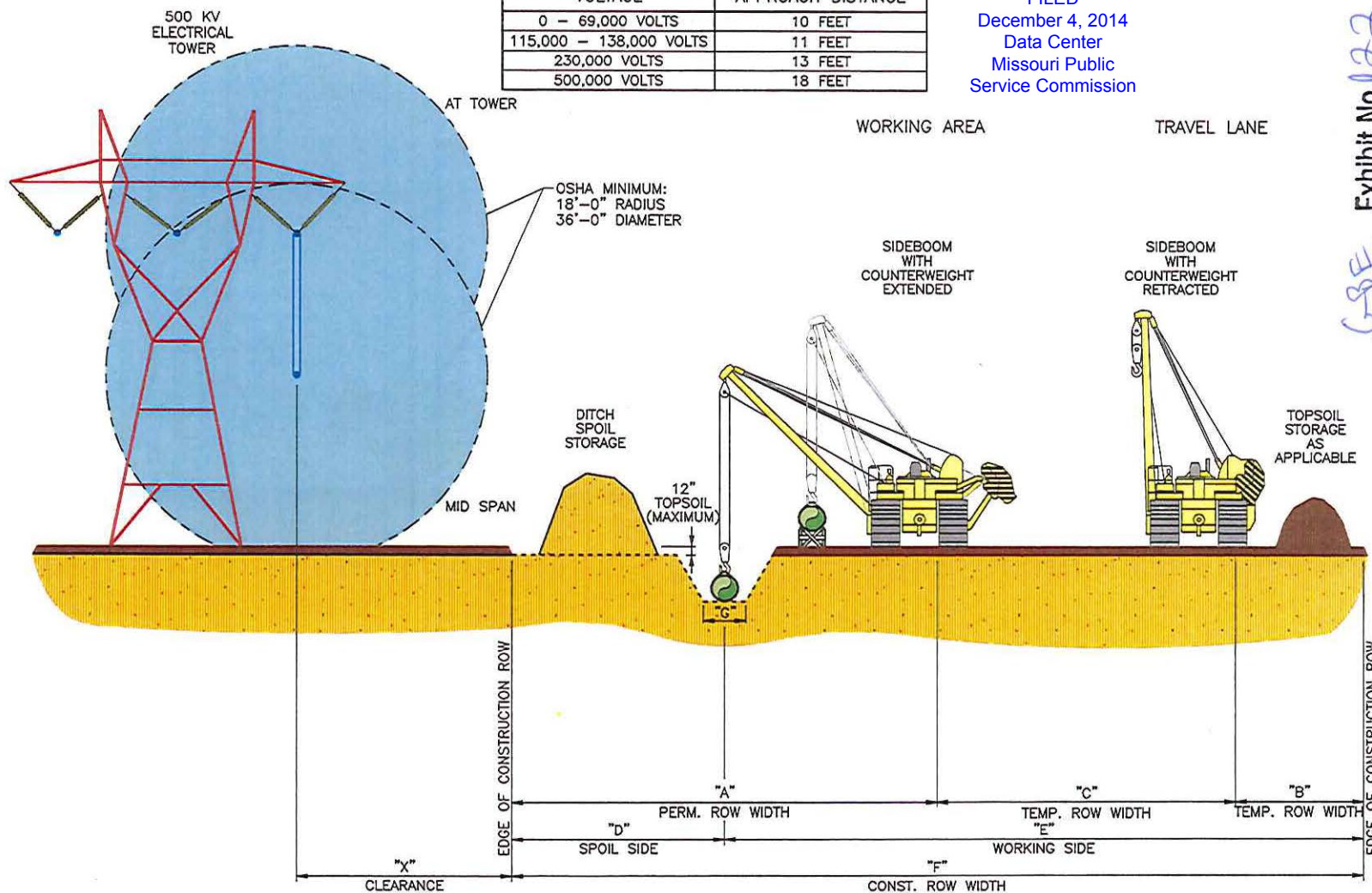


P:\Shared Files\INGAA Right-of-Way Typical\Drawings\57\DRH2013.061.dwg

POWER LINE VOLTAGE	OSHA MINIMUM APPROACH DISTANCE
0 - 69,000 VOLTS	10 FEET
115,000 - 138,000 VOLTS	11 FEET
230,000 VOLTS	13 FEET
500,000 VOLTS	18 FEET

FILED  
 December 4, 2014  
 Data Center  
 Missouri Public  
 Service Commission


GSE Exhibit No. 122  
 Date 11-12-14 Reporter KF  
 File No. EA-2014-0207



DIAMETER PIPE	A	B	C	D	E	F	G	X
12"	40	5	30	20	55	75	3	50
16"	40	10	40	20	70	90	3	50
24"	50	10	40	25	75	100	4	50
30"	50	10	40	25	75	100	5	50
36"	50	10	40	25	75	100	5	50
42"	60	10	40	30	80	110	6	50
48"	75	10	35	37.5	82.5	120	6	50

DRAWING ASSUMES TYPE "B" SOIL

NO.	REVISION	DATE	APPR.


**WILLBROS ENGINEERING/EPC**  
 2087 E. 71st Street - Tulsa, OK 74136  
 (918) 426-0400



MAINLINE CONSTRUCTION  
 PARALLEL TO POWER LINES  
 RIGHT-OF-WAY

DRAWING NUMBER	SHEET
STD-INGAA-5	1 OF 1