SHEET INDEX

NO.	DESCRIPTION
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A-3	ELEVATION & DETAILS
A-4	EXISTING & PROPOSED ANTENNA PLANS
A-5	ANTENNA & CABLE SCHEDULE
A-6	CONFIGURATION DIAGRAM
A-7	RFDS DIAGRAM & NEW EQUIPMENT SPECIFICATIONS
A-8	NEW EQUIPMENT SPECIFICATIONS
A-9	NEW EQUIPMENT SPECIFICATIONS
A-10	NEW EQUIPMENT SPECIFICATIONS
EG-1	PROPOSED SITE GROUNDING DIAGRAM

SCOPE OF WORK

SCOPE OF WORK CONSISTS OF:

- REMOVAL OF (3) EXISTING TWIN TMAS
- REMOVAL OR (6) COAX CABLES & (3) LOW CAP HCS 1.0 LINES
- REMOVAL OF (4) HCS 1.0 COVP's
- INSTALLATION OF (3) NEW ANTENNA MOUNTS
- RELOCATION OF (6) ANTENNAS & (3) EXISTING AHLOA RF MODULES
- INSTALLATION OF (3) NEW AEHC ANTENNAS
 INSTALLATION OF (3) NEW AHFIG RF MODULES W/NEW RF JUMPERS
 INSTALLATION OF (3) NEW HCS 2.0 OVP TOWER JUNCTION BOXES
- REMOVAL OF (1) EXISTING SSC, (2) AMOBS AT GRADE & (1) COVP AT WATER TANK
- 10. INSTALLATION OF (1) NEW FIF RACK & (1) NEW 600A
- POWER/BATTERY RACK
- INSTALLATION OF (1) AIRSCALE AMIA W/(1) ASIK, (1) ASIB, (3) ABIL & (3) ABIC; (1) AIRSCALE AMIA W/(2) ASIB, (1) ASIK, (5) ABIA; (1) AIRSCALE AMIA W/(1) ASIK, (3) ABIK, (1) ASIK, (3) ABIK, AIRSCALE AMIA W/ (1) ASIK, & (1) ABIL & RELOCATION OF (1) EXISTING FSMF & (1) FSEB IN NEW FIF RACK

 12. INSTALLATION OF (3) NEW HCS 2.0 TRUNKS

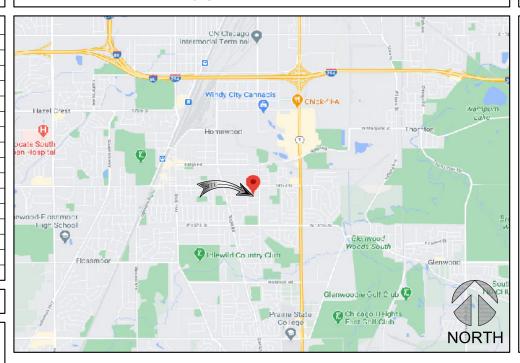
 13. INSTALLATION OF (3) NEW HCS 2.0 BREAKOUT BOXES

DRIVING DIRECTIONS

SCAN QR CODE FOR LINK TO SITE LOCATION MAP AND DRIVING DIRECTIONS



REGIONAL MAP





VICINITY MAP

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ANCHOR PROJECT

SITE NUMBER CH48639A

SITE NAME HOMEWOOD WATER TOWER

> SITE ADDRESS 18355 PIERCE AVE

HOMEWOOD, IL 60430

GC SHALL VERIFY ALL EXISTING PLANS. DIMENSIONS & CONDITIONS ON JOB SITE. GC SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER OF RECORD OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

GC SHALL CONTACT THE A&E FIRM PRIOR TO BIDWALK AND CONSTRUCTION START TO CONFIRM THAT DRAWINGS ARE THE MOST RECENT SET

APPROVALS —
T-MOBILE OPS
R.F. OPS
R.F. ENGINEER
SITE ACQUISITION
CONSTRUCTION
SITE OWNER

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JOHN M. BANKS **ARCHITECT**

604 FOX GLEN BARRINGTON, IL 60010 TELEPHONE: 847–277–0070 FAX: 847–277–0080 jbanks@westchesterservices.com

CHECKED BY:		s	т		
APPROVED BY:		ЈМВ			
REV.	DATE		BY	DESCRIPTION	
Α	03/22/21		DWM	PRELIMINARY CD	
В	04/23/21		DWM	PRELIMINARY CD	
0	05/05/2	1	DWM	PERMIT/CONSTRUCTION	

PROJECT INFORMATION

CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND CONTROL AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLY WITH THE REQUIREMENTS OF THE GOVERNING LOCAL BUILDING CODE.

PROFESSIONAL LICENSURE

BANKS 8719-005 SOUTH ELGIN 8

EXPIRES: 07/31/2022 SIGNED: 05/05/2021 LATITUDE: N 41.55570682° (NAD 83)

LONGITUDE: W 87.64722480° (NAD 83)

SITE TYPE: WATER TANK

JURISDICTION: VILLAGE OF HOMEWOOD

COUNTY: COOK COUNTY APPLICANT: T-MOBILE

1400 OPUS PLACE 7TH FLOOR

DOWNERS GROVE, IL 60515

PHONE: (773) 444-5400

ARCHITECT:

PHONE:

FAX:

JOHN M. BANKS 604 FOX GLEN BARRINGTON, IL 60010 847-277-0080

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

- 2012 INTERNATIONAL BUILDING CODE
- 2012 INTERNATIONAL MECHANICAL CODE
- 2012 INTERNATIONAL MECHANICAL
 2015 INTERNATIONAL FIRE CODE
 2003 NATIONAL ELECTRICAL CODE
- 2018 ENERGY CONSERVATION CODE



Know what's below.

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN ILLINOIS, CALL ILLINOIS ONE

CALL TOLL FREE: 1-800-892-0123 OR

www.illinois1call.com

ILLINOIS STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE Call before you dig. BEFORE YOU EXCAVATE CH48639A

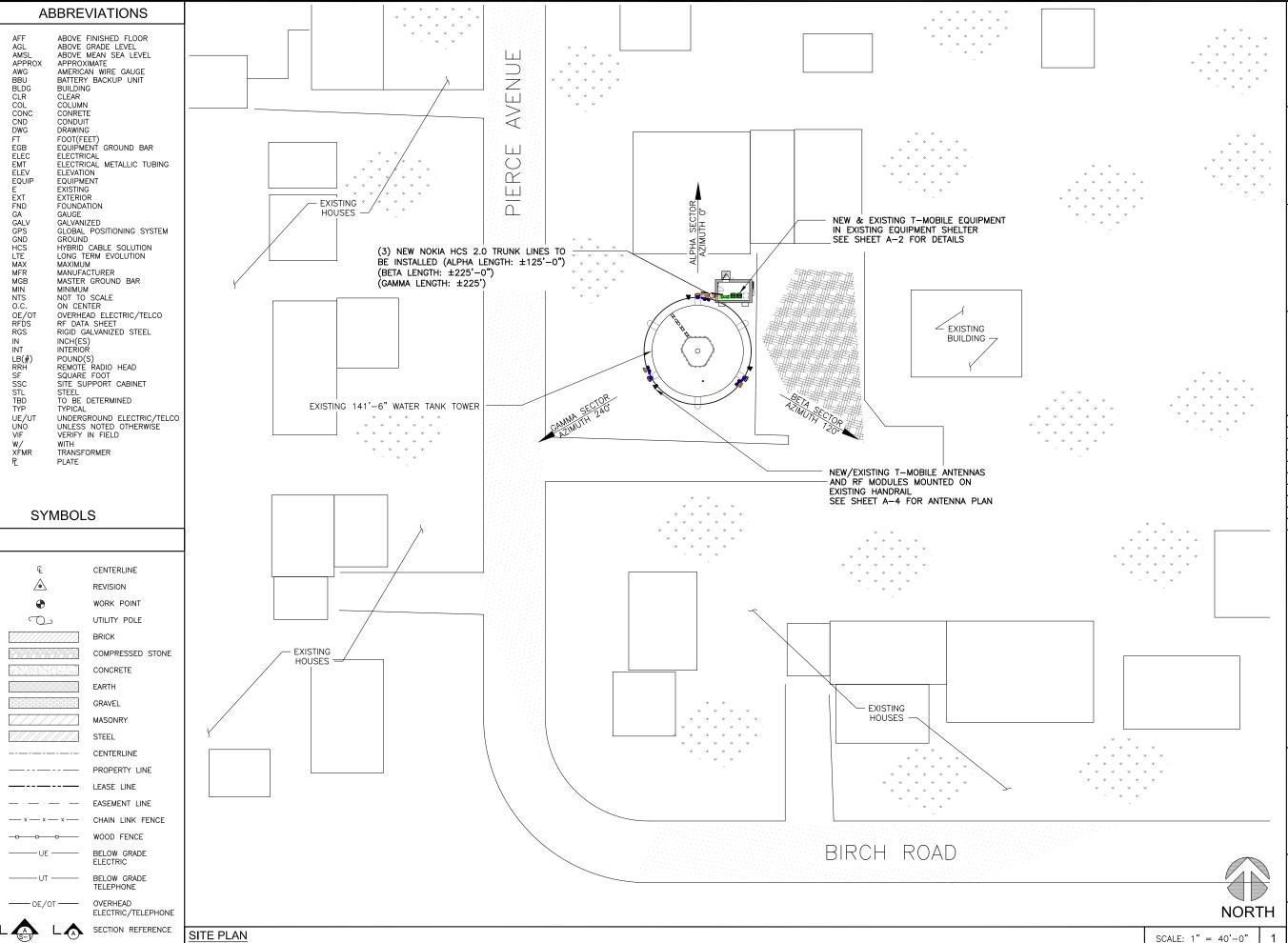
HOMEWOOD WATER TOWER 18355 PIERCE AVE HOMEWOOD, IL 60430

SHEET TITLE

TITLE SHEET

SHEET NUMBER

T-1



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CH48639A

HOMEWOOD WATER TOWER

18355 PIERCE AVE
HOMEWOOD, IL 60430

SHEET TITLE

SITE PLAN

SHEET NUMBER

A-1

WT-HRM-U



Universal Handrail Mount for 2-3/8 in thru 4-1/2 in OD mounting pipe, plain end pipe not included



Product Classification

Product Type

Water tower mount

General Specifications

Mounting Handrail | Toe board

Pipe, quantity 0 Sectors, quantity 1

Dimensions

 Height
 889 mm | 35 in

 Width
 203.2 mm | 8 in

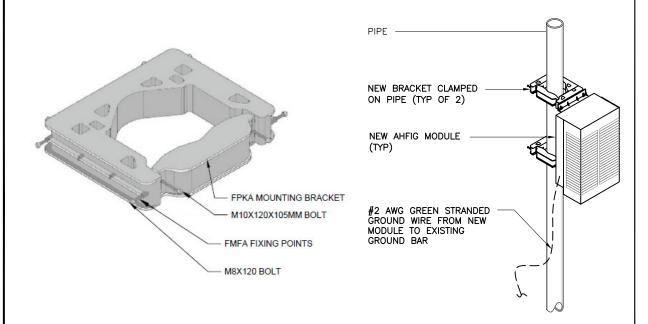
 Length
 609.6 mm | 24 in

 Stand-off Distance
 228.6 mm | 9 in

Material Specifications

Material Type Hot dip galvanized steel

WT-HRM-U DETAIL SCALE: N.T.S.



SPECIAL NOTES:

- 1. G.C. TO VERIFY ALL HEIGHTS AND AZIMUTHS IN FIELD PRIOR TO CONSTRUCTION. G.C. SHALL NOTIFY T-MOBILE AND ENGINEER OF DISCREPANCIES IMMEDIATELY.
- 2. STRUCTURAL/DESIGN & ANALYSIS SHALL BE PERFORMED (STRUCTURAL ANALYSIS BY WESTCHESTER SERVICES L.L.C.) & APPROVED BY TOWER OWNER AND MANUFACTURER.
- 3. CONTRACTOR TO THOROUGHLY REVIEW THE BUILDING STRUCTURAL ANALYSIS FOR INFORMATION PERTAINING TO TOWER UPGRADES, MOUNTING TYPES, ANTENNA HEIGHTS, AND CABLE ROUTING, ANY OTHER DISCREPANCIES BETWEEN THE DRAWINGS AND STRUCTURAL ANALYSIS SHOULD BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER PRIOR TO BIDDING AND INSTALLATION.

$\begin{array}{c} \textbf{T--Mobile-} \\ \textbf{stick together} \end{array}$





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SIGNED: 05/05/21

EXP DATE: 07/31/2

CH48639A HOMEWOOD WATER TOWER

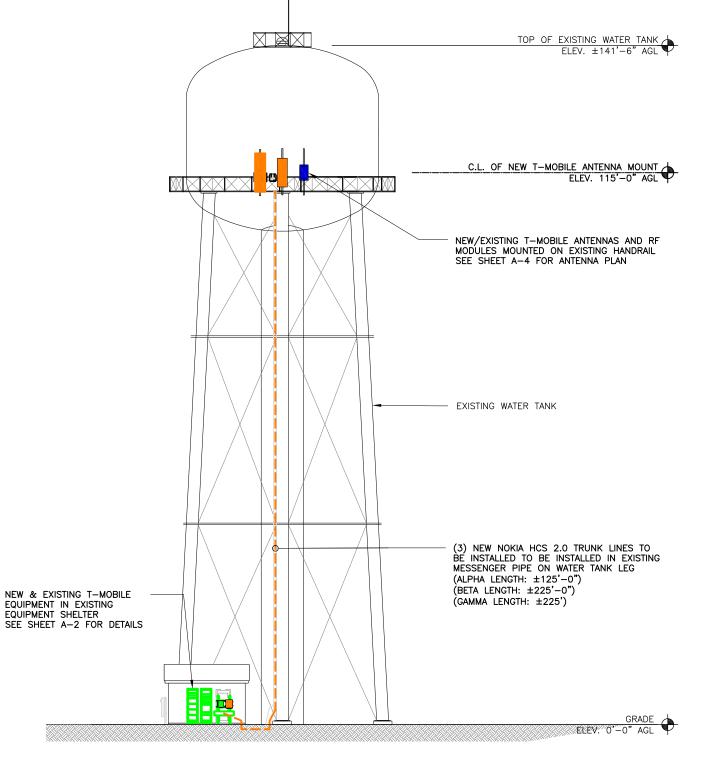
> 18355 PIERCE AVE HOMEWOOD, IL 60430

> > SHEET TITLE

| ELEVATION & DETAILS

SHEET NUMBER

A-3

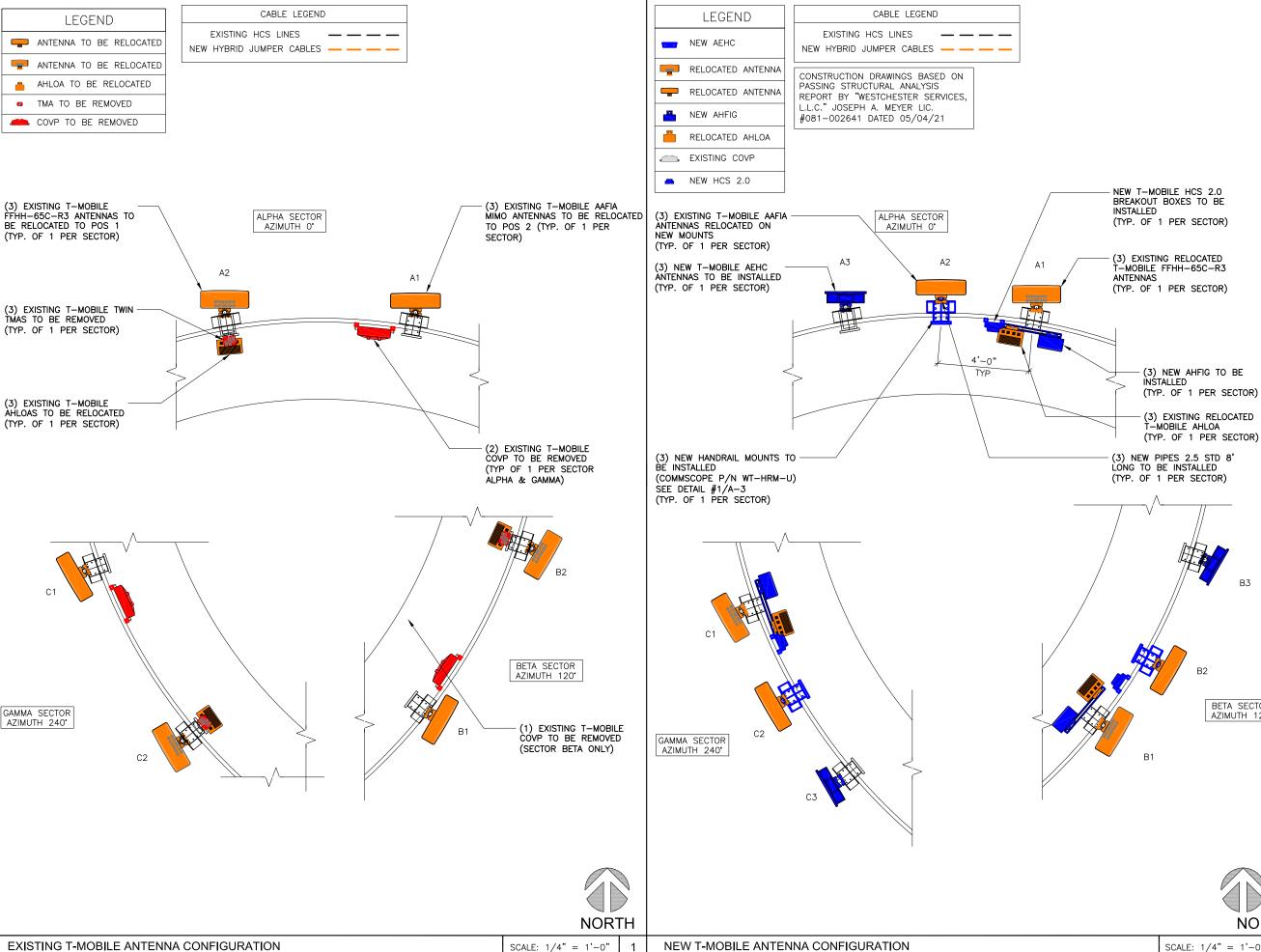


TYPICAL AHFIG UNIT MOUNTING DETAIL

SCALE: N.T.S.

MONOPOLE TOWER ELEVATION

SCALE: NONE



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CH48639A HOMEWOOD WATER TOWER

18355 PIERCE AVE HOMEWOOD, IL 60430

EXP DATE: 07/31/2

SHEET TITLE

EXISTING & PROPOSED ANTENNA PLANS

SHEET NUMBER

A-4

NEW T-MOBILE ANTENNA CONFIGURATION

SCALE: 1/4" = 1'-0"

NORTH

BETA SECTOR

AZIMUTH 120°

EXISTING T-MOBILE ANTENNA CONFIGURATION