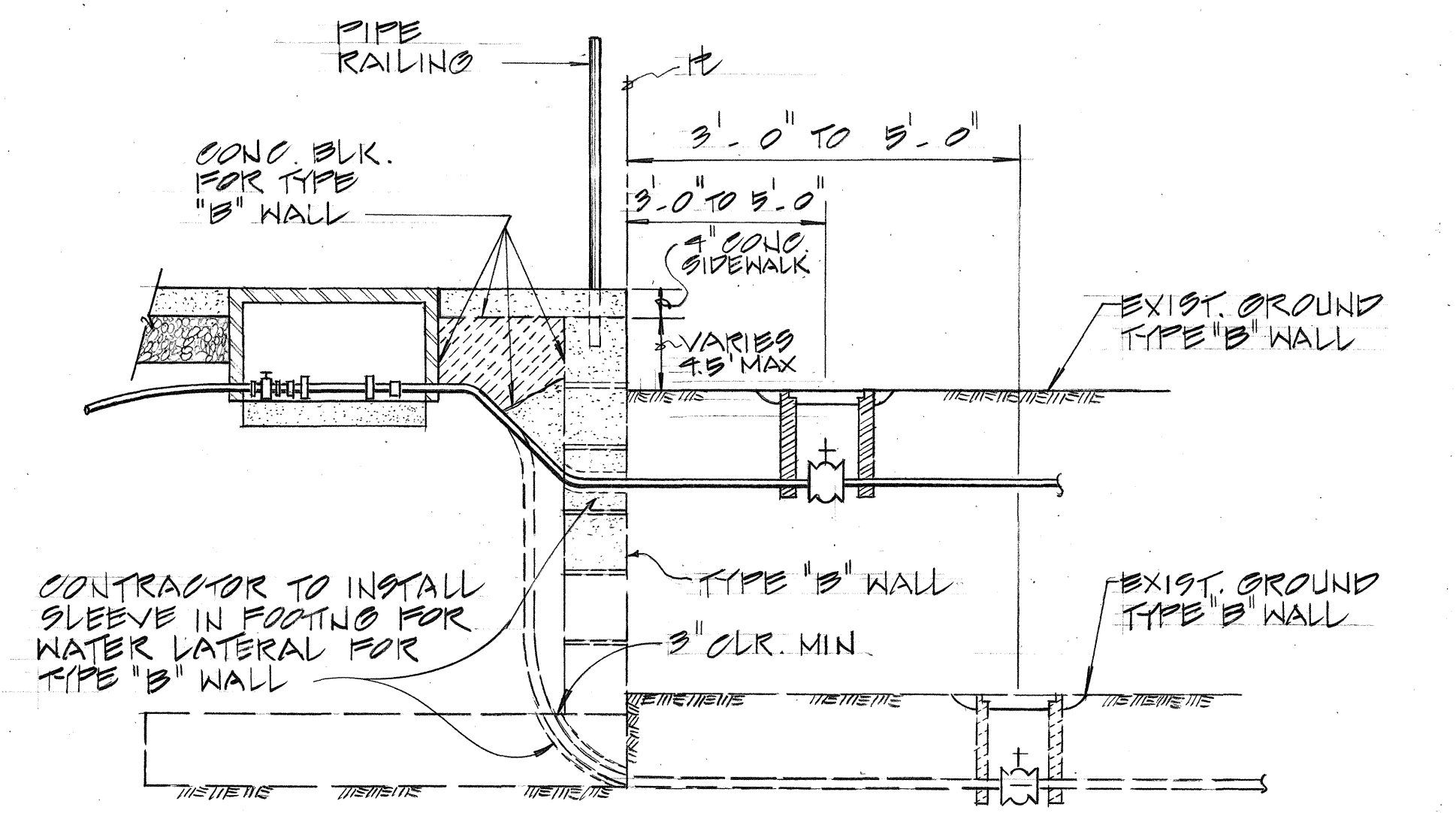
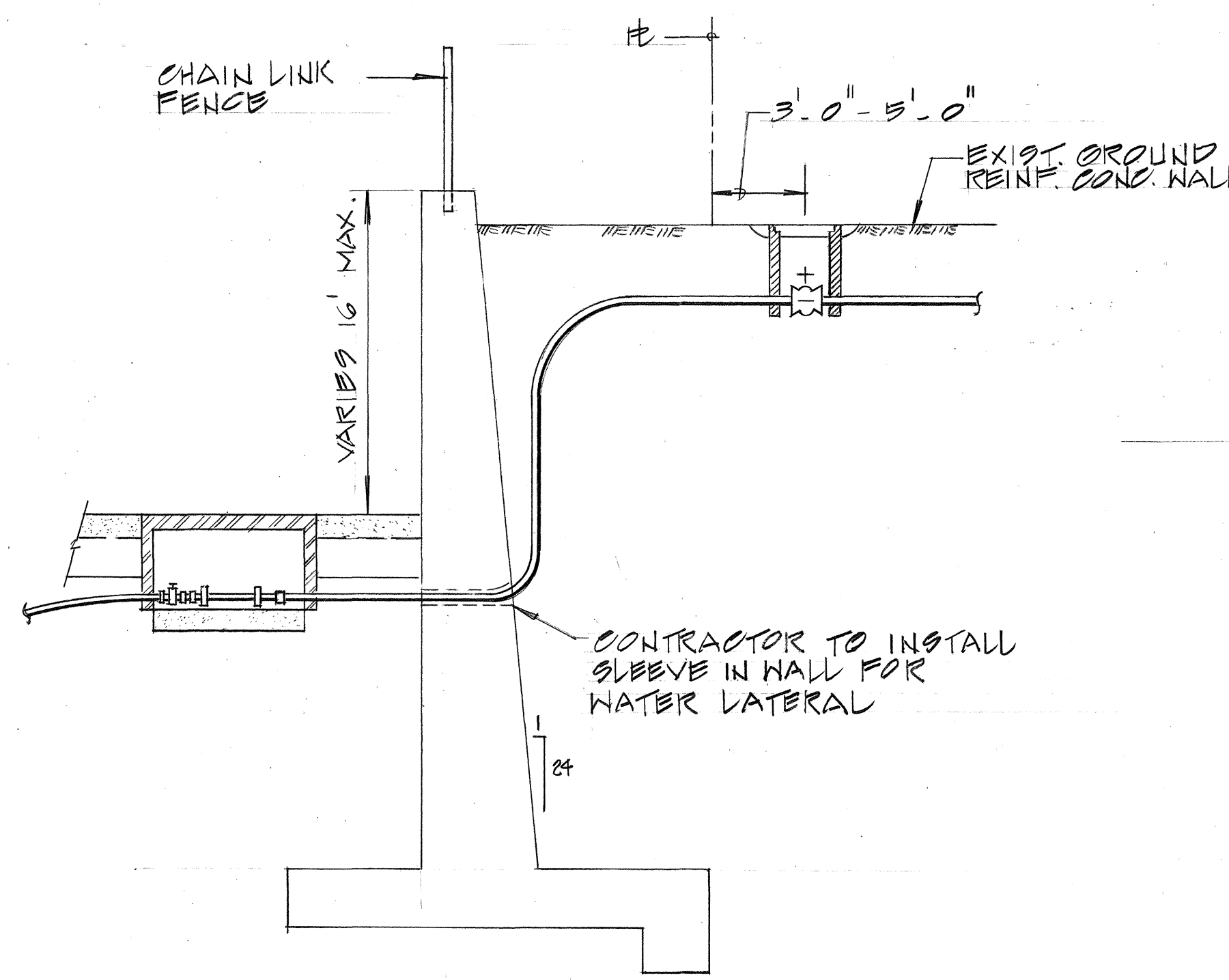


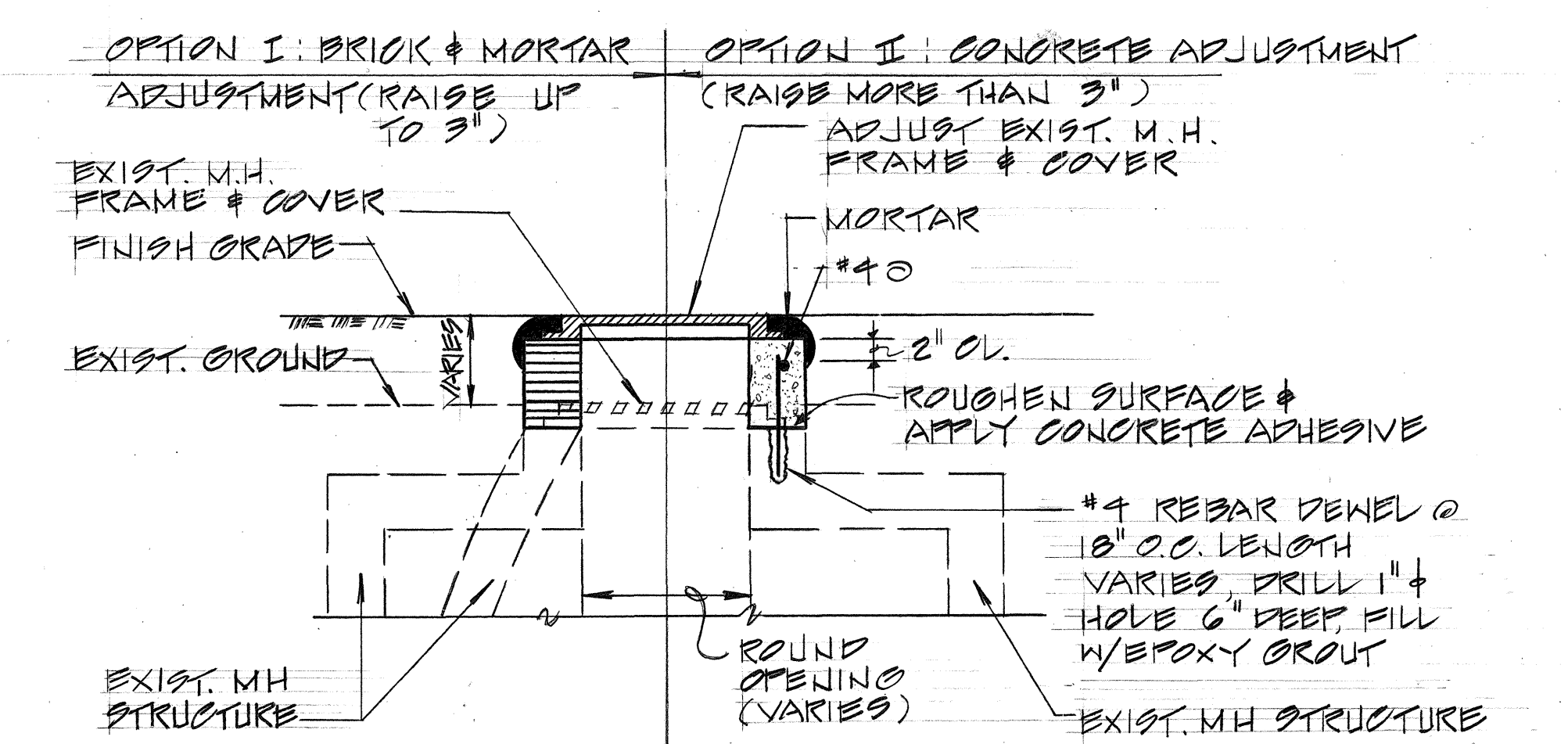
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-072-1(35)	1993	162	340



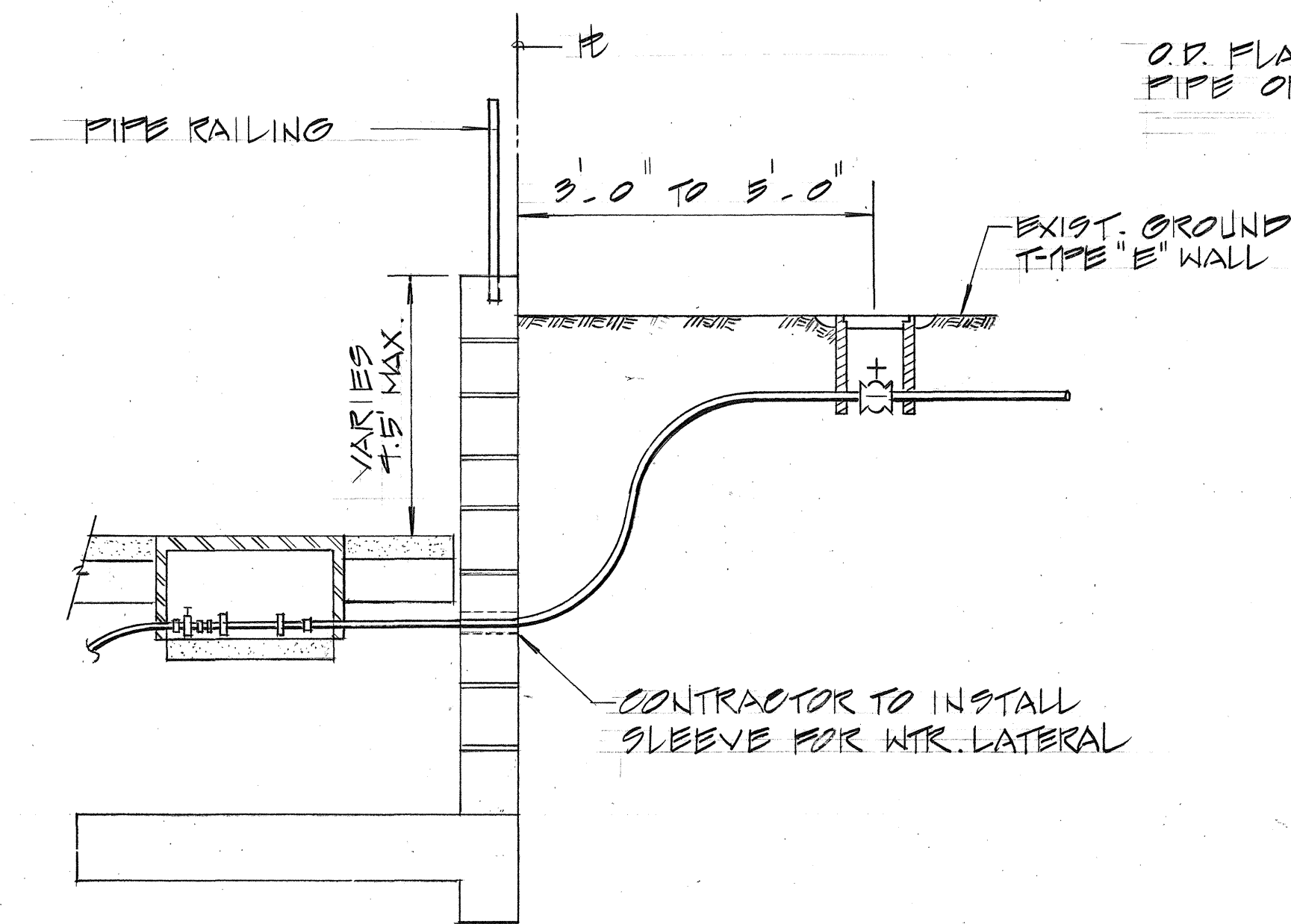
TYP. CONNECTION AT TYPE "B" SIDEWALK WALL
N.T.S.



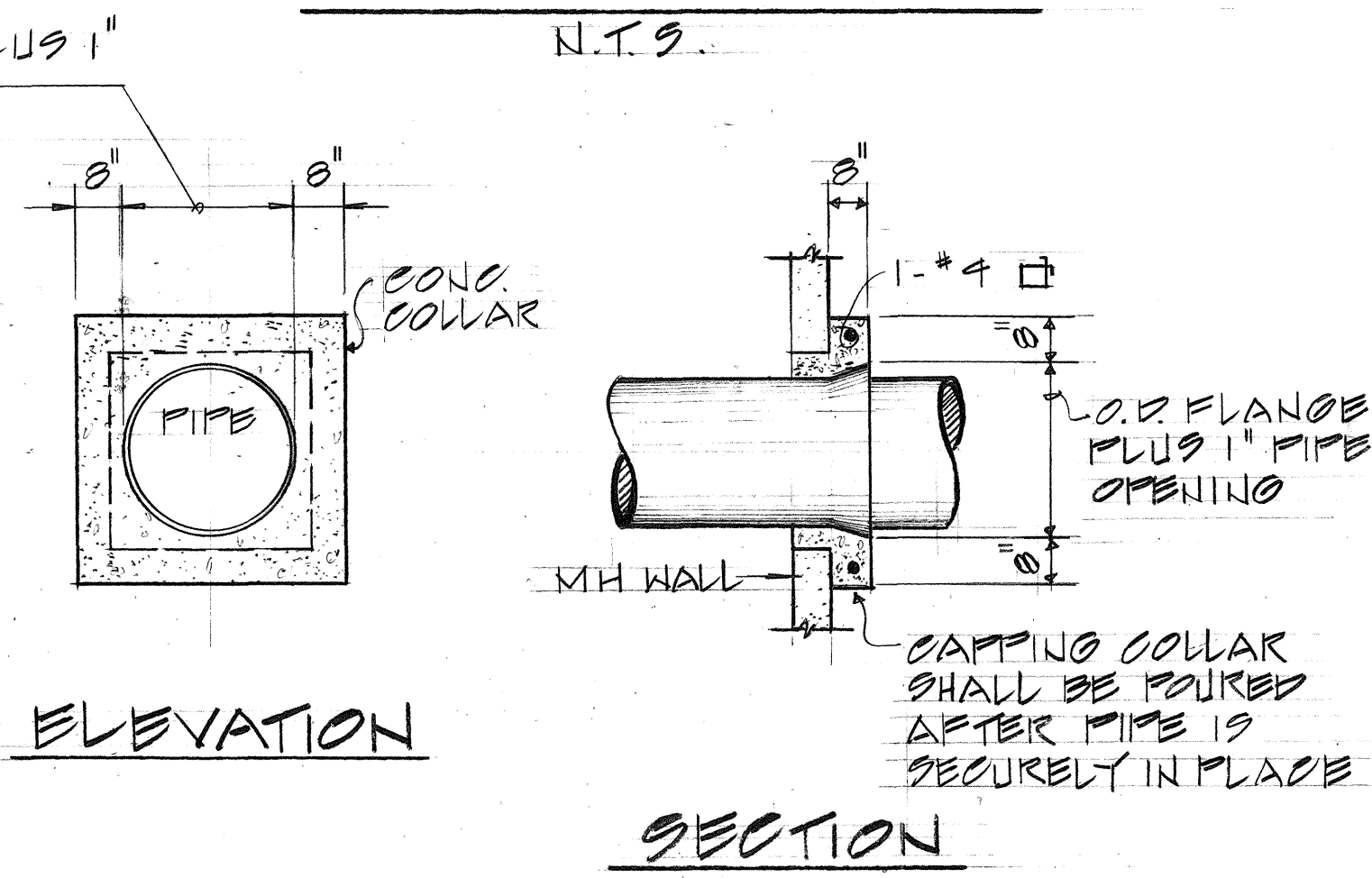
TYP. CONNECTION AT REINF. CONC. SIDEWALK WALL
N.T.S.



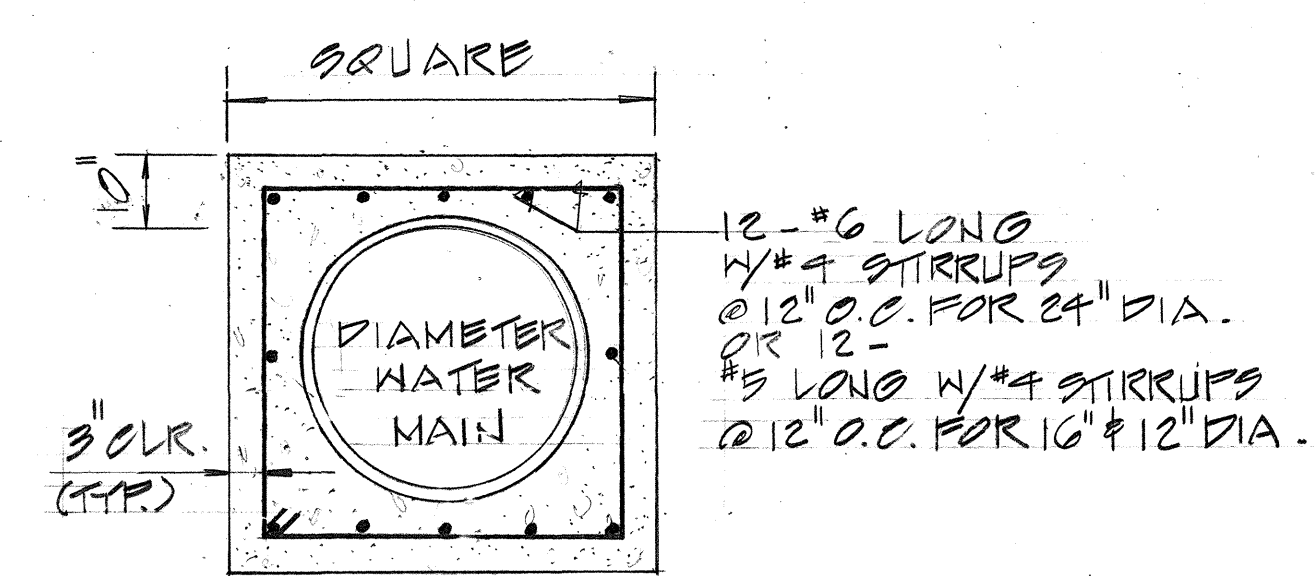
WATER M.H. ADJUSTMENT DETAIL
N.T.S.



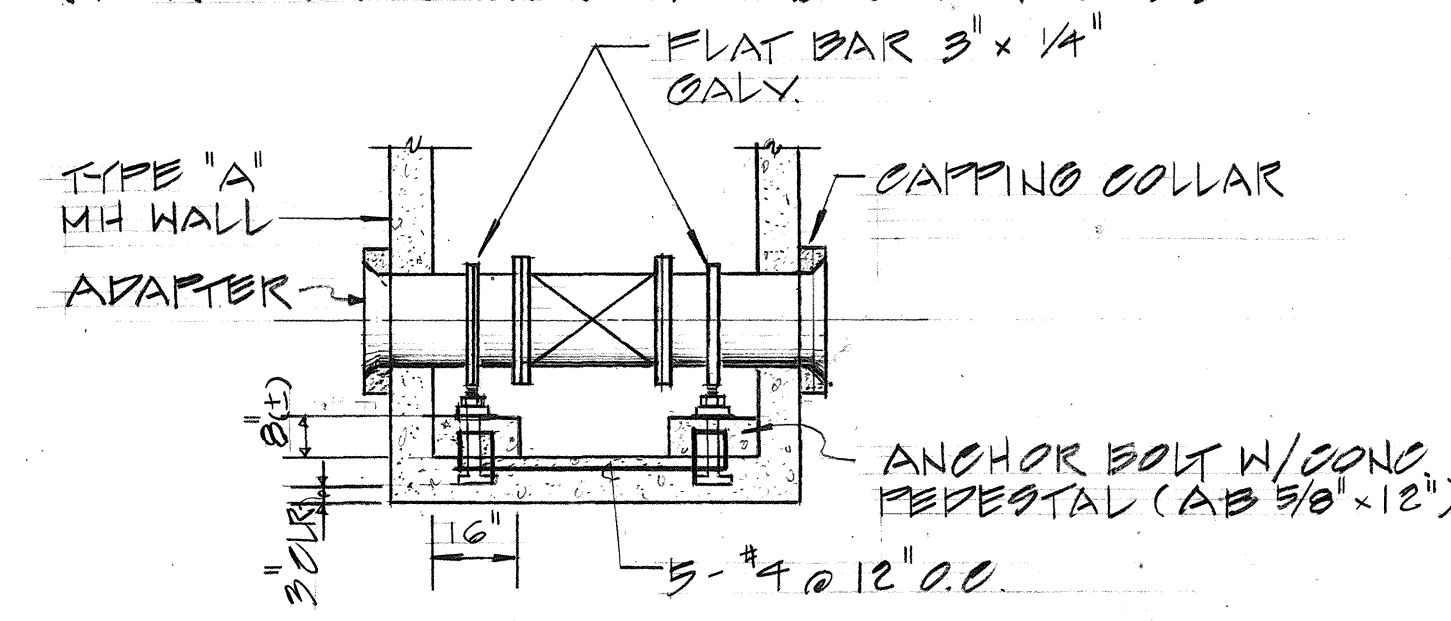
TYP. CONNECTION AT TYPE "E" SIDEWALK WALL
N.T.S.



CAPPING COLLAR DETAILS
(FOR TYPE "A" BUTTERFLY VALVE MANHOLE)



WATER MAIN REINFORCED CONCRETE JACKET SPECIAL
N.T.S.



BUTTERFLY VALVE ANCHOR BLOCK
(FOR PVC PIPE @ REINF. CONC. TYPE "A" MANHOLE)
N.T.S.

NOTE: SEE STANDARD DETAILS FOR REMAINDER OF MANHOLE DETAILS

APPROVED: *[Signature]* DATE: 11-17-93
CHIEF, PLANNING AND ENGINEERING BOARD OF WATER SUPPLY



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WATER DETAILS

KALANIANA'OLE HIGHWAY
E. HALEMAUMAU ST. TO KEAHOE ST.
F.A. PROJECT NO. STP-072-1 (35)
Scale: NH- Date: 10/1/92

SHEET NO. 162 OF 20 SHEETS