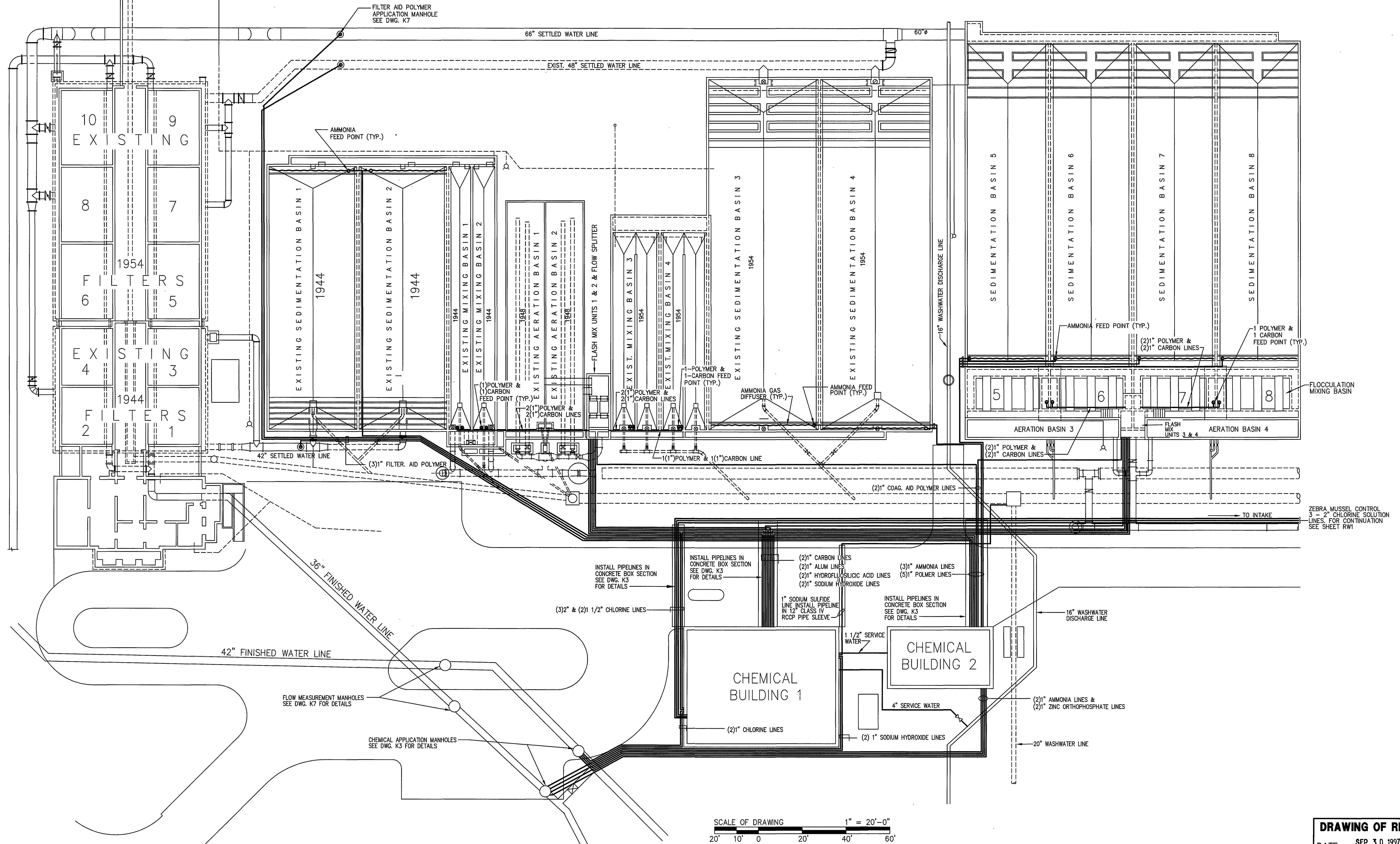




**DRAWING OF RECORD**  
DATE: SEP 30 1997

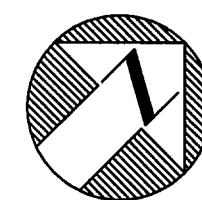
**MATTERN & CRAIG**  
CONSULTING ENGINEERS • SURVEYORS  
ROANOKE VIRGINIA

**ALVORD, BURDICK & HOWSON**  
ENGINEERS CHICAGO

DESIGNED:

DRAWN: H.F.  
R.T.

CHECKED: Y.T.L.



| REV. | DATE    | DESCRIPTION                            | BY  | APP. |
|------|---------|----------------------------------------|-----|------|
| 1    | 1/15/93 | ADD ZEBRA MUSSEL CONTROL SYSTEM-PIPING | KHC |      |
|      |         |                                        |     |      |
|      |         |                                        |     |      |
|      |         |                                        |     |      |
|      |         |                                        |     |      |

**CARVINS COVE FILTER PLANT IMPROVEMENTS - PHASE I**  
ROANOKE, VIRGINIA

**CHEMICAL YARD PIPING PLAN**

DATE  
JULY 1992  
COMM. NO.  
9130  
SHEET  
K5