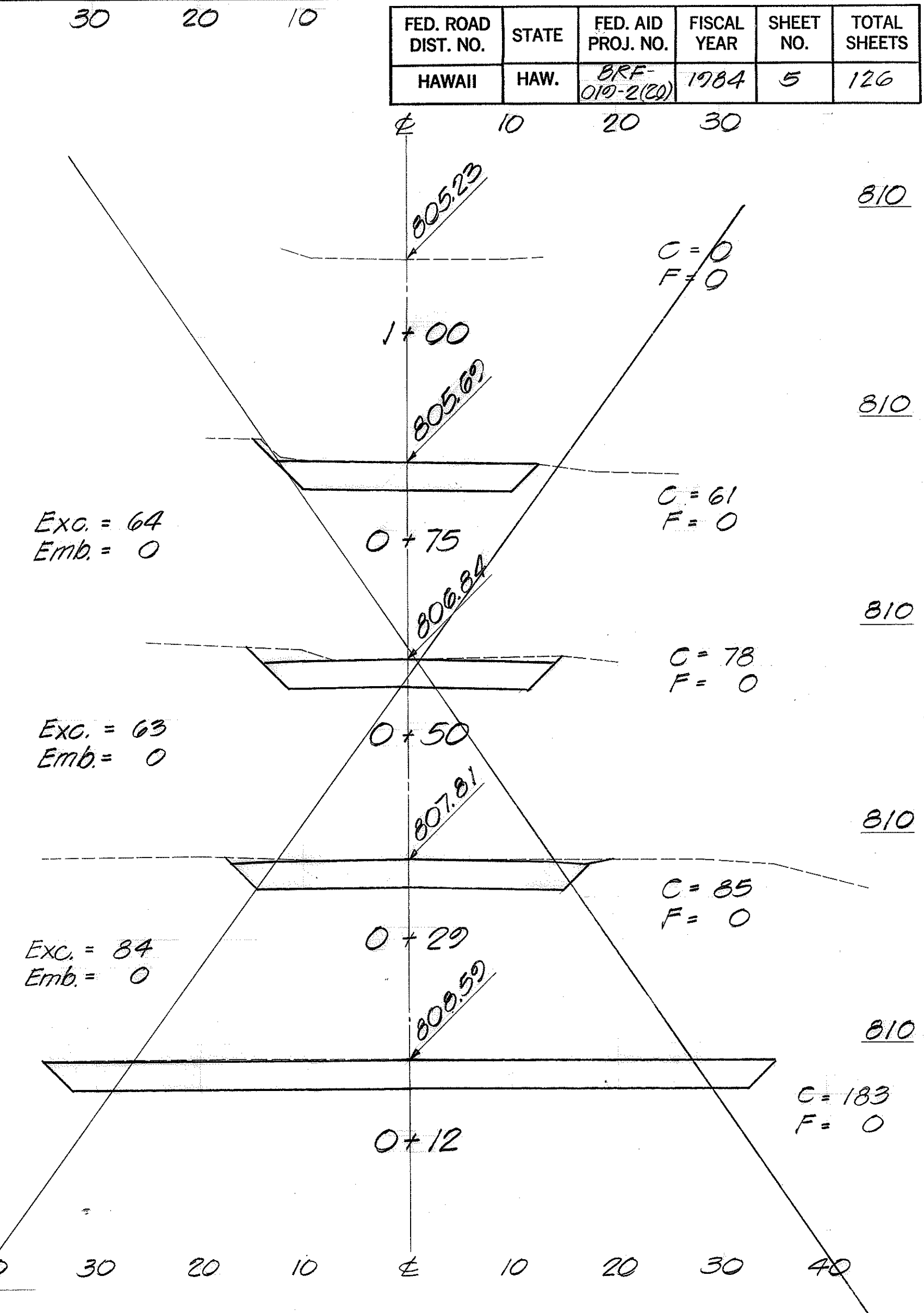
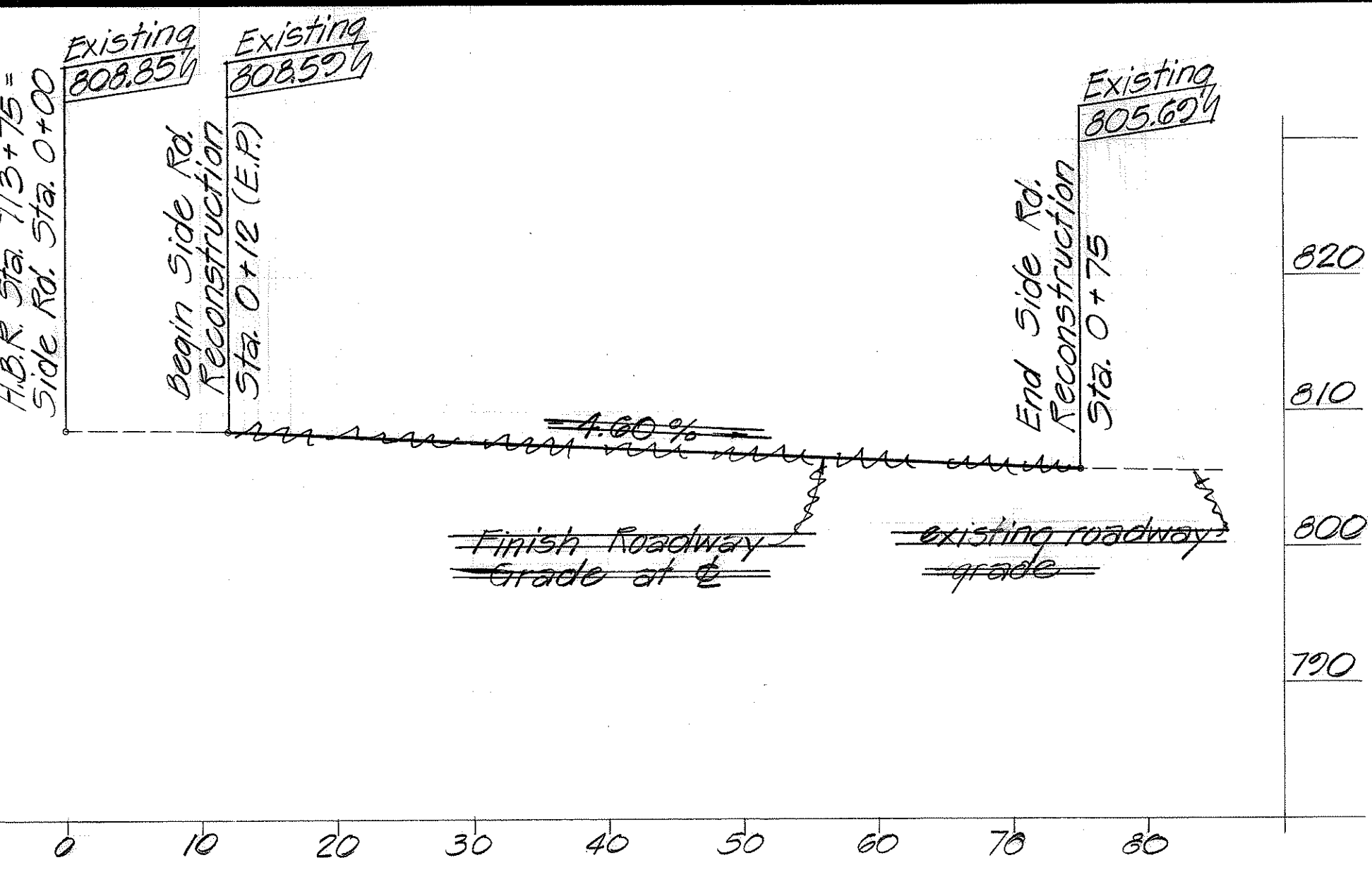
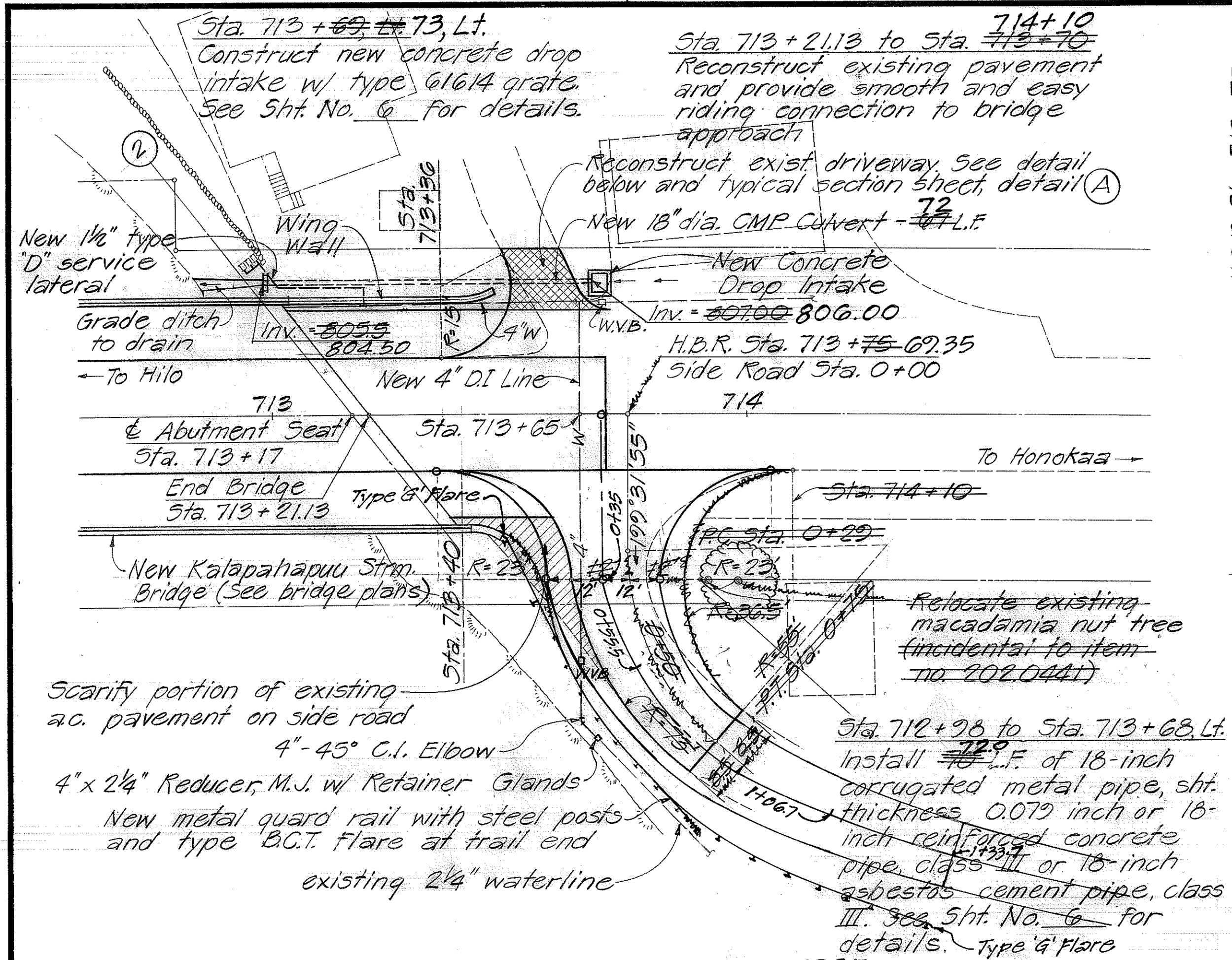
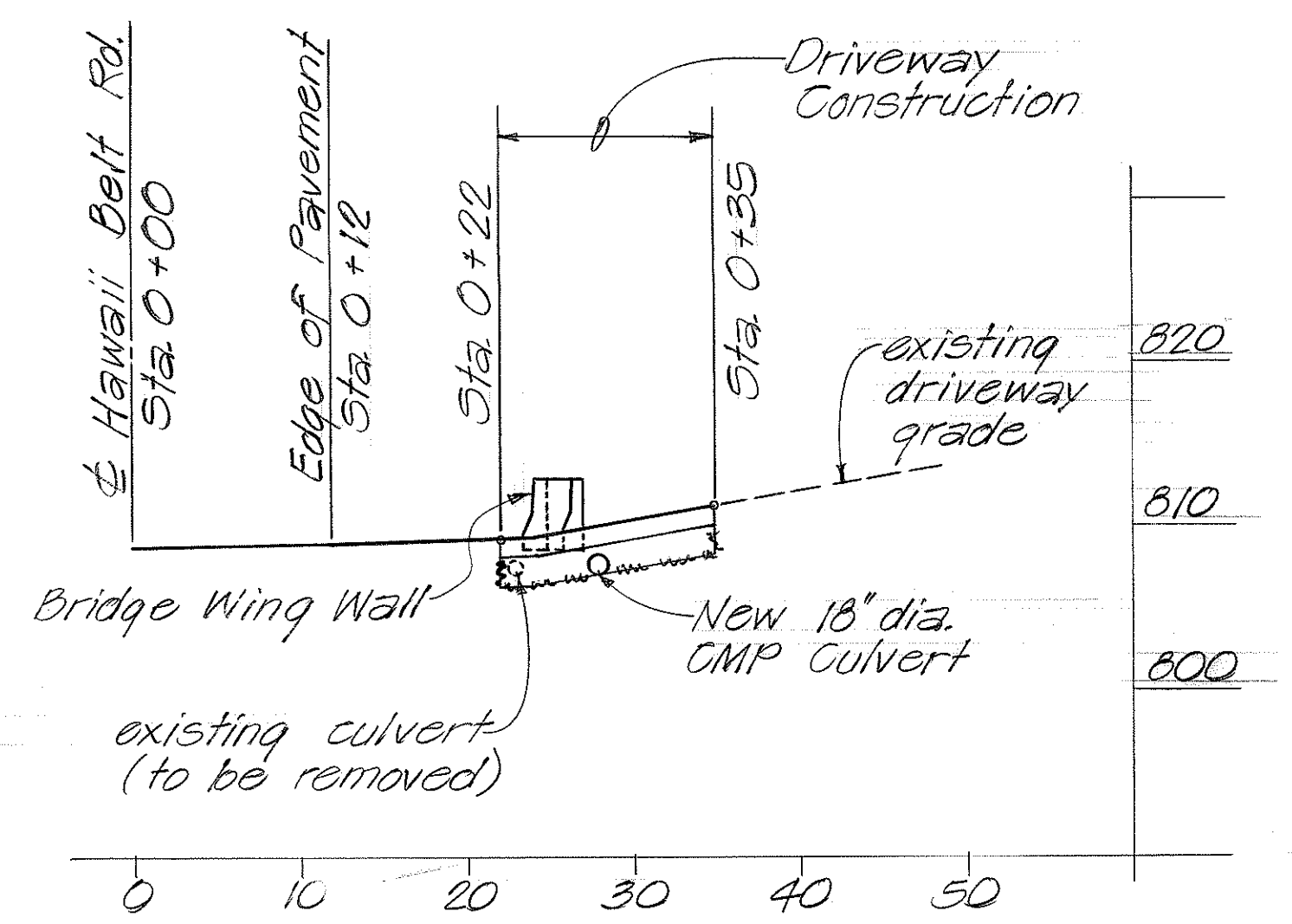


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BRF-010-2(20)	1984	5	126



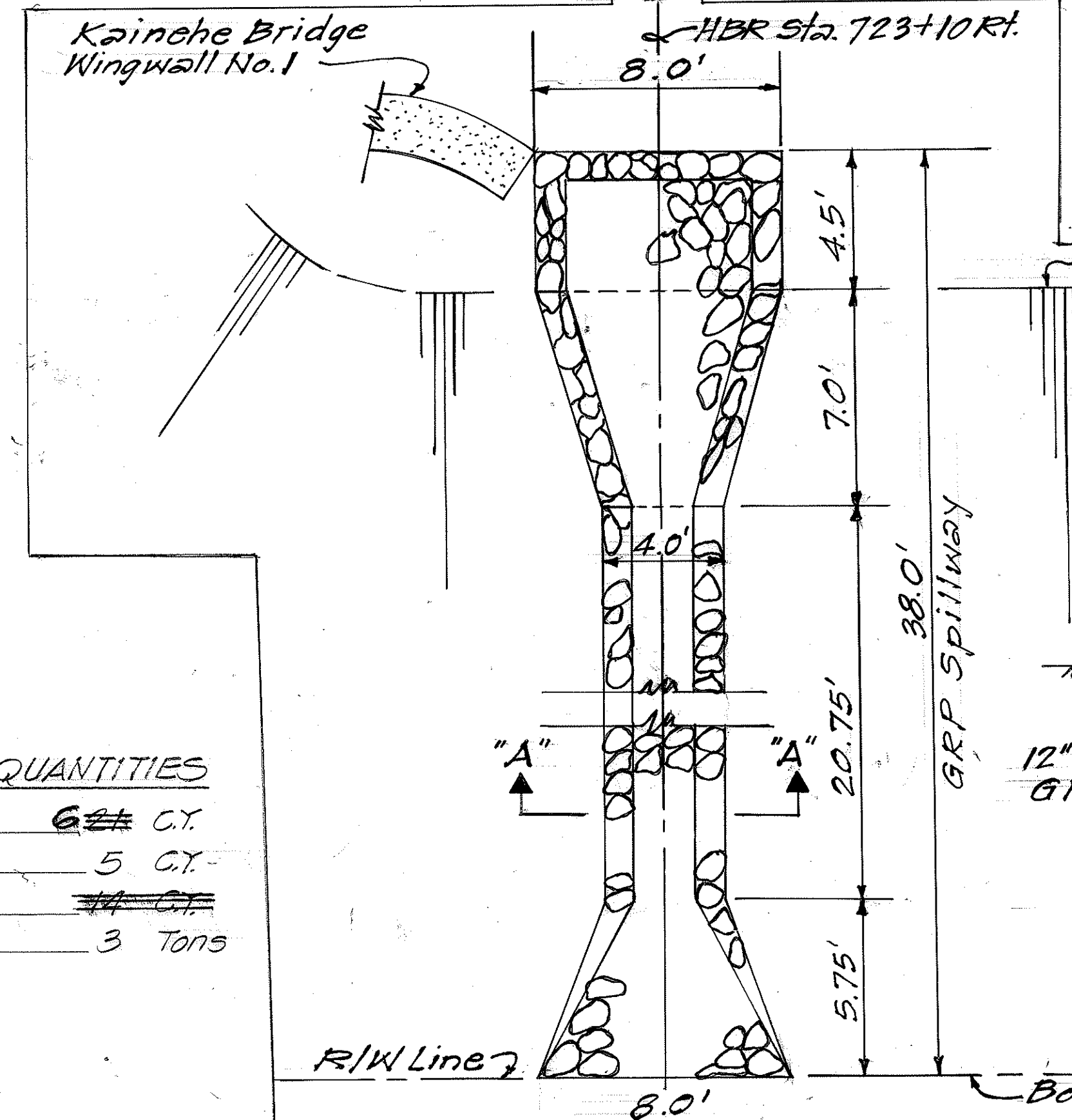
PLAN ~ SIDEROAD @ STA. 713+75 RT.
Scale: 1"=20' (REVISED: SEE SHT. NO. 5A)

Sta. 713+75 to Sta. 714+10
Construct smooth and easy riding connection to existing side road
Estimated Quantities
Roadway Excavation 110.21 C.Y.
Aggregate Base 68.40 C.Y.
Aggregate Subbase 160 C.Y.
A.C. Pavement, Mix No. II 38.25 Ton



DRIVEWAY ~ ESTIMATED QUANTITIES
Roadway Excavation 6.21 C.Y.
Aggregate Base 5 C.Y.
Aggregate Subbase 14 C.Y.
A.C. Pavement, Mix No. II 3 Tons

DRIVEWAY @ STA. 713+63 Lt.
Scale: 1"=10'



SPILLWAY ~ EST. QTY.
Struc. Exc. = 10.5 C.Y.
GRP = 8.0 C.Y.

SECTION "A-A"
Scale: 1/2"=1'-0"

GRP SPILLWAY @ HBR STA. 723+10 RT.

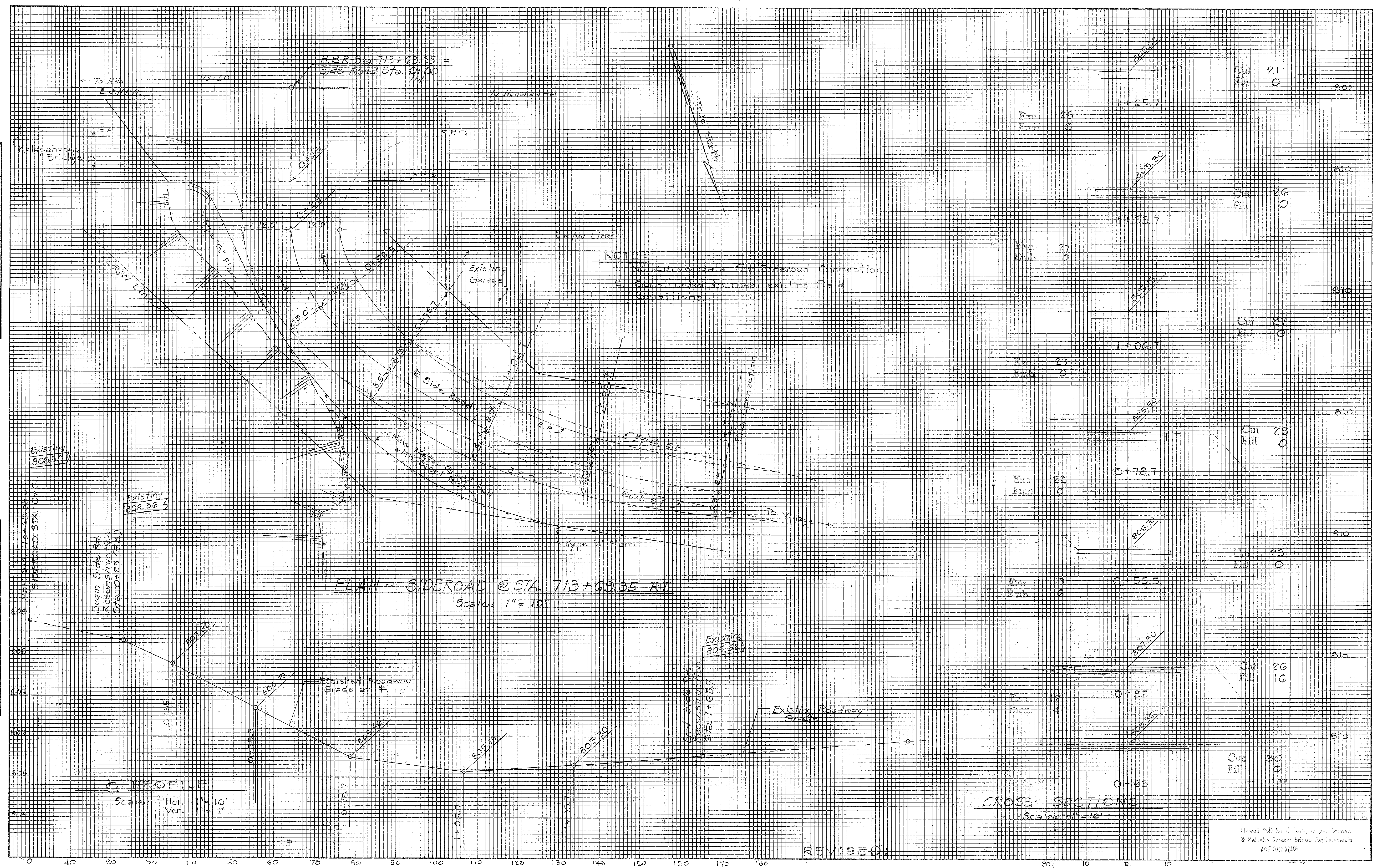
PLAN (C.C.Q. NO. 18)
Scale: 1/4"=1'-0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIDEROAD CONNECTION
DETAILS @ STA. 713+75 RT.
HAWAII BELT ROAD
Kalapahappu Strm. and Kainehe Strm.
Bridge Replacements
Fed. Aid Proj. No. BRF-010-2(20)
Scale: As Shown Date: June 1983
SHEET NO. 1 OF 3 SHEETS

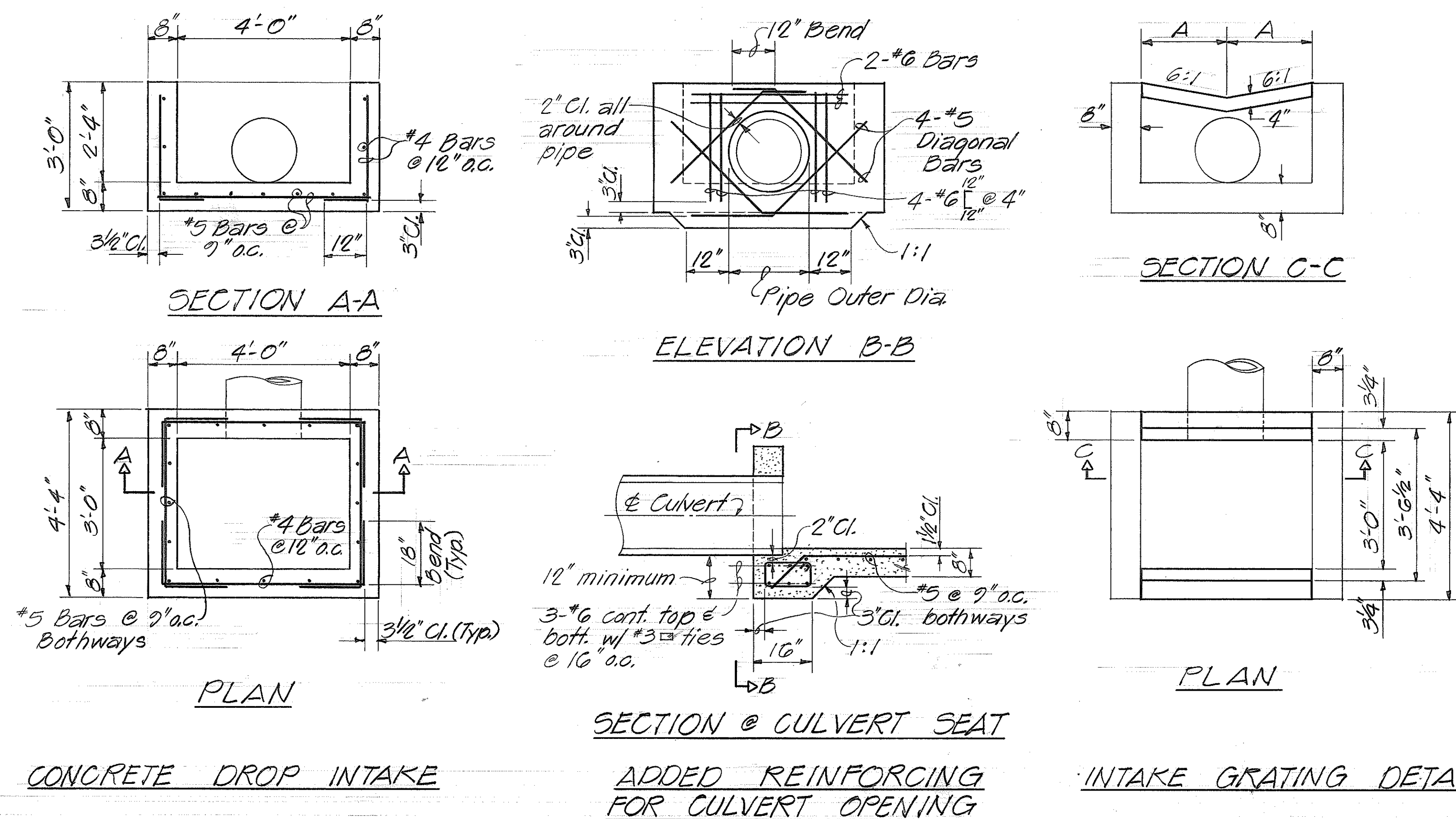
ORIGINAL PLAN	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NO.	

NO.	DATE	BY	CHKD.
1	11/16	RA	
2	11/16	RA	
3	11/16	RA	
4	11/16	RA	
5	11/16	RA	
6	11/16	RA	
7	11/16	RA	
8	11/16	RA	
9	11/16	RA	
10	11/16	RA	

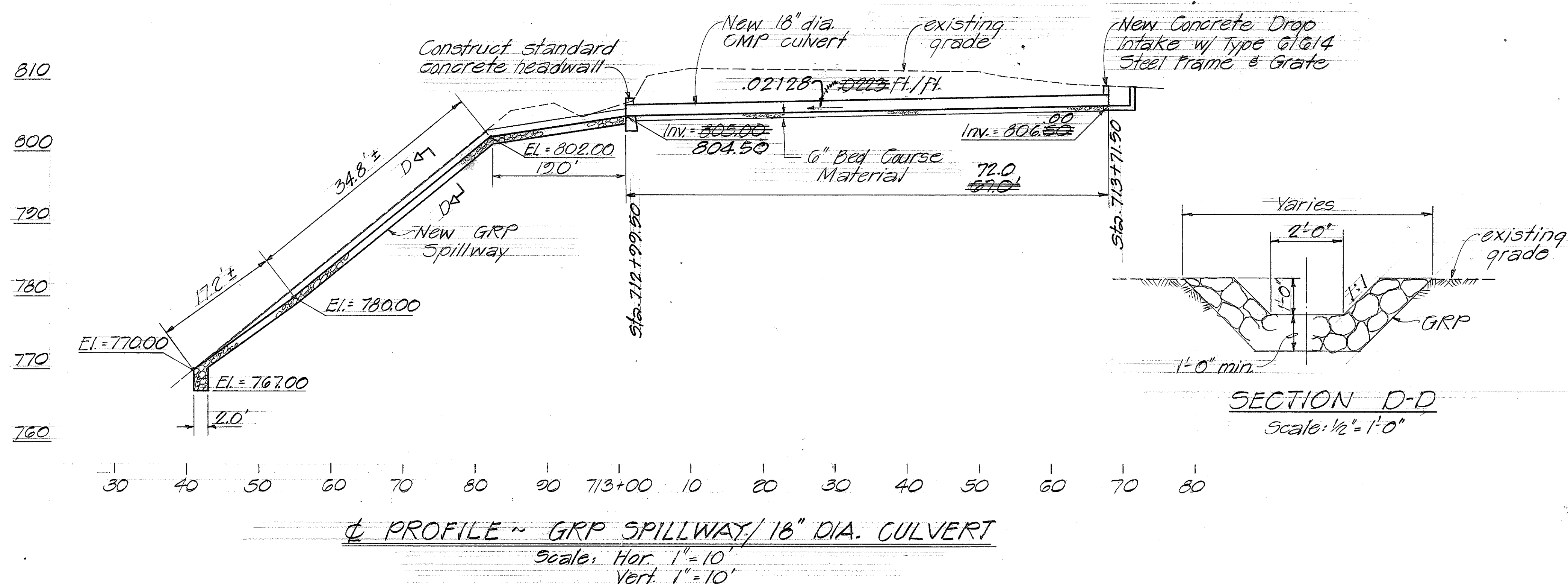
NO.	DATE	BY	CHKD.
1	11/16	RA	
2	11/16	RA	
3	11/16	RA	
4	11/16	RA	
5	11/16	RA	
6	11/16	RA	
7	11/16	RA	
8	11/16	RA	
9	11/16	RA	
10	11/16	RA	



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BRF-019-2(20)	1984	6	126



DETAILS FOR CONCRETE DROP INTAKE @ STA. 713+⁷³₆₂ LT
Scale: 1/2" = 1'-0"



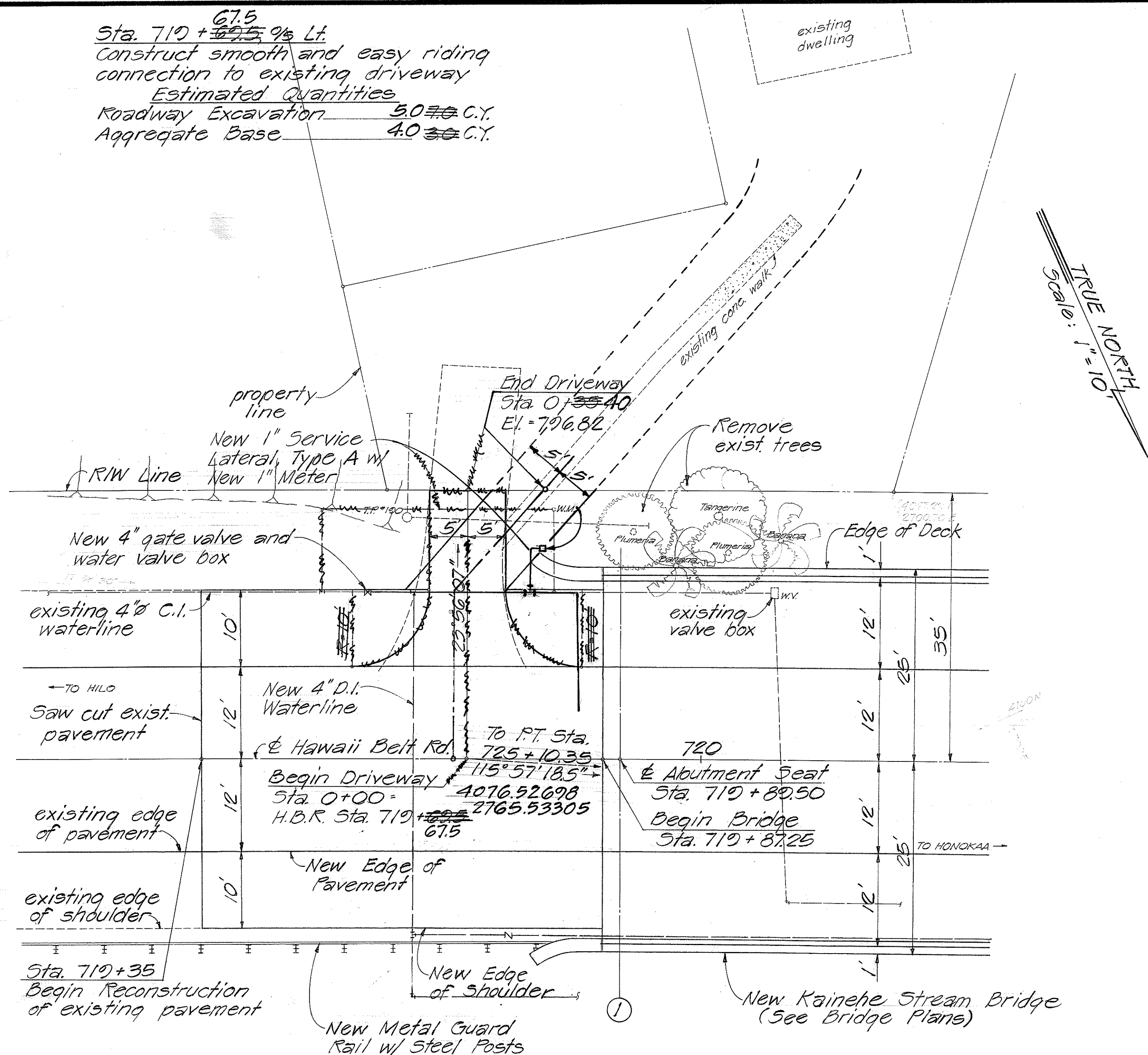
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONC. DROP INTAKE @ STA. 713+⁷³₆₂ LT
& GRP SPILLWAY/18" DIA. CULVERT PROFILES

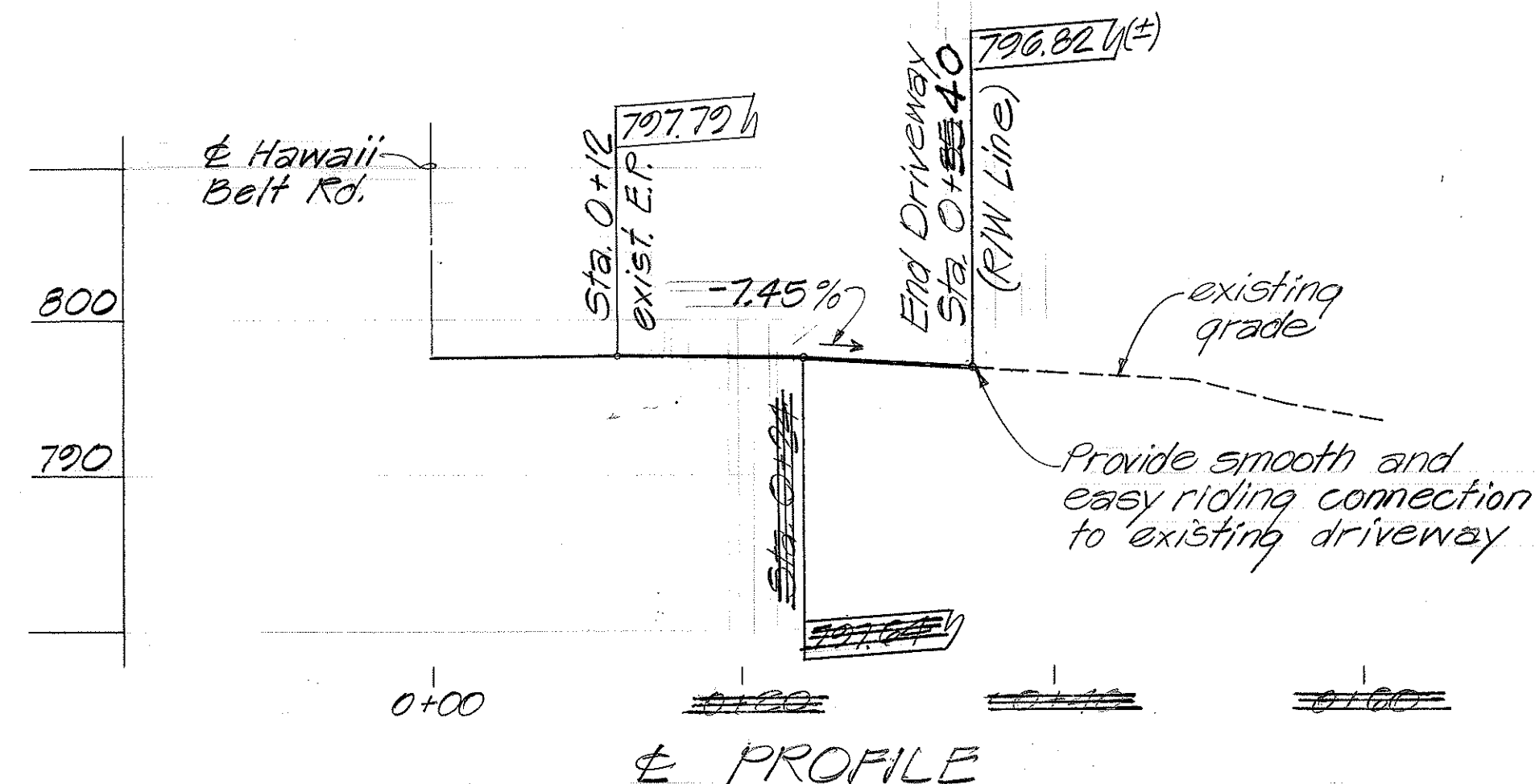
HAWAII BELT ROAD
Kalapahau Strm. and Kainehe Strm.
Bridge Replacements
Fed. Aid Proj. No. BRF-019-2(20)
Scale: As Noted Date: June 1983

SHEET NO. 2 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BRE-019-2(20)	1984	7	126

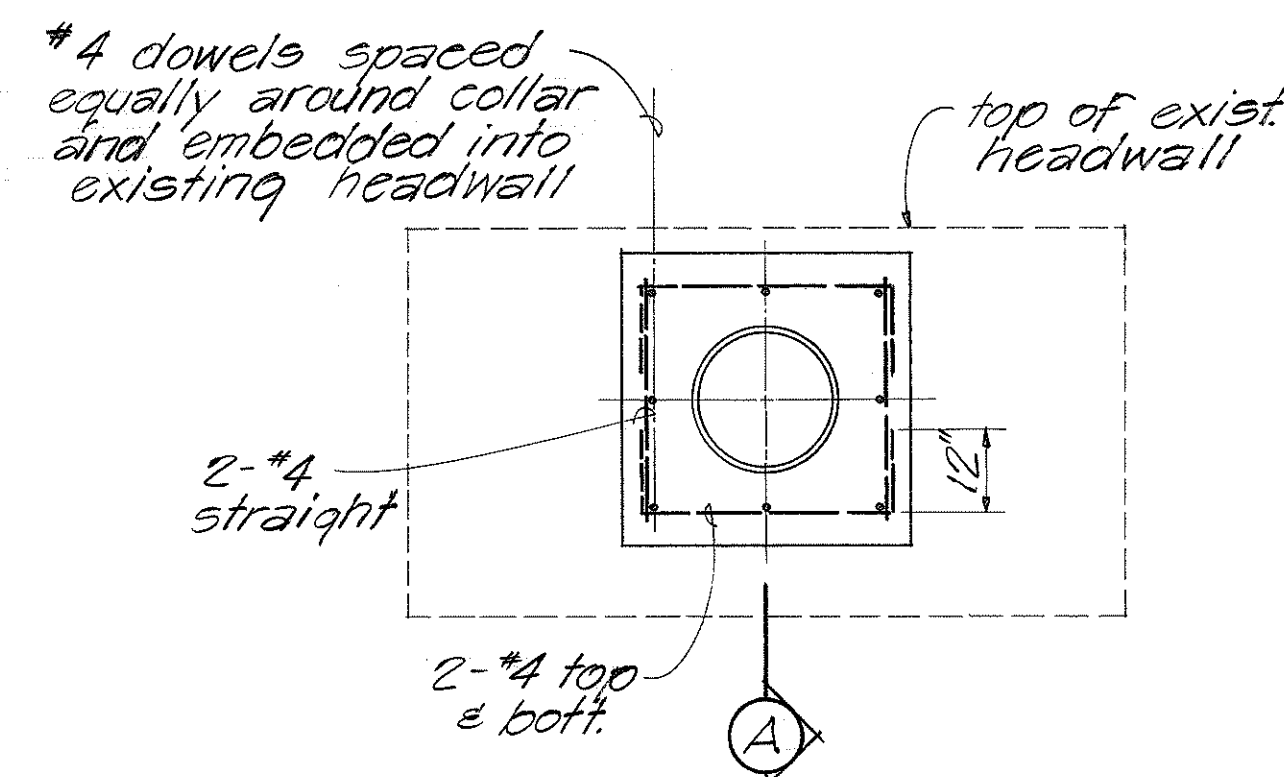
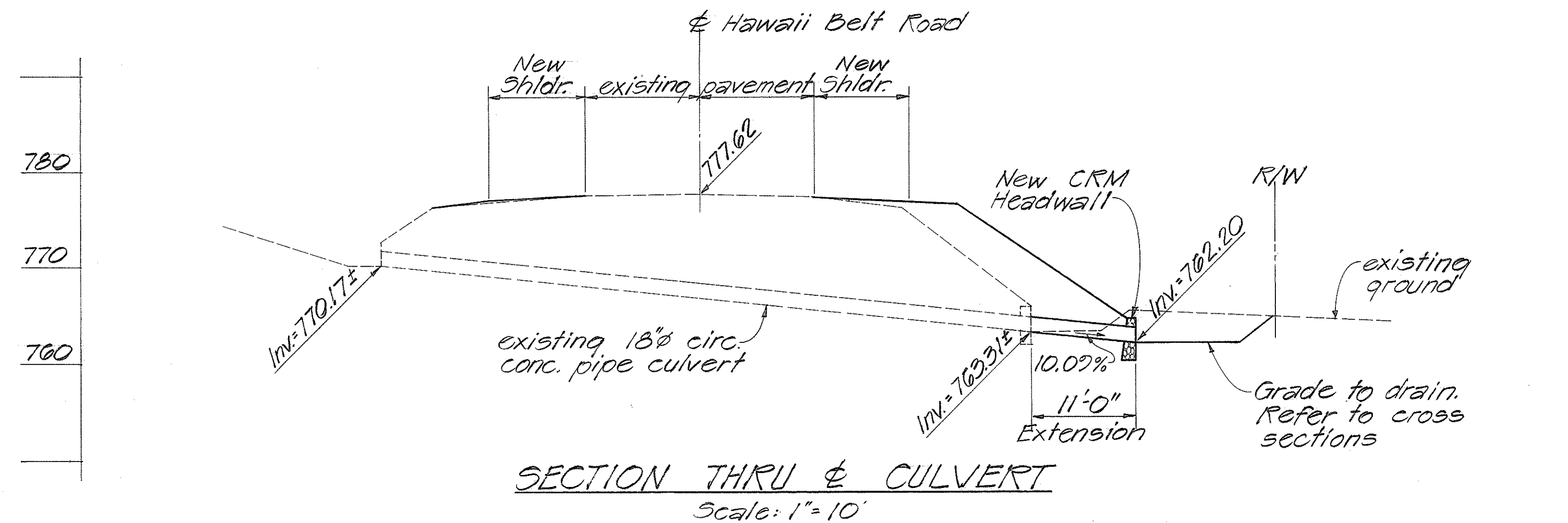


PLAN

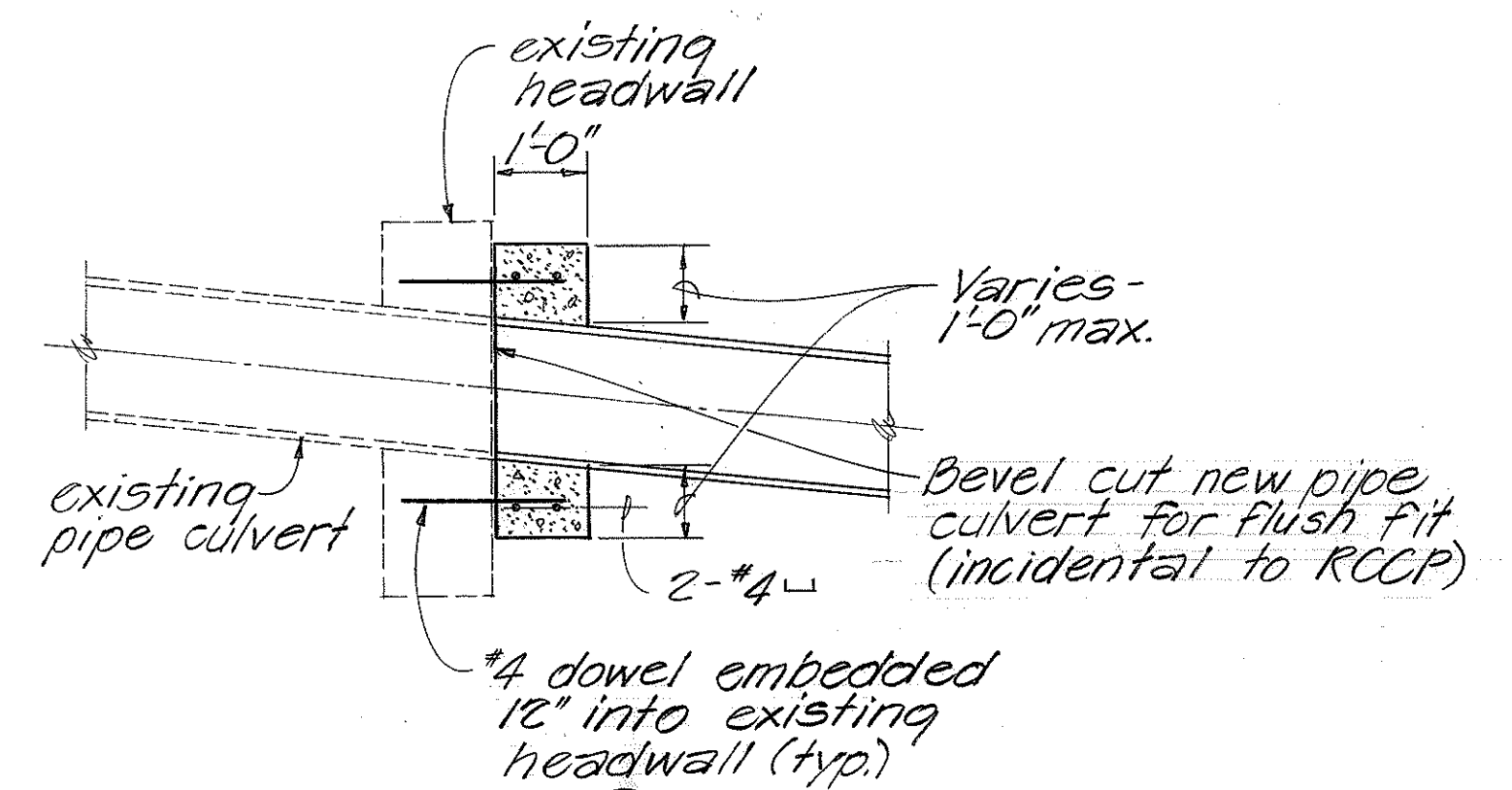


& PROFILE

DRIVEWAY CONNECTION DETAILS @ STA. 719+67.5 LT.
Not to Scale



EXIST. HEADWALL ELEVATION
Scale: 1/2"=1'-0"



SECTION (A)
Sc: 1/2"=1'-0"

REINFORCED CONCRETE COLLAR DETAIL

ESTIMATED QUANTITIES

Structure Excavation	3.6 C.Y.
Ditch and Channel Excavation	65.0 C.Y.
Class B Concrete	0.5 C.Y.
Reinforcing Steel	20.0 LB.
Bed Course Material	1.3 C.Y.
18-Inch Reinf. Conc. Pipe, Cl. III	11.0 L.F.
Concrete Rubble Masonry	1.3 C.Y.
Structure Backfill	3.5 C.Y.

CULVERT DETAILS @ STA. 727+00

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRIVEWAY DETAIL @ STA. 719+67.5 LT.
& CULVERT DETAIL @ STA. 727+00
HAWAII BELT ROAD
Kalapahau Strm. and Kainehe Strm.
Bridge Replacements
Fed. Aid Proj. No. BRE-019-2(20)
Scale: As Shown Date: June 1983
SHEET NO. 3 OF 3 SHEETS

DATE	
SURVEY PLOTTED BY	
PLAN	
DRAWN BY	
TRACED BY	
DESIGNED BY	
CHECKED BY	
NO.	