EFFECTIVE 12-01-2017

SIGNS (902 SIGNAL SIGNS TABULATED ON D-37C SHEET)						PIPE POST ✳					STRUCTURAL STEEL: POSTS ✳						BACKING BARS 2" X 1/8" BARS @ 2.55 LBS PER LIN FT				TOTAL	U CHANNEL POST	PERFORATED SQUARE STEEL TUBE POST: 2 IN						2.5 IN							FOOTINGS		REMARKS AND OTHER REQUIRED ITEMS.
SIGN NO.	SIGN SIZE	STATION	HORZ CLEAR IF NOT STD	LOCATION	SIGN DTL. SHT. NO.	PIPE SIZE	POST NO.1	POST NO.2	LBS PER FT	TOTAL ITEM NO. 9031220	POST DES NO.	POST NO.1	POST NO.2	POST NO.3	LBS PER FT	TOTAL	NO. EACH	LGTH IN.	TOTAL LF	TOTAL LBS	ITEM NO. 9031210	ITEM NO. 9031250	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031270A	DRIVEN 12-GA. ITEM NO. 9031271A	DRIVEN 7-GA. ITEM NO. 9031273A	CONCRETE 7-GA. ITEM NO. 9031274	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031280	2.25" INSERT ITEM NO. 9031272	ANCHOR 7 GA. ITEM NO. 9031281	OMNI 7 GA. ITEM NO. 9031282	BREAK-AWAY ASSEMBLY ITEM NO. 9031241	EMBD ITEM NO. 9031010	BOLT DOWN ITEM NO. 9031020	
						IN.	LF	LF		LBS		LF	LF	LF		LBS		IN.	LF	LBS	LBS	LF	LF	LF	LF	EA	EA	EA	LF	LF	LF	LF	LF	LF	EACH	CU YDS	CU YDS	
WELDON SPRING ROAD																																							
	ASSEMBLY	12+92		RT																			13.8		13.8	1									1			
	ASSEMBLY	13+92		RT																																		MOUNT TO EX PED SIGNAL POST
	ASSEMBLY	14+00		LT																																		MOUNT TO EX PED SIGNAL POST
	ASSEMBLY	15+00		LT																			15.8		15.8	1									1			
	24"X30"	18+68		RT																			13.3		13.3	1									1			
	24"X30"	18+68		LT																			13.3		13.3	1									1			
	ASSEMBLY	20+18		RT																			15.8		15.8	1									1			
	24"X30"	21+68		LT		2.5	13.3		5.79	77																										0.13		
	ASSEMBLY	22+30		RT		2.5	15.6		5.79	90																										0.13		
	ASSEMBLY	22+47		LT		2.5	15.6		5.79	90																										0.13		
	ASSEMBLY	22+52		RT		2.5	16.4		5.79	95																										0.13		
	114"X18"	22+59		LT		2.5	13.3	13.3	5.79	154																										0.26		
	36" TRI.	22+60		LT		2.5	13.9		5.79	80																										0.13		
	36"X12"	23+03		RT		2.5	14.3		5.79	83																										0.13		
	36"X12"	23+09		LT		2.5	14.3		5.79	83																										0.13		
	36"X12"	23+33		RT		2.5	14.3		5.79	83																										0.13		
	36"X12"	23+43		LT		2.5	14.3		5.79	83																										0.13		
	36" TRI.	23+87		LT		2.5	13.9		5.79	80																										0.13		
	114"X18"	23+89		RT		2.5	13.3	13.3	5.8	154																										0.26		
	36" TRI.	23+93		LT		2.5	13.9		5.8	80																										0.13		
	ASSEMBLY	24+00		RT		2.5	15.6		5.79	90																										0.13		
	ASSEMBLY	24+18		LT		2.5	15.6		5.79	90																										0.13		
	24"X30"	24+82		LT		2.5	13.3		5.79	77																										0.13		
	ASSEMBLY	26+32		LT																			15.8		15.8	1									1			
CRUSHER DRIVE																																							
	ASSEMBLY	2+01		LT																			15.8		15.8	1									1			
	24"X30"	3+72		LT		2.5	13.8		5.79	80																										0.13		
	ASSEMBLY	4+07		LT		2.5	15.6		5.79	90																										0.13		
	ASSEMBLY	4+24		LT		2.5	15.6		5.79	90																										0.13		
	ASSEMBLY	4+31		LT		2.5	16.9		5.79	98																										0.13		
	84"X18"	4+35		LT		2.5	13.3	13.3	5.79	154																										0.26		
	36" TRI.	4+37		LT		2.5	13.9		5.79	80																										0.13		
	36" TRI.	5+63		LT		2.5	13.9		5.79	80																										0.13		
	84"X18"	5+64		LT		2.5	13.3	13.3	5.79	154																										0.26		
	ASSEMBLY	5+72		LT		2.5	16.4		5.79	95																										0.13		
	24"X30"	6+58		LT		2.5	13.3		5.79	77																										0.13		
	ASSEMBLY	8+08		LT																			15.8		15.8	1									1			
						SUBTOTAL				2487															119.4	8									8	3.90		
						TOTAL				2490															119	8									8	3.9		

✳ BREAKAWAY ASSEMBLY IS INCIDENTAL FOR PIPE AND STRUCTURAL STEEL POSTS

ROUND PIPE POST AND FOOTING DATA TABLE

NOM. SIZE (IN.)	WEIGHT LBS/FT	WEIGHT LBS/IN	STUB LENGTH	FOOTING DIA.	FOOTING DEPTH	CONCRETE C.Y.
2½	5.79	0.48	4'-3½"	12"	4'-6"	0.13
4	10.79	0.90	5'-3½"	18"	5'-6"	0.36

POST AND FOOTING DATA TABLE

POST DES. NO.	NOM. SIZE	POST WEIGHT LBS/FT	POST WEIGHT LBS/IN	STUB LENGTH	FOOTING DIA.	LEVEL GROUND DEPTH	LEVEL GROUND C.Y.	6:1 GRADE DEPTH	6:1 GRADE C.Y.	4:1 GRADE DEPTH	4:1 GRADE C.Y.	3:1 OR 2:1 GRADE DEPTH	3:1 OR 2:1 GRADE C.Y.
1	W6	9.0	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.17
2	W6	15.0	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.50	4'-3"	0.51	4'-6"	0.54
3	W8	18.0	1.50	4'-6"	28"	4'-6"	0.71	4'-8"	0.73	4'-9"	0.74	5'-0"	0.78
4	W10	22.0	1.83	5'-0"	36"	5'-0"	1.31	5'-2"	1.36	5'-3"	1.39	5'-6"	1.45
5	W10	26.0	2.17	5'-0"	36"	5'-0"	1.31	5'-3"	1.37	5'-5"	1.43	5'-9"	1.52
6	W12	35.0	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.65

STATE OF MISSOURI
BENTLEY M. GEDRIS
NUMBER PE-2010017818
PROFESSIONAL ENGINEER

DATE PREPARED: 8/14/2024
DISTRICT: SL
STATE: MO
SHEET NO.: 43
ROUTE: WELDON SPRING
OA JOB NO.: 221150
EW GATEWAY ID.: 7209-22
PROJECT NO.: CMAQ-7302(691)
BRIDGE NO.: N/A

DESCRIPTION
DATE

OATES ASSOCIATES, INC.
ST. LOUIS 720 Olive, Suite 700 St. Louis, MO 63101 tel 314.436.9100 fax 314.436.9331
MISSOURI DESIGN FIRM LICENSE NO. 001166
MISSOURI LAND SURVEY CORP LICENSE NO. 2006-029

CITY OF O'FALLON
ENGINEERING DEPARTMENT
100 NORTH MAIN STREET
O'FALLON, MO 63366
tel 636.379.5596

SIGNING PLAN
SHEET 3 OF 5

D-29

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.

H:\P\221150\CADD\Microstation\CADD Sheets\013_Signing.dgn 6:50:31PM 8/14/2024