



KCMCI00312A

**548 SW TOWER PARK DR
LEES SUMMIT, MO, 64081**

ALL WORK SHALL BE PERFORMED AND MATERIALS 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 THESE CODES:

CODE	TYPE	CODE
2018	BUILDING	IBC
2018	MECHANICAL	IMC
2017	ELECTRICAL	NEC

SHEET NO.	SHEET TITLE	DISC.
T-1	TITLE SHEET	C/E
A-1	OVERALL AND ENLARGED SITE PLAN	C
A-2	ELEVATION, ANTENNA LAYOUT AND SCHEDULE	C
A-3	EQUIPMENT PLATFORM, AND H-FRAME DETAILS	C
A-4	EQUIPMENT DETAILS (1 OF 3)	C
A-5	EQUIPMENT DETAILS (2 OF 3)	C
A-6	EQUIPMENT DETAILS (3 OF 3)	C
A-7	ANTENNA MOUNTING DETAILS	C
E-1	ELECTRICAL/FIBER ROUTE PLAN AND NOTES	E
E-2	ELECTRICAL DETAILS	E
E-3	ELECTRICAL ONE-LINE DIAGRAM & PANEL SCHEDULE	E
G-1	GROUNDING PLANS AND NOTES	E
G-2	GROUNDING DETAILS (1 OF 2)	E
G-3	GROUNDING DETAILS (2 OF 2)	E
RF-1	RF CABLE COLOR CODES	C
RF-2	RF PLUMBING DIAGRAM	C
GN-1	LEGEND AND ABBREVIATIONS	C
GN-2	GENERAL NOTES (1 OF 3)	C
GN-3	GENERAL NOTES (2 OF 3)	C/E
GN-4	GENERAL NOTES (3 OF 3)	E



MISSOURI ONE CALL SYSTEM
UTILITY NOTIFICATION CENTER OF MISSOURI
(800) 344-7483
WWW.MO1CALL.COM

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.

11"x17" PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED

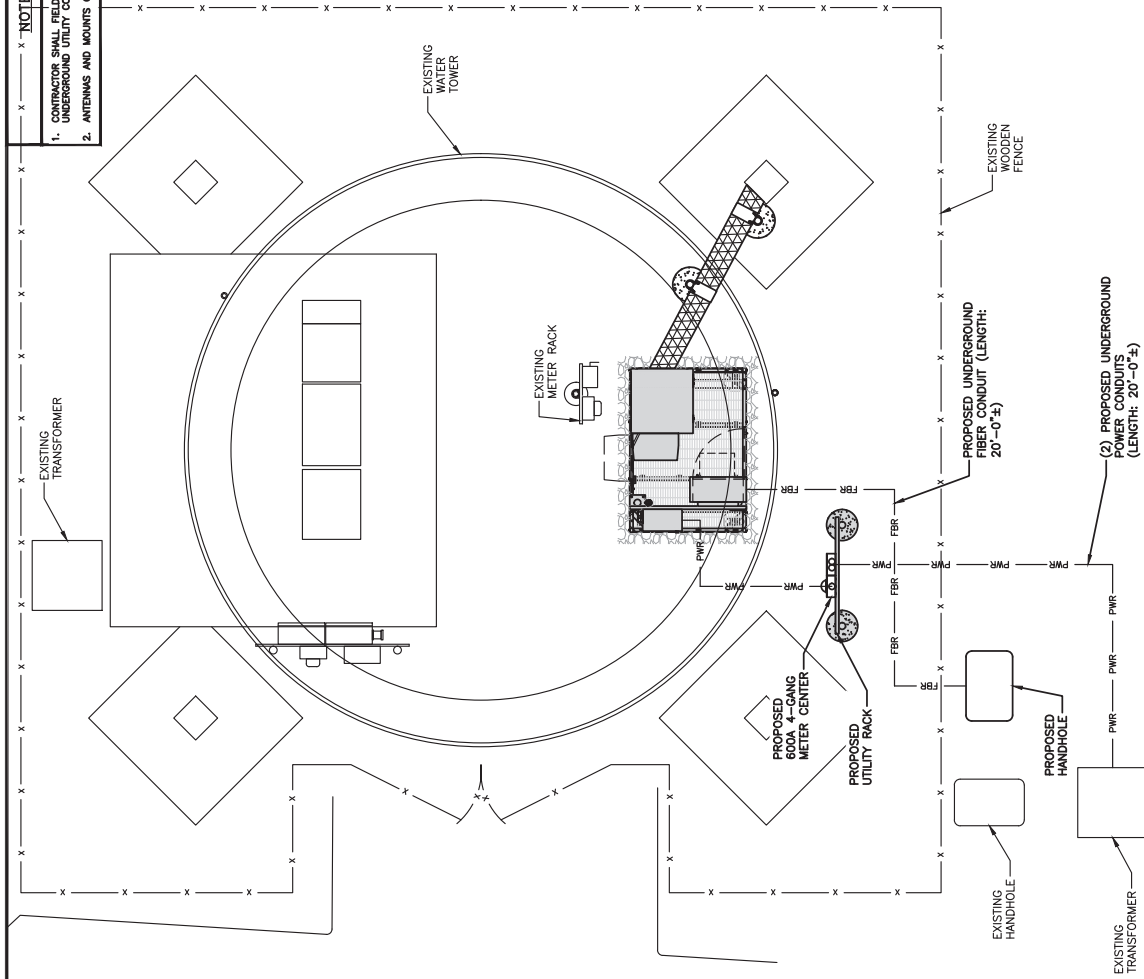
CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND CONDITIONS ON THE JOB SITE, AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

SITE ADDRESS:	548 SW TOWER PARK DR LEES SUMMIT, MD, 64081
TOWER TYPE:	WATER TOWER
TOWER CO SITE ID:	X
TOWER APP NUMBER:	X
COUNTY:	JACKSON
LATITUDE (NAD 83):	39° 54' 33.38"
LONGITUDE (NAD 83):	38.909273 N 94° 26' 54.62" W -94.44872 W
ZONING JURISDICTION:	X
ZONING DISTRICT:	X
PARCEL NUMBER:	62-440-95-02-00-0-00-000
OCCUPANCY GROUP:	U
CONSTRUCTION TYPE:	V-B
POWER COMPANY:	ELECTRIC
TELEPHONE COMPANY:	X

APPLICANT:	DISH WIRELESS, LLC. 5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120 (800) 434-0843
PROPERTY OWNER:	GALE COMMUNITIES, INC. 124 HWY CANNON DR LEES SUMMIT, MO, 64081
TOWER OWNER:	GALE COMMUNITIES, INC. 124 HW CANNON DR LEES SUMMIT, MO, 64081 816-805-5308
SITE DESIGNER:	SELECTIVE SITE CONSULTANTS, INC. 7171 WEST 95TH STREET, SUITE 100 OVERLAND PARK, KANSAS 66212
SITE ACQUISITION:	BRIAN VAN ASTEN
CONSTRUCTION MANAGER:	DERROCK CARTER
RF ENGINEER:	DAVID O'HANLON

NO SCALE

T-1



DC POWER WIRING SHALL BE COLOR CODED AT EACH END FOR IDENTIFYING +24V AND -48V CONDUCTORS. RED MARKINGS SHALL IDENTIFY +24V AND BLUE MARKINGS SHALL IDENTIFY -48V.

1. CONTRACTOR SHALL INSPECT THE EXISTING CONDITIONS PRIOR TO SUBMITTING A BID, ANY QUESTIONS ARISING DURING THE BID PERIOD IN REGARDS TO THE CONTRACTOR'S FUNCTIONS, THE SCOPE OF WORK, OR ANY OTHER ISSUE RELATED TO THIS PROJECT SHALL BE BROUGHT UP DURING THE BID PERIOD WITH THE PROJECT MANAGER FOR CLARIFICATION, NOT AFTER THE CONTRACT HAS BEEN AWARDED.
2. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH CURRENT NATIONAL ELECTRICAL CODES AND ALL LOCAL ORDINANCES. PROVIDE ALL COMPONENTS AND WIRING SIZES AS REQUIRED TO MEET NEC STANDARD.
3. LOCATION OF EQUIPMENT, CONDUITS AND DEVICES SHOWN ON THE DRAWINGS ARE APPROXIMATE AND SHALL BE COORDINATED WITH FIELD CONDITIONS PRIOR TO CONSTRUCTION.
4. CONDUIT ROUGH-IN SHALL BE COORDINATED WITH THE MECHANICAL EQUIPMENT TO AVOID LOCATION CONFLICTS. VERIFY WITH THE MECHANICAL EQUIPMENT CONTRACTOR AND COMPLY AS REQUIRED.
5. CONTRACTOR SHALL PROVIDE ALL BREAKERS, CONDUITS AND CIRCUITS FOR A COMPLETE SYSTEM.
6. CONTRACTOR SHALL PROVIDE PULL BOXES AND JUNCTION BOXES AS REQUIRED BY THE NEC ARTICLE 314.
7. CONTRACTOR SHALL PROVIDE ALL STRAIN RELIEF AND CABLE SUPPORTS FOR ALL CABLE ASSEMBLIES. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
8. ALL DISCONNECTS AND CONTROLLING DEVICES SHALL BE PROVIDED WITH ENGRAVED PHENOLIC NAMEPLATES INDICATING EQUIPMENT CONTROLLED, BRANCH CIRCUITS INSTALLED ON, AND PANEL FIELD LOCATIONS SET FROM.
9. INSTALL AN EQUIPMENT GROUNDING CONDUCTOR IN ALL CONDUITS PER THE SPECIFICATIONS AND NEC 250. THE EQUIPMENT GROUNDING CONDUCTORS SHALL BE BONDED AT ALL JUNCTION BOXES, PULL BOXES, AND ALL DISCONNECT SWITCHES, AND EQUIPMENT COARNERS.
10. ALL NEW MATERIAL SHALL HAVE A U.L. LABEL.
11. PANEL SCHEDULE LOADING AND CIRCUIT ARRANGEMENTS REFLECT POST-CONSTRUCTION EQUIPMENT.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR AS-BUILT PANEL SCHEDULE AND SITE DRAWINGS.

SCOPE OF WORK:

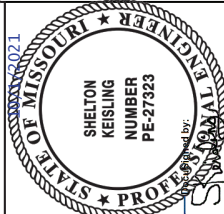
1. DISH CONTRACTOR TO PROVIDE AND INSTALL 600A 4-GANG METER CENTER, LABEL METER CENTER AND METER SOCKET WITH 1" TALL STICKY LABELS, NO SHAPES OR ANY LABELS.
2. DISH CONTRACTOR TO TREACH AN INSTALLY 3 RUNS OF CONDUIT AND CONDUCTOR FROM TRANSFORMER TO METER CENTER. UTILIZE 3" CONDUIT, LONG SWEEPS, 3" DEEP TREACH, JOE 818-392-6104 IS THE LINEMAN INSPECTOR AND NEED TO BE CALLED TO INSPECT TREACH. DISH CONTRACTOR TO OPEN IT UP AND ENSURE THAT SHEEPS ARE INSTALLED PROPERLY, COORDINATE DATE AND TIME 48HRS IN AOVANCE.
3. EVERYONE TO MAKE CONNECTION AT TRANSFORMER, DISH CONTRACTOR TO CONNECT AT METER CENTER, DISH CONTRACTOR TO CONNECT EQUIPMENT AREA.
4. DISH CONTRACTOR TO TREACH AN INSTALLY CONDUIT AND CONDUCTOR FROM METER CENTER TO EQUIPMENT. UTILIZE 2" CONDUIT, LONG SWEEPS, 3" DEEP TREACH.
5. DISH CONTRACTOR TO LABEL METER SOCKET "DISH".
6. DISH CONTRACTOR TO ORDER INSPECTION WITH THE CITY.
7. ENERGY, UPON RECEIVING A PASSING INSPECTION, WILL SET METER AND ENERGIZE SITE.



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



7171 WEST 95TH STREET, SUITE 600
OVERLAND PARK, KANSAS 66212



EF-94D8A3B05407 ...

DRAWN BY:	CHECKED BY:	APPROVED BY:
JDE	HRL	

RFDS REV #: 0

CONSTRUCTION DOCUMENTS

SUBMITTALS			
REV	DATE	DESCRIPTION	
A	08/23/21	ISSUED FOR REVIEW	
0	10/01/21	ISSUED FOR CONSTRUCTION	

A&E PROJECT NUMBER	
1	2

KCMCI00312A

DISK WIRELESS PROJECT INFORMATION

KCMCI0051ZA
E48 SW TOWER PARK DR340 SW TOWER PARK DR
LEES SUMMIT MO. 64081

•

CH. 1. EQUATIONS 103

FIBROTIC / FIBER POLYMER SHEET 1111

ELECTRICAL/FIBER ROUTE
PLAN AND NOTES

CLIFFE NUMBERS

1155

5

1000

UTILITY ROUTE PLAN

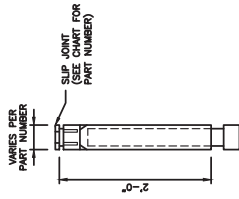
ELECTRICAL NOTES

NO SCALE

2

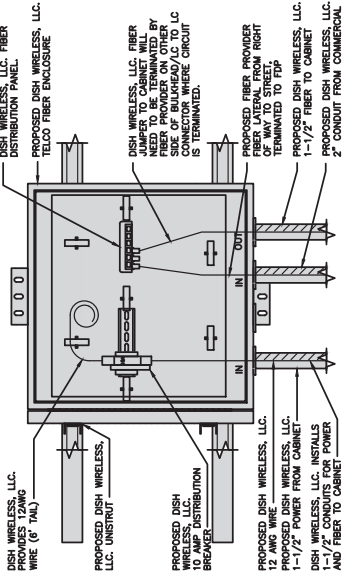
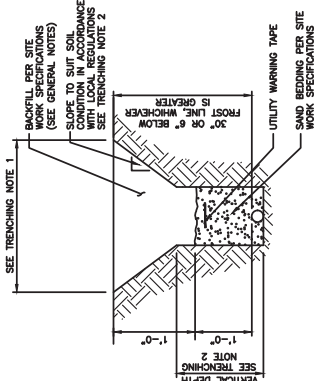
COUPLING END PART#	MALE TERMINAL ADAPTER AND PART#	SIZE	STD. QUANTITY	TRAVEL LENGTH
E3460	E3460X	1/2"	20	4"
E345E	E345EX	3/4"	15	4"
E345F	E345FX	1"	10	4"
E345G	E345GX	1 1/4"	5	4"
E345H	E345HX	1 1/2"	5	4"
E345J	E345JX	2"	15	8"
E345K	E345KX	2 1/2"	10	8"
E345L	E345LX	3"	10	8"
E345M	E345MX	3 1/2"	5	8"
E345N	E345NX	4"	5	8"
E346P	E346PX	5"	1	8"
E346R	E346RX	6"	1	8"

NOTE:
CONTRACTOR TO INSTALL EXPANSION FITTING
SLIP JOINT AT METER CENTER CONDUIT
TERMINATION, AS PER LOCAL UTILITY POLICY,
ORDINANCE AND/OR SPECIFIED REQUIREMENT.



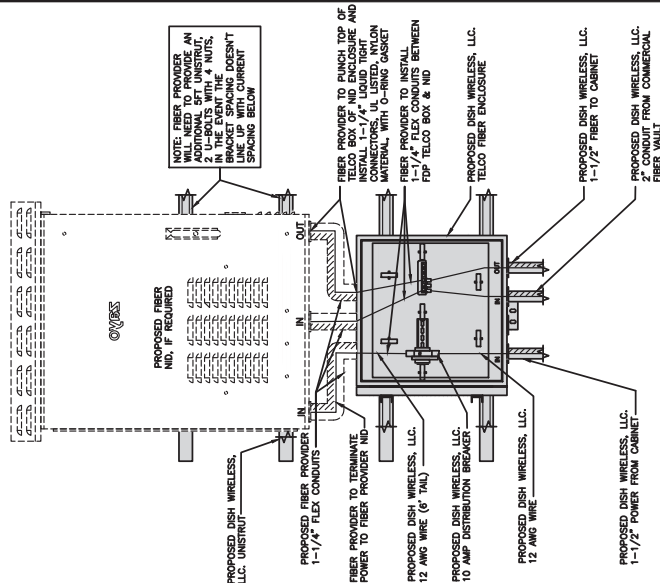
TRENCHING NOTES

1. CONTRACTOR SHALL RESTORE THE TRENCH TO ITS ORIGINAL CONDITIONS BY OTHER SEEDING MATERIALS, MULCH, OR REPLACING SPRAWS OR COMBES TO ORIGINAL CROSS SECTION.
2. TRENCHING SAFETY: INCLUDING, BUT NOT LIMITED TO SOIL CLASSIFICATION, SLOPING, AND SHORING, SHALL BE GOVERNED BY THE CURRENT OSHA TRENCHING AND EXCAVATION SAFETY STANDARDS.
3. ALL CONDUITS SHALL BE INSTALLED IN COMPLIANCE WITH THE CURRENT NATIONAL ELECTRIC CODE (NEC) OR AS REQUIRED BY THE LOCAL JURISDICTION, WHICHEVER IS THE MOST STRINGENT.



EXPANSION JOINT DETAIL

DARK TELCO BOX - INTERIOR WIRING LAYOUT	NO SCALE	3
---	----------	---



NOTE: FIBER PROVIDER WILL NEED TO PROVIDE AN ADDITIONAL 5FT UNISTRUT, 2 2 U-BOLTS WITH 4 NUTS, IN THE EVENT THE BRACKET SPACING DOESN'T LINE UP WITH CURRENT SPACING BELOW

R PROVIDER TO PUNCH TOP OF
CO BOX OF NID ENCLOSURE AND
ALL 1-1/4" LIQUID TIGHT
NECTORS, UL LISTED, NYLON
ERIAL, WITH O-RING GASKET
R PROVIDER TO INSTALL
/4" FLEX CONDUITS BETWEEN
TELCO BOX & NID

COMPOSED DISH WIRELESS, LLC.
CO FIBER ENCLOSURE

POSED DISH WIRELESS, LLC.
1/2" FIBER TO CABINET

PROPOSED DISH WIRELESS, LLC.
CONDUIT FROM COMMERCIAL
ENTER VAILT

LIT TELCO BOX - INTERIOR WIRING LAYOUT (OPTIONAL)

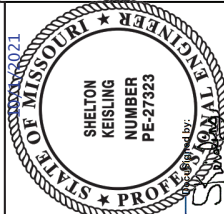
NOT USED	NO SCALE	8
----------	----------	---



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



7171 WEST 95TH STREET, SUITE 600
OVERLAND PARK, KANSAS 66212



EF94D8A5B80B407
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.

DRAWN BY:	CHECKED BY:	APPROVED BY:
JDE	HRL	---
RFDS REV #:		0

CONSTRUCTION
DOCUMENTS

SUBMITTALS			
REV	DATE	DESCRIPTION	
A	08/23/21	ISSUED FOR REVIEW	
0	10/01/21	ISSUED FOR CONSTRUCTION	

A&E PROJECT NUMBER
KCMC100312A

DISH WIRELESS PROJECT INFORMATION
KCMCI00312A
548 SW TOWER PARK DR
LEES SUMMIT, MO. 64081

SHEET TITLE
ELECTRICAL
DETAILS

E-2

