



Village of Hinsdale
19 E. Chicago Avenue
Hinsdale, IL 60521-3489
(630)789-7000
Village Website: www.villageofhinsdale.org

PUBLIC SERVICES UTILITY PERMIT APPLICATION - Permit Fee of \$100.00

Date of Application: 03/08/23 Permit No: TM - 0001 Permit Expiration Date: 04/30/23

Utility Company Information:

Company Name: Fullerton Engineering/Tower & T-Mobile as tenant
Address: 1400 Opus Place
City, State, Zip: Downers Grove, IL 60515.
Contact Person: Eileen Boland
Phone Number: 708-738-7118
Email Address: boland@insite-inc.com
Cell Number: _____
Project/Work Order Number: _____

Contractor Information:

Company Name: Another Level Tower Servies Inc (Tower installer)
Address: 1312 W. Tower Rd
City, State, Zip: Kankakee IL, 60901
Contact Person: 815-278-2024
Phone Number: (815) 928-8092
Email Address: jared.m@anotherleveltsi.com
Cell Number: _____

PROJECT LOCATION: 339 W. 57th St, Hinsdale

Description of work covered under this permit: Relocation of equipment due to Water Tank painting -

Proposed Temp tower. (Will file for separate permit for T-Mobile equipment, once contractor for antenna/related equipment assigned).

Total Cost of Construction: \$140,000

Start Date: 3/15/23

Completion Date: 4/17/23

Site Plan/Details/Specifications (3 sets) included with application?
Currently registered as a Utility Contractor with the Village of Hinsdale?
Engineer Estimate of Cost included with application?

☒ YES ☐ NO
☒ YES ☐ NO
☐ YES ☒ NO

Type of Utility: ☐ ComEd ☐ Nicor ☐ Comcast ☐ Water ☐ Sewer
☒ Communications: ☐ Fiber Optic ☒ Wireless ☐ Other: Temp Tower

Applicant Information:

Print Name: Eileen Boland Phone Number: 708-738-7118
Company: Insite Inc. Email Address: boland@insite-inc.com
Signature: Eileen Boland Digitally signed by Eileen Boland
Date: 2023.03.08 08:10:32 -0500 Date: 3-8-2023

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION IN EFFECT ON THE DATE OF PERMIT APPLICATION OF THE FOLLOWING: STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION & SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, AND THE VILLAGE OF HINSDALE SUBDIVISION ORDINANCES (Ord. 02007-73, 11-6-2007) AND ENGINEERING STANDARDS.

Village Use Only

Permit Approved: ☒ YES ☐ NO

Conditions for Approval/Reasons for Denial: TEMPORARY USE PERMIT ONLY. Equipment must be returned to exact location after project is completed. The installation of new or upgraded equipment to the water tower is prohibited. Full project schedule to be submitted prior to start. Contractor to coordinate operations with High School Dist 86 for bus schedules *. Coordination with other contractors will be required as other vender equipment is relocated. Restoration of all disturbed areas is required within 30 days of completion.

Approved By: A. Diaz Date: 03/10/23

* Jason Oskorep, Director of Operations Hinsdale Township High School District 86, 630-655-6105 office, 630-664-9734 cell.

March 16, 2023

RE: CH65464A
Project Type: Temporary Monopole
Site Name: Hinsdale Water Tank
Site Address: 339 W. 57th Street
Hinsdale, IL 60521
Latitude/ Longitude: N41.78613610, W87.93419160

To Whom It May Concern,

This letter summarizes our evaluation of the existing site soil conditions supporting the proposed temporary ballasted structure for the above referenced project.

Based on the review of provided Geotechnical Report # 222300 by G2 Consulting Group dated 10/27/2022, the existing site soil is adequate to support the proposed temporary ballasted structure provided that a proper ground preparation is done prior to the placement of temporary structure. The above-mentioned geotechnical report indicates presence at the site location of hard silty clay from finished grade to an approximate depth of 5 feet with a presumed allowable bearing pressure of 3000 psf. The soil boring referenced by the Geotechnical Report is located approximately 100 feet from the proposed temporary structure placement. It can be reasonably assumed that similar soil conditions are present at our proposed location.

At the start of construction, any existing topsoil and vegetation shall be removed from the limits of the proposed ballasted frame foundation. The exposed soils must be proof rolled with a 10-ton vibratory roller or loaded dump truck. Any unstable or unsuitable areas noted should be improved by compaction or removed and replaced with dense-graded granular engineered fill meeting the gradation specifications of IDOT CA6. Following completion of any required undercuts, a minimum of 12 inches of IDOT CA6 should be placed and compacted in an engineered manner within the limits of the proposed ballast frame foundation. The compacted aggregate base surface should be sloped to promote surface drainage and should extend above the surrounding grade to prevent surface water ponding.

Upon completion of this subgrade preparation, it is our professional opinion that the site subgrade soils and dense graded engineered fill will provide the required minimum bearing pressure to adequately support the proposed temporary ballasted structure.

Respectfully,

Abraham J. Rokach, S.E.



600 BUSSE HIGHWAY
SUITE 200
HINSDALE, IL 60521
TEL: (847) 698-6400
FAX: (847) 698-6401

NO.	DATE	BY	REVISIONS
1	01/07/23	TJS	ISSUED FOR REVIEW
2	01/07/23	TJS	REVISED TOWER ANTENNA PLAN
3	01/07/23	TJS	ISSUED FOR FINAL

**HINSDALE
WT**

VZW #212521
TMO #CH65464A
AT&T #L00750

339 W. 57TH STREET
HINSDALE, IL 60521

DRAWN BY	JJR
CHECKED BY	DS
DATE	1/26/23
PROJECT #	194-025

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1

PROJECT TYPE

PROPOSED AT&T ANTENNAS TO BE MOUNTED ON A TEMPORARY 130' DIRECT BURY MONOPOLE TOWER. T-MOBILE AND DUCOMM ANTENNAS TO BE MOUNTED ON A TEMPORARY 130' BALLAST TOWER WITH 25' X 25' BASE.

PROJECT INFORMATION

SITE COORDINATES: LATITUDE: 41° 47' 10.00" N
LONGITUDE: 87° 59' 03.00" W

ADDRESS: 339 WEST 57th STREET
HINSDALE, IL 60521

JURISDICTION: VILLAGE OF HINSDALE

OCCUPANCY: UNINHABITED

CONSTRUCTION TYPE: TEMP TOWERS

PROPERTY OWNER: THE CITY OF HINSDALE
1615 S. HOFFMAN AVE.
HINSDALE, IL 60521

TOWER OWNER: THE CITY OF HINSDALE

APPLICANT: VERIZON WIRELESS
11000 W. 156th STREET
SCHAUMBURG, IL 60173

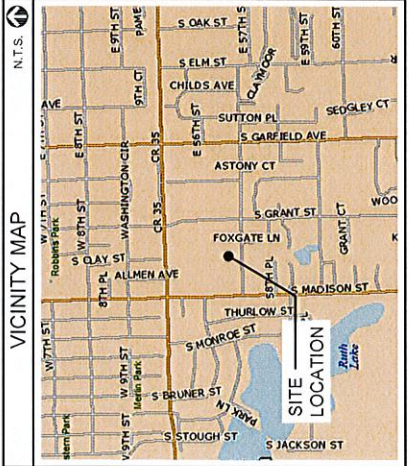
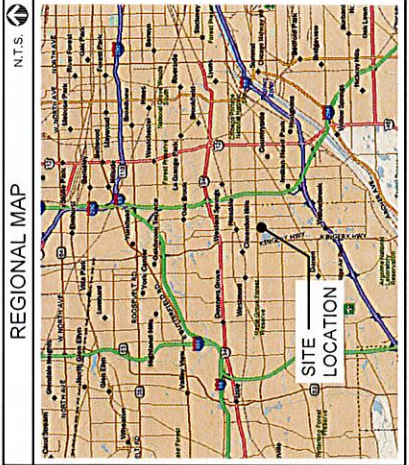
APPLICANT: T-MOBILE
2001 BUTTERFIELD RD.
16TH FLOOR, SUITE 1600
DOWNERS GROVE, IL 60515

APPLICANT: AT&T
2000 W. AT&T CENTER DR.
HOFFMAN ESTATES, IL 60192

SHEET	DRAWING INDEX	REVISION
T-1	TITLE SHEET	1, 2
LP	LOCATION PLAN	-
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C-2	TEMPORARY FENCING AND COAX SUPPORT DETAILS	-
ANT-1	SITE ELEVATION	-
ANT-2	ANTENNA PLAN VIEWS	1, 2
ANT-3	VZW ANTENNA INFORMATION	-
ANT-3A	TMO ANTENNA INFORMATION	1
ANT-3B	TMO ANTENNA INFORMATION	1
ANT-3C	TMO ANTENNA INFORMATION	1
ANT-3D	AT&T ANTENNA INFORMATION	-
ANT-3E	AT&T ANTENNA INFORMATION	-
ANT-3F	AT&T ANTENNA INFORMATION	-
E-1	VZW, TMO & AT&T ANTENNA GROUNDING PLANS	1, 2
E-2	GROUNDING DETAILS	1, 2
EX-1	PHOTO EXHIBIT	-

22" x 34" IS FULL SCALE | 11" x 17" IS HALF SCALE

ATTACHMENTS



CONSULTANT TEAM

PROJECT CONSULTANT: TERRA CONSULTING GROUP, LTD.
600 BUSSE HIGHWAY
SUITE 200
HINSDALE, IL 60521
(847) 698-6400

STRUCTURAL (TOWER ANALYSIS): PROVIDED BY OTHERS

STRUCTURAL ANALYSIS DATE: 10/14/2022

THESE PLANS COMPLY WITH ALL VILLAGE ZONING DISTRICT REGULATIONS, STATE AND FEDERAL REGULATIONS, FEDERAL AGENCY BUILDING CODES, AND SAFETY STANDARDS.

1701 GOLF ROAD, TOWER 2, SUITE 400
ROLLING MEADOWS, ILLINOIS 60008
PHONE: (847) 619-5397 FAX: (847) 706-7415

2000 W. AT&T CENTER DR.
HOFFMAN ESTATES, IL 60192

2001 BUTTERFIELD RD.
16TH FLOOR, SUITE 1600
DOWNERS GROVE, IL 60515

VZW SITE ID: 212521
TMO SITE ID: CH65464A
AT&T SITE ID: IL00750
SITE NAME: HINSDALE WT
339 W. 57th STREET
HINSDALE, IL 60521

OPERATES 24 HOURS
A DAY 365 DAYS A YEAR

Call Before You Dig

ILLINOIS
ANY CALL TOLL FREE
1-800-852-0772
OR VISIT
WWW.CALLBEFOREYODIG.IL

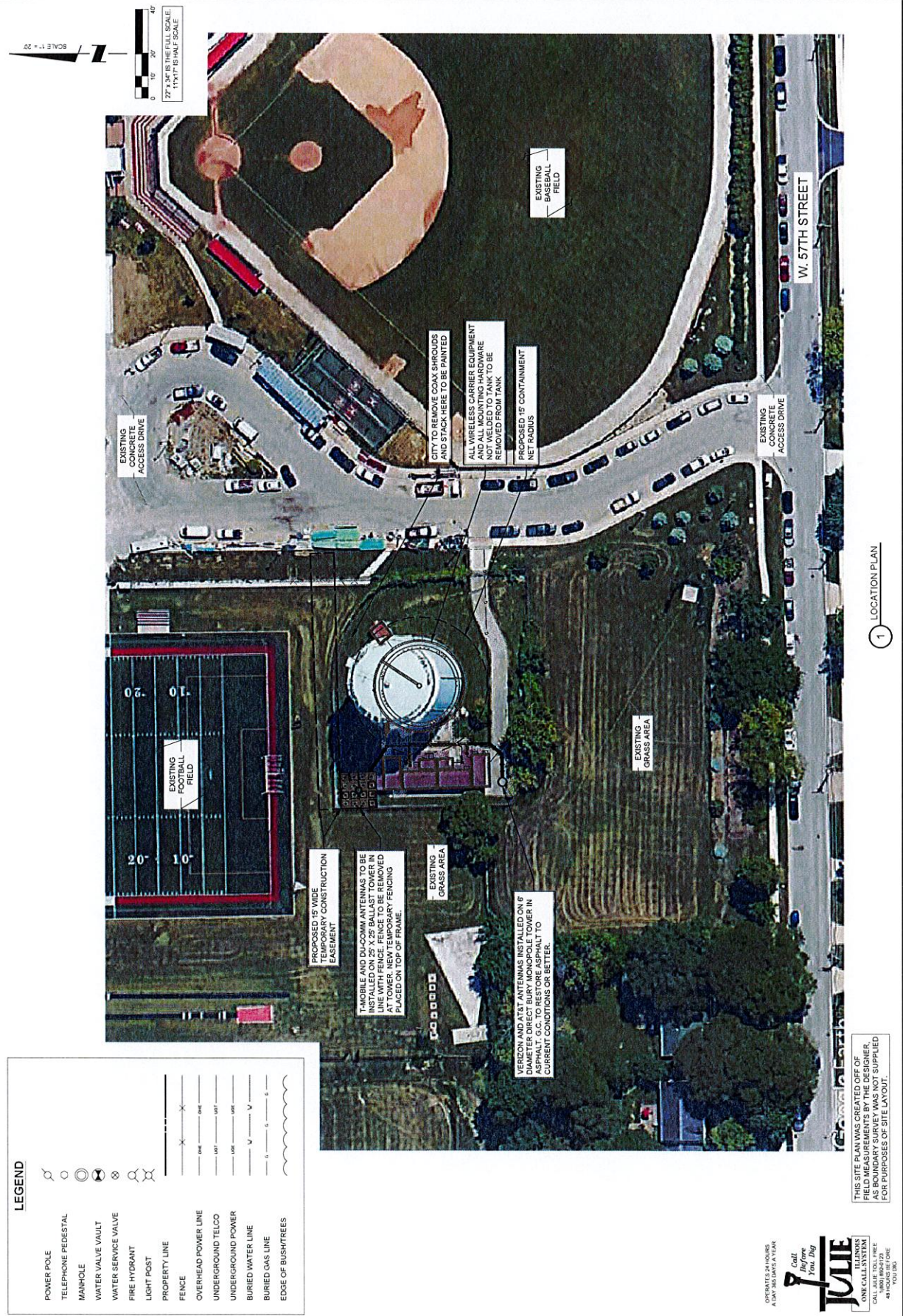
800 BUSSE HIGHWAY
 FARM MOBILE, IL 60521
 FAX: 815-498-4401

NO.	DATE	REVISIONS
1	12/06/23	ISSUED FOR REVIEW
2	01/02/24	REVISED T-MOBILE ANTENNA PLAN
3	01/02/24	ISSUED FOR FINAL

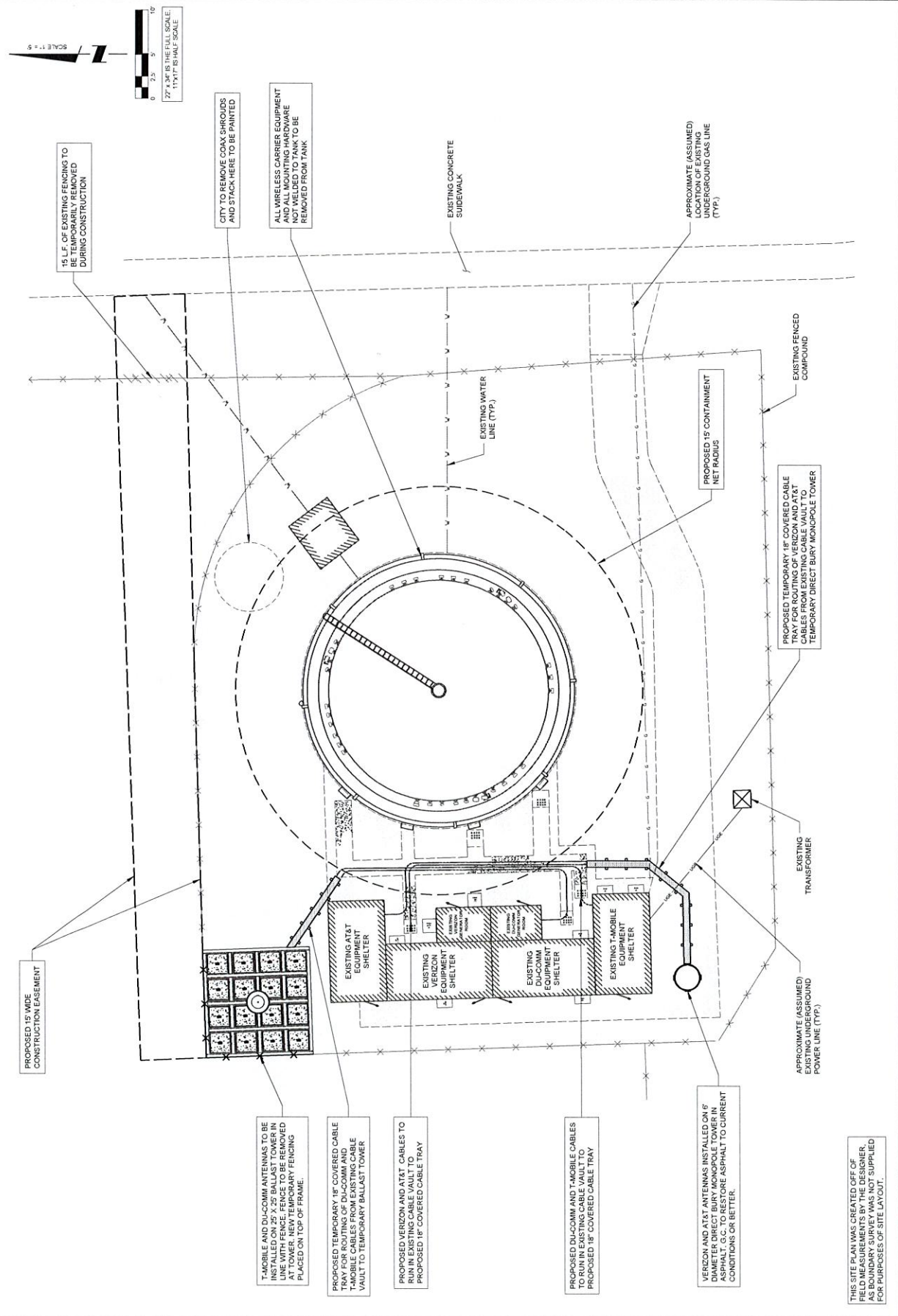
HINSDALE
WT
VZW #212521
TMO #CH65464A
AT&T #IL00750
339 W. 57TH STREET
HINSDALE, IL 60521

DRAWN BY	JLR
CHECKED BY	DS
DATE	12/06/23
PROJECT #	194-075

SHEET TITLE
LOCATION PLAN
 SHEET NUMBER
LP



NO.	DATE	BY	DESCRIPTION
1	12/06/22	TJS	REVISION FOR REVIEW
2	01/05/23	TJS	REVISION FOR FINAL



THIS SITE PLAN WAS CREATED OFF OF FIELD MEASUREMENTS BY THE DESIGNER. THE DESIGNER HAS NOT BEEN ADVISED FOR PURPOSES OF SITE LAYOUT.



3 CORNER POST DETAIL
N.T.S.

2 6'-0" SWING GATE N.T.S.

1 12'-0" DOUBLE SWING GATE N.T.S.

4 FENCE POST DETAILS
N.T.S.

5 STRONG ARM GATE LATCH DETAIL
N.T.S.

6 BALLAST FENCE MOUNTS
NTS

7 GROUND CONDUIT & CABLE SUPPORT NTS

NOTE:
THIS DRAWING IS FOR EXHIBIT AND
LAYOUT PURPOSES ONLY.
REFER TO STRUCTURAL ANALYSES
BY OTHERS.

FULL SCALE PRINT IS ON 22x34 MEDIA
HALF SCALE PRINT IS ON 11x17 MEDIA



REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	12/06/22	TJS	ISSUED FOR REVIEW
2	01/10/23	TJS	REVISED T-MOBILE ANTENNA PLAN
3	01/25/23	TJS	ISSUED FOR FINAL

HINSDALE
VT

VZW #212521
TMO #CH65464A
AT&T #IL00750

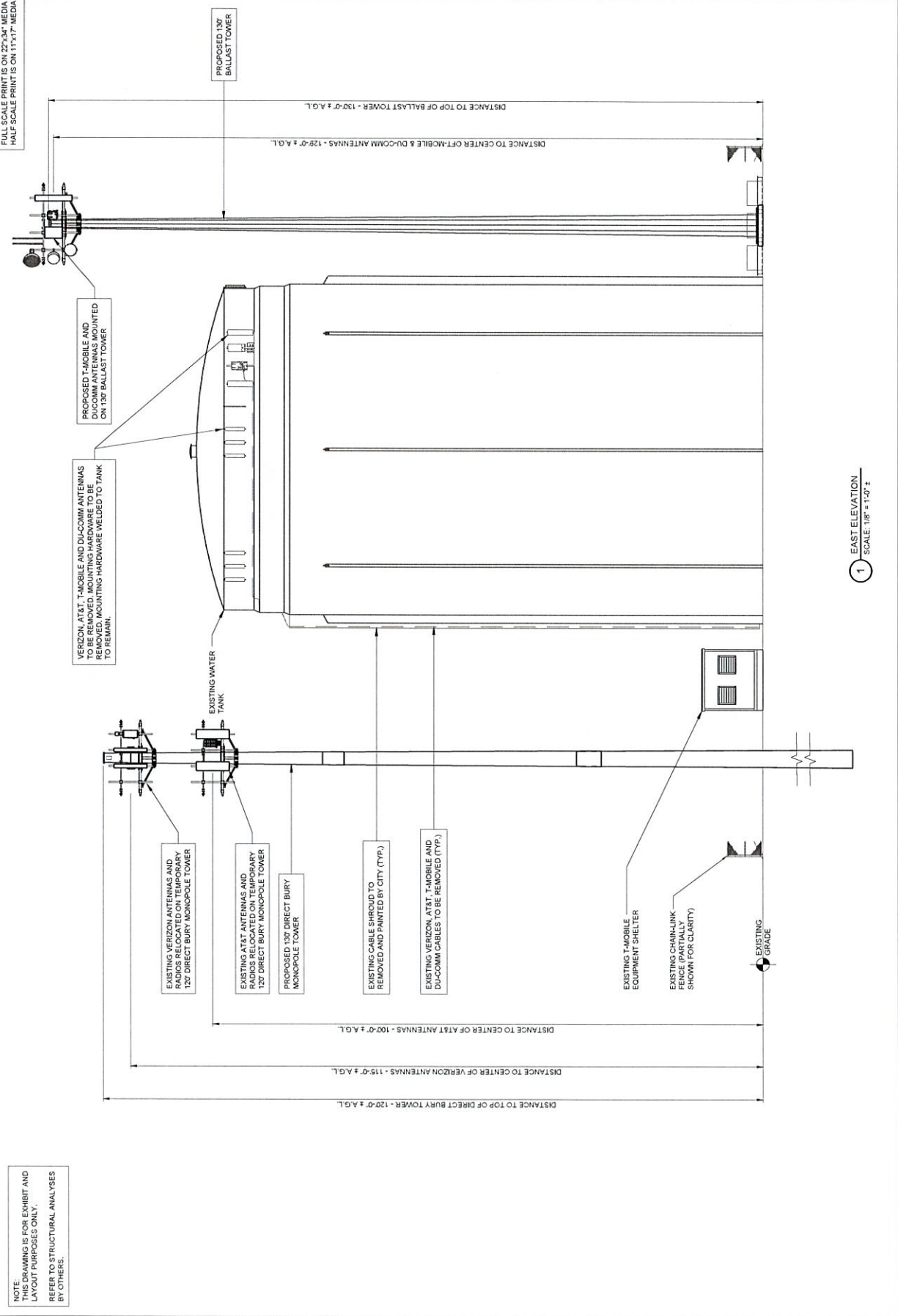
339 W. 57TH STREET
HINSDALE, IL 60521

DRAWN BY	JJR
CHECKED BY	DBS
DATE	12/06/22
PROJECT #	194-025

SHEET TITLE
SITE
ELEVATION

SHEET NUMBER

ANT-1



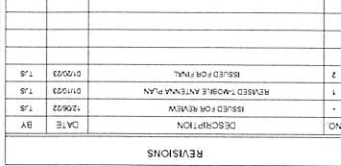
1 EAST ELEVATION
SCALE: 1/8" = 1'-0"

ANT-3A

[illegible][illegible]

ANT-3B

Sector 2 (Proposed) view from front (Note: the images show view from behind)									
Coverage Type	A* Outdoor Masts								
Antenna	1				2				
Antenna Model	Comcast - FPM4-6G-P3 (Cable)				AIRC Active Antennae - Marconi BMA05				
Altitude	150				150				
N. Tie	0				0				
Height (ft)	124				124				
Poles		P1	P2	P3	P4				P5
Active Tech	U750 M450	U750 M450	U750 M450	U750 M450	U750 M450	U750 M450	U750 M450	U750 M450	U750 M450
Client Tech									
Residential Tech									
Decomm. Tech									
E. Tie									
Cables									
TMAA									
Chimney / Combustors									
Radio									
Sector Equipment									
Unconnected Equipment:									
Scope of Work:									



ANT-3C

[illegible]

Sector 4 (Existing) view from front (Note: the images show view from behind)									
A - Outdoor Macro									
Coverage Type									
Antenna									
Antenna Model	Comscape - FPH4-65C-R3 (Ova)								
Azimuth	270								
Alt. Tilt									
Height (m)	89								
Ports	P1		P2		P3		P4		
Active Tech	L750 (L800) (N800)		L750 (L800) (N800)		L710 (L1920) (G1900) (N1900)		L710 (L1920) (G1900) (N1900)		
Dual Tech							N2100		
Restricted Tech							U1900		
Decomm. Tech									
E. Tilt									
Cables									
TWAs									
Engineer / Submitters									
Radio									
Sector Equipment									
Unconnected Equipment:									
Scope of Work:									

ANT-3D

[illegible][illegible]

ANT-3E



NO.	DATE	BY	DESCRIPTION
1	12/06/22	TJS	ISSUED FOR REVIEW
2	01/05/23	TJS	REVISED FOR FINAL

HINSDALE
WT

VZW #212521
TMO #CH65464A
AT&T #IL00750

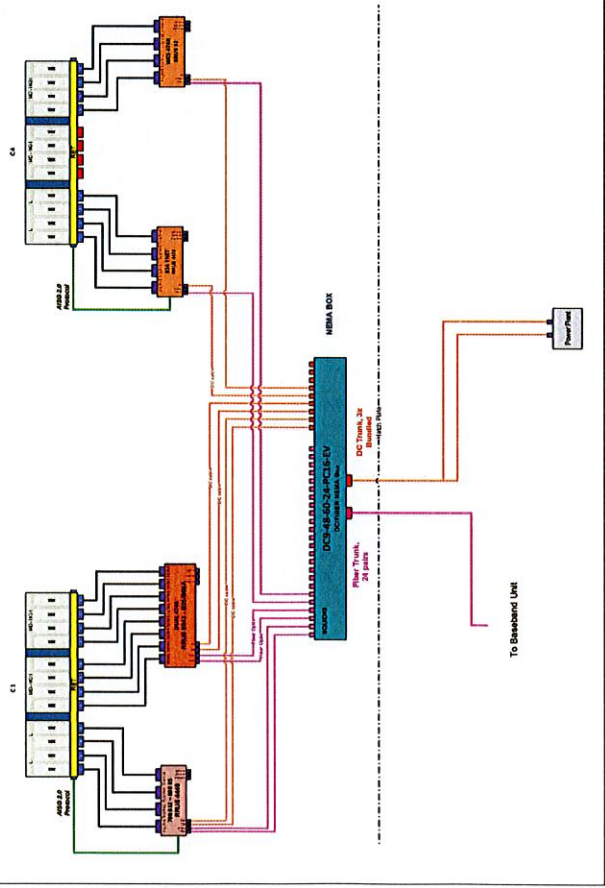
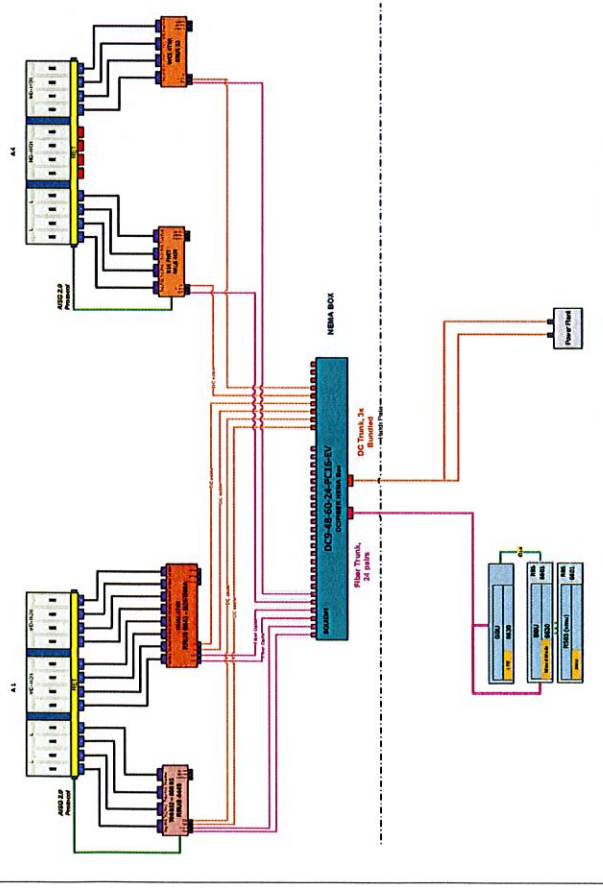
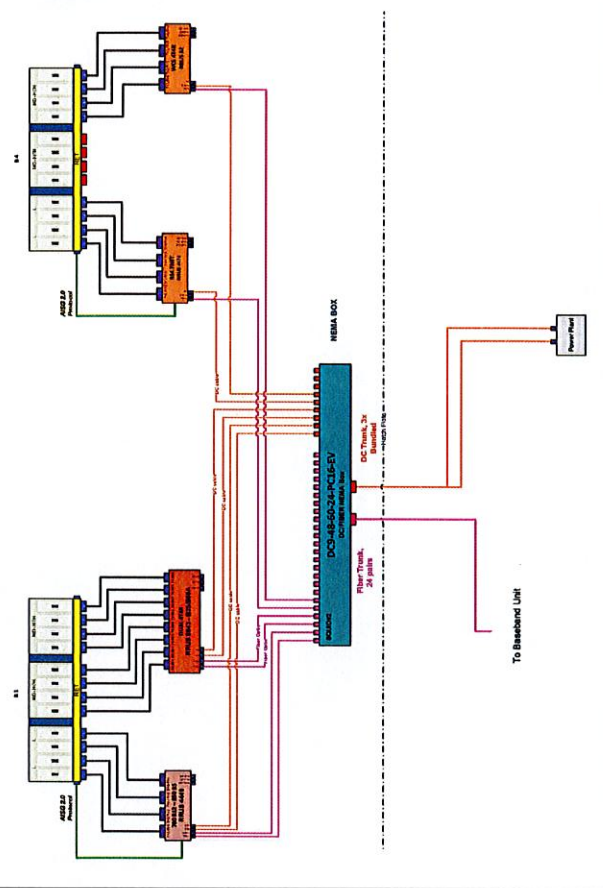
339 W. 57TH STREET
HINSDALE, IL 60521

DRAWN BY	JLR
CHECKED BY	DS
DATE	12/06/22
PROJECT #	184-029

SHEET TITLE
AT&T ANTENNA
INFORMATION

SHEET NUMBER

ANT-3F

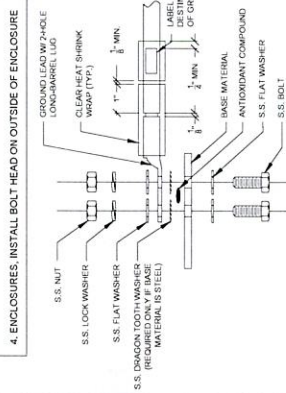


39 W. 57TH STREET
CHICAGO, IL 60621

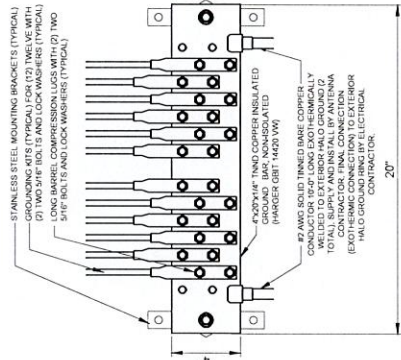
DRAWN BY	JJR
CHECKED BY	DS
DATE	12/06/22
PROJECT #	194-075

SHEET TITLE
**GROUNDING
DETAILS**

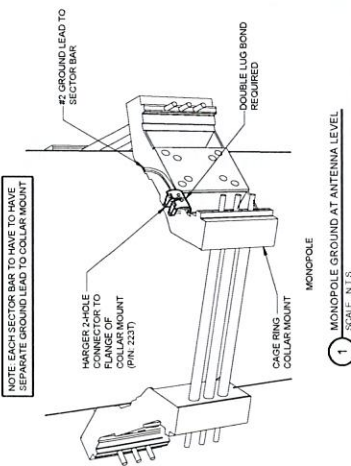
SHEET NUMBER
E-2



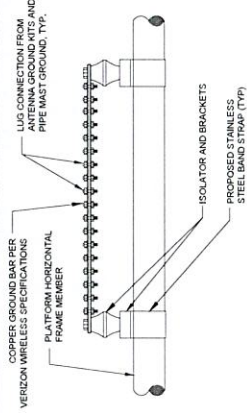
4 GROUND LUG INSTALLATION DETAIL
N.T.S.



3 EXTERIOR GROUND BAR DETAIL
N.T.S.



1 MONOPOLE GROUND AT ANTENNA LEVEL
SCALE IN TS

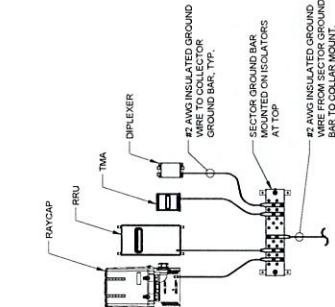


2. GROUND BAR AT SECTOR

APPROVED UL LISTED GROUND CLAMPS	UL LISTED HARGER PART #
METAL FLANGE	213, 213T, 213TTP
PIPE MEMBER	CPC SERIES (SIZED TO FIT DIAMETER OF PIPE)
LARGER PIPE MEMBER	UPC SERIES (UNIVERSAL PIPE CLAMP) SIZED TO FIT DIAMETER OF PIPE
TO COLLAR MOUNT	233T

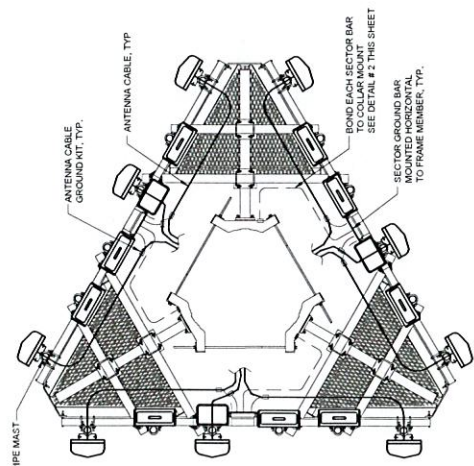
NOTES:

1. THE BOND BETWEEN THE SECTOR BAR AND THE TOWER IS TO BE MECHANICALLY BONDED TO COLLAR MOUNT. THE MECHANICAL BOND IS TO BE A UL APPROVED MECHANICAL CONNECTION CLAMP.
2. GROUND CONNECTIONS MUST BE DOUBLE HOLE CONNECTION. SPECIAL EXCEPTION ONLY TO EQUIPMENT THAT WILL NOT ALLOW FOR A DOUBLE HOLE CONNECTION.



THIS DETAIL IS CONCEPTUAL TO DEMONSTRATE GROUNDING AT THE ANTENNA LEVEL.

6 TYPICAL APPURTENANCE
GROUNDING AT ANTENNA LEVEL
N.T.S.



5 ANTENNA CABLE GROUNDING AT ANTENNA ELEVATION
NTS

1. ALL GROUNDING CONNECTIONS SHALL BE MADE BY THE EXOTHERMIC PROCESS OF SOLDERING. THE SOLDER SHALL BE AN EASY-FLUX, LEAD-FREE SOLDER. ALL GROUNDING, INCLUDING GROUND RODS, GROUND ROD SPICES AND LIGHTNING PROTECTION SYSTEM AS INDICATED, GROUND CONNECTIONS, AND AS INDICATED ON ALL WALL BRACKETS AND ALL OTHER ELECTRICAL EQUIPMENT SHALL BE INSTALLED PER ALL WALL BRACKETS AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND PROCEDURES.
2. GROUND CONDUCTOR SHALL HAVE A MINIMUM OF BENDING RADIUS OF 10 TIMES THE CONDUCTOR SIZE. IT SHALL BE CLEANED THOROUGHLY, AND COLORED TO MATCH SURFACE OF (E) TWO COATS OF BURNHAM (LUMIN) (LUMIN WHITE) PAINT (DOWN) OR (E) EQUAL.
3. ALL ELECTRICAL AND MECHANICAL GROUND CONNECTIONS SHALL HAVE AN ANTIMONY COMPOUND APPLIED TO CONNECTION.
4. FENCE/GATE/ENCLOSURE FENCE, POSTS WITHIN A FEET OF ENCLOSURE AND 20 FEET TOWER AS INDICATED ON DRAWINGS, GROUND EACH GATE POST AND CORNER POST. ALL ELECTRICAL AND MECHANICAL GROUND CONNECTIONS SHALL BE MADE PER ALL WALL BRACKETS AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND PROCEDURES. ALL OTHER CONNECTIONS FOR THE GROUND GRID SYSTEM SHALL BE MADE PER ALL WALL BRACKETS AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND PROCEDURES.
5. AFTER INSTALLATION OF THE CATHOD, AT THE GRID, SIZE IS TO BOND THE CATHOD TO THE SURFACE OF THE ENCLOSURE. DOUBLE LOCK CONNECTION. INSIDE AND PAINT SURFACE TO MATCH WITH INSTALLATION.
6. UTILITY COMPANY (ELECTRIC, TELEPHONE, CABLE, CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL UTILITIES PRIOR TO ANY WORK. THE CONTRACTOR SHALL CHECK WITH THE UTILITY BEFORE STARTING THE BID. THE CONTRACTOR SHALL CHECK WITH THE UTILITY COMPANY SUPPLYING SERVICE TO THIS PROJECT AND SHALL CHECK WITH THE UTILITY COMPANY TO DETERMINE THE LOCATION OF ALL UTILITIES THAT WILL REQUIRE AND SHALL INCLUDE THE COST IN THE BID.
7. GROUND TEST, GROUND TESTS SHALL BE PERFORMED AS REQUIRED BY THE UTILITY COMPANY. ALL GROUNDING PROCEDURES, GROUND GRID RESISTANCE SHALL NOT EXCEED 5 OHMS.
8. CONTRACTOR SHALL SUBMIT THE GROUND RESISTANCE TEST REPORT AS FOLLOWS:
 - ONE (1) COPY TO OWNER REPRESENTATIVE
 - ONE (1) COPY TO KLEIN INSURANCE EQUIPMENT ENCLOSURE

