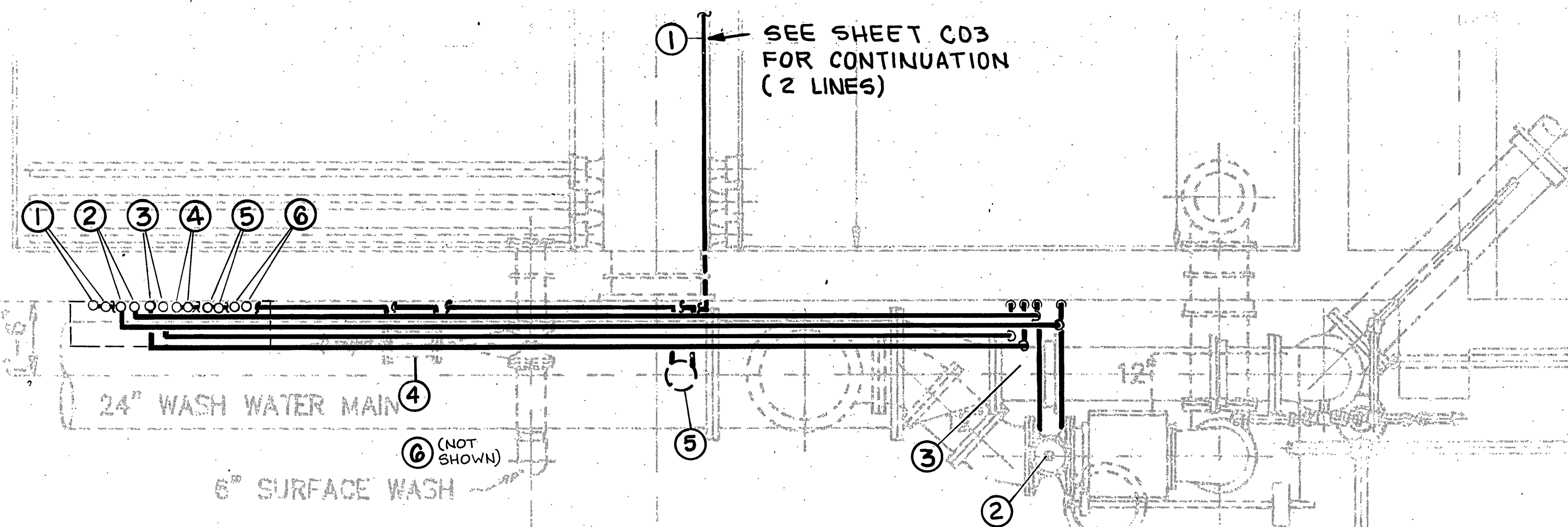


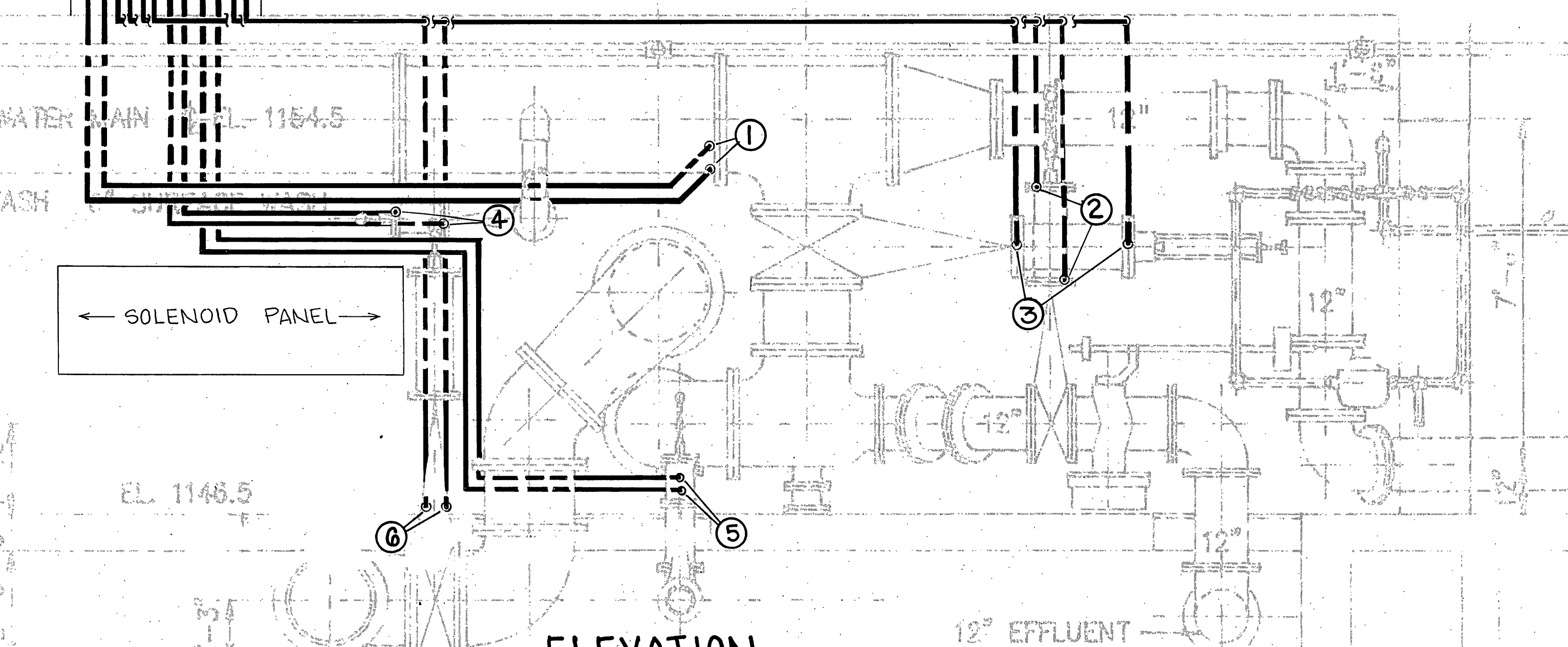


PLAN
SCALE: 1/2" = 1'-0"

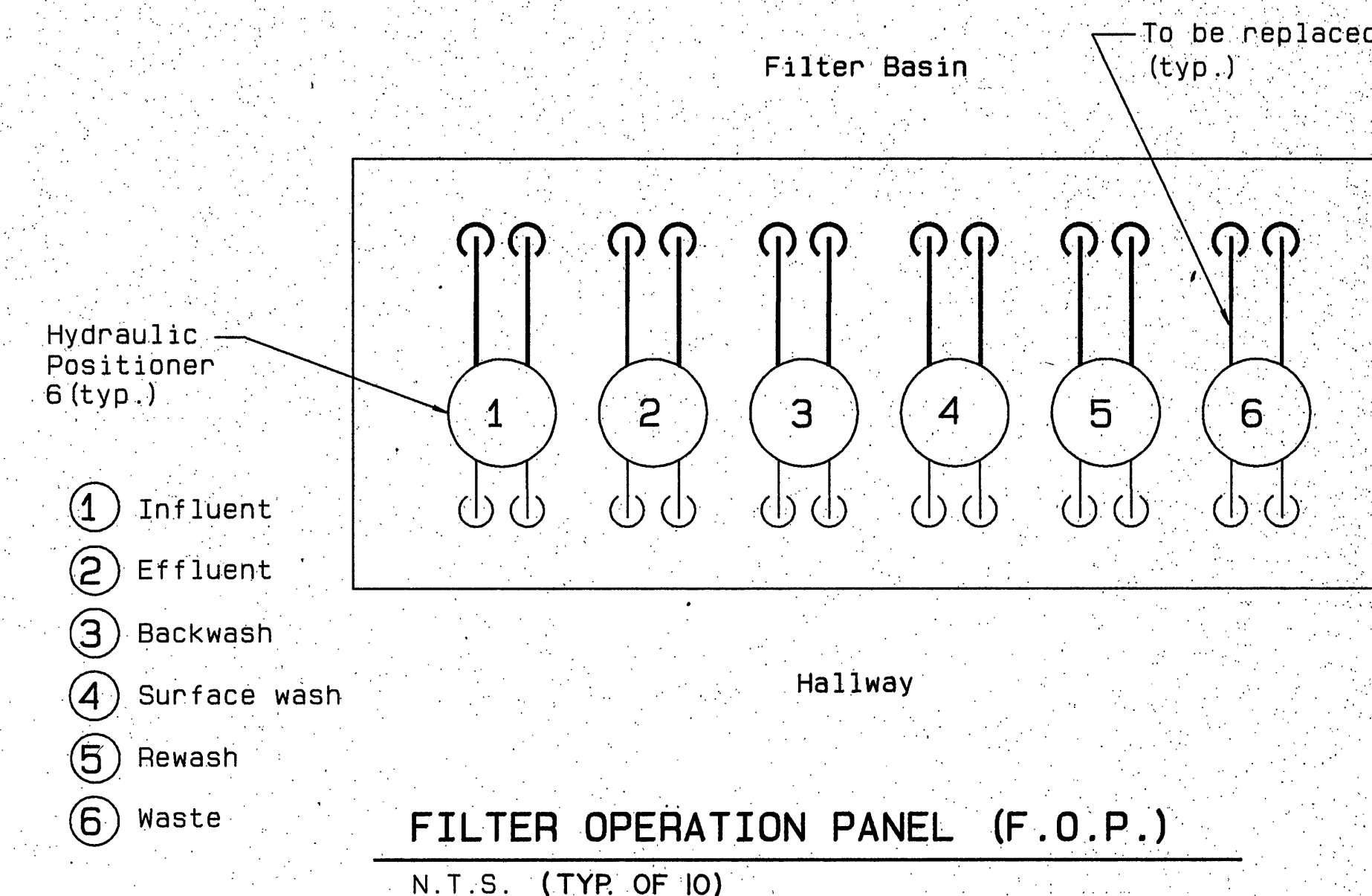


NOTE:
PIPING TYPICAL OF FOUR (4)
FILTERS. THEY INCLUDE:
FILTERS NO. 1, 2, 3 AND 4.

- LEGEND**
- ① INFLUENT - 3/4" COPPER
 - ② EFFLUENT - 3/4" COPPER
 - ③ WASH - 3/4" COPPER
 - ④ SURFACE WASH - 1/2" COPPER
 - ⑤ REWASH - 1/2" COPPER
 - ⑥ WASTE - 3/4" COPPER



ELEVATION
SCALE: 1/2" = 1'-0"



HYDRAULIC POSITIONER REPLACEMENT SCHEDULE

Replace the following hydraulic positioners located under the filter operating tables in the filter operating gallery with new hydraulic positioners:

Hydraulic Positioner	Filter No.										Total
	1	2	3	4	5	6	7	8	9	10	
Influent		X	X	X	X			X			5
Effluent	X	X	X	X			X	X			6
Backwash		X	X	X	X			X			5
Surface wash	X	X		X	X			X	X		6
Rewash	X	X	X	X	X			X			6
Waste	X	X	X	X				X			5
Total	4	6	5	6	4	0	1	6	1	0	33

NOTE:

- The Contractor shall furnish and install required fittings (adapter coupling, gaskets, etc.) for the replacement of each hydraulic positioner and pilot valve. Manufacturer shall be Roberts Filter Manufacturing Company Removeable Flanged 4-way disc type or equal. Roberts Filters, P.O. BOX 167 Darby, Pennsylvania, 19023. TEL. (703-583-3131), FAX (703-583-0117)

CONTRACT BID ITEMS 2 AND 3

MATTERN & CRAIG CONSULTING ENGINEERS • SURVEYORS ROANOKE VIRGINIA	DESIGNED: RFP		REV.	DATE	DESCRIPTION	BY	APP.	CARVINS COVE FILTER PLANT IMPROVEMENTS - PHASE I NEW CONTRACT ITEMS ROANOKE, VIRGINIA	DATE SEPT. 1994	
	DRAWN: TAM					DSG	RWB		COMM. NO. 1138C0	
ALVORD, BURDICK & HOWSON ENGINEERS CHICAGO	CHECKED: SWH								PIPING AND VALVES	SHEET C04