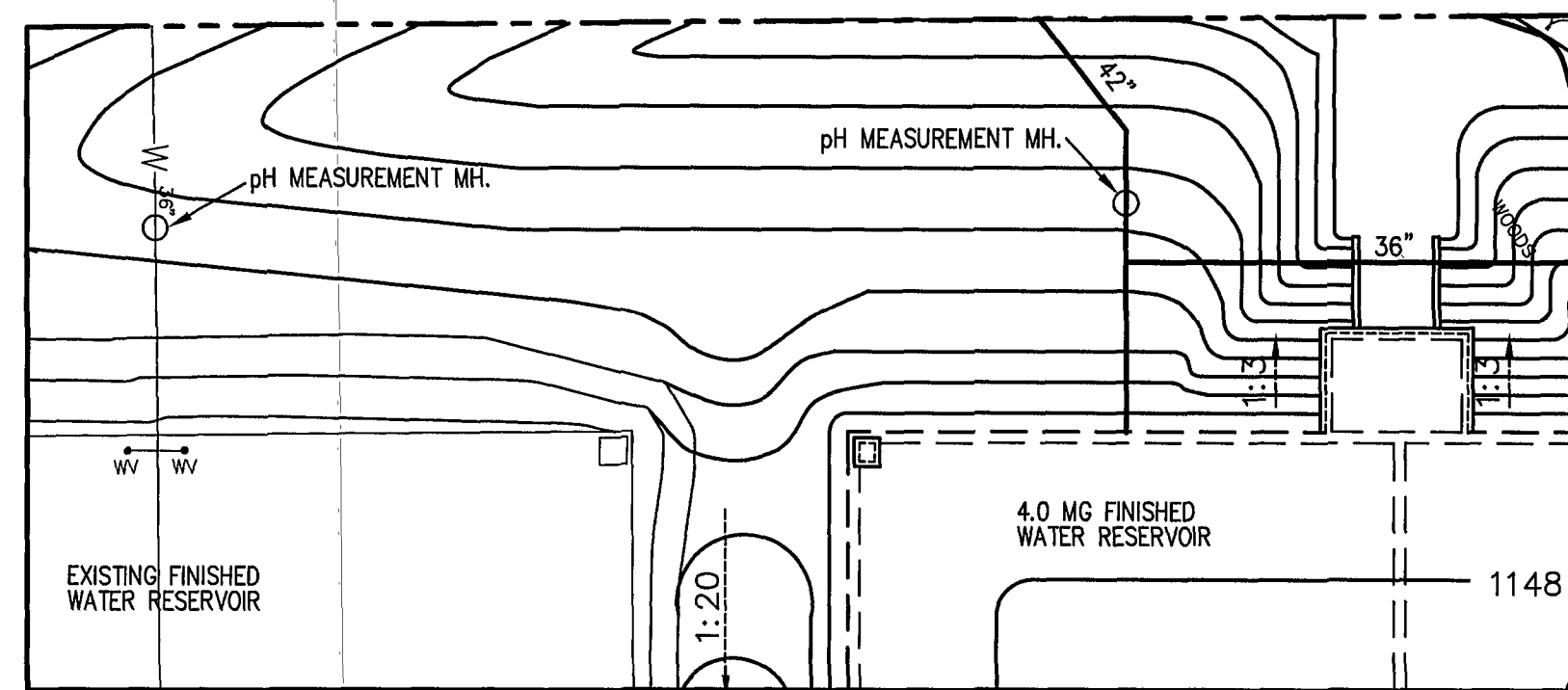
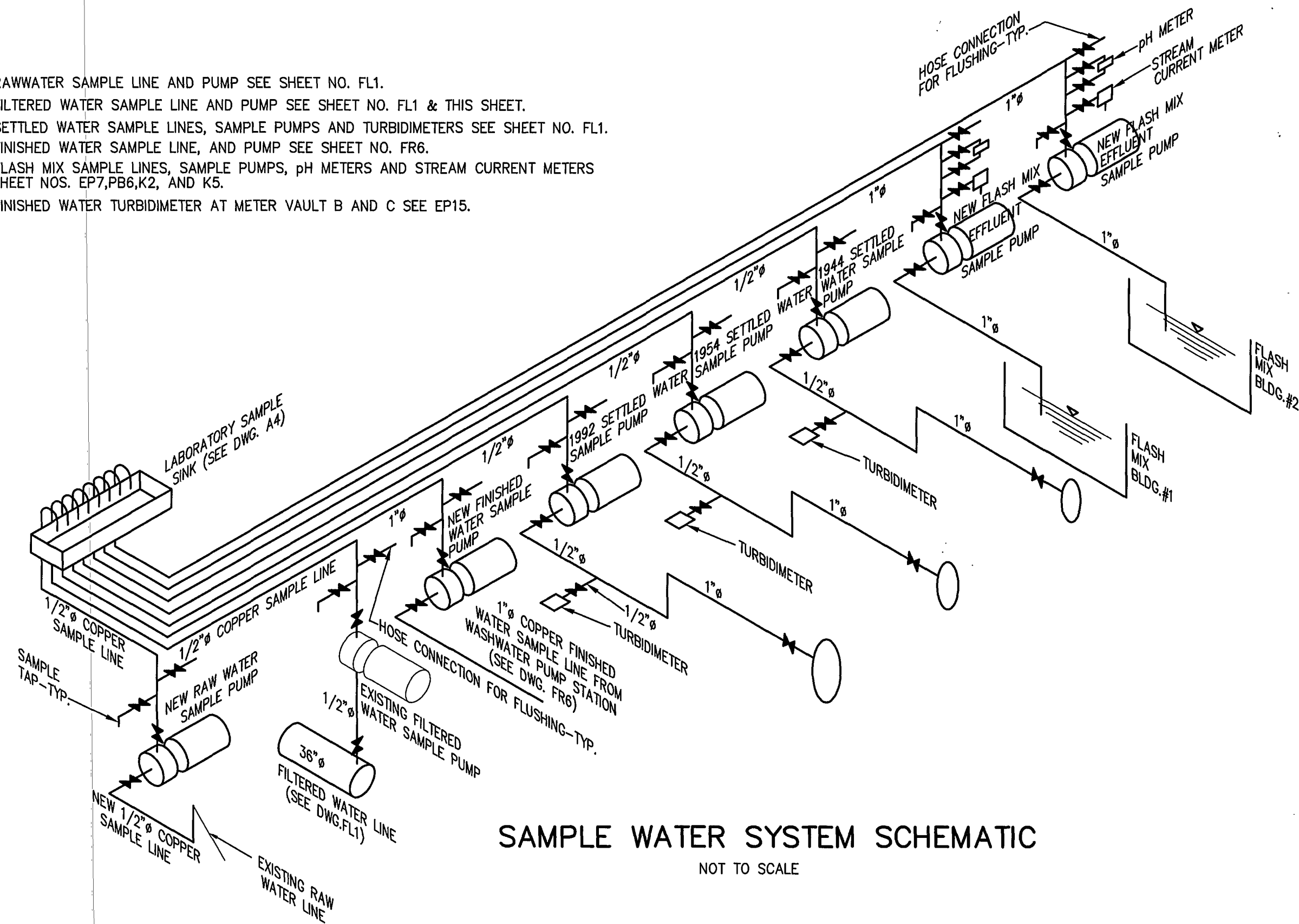
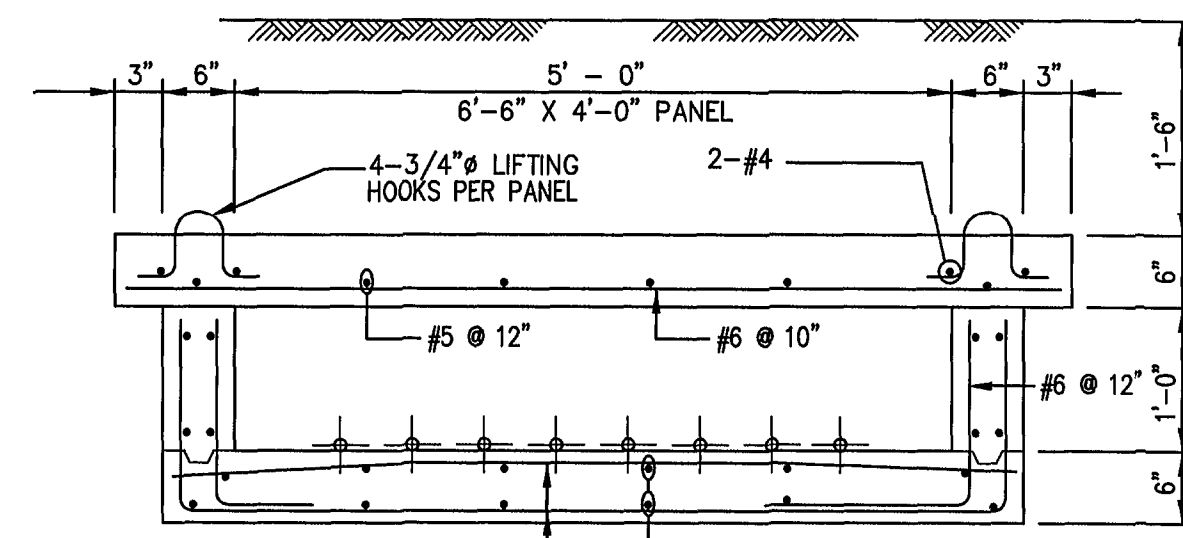


NOTES:

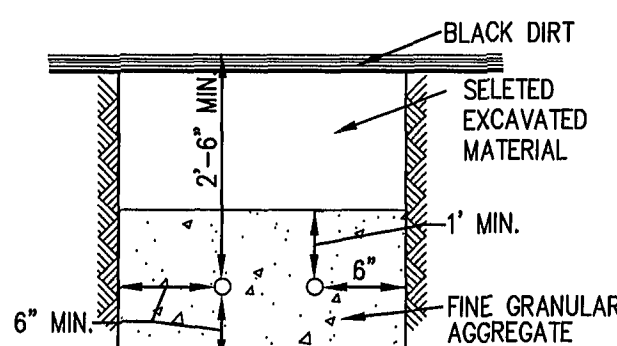
1. FOR RAW WATER SAMPLE LINE AND PUMP SEE SHEET NO. FL1.
2. FOR FILTERED WATER SAMPLE LINE AND PUMP SEE SHEET NO. FL1 & THIS SHEET.
3. FOR SETTLED WATER SAMPLE LINES, SAMPLE PUMPS AND TURBIDIMETERS SEE SHEET NO. FL1.
4. FOR FINISHED WATER SAMPLE LINE, AND PUMP SEE SHEET NO. FR6.
5. FOR FLASH MIX SAMPLE LINES, SAMPLE PUMPS, pH METERS AND STREAM CURRENT METERS SEE SHEET NOS. EP7, PB6, K2, AND K5.
6. FOR FINISHED WATER TURBIDIMETER AT METER VAULT B AND C SEE EP15.



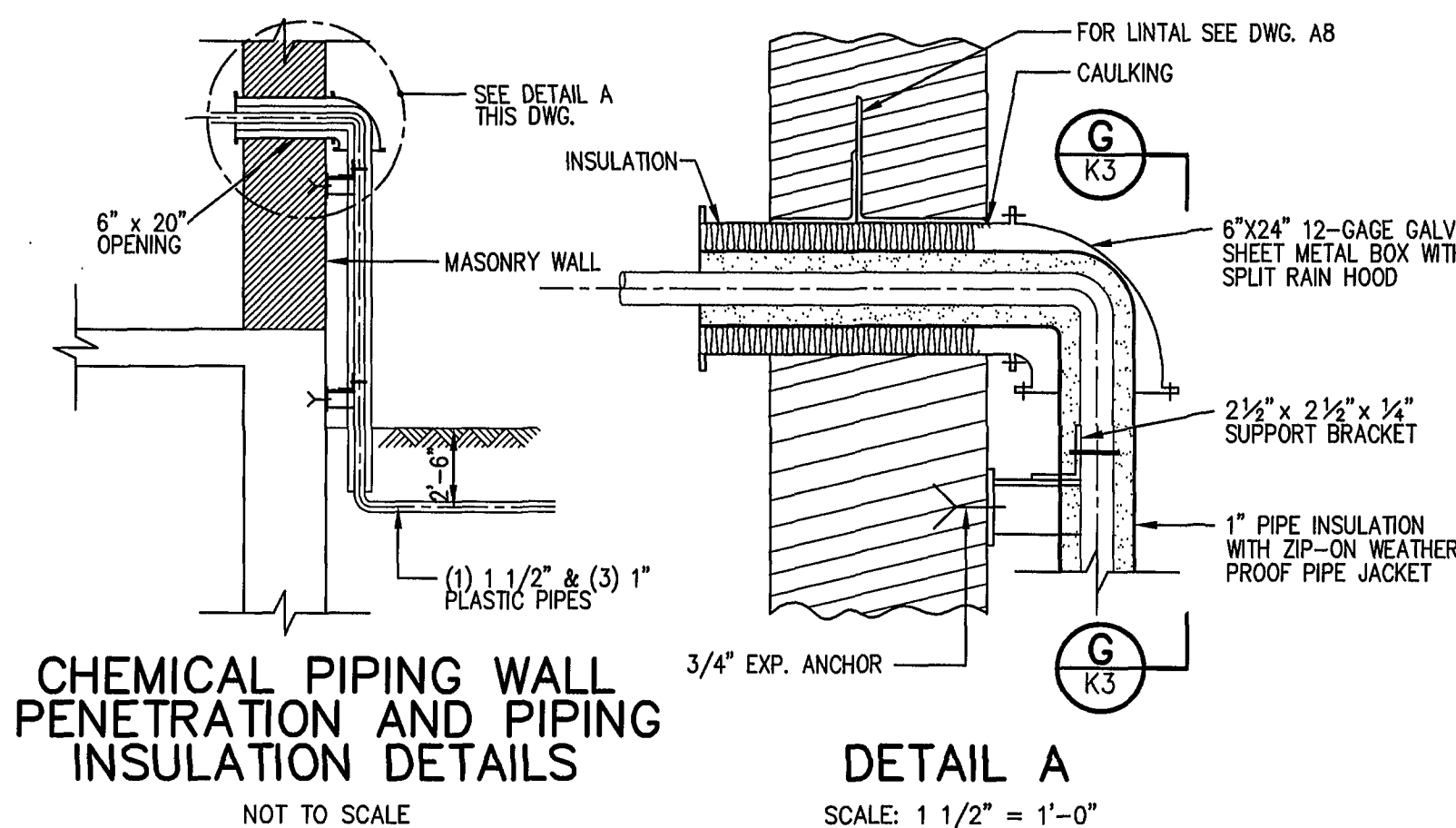
PARTIAL YARD PIPING PLAN AT RESERVOIRS
SCALE: 1"=30'-0"



TRENCH BENEATH ROADWAY
SCALE: 3/4"=1'-0"

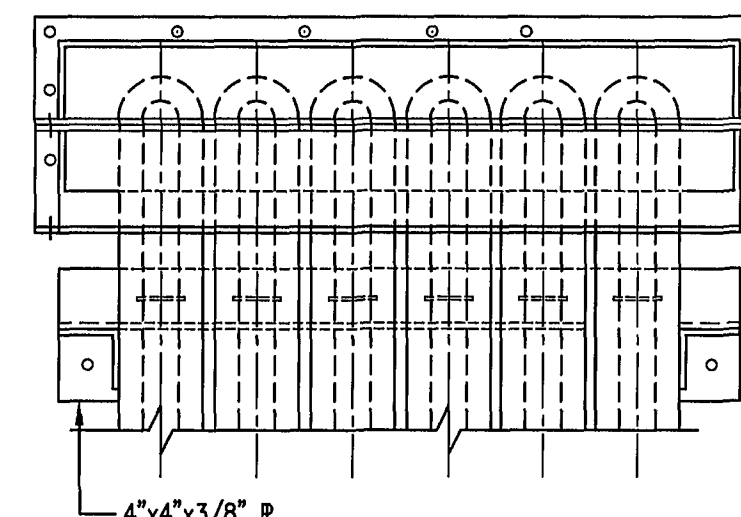


TRENCH IN GRASSY AREAS
NOT TO SCALE

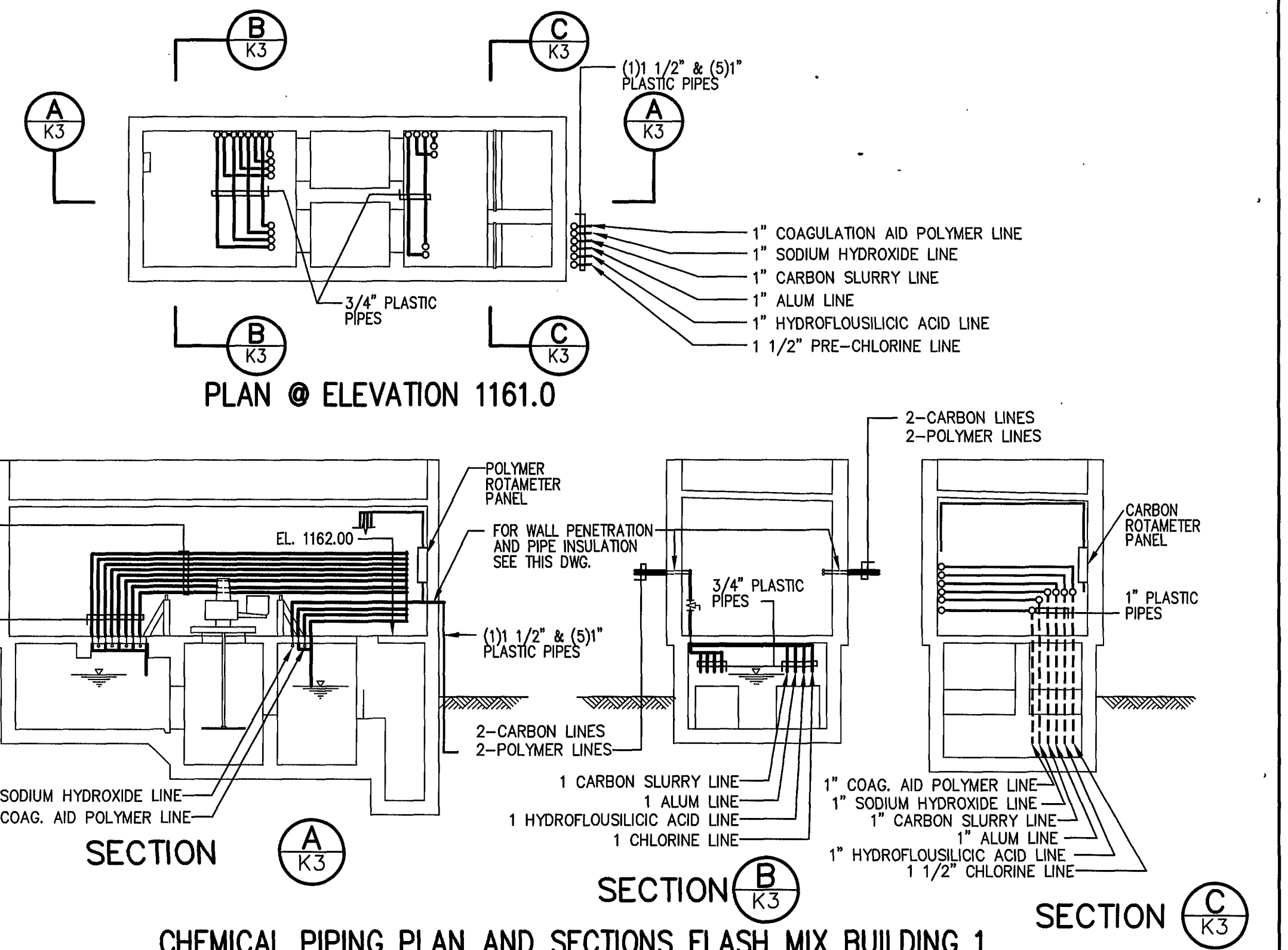


CHEMICAL PIPING WALL PENETRATION AND PIPING INSULATION DETAILS
NOT TO SCALE

DETAIL A
SCALE: 1 1/2" = 1'-0"

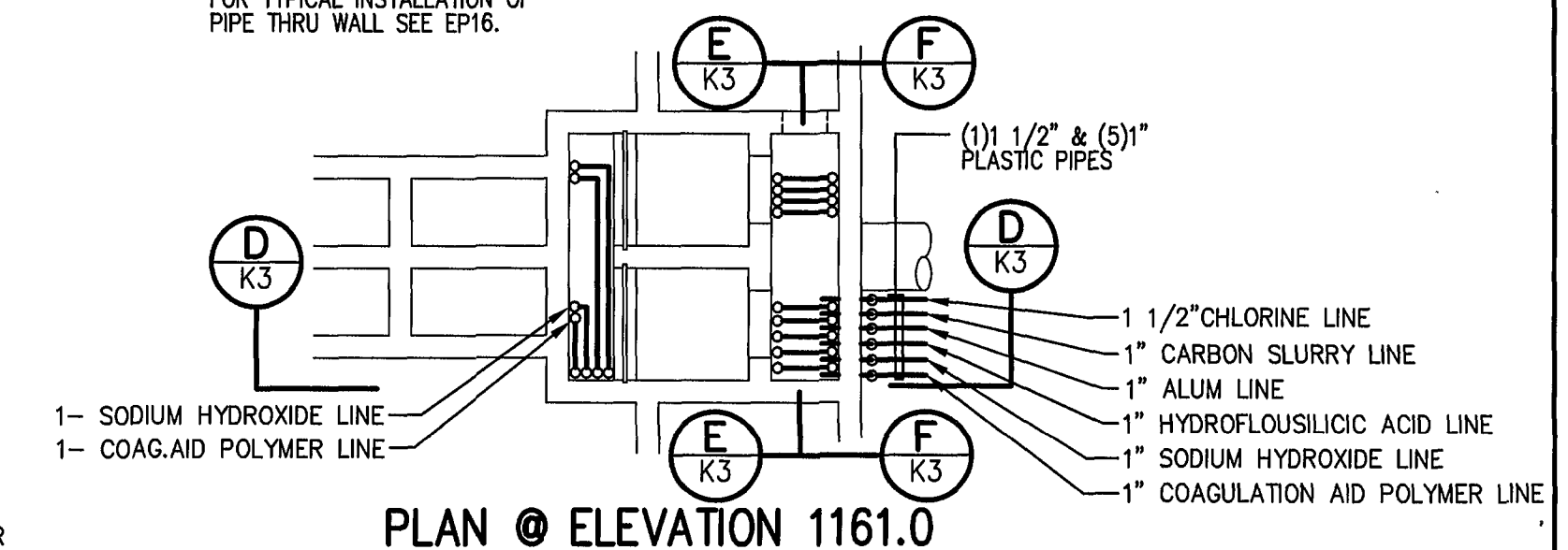


SECTION G
SCALE: 1 1/2" = 1'-0"



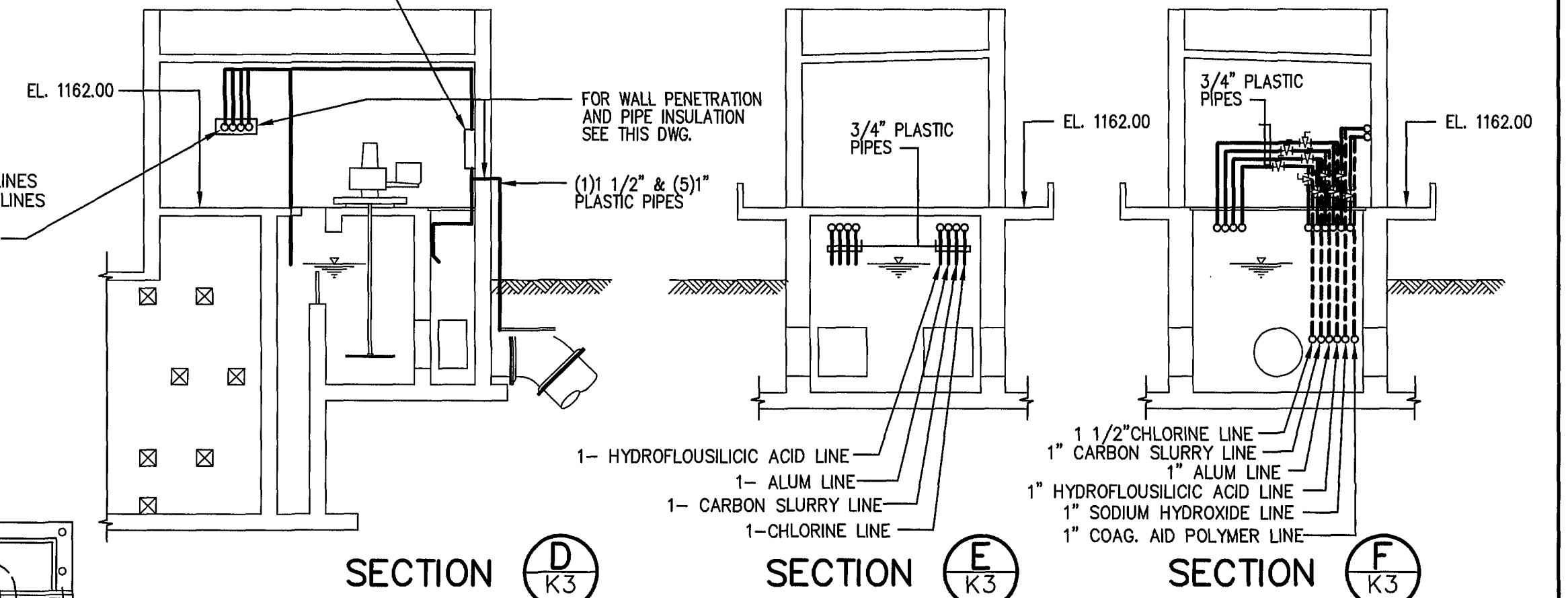
CHEMICAL PIPING PLAN AND SECTIONS FLASH MIX BUILDING 1
SCALE: 1/8"=1'-0"

FOR SUPERSTRUCTURE SEE DWG. A13
FOR TYPICAL INSTALLATION OF
PIPE THRU WALL SEE EP16.



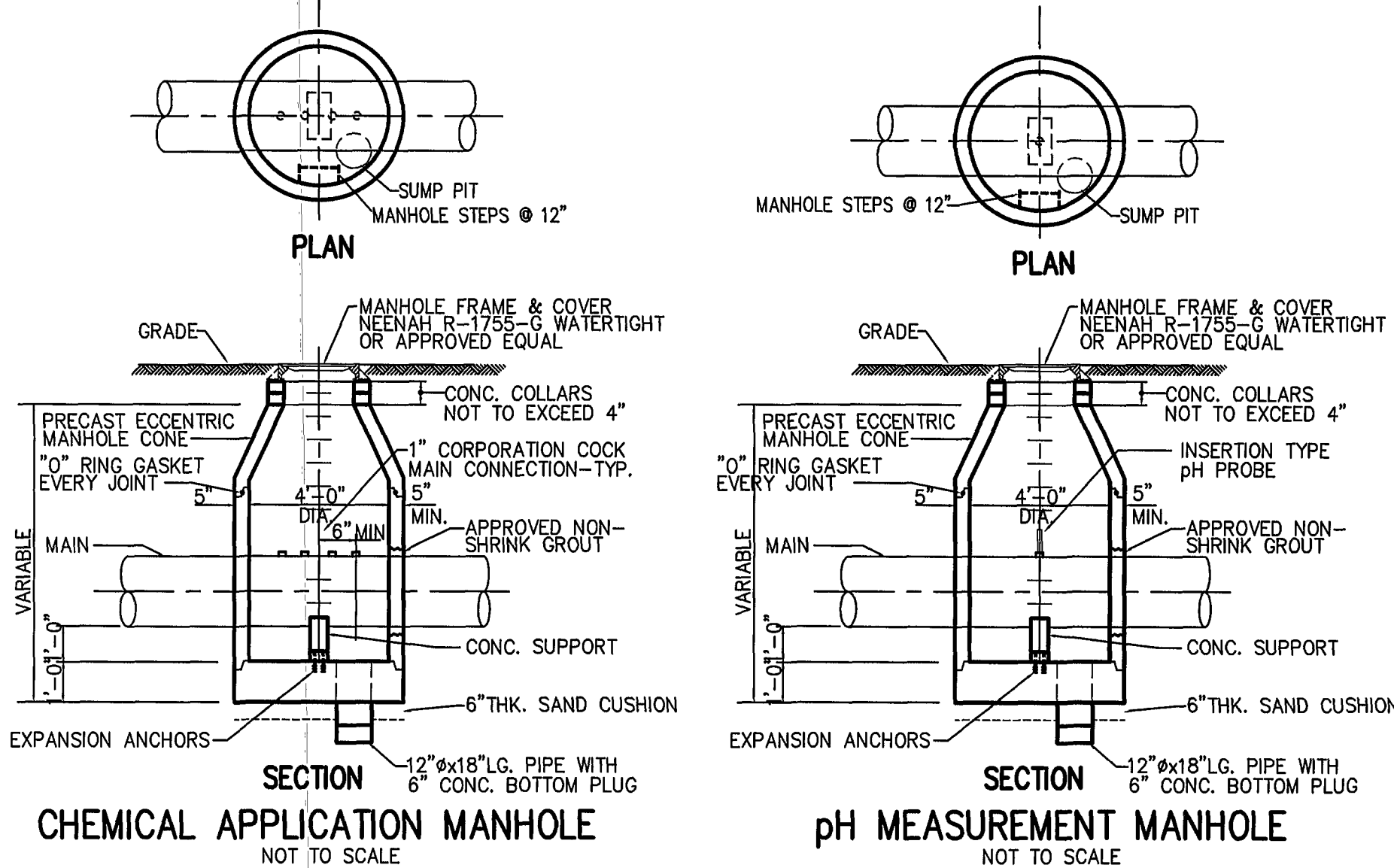
CHEMICAL PIPING PLAN AND SECTIONS FLASH MIX BUILDING 2
SCALE: 1/8"=1'-0"

FOR SUPERSTRUCTURE SEE DWG. A13
FOR TYPICAL INSTALLATION OF
PIPE THRU WALL SEE EP16.



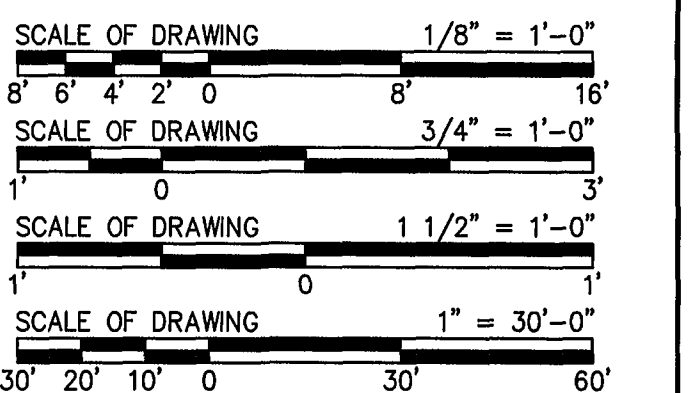
CHEMICAL PIPING PLAN AND SECTIONS FLASH MIX BUILDING 2
SCALE: 1/8"=1'-0"

FOR SUPERSTRUCTURE SEE DWG. A13
FOR TYPICAL INSTALLATION OF
PIPE THRU WALL SEE EP16.



CHEMICAL APPLICATION MANHOLE
NOT TO SCALE

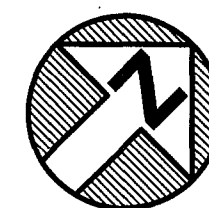
pH MEASUREMENT MANHOLE
NOT TO SCALE



MATTEN & CRAIG
CONSULTING ENGINEERS • SURVEYORS
ROANOKE VIRGINIA

ALVORD, BURDICK & HOWSON
ENGINEERS CHICAGO

DESIGNED: C.L.
K.H.C.
DRAWN: H.F.
R.T.
CHECKED: Y.T.L.



COMMONWEALTH OF VIRGINIA
YA-TAI LIN
NO. 022786
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY	APP.

CARVINS COVE FILTER PLANT IMPROVEMENTS - PHASE I
ROANOKE, VIRGINIA

CHEMICAL PIPING PLANS, SECTIONS & DETAILS

DATE
JULY 1992
COMM. NO.
9130
SHEET
K3