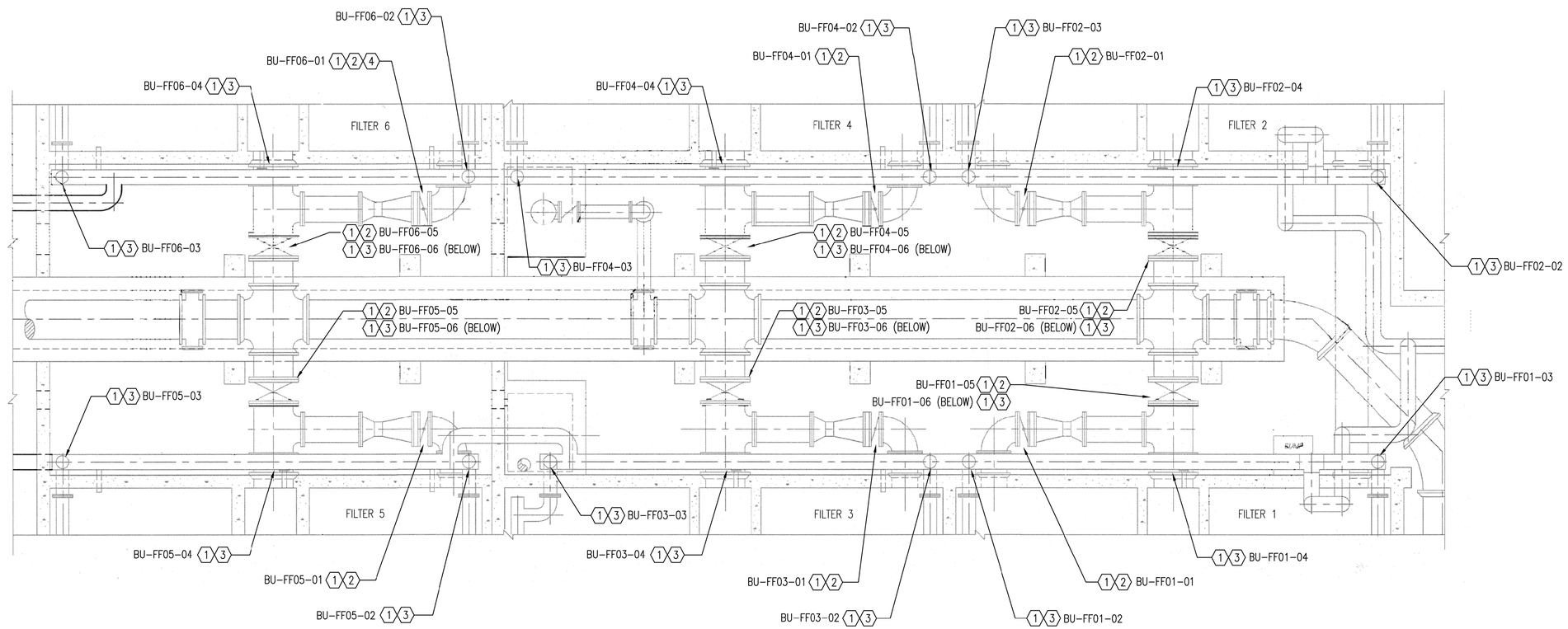
## KEYED NOTES:

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.
4. EXISTING CONTROLS CONDUIT FROM VALVE ACTUATOR NOT CONNECTED TO CONDUIT BODY IN CONTROLS CONDUIT HOMERUN. PROVIDE PROPERLY SIZED CONNECTION AS REQUIRED. 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.




# A FILTER 1-6 VALVE ACTUATOR REPLACEMENT ELECTRICAL PLAN

0" 2' 4' 8' 12'

SCALE: 3/16" = 1'-0"

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CITY OF WICHITA

SHAWN M. SCHRADER LICENSED 13340 10/29/2019 KANSAS PROFESSIONAL ENGINEER

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

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FILTER 1-6 VALVE ACTUATOR REPLACEMENT ELECTRICAL PLAN

E101


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Plot Scale 1:1 10-29-2019 1:06:29 PM by GAL
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