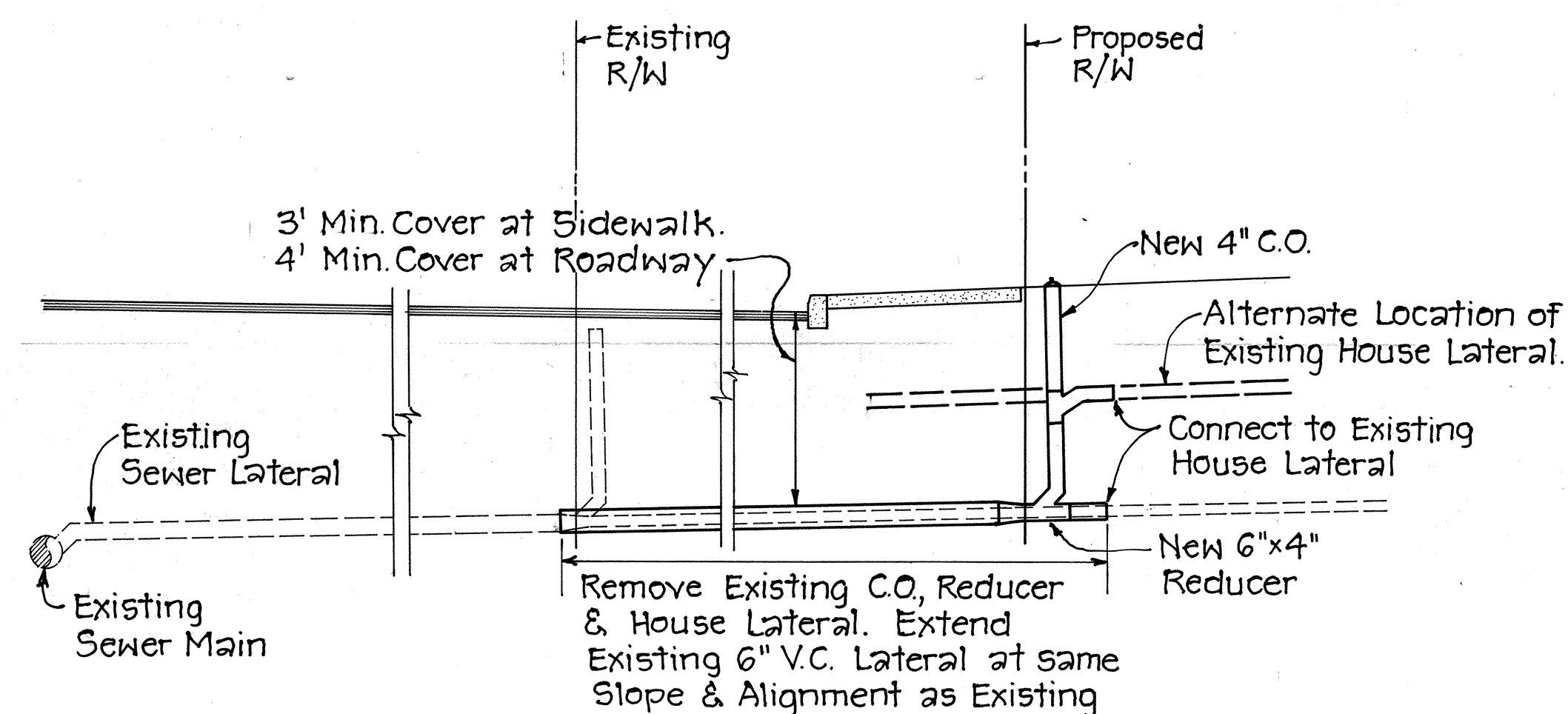
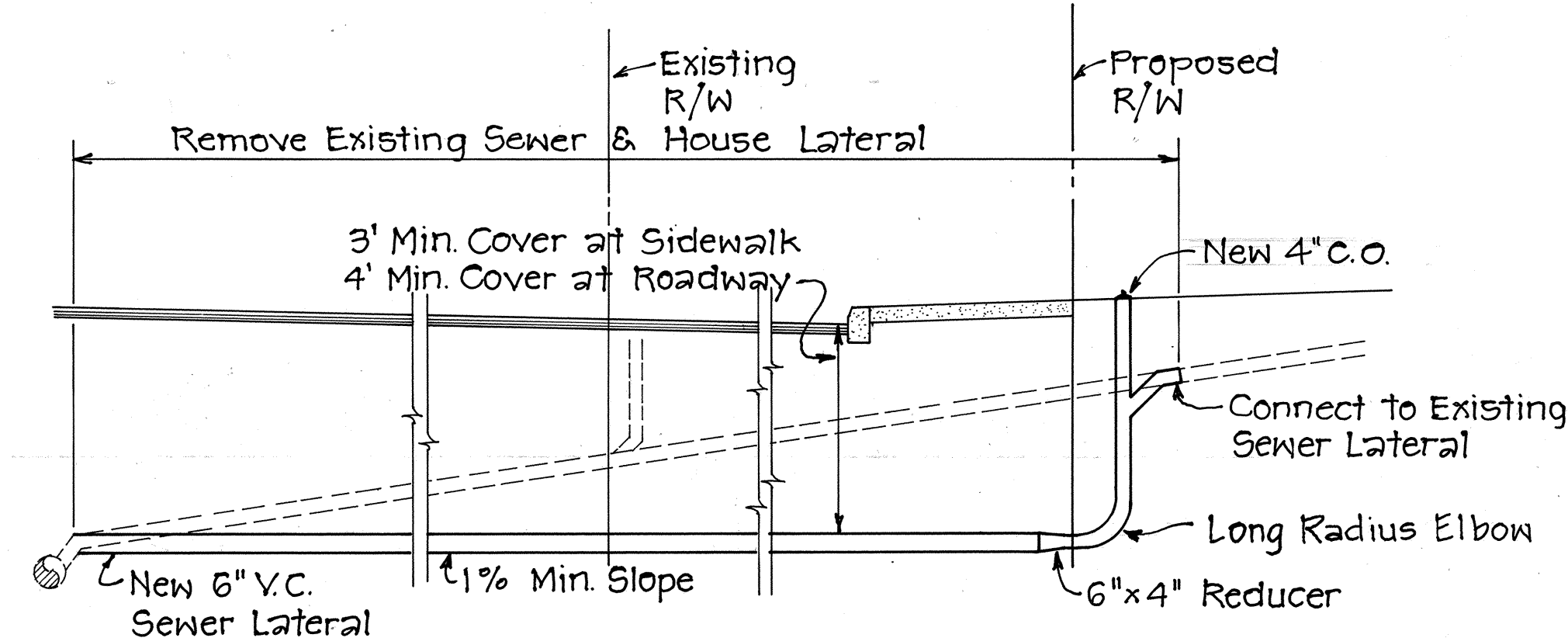
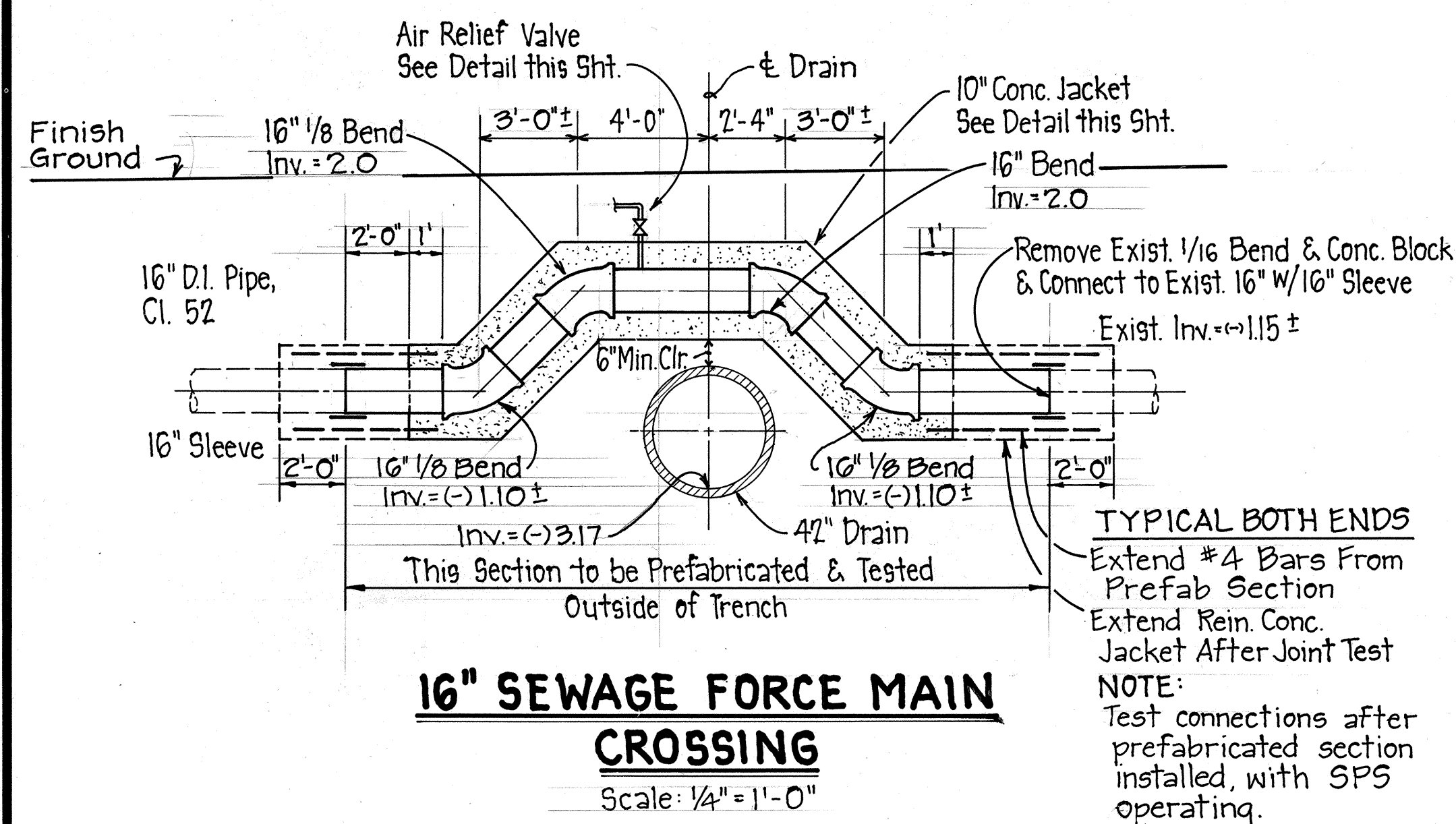




SEWER LATERAL EXTENSION TYPE A

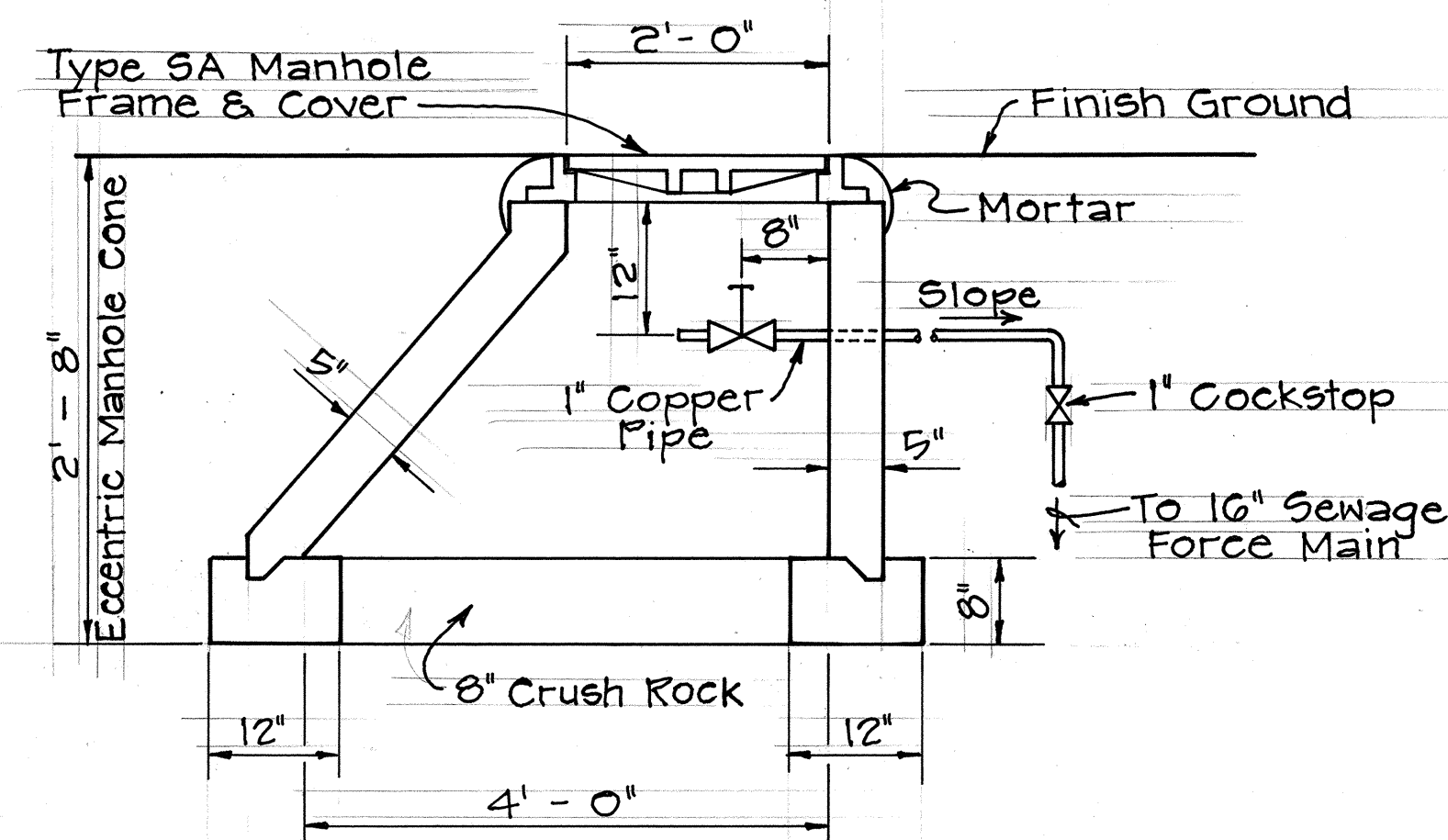


SEWER LATERAL EXTENSION TYPE B



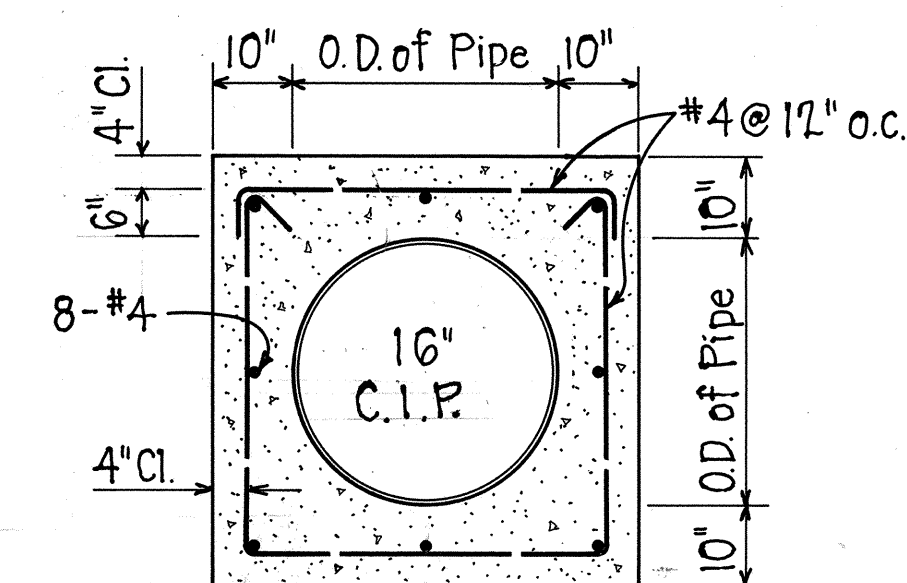
16" SEWAGE FORCE MAIN CROSSING

Scale: $\frac{1}{4}" = 1'-0"$



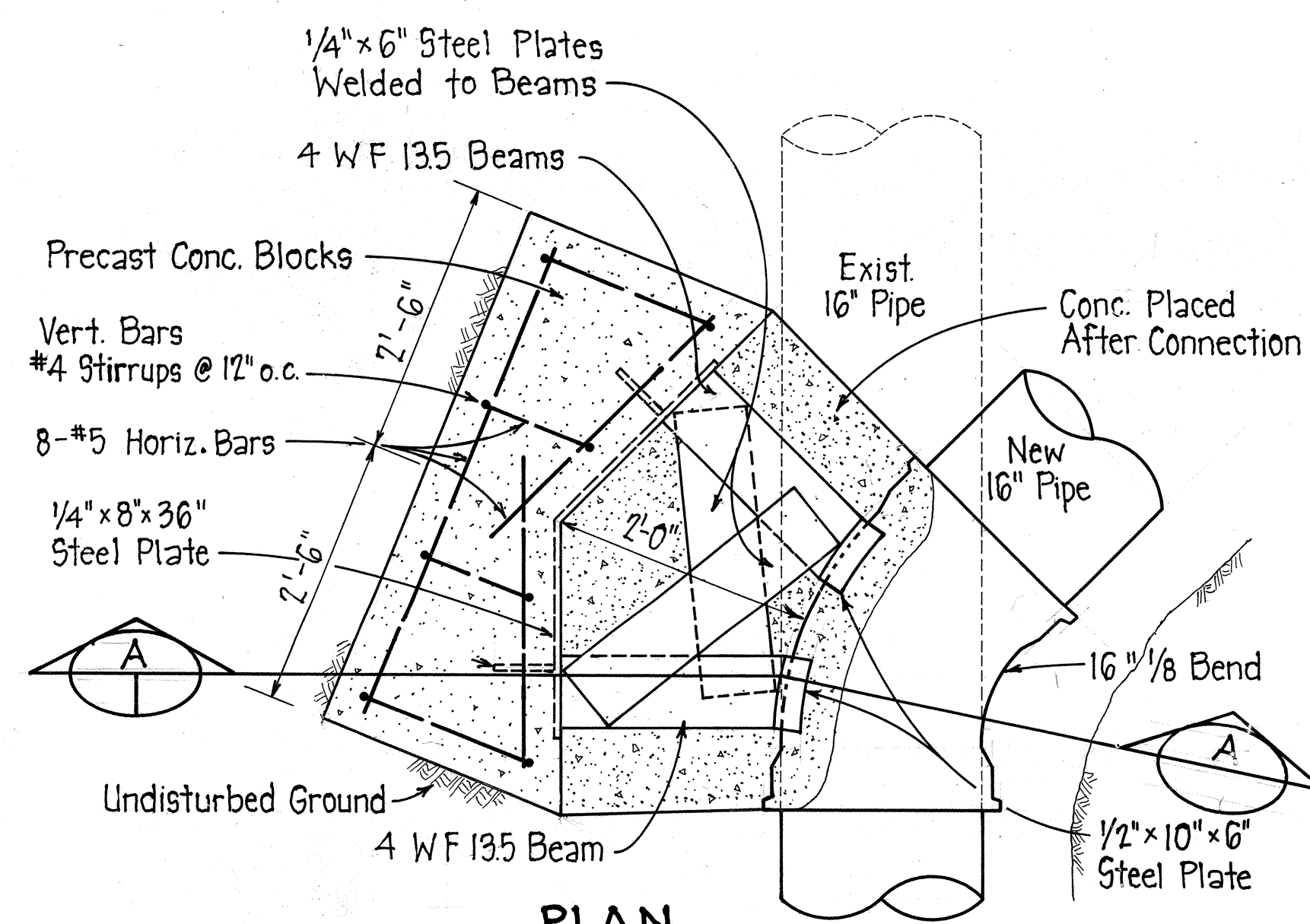
AIR RELIEF VALVE MANHOLE

Scale: $3/4" = 1' - 0'$



REINFORCED CONCRETE JACKET

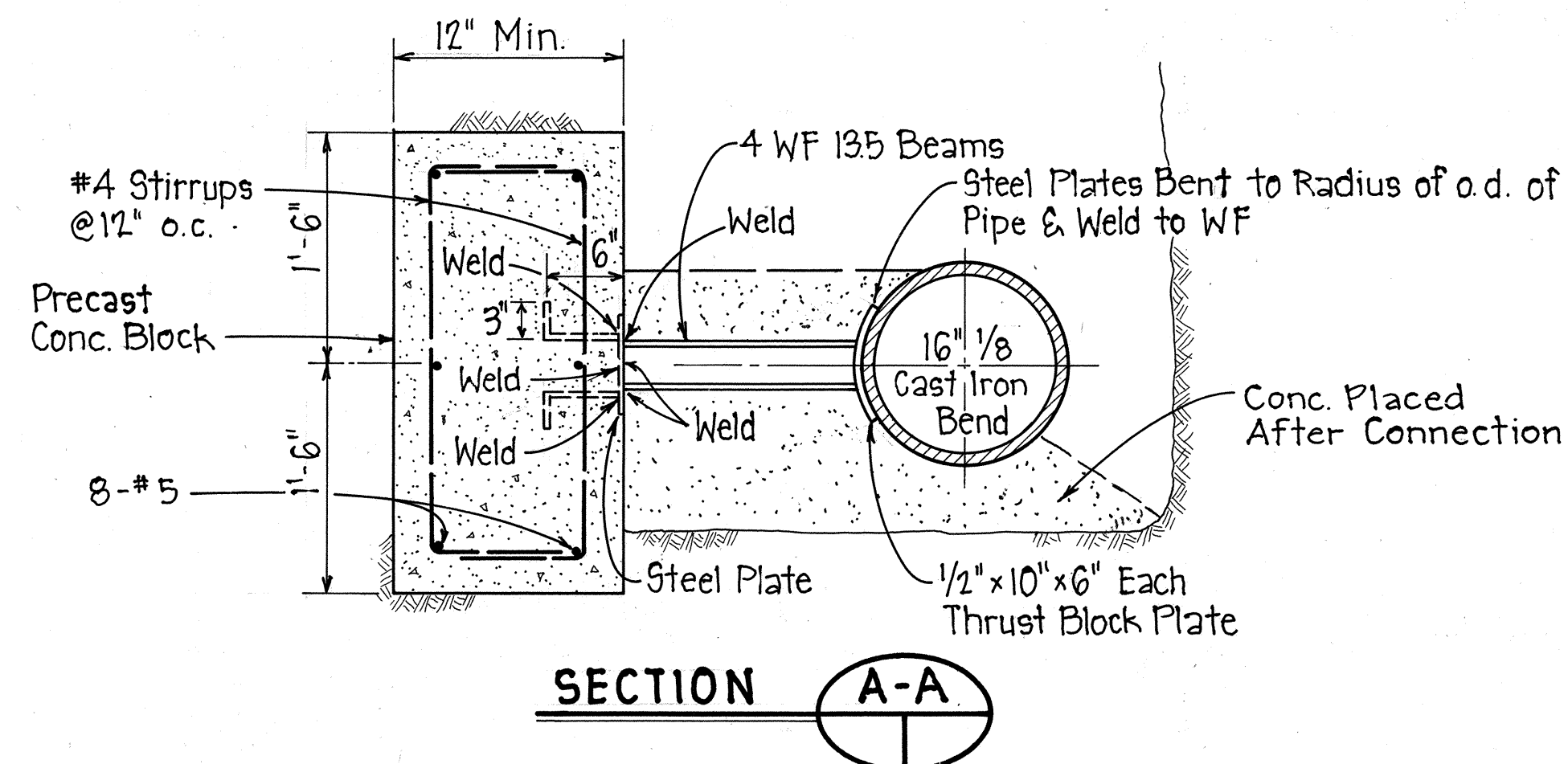
Not to Scale



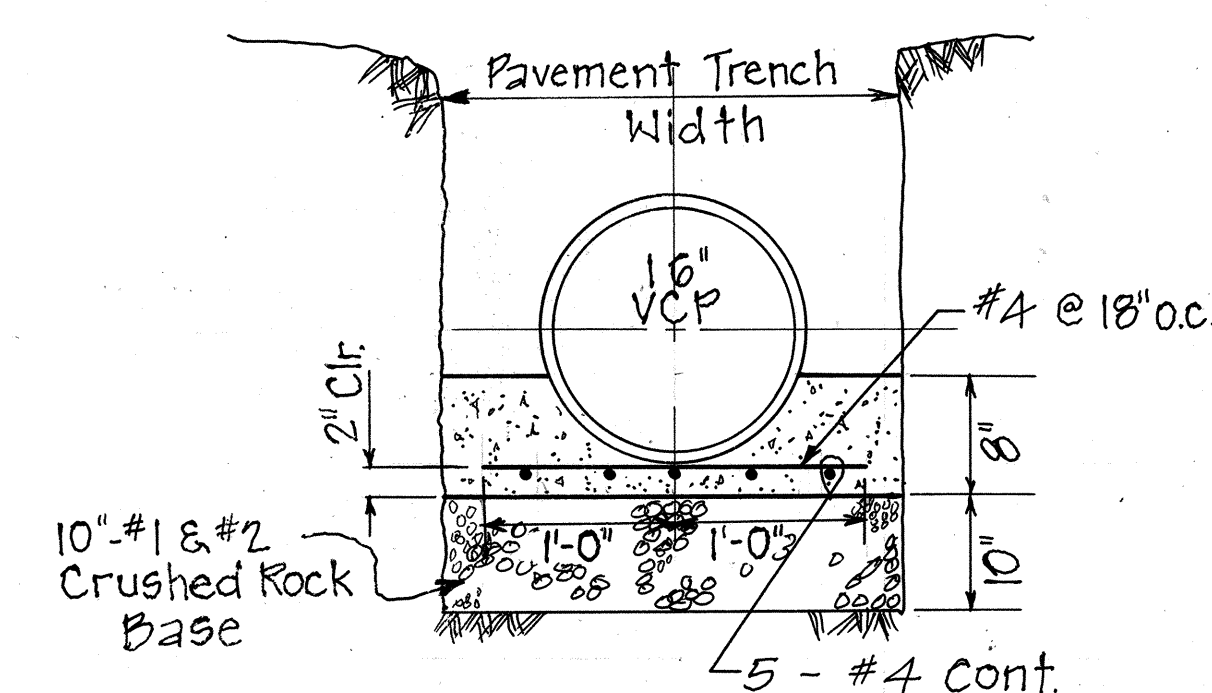
PLAN

CONC. BLOCK w/ STRUCTURAL STRUCTS

Scale: 1" = 1'-0"



SECTION



DETAIL OF REINFORCED CONCRETE CRADLE

Not to Scale

APPROVED BY:

G. Uyama
CHIEF, DIVISION OF WASTEWATER
MANAGEMENT DEPARTMENT OF
PUBLIC WORKS
CITY AND COUNTY OF HONOLULU

3/16/90
DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SEWER DETAILS

KALANIANA'OLE HIGHWAY
E. HIND DR. TO E. HALEMAUMAU ST.

F. A. PROJECT NO. F-072-1(34)B

SCALE : AS NOTED DATE: _____

SHEET No. 18 OF 19 SHEETS