



KEATON  
MONOPOLE  
3605 HWY K  
O'FALLON, MO 63368

CITY OF O'FALLON  
ENGINEERING DEPARTMENT  
ACCEPTED FOR CONSTRUCTION  
BY: Ryan Rockwell DATE: 09/24/24  
PROFESSIONAL ENGINEER'S SEAL  
INDICATES RESPONSIBILITY FOR DESIGN



1901 CHOUTEAU AVE,  
ST. LOUIS, MO 63103



BLACK & VEATCH

16305 SWINGLEY RIDGE RD, SUITE 230  
CHESTERFIELD, MO 63017  
(636) 536-5800

PROJECT NO: 409336.0036.2030  
DRAWN BY: VDP  
CHECKED BY: AL

7	09/16/24	PER JURISDICTION COMMENTS
6	07/01/24	PER CONTRACTOR COMMENTS
5	04/22/24	PER JURISDICTION COMMENTS
4	02/15/24	PER CLIENT COMMENTS
3	01/09/24	PER JURISDICTION COMMENTS
2	10/16/23	PER JURISDICTION COMMENTS
1	06/15/23	PER JURISDICTION COMMENTS
0	05/19/23	ISSUED FOR 100% CDs
REV	DATE	DESCRIPTION



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.

AMEREN PLTE PROJECT  
KEATON  
3605 HWY K  
O'FALLON, MO 63368  
MONOPOLE

SHEET TITLE

TITLE SHEET &  
PROJECT DATA

SHEET NUMBER

T-1

PLANNING DEPARTMENT FILE NO. 3-008219  
DATE APPROVED: 11/02/2023

SITE INFORMATION	APPLICABLE CODES	PROJECT DESCRIPTION	ZONING INFORMATION	DRAWING INDEX																																																																								
<p><b>SITE NAME:</b> KEATON</p> <p><b>SITE ADDRESS:</b> 3605 HWY K O'FALLON, MO 63368</p> <p><b>COUNTY:</b> ST. CHARLES</p> <p><b>LATITUDE (NAD83):</b> 38° 44' 14.0" N 38.737222</p> <p><b>LONGITUDE (NAD83):</b> 90° 41' 41.9" W -90.694972</p> <p><b>AMSL:</b> 506'</p> <p><b>PROPERTY OWNER:</b> UNION ELECTRIC COMPANY 1901 CHOUTEAU AVENUE ST. LOUIS, MO 63103</p> <p><b>STRUCTURE TYPE:</b> MONOPOLE</p> <p><b>TOWER OWNER:</b> AMEREN (877) 426-3736</p> <p><b>POWER COMPANY:</b> AMEREN (877) 426-3736</p> <p><b>UTILITIES:</b> DUCKET CREEK SANITARY DISTRICT (636) 441-1244</p> <p><b>PUBLIC WATER SUPPLY DISTRICT 2</b> (636) 561-3737</p> <p><b>PROJECT MANAGER:</b> KRISTEN CLARK (314) 518-4906 KCLARK2@AMEREN.COM</p> <p><b>CONTACT ENGINEER:</b> ASHLEE LEE (858) 225-8260 LEEAM@BV.COM</p> <p><b>PERMITTING CONTACT:</b> COLLECTIVE SOLUTIONS (314) 989-9810</p>	<p>ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:</p> <p>2015 INTERNATIONAL BUILDING CODE 2015 INTERNATIONAL RESIDENTIAL CODE 2015 INTERNATIONAL ENERGY CONSERVATION CODE 2015 INTERNATIONAL PLUMBING CODE 2015 INTERNATIONAL MECHANICAL CODE 2015 INTERNATIONAL FUEL GAS CODE 2015 INTERNATIONAL FIRE CODE 2014 NFPA NATIONAL ELECTRIC CODE 2009 ICC A117.1 TIA/EIA-222-H OR ADOPTED CODE RISK CATEGORY IV</p> <p>IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL</p> <p><b>GENERAL NOTES</b></p> <p>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.</p>	<p><b>GROUND SCOPE OF WORK:</b></p> <ul style="list-style-type: none"><li>• INSTALL (1) PROPOSED MONOPOLE TOWER</li><li>• INSTALL (1) PROPOSED VINYL FENCE</li><li>• INSTALL (1) PROPOSED ICE BRIDGE</li><li>• INSTALL (1) PROPOSED ASPHALT ACCESS ROAD</li><li>• INSTALL (1) PROPOSED DOUBLE SWING GATE</li><li>• INSTALL (1) PROPOSED CHARLES EQUIPMENT MOUNT</li><li>• INSTALL (1) PROPOSED OUTDOOR NETWORK CABINET</li><li>• INSTALL (1) PROPOSED NOKIA ROUTER IN PROPOSED OUTDOOR NETWORK CABINET</li><li>• INSTALL (1) PROPOSED 3'-0" H-FRAME</li><li>• INSTALL (1) PROPOSED GPS UNIT</li><li>• INSTALL (1) PROPOSED 200A, 120/240VAC SERVICE</li></ul> <p><b>TOWER SCOPE OF WORK:</b></p> <ul style="list-style-type: none"><li>• INSTALL (1) PROPOSED ANTENNA PLATFORM MOUNT</li><li>• INSTALL (6) PROPOSED LTE ANTENNAS</li><li>• INSTALL (3) PROPOSED 900 MHZ LTE RRHS</li><li>• INSTALL (1) PROPOSED SURGE SUPPRESSION UNIT (OVP)</li><li>• INSTALL (1) PROPOSED HYBRID CABLE</li></ul>	<p>JURISDICTION: O'FALLON</p> <p>ZONING CLASS: C - 2</p> <p>APN: 2-0070-S016-00-0007.000000</p> <p><b>FLOOD ZONE INFORMATION</b></p> <p>F.I.R.M. PANEL NUMBER: 29183C0430G</p> <p>FLOOD ZONE OF PROJECT AREA: X (MINIMAL FLOOD HAZARD)</p> <p>EFFECTIVE DATE: 1/20/2016</p> <p><b>DO NOT SCALE DRAWINGS</b></p> <p>CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS &amp; CONDITIONS ON THE JOB SITE &amp; SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.</p>	<table><thead><tr><th>SHEET NO:</th><th>SHEET TITLE</th><th>REV NO:</th></tr></thead><tbody><tr><td>T-1</td><td>TITLE SHEET &amp; PROJECT DATA</td><td>6</td></tr><tr><td>Z-1</td><td>ZONING INFORMATION</td><td>6</td></tr><tr><td>LS-1</td><td>LAND SURVEY</td><td>6</td></tr><tr><td>A-1</td><td>SITE DEVELOPMENT PLAN &amp; DETAILS</td><td>6</td></tr><tr><td>C-1</td><td>OVERALL SITE PLAN</td><td>7</td></tr><tr><td>C-1.1</td><td>SITE PLAN AND ENLARGED SITE PLAN</td><td>6</td></tr><tr><td>C-2</td><td>ELEVATION, ANTENNA LAYOUT AND SCHEDULE</td><td>6</td></tr><tr><td>C-3</td><td>EQUIPMENT PLATFORM AND H-FRAME DETAILS</td><td>6</td></tr><tr><td>C-4</td><td>EQUIPMENT DETAILS</td><td>6</td></tr><tr><td>C-5</td><td>EQUIPMENT DETAILS</td><td>6</td></tr><tr><td>C-6</td><td>ASPHALT PAVING DETAILS</td><td>6</td></tr><tr><td>C-7</td><td>FENCE DETAILS</td><td>6</td></tr><tr><td>E-1</td><td>ELECTRICAL AC ONE-LINE &amp; SCHEDULE</td><td>6</td></tr><tr><td>G-1</td><td>GROUNDING PLANS AND NOTES</td><td>6</td></tr><tr><td>G-2</td><td>GROUNDING DETAILS</td><td>6</td></tr><tr><td>G-3</td><td>GROUNDING DETAILS</td><td>6</td></tr><tr><td>RF-1</td><td>RF SIGNAGE DETAILS</td><td>6</td></tr><tr><td>RF-2</td><td>RF PLUMBING DIAGRAM</td><td>6</td></tr><tr><td>GN-1</td><td>LEGEND AND ABBREVIATIONS</td><td>6</td></tr><tr><td>GN-2</td><td>GENERAL NOTES</td><td>6</td></tr><tr><td>GN-3</td><td>GENERAL NOTES</td><td>6</td></tr><tr><td>GN-4</td><td>GENERAL NOTES</td><td>6</td></tr><tr><td>BOM</td><td>BILL OF MATERIAL</td><td>6</td></tr></tbody></table> <p>11"x17" PLOT WILL BE HALF SCALE UNLESS NOTED</p> <p>ENGINEER OF RECORD</p> <p>JOSHUA R. TURNER PE # 2018021265 BLACK &amp; VEATCH CORPORATION</p> <p>CALL BEFORE YOU DIG</p> <p>UNDERGROUND SERVICE ALERT UTILITY NOTIFICATION CENTER OF MISSOURI 811 OR 1-800-344-7483</p> <p>3 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION</p>	SHEET NO:	SHEET TITLE	REV NO:	T-1	TITLE SHEET & PROJECT DATA	6	Z-1	ZONING INFORMATION	6	LS-1	LAND SURVEY	6	A-1	SITE DEVELOPMENT PLAN & DETAILS	6	C-1	OVERALL SITE PLAN	7	C-1.1	SITE PLAN AND ENLARGED SITE PLAN	6	C-2	ELEVATION, ANTENNA LAYOUT AND SCHEDULE	6	C-3	EQUIPMENT PLATFORM AND H-FRAME DETAILS	6	C-4	EQUIPMENT DETAILS	6	C-5	EQUIPMENT DETAILS	6	C-6	ASPHALT PAVING DETAILS	6	C-7	FENCE DETAILS	6	E-1	ELECTRICAL AC ONE-LINE & SCHEDULE	6	G-1	GROUNDING PLANS AND NOTES	6	G-2	GROUNDING DETAILS	6	G-3	GROUNDING DETAILS	6	RF-1	RF SIGNAGE DETAILS	6	RF-2	RF PLUMBING DIAGRAM	6	GN-1	LEGEND AND ABBREVIATIONS	6	GN-2	GENERAL NOTES	6	GN-3	GENERAL NOTES	6	GN-4	GENERAL NOTES	6	BOM	BILL OF MATERIAL	6
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