

### CONTROL CABLES CONDUIT SCHEDULE

# OF CABLES	ESTIMATED CONDUIT SIZE
1	1/2"
2	3/4"
3	1"
5	1 1/4"
7	1 1/2"
13	2"
18	2 1/2"
29	3"
38	3 1/2"

NOTE:  
ABOVE CONDUIT SIZES DEPEND ON ACTUAL  
CABLES INSTALLED. VERIFY CABLE SIZES &  
ADJUST CONDUIT AS REQUIRED. RUN ALL  
CONTROL CABLES IN SEPARATE CONDUIT FROM  
POWER CIRCUITS. ALSO RUN SHIELDED & LAN  
LAN CABLES IN SEPARATE CONDUIT FROM  
OTHER CONTROLS. CONTRACTOR CAN SIZE  
CONDUIT FOR ACTUAL CABLE SIZE, PER N.E.C.  
FILL TABLE WITH 25% SPARE CAPACITY.  
SUBMIT CALCULATIONS.

### ELECTRICAL SHEET INDEX

SHEET NO.	DESCRIPTION
EA001	ELECTRICAL LEAD SHEET
EA002	CONTROL SCHEDULE
EA101	ELECTRICAL DETAILS
EA201	ELECTRICAL SITE PLAN

### GENERAL NOTES

- ALL ELECTRICAL WORK SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) & THE AMERICANS WITH DISABILITIES ACT (ADA).
- REFER TO RELATED CIVIL AND STRUCTURAL DRAWINGS FOR RELATED INFORMATION.
- REFER TO THE SPECIFICATIONS FOR DATA NOT ON THE DRAWINGS.
- ALL MOUNTING HEIGHTS TO CENTERLINE OF ITEM UNLESS OTHERWISE NOTED. VERIFY ALL OUTLET LOCATIONS ON THE JOB PRIOR TO ROUGH-IN.
- CONDUIT RUN W/CONDUCTORS AS INDICATED & GROUND WIRE SIZED PER N.E.C. 250.122. CONDUIT SIZE AS REQUIRED.
- WHEN INCREASED CONDUCTOR SIZES ARE SHOWN ON THE PLANS, THE LARGER CONDUCTOR SIZE SHALL BE USED THROUGHOUT THE LENGTH OF THE CIRCUIT, INCLUDING NEUTRAL AND GROUND.
- BRANCH CIRCUITS ARE INDICATED AS ONE CIRCUIT HOME RUNS WITH INDIVIDUAL NEUTRALS. A MAXIMUM OF THREE CIRCUITS (MAXIMUM OF THREE PHASE CONDUCTORS) MAY BE GROUPED IN A SINGLE CONDUIT. WHERE MULTIPLE CIRCUITS ARE LOCATED IN THE SAME RACEWAY, JUNCTION BOX OR ENCLOSURE, NEUTRALS SHALL BE MARKED OR LABELED TO INDICATE WHICH CIRCUIT THEY ARE ASSOCIATED WITH. SEE SPECIFICATION SECTION "LOW VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES" FOR ADDITIONAL INFORMATION.

### SYMBOL LIST

SYMBOL	DESCRIPTION	MOUNTING
	GROUND FAULT DUPLEX RECEPTACLE	18" AFF
WP	WEATHERPROOF	
AFG	ABOVE FINISHED GRADE	
UON	UNLESS OTHERWISE NOTED	
AFF	ABOVE FINISHED FLOOR	
	SPECIAL OUTLET (SEE SCHEDULE OR AS NOTED)	FLOOR/WALL
	JUNCTION BOX	
	BRANCH CIRCUIT PANEL & PANEL DESIG.	72" TO TOP
	ELECTRICAL DISTRIBUTION EQUIPMENT	
	FEEDER DESIGNATION	
	CONDUIT HOME RUN, 1 CIRCUIT. 2#10 & 1#10 GRD. GEN. NOTE 5 & 6	CEIL./WALL
	CONDUIT RUN 2#12 & 1#12 GRD.-	CEIL./WALL
	CONDUIT RUN 2#12 & 1#12 GRD.-	EARTH/FLOOR
	CONDUIT HOME RUN, 1 CIRCUIT. 2#12 & 1#12 GRD. 1/2"C.	CEIL./WALL
	CONDUIT RUN PARTIAL CIRCUIT. 2#12 & 1#12 GRD. 1/2"C.	CEIL./WALL
	CONDUIT HOME RUN, 2 CIRCUITS PHASE CONDUCTORS (#12 UON) NEUTRAL CONDUCTOR (#12 UON) SWITCH LEGS (#12 UON) GROUND CONDUCTOR (#12 UON)	CEIL./WALL
	DISCRETE CONTROL CABLE (# OF PAIRS)	CEIL./WALL
	ANALOG CONTROL CABLE (# OF SHIELDED PAIRS)	CEIL./WALL
	CONDUIT SEAL-OFF	CEIL./WALL
	DISCONNECT SWITCH	
	STARTER	
	FLOW METER	
	PRESSURE TRANSDUCER	
	VALVE	

No.	Revision	By	Date
WASTEWATER PLANT 2 INFLUENT FORCE MAIN - PHASE 2 <b>ELECTRICAL LEAD SHEET</b> GARY JANZEN, P.E. - CITY ENGINEER CITY OF WICHITA PROJECT NO. 468-85202			
Designed by	RWW	Job No.	35-15554-1-0042
Drawn by	JBC	Date	NOVEMBER 2016
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