



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

T.S.P. 27-2010 AT&T (13559 Olive Boulevard): A request to obtain approval for a Telecommunications Facility Siting Permit for location of antennas and equipment on two sections of land within 13559 Olive Boulevard zoned "PC" Planned Commercial District. (16Q241471).

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 replacement of an existing tower and antennas and the placement of three (3) additional antennas from AT&T. Additional equipment to support the new antennas is proposed within the existing equipment compound located at the rear of the property.

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 January 23, 2012 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.

Kristion Corlin

Respectfully submitted,

Kristian Corbin Project Planner

Cc: Michael G. Herring, City Administrator

Rob Heggie, City Attorney

Michael O. Geisel, Director of Planning, Public Works, & 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, January 23, 2012 at 7:00 pm, in the Council Chambers at the City Hall, 690 Chesterfield Parkway West, Chesterfield, Missouri 63017.

T.S.P. 27-2010 AT&T (13559 Olive Boulevard): A request to obtain approval for a Telecommunications Facility Siting Permit for location of antennas and equipment on two sections of land within 13559 Olive Boulevard respectively zoned "PC" Planned Commercial District. (16Q241471)

Description of Property

A tract of land being part of Lot 1 of Share 1 of Partition of Missouri Stevens Estate as recorded in Plat Book 7755, Page 1660 in US Survey 207, Township 46 North, Range 5 East, St. Louis County, Missouri.



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.





The following is a brief explanation of why AT&T Mobility is proposing to change antennas at our current location at 13559 Olive Blvd in Chesterfield. Currently this facility only is capable of broadcasting our "2G" technology called GSM. This is our older technology that has been around since 2003. To broadcast our newer "3G" technology, called UMTS, and our soon to be launched "4G" technology, called LTE, we need to added more and new antennas. The 3G technology provides better voice quality and faster data rates than our current 2G technology. The 3G technology provides the basis for our fastest wireless internet advertising campaign. 3G is the technology that most new customers use. The modification will also allow AT&T to add our "4G" technology. 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. Without changing antennas this location will not be capable of transmitting the 3G or 4G technologies.

Because of high usage in the immediate area, customers are experiencing slow data speeds. As the demand for wireless data increases, the speeds customers experience will keep getting slower without the proposed modifications.

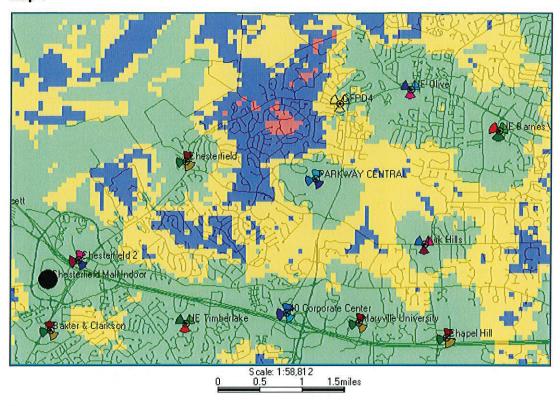
As seen in the map 1 below AT&T Mobility has outdoor and in vehicle 3G cellular coverage in most of the surrounding area. The green indicates solid coverage where phones should be able to perform at acceptable levels in most buildings. The blue indicates that a AT&T mobile device should perform at acceptable levels in vehicles and some buildings. The yellow indicates Mobile devices should work for in vehicle coverage but will be unacceptable to most customers for in building coverage. Map 2 shows the 3G coverage with the proposed site added.

If this application is approved this location will transmit GSM which uses TDMA modulation with a EIRP of 56.2 dBm. It will also transmit UMTS which uses a CDMA modulation with an EIRP of 50.5 dBm. Both technologies will use all of our FCC granted licenses. The transmit frequencies of these licenses are 880-890, 891.5-894, 1935-1950 and 1965-1970 Mhz. The receive frequencies of these licenses are 835-845, 846.5-849, 1855-1870 and 1885-1890 Mhz. The LTE will transmit at a EIRP of 57 dBm using a CDMA modulation. It will transmit on 734-746 Mhz and will receive on 704-716 Mhz.

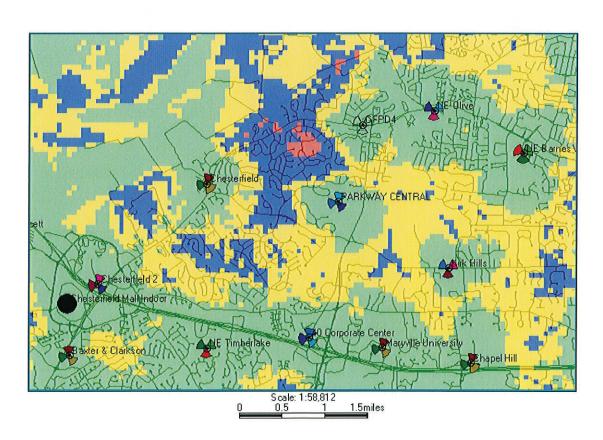
Ron Humphrey
Radio Frequency Design Engineer
AT&T Mobility Division



Map 1



Map2



MO3147 CFPD4

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. I 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
DEPONDED.

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 (1) LIGHT POLE, (1) UMTS CABINET, (1) POWER NODE B CABINET, (1) LTE eNODE B, (1) LTE GPS ANTENNA, (6) ANTENNAS, (3) RRHs INCLUDING (12) COAX, (6) TMAS AND (6) DIPLEXERS IS PROPOSED.

SITE INFORMATION

PROPERTY OWNER:

MCDONALD'S CORPORATION PERRY PELTON REGIONAL REAL ESTATE MANAGER 10801 MASTIN BLVD, SUITE 400 OVERLAND PARK, KS 66210

TOWER OWNER: SITE NAME: SITE NUMBER:

SITE CONTACT:

SITE ADDRESS:

MO3147 CFPD4 NA

13559 OLIVE BLVD CHESTERFIELD, MO 63017

COUNTY: LATITUDE (NAD 83): ST. LOUIS COUNTY 38' 40' 47.8668" N

LONGITUDE (NAD 83):

90" 30' 4.2624" W -90.501184

GROUND ELEVATION: RAD CENTER:

550' AMSI. 34', 44' AGL

ZONING JURISDICTION:

CITY OF CHESTERFIELD C-8

AMEREN MO

ZONING DISTRICT: PARCEL #:

160241471 OCCUPANCY GROUP:

CONSTRUCTION TYPE:

POWER COMPANY:

TELEPHONE COMPANY: AT&T

SITE ACQUISITION CONTACT: (636) 532-1051 x113

RF ENGINEER:

RON HUMPHREY

CONSTRUCTION MANAGER:

(314) 210-8629

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

CONTACT INFORMATION

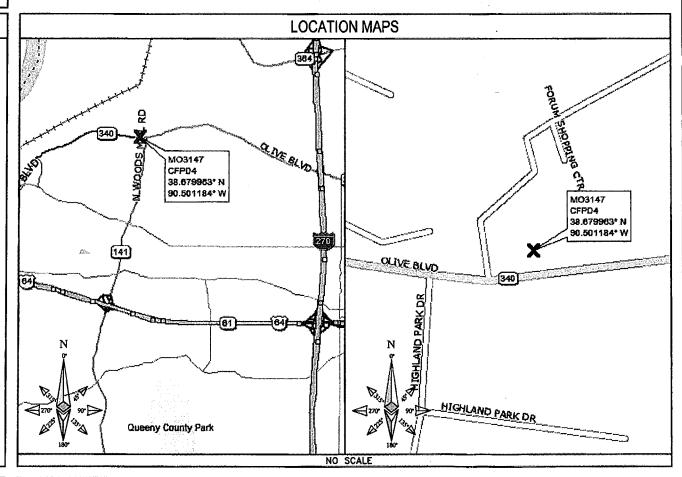
ENGINEER:

15450 S OUTER FORTY DR, SUITE 200 CHESTERFIELD, MO 63017

CONTACT: PHONE:

GEORGE P. XENOS (913) 687-9233

30'-LIGHT POLE



DRIVING DIRECTIONS

DIRECTIONS FROM NEAREST AT&T OFFICE:

FROM SR 100, KEEP RIGHT ONTO I-270 RAMP, TAKE EXIT 14, GO STRAIGHT ONTO SR 340 RAMP, KEEP LEFT ON SR 340 RAMP, KEEP RIGHT ON SR 340 RAMP, TURN LEFT ONTO SR 340, SITE IS ON RIGHT.

APPROVALS

DEC 292011

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS AND AUTHORIZE THE SUBCONTRACTOR 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 OPERATIONS: DATE:

DRAWING INDEX

SHEET NO:	SHEET TITLE
T-1	TITLE SHEET
LS-1	LAND SURVEY
Z-1	ZONING SITE PLAN
Z-1.1	SITE PLAN
Z-2	SITE ELEVATION
Z-3	SITE ELEVATION
Z-3.1	SITE ELEVATION
Z-4	EQUIPMENT LAYOUT
L-1	PROPOSED LANDSCAPING
	,

DO NOT SCALE DRAWINGS

SUBCONTRACTOR 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

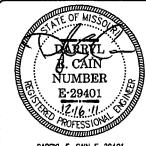
MISSOURI STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE



13075 MANCHESTER RD, SUITE 100 ST LOUIS, MO 63131



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DARRYL E. CAIN E-29401

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

MO3147 CFPD4 13559 OLIVE BLVD CHESTERFIELD, MO 63017 LTE-LIGHT POLE

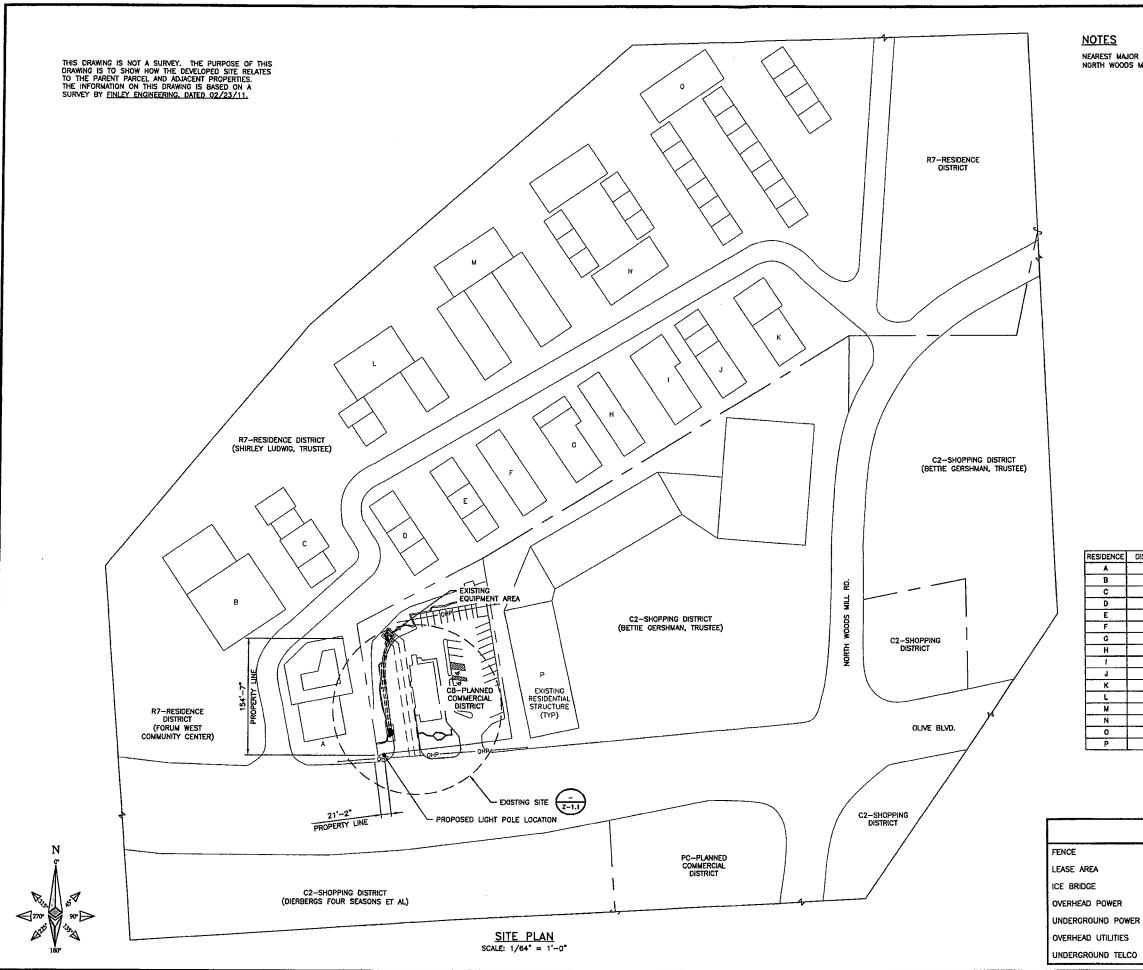
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I HERCBY DECLARE THAT THIS EXHIBIT WAS PREPARED UNDER MY DIRECT PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE THE CONDITIONS ARE AS SHOWN.



NEAREST MAJOR STREET INTERSECTION (OLIVE BLVD & NORTH WOODS MILL ROAD) IS APPROXIMATELY 0.10 MILES.

DISTANCE FROM CL OF STEALTH POLE 50'-0"±

> 243'-0"± 252'-0"±

> 250'-0"±

320'-0"±

381'-0"±

459'-0"±

528'-0"± 606'-0"±

679'-0"±

765'-0"±

422'-0"±

532'-0"±

691'-0"±

843'-0"±

217'-0"±

LEGEND



13075 MANCHESTER RD, SUITE 100 ST LOUIS, MO 63131



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

PROJECT NO:

BLACK & VEATCH PROFESSIONAL ENGINEERING CORPORATION MESSOURI STATE CERTIFICATE OF AUTHORITY # 001646

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DARRYL E. CAIN E-29401 PROFESSIONAL ENGINEER

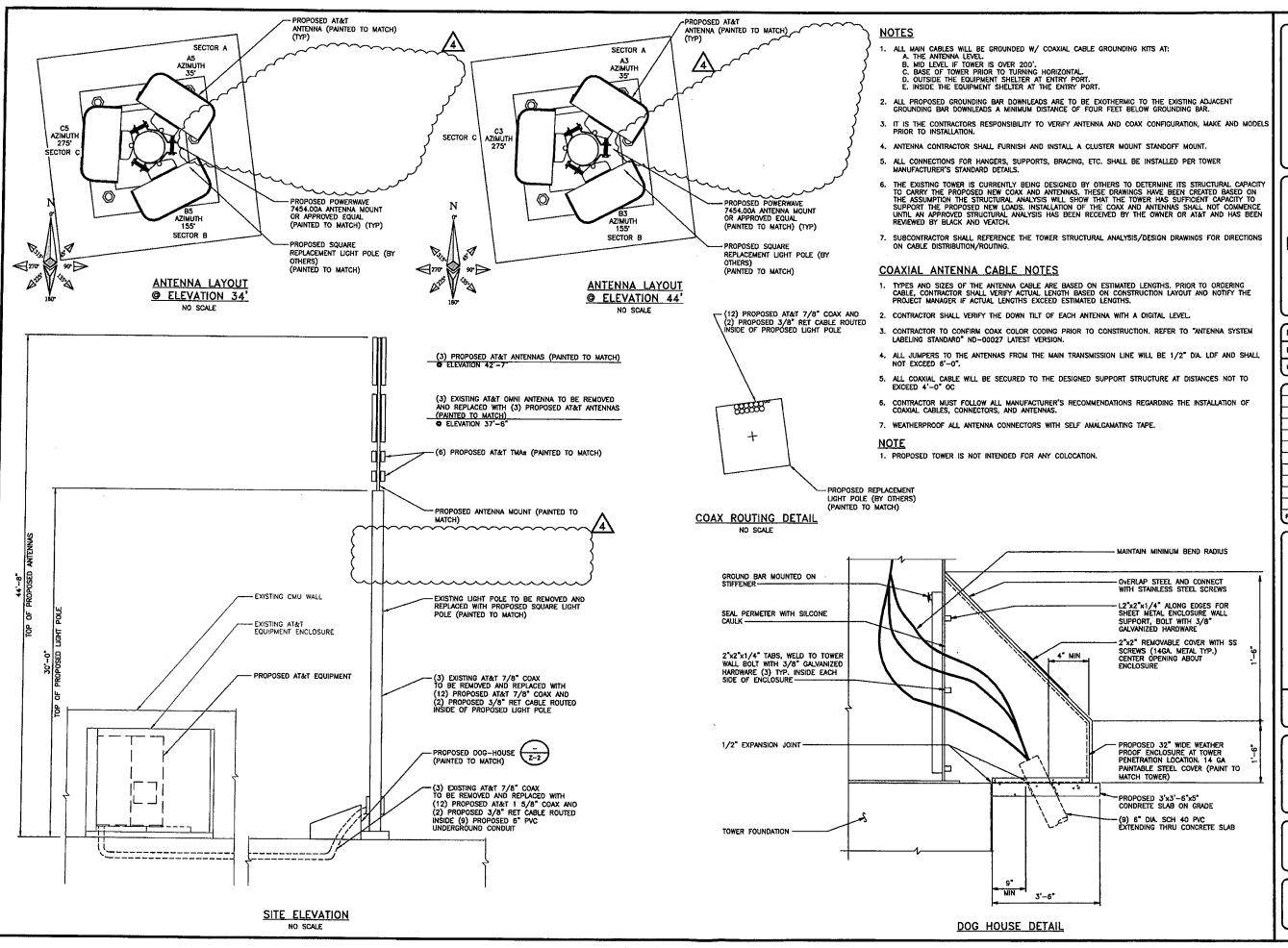
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M03147 CFPD4 13559 OLIVE BLVD CHESTERFIELD, MO 63017 LTE-LIGHT POLE

SHEET TITLE

ZONING SITE PLAN

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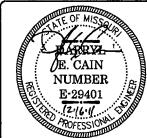
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10950 GRANDVIEW DRIVE OVERLAND PARK, KANSAS 66210 (913) 458-2000

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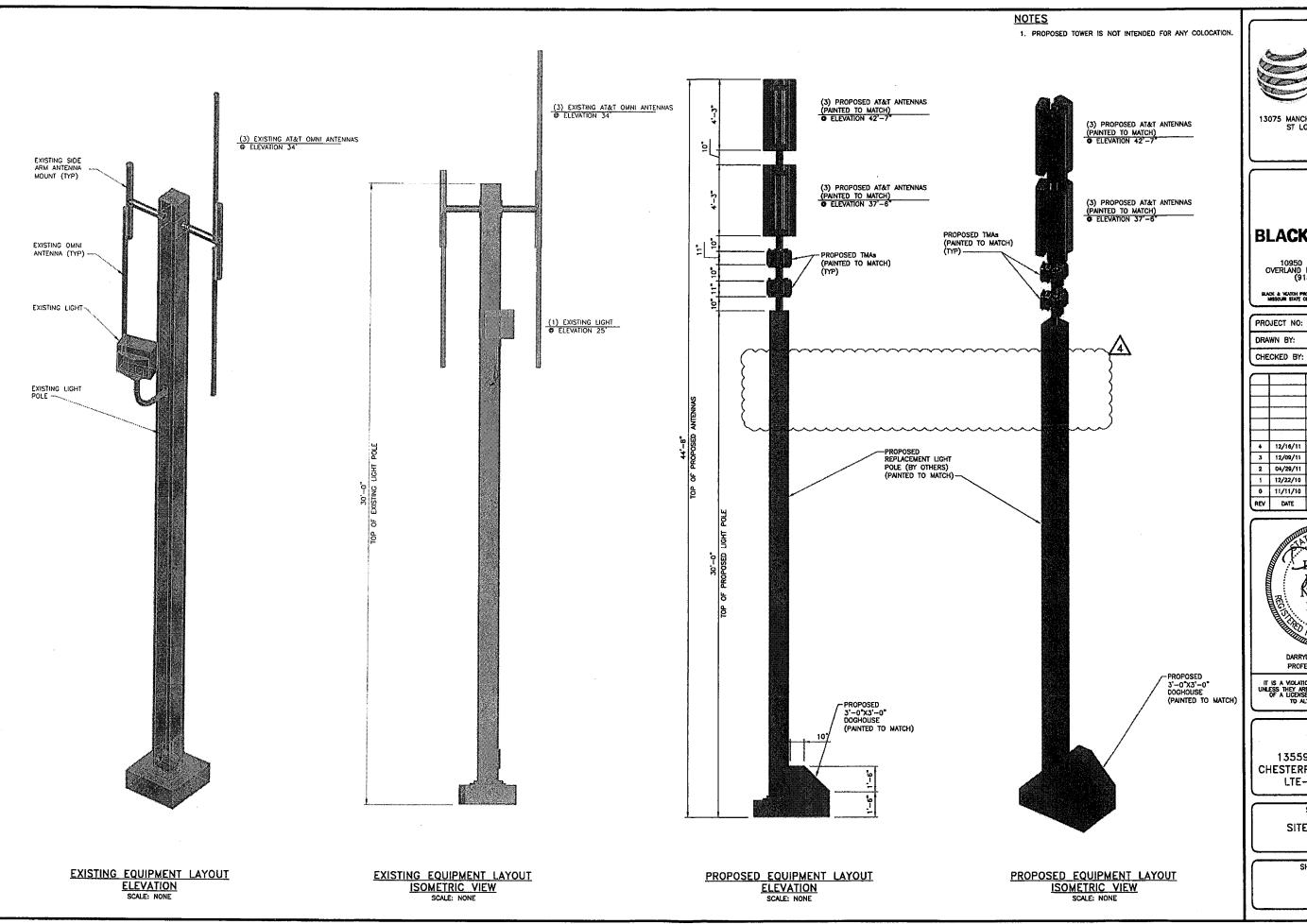
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13075 MANCHESTER RD, SUITE 100 ST LOUIS, MO 63131



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

BLACK & VEATCH PROFESSIONAL ENGINEERING CORPORATION MISSOURI STATE CERTIFICATE OF AUTHORITY # 001646

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DARRYL E. CAIN E-29401 PROFESSIONAL ENGINEER

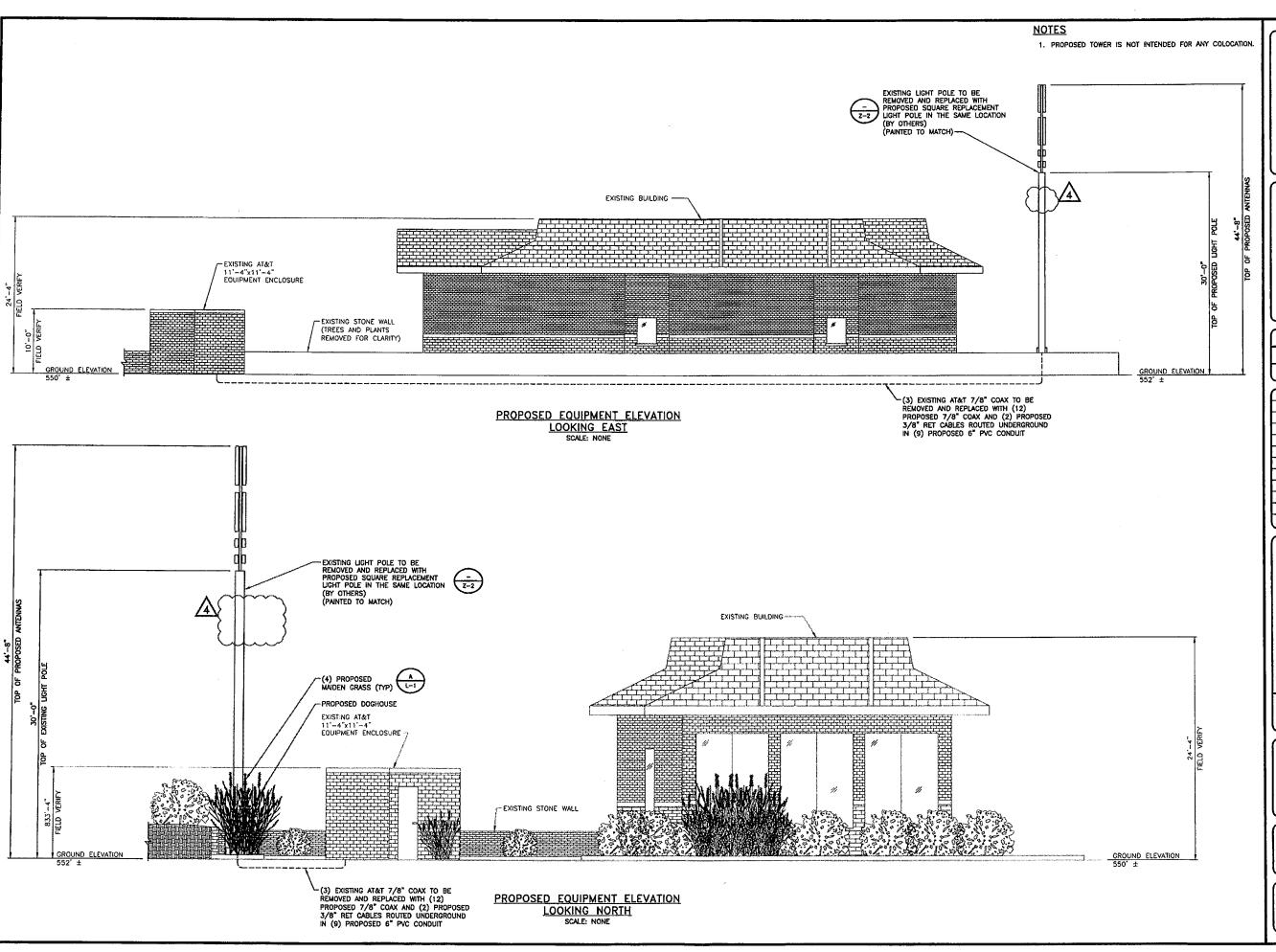
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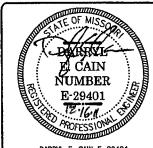


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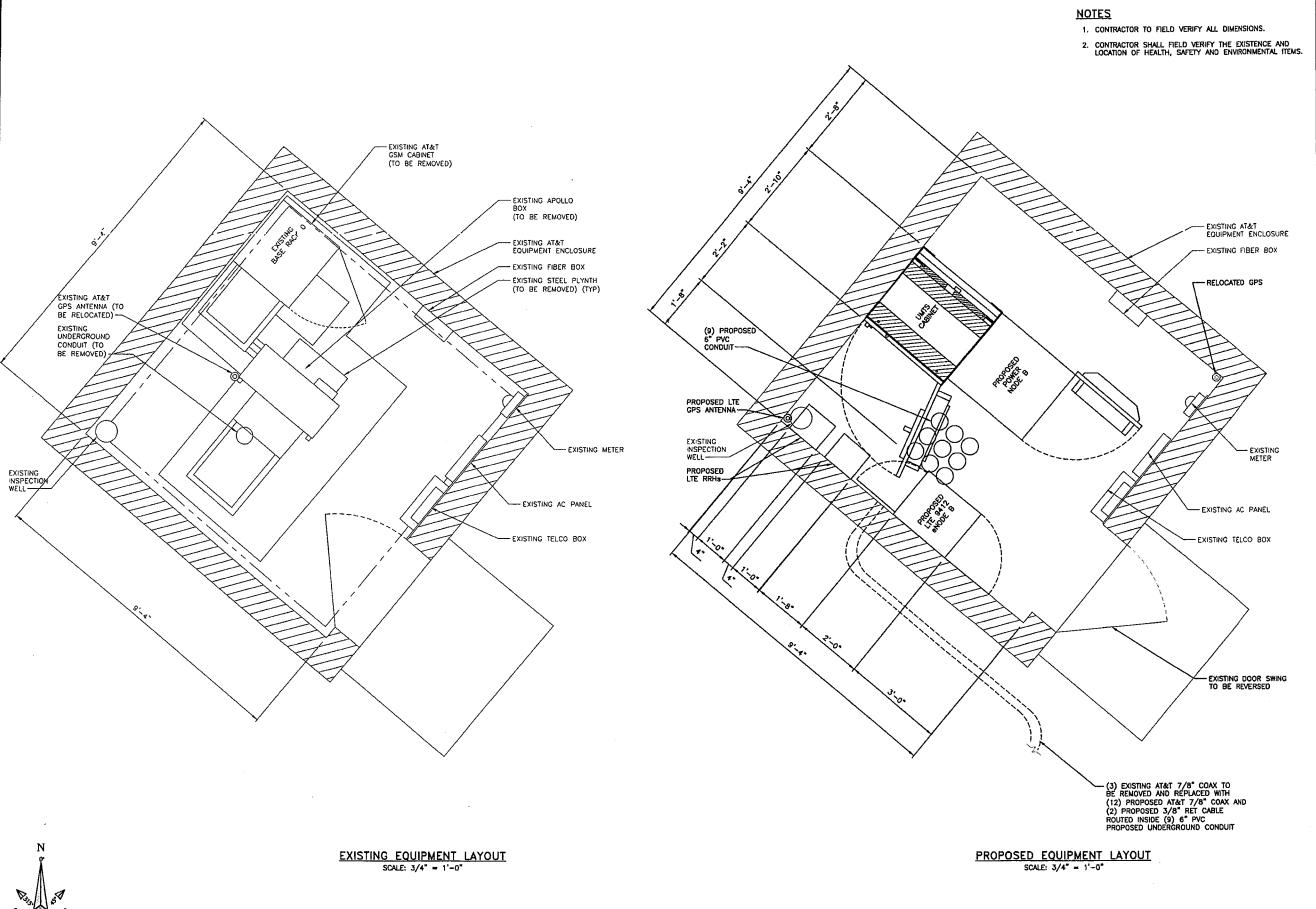
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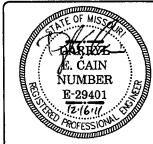
13075 MANCHESTER RD, SUITE 100 ST LOUIS, MO 63131



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

BLACK & VEATCH PROFESSIONAL ENGINEERING CORPORATION

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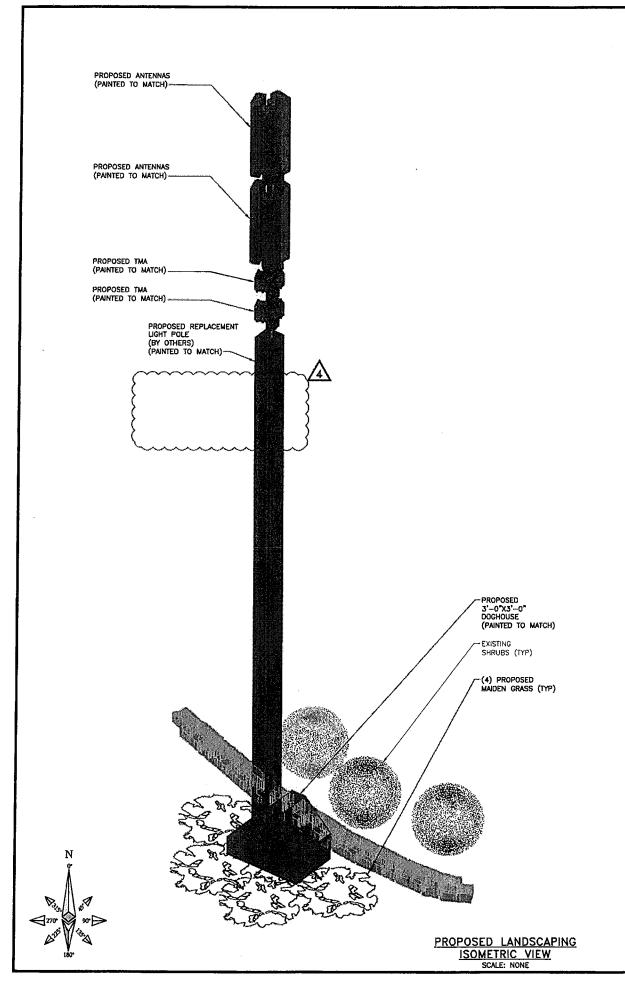
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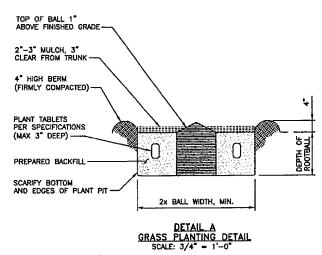
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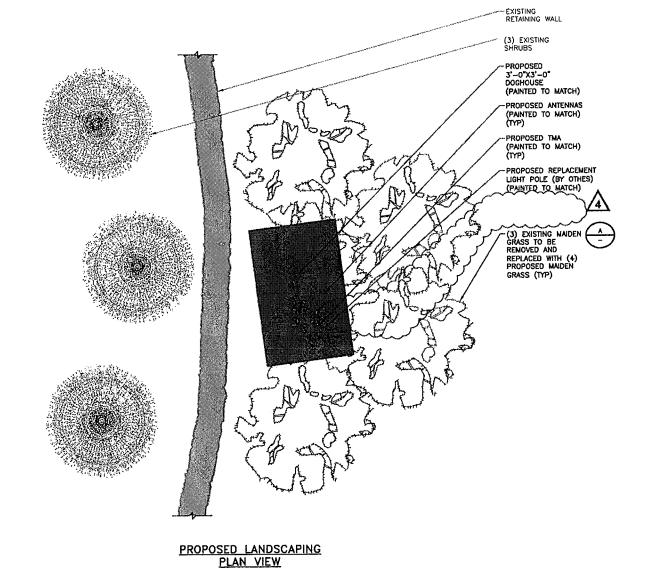
MO3147 CFPD4 13559 OLIVE BLVD CHESTERFIELD, MO 63017 LTE-LIGHT POLE

SHEET TITLE
EQUIPMENT LAYOUT

SHEET NUMBER







SCALE: NONE



1. PROPOSED TOWER IS NOT INTENDED FOR ANY COLOCATION.



13075 MANCHESTER RD, SUITE 100 ST LOUIS, MO 63131

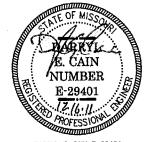


10950 GRANDVIEW DRIVE VERLAND PARK, KANSAS 66210 (913) 458-2000

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

PROJECT NO:	168986
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MO3147 CFPD4 13559 OLIVE BLVD CHESTERFIELD, MO 63017 LTE-LIGHT POLE

SHEET TITLE

PROPOSED LANDSCAPING

SHEET NUMBER

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