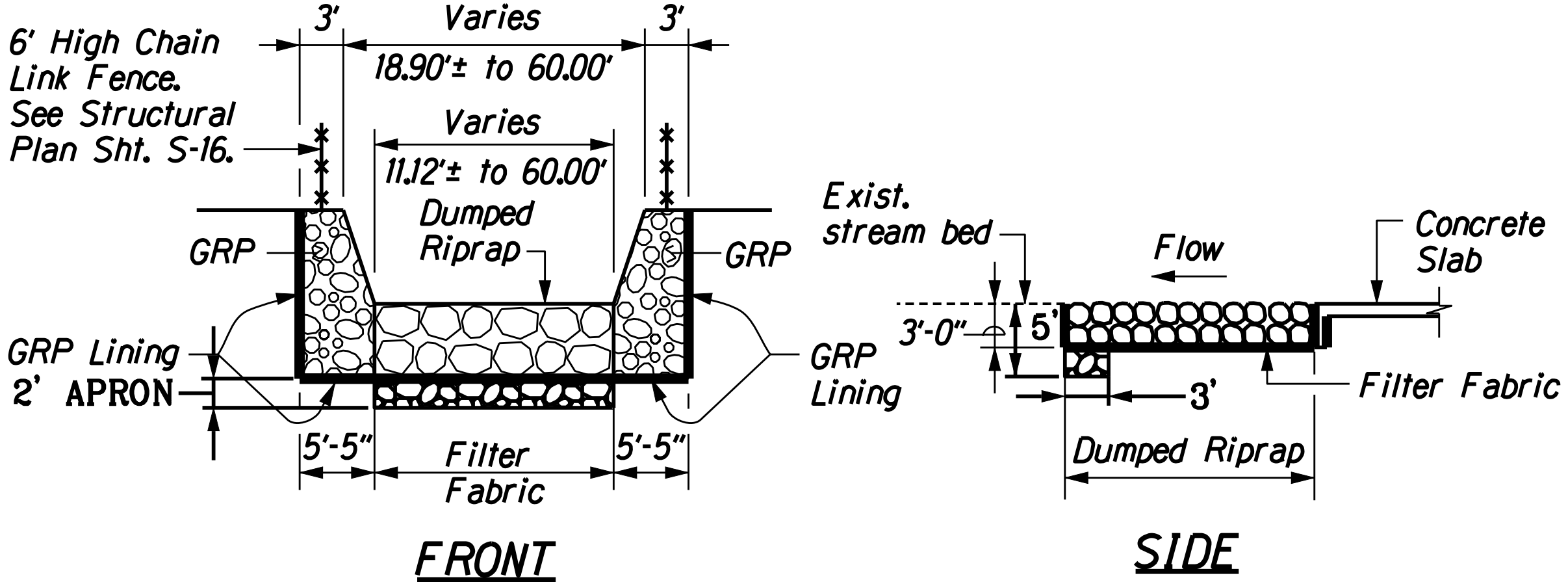
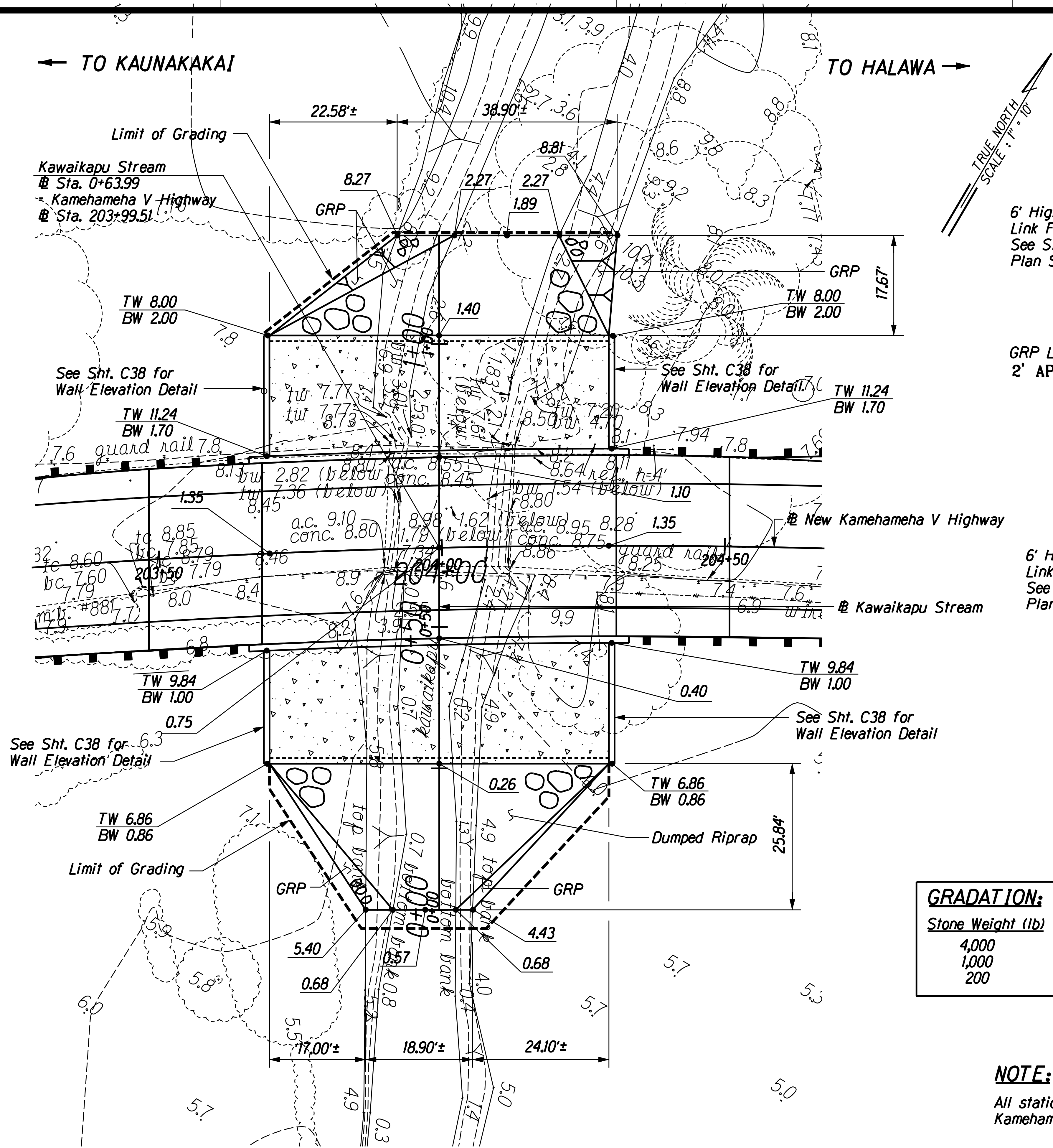
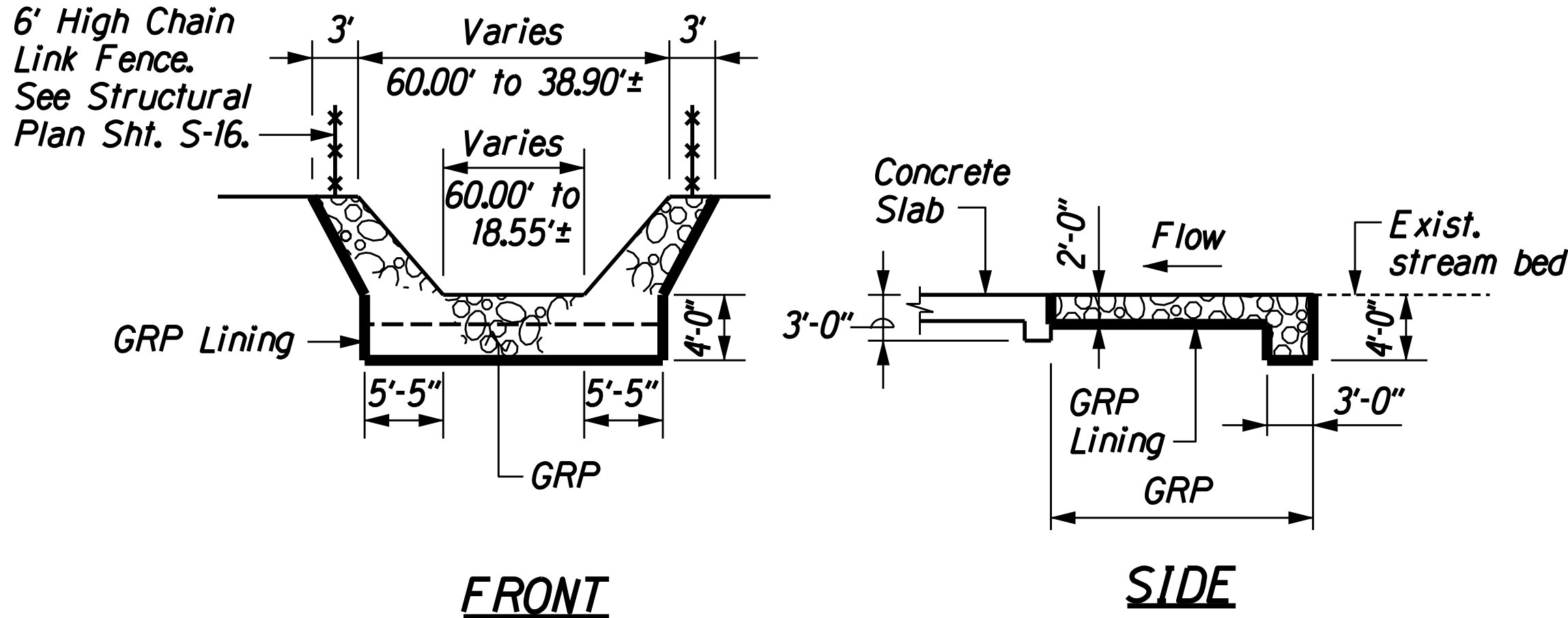


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-12(4)	2003	16	76

LEGEND FOR AS-BUILT POSTINGS
 Squiggly line for as-built deletion
 Double line for as-built deletion
Roadway Text for as-built posting



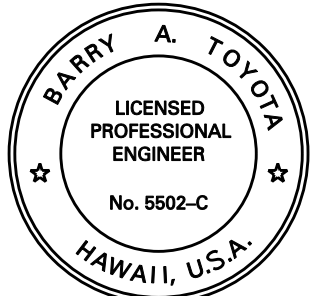
RIPRAP DETAIL
Not to Scale
DOWNSTREAM



GRP DETAIL
Not to Scale
UPSTREAM

GRADATION:	
Stone Weight (lb)	Percent Finer by wt.
4,000	100
1,000	50
200	5 - 10

NOTE:
All stationings are based on new Kamehameha V Highway baseline.



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

DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CHANNEL DETAILS

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

Scale: 1"=10' Date: November 25, 2002

SHEET No. C13 OF 46 SHEETS

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
APPROVED BY	
ORIGINAL PLAN	
NOTE BOOK	