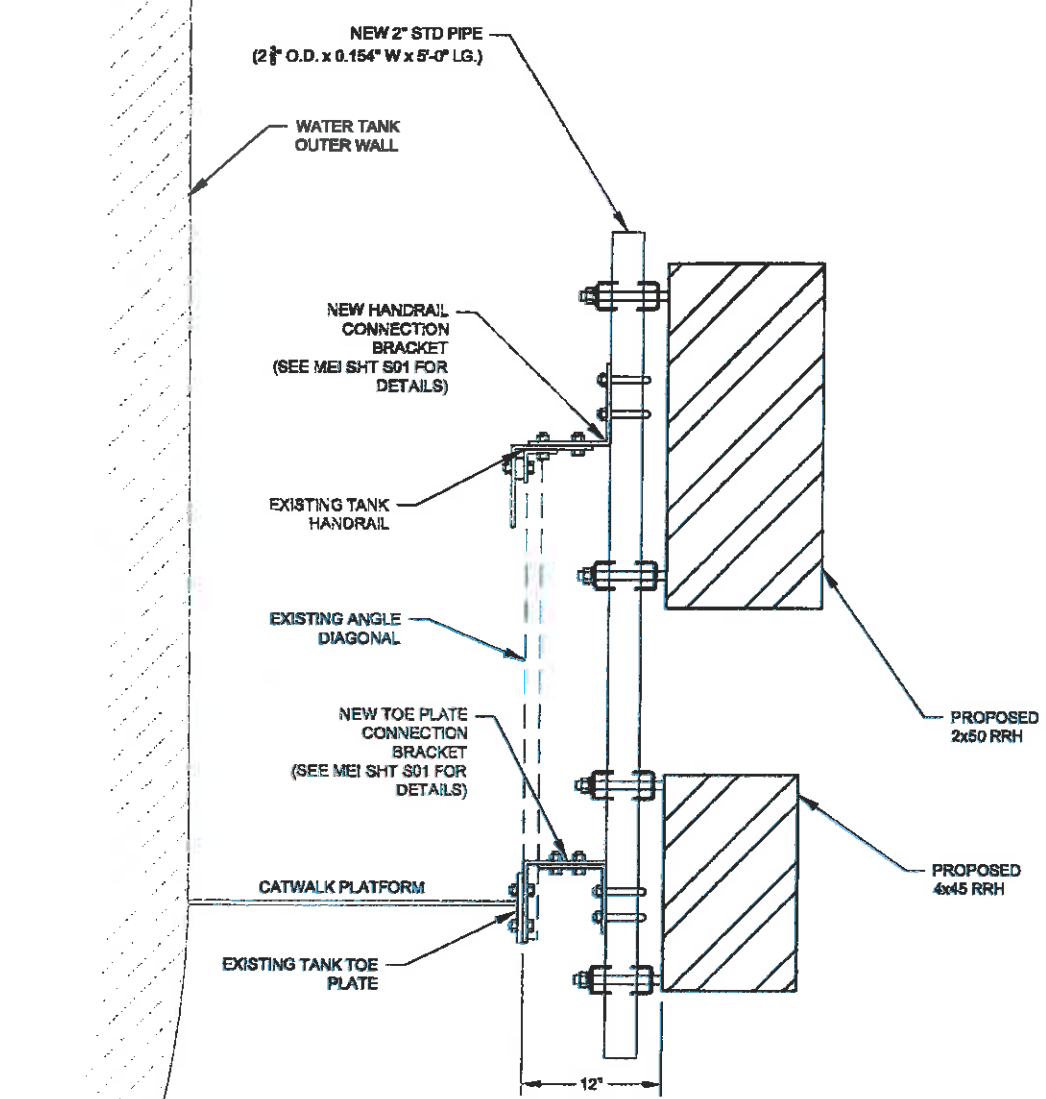
ANTENNA DETAILS	SHEET
	C-6



ALL BOLTS, FASTENERS, AND
HARDWARE TO BE
GALVANIZED ASTM A153.

NOTE:
SEE MEI STRUCTURAL CONSULTANTS SHEET
S01-S02 FOR ANTENNA MOUNT SPACING AND
DETAILS.

PROPOSED ANTENNA MOUNTING DETAIL (ELEVATION VIEW)
NOT TO SCALE



PROPOSED RRH MOUNTING DETAIL (ELEVATION VIEW)
NOT TO SCALE



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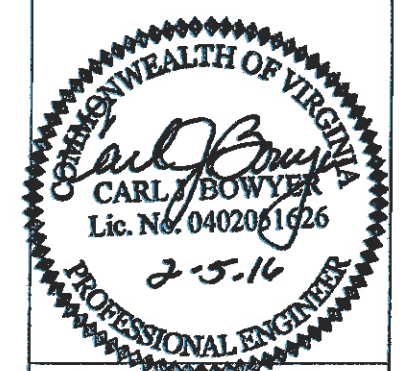
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LONGITUDE: W78° 29' 37"

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/22/15
2	ISSUE FOR APPROVAL	05/04/15
3	ISSUE FOR CONSTRUCTION	06/22/15
4	REISSUE FOR COMMENT	01/20/16
5	REISSUE FOR CONSTRUCTION	02/05/16



Mead Hunt

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PROJECT # R4022100-150768.01

ANTENNA/RRH MOUNTING DETAILS	SHEET
	C-7