CONSTRUCTION PLANS ST CHARLES ROAD SIDEWALK

TAP 2101511

EXISTING SURVEY LEGEND — ss — SANITARY SEWER — — 949 — — INTERMEDIATE CONTOUR — — 950 — — INDEX CONTOUR ------ SANITARY SEWER FORCE MAIN — — — PROPERTY LINE ---- RIGHT OF WAY UNDERGROUND ELECTRIC ----- SECTION LINE OVERHEAD ELECTRIC — · — · — · — EASEMENT — OHC — OVERHEAD COMMUNICATIONS — T — UNDERGROUND TELEPHONE ----- CHAIN LINK FENCE OVERHEAD TELEPHONE ----- WOODEN FENCE ------ UNDERGROUND FIBER OPTIC — OHFO — OVERHEAD FIBER OPTIC ------ AGRICULTURE LINE EDGE OF TREES — ™ — UNDERGROUND TV/CABLE OVERHEAD TV/CABLE ---- TOP/BOTTOM OF SLO — – — ROAD CENTERLINE ----- WATERWAY FLOWLIN UTILITY QUALITY LEVELS: UTILITY QUALITY LEVELS ARE BASED ON THE CI/ASCE 38-02 STANDARD. UTILITY QUALITY LEVEL A: PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES UTILITY QUALITY LEVEL B: INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFA INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL UTILITY QUALITY LEVEL D: INFORMATION DERIVED FROM EXISTING RECORDS OR ORAL RECOLLECTIONS. ADDITIONALLY IN THE CASE OF MULTIPLE OWNERS OF THE SAME UTILITY TYPE SAID UTILITIES WILL ABBREVIATED WITH AN OWNER NUMBER (1, 2, 3, ETC) AND REFERENCED IN THE IOWA ONE CALL UTILITY INFORMATION SECTION. UNDERGROUND COMMUNICATIONS-OWNER 1 UNDERGROUND COMMUNICATIONS-OWNER 2 TYPICAL HATCHING SIDEWALK ASPHALT BUILDING OUTLINE

∇ ∇ ∇ ∇ ∇ ROCK LANDSCAPING CONSTRUCTION EASEMENT **ABBREVIATIONS** CAST IRON PIPE CONTROL POINT BENCHMARK DUCTILE IRON PIPE CORRUGATED METAL PIPE HIGH-DENSITY POLYETHYLENE PIPE CENTERLINE VITRIFIED CLAY PIPE POLYVINYL CHLORIDE PIPE PCC CONCRETE RCP REINFORCED CONCRETE PIPE **FLOWLINE** UNKNOWN ELEVATION AT RIM DRILL HOLE REBAR W/ PLASTIC CAP TYPICAL IRON PIPE W/ PLASTIC CAP MONUMENT FINISHED FLOOR TEMPORARY CONSTRUCTION ESMT ONE CALL UTILITY INFORMATION DESIGN INFORMATION REQUEST TICKET #: 232371747, 232371748, 232371782, 232371802, **CALL OR CLICK 3 DAYS BEFORE YOU DIG!**

	A/C	AIR CONDITIONING UNIT		BEEHIVE INLET
	ВВ	BREAKER BOX		DOUBLE CURB INLET
	E	ELECTRIC MANHOLE		SINGLE CURB INLET
	EM	ELECTRIC METER		AREA DRAINAGE INLET
	Ε	ELECTRIC PEDESTAL		FLARED END SECTION
	HP	HEAT PUMP	ST	STORM MANHOLE
	GAS	<u>1</u>	(SP)	STAND PIPE
		GAS MARKER	©	STORM SEWER CLEANOUT
.OPE	GM	GAS METER	0	SIDE OPENING AREA INLET
	Ğ∨	GAS VALVE	TELI	ECOMMUNICATIONS
INE	GEN	IERAL SITE FEATURES	TH	COMPOSITE HANDHOLE
	$\langle B \rangle$	BOLLARD		FIBER OPTIC MARKER
RE	^{FP} ~	FLAGPOLE	SD	SATELLITE DISH
	\\\\	FLOOD LIGHT	\bigcirc	TELEPHONE MANHOLE
FACE	\longrightarrow	GUY WIRE	\triangle	TELEPHONE PEDESTAL
	MB	MAILBOX	СВ	TV/CABLE BOX
ES EL D	9	SIGN- DOUBLE POST	1	TV/CABLE MANHOLE
	4	SIGN- SINGLE POST	TRA	FFIC
ı DE	\bigcirc	SOILBORE	0	PEDESTRIAL SIGNAL
L BE	\Box	STREET LIGHT	\boxtimes	SIGNAL CONTROL CABINET
	\otimes	UTILITY POLE		TRAFFIC BOX
	\bowtie	UTILITY POLE W/STREET LIGHT		TRAFFIC HANDHOLE
	?	UNKNOWN MANHOLE	\oslash	TRAFFIC MANHOLE
	MON	NUMENTS	0	TRAFFIC SIGNAL
	•	BENCHMARK	Ø	TRAFFIC SIGNAL W/STREET LIGH
		BENCHMARK (TEMPORARY)	VEG	ETATION
	\Rightarrow	CONTROL POINT	*	CONIFEROUS TREE
		CUT X FOUND	\bigcirc	DECIDUOUS TREE
	X	CUT X SET		SHRUB
	•	MONUMENT FOUND (FIRST TYPE)	\bigcirc	TREE STUMP
		MONUMENT FOUND (SECOND TYPE)	WAT	ER
	<u> </u>	MONUMENT SET (FIRST TYPE)	#So	CURB STOP
		MONUMENT SET (SECOND TYPE)	*	FIRE HYDRANT
		SECTION CORNER FOUND	ĬV IV	IRRIGATION VALVE
		SECTION CORNER SET	₩ ○	MONITORING WELL
		T POST	常	POST INDICATOR VALVE
	•	WOODEN POST	SB	SPRINKLER BOX
	RAIL	ROAD	(W)	WATER MANHOLE
		MAINLINE MILE MARKER		WATER MARKER

POINT OF SWITCH

© SANITARY SEWER CLEANOUT

S SANITARY SEWER MANHOLE

R RAILROAD SIGNAL

SANITARY SEWER

SEPTIC TANK LID

UTILITY WARNING

WM WATER METER

WATER VALVE

REMOVE TREE

THE UTILITIES DEPICTED ON THIS DOCUMENT HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND/OR RECORDS OBTAINED. THE SURVEYOR MAKES NO GUARANTEE THAT

THE UTILITIES OR SUBSURFACE FEATURES SHOWN COMPRISE ALL SUCH ITEMS IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT

THAT THE UTILITIES OR SUBSURFACE FEATURES SHOWN ARE IN THE EXACT LOCATION

INDICATED EXCEPT WHERE NOTED AS QUALITY LEVEL A.

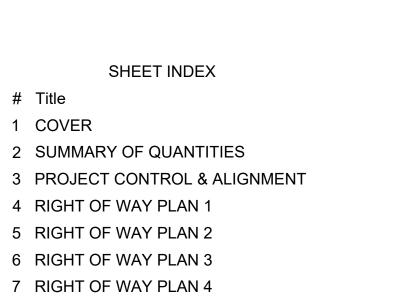
WATER SPIGOT

WATER VALVE MANHOLE

STORM SEWER

BEEHIVE INLET

AIR CONDITIONING UNIT



UTILITY CONTACTS							
ELECTRIC	NATURAL GAS						
CITY OF COLUMBIA, WATER & LIGHT 701 E. BROADWAY COLUMBIA, MISSOURI 65201 573-874-2489	AMEREN MISSOURI 2001 MAGUIRE BLVD. COLUMBIA, MISSOURI 65201 573-876-3028						
ELECTRIC	SEWER						
BOONE ELECTRIC COOPERATIVE 1413 RANGELINE STREET COLUMBIA, MO 65201 573-449-4181	CITY OF COLUMBIA, SEWER UTILITY 701 E. BROADWAY COLUMBIA, MISSOURI 65201 573-874-2489						
WATER	SEWER						
CITY OF COLUMBIA, WATER & LIGHT 701 E. BROADWAY COLUMBIA, MISSOURI 65201 573-874-2489	BOONE COUNTY REGIONAL SEWER DISTRIC 1314 N. 7TH STREET COLUMBIA, MO 65201 573-443-2774						
WATER	TELECOMMUNICATION						
PUBLIC WATER SUPPLY DISTRICT #9 391 E. BROADWAY COLUMBIA, MISSOURI 65201 573-474-9521	SOCKET TELECOM 2703 CLARK LANE COLUMBIA, MISSOURI 65202 573-817-0000						
TELECOMMUNICATION	TELECOMMUNICATION						
AT&T TRANSMISSION 800-252-1113	BRIGHTSPEED 833-363-2360						





- 1. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH "CITY OF COLUMBIA STREET, STORM DRAIN AND SANITARY SEWER SPECIFICATIONS AND STANDARDS" (CURRENT EDITION).
- 2. KNOWN UNDERGROUND UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS. OTHER UTILITIES MAY EXIST.
- ALL EXCAVATION TO BE IN ACCORDANCE WITH SECTIONS 319.010-319.050, REVISED STATUTES OF THE STATE OF MISSOURI. SUCH COMPLIANCE SHALL NOT, HOWEVER, EXCUSE ANY PERSON MAKING ANY EXCAVATION FROM DOING SO IN A CAREFUL AND PRUDENT MANNER, NOR SHALL IT EXCUSE SUCH PERSON FROM LIABILITY FOR ANY DAMAGE OR INJURY TO UNDERGROUND UTILITIES RESULTING FROM THE EXCAVATION.
- 4. ALL DISTURBED EARTH AREAS SHALL BE RESTORED AS PER TS-__ SEEDING AND TS-__ EROSION CONTROL.

PE-2007011061

- REMOVE ALL PAVEMENT SURFACES, INLETS, PIPES AND SIDEWALKS WITHIN THE CONSTRUCTION LIMITS AS PER TS.__, EXCEPT THOSE NOTED TO REMAIN. THE FIELD INSPECTOR SHALL VERIFY REMOVAL OF ALL DRIVEWAY PAVEMENT.
- REMOVAL OF TREES AND BUSHES SHALL BE VERIFIED BY FIELD INSPECTORS. EXERCISE CAUTION WHEN WORKING NEAR THE CONSTRUCTION LIMITS TO MINIMIZE DISTURBANCE TO ADJACENT TREES AND SHRUBS THAT ARE NOT BEING
- NO OPEN TRENCHES WILL BE ALLOWED OVERNIGHT. ASPHALTIC "COLD MIX" SHALL BE USED AS A TEMPORARY PATCH OVERNIGHT. TEMPORARY PATCHING SHALL BE CONSIDERED INCIDENTAL TO THE WORK.



Provide safe, sustainable Infrastructure that promote positive communities.

DRAWING NO.



Columbia, MO 65203 P 573-814-1568

F 573-814-1128 Ankeny,IA | Carroll,IA

Coralville, IA | Council Bluffs, IA Fort Dodge, IA | Sioux City, IA Columbia,MO | Macon,MO North Kansas City,MO | Springfield,MO

Cedar Rapids, IA | Clive, IA

Lenexa, KS Portsmouth, NH

NOTICE: McClure Engineering Co. is not responsible or liable for any issues claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistences, ambiguities, or conflicts contained within the Plans and Specifications

> MISSOURI CERTIFICATE OF AUTHORITY NO. E-2006023253 EXPIRES: DECEMBER 31, 2024

MO PE-2016001250

October 23, 2024 REVISIONS

PROJECT INFO

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2001 W. Broadway Columbia, MO 65203 P 573-814-1568 F 573-814-1128

Ankeny,IA | Carroll,IA Cedar Rapids,IA | Clive,IA Coralville,IA | Council Bluffs,IA Fort Dodge,IA | Sioux City,IA Columbia,MO | Macon,MO North Kansas City,MO | Springfield,MO

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Ryan Fuller MO PE-2016001250 October 23, 2024

REVISIONS

PROJECT INFO 2023000517

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SUMMARY OF QUANTITIES

ST CHARLES ROAD SIDEWALK COLUMBIA, MISSOURI TAP 2101511



L4		START:31+38.35 END:40+50.00		911.65							
PROJECT CONTROL POINTS TABLE											
CP#	NORTHING		EASTING	ELEV.		DESCRIPTION					
100	1139694.65'		1712522.56'	83	3.43'	12 RBC					
101	1139642.97'		1711583.33'	84	0.27'	12 RBC					
102	1139632.59'		1715039.14'	80	6.04'	12 RBC					
103	113965	8.69'	1712084.24'	836.28'		12 RBC					
104	113966	9.32'	1713517.47'	838.49'		12 RBC					
105	1139640.31'		1714111.90'	844.13'		12 RBC					
106	1139707.13'		1712718.76'	830.98'		12 RBC					
107	1139730.11'		1712967.17'	830.82'		12 RBC					
108	1139698.45'		1713964.26'	851.33'		12 RBC					
109	1139636.12'		1714576.52'	826.10'		12 RBC					
110	1139683.86'		1714939.54'	809.00'		60D					
111	113969	9.80'	1714862.28'	807.88'		60D					

112 | 1139697.36' | 1714782.56' | 815.28' | 60D NAIL

START:28+16.22 END:31+38.35 322.13

N:1139678.39

E:1713714.33

N:1139664.75

E:1713864.60

N:1139659.90 E:1714186.69

S89°08'17"E

S89°33'45"E

N:1139664.75

E:1713864.60

N:1139659.90

E:1714186.69

N:1139652.94

E:1715098.32



ST CHARLES ROAD SIDEWALK COLUMBIA, MISSOURI TAP 2101511

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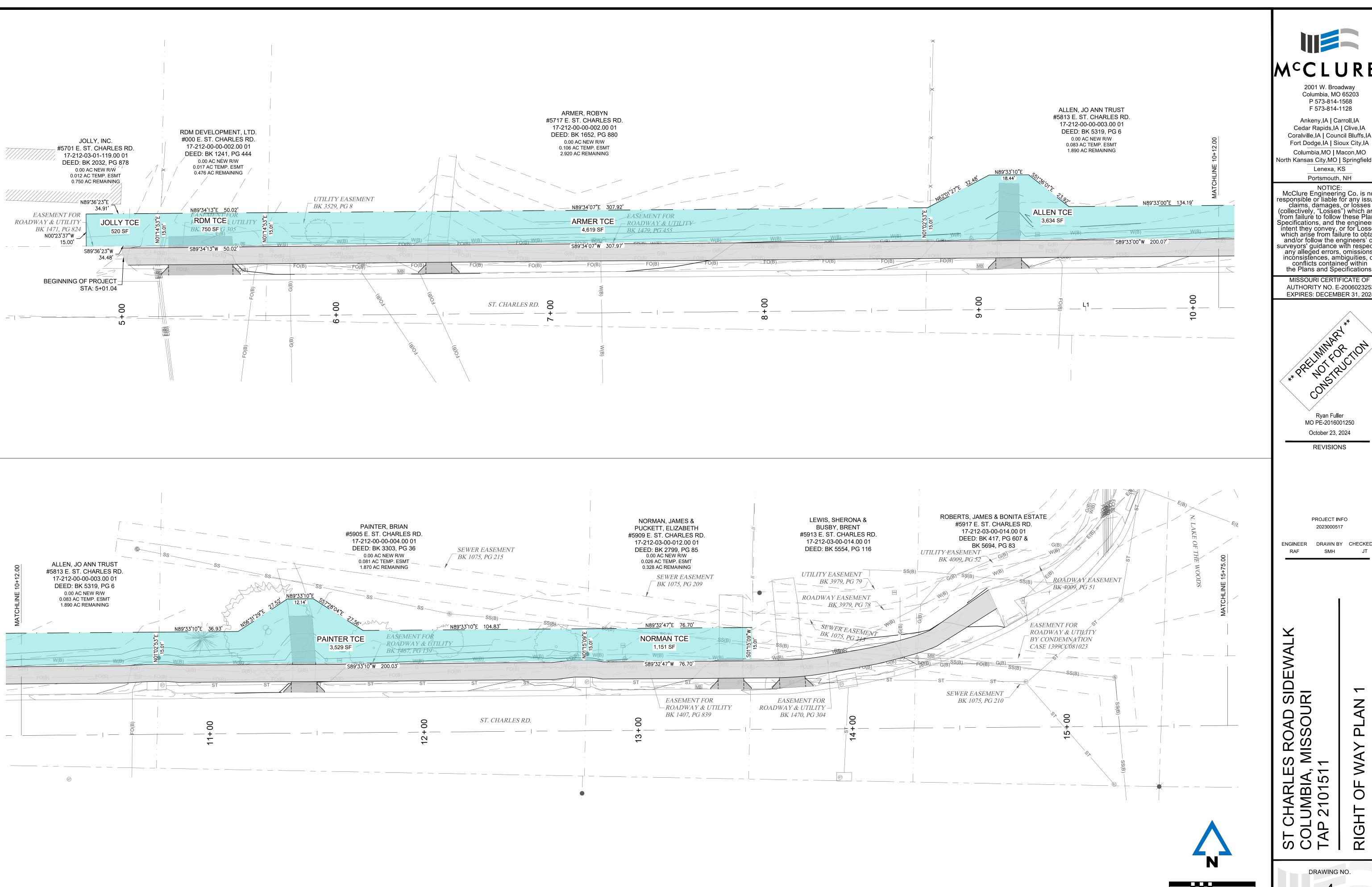
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ALIGNMENT

∞

CONTROL

PROJECT



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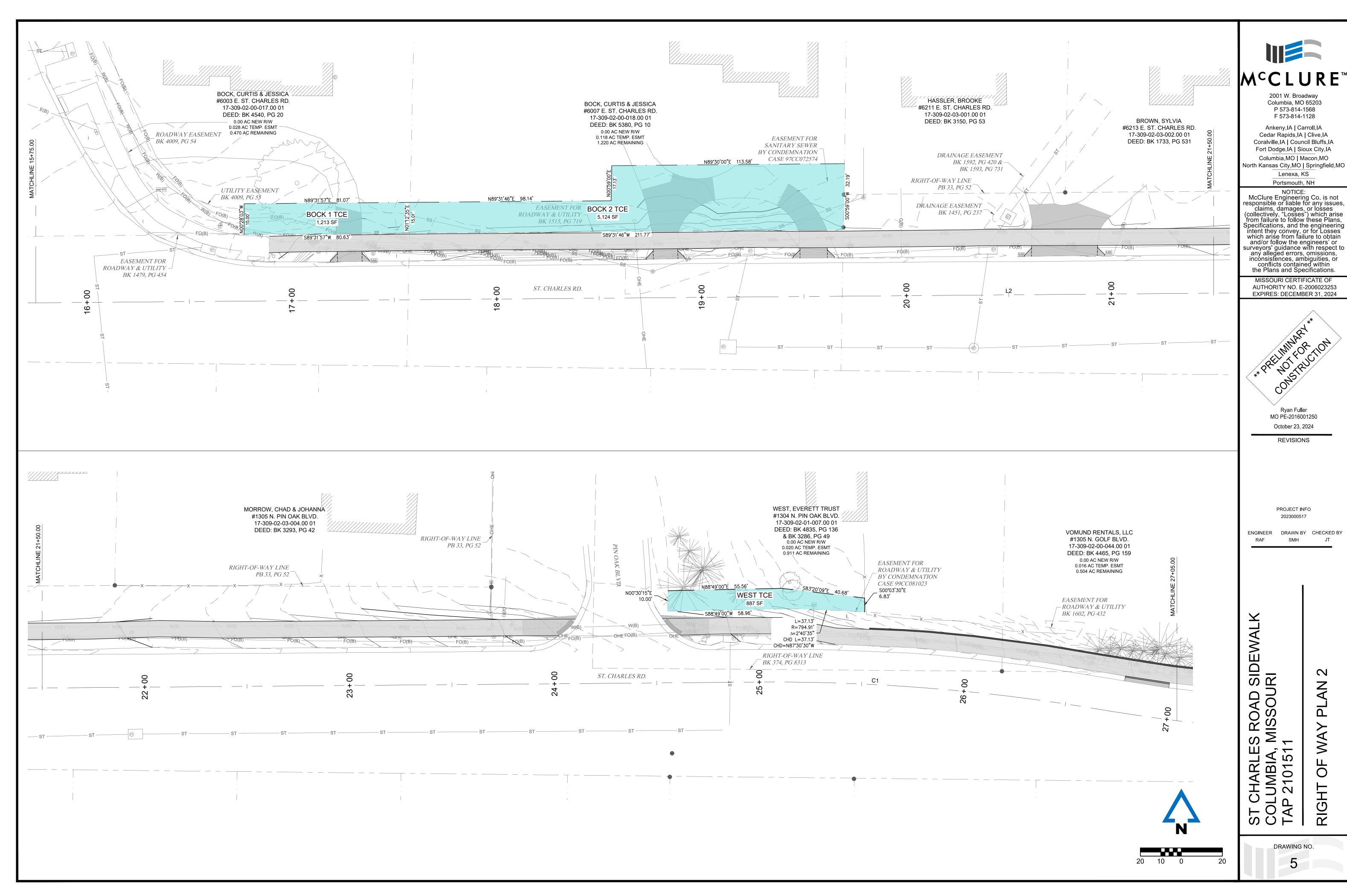
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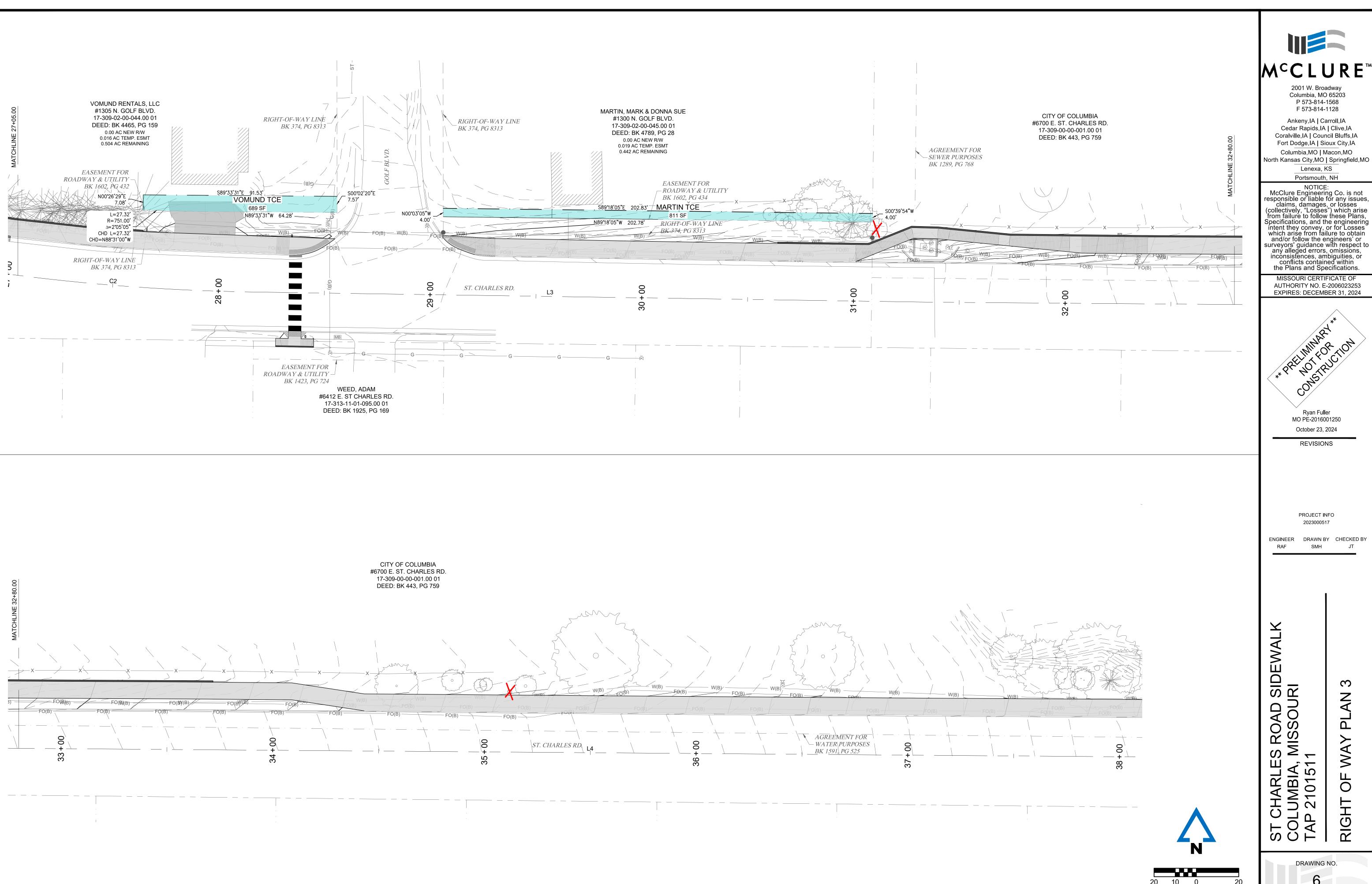
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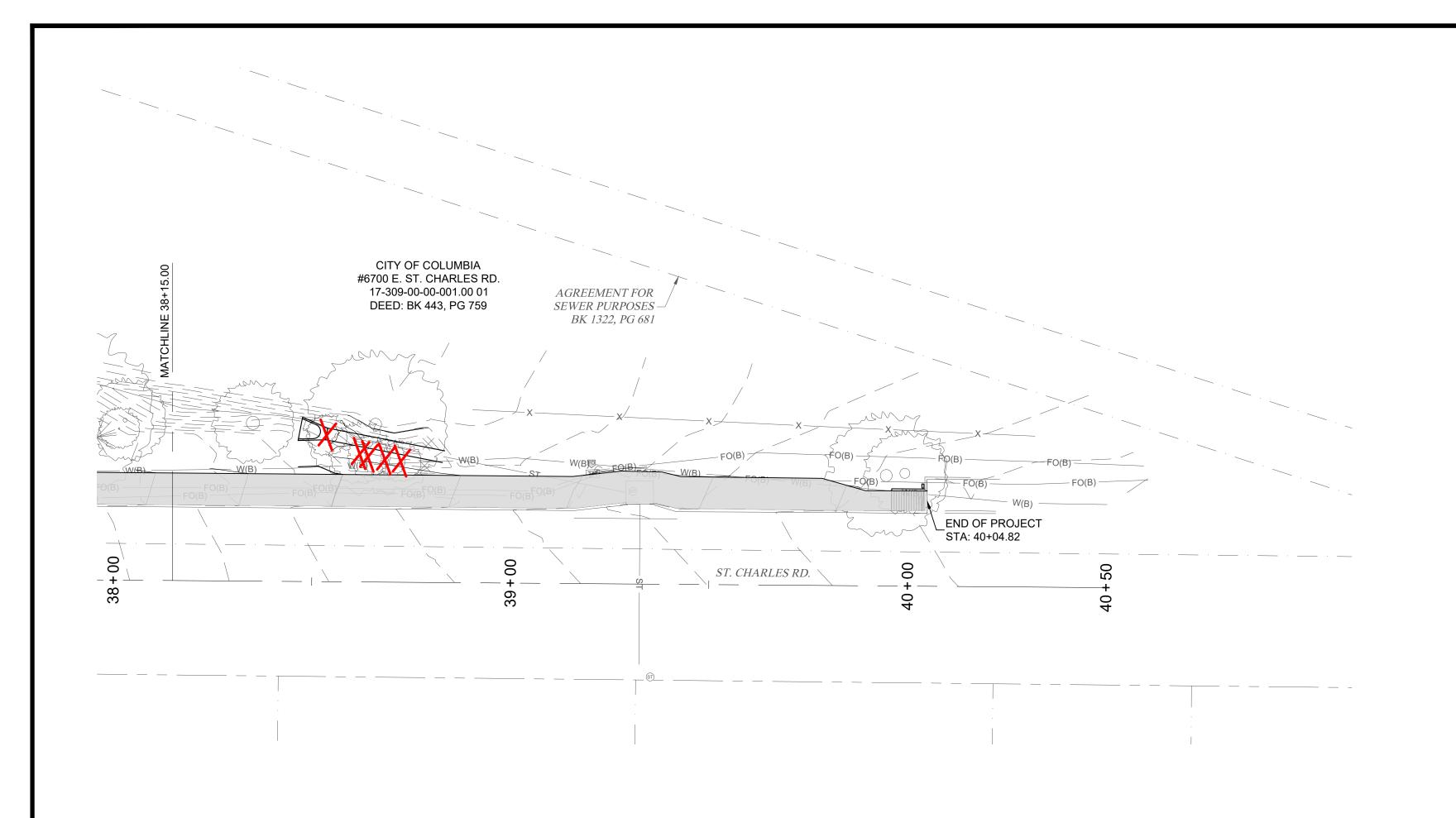
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ST CHARLES ROAD SIDEWALK COLUMBIA, MISSOURI TAP 2101511 RIGHT OF WAY PLAN