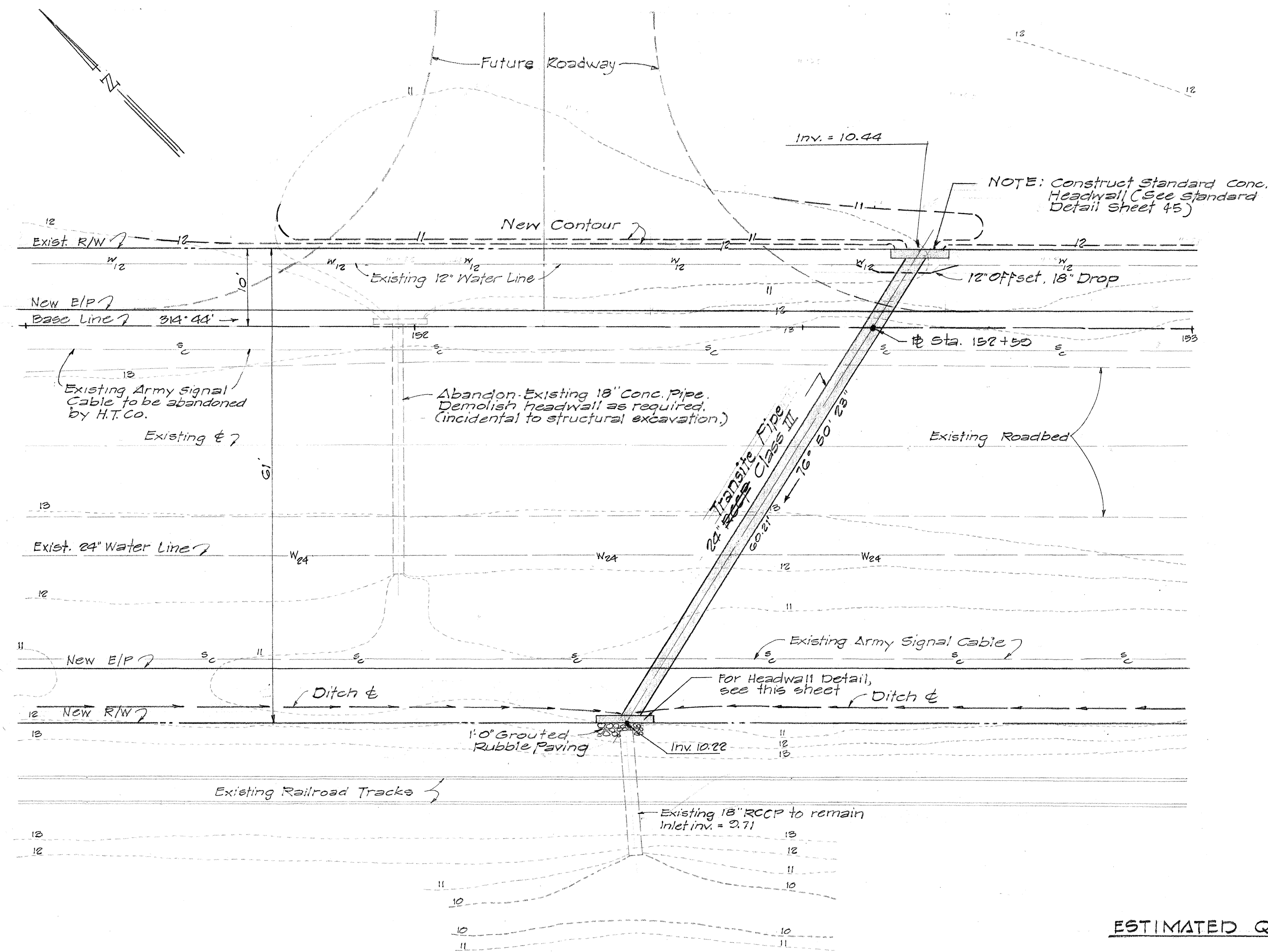
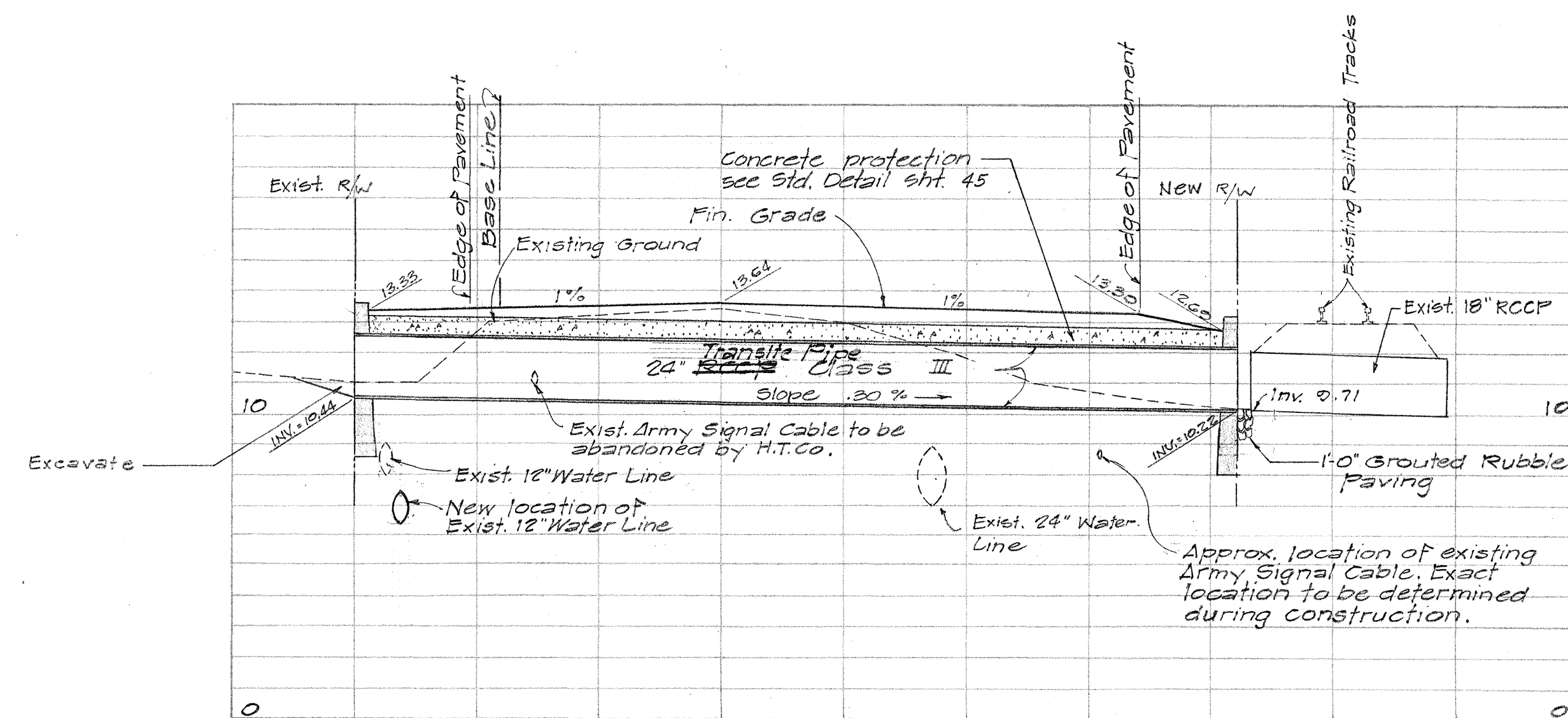
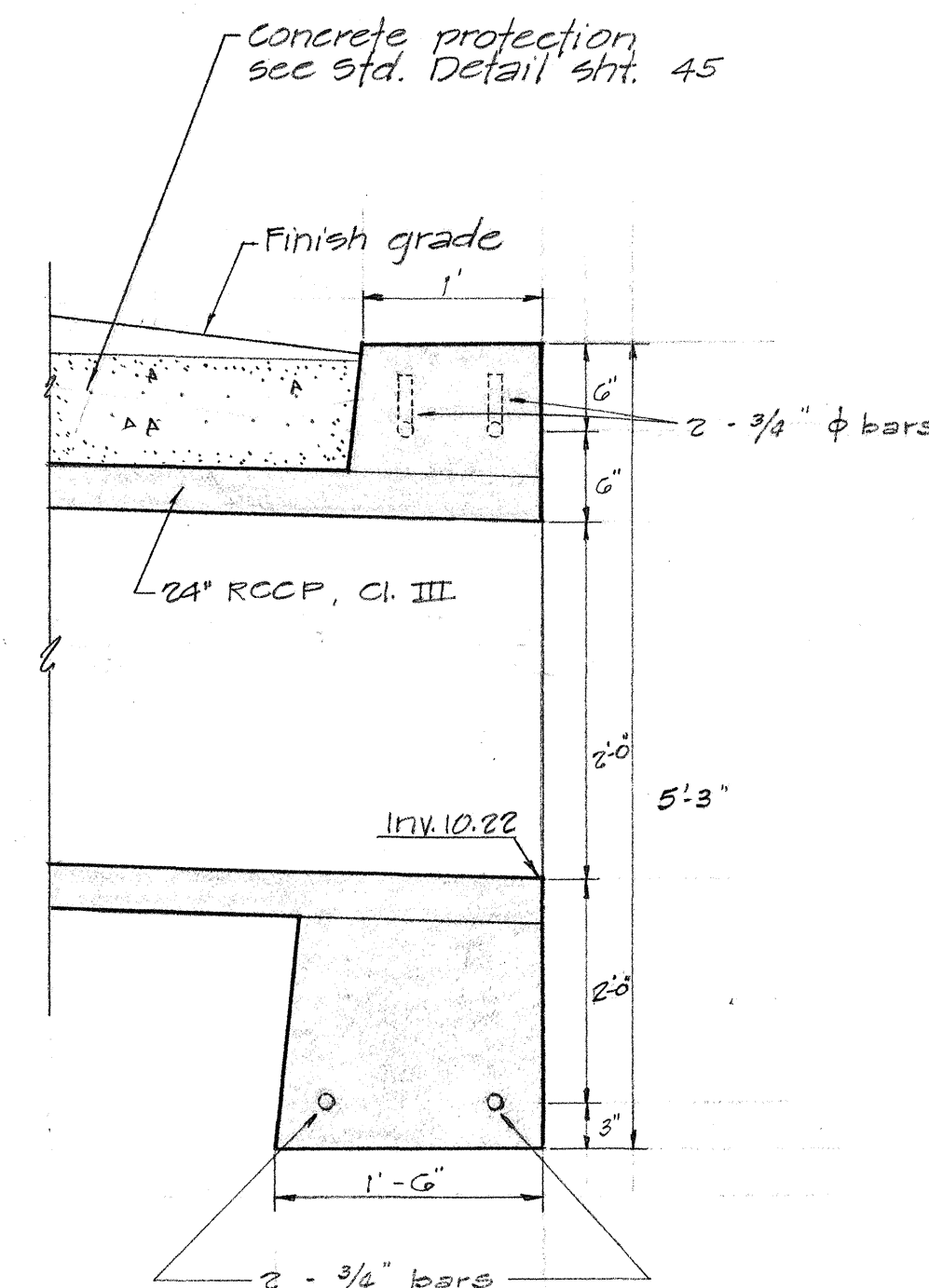




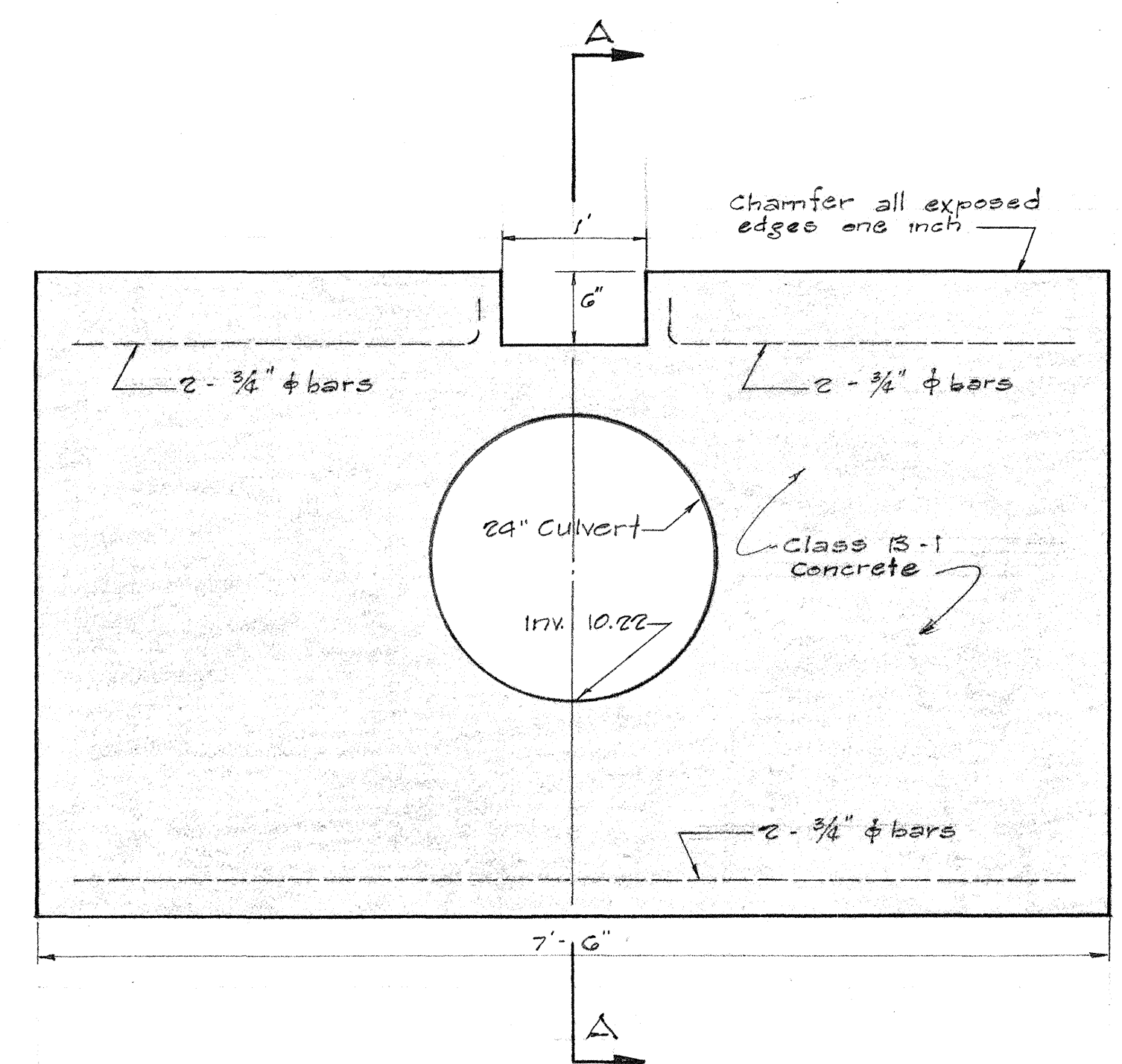
PLAN
SCALE: 1" = 10'-0"



PROFILE
SCALE: HORIZ. 1" = 10'-0"
VERT. 1" = 4'-0"



SECTION 'A-A'
DOWNSTREAM HEADWALL DETAIL
SCALE: 1" = 1'-0"

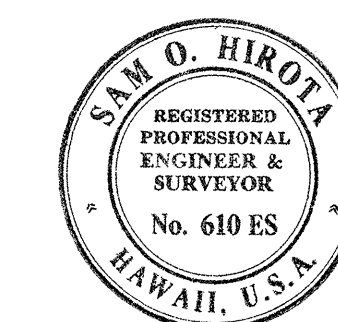


ELEVATION

ESTIMATED QUANTITIES

STRUCT. EXCAVATION	= 25	C.Y.
CLASS "B-1" CONCRETE	= 18	C.Y.
REINF. STEEL	= 85	LB.
GROUTED RUBBLE PAVING	= 03	C.Y.
24" PIPE CULVERT	= 73	L.F.

APPROVED BY:
[Signature] 10/3/67
Chief, Engineering Div. B.W.S. Date



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
[Signature] P.E.

SAM O. HIROTA, P. E. - CIVIL ENGINEERS & SURVEYORS
547 HALEKAUWILA ST. • ROOM 204 • HONOLULU, HAWAII 96813

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CULVERT DETAILS
STA. 152 + 50

FARRINGTON HIGHWAY WIDENING
PROJECT B-900-01-64
SCALE AS NOTED UNIT II

SHEET No. 1 OF 1 SHEETS