



690 Chesterfield Pkwy W • Chesterfield MO 63017-0760
Phone: 636-537-4000 • Fax 636-537-4798 • www.chesterfield.mo.us

Department of Planning & Public Works City of Chesterfield Public Hearing Summary Report

TSP 35-2011 AT&T (14759 Deerhorn Drive) A request to obtain approval for a Telecommunication Facility Siting Permit for a collocation of additional antennas and equipment on an existing lattice tower in a “FPR1” Residence District and “FPR1A” Residence District–zoned property located at 14759 Deerhorn Drive north of the intersection of Greenleaf Valley Drive and Deerhorn Drive (19R420441).

Summary

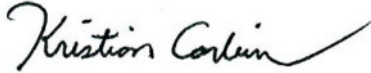
The above-referenced project is a request for a Telecommunications Siting Permit (T.S.P.). If the request is approved, the Permit will allow the placement of three (3) additional antennas from AT&T on a lattice tower located at 14759 Deerhorn Drive. Additional equipment to support the new antennas is proposed to be placed within the existing equipment compound.

City of Chesterfield Ordinance 2391, which now governs telecommunications and facilities siting, requires a public hearing before the City of Chesterfield Planning Commission for alterations that present a material change. Please note, the Commission does not provide a recommendation to the City Council, but rather a list of issues generated during the hearing. City Council is the decision-making body for all requests for Telecommunications Siting Permits. A public hearing further addressing the request will be held at the November 28, 2011 City of Chesterfield Planning Commission meeting.



Attached please find a copy of the Public Hearing Notice and an application packet detailing the Petitioner's request.

Respectfully submitted,

A handwritten signature in black ink that reads "Kristian Corbin". The signature is written in a cursive style with a long, sweeping tail on the letter "n".

Kristian Corbin
Project Planner

Cc: Michael G. Herring, City Administrator
Rob Heggie, City Attorney
Michael O. Geisel, Director of Planning, Public Works and Parks
Aimee Nassif, Planning and Development Services Director



NOTICE OF PUBLIC HEARING CITY OF CHESTERFIELD PLANNING COMMISSION

NOTICE IS HEREBY GIVEN that the Planning Commission of the City of Chesterfield will hold a Public Hearing on Monday, November 28, 2011 at 6:30 pm, in the Council Chambers at the City Hall, 690 Chesterfield Parkway West, Chesterfield, Missouri 63017.

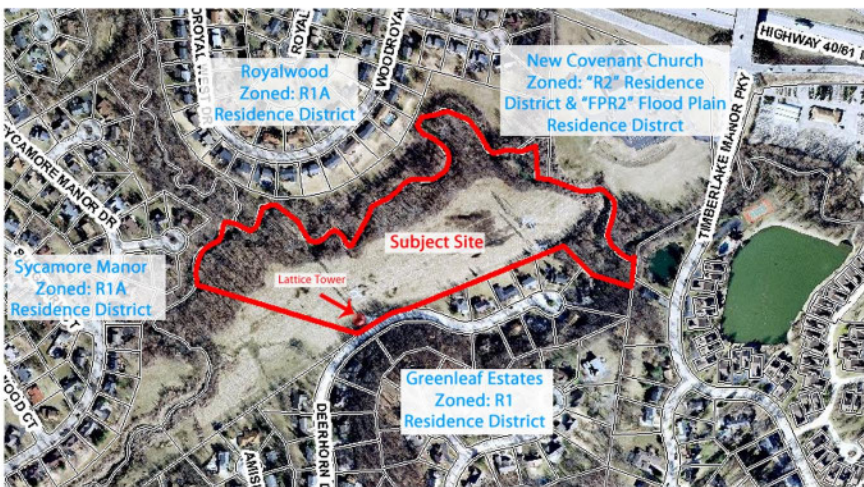
TSP 35-2011 AT&T (14759 Deerhorn Drive): A request to obtain approval for a Telecommunication Facility Siting Permit for a collocation of additional antennas and equipment on an existing lattice tower in a "FPR1" Residence District and "FPR1A" Residence District –zoned property located at 14759 Deerhorn Drive north of the intersection of Greenleaf Valley Drive and Deerhorn Drive (19R420441).

Description of Property

A tract of land being part of the tract shown as Common Ground on the plat of Greenleaf Estates Plat Four as recorded in Plat Book 194, at Pages 62-64 of the St. Louis County Land Records.



City of Chesterfield
690 Chesterfield Parkway West
Chesterfield, MO 63017



Information on this Public Hearing may be found on the City's website at <http://www.chesterfield.mo.us/public-notice.html> or by contacting Project Planner Kristian Corbin at 636.537.4743 or via e-mail at kcorbin@chesterfield.mo.us. All interested parties will be given an opportunity to be heard at the Public Hearing.

MO3599 UE TIMBERLAKE



LTE 166'-TRANSMISSION TOWER

ENGINEERING

2009 INTERNATIONAL BUILDING CODE
2008 NATIONAL ELECTRIC CODE
ANSI/TIA-222-G OR LATEST EDITION

GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

PROJECT DESCRIPTION

THE PROJECT CONSISTS OF THE INSTALLATION AND OPERATION OF ANTENNAS AND ASSOCIATED EQUIPMENT CABINETS FOR AT&T'S CONDUCTORLESS TELECOMMUNICATIONS NETWORK. INSTALLATION OF (3) RRHS, (1) FIBER CABLE, (2) DC POWER CABLE, (1) RAYCAP SURGE PROTECTOR, (1) LTE RACK, (3) PIPE MOUNTED PANEL ANTENNAS, (3) TMAs INCLUDING (6) COAX AND (1) GPS ANTENNA IS PROPOSED.

SITE INFORMATION

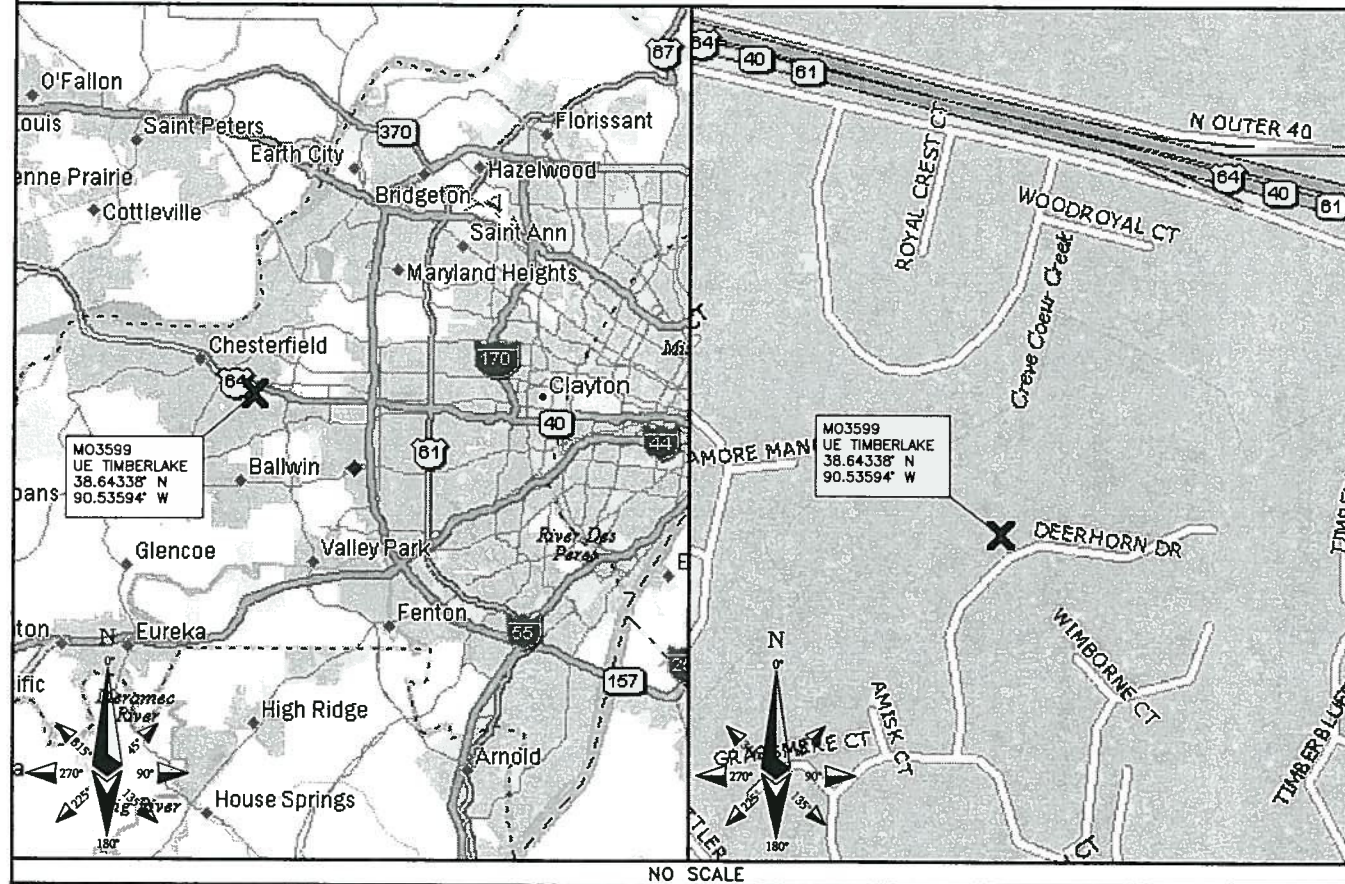
PROPERTY OWNER: UNION ELECTRIC COMPANY d/b/a AMEREN UE NA
ADDRESS:
TOWER OWNER: UNION ELECTRIC COMPANY D/B/A AMEREN UE
SITE NAME: MASON-GRAY SUMMIT TOWER #27 WW001
SITE NUMBER:
SITE CONTACT: TIM WEBERS (314) 554-2993
SITE ADDRESS: 14759 DEERHORN DRIVE CHESTERFIELD, MO 63017
COUNTY: ST. LOUIS COUNTY
LATITUDE (NAD 83): 38° 38' 36.17" N 38.64338
LONGITUDE (NAD 83): 90° 32' 9.38" W -90.53594
GROUND ELEVATION: 509' AMSL
RAD CENTER: 171' AGL
ZONING JURISDICTION: ST. LOUIS COUNTY
ZONING DISTRICT: FPR1A
PARCEL #: 19R420441
OCCUPANCY GROUP: U
CONSTRUCTION TYPE: V-B
POWER COMPANY: AMEREN MO
TELEPHONE COMPANY: AT&T
SITE ACQUISITION CONTACT: DOUG KONRATH (314) 605-7542
RF ENGINEER: RON HUMPHREY
CONSTRUCTION MANAGER: KEN SHAW (314) 210-8629

IF USING 11"X17" PLOT, DRAWINGS WILL BE HALF SCALE

CONTACT INFORMATION

ENGINEER: 15450 S OUTER FORTY DR, SUITE 200 CHESTERFIELD, MO 63017
CONTACT: GEORGE P. XENOS
PHONE: (913) 687-9233

LOCATION MAPS



DRIVING DIRECTIONS

DIRECTIONS FROM NEAREST AT&T OFFICE:
FROM SR 100, TURN LEFT ONTO LOCAL ROAD, GO STRAIGHT ONTO SR 100, TURN RIGHT ONTO WEIDMAN ROAD, TURN LEFT ONTO CLAYTON ROAD, TURN RIGHT ONTO SCHOETTLER ROAD, TURN RIGHT ONTO GREENLEAF VALLEY DRIVE, TURN LEFT ONTO DEERHORN DRIVE, SITE IS ON THE LEFT.

APPROVALS

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS AND AUTHORIZE THE CONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND MAY IMPOSE CHANGES OR MODIFICATIONS.

AT&T RF: _____ DATE: _____
AT&T OPERATIONS: _____ DATE: _____
AT&T SITE AQ: _____ DATE: _____
OCI: _____ DATE: _____
PROPERTY OWNER: _____ DATE: _____
MUNICIPAL: _____ DATE: _____

DRAWING INDEX

SHEET NO:	SHEET TITLE
T-1	TITLE SHEET
Z-1	1 SITE SURVEY (BY OTHERS)
Z-2	OVERALL SITE PLAN
Z-3	ENLARGED SITE PLAN
Z-4	SITE ELEVATIONS

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME



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

TOLL FREE: 1-800-344-7483 OR
www.mo1call.com

MISSOURI STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE



13075 MANCHESTER RD, SUITE 100
ST LOUIS, MO 63131



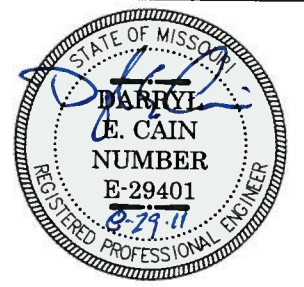
BLACK & VEATCH

10950 GRANDVIEW DRIVE
OVERLAND PARK, KANSAS 66210
(913) 458-2000

BLACK & VEATCH PROFESSIONAL ENGINEERING CORPORATION
MISSOURI STATE CERTIFICATE OF AUTHORITY # 001848

PROJECT NO: 168986
DRAWN BY: AMH
CHECKED BY: GPX

REV	DATE	DESCRIPTION
1	08/29/11	PLANNER COMMENTS
0	08/10/11	ISSUED FOR ZONING



DARRYL E. CAIN E-29401
PROFESSIONAL ENGINEER

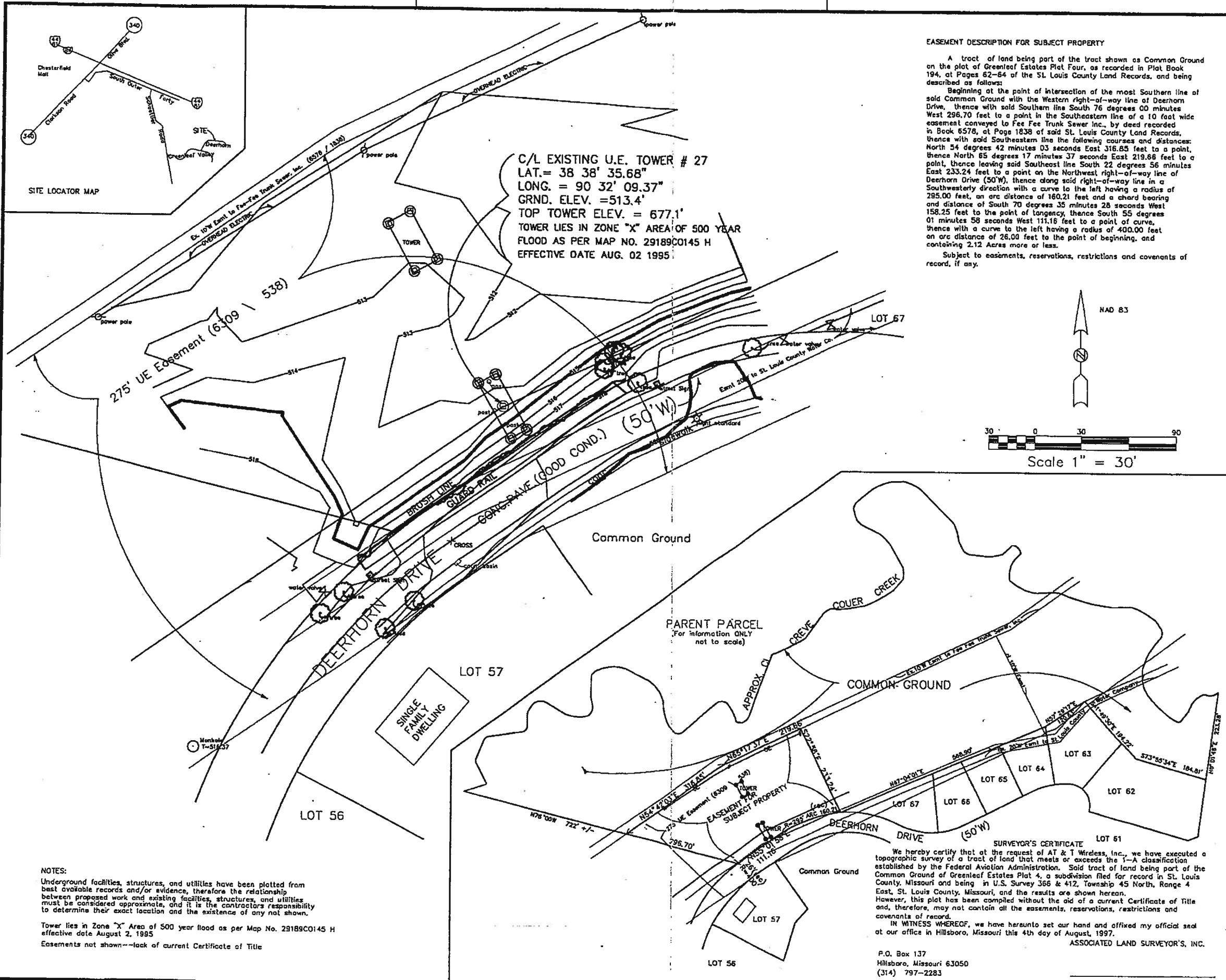
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

MO3599
UE TIMBERLAKE
14759 DEERHORN DRIVE
CHESTERFIELD, MO 63017
LTE- SST

SHEET TITLE
TITLE SHEET

SHEET NUMBER

T-1



EASEMENT DESCRIPTION FOR SUBJECT PROPERTY

A tract of land being part of the tract shown as Common Ground on the plot of Greenleaf Estates Plat Four, as recorded in Plat Book 194, at Pages 62-64 of the St. Louis County Land Records, and being described as follows:
 Beginning at the point of intersection of the most Southern line of said Common Ground with the Western right-of-way line of Deerhorn Drive, thence with said Southern line South 76 degrees 00 minutes West 296.70 feet to a point in the Southeastern line of a 10 foot wide easement conveyed to Fee Fee Trunk Sewer Inc., by deed recorded in Book 6578, at Page 1838 of said St. Louis County Land Records, thence with said Southeastern line the following courses and distances: North 54 degrees 42 minutes 03 seconds East 316.85 feet to a point, thence North 65 degrees 17 minutes 37 seconds East 219.66 feet to a point, thence leaving said Southeastern line South 22 degrees 56 minutes East 233.24 feet to a point on the Northwest right-of-way line of Deerhorn Drive (50'W), thence along said right-of-way line in a Southwesterly direction with a curve to the left having a radius of 295.00 feet, an arc distance of 160.21 feet and a chord bearing and distance of South 70 degrees 35 minutes 28 seconds West 158.25 feet to the point of tangency, thence South 55 degrees 01 minutes 58 seconds West 111.16 feet to a point of curve, thence with a curve to the left having a radius of 400.00 feet on an arc distance of 26.00 feet to the point of beginning, and containing 2.12 Acres more or less.
 Subject to easements, reservations, restrictions and covenants of record, if any.

C/L EXISTING U.E. TOWER # 27
 LAT. = 38 38' 35.68"
 LONG. = 90 32' 09.37"
 GRND. ELEV. = 513.4'
 TOP TOWER ELEV. = 677.1'
 TOWER LIES IN ZONE "X" AREA OF 500 YEAR FLOOD AS PER MAP NO. 29189C0145 H EFFECTIVE DATE AUG. 02 1995

NOTES:
 Underground facilities, structures, and utilities have been plotted from best available records and/or evidence, therefore the relationship between proposed work and existing facilities, structures, and utilities must be considered approximate, and it is the contractor's responsibility to determine their exact location and the existence of any not shown.
 Tower lies in Zone "X" Area of 500 year flood as per Map No. 29189C0145 H effective date August 2, 1995
 Easements not shown--lack of current Certificate of Title

SURVEYOR'S CERTIFICATE
 We hereby certify that at the request of AT & T Wireless, Inc., we have executed a topographic survey of a tract of land that meets or exceeds the 1-A classification established by the Federal Aviation Administration. Said tract of land being part of the Common Ground of Greenleaf Estates Plat 4, a subdivision filed for record in St. Louis County, Missouri and being in U.S. Survey 366 & 412, Township 45 North, Range 4 East, St. Louis County, Missouri, and the results are shown hereon. However, this plat has been compiled without the aid of a current Certificate of Title and, therefore, may not contain all the easements, reservations, restrictions and covenants of record.
 IN WITNESS WHEREOF, we have hereunto set our hand and affixed my official seal at our office in Hillsboro, Missouri this 4th day of August, 1997.
 ASSOCIATED LAND SURVEYOR'S, INC.

P.O. Box 137
 Hillsboro, Missouri 63050
 (314) 797-2283

WAYNE WILEY R.L.S. 1530

REV	DATE	DESCRIPTION	DSGN
1	8-4-97	certs. parent parcel	MAG
2	8-7-97	legal description added	MAG

DRAWN BY: D.W.W.

CHECKED BY:

APPROVED BY:

DATE DRAWN: 07-20-97

Associated Land Surveyor's, Inc.
 P.O. Box 137
 Hillsboro, Missouri 63050
 Phone: (314) 797-2283
 Fax: (314) 942-4001



PCS SITE NO.: WW001
 UNION ELECTRIC-MASON-GRAY SUMMIT LINE
 TOWER NO: #27
 SITE ADDRESS:

TITLE:
 CIVIL SURVEY

FD CONTRACT NO. 21900204
 DRAWING NO. WW001-C1

PLOT DATE: 08-26-97
 FILENAME: (19845) SCHOETTL.DWG
 XREF:



13075 MANCHESTER RD, SUITE 100
ST LOUIS, MO 63131



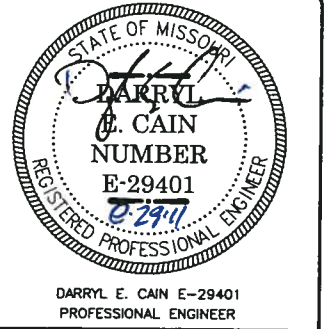
BLACK & VEATCH

10950 GRANDVIEW DRIVE
OVERLAND PARK, KANSAS 66210
(913) 458-2000

BLACK & VEATCH PROFESSIONAL ENGINEERING CORPORATION
MISSOURI STATE CERTIFICATE OF AUTHORITY # 001848

PROJECT NO:	168986
DRAWN BY:	AMH
CHECKED BY:	GPX

REV	DATE	DESCRIPTION
1	08/29/11	PLANNER COMMENTS
0	08/10/11	ISSUED FOR ZONING

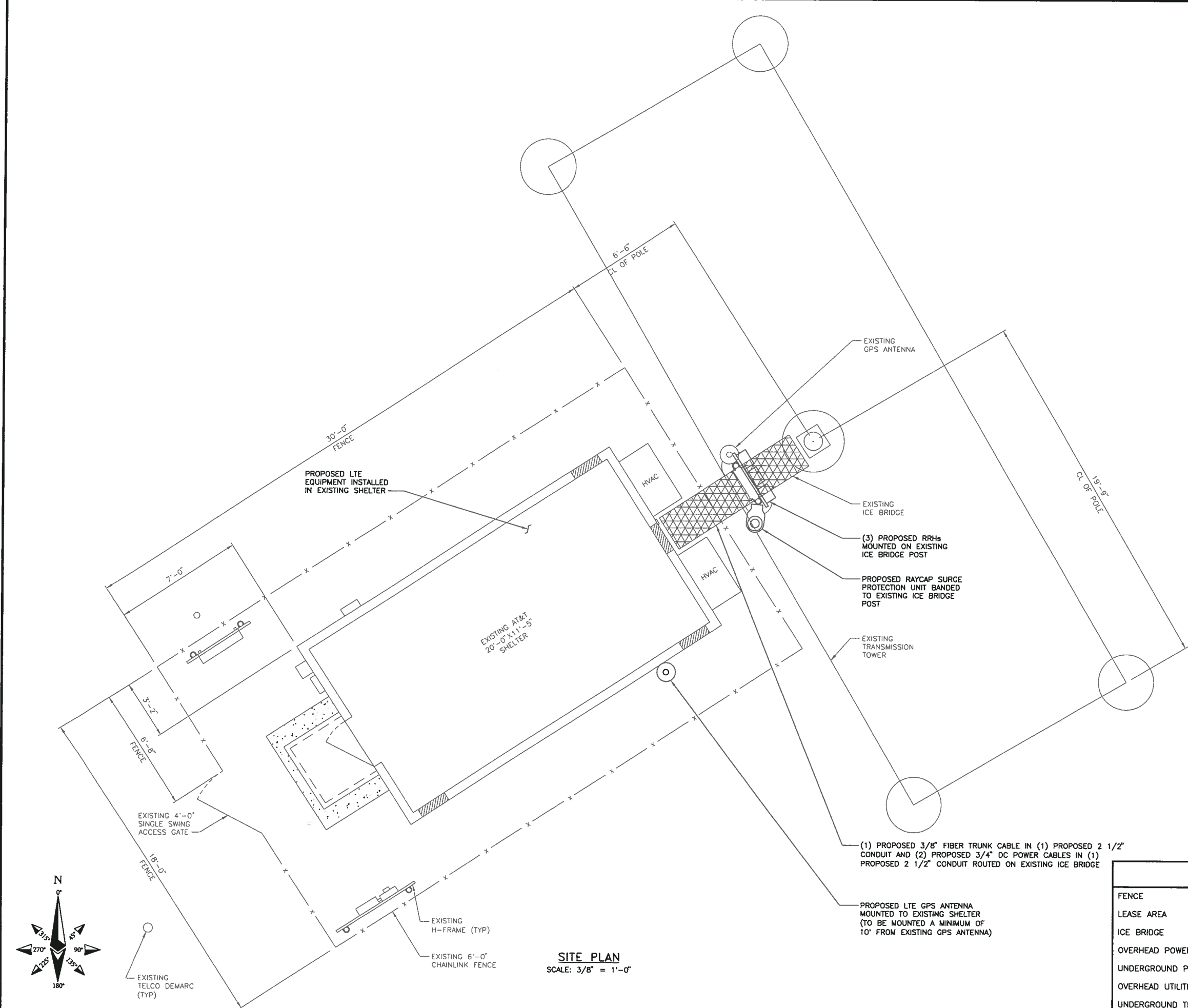


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M03599
UE TIMBERLAKE
14759 DEERHORN DRIVE
CHESTERFIELD, MO 63017
LTE- SST

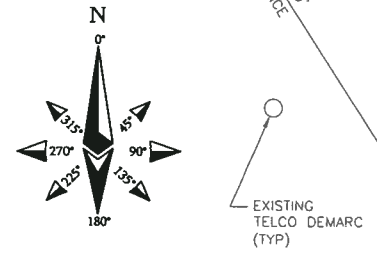
SHEET TITLE
ENLARGED SITE PLAN

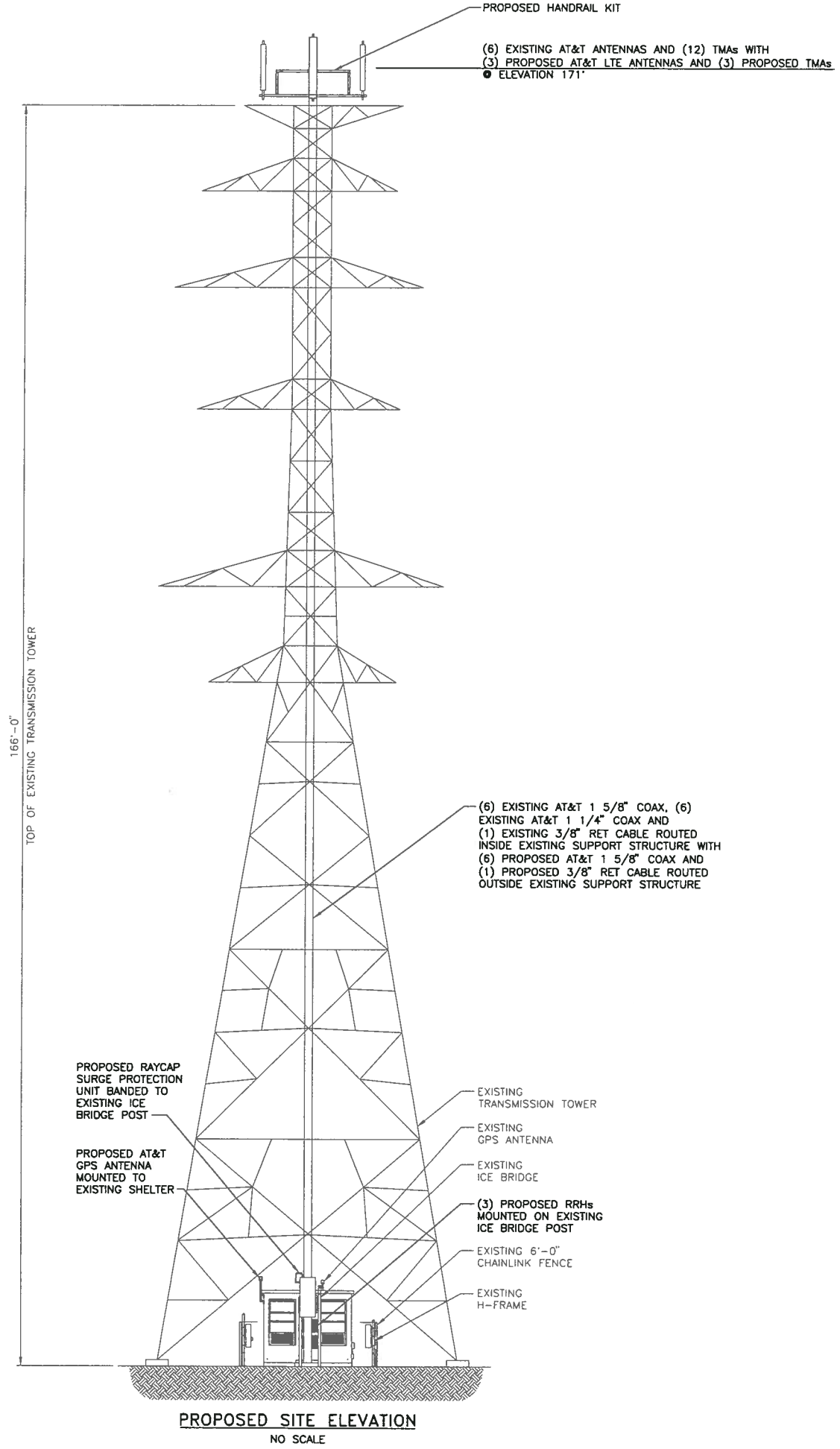
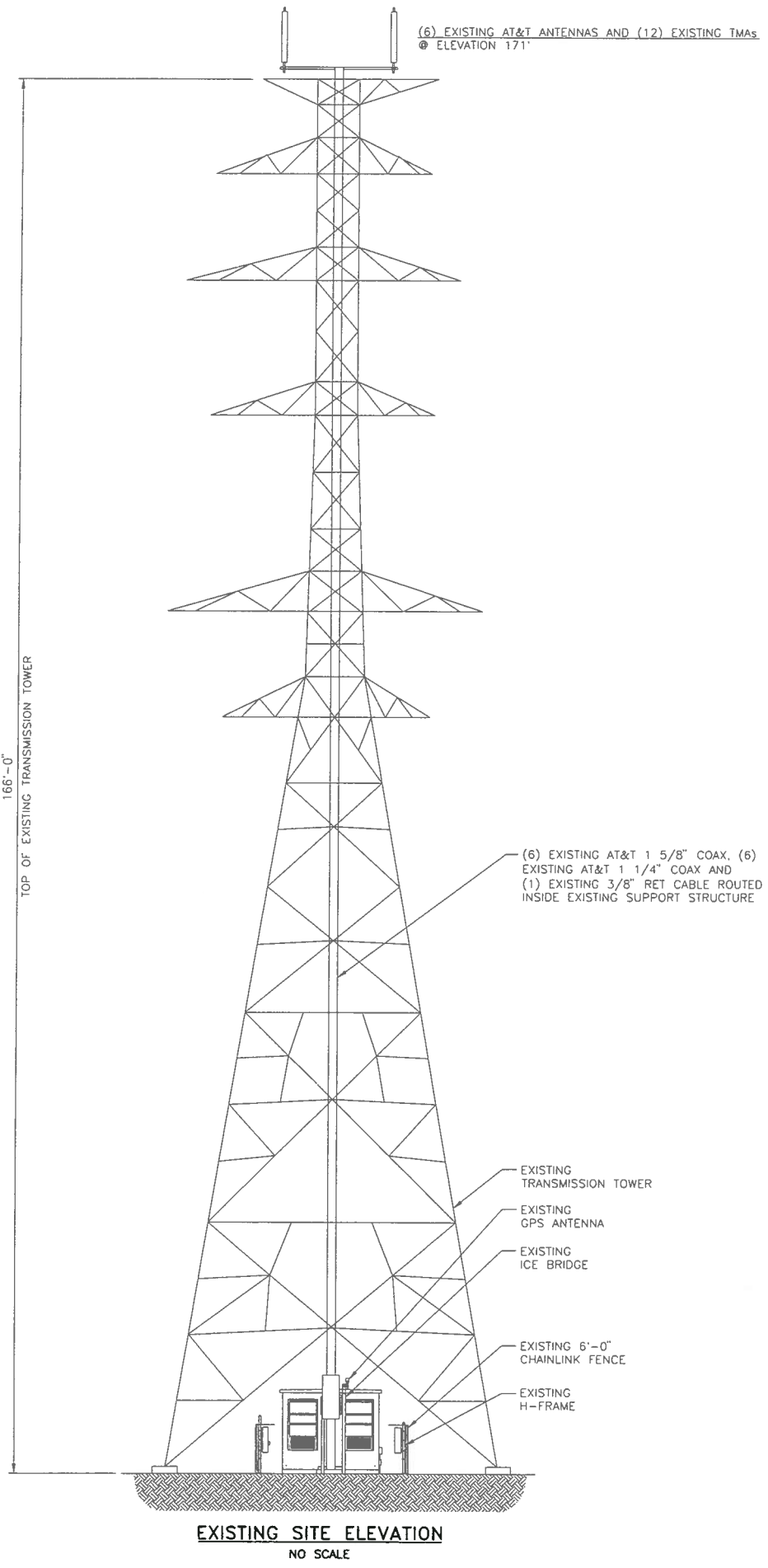
SHEET NUMBER
Z-3



SITE PLAN
SCALE: 3/8" = 1'-0"

LEGEND	
FENCE	— x — x — x —
LEASE AREA	— x — x — x —
ICE BRIDGE	XXXXXXXXXXXXXXXXXXXX
OVERHEAD POWER	— OHP — OHP — OHP —
UNDERGROUND POWER	— UGP — UGP — UGP —
OVERHEAD UTILITIES	— OHU — OHU — OHU —
UNDERGROUND TELCO	— UGT — UGT — UGT —





13075 MANCHESTER RD, SUITE 100
ST LOUIS, MO 63131



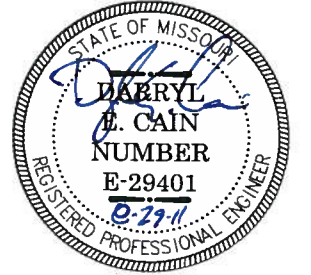
BLACK & VEATCH

10950 GRANDVIEW DRIVE
OVERLAND PARK, KANSAS 66210
(913) 458-2000

BLACK & VEATCH PROFESSIONAL ENGINEERING CORPORATION
MISSOURI STATE CERTIFICATE OF AUTHORITY # 001844

PROJECT NO:	168986
DRAWN BY:	AMH
CHECKED BY:	GPX

REV	DATE	DESCRIPTION
1	08/29/11	PLANNER COMMENTS
0	08/10/11	ISSUED FOR ZONING



DARRYL E. CAIN E-29401
PROFESSIONAL ENGINEER

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M03599
UE TIMBERLAKE
14759 DEERHORN DRIVE
CHESTERFIELD, MO 63017
LTE- SST

SHEET TITLE
SITE ELEVATION

SHEET NUMBER
Z-4



August 5, 2011

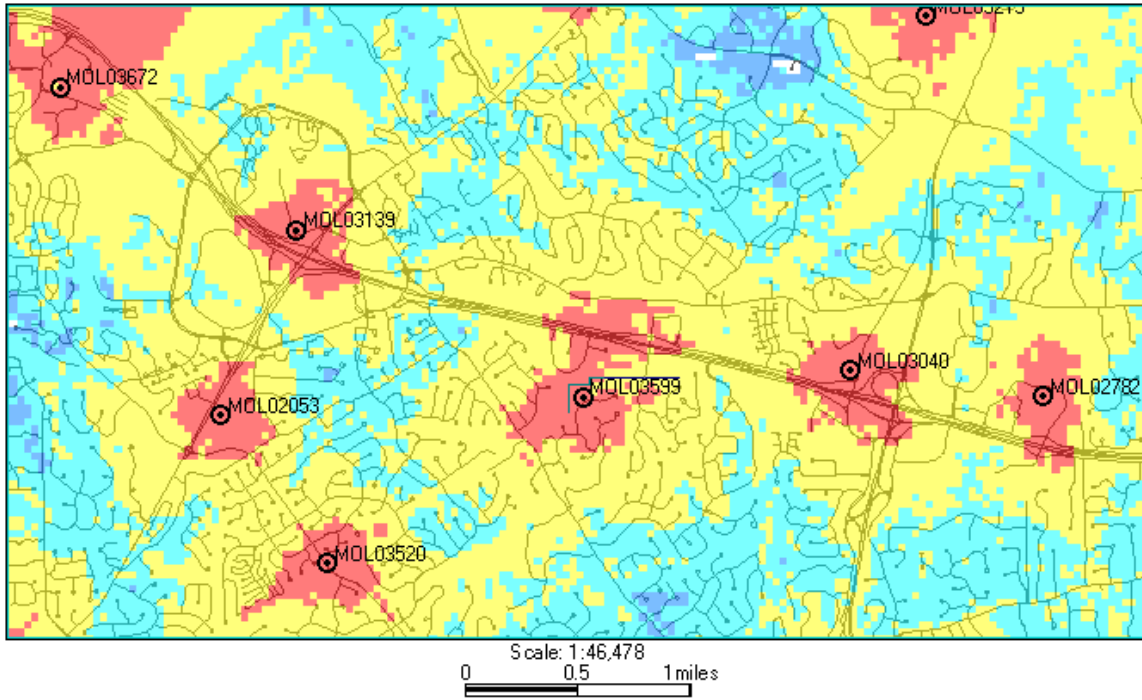
The following is a brief explanation of why AT&T Mobility is proposing to have the current wireless communication facility at 14759 Deerhorn Drive modified. This facility is labeled as MOL03599 on Map 1. Currently this facility is only capable of broadcasting our older technologies.

This facility currently is broadcasting our “2G” technology (called GSM) and our “3G” technology (called UMTS). Each technology uses its own antennas and equipment. The modification we are proposing is to add our “4G” technology (called LTE). Perhaps you have seen all the television commercials from various wireless carriers talking about their 4G systems. 4G, short for 4th generation of wireless technology, allows wireless carriers to provide much faster data speeds than our current networks. 4G is only for data at this point. All voice calls will still be served on older technologies. Currently AT&T still has the fastest data network. Although as other carriers implement and optimize their 4G networks we expect to lose that advantage and eventually fall behind other carriers unless we also launch our 4G network. The proposed modifications will allow us to implement our 4G technology by using additional antennas and equipment.

Because of national E911 requirements, this site needs to run all technologies. The 4G technology is not capable of handling voice calls at this time and all 911 calls made from a wireless device will be routed through our older technologies. These technologies require that we use a total of 3 antennas for each direction covered. This site, like most of our locations, serves three directions creating a need for 9 antennas. This requires us to add 3 additional antennas for this location.

This plan will have no effect on our coverage for current technologies. Map 1 below shows the proposed coverage for our 4G network in the area. AT&T Mobility has acceptable coverage in most of the surrounding area. Because 4G is a data only service the different signal levels don't indicate whether service exists or not. In general on 4G the stronger the signal (to a point) the faster the data rates will be. It is expected that red, yellow and light blue will have data speeds faster than our 3G technology. The dark blue will likely have data speeds nearly identical to the 3G technology.

Map 1 Proposed AT&T “4G” coverage



Ron Humphrey

Radio Frequency Design Engineer
AT&T Mobility Division