

GENERAL NOTES

1. Resetting or Adjusting of water meter boxes, signs, mail boxes and any guy wire anchors shall be considered incidental to the various contract items.

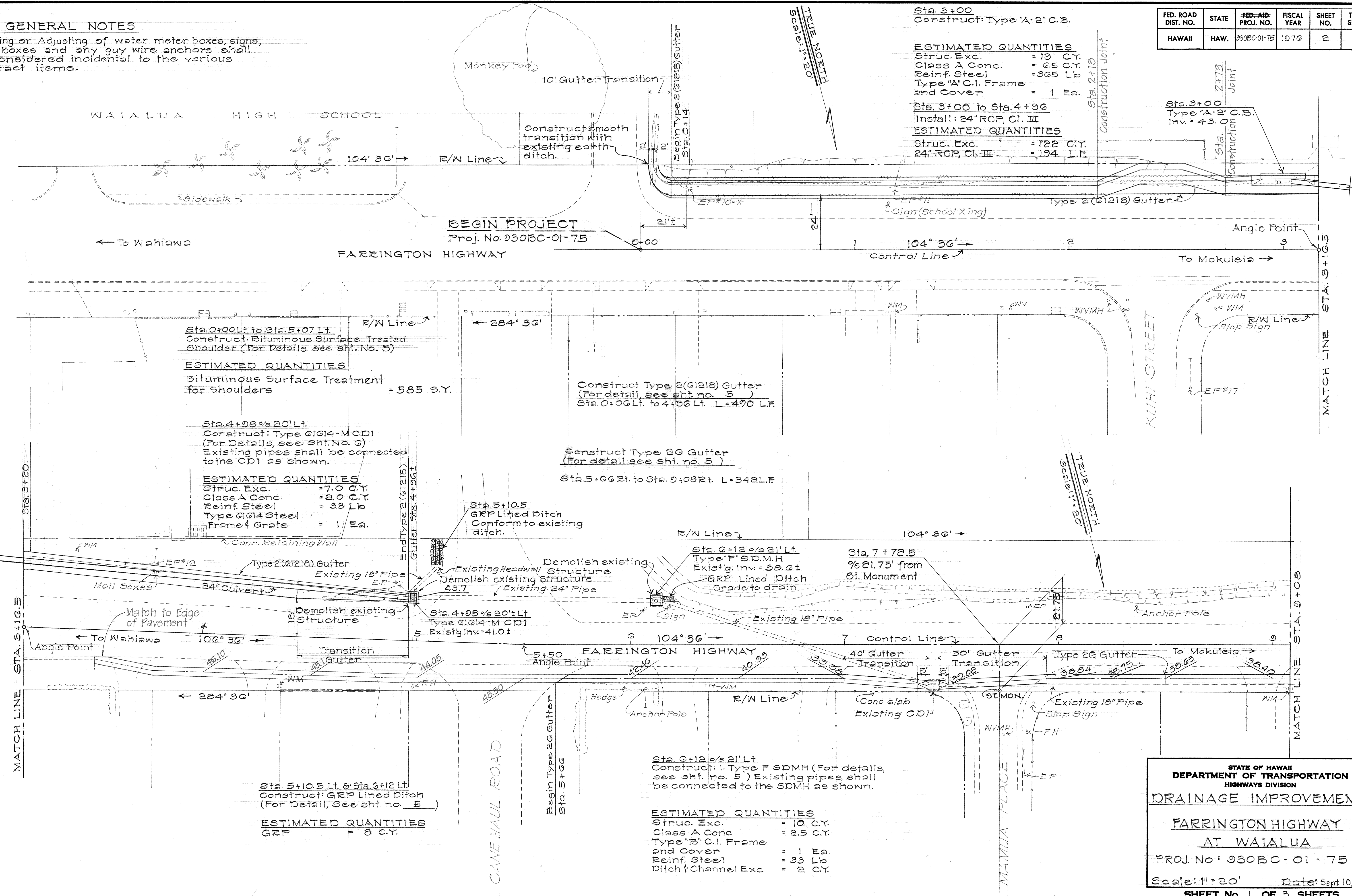
FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	930BC-01-75	1976	2	3

Sta. 3+00
Construct: Type 'A-2' C.B.

ESTIMATED QUANTITIES
Struc. Exc. = 19 C.Y.
Class A Conc. = 6.5 C.Y.
Reinf. Steel = 365 Lb
Type 'A' C.I. Frame and Cover = 1 Ea.

Sta. 3+00 to Sta. 4+96
Install: 24" RCP, Cl. III
ESTIMATED QUANTITIES
Struc. Exc. = 122 C.Y.
24" RCP, Cl. III = 194 L.F.

Sta. 3+00
Type 'A-2' C.B.
Inv. = 43.0'



Sta. 0+00 Lt. to Sta. 5+07 Lt.
Construct: Bituminous Surface Treated Shoulder (For Details see sht. No. 5)
ESTIMATED QUANTITIES
Bituminous Surface Treatment for Shoulders = 585 S.Y.

Sta. 4+08 to Sta. 5+07 Lt.
Construct: Type GIG14-M CD1 (For Details, see sht. No. 5)
Existing pipes shall be connected to the CD1 as shown.
ESTIMATED QUANTITIES
Struc. Exc. = 7.0 C.Y.
Class A Conc. = 2.0 C.Y.
Reinf. Steel = 33 Lb
Type GIG14 Steel Frame & Grate = 1 Ea.

Construct Type 2G Gutter (For detail see sht. no. 5)
Sta. 0+06 Lt. to 4+36 Lt. L=490 L.F.
Construct Type 2G Gutter (For detail see sht. no. 5)
Sta. 5+66 Rt. to Sta. 9+08 Rt. L=342 L.F.

Sta. 5+10.5
GRP Lined Ditch
Conform to existing ditch.

Sta. 6+12 to Sta. 7+72.5
Type 'F' S.D.M.H.
Existg. Inv. = 38.61
GRP Lined Ditch
Grade to drain

Sta. 7+72.5
%21.75' from St. Monument

Sta. 4+08 to Sta. 5+07 Lt.
Type GIG14-M CD1
Existg. Inv. = 41.0'

Sta. 6+12 to Sta. 7+72.5
Construct: Type 'F' S.D.M.H. (For details, see sht. no. 5) Existing pipes shall be connected to the S.D.M.H. as shown.

ESTIMATED QUANTITIES
Struc. Exc. = 10 C.Y.
Class A Conc. = 2.5 C.Y.
Type 'B' C.I. Frame and Cover = 1 Ea.
Reinf. Steel = 33 Lb
Ditch & Channel Exc = 2 C.Y.

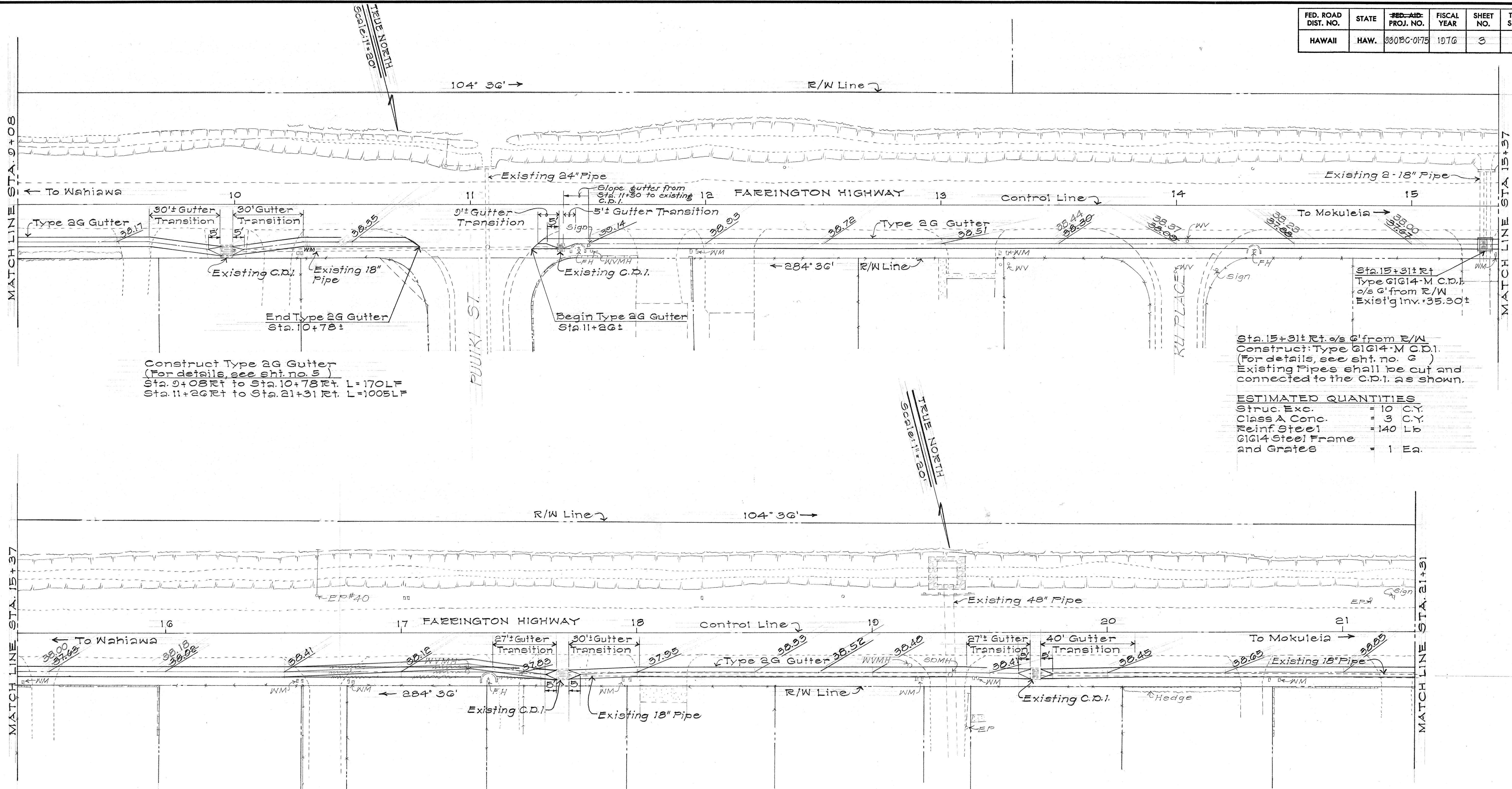
Sta. 5+10.5 Lt. to Sta. 6+12 Lt.
Construct: GRP Lined Ditch (For Detail, See sht. no. 5)

ESTIMATED QUANTITIES
GRP = 8 C.Y.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DRAINAGE IMPROVEMENTS
FARRINGTON HIGHWAY
AT WAIALUA
PROJ. NO: 930BC-01-75
Scale: 1" = 20' Date: Sept. 10, 1975
SHEET No. 1 OF 3 SHEETS

DATE	
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	930BC-0175	1976	3	9



Construct Type 2G Gutter
(For details, see sht. no. 5)
Sta. 9+08 Rt. to Sta. 10+78 Rt. L=170LF
Sta. 11+26 Rt. to Sta. 21+31 Rt. L=1005LF

Sta. 15+31 Rt. o/s G from R/W
Construct Type GIG14-M C.D.I.
(For details, see sht. no. 6)
Existing Pipes shall be cut and
connected to the C.D.I. as shown.

ESTIMATED QUANTITIES
Struc. Exc. = 10 C.Y.
Class A Conc. = 3 C.Y.
Reinf. Steel = 140 Lb
GIG14 Steel Frame
and Grates = 1 Ea.

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACED BY	_____
NOTED BY	_____
CHECKED BY	_____
NO.	_____

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE IMPROVEMENTS

FARRINGTON HIGHWAY
AT WAIALUA

PROJ No: 930BC-01-75

Scale: 1" = 20' Date: Sept. 10, 1975

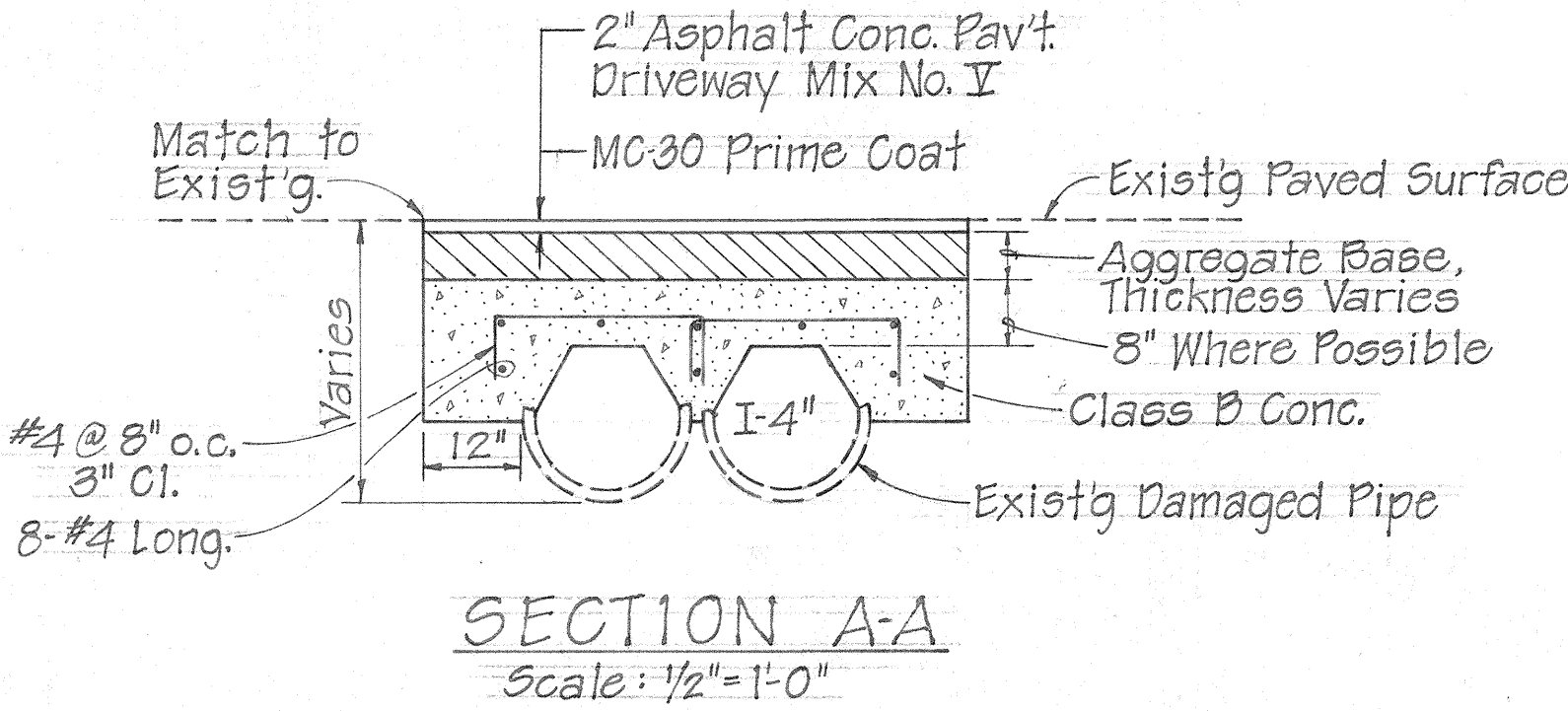
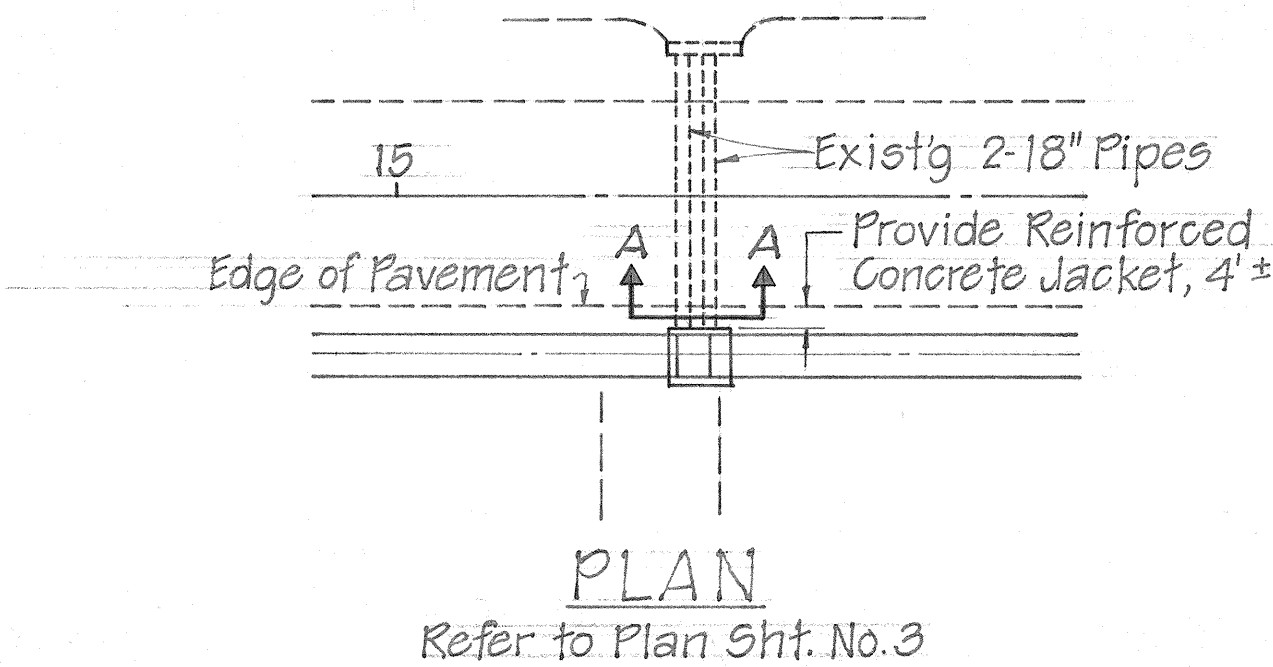
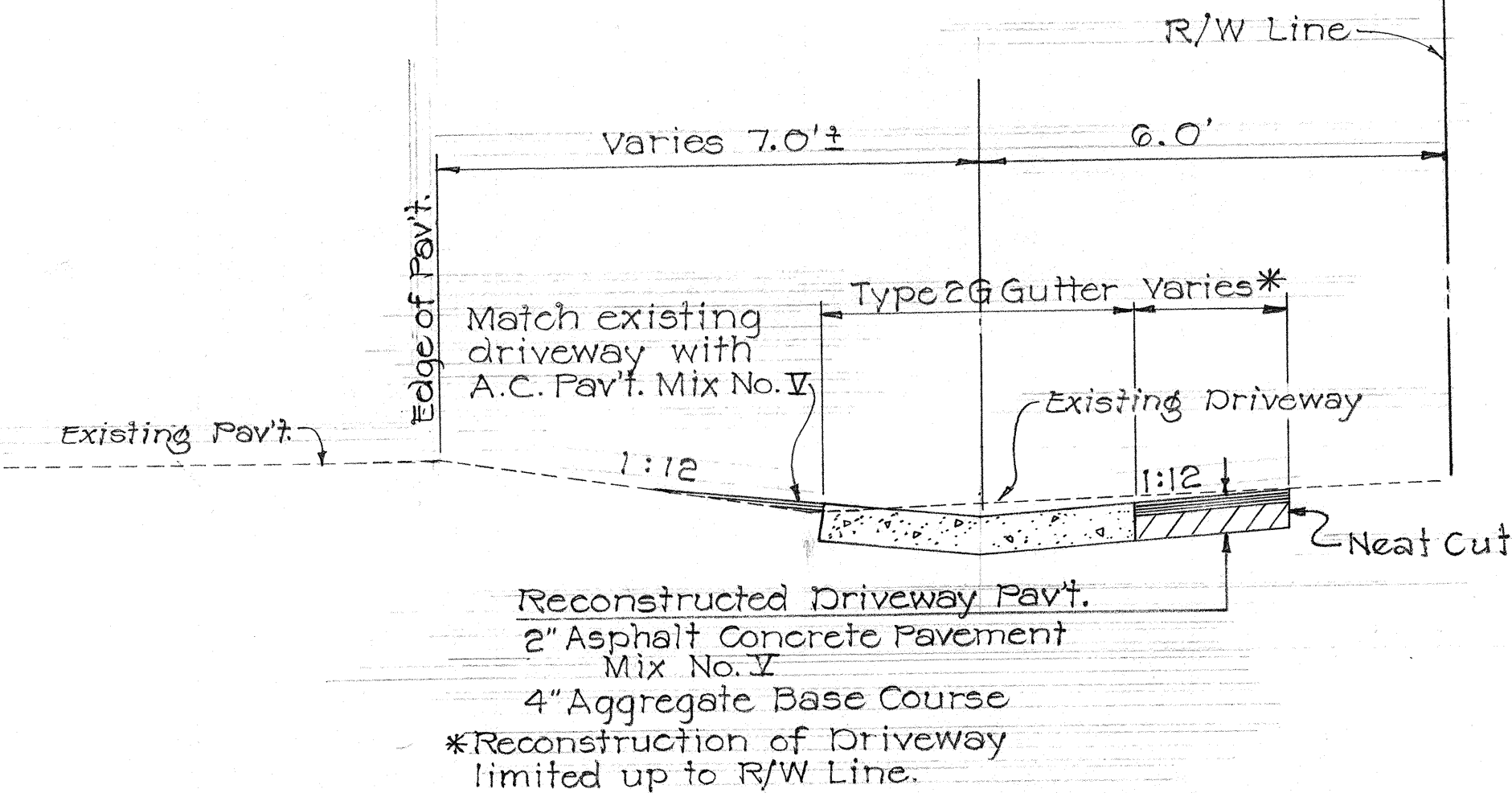
SHEET No. 2 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	930BC-01-75	1976	4	9

DRIVEWAY ADJUSTMENT SCHEDULE		
STATION (Right)	RECONSTRUCTION (Sq. Ft.)	PAVING (Sq. Ft.)
6+22	90	
6+82		80
7+25		160
8+95		155
9+58		115
10+19	140	
11+76		120
12+10		150
13+13	135	
14+01	260	
15+27	110	
15+48	100	
16+68		190
17+47	145	
18+11	190	
19+32		75
20+62	120	
21+23		130
21+47		175
21+99		175
22+64	150	
23+60		45
TOTAL	1440	1570

TYPICAL DRIVEWAY ADJUSTMENT

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



STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

DRAINAGE IMPROVEMENTS

FARRINGTON HIGHWAY

AT WAIALUA

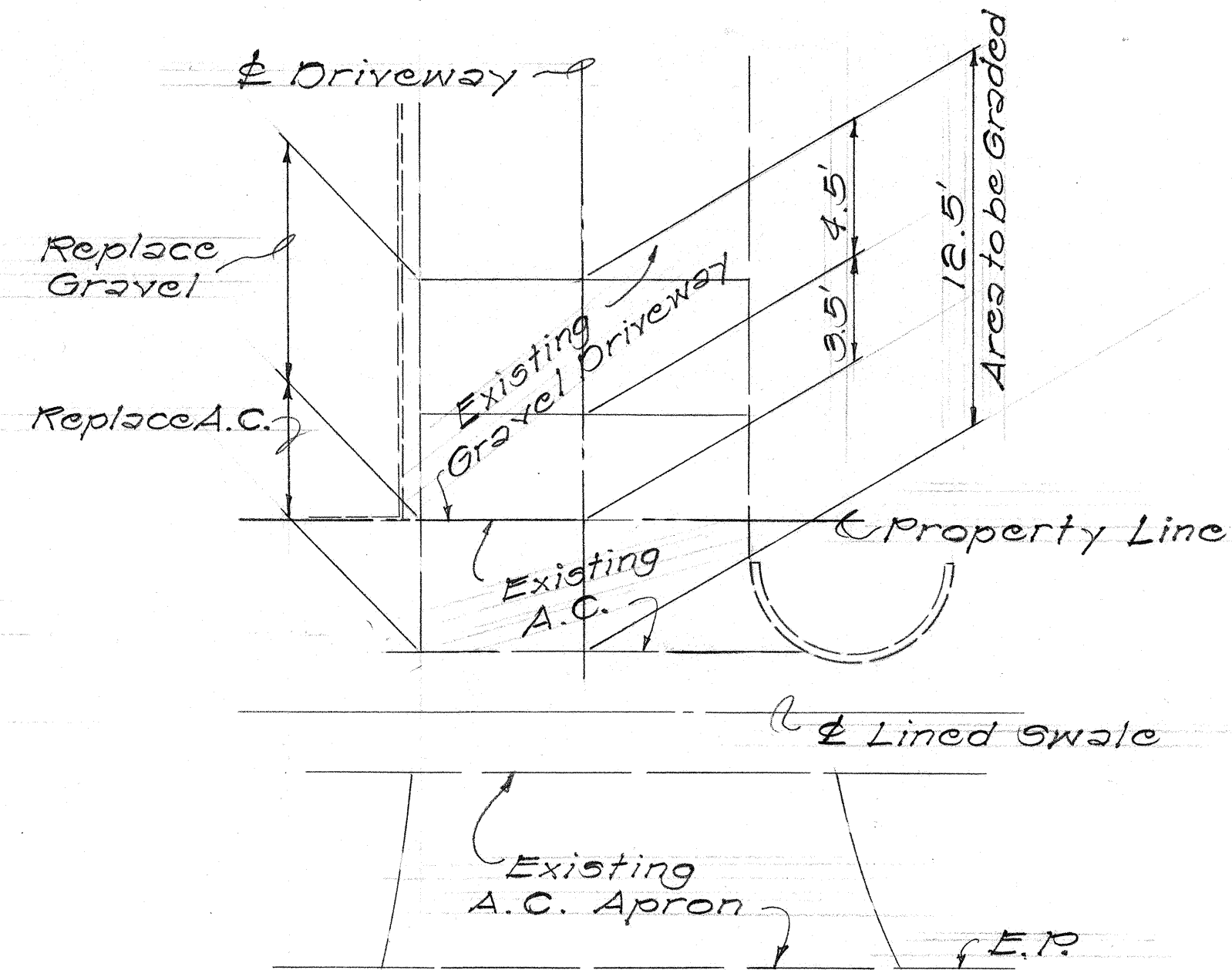
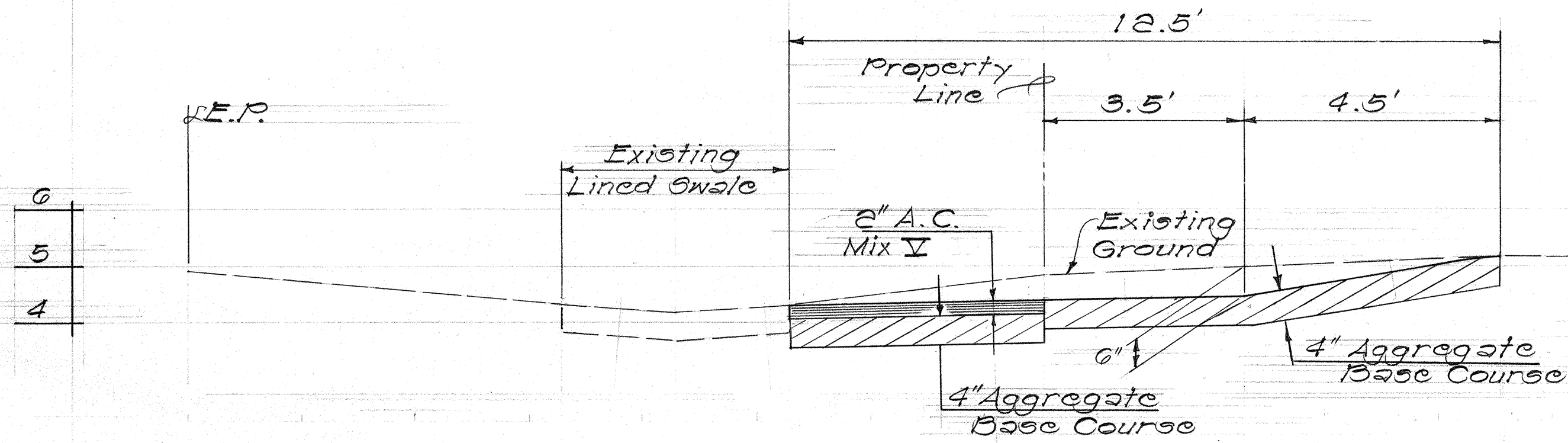
PROJ. No.: 930BC-01-75

Scale: 1" = 20' Date: Sept. 10, 1975

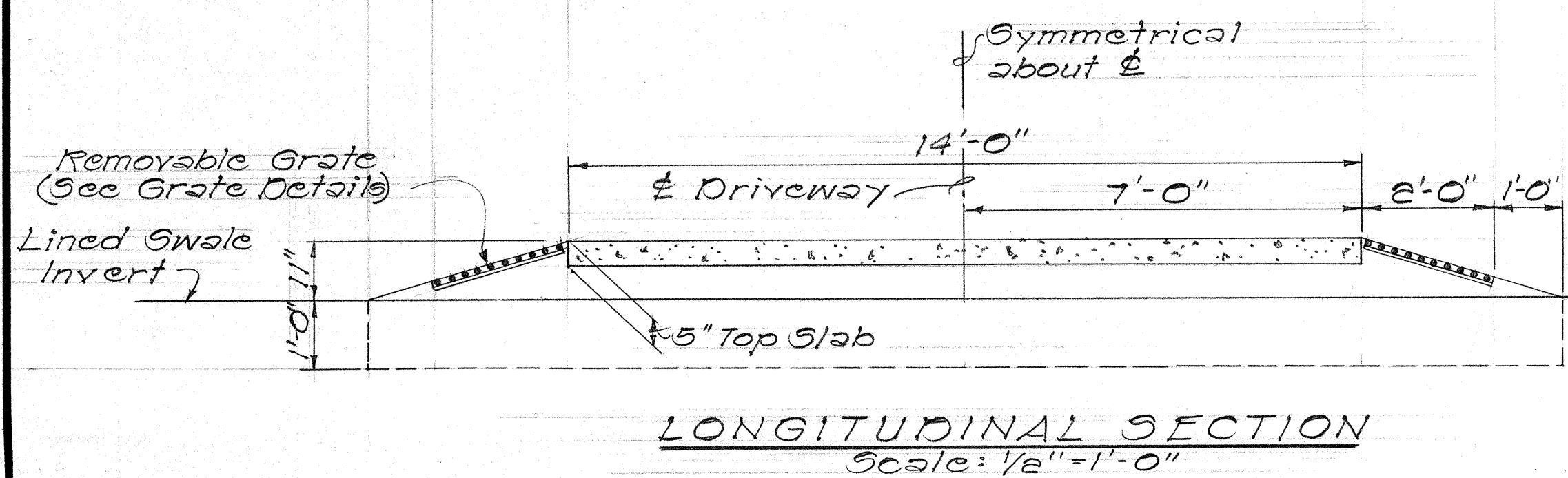
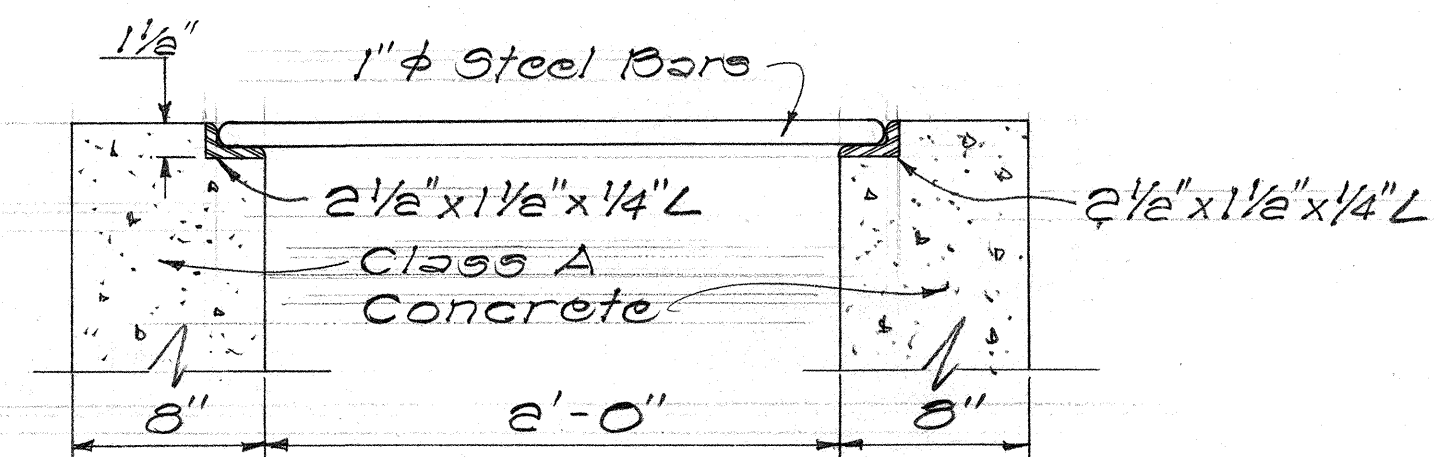
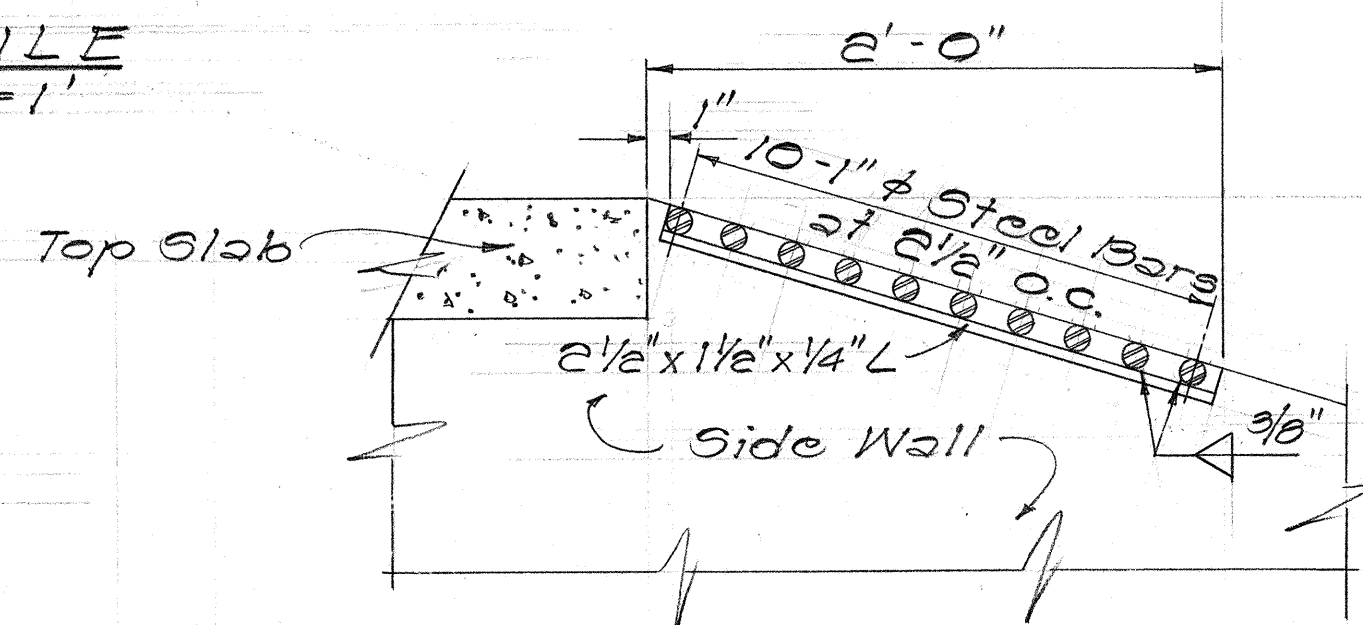
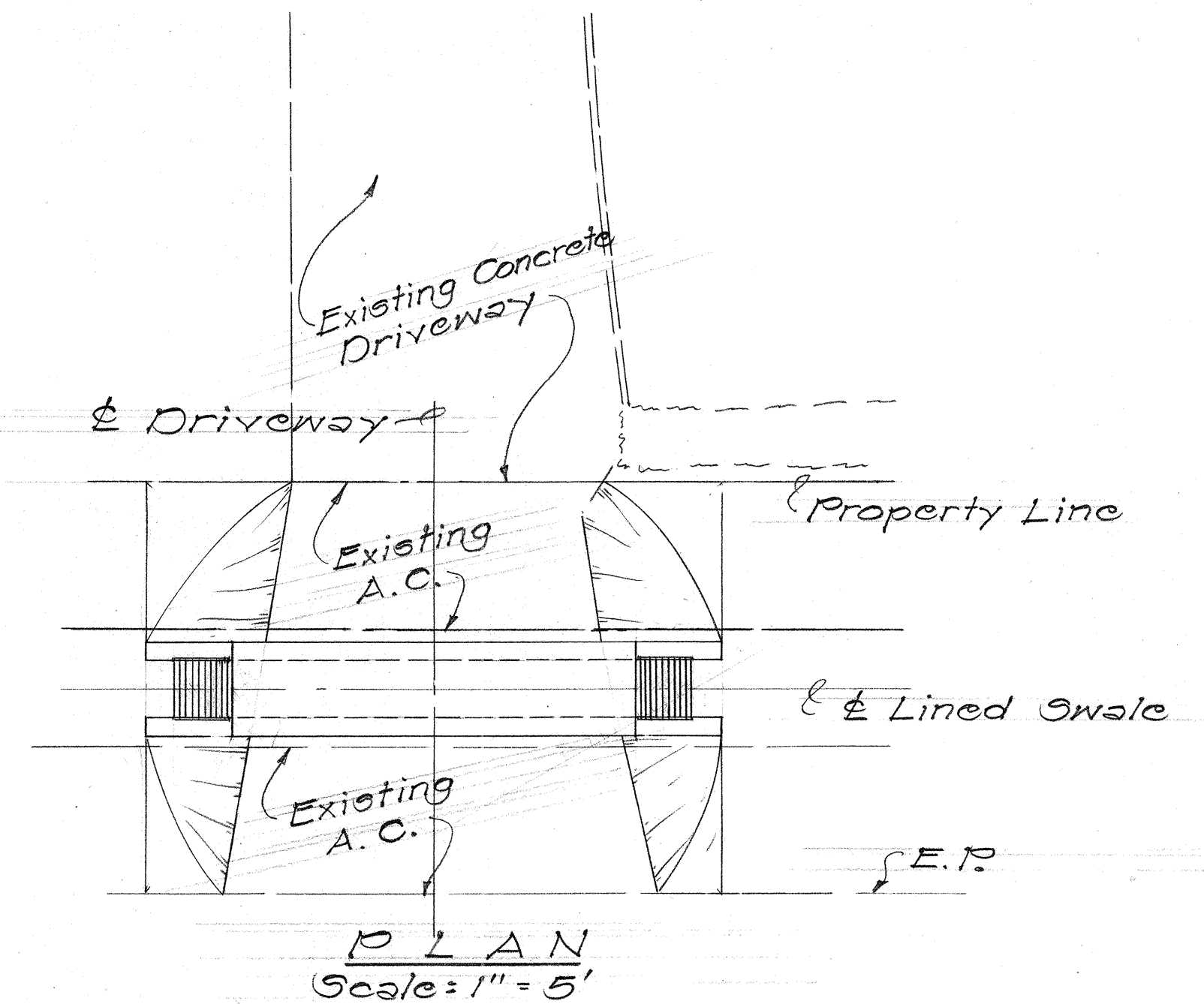
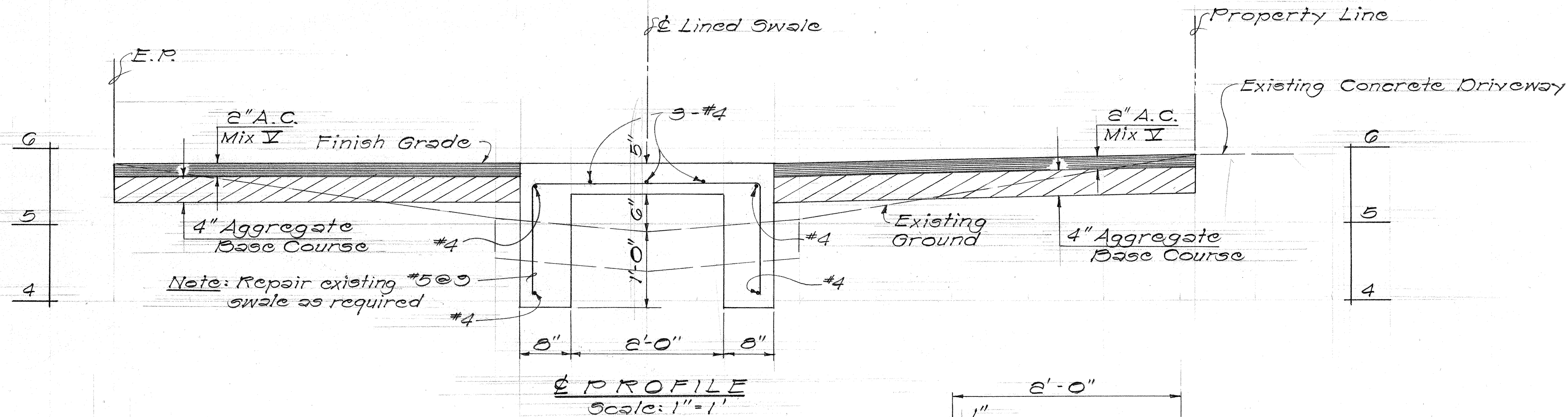
SHEET No. 3 OF 3 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.				



DRIVEWAY AT 67-343 FARRINGTON HWY. @ STA. 6+22 RT.
(HIRAYAMA)



GRATE DETAILS
Scale: 1 1/2"=1'-0"

DRIVEWAY AT 67-361 FARRINGTON HWY. @ STA. 8+05 RT.
(PADRON)

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HIGHWAYS DIVISION

DRAINAGE IMPROVEMENT
FARRINGTON HIGHWAY
AT WAIALUA

Proj. No. 930BC-01-75

Scale: As Shown Date: May, 1976

SHEET NO. OF SHEETS