

DRAINAGE NOTES

- Existing drainage systems will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to accomplish maintenance of flow. The cost shall be incidental to the various Contract Items.
- The Contractor shall verify the locations of all existing culverts and utilities in the field. Any existing utilities damaged during construction shall be repaired or replaced by the Contractor at no cost to the State.
- Chamfer all exposed concrete edges 1".

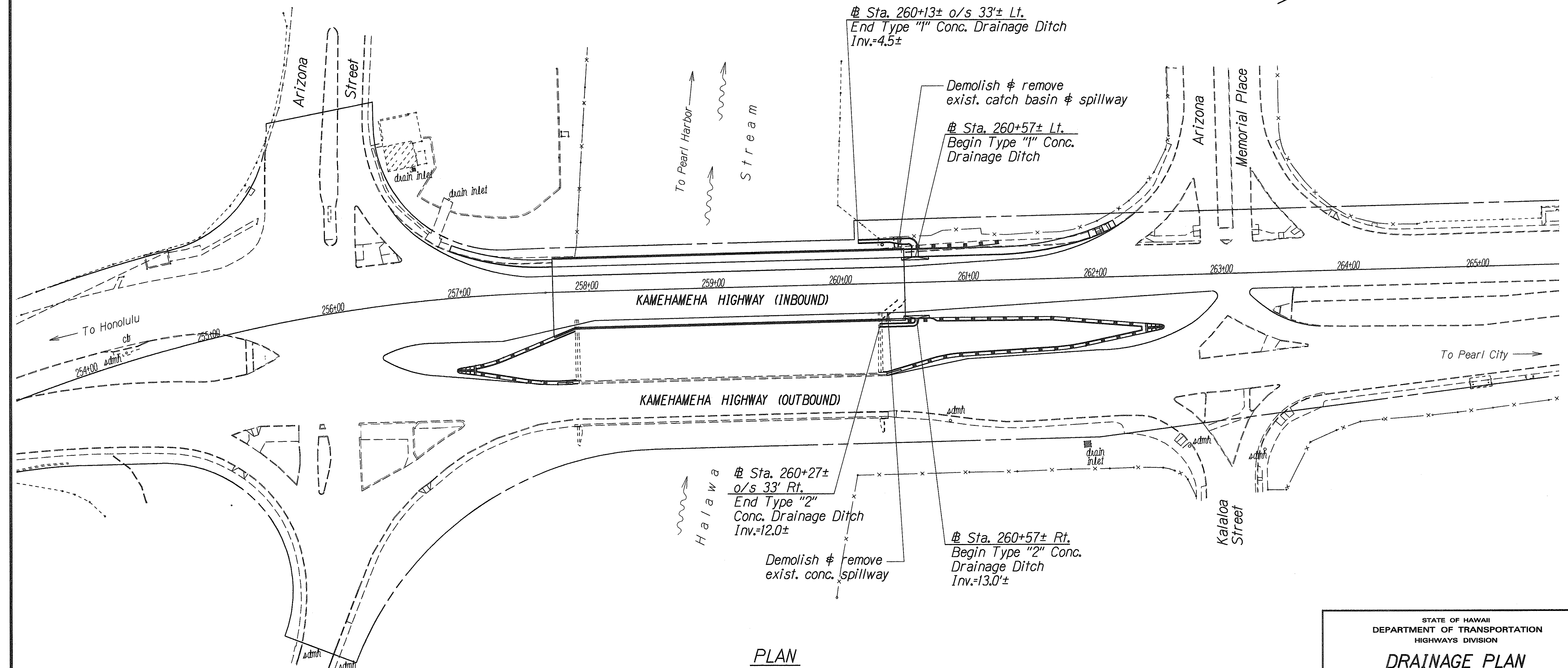
Sta. 260+57± Lt. to 260+13± o/s 33'± Lt.
Construct: Type "1" Conc. Drainage Ditch
(For Details see Sht. No. H2)

Estimated Quantities
Type "1" Conc. Drainage Ditch = 55 LF.

Sta. 260+57± to 260+27± o/s 33' Rt.
Construct: Type "2" Conc. Drainage Ditch
(For Details see Sht. No. H3)

Estimated Quantities
Type "2" Conc. Drainage Ditch = 34 L.F.

TRUE NORTH
SCALE: 1" = 40'



PLAN

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	12/27/00
DESIGNED BY	CHECKED BY	
QUANTITIES BY		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE PLAN

KAMEHAMEHA HIGHWAY

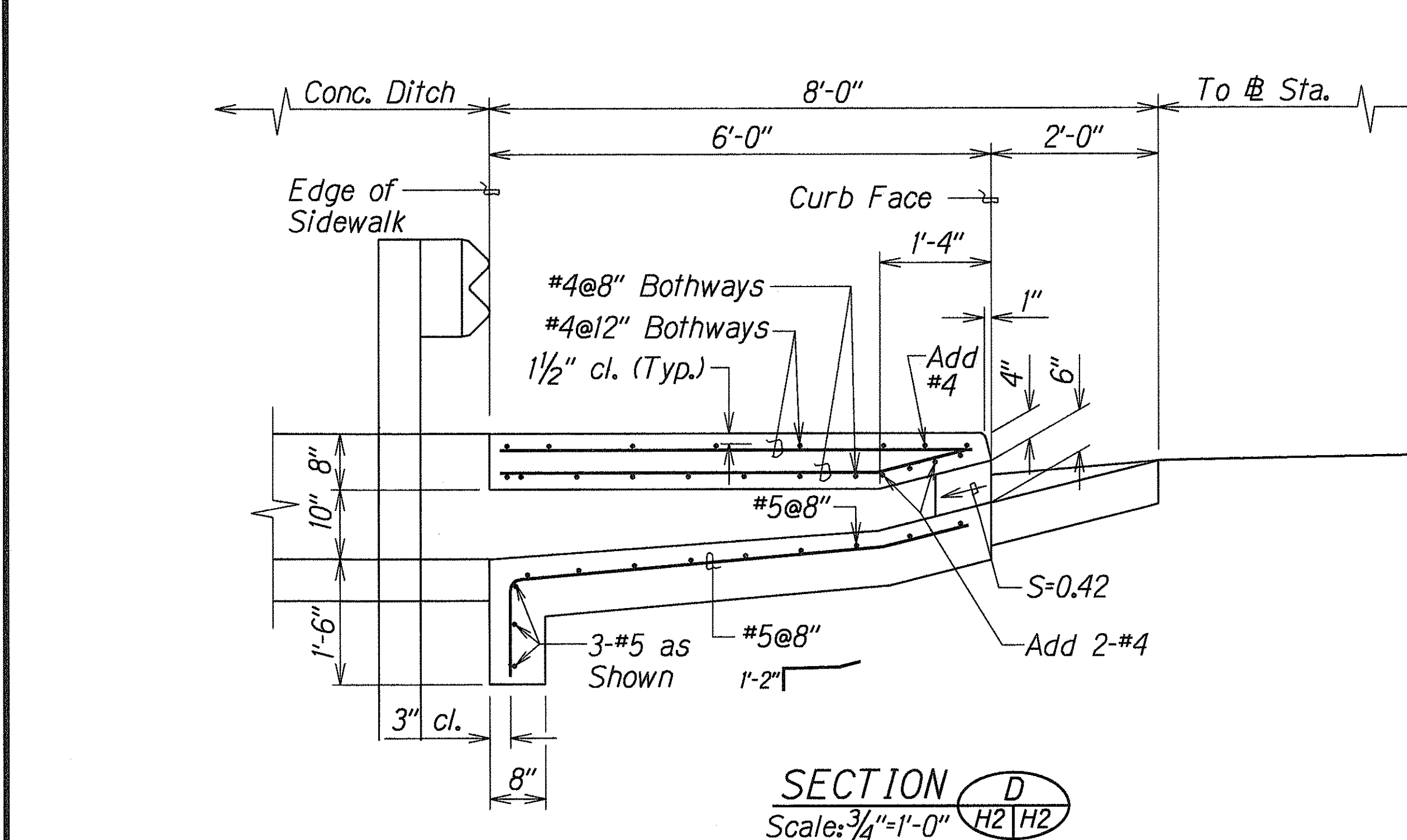
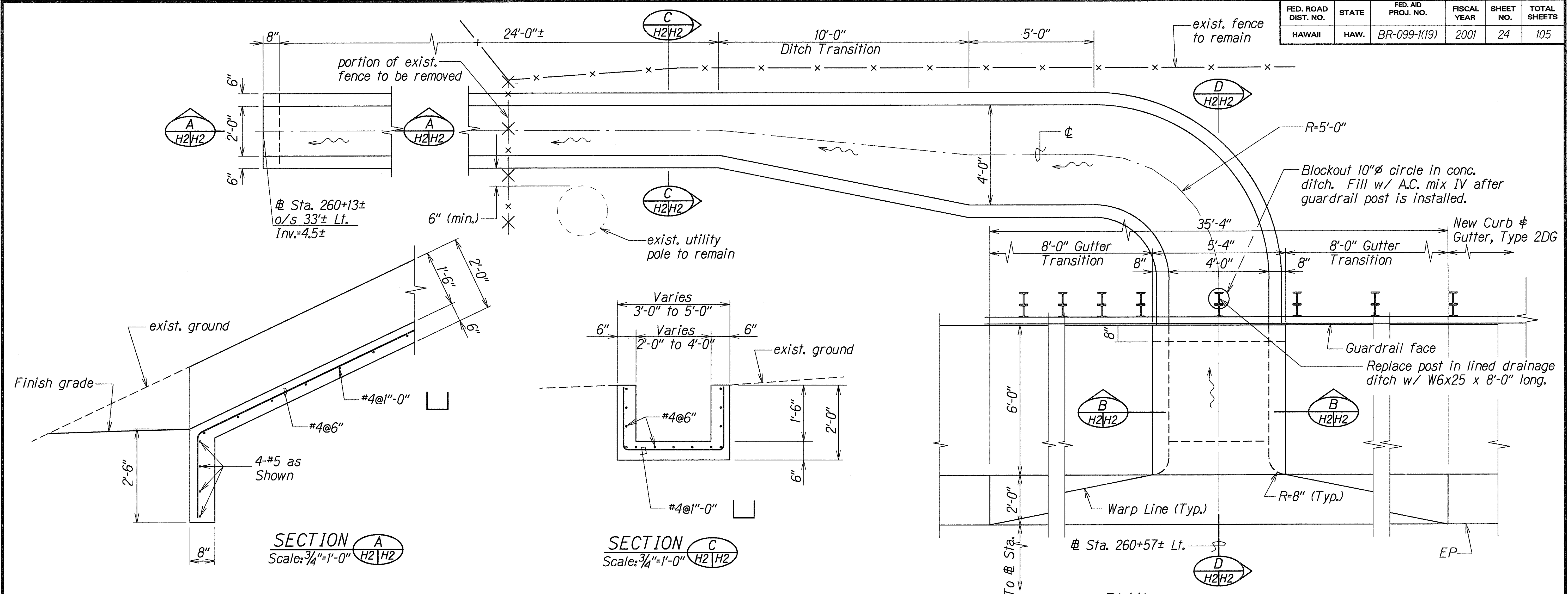
Halawa Stream Bridge (Inbound) Replacement

Federal Aid Project No. BR-099-1(19)

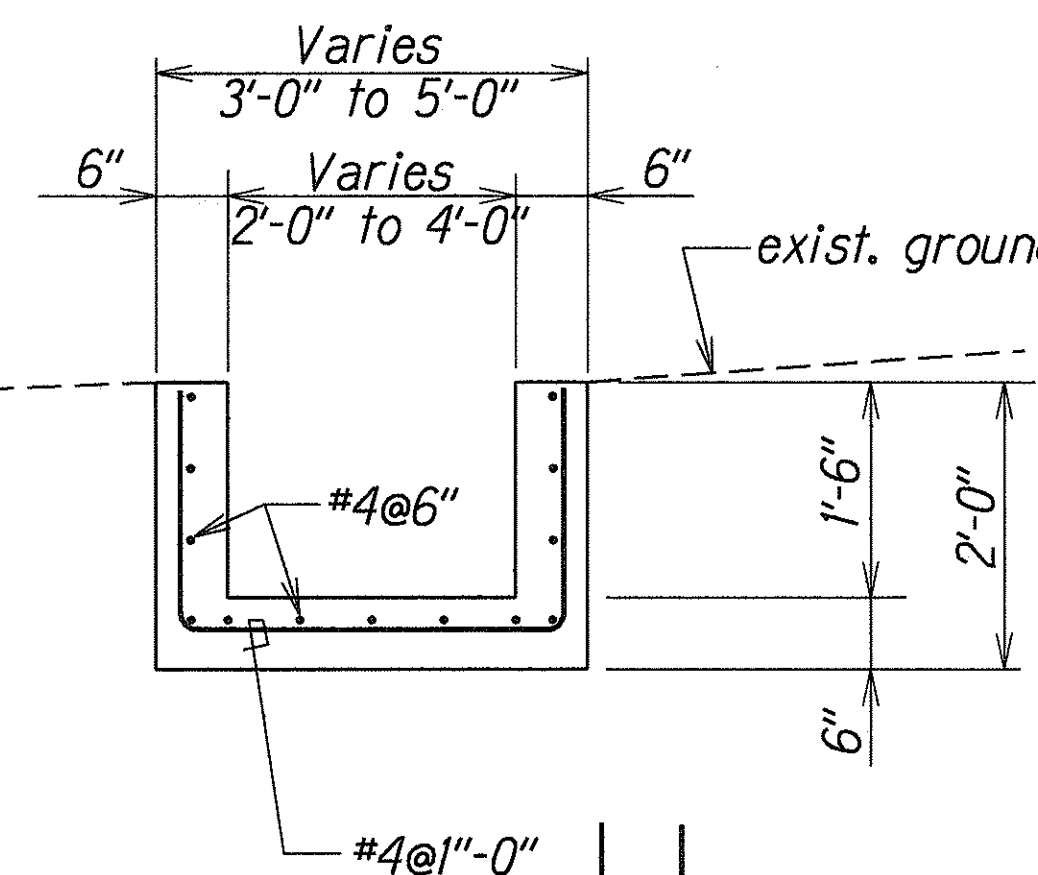
Scale: 1"=40' Date: Aug, 2000

SHEET No. HI OF 3 SHEETS

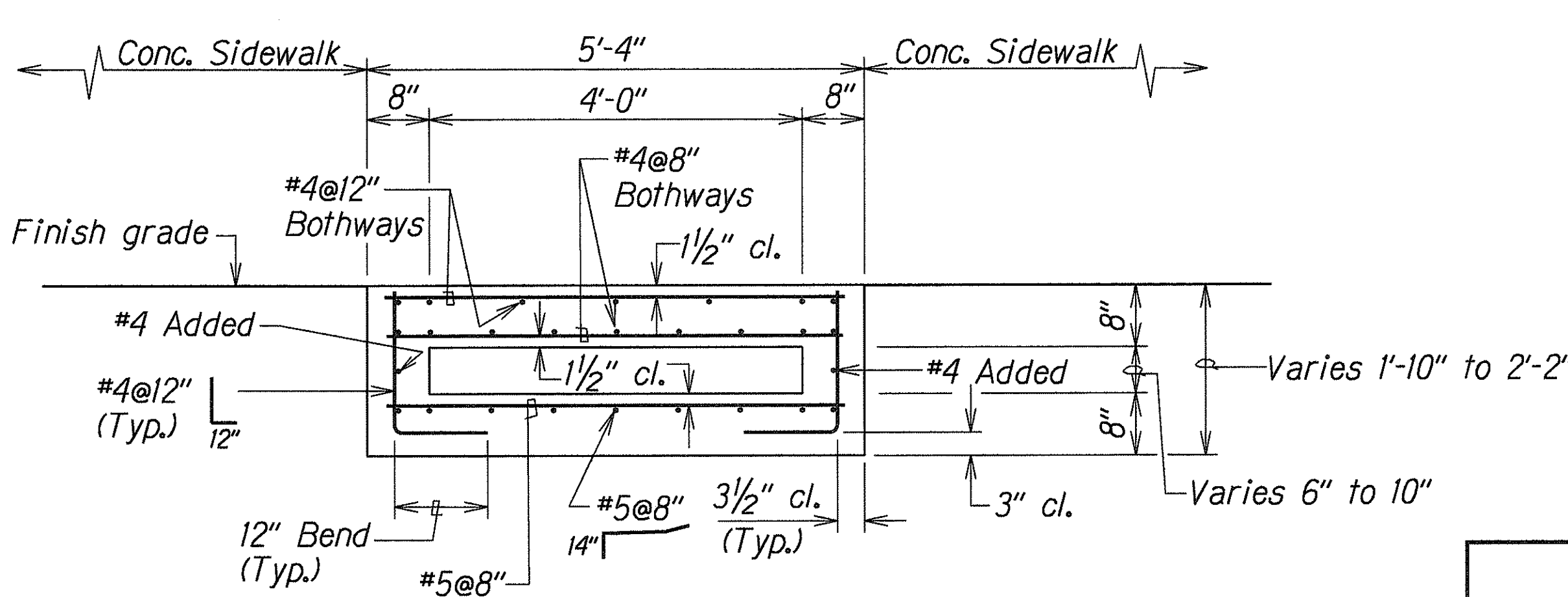
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-099-1(19)	2001	24	105



SECTION C
Scale: 3/4" = 1'-0"

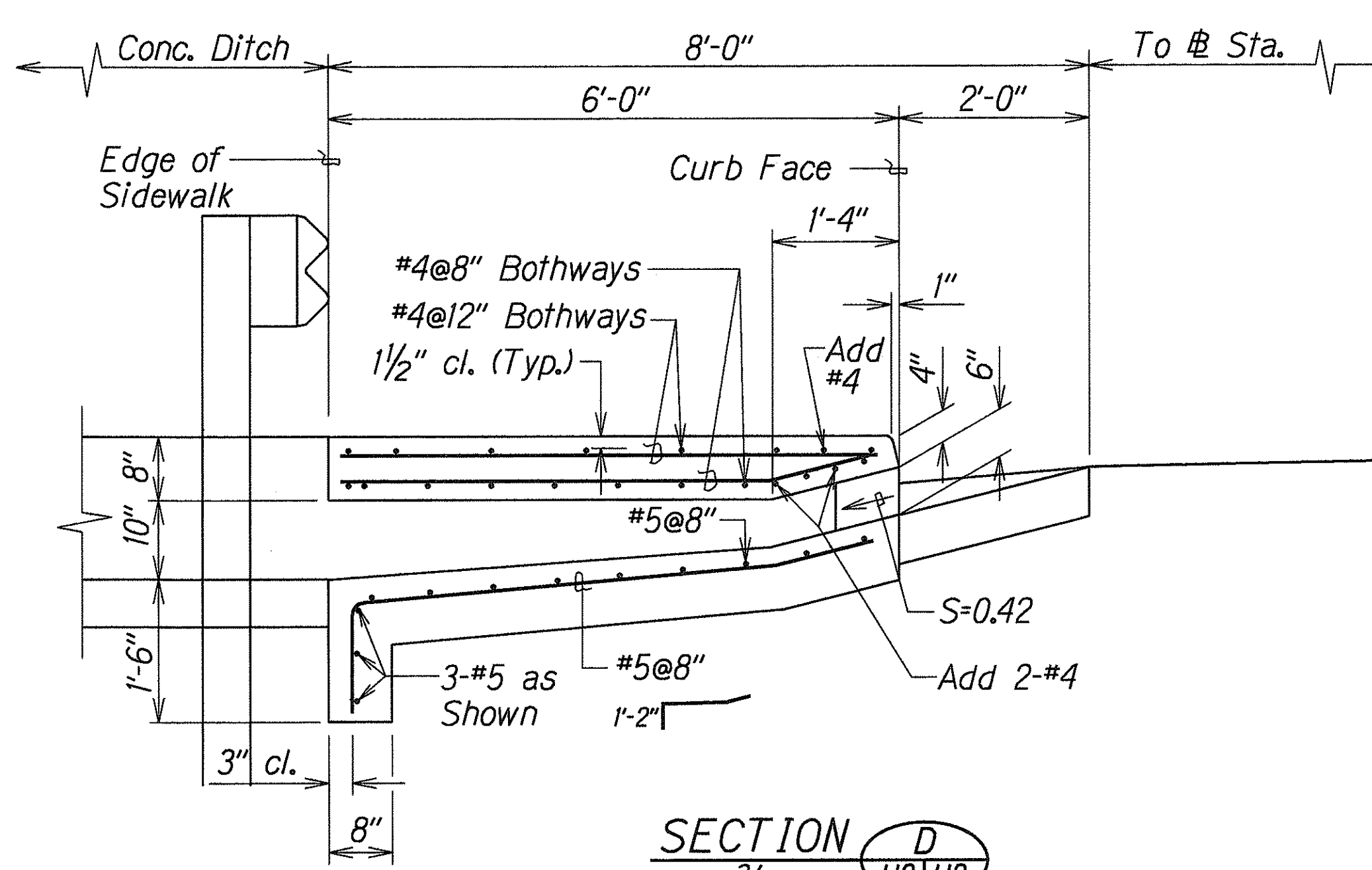


PLAN
Scale: 1/2" = 1'-0"



SECTION B
Scale: 3/4" = 1'-0"

SECTION D
Scale: 3/4" = 1'-0"



DETAILS OF TYPE "I" LINED DRAINAGE DITCH

SURVEY PLOTTED BY	DATE
DRAWN BY	5/21/98
TRACED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
3/20/11/15/21/11	
4/11/11/10/2/11	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

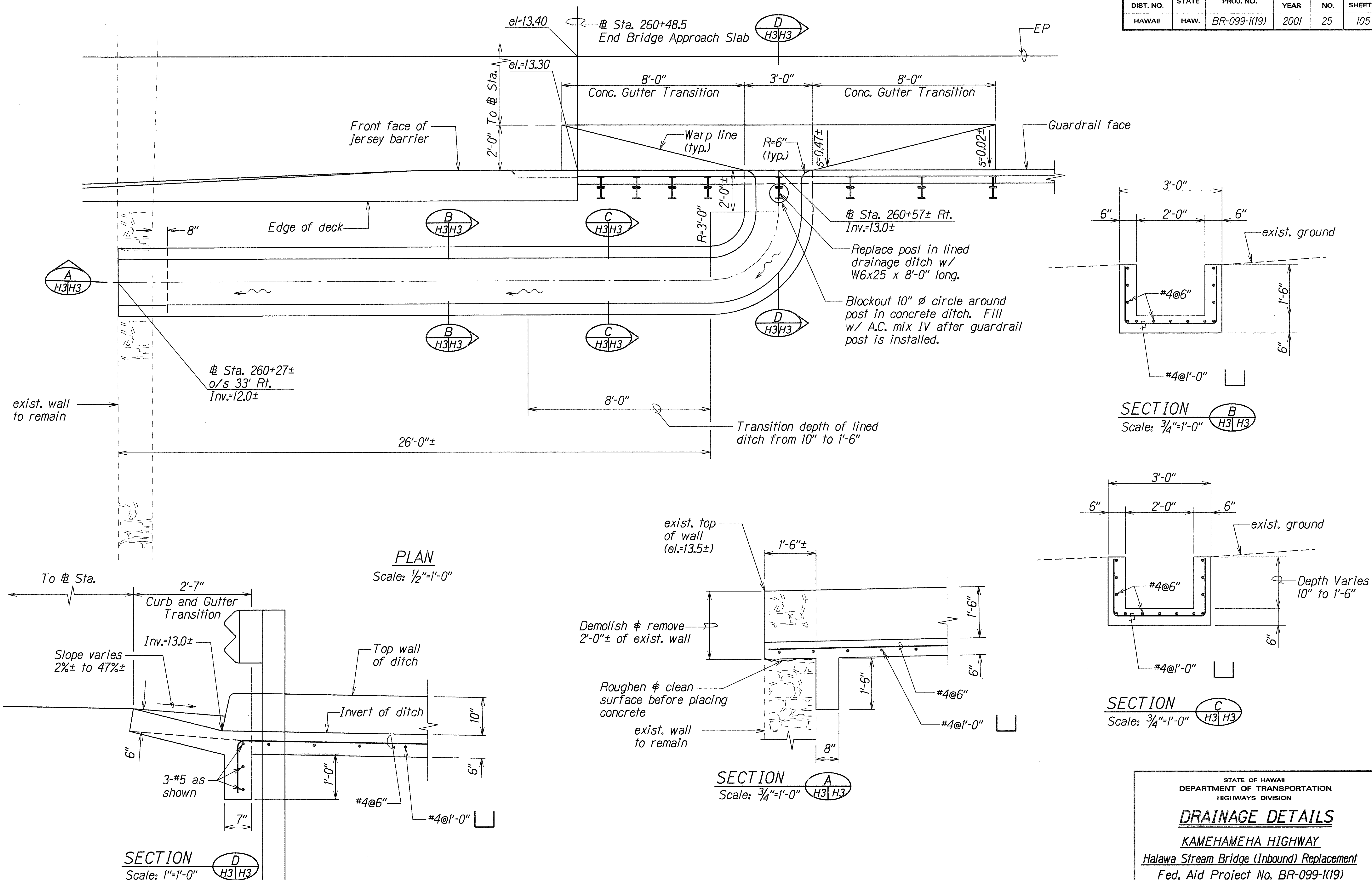
DRAINAGE DETAILS

KAMEHAMEHA HIGHWAY
Halawa Stream Bridge (Inbound) Replacement
Fed. Aid Project No. BR-099-1(19)

Scale: As Shown Date: Aug, 2000

SHEET No. H2 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-099-1(19)	2001	25	105



STATE OF HAWAII
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DRAINAGE DETAILS

KAMEHAMEHA HIGHWAY
Halawa Stream Bridge (Inbound) Replacement
Fed. Aid Project No. BR-099-1(19)

Scale: As Shown Date: Aug, 2000

SHEET No. H3 OF 3 SHEETS