

## **CONCEPT PLAN**

**Proposed Tower will be built on the Asbury United Methodist Church, Denton, Texas, 9.41 acre tract (the subject of this Application for Rezoning) that is adjacent to the Asbury United Methodist Church, Denton, Texas, Lot 2, Block A (existing Church facilities) – as shown on the submitted Survey.**



TX224 / ASBURY UMC  
T-MOBILE: DA03195C

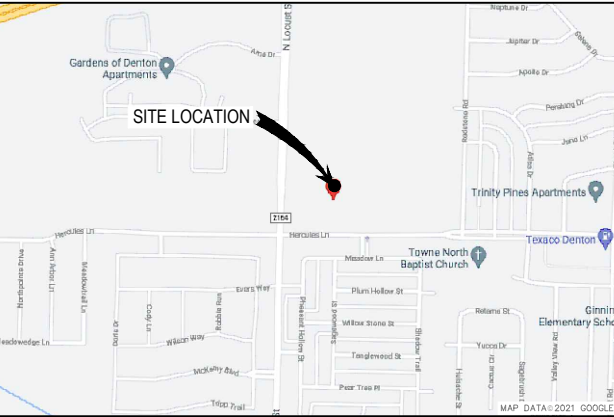
SITE ADDRESS

ADDRESS: 117 HERCULES LANE  
DENTON, TX 76207  
DENTON COUNTY

LATITUDE: 33° 15' 19.69" (33.255469) N  
LONGITUDE: 97° 07' 47.85" (-97.129958) W  
GROUND ELEVATION: 668.37' (AMSL)  
TAX/PIN #: R234187

SITE IS LOCATED WITHIN FEMA FLOOD MAP AREA X AS  
PER F.I.R.M. COMMUNITY PANEL# 48121C0220G, DATED  
APRIL 18, 2011

FLOOD PLAIN NOTE:



VICINITY MAP

- FROM DFW INTERNATIONAL AIRPORT
- 2400 AVIATION DR, DFW AIRPORT, TX 75261
- TAKE TX-121 N AND I-35E N TO I-35 FRONTAGE RD
- MERGE ONTO I-35 FRONTAGE RD/U.S. 380 TRUCK
- TURN RIGHT (SIGNS FOR US-380 E/TX-288 LOOP E)
- TAKE THE RAMP ONTO U.S. 380 TRUCK
- TAKE THE FM 2164 EXIT
- KEEP RIGHT AT THE FORK AND MERGE ONTO FM2164 S/N LOCUST ST
- TURN LEFT ONTO HERCULES LN
- TURN LEFT
- TURN LEFT
- DESTINATION WILL BE ON THE RIGHT
- 117 W HERCULES LN

DRIVING DIRECTIONS

MUNICIPALITY:  
CITY OF DENTON

STATE:  
TEXAS

TOWER TYPE:  
STEALTH POLE

TOWER HEIGHT:  
100'

NUMBER OF CARRIERS:  
0 EXISTING, 1 NEW, 3 FUTURE

USE:  
NEW TELECOMMUNICATIONS TOWER  
AND UNMANNED EQUIPMENT

CONSULTANT  
**WT Group**  
5580 PETERSON LANE, STE. 250  
DALLAS, TX 75240  
PHONE: (214) 384-0744  
ATTN.: ANGEL GANDARA

PROJECT SUMMARY

DEVELOPER  
DIAMOND COMMUNICATIONS  
820 MORRIS TURNPIKE, SUITE 104  
SHORT HILLS, NJ 07078  
(973) 544-6828  
(973) 258-0098  
info@diamondcomm.com

POWER COMPANY  
DENTON MUNICIPAL ELECTRIC  
PHONE: (940) 349-8700  
601 E HICKORY ST,  
DENTON, TX 76205

TELEPHONE COMPANY  
AT&T  
PHONE: (866) 945-8251

PROPERTY OWNER  
ASBURY UNITED METHODIST CHURCH  
117 HERCULES LANE  
DENTON, TX 76207

CONTACTS

SHEET	DESCRIPTION	REV.
T-1	COVER SHEET	B
S.1	SITE SURVEY	2
Z-1	OVERALL SITE PLAN	B
Z-2	ENLARGED SITE PLAN	B
Z-3	CMU WALL DETAILS	B
Z-4	TOWER ELEVATION	B

SHEET INDEX

PYRAMID NETWORK SERVICE, LLC  
6519 TOWPATH ROAD  
EAST SYRACUSE, NY 13057  
PHONE: (315) 382-3448

SITE ACQUISITION

2015 INTERNATIONAL BUILDING CODE  
2017 NATIONAL ELECTRICAL CODE

BUILDING CODES



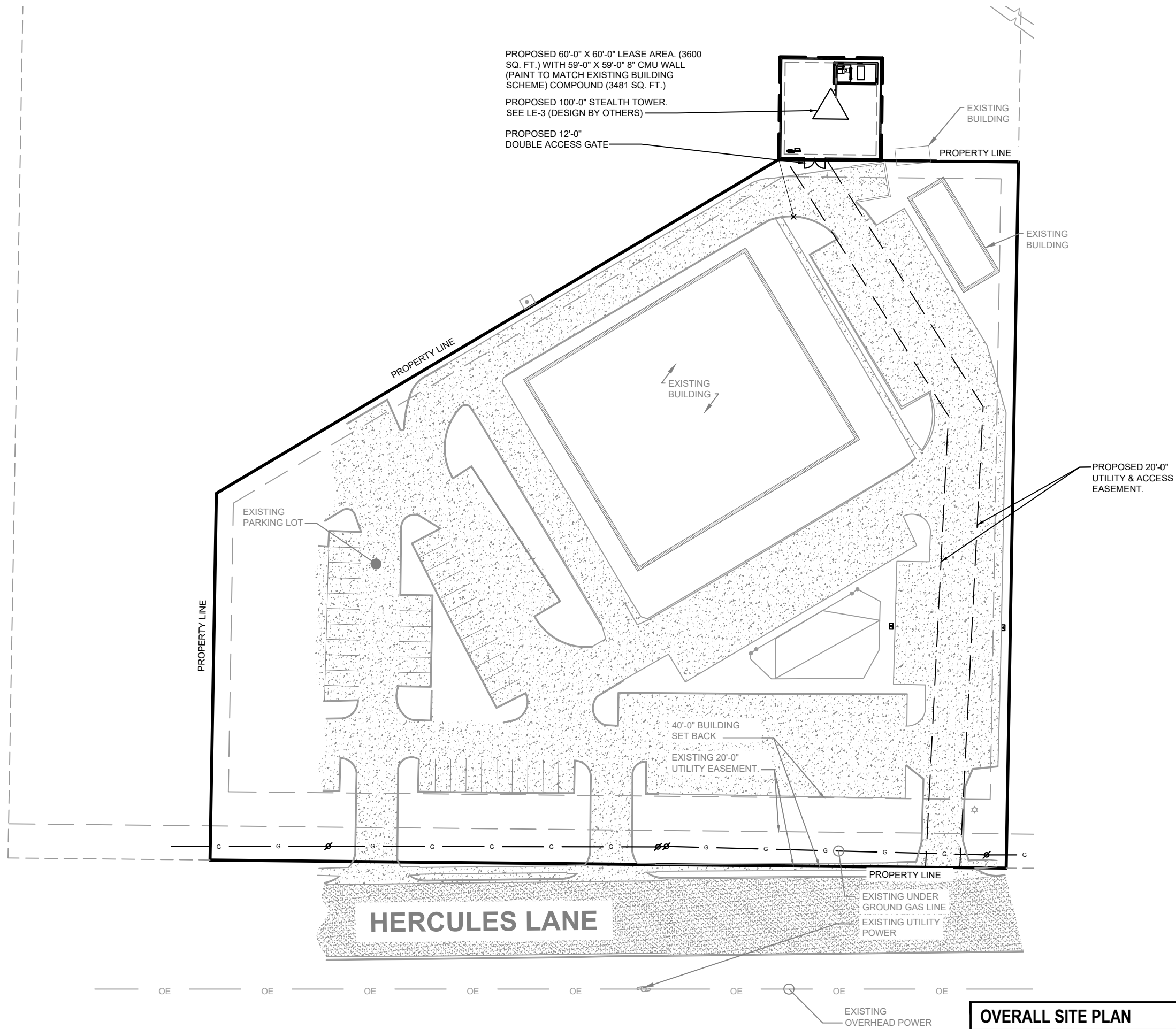
DA03195C  
TX224 / ASBURY UMC  
117 HERCULES LANE  
DENTON, TX 76207

WT GROUP

Engineering with Precision, Pace and Passion  
5580 PETERSON LANE, STE 250  
DALLAS, TX 75244 T: 214.384.0744  
www.wtgroup.com  
Texas Firm Registration No. F-18865 Exp 3/31/21  
© COPYRIGHT 2021 THE WT GROUP, LLC

AQUATIC \ DESIGN & PROGRAM MANAGEMENT  
CIVIL \ TELECOMMUNICATION \ MECHANICAL  
PLUMBING \ ELECTRICAL \ LAND SURVEYING  
ACCESSIBILITY CONSULTING \ STRUCTURAL





OVERALL SITE PLAN	1
SCALE: 1" = 50'-0"	

REVISIONS			
REV.	ISSUED FOR	DATE	BY
1	FOR ZONING REVIEW	06/02/21	BA

DA03195C  
TX224 / ASBURY UMC  
117 HERCULES LANE  
DENTON, TX 76207

**Diamond**  
Communications LLC

**T-Mobile**

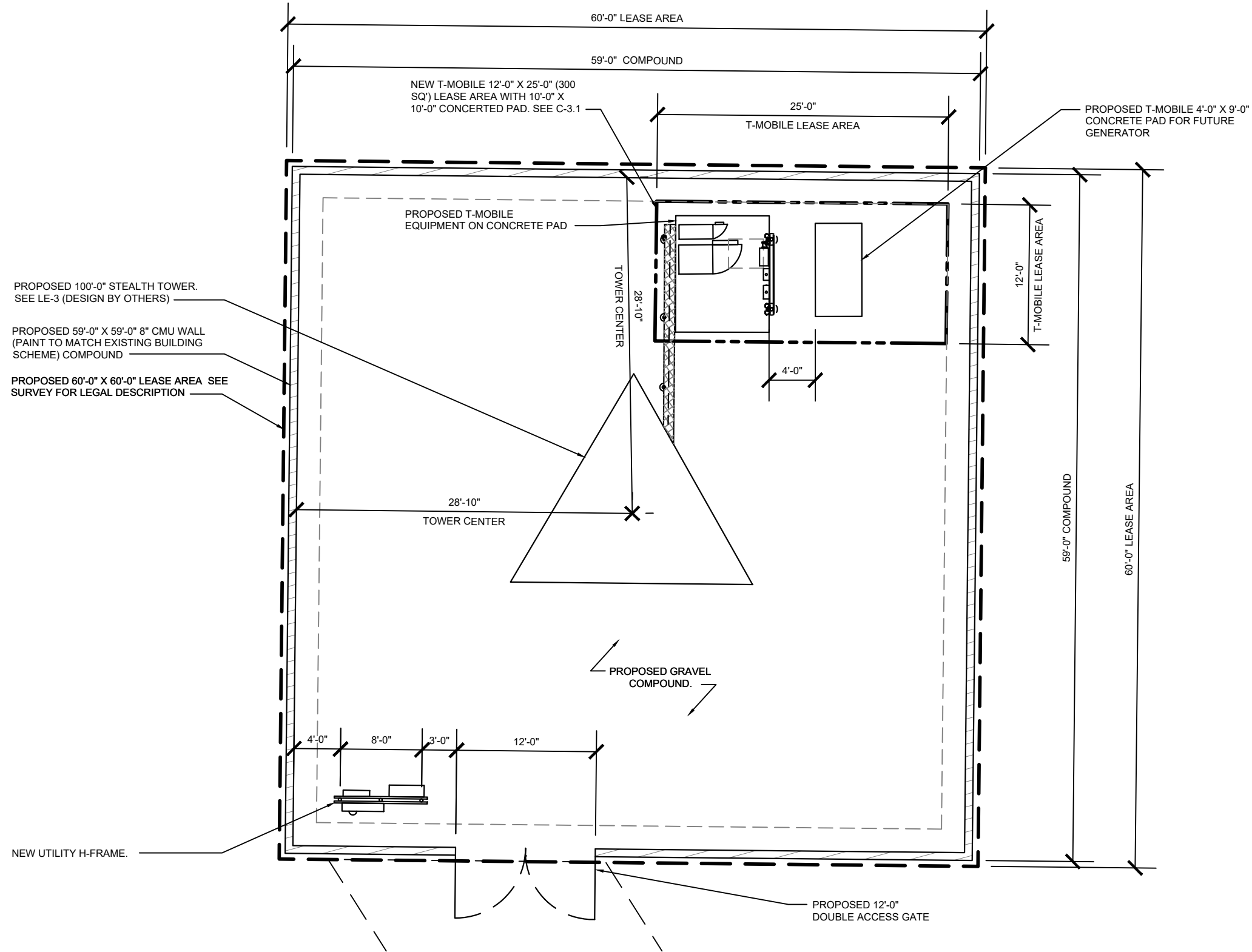
**WT GROUP**  
Engineering with Precision, Pace and Passion  
5580 PETERSON LANE, STE 250  
DALLAS, TX 75244 T: 214.384.0744  
www.wtengineering.com  
Texas Firm Registration No. F-18865 Exp 3/31/21  
© COPYRIGHT 2021 THE WT GROUP, LLC

**WT Group**  
Engineering • Design • Consulting

AQUATIC \ DESIGN & PROGRAM MANAGEMENT  
CIVIL \ TELECOMMUNICATION \ MECHANICAL  
PLUMBING \ ELECTRICAL \ LAND SURVEYING  
ACCESSIBILITY CONSULTING \ STRUCTURAL

CHECK: AG  
DRAWN: BA  
JOB: T2100078

**Z-1**  
OVERALL SITE PLAN



## ENLARGED SITE PLAN

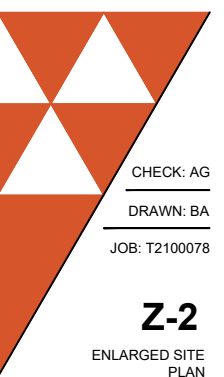
SCALE: 1" = 10'-0"

1

### REVISIONS

REV.	ISSUED FOR	DATE	BY
1	FOR ZONING REVIEW	06/02/21	BA

AQUATIC \ DESIGN & PROGRAM MANAGEMENT  
CIVIL \ TELECOMMUNICATION \ MECHANICAL  
PLUMBING \ ELECTRICAL \ LAND SURVEYING  
ACCESSIBILITY CONSULTING \ STRUCTURAL



CHECK: AG

DRAWN: BA

JOB: T2100078

**Z-2**

ENLARGED SITE PLAN



**T-Mobile**

**WT Group**  
Engineering • Design • Consulting

**DA03195C**  
**TX224 / ASBURY UMC**  
117 HERCULES LANE  
DENTON, TX 76207

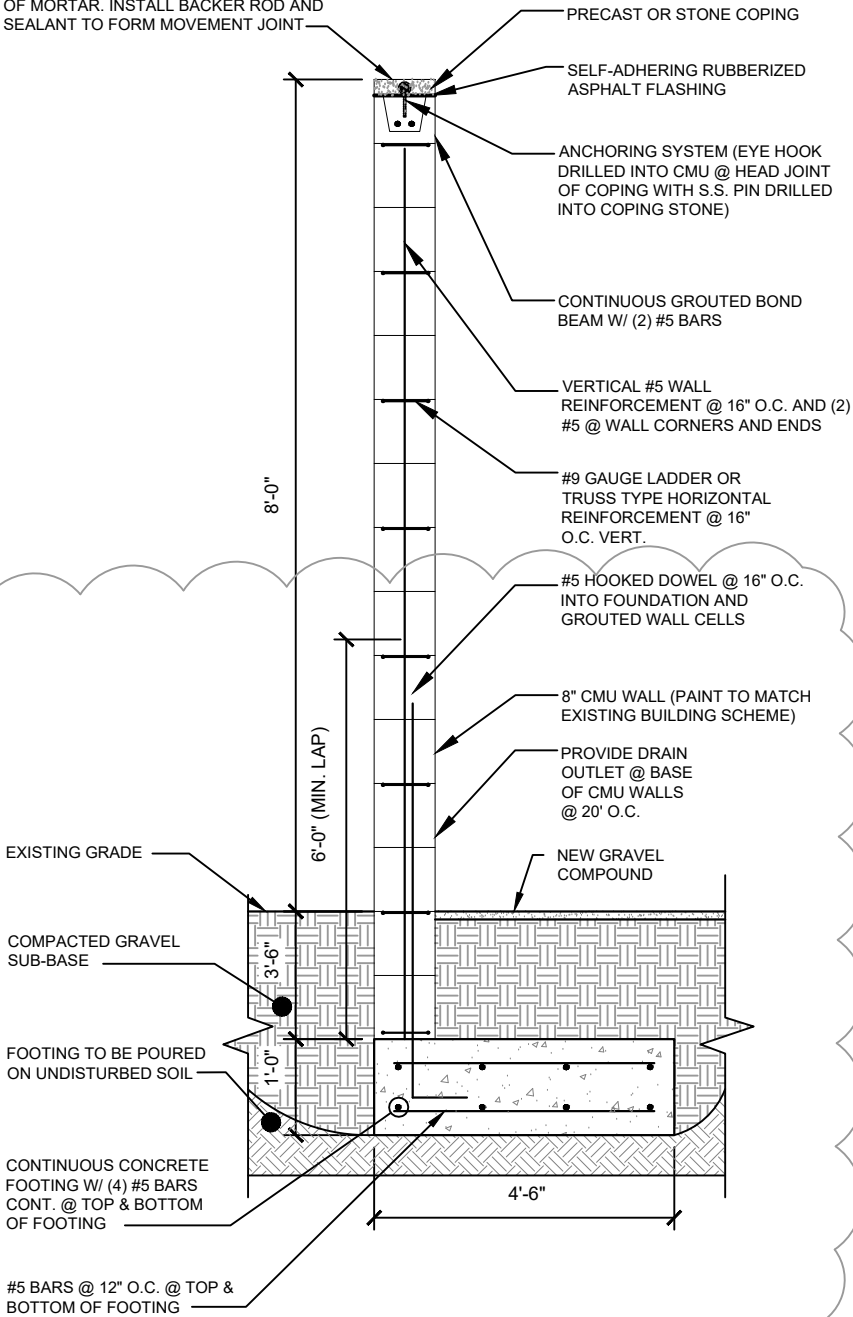
**WT GROUP**

Engineering with Precision, Pace and Passion  
5580 PETERSON LANE, STE 250  
DALLAS, TX 75244 T: 214.384.0744  
www.wtengineering.com  
Texas Firm Registration No. F-18865 Exp. 3/31/21  
© COPYRIGHT 2021 THE WT GROUP, LLC



FOUNDATIONS ARE DESIGNED FOR AN ASSUMED MINIMUM NET ALLOWABLE SOIL BEARING CAPACITY OF 2000 PSF. IT IS RECOMMENDED THAT A GEOTECHNICAL INVESTIGATION BE COMPLETED PRIOR TO CONSTRUCTION. IF SOIL BEARING CAPACITY IS LESS THAN WHAT IS SPECIFIED HERE, CONTACT ENGINEER FOR A REDESIGN

RAKE COPING HEAD JOINTS TO 3/8" DEPTH. INSTALL BOND-BREAK TAPE AND SEALANT AT EVERY THIRD HEAD JOINT, LEAVE CLEAR OF MORTAR. INSTALL BACKER ROD AND SEALANT TO FORM MOVEMENT JOINT

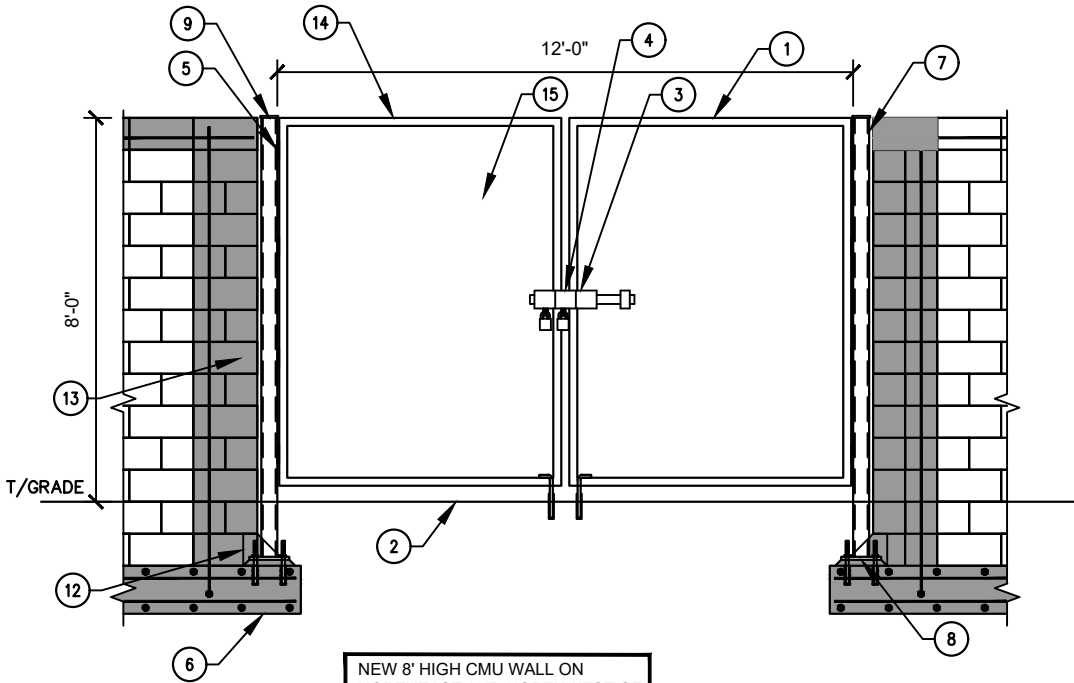


CMU WALL SECTION

SCALE: NONE

2

- REFERENCE NOTES:
1. MANUFACTURER TO PROVIDE RUST INHIBITIVE PAINT OR GALVANIZATION
  2. GRANULAR SITE MATERIAL - SEE SITE GRADING DETAIL
  3. NOT USED.
  4. STYME LOCK OR APPROVED EQUIVALENT.
  5. WELD ON HEAVY DUTY HINGE (4) PER LENGTH OF TUBE WITH FINISH TO MATCH FRAME.
  6. GATE POST CONCRETE FOUNDATION (3000PSI) MINIMUM. SEE NOTES OR STRUCTURAL DRAWING FOR ADDITIONAL INFORMATION.
  7. HSS4x4x3/8 FINISH TO MATCH GATE FRAME. WELDED TO BASEPLATE W/ 3/16" WELD ALL AROUND.
  8. 3/4" BASEPLATE W/ (4) 3/4" DIAMETER BOLTS EMBEDDED 4 1/2" INTO FOUNDATION W/ HILTI HY200 ADHESIVE ANCHOR. 1 1/2" 5000 PSI NON SHRINK GROUT BELOW.
  9. 1/2" CAP PLATE. WELD TO TOP OF POST W/ 3/16" WELD ALL AROUND.
  10. GATE STOP SUPPORT 12" DIAMETER BY 2'-0" DEEP 3000 PSI CONCRETE.
  11. REMOVABLE 1/2" DIAMETER BENT BAR WITH CASING EMBEDDED IN GATE STOP CONCRETE.
  12. BASE BLOCK TRIMMED AROUND BASE AND GROUTED FROM TOP W/ 5000 PSI NON SHRINK GROUT OVER BASEPLATE.
  13. LAST TWO CELLS FULLY GROUTED. ONE CELL AWAY FROM END TO BE FULLY GROUTED W/ (2) #4 BARS.
  14. 2 SQ. IN. STEEL FRAME ALL AROUND.
  15. 1 SQ. IN. OPAQUE METAL.

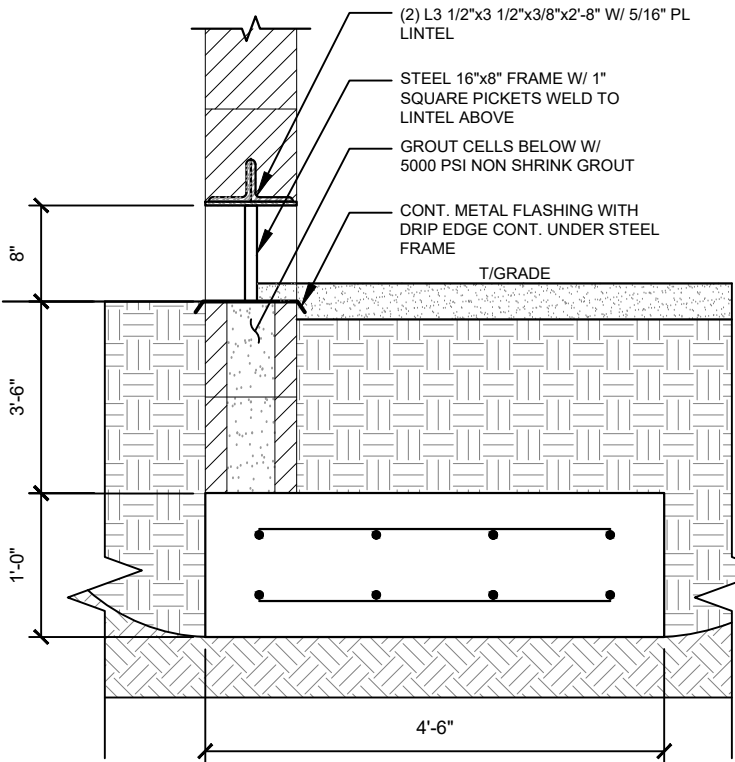


NEW 8" HIGH CMU WALL ON NORTHEAST AND NORTHWEST OF LEASE AREA (PAINT TO MATCH EXISTING BUILDING SCHEME)

CMU WALL

SCALE: NONE

1



DRAIN OUTLET SECTION

SCALE: NONE

3

NOT USED

SCALE: NONE

4

REVISIONS

REV.	ISSUED FOR	DATE	BY
Δ	FOR ZONING REVIEW	06/02/21	BA

AQUATIC \ DESIGN & PROGRAM MANAGEMENT  
CIVIL \ TELECOMMUNICATION \ MECHANICAL  
PLUMBING \ ELECTRICAL \ LAND SURVEYING  
ACCESSIBILITY CONSULTING \ STRUCTURAL



CHECK: AG

DRAWN: BA

JOB: T2100078

Z-3

CMU WALL DETAILS



DA03195C  
TX224 / ASBURY UMC  
117 HERCULES LANE  
DENTON, TX 76207

WT Group  
Engineering • Design • Consulting

WT GROUP

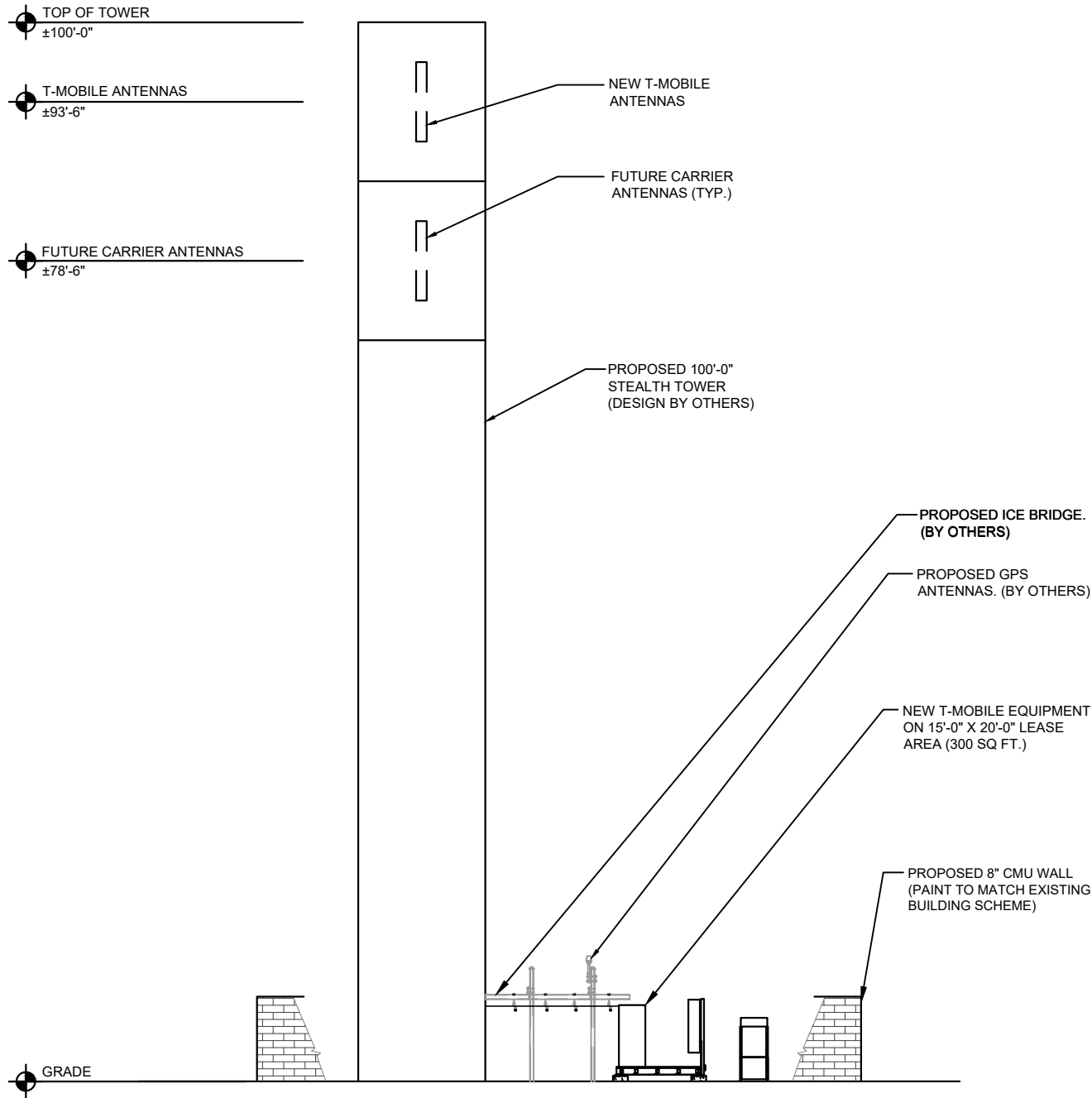
Engineering with Precision, Pace and Passion  
5580 PETERSON LANE, STE 250  
DALLAS, TX 75244 T: 214.384.0744  
www.wtengineering.com  
Texas Firm Registration No. F-18865 Exp. 3/31/21  
© COPYRIGHT 2021 THE WT GROUP, LLC

T-Mobile®

NOTE:  
W-T'S SCOPE OF WORK DOES NOT INCLUDE A STRUCTURAL EVALUATION OF THIS TOWER OR STRUCTURE. NEW ANTENNAS AND EQUIPMENT SHOWN ON THIS PLAN HAVE NOT BEEN EVALUATED TO VERIFY THE TOWER OR STRUCTURE HAS THE CAPACITY TO ADEQUATELY SUPPORT THESE ANTENNAS. PRIOR TO ANY ANTENNA OR EQUIPMENT INSTALLATION, A STRUCTURAL EVALUATION OF THE TOWER OR STRUCTURE, INCLUDING ALL ANTENNA MOUNTING SYSTEMS & HARDWARE SHALL BE PERFORMED.

NOTE:  
PRIOR TO INSTALLING ANY EQUIPMENT ON TOWER, CONTRACTOR SHALL REFER TO THE CURRENT STRUCTURAL ANALYSIS/ TOWER DRAWINGS BY TOWER MANUFACTURER

NOTE:  
PRIOR TO CONSTRUCTION CONTRACTOR TO VERIFY FAA REQUIREMENTS FOR LIGHTING TOWER



<b>TOWER ELEVATION</b>	<b>1</b>
SCALE: 1" = 15'-0"	




**WT GROUP**  
Engineering with Precision, Pace and Passion  
5580 PETERSON LANE, STE 250  
DALLAS, TX 75244 T: 214.384.0744  
www.wtengineering.com  
Texas Firm Registration No. F-18865 Exp. 3/31/21  
© COPYRIGHT 2021 THE WT GROUP, LLC

**WT Group**  
Engineering • Design • Consulting

**DA03195C**  
**TX224 / ASBURY UMC**  
117 HERCULES LANE  
DENTON, TX 76207

REV.	ISSUED FOR	DATE	BY
Δ	FOR ZONING REVIEW	06/02/21	BA

AQUATIC \ DESIGN & PROGRAM MANAGEMENT  
CIVIL \ TELECOMMUNICATION \ MECHANICAL  
PLUMBING \ ELECTRICAL \ LAND SURVEYING  
ACCESSIBILITY CONSULTING \ STRUCTURAL



CHECK: AG

DRAWN: BA

JOB: T2100078

**Z-4**  
TOWER ELEVATION