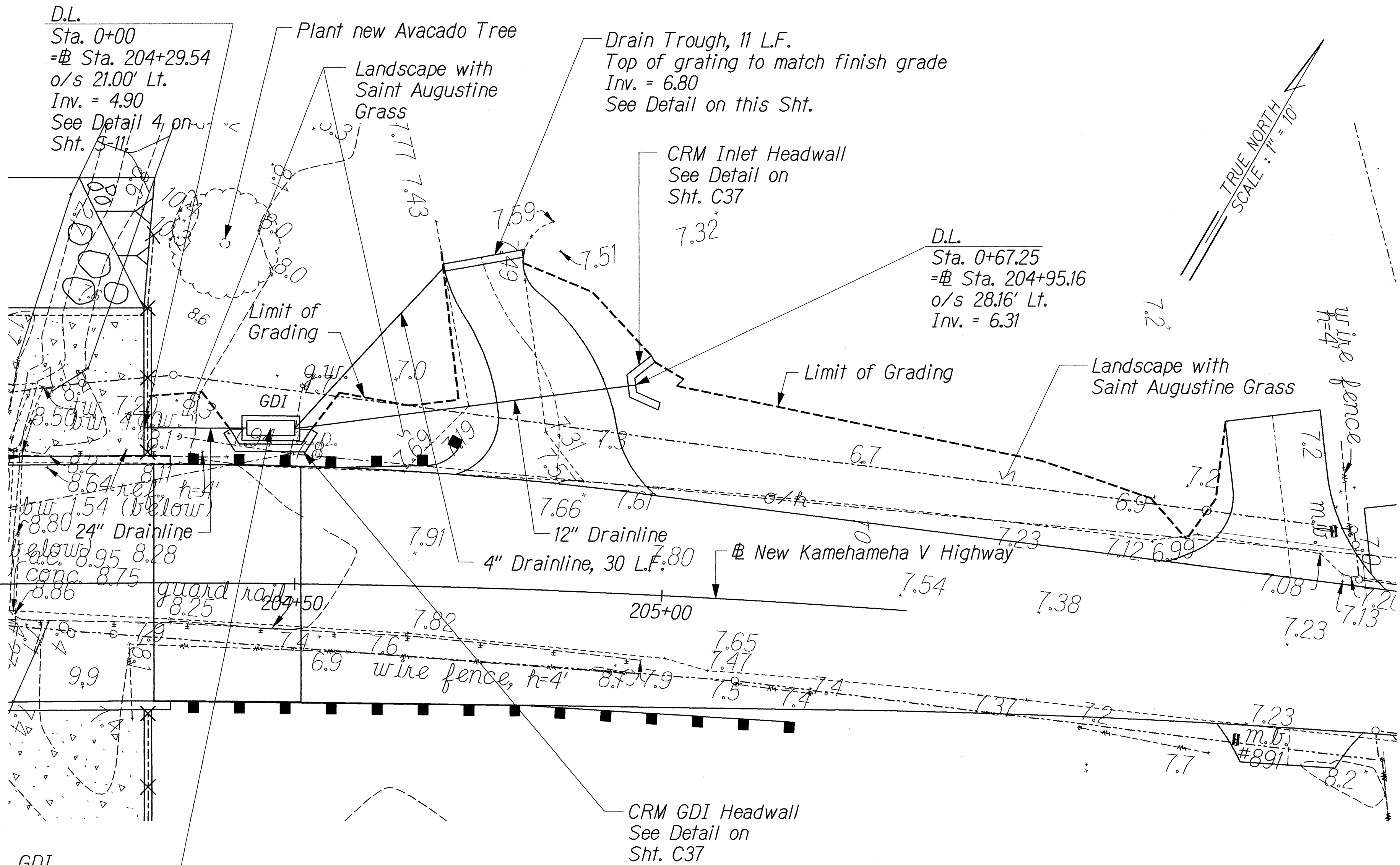
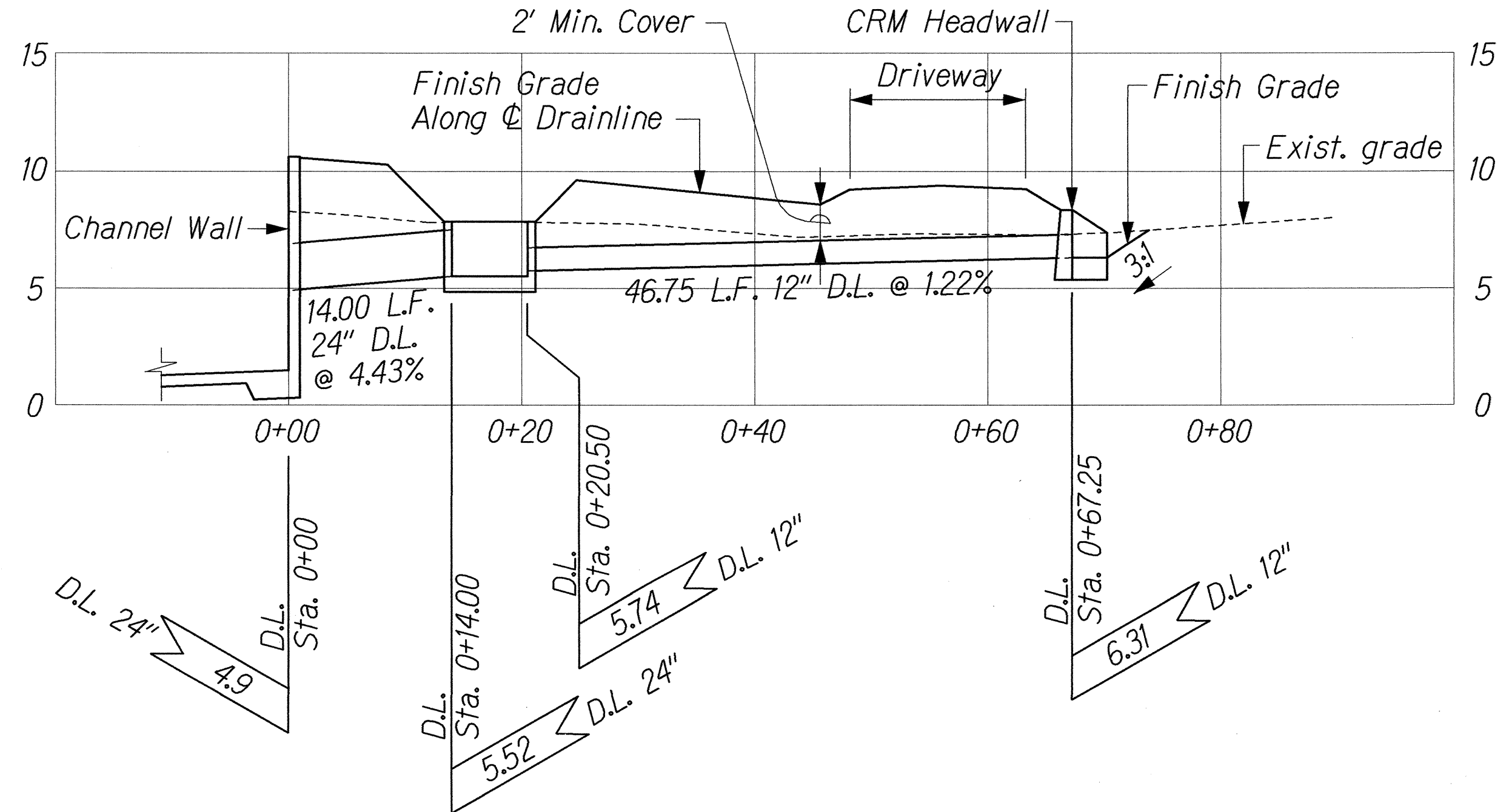


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-12(4)	2003	39	76

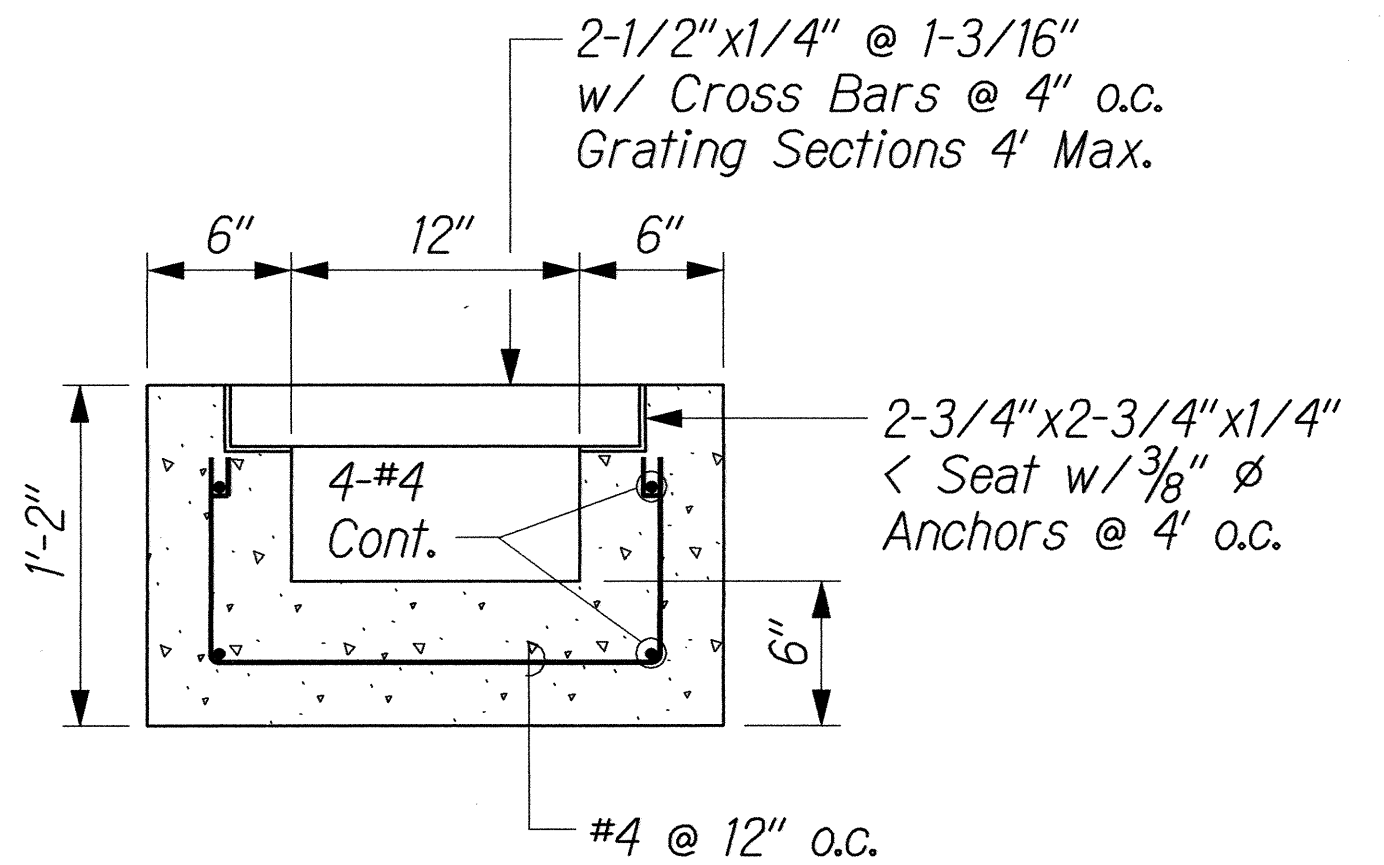


GDI
Sta. 0+17.25
= Sta. 204+46.53
o/s 21.00' Lt.
Top = 7.86
Inv. = 5.52 D.L. 24"
Inv. = 5.74 D.L. 12"
Inv. = 5.74 D.L. 4"
See Detail on Sht. C37

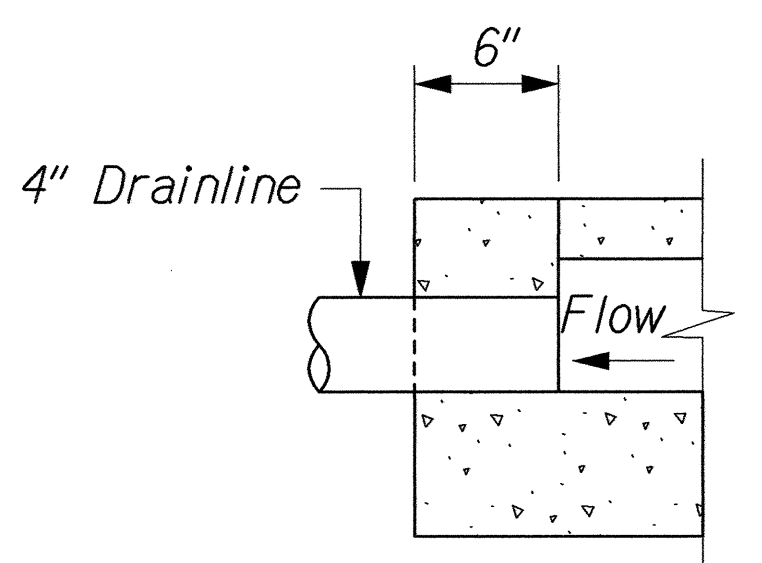
PLAN
Scale: 1"=10'



PROFILE - DRAINLINE
Scale: Horiz. 1"=10'
Vert. 1"=5'

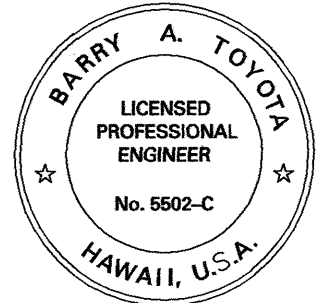


SECTION



CONNECTION

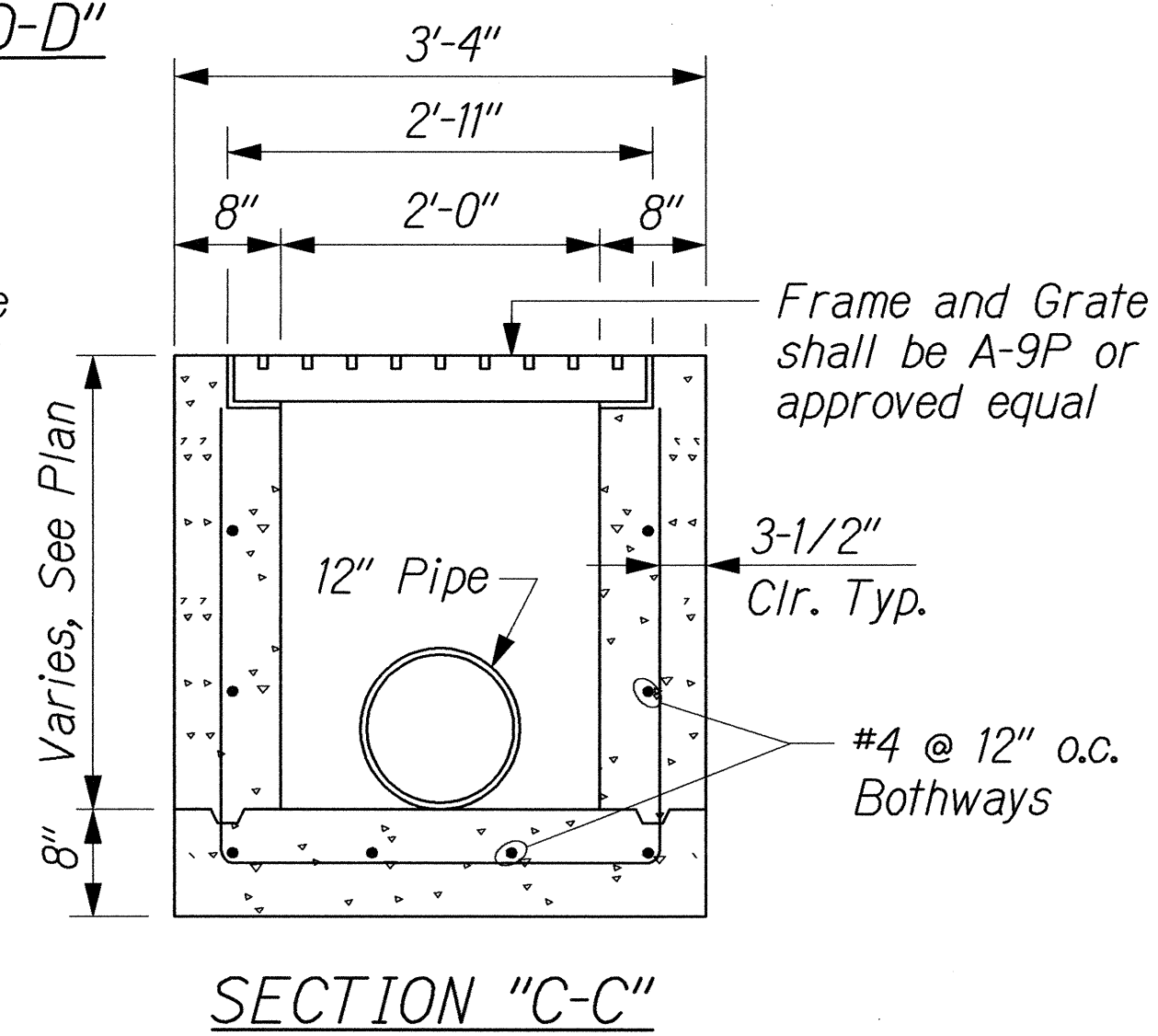
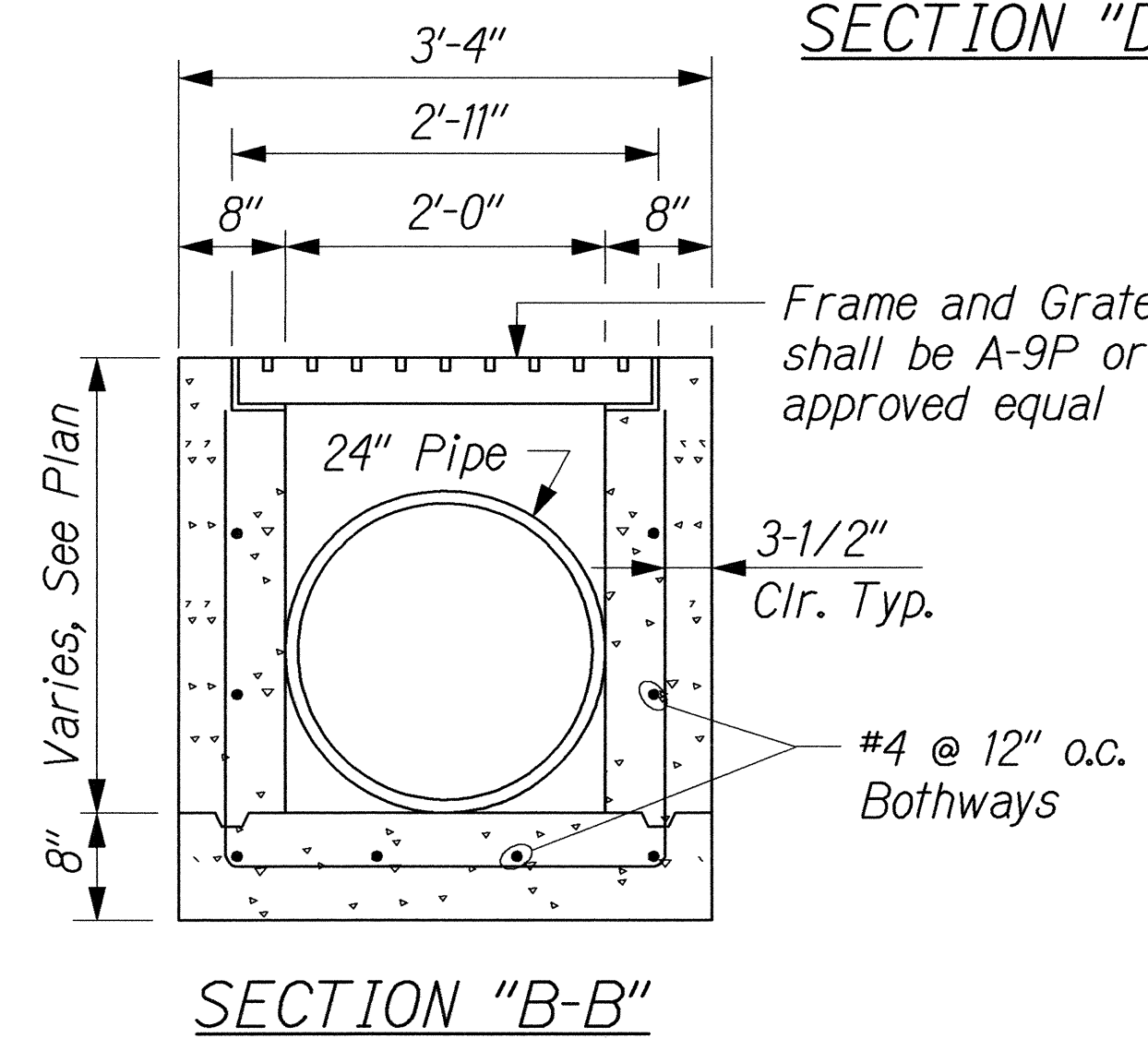
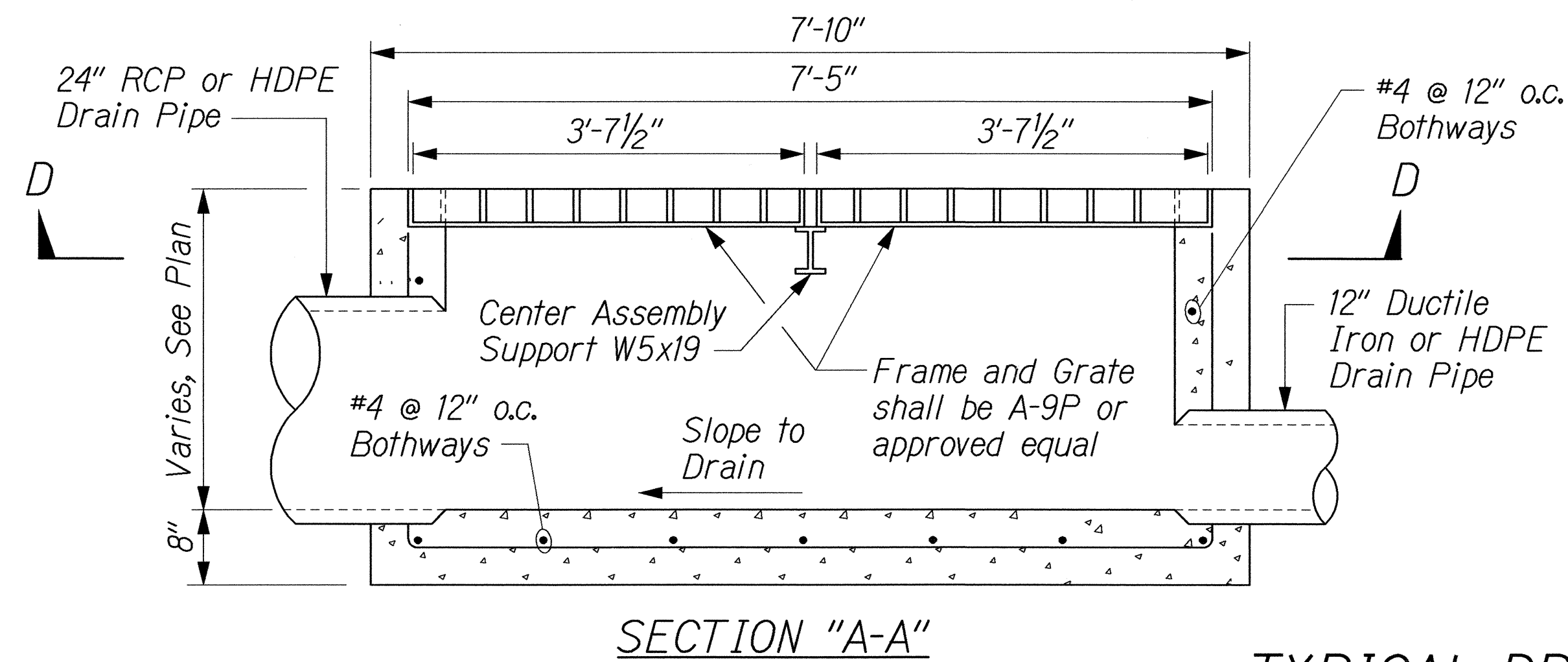
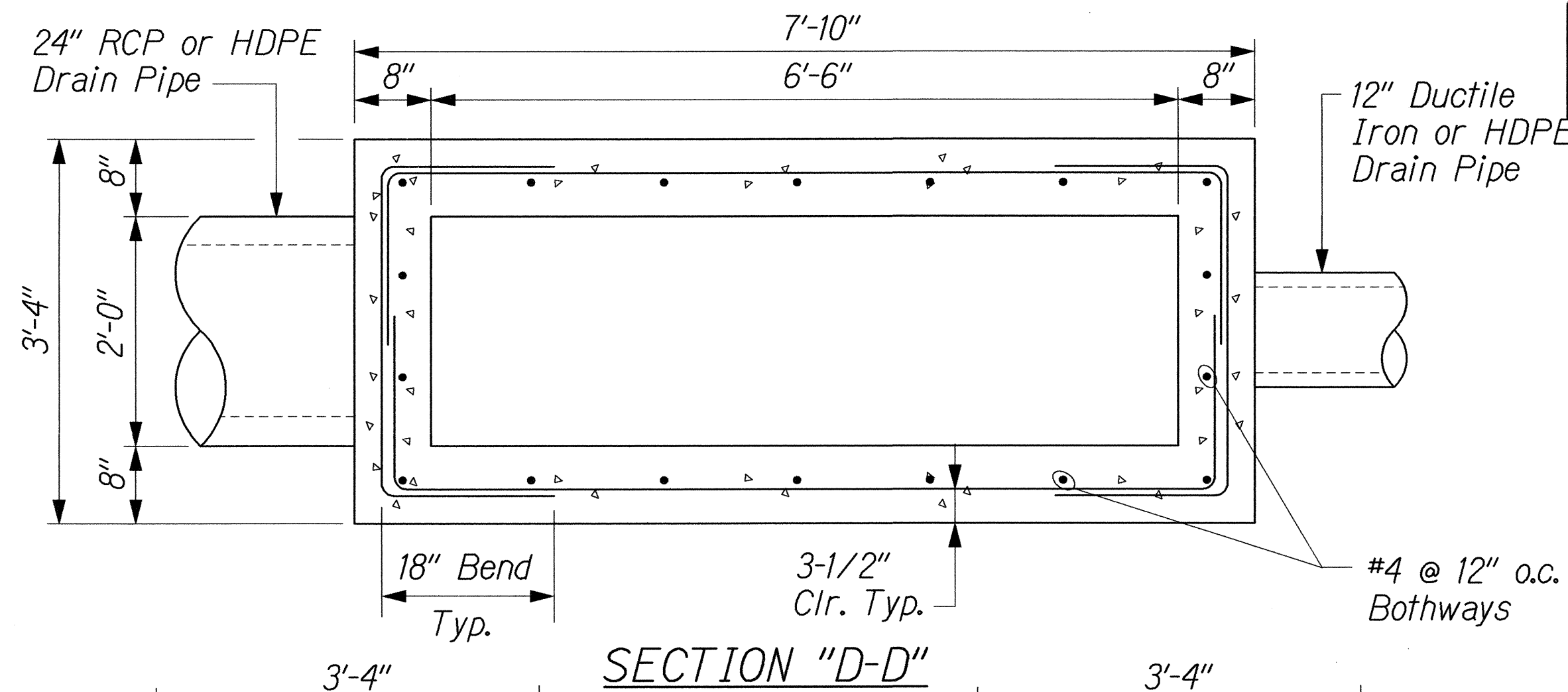
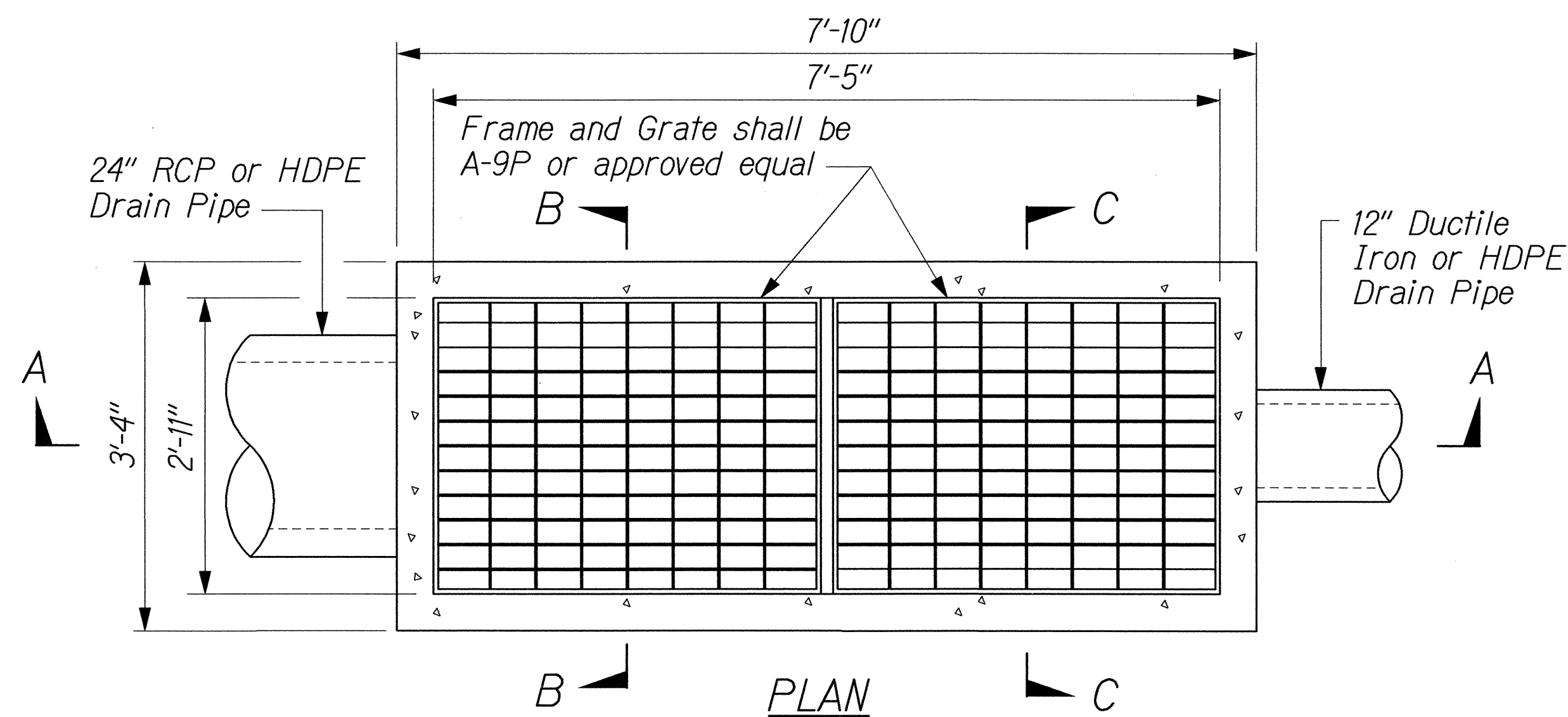
DRAIN TROUGH WITH GRATE
Scale: 1-1/2" = 1'-0"



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION
Barry A. Toyota
SIGNATURE
April 30, 2004
Expiration Date of the License

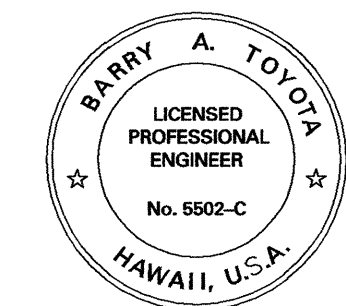
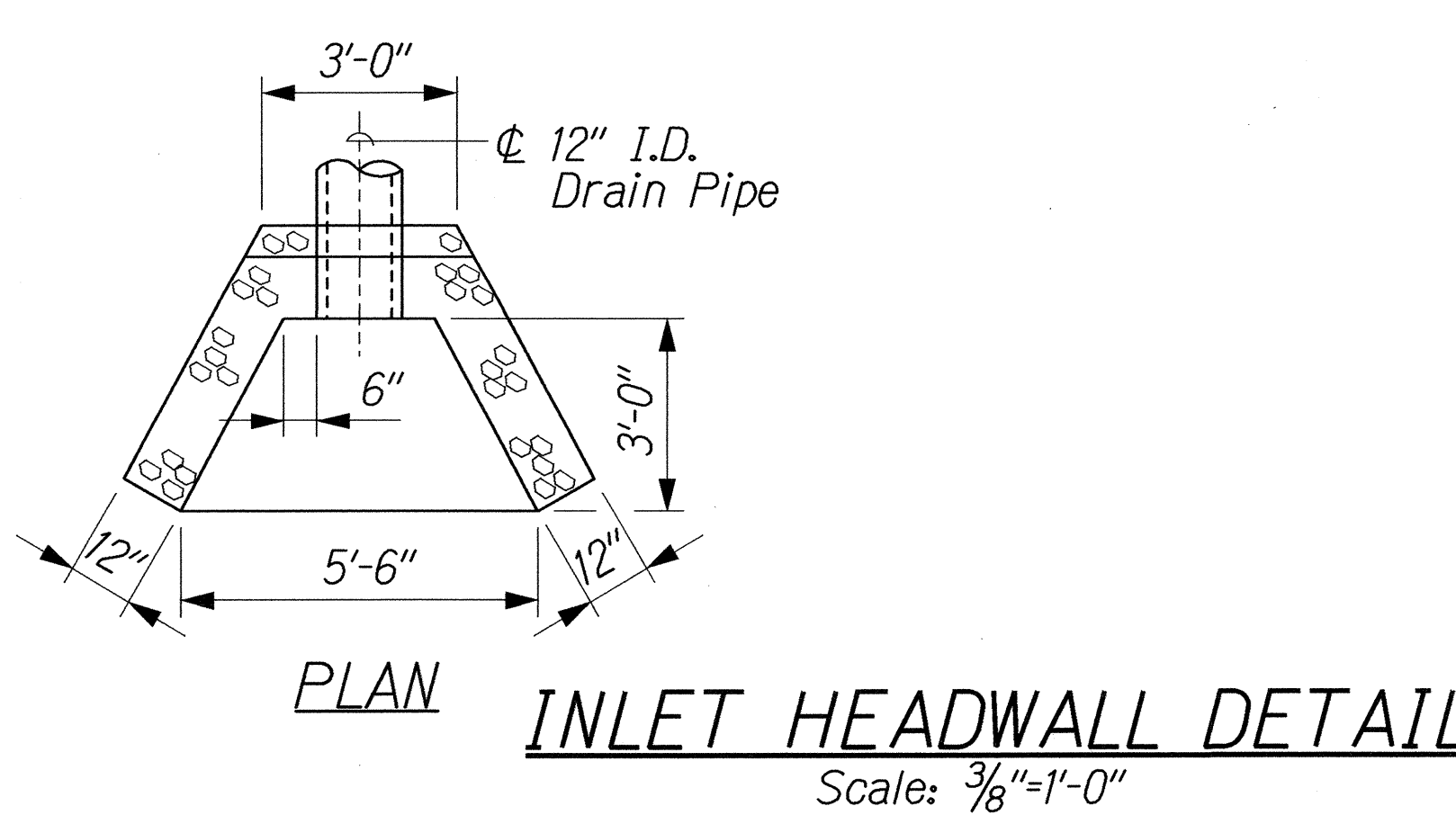
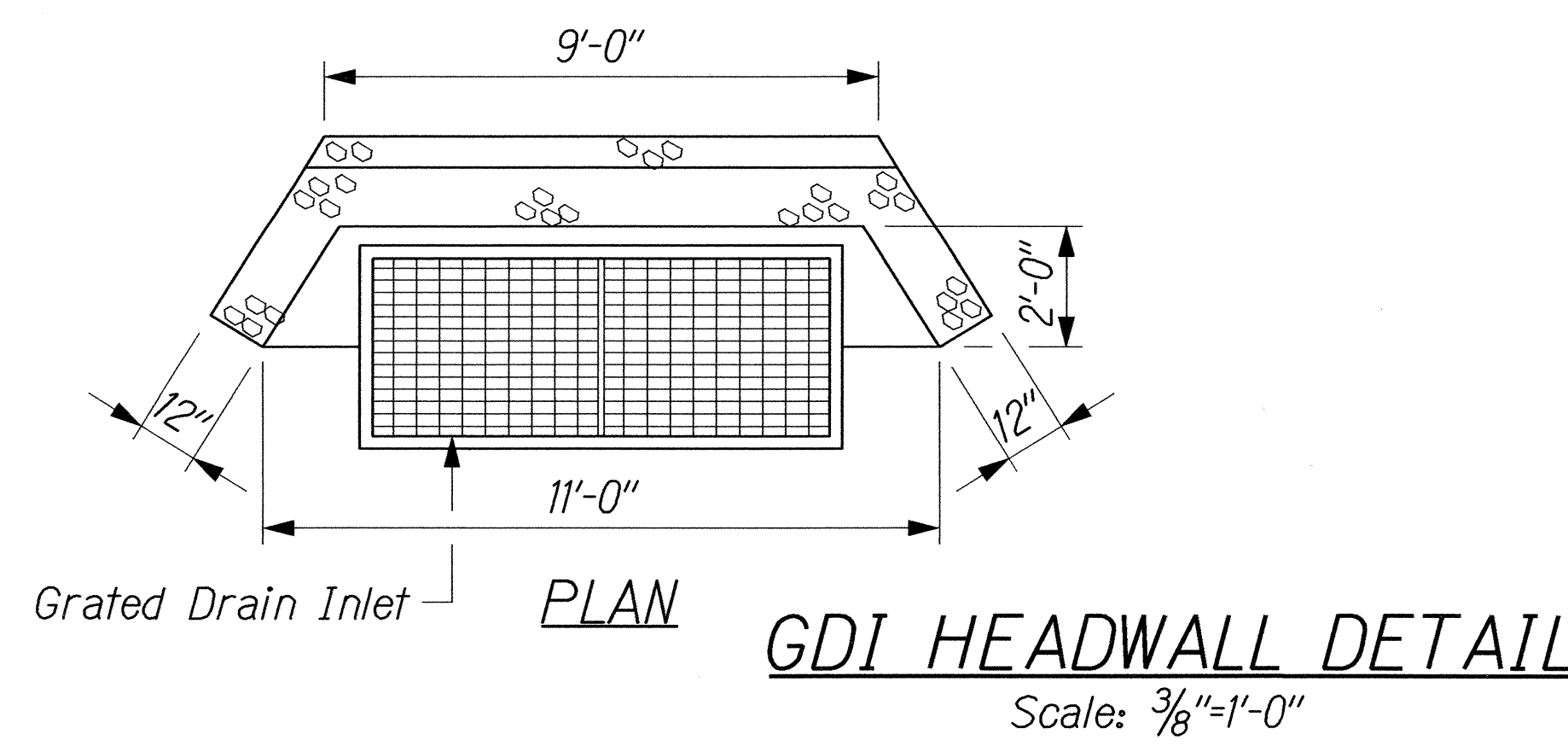
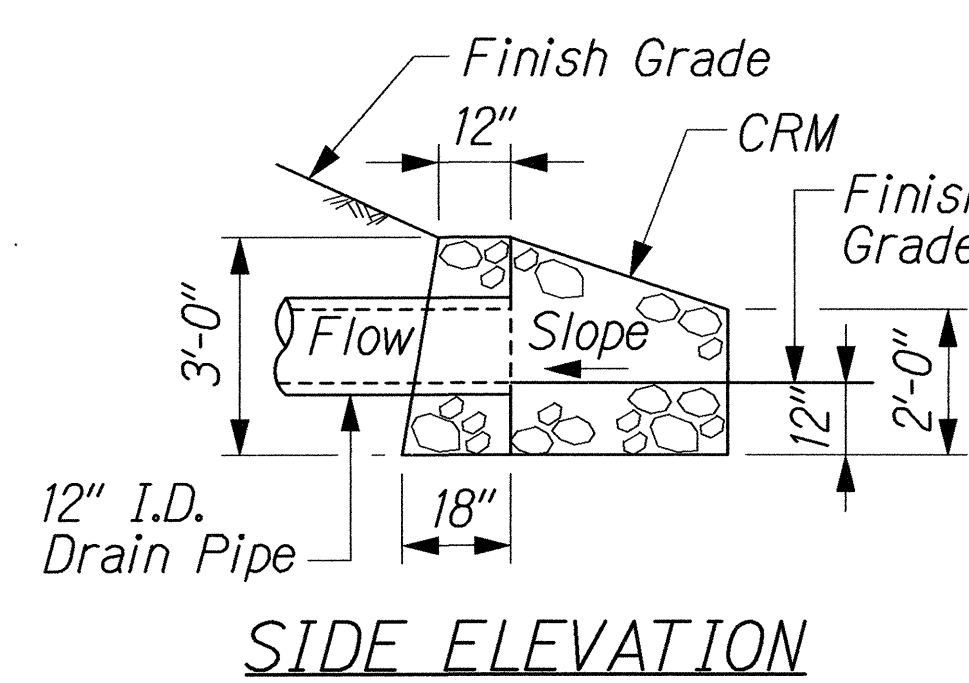
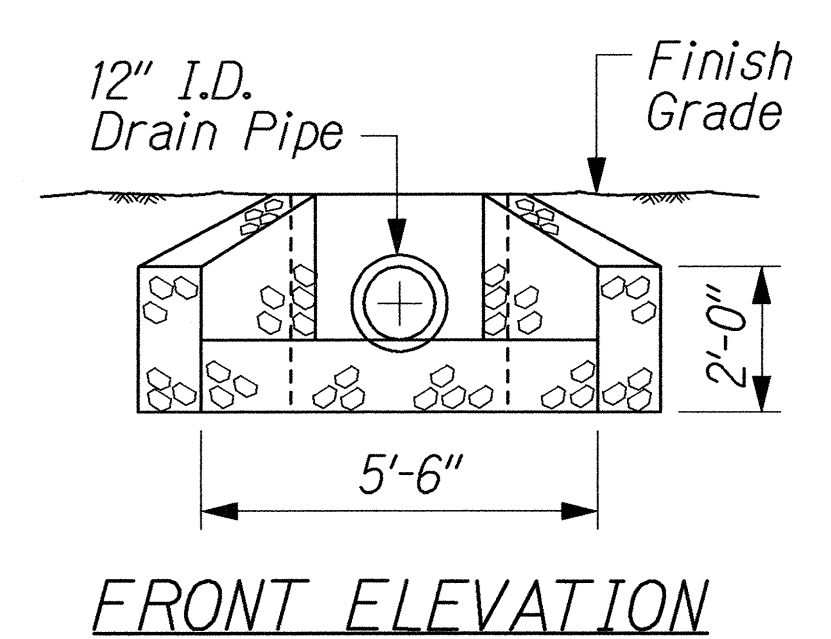
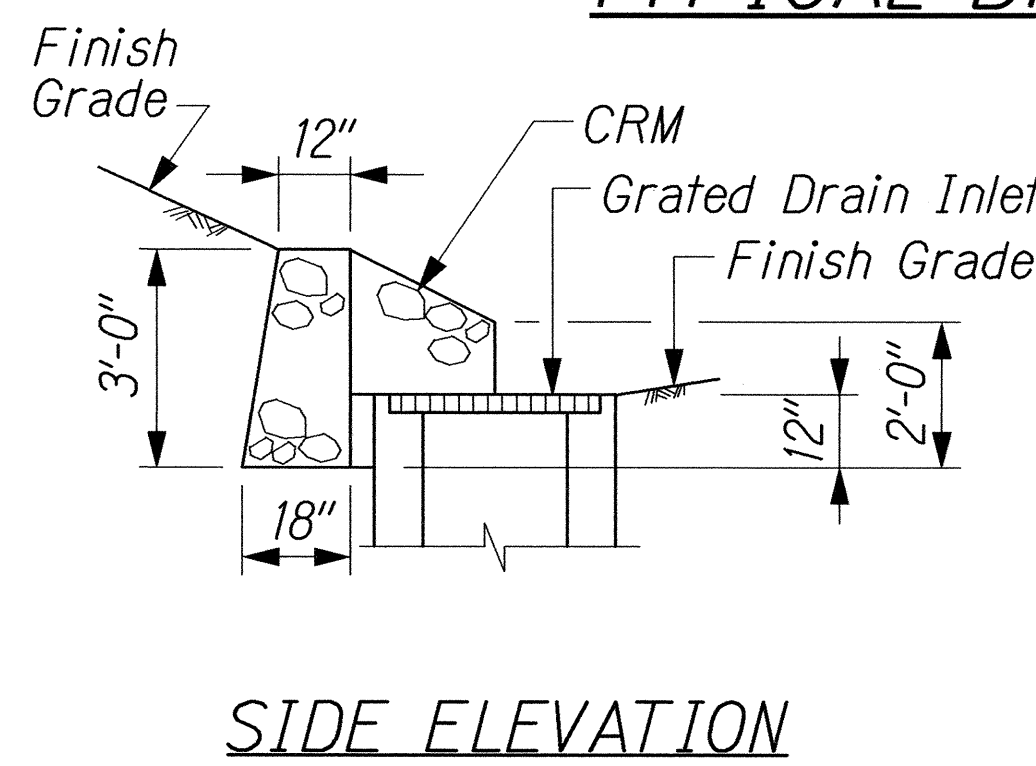
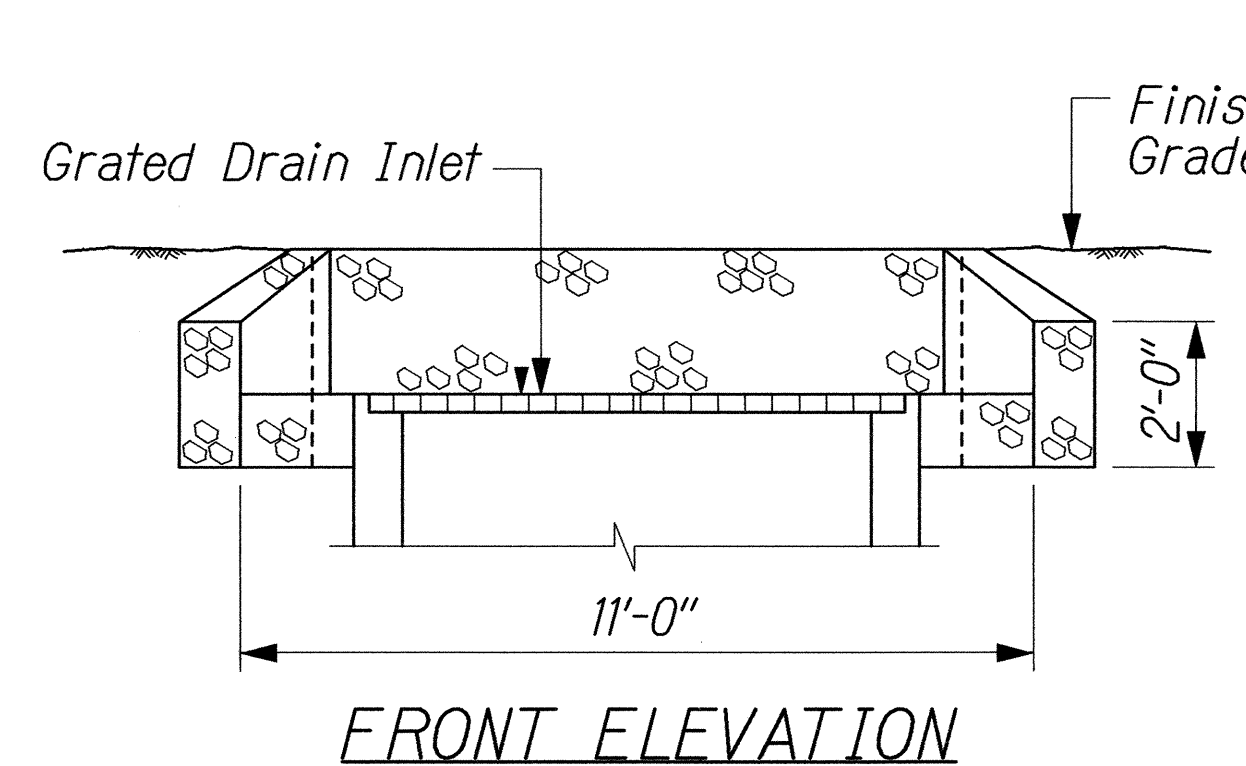
3/13/03	Added 12" & 24" drainline locations; Added lengths for 4" drainline and drain trough.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION DRAINAGE DETAILS KAMEHAMEHA V HIGHWAY EMERGENCY REPLACEMENT OF KAWAIKAPU BRIDGE FEDERAL AID PROJECT NO. ER-12(4) Scale: As Shown Date: November 25, 2002	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-12(4)	2003	40	76



TYPICAL DRAIN INLET DETAIL

Not to Scale



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
 Signature: [Signature]
 Date: April 30, 2004
 Expiration Date of the License

DATE	REVISION

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

DRAINAGE DETAILS

KAMEHAMEHA V HIGHWAY
 EMERGENCY REPLACEMENT OF KAWAIKAPU BRIDGE
 FEDERAL AID PROJECT NO. ER-12(4)

Scale: As Shown Date: November 25, 2002

SHEET No. C37 OF 46 SHEETS