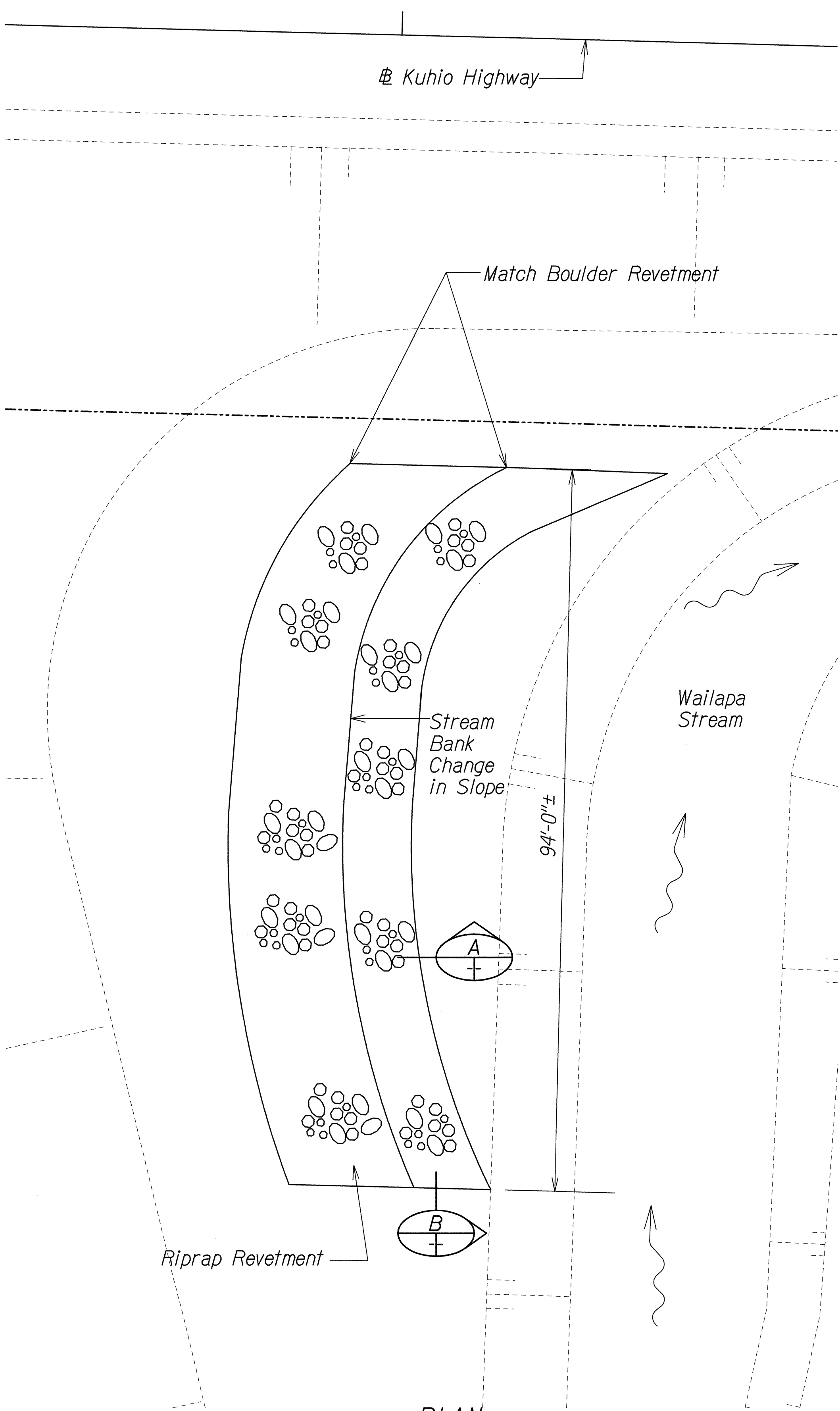


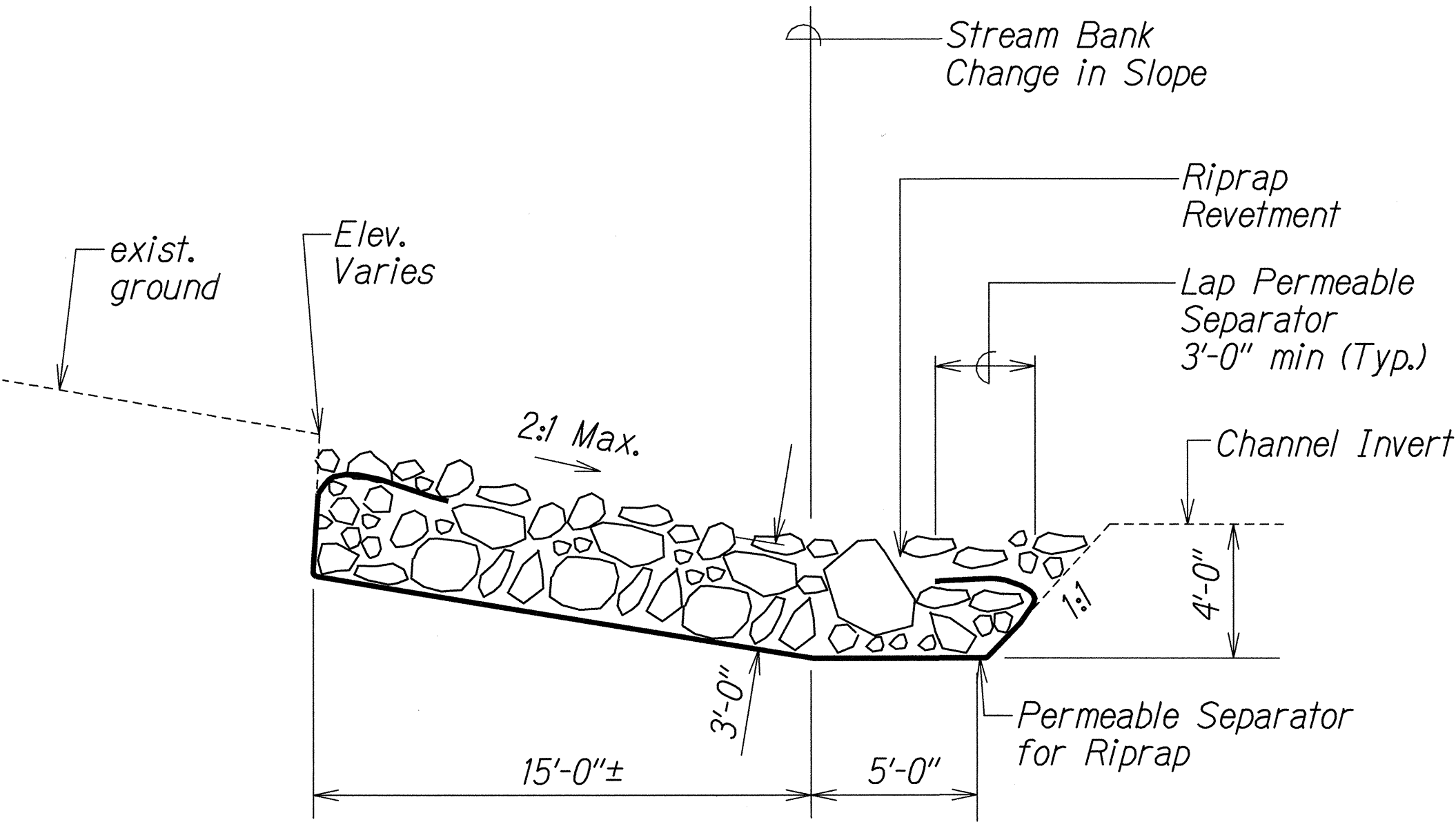
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	ER-14(1)	2006	13	34

RIPRAP REVETMENT GRADATION

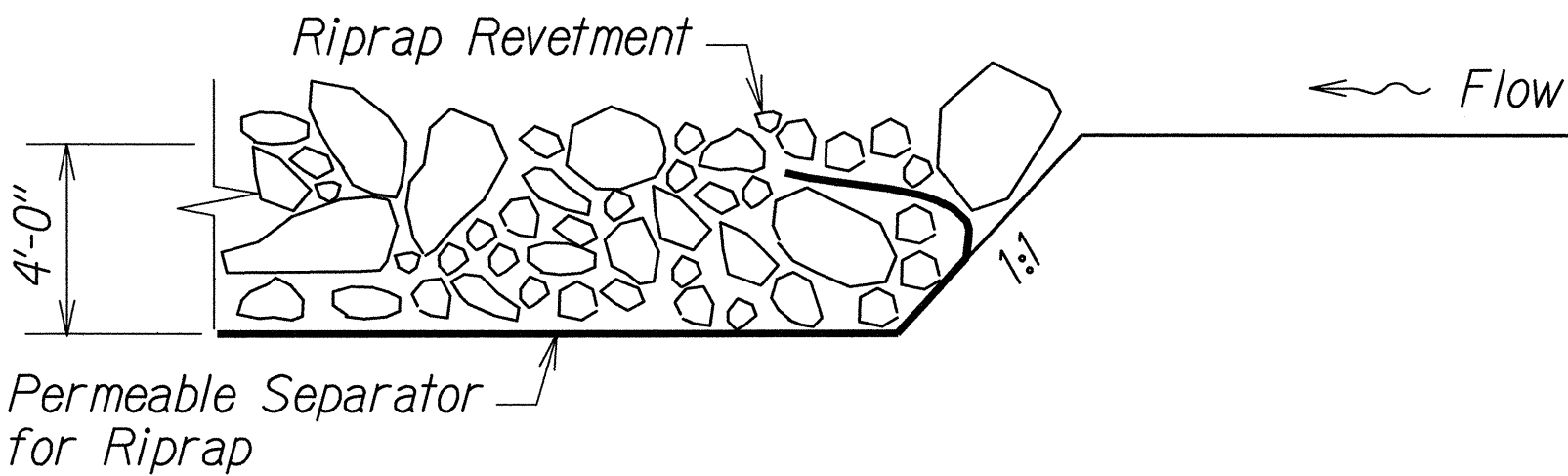
STONE SIZE (lbs)	PERCENT OF STONE SMALLER THAN
500	100
200	50
5	10



PLAN
Scale: 1"=10'-0"



SECTION A
Scale: 1/4"=1'-0"



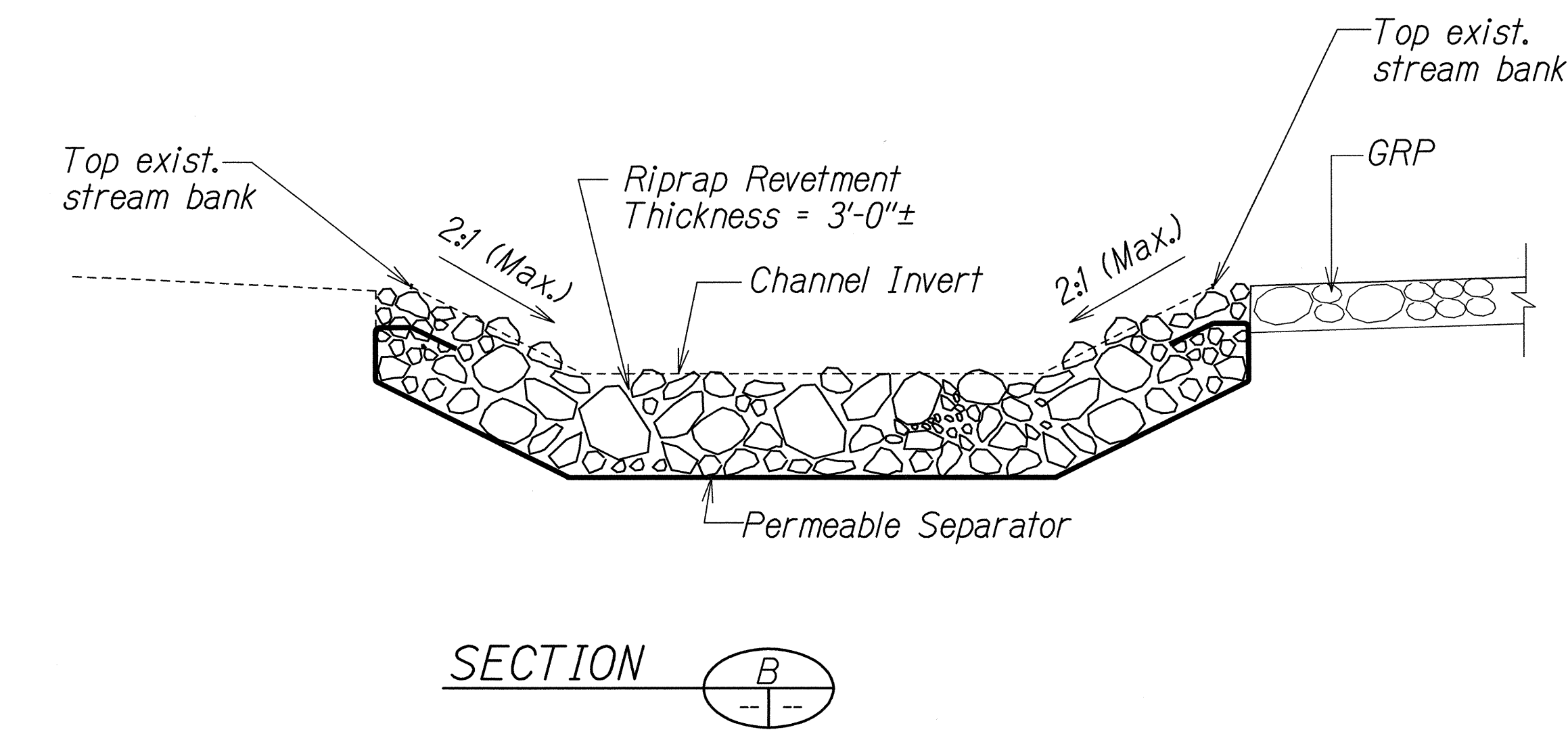
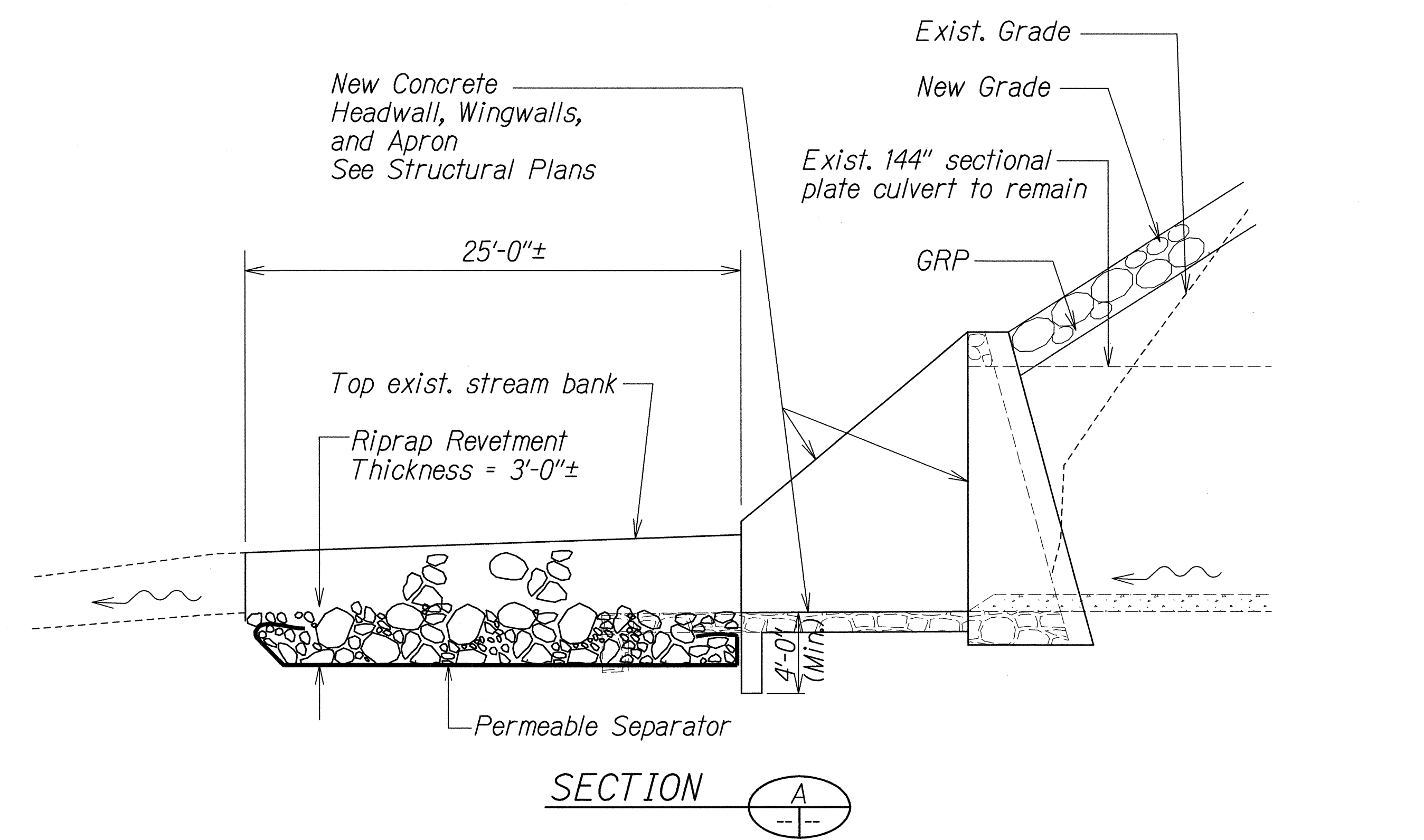
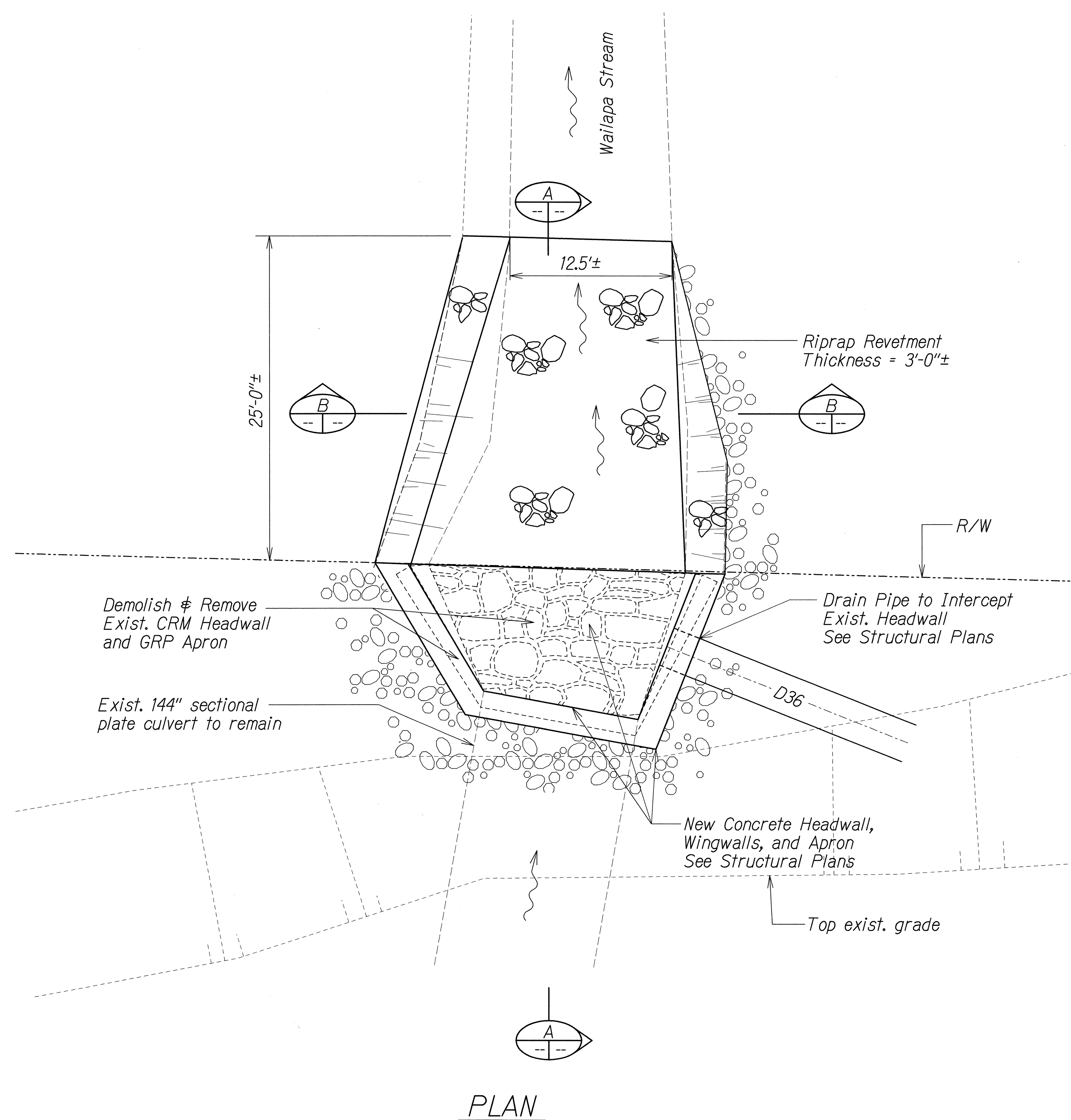
SECTION B
Scale: 1/4"=1'-0"

RIPRAP REVETMENT DETAIL UPSTREAM OF KUHIO HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

RIPRAP REVETMENT
UPSTREAM OF KUHIO HIGHWAY
Kuhio Highway Emergency Repairs
Vicinity of MP 21.7 (Wailapa Stream)
FEDERAL AID PROJECT NO. ER-14(1)
Scale: As Shown Date: April 2006

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	ER-14(1)	2006	14	34



DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
NO.	

RIPRAP REVETMENT AT OUTLET STRUCTURE (@ STA. 27+40± (MP 21.7))

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**RIPRAP REVETMENT AT
OUTLET STRUCTURE**

Kuhio Highway Emergency Repairs
Vicinity of MP 21.7 (Wailapa Stream)
FEDERAL AID PROJECT NO. ER-14(1)
Scale: 1" = 5'-0" Date: April 2006

SHEET No. C8 OF 17 SHEETS