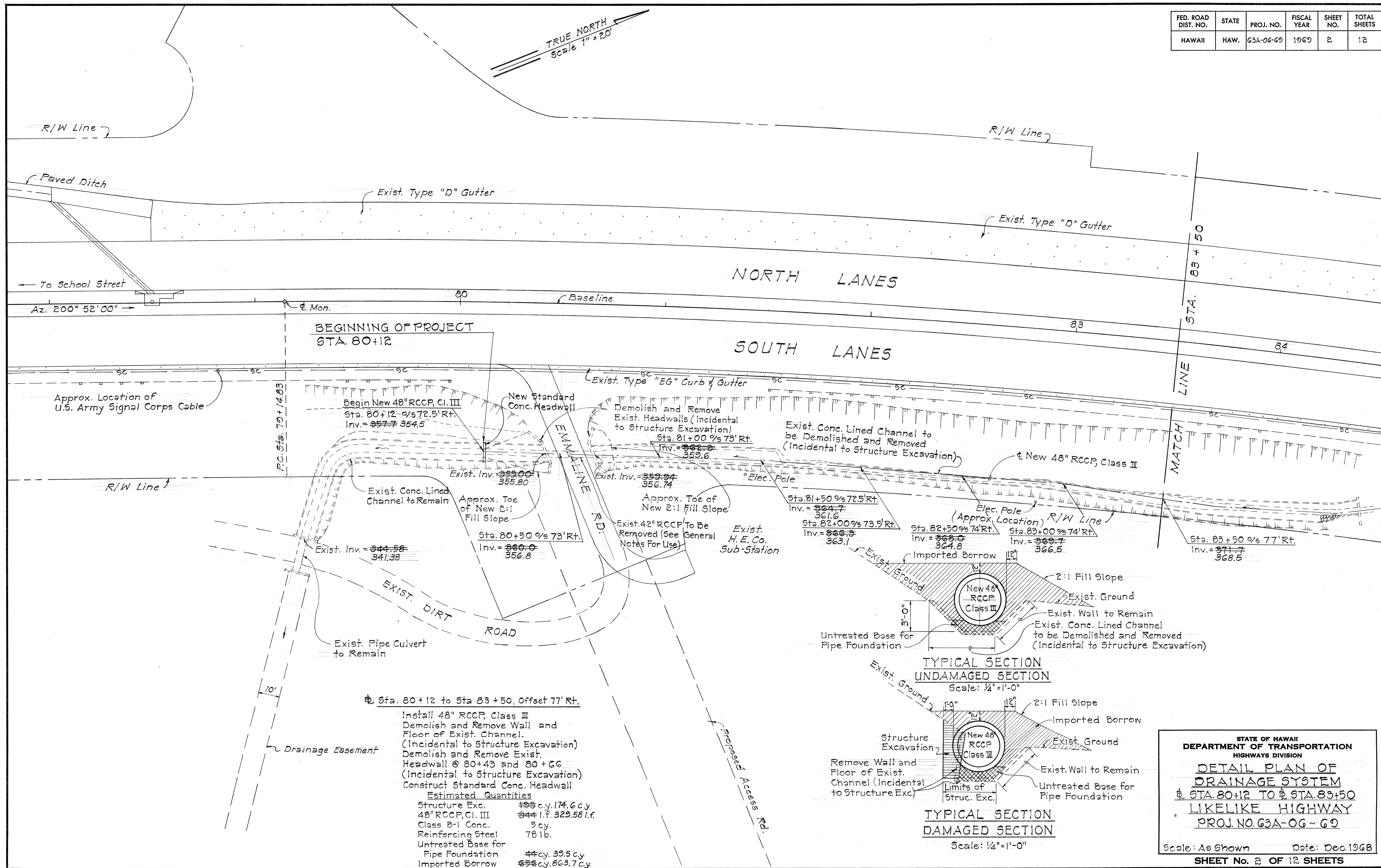


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-06-69	1969	2	12

ORIGINAL PLAN	DATE	10-3-69
DESIGNED BY	DESIGNED BY	F. WONG
CHECKED BY	CHECKED BY	
NO.	NO.	



TYPICAL SECTION
UNDAMAGED SECTION
Scale: 1/4" = 1'-0"

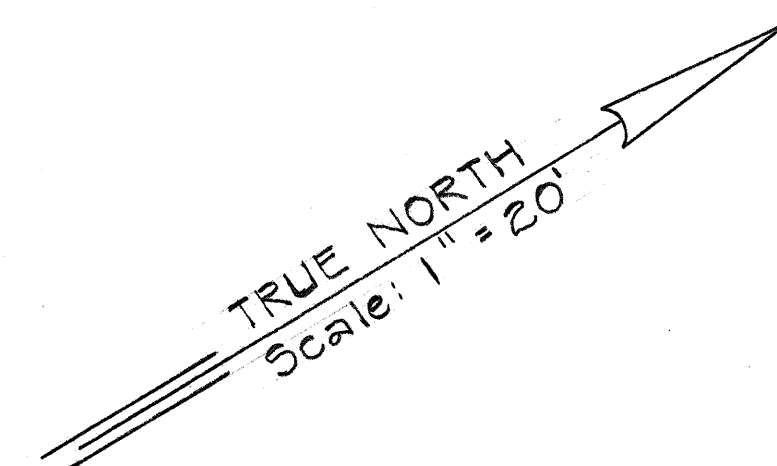
TYPICAL SECTION
DAMAGED SECTION
Scale: 1/4" = 1'-0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF DRAINAGE SYSTEM
STA. 80+12 TO # STA. 83+50
LIKELIKE HIGHWAY
PROJ. NO. 63A-06-69

Scale: As Shown Date: Dec. 1968
SHEET No. 2 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-06-60	1960	3	12



Sta. 88+00 Offset 80' Left

Construct New C.D.I. Including a GRP Apron.
(For Details See Sht. 6)
Inv. to be Determined in the Field to Conform to Existing Ground.
Remove Existing 24" RCCP (Incidental to Struct. Exc.)
Install New 42" RCCP, Class III or
Relay Exist. 42" RCCP, Class III and
Install New 42" RCCP, Class III

Estimated Quantities

Structure Excavation 112.4 ~~113~~ c.y.
Class "B-1" Conc. 8.1 ~~7~~ c.y.
42" RCCP, Class III 0.00 ~~48~~ l.f.
~~GRP~~ Class A-1 Concrete 3.33 ~~29~~ c.y.
Trash Rack 1 ea.
Remove, Clean and Relay Existing 42" RCCP 23.6 ~~40~~ l.f.
Install New 42" RCCP, Class III 16.6 ~~2~~ l.f.

Note: Payment under Item 65.01 (GRP) A-1 concrete used in Lieu of GRP

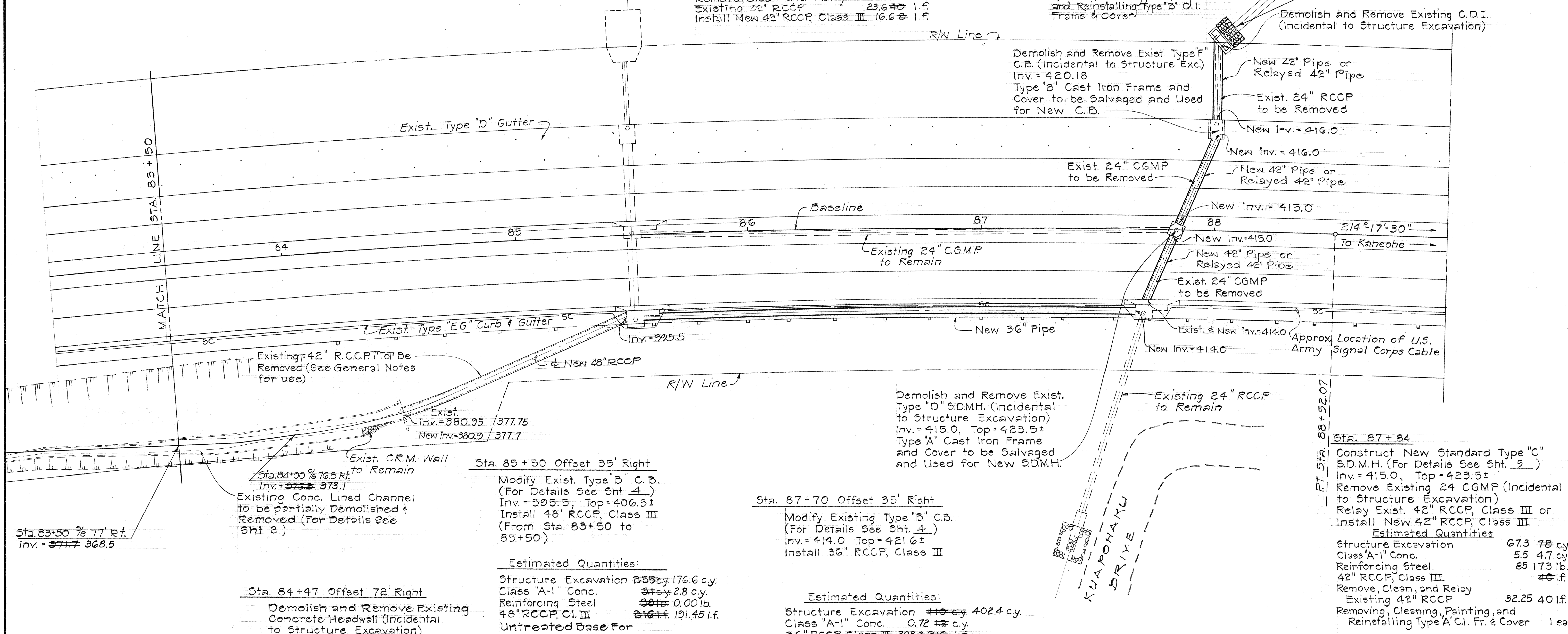
Sta. 88+00 Offset 45' Left

Construct New Type "F" C.B. (For Details See Sht. 6)
Inv. = 416.0, Top = 425.0±
Remove Existing 24" CGMP (Incidental to Structure Excavation)
Relay Exist. 42" RCCP, Class III or
Install New 42" RCCP, Class III

Estimated Quantities

Structure Excavation 82.8 ~~114~~ c.y.
Class "A-1" Conc. 7.4 ~~76~~ c.y.
Reinf. Steel 155 ~~170~~ l.b.
42" RCCP, Class III 48 l.f.
Remove, Clean and Relay Existing 42" RCCP 40.3 ~~40~~ l.f.
Remove, Cleaning, Painting and Reinstalling Type "B" C.I. Frame & Cover 1 ea.

END OF PROJECT
STA. 88+00 %S LEFT



DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
NO.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF
DRAINAGE SYSTEM
STA. 83+50 TO # STA. 88+00
LIKELIKE HIGHWAY
PROJ. NO. 63A-06-60

Scale: 1" = 20' Date: Dec. 1968
SHEET No. 3 OF 12 SHEETS