

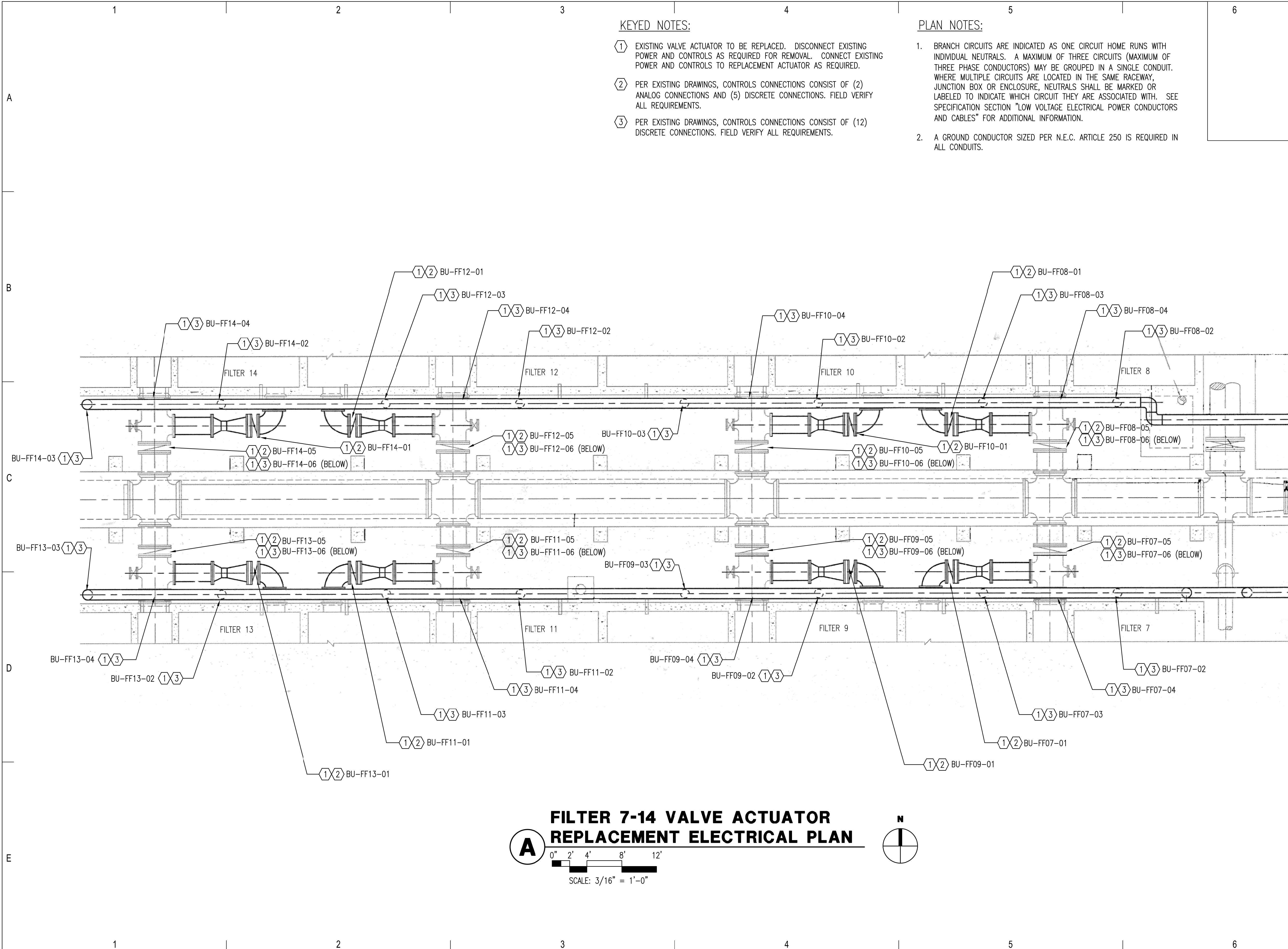
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 U:\Wichita-Civil\2019\197043\004\Elec\Drawings\197043-004 - E4.2 FILTER 7-14 AIR VALVE REPLACEMENT POWER PLAN

**KEYED NOTES:**

- ① EXISTING VALVE ACTUATOR TO BE REPLACED. DISCONNECT EXISTING POWER AND CONTROLS AS REQUIRED FOR REMOVAL. CONNECT EXISTING POWER AND CONTROLS TO REPLACEMENT ACTUATOR AS REQUIRED.
- ② PER EXISTING DRAWINGS, CONTROLS CONNECTIONS CONSIST OF (2) ANALOG CONNECTIONS AND (5) DISCRETE CONNECTIONS. FIELD VERIFY ALL REQUIREMENTS.
- ③ PER EXISTING DRAWINGS, CONTROLS CONNECTIONS CONSIST OF (12) DISCRETE CONNECTIONS. FIELD VERIFY ALL REQUIREMENTS.

**PLAN NOTES:**

- 1. 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.
- 2. A GROUND CONDUCTOR SIZED PER N.E.C. ARTICLE 250 IS REQUIRED IN ALL CONDUITS.



**2020 WATER TREATMENT PLANT  
 VALVE ACTUATOR REPLACEMENT**

CITY OF WICHITA PROJECT NO. 448-2019-004278  
 OCA NO. 639-001  
 GARY JANZEN, P.E. - CITY ENGINEER

Issue:	
JOB NO.	197043-004
DATE	OCTOBER 2019
PM	
DESIGNED BY	SMS
DRAWN BY	ZJS
CHECKED BY	SMS
FILTER 7-14 VALVE ACTUATOR REPLACEMENT ELECTRICAL PLAN	