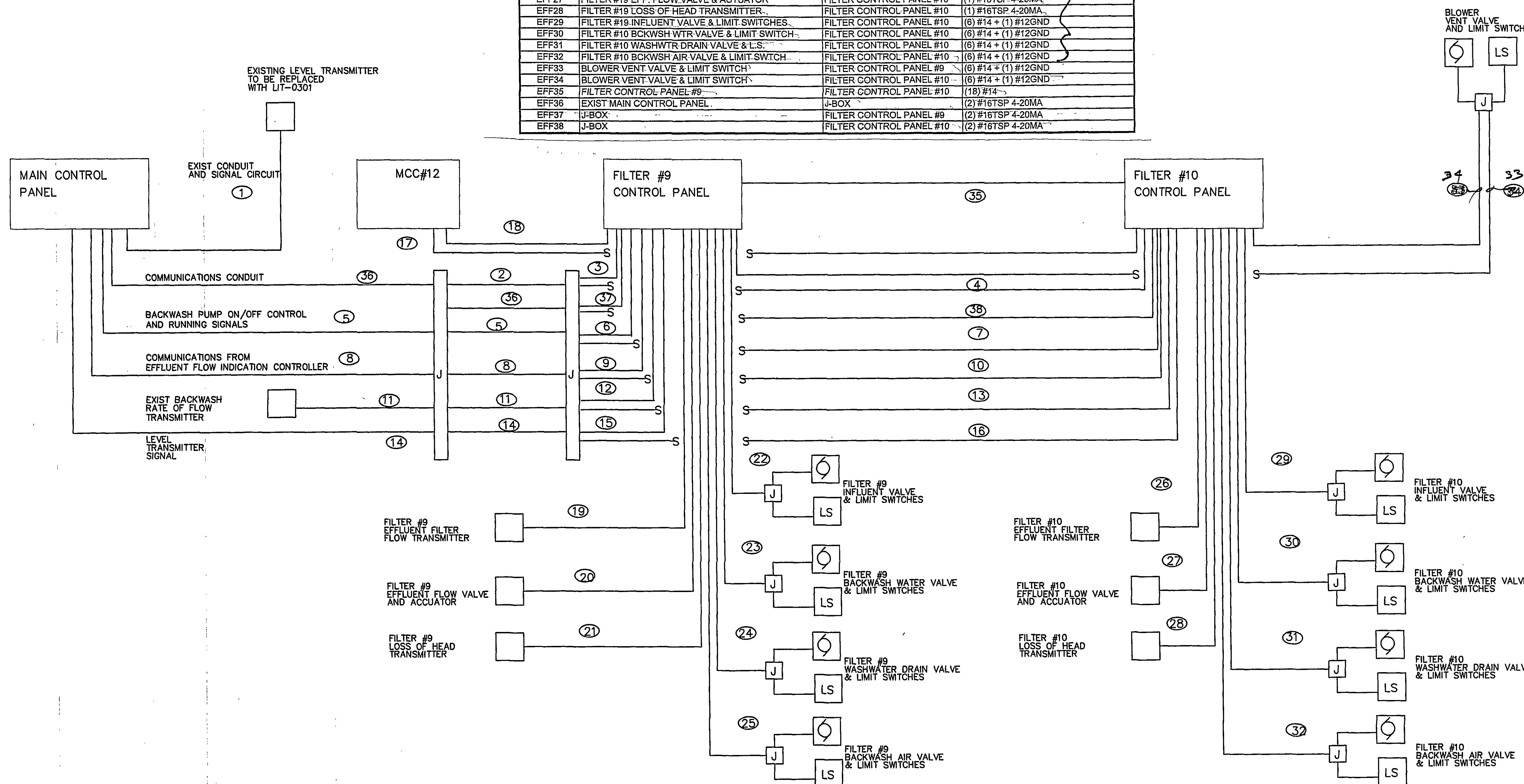


FEEDER NO.	FROM	TO	WIRE
EFF1	EXIST MAIN CONTROL PANEL	LEVEL TRANSMITTER	(1) #16TSP 4-20MA
EFF2	J-BOX	J-BOX	SPARE
EFF3	J-BOX	FILTER CONTROL PANEL #9	SPARE
EFF4	J-BOX	FILTER CONTROL PANEL #10	SPARE
EFF5	EXIST MAIN CONTROL PANEL	J-BOX	(8) #14
EFF6	EXIST MAIN CONTROL PANEL-THRU J-BOX	FILTER CONTROL PANEL #9	(4) #14
EFF7	EXIST MAIN CONTROL PANEL-THRU J-BOX	FILTER CONTROL PANEL #10	(4) #14
EFF8	EXIST MAIN CONTROL PANEL	J-BOX	(4) #14
EFF9	EXIST MAIN CONTROL PANEL-THRU J-BOX	FILTER CONTROL PANEL #9	(2) #14
EFF10	EXIST MAIN CONTROL PANEL-THRU J-BOX	FILTER CONTROL PANEL #10	(2) #14
EFF11	EXISTING BACKWASH RATE OF FLOW TRANSMITTER	J-BOX	2 SETS OF (3) +16VDC, 1-5VDC, COMM
EFF12	EXIST BACKWASH VALVE-THRU J-BOX	FILTER CONTROL PANEL #9	(3) +16VDC, 1-5VDC, COMM
EFF13	EXIST BACKWASH VALVE-THRU J-BOX	FILTER CONTROL PANEL #10	(3) +16VDC, 1-5VDC, COMM
EFF14	EXIST LEVEL TRANSMITTER-THRU MCP	J-BOX	(2) #16TSP 4-20MA
EFF15	EXIST LEVEL TRANSMITTER-THRU J-BOX	FILTER CONTROL PANEL #9	(1) #16TSP 4-20MA
EFF16	EXIST LEVEL TRANSMITTER-THRU J-BOX	FILTER CONTROL PANEL #10	(1) #16TSP 4-20MA
EFF17	MCC #12	FILTER CONTROL PANEL #9	(24) #14
EFF18	MCC #12	FILTER CONTROL PANEL #10	(24) #14
EFF19	FILTER #9 EFFLUENT FLOW TRANSMITTER	FILTER CONTROL PANEL #9	(1) #16TSP 4-20MA
EFF20	FILTER #9 EFF. FLOW VALVE & ACTUATOR	FILTER CONTROL PANEL #9	(1) #16TSP 4-20MA
EFF21	FILTER #9 LOSS OF HEAD TRANSMITTER	FILTER CONTROL PANEL #9	(1) #16TSP 4-20MA
EFF22	FILTER #9 INFLUENT VALVE & LIMIT SWITCHES	FILTER CONTROL PANEL #9	(6) #14 + (1) #12GND
EFF23	FILTER #9 BCKWASH WTR VALVE & LIMIT SWITCH	FILTER CONTROL PANEL #9	(6) #14 + (1) #12GND
EFF24	FILTER #9 WASHWTR DRAIN VALVE & L.S.	FILTER CONTROL PANEL #9	(6) #14 + (1) #12GND
EFF25	FILTER #9 BCKWASH AIR VALVE & LIMIT SWITCH	FILTER CONTROL PANEL #9	(6) #14 + (1) #12GND
EFF26	FILTER #10 EFFLUENT FLOW TRANSMITTER	FILTER CONTROL PANEL #10	(1) #16TSP 4-20MA
EFF27	FILTER #10 EFF. FLOW VALVE & ACTUATOR	FILTER CONTROL PANEL #10	(1) #16TSP 4-20MA
EFF28	FILTER #10 LOSS OF HEAD TRANSMITTER	FILTER CONTROL PANEL #10	(1) #16TSP 4-20MA
EFF29	FILTER #10 INFLUENT VALVE & LIMIT SWITCHES	FILTER CONTROL PANEL #10	(6) #14 + (1) #12GND
EFF30	FILTER #10 BCKWASH WTR VALVE & LIMIT SWITCH	FILTER CONTROL PANEL #10	(6) #14 + (1) #12GND
EFF31	FILTER #10 WASHWTR DRAIN VALVE & L.S.	FILTER CONTROL PANEL #10	(6) #14 + (1) #12GND
EFF32	FILTER #10 BCKWASH AIR VALVE & LIMIT SWITCH	FILTER CONTROL PANEL #10	(6) #14 + (1) #12GND
EFF33	BLOWER VENT VALVE & LIMIT SWITCH	FILTER CONTROL PANEL #9	(6) #14 + (1) #12GND
EFF34	BLOWER VENT VALVE & LIMIT SWITCH	FILTER CONTROL PANEL #10	(6) #14 + (1) #12GND
EFF35	FILTER CONTROL PANEL #9	FILTER CONTROL PANEL #10	(18) #14
EFF36	EXIST MAIN CONTROL PANEL	J-BOX	(2) #16TSP 4-20MA
EFF37	J-BOX	FILTER CONTROL PANEL #9	(2) #16TSP 4-20MA
EFF38	J-BOX	FILTER CONTROL PANEL #10	(2) #16TSP 4-20MA



EFFLUENT FILTERS #9 & #10 CONTROL WIRING DIAGRAM

RECORD DRAWING

KEY PLAN		
NO	DESCRIPTION	DATE
REVISIONS		
NOTES		
SEAL		



G. J. HOPKINS, INC.

MECHANICAL & ELECTRICAL CONTRACTORS
P.O. BOX 12467
ROANOKE, VIRGINIA 24025
PHONE: 540-982-1873 FAX: 540-982-0555

DESIGNED BY	DV	DRAWN BY	DV
CHECKED BY	DV	APPROVED BY	DV

PROJECT
ROANOKE
Water Pollution
Control Plant
Roanoke, VA

DRAWING TITLE
**EFFLUENT FILTERS 9 & 10
CONTROL SYSTEM
CONDUIT SYSTEM**

JOB NUMBER	DATE
377	1/4/98

SHEET NUMBER	REVISED
I-2	27 2000