

1. Origin of Azimuths and Coordinates Refer to 'Kamalli' 2' Δ
2. Elevations Refer to Mean Sea Level
3. Existing & Mon. shall be removed and new & mons. installed along & of R/W as staked by the Engineer.
4. Existing culverts shall be removed and stockpiled within the job site as ordered by the Engineer incidental to Str. Exc.
5. Relocate 6" C.I. water pipe as shown on detail sht. no. 5993. 7.
6. The type of pipe culverts to be used shall be determined prior to awarding of the contract. For Estimated Quantities, see Summary, sheet no. 5993. 6
7. Telephone & Electric poles in way of construction shall be moved by others.

$$\begin{aligned} \Delta &= 23^{\circ} 38' \\ D &= 6^{\circ} 00' \\ R &= 254.23' \\ T &= 129.79' \\ L &= 323.82' \\ SE &= 0.080' / ft. \end{aligned}$$

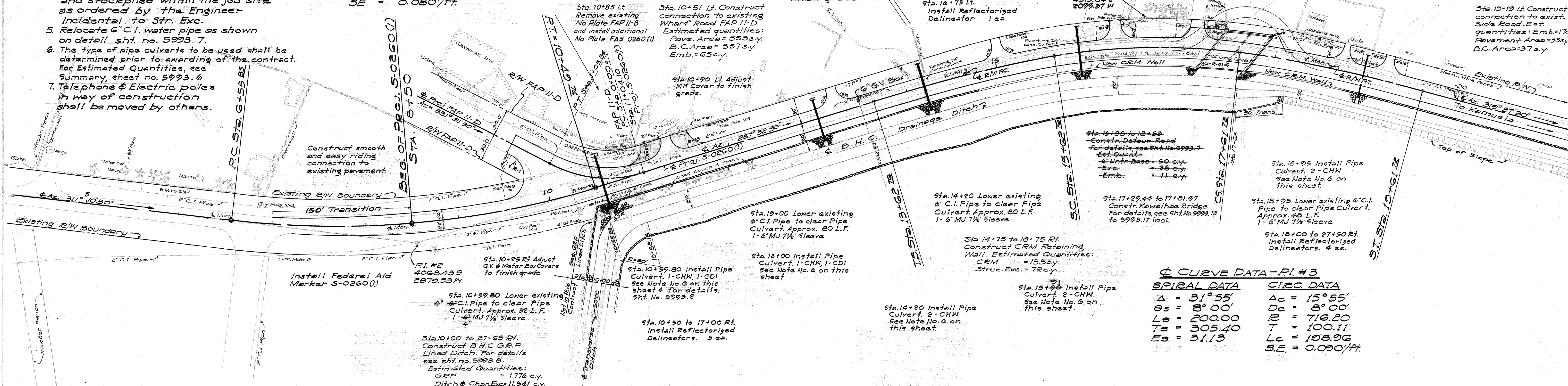
Sta. 13+22 Lt. Constr. Connection
to existing driveway.
Est. Quant. ~
Pav't Area = 38 s.y.
D.C. Area = 40 s.y.
Emb. = 3 c.y.

Sta. 16+22 Lt. Construct
connection to exist.
driveway. Est. quantities=
Emb.= 59 cy. Pavement
Area= 43 s.y. B.C. Area=
53 s.y.

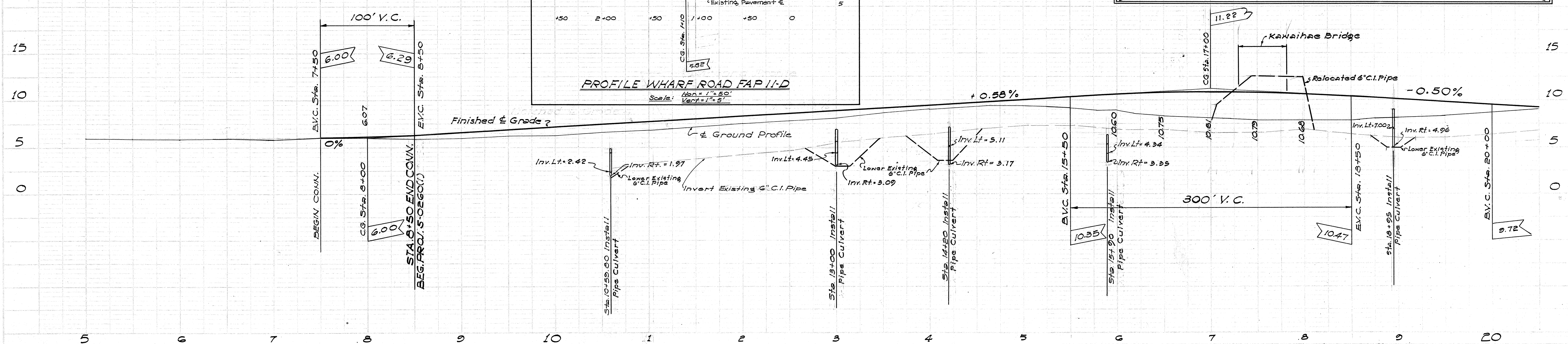
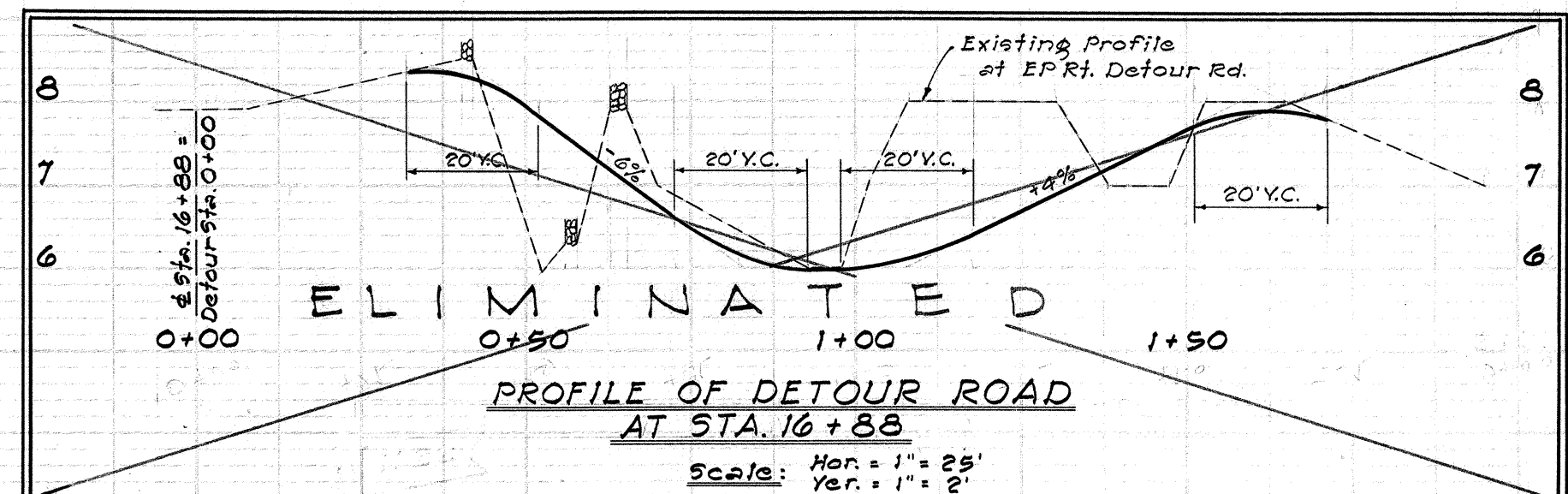
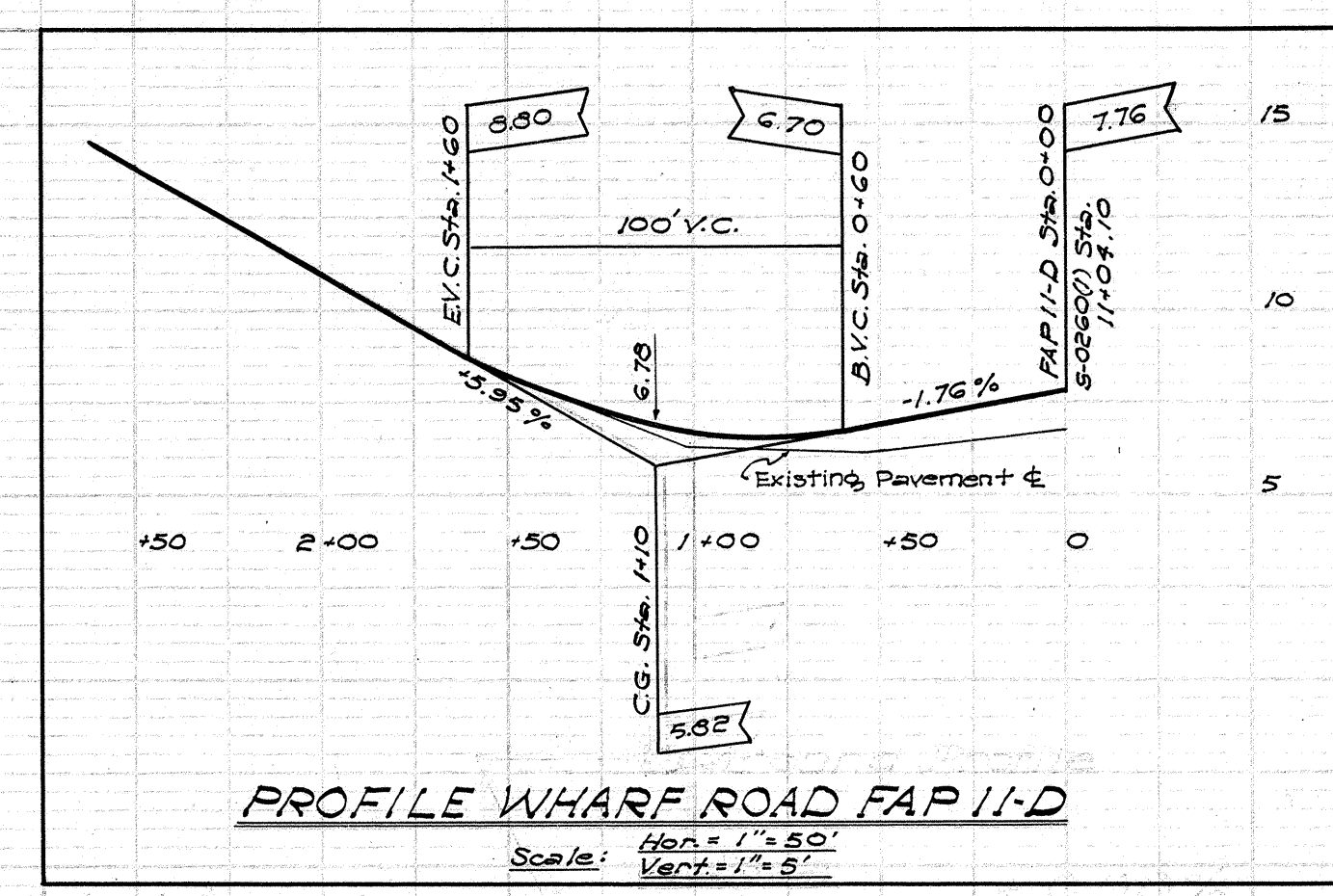
Sta. 18+50 Lt.
Install Reflectorized
Delineator. 1 ea.

Sta. 18+72 Lt. Construct
connection to exist.
driveway. Est. quantities =
Emb. 90c.y. Pavement
Area 28s.y. B.C. Area = 30s.y.

Sta. 19+19 Lt. Construct
connection to exist.
Side Road. E & T.
quantities: Emb. = 17cy
Pavement Area = 33s.y.
B.C. Area = 37 s.y.



SUMMARY OF REGULATORY AND WARNING SIGNS		
TYPE	MESSAGE	QUANTITY
R-1	STOP	3
R-41-S	SLOW - SCHOOL ZONE	2
W-19	PAYEMENT NARROWS	1
W-34	PEDESTRIAN CROSSING	-2 0
W-42		2
	TOTAL	8

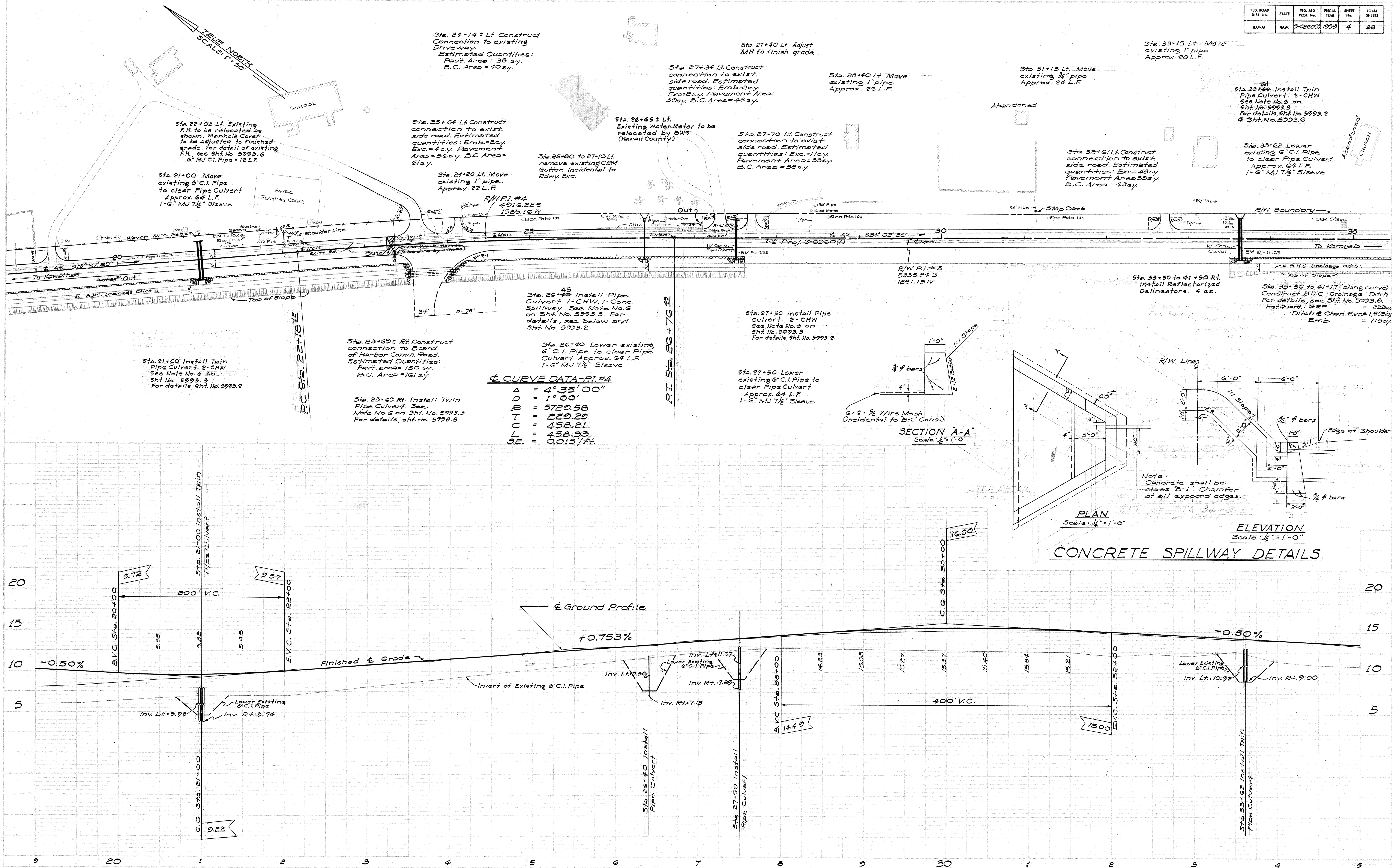


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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	9-02600	1959	4	38

PLAN	BY	DATE
SUBMITTED		
DESIGNED		
NOTED		
NO.		

PROFILE	BY	DATE
SUBMITTED		
DESIGNED		
NOTED		
NO.		



FED. ROAD DIST. NO.	STATE	PROJ. AND PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	5-0260(1)	1959	5	36

CL. CURVE DATA-PI.#6A

Δ = 1° 24' 00"
D = 0° 45' 00"
R = 7639.44
T = 23.34
C = 186.66
L = 186.67

Sta. 40+05 Lt. Move existing 1" pipe Approx. 10 L.F.

Sta. 41+17 Lt. Construct connection to exist. driveway. Estimated quantities: Emb.=1 c.y. Exc.=1 c.y. Pavement Area=23 s.y. B.C. Area=42 s.y.

Sta. 40+30 Lt. Move existing 1" pipe Approx. 10 L.F.

Sta. 41+41 to 42+25 Relocate existing 6" C.I. Pipe. Approx. 85 L.F. For details, see Sht. No. 5993.7

Sta. 42+50 Lt. Install Reflectorized Delineator. 1 ea.

Sta. 44+85 to 45+35 Lt. Constr. Metal Guard Rail with Conc. Post. 50 L.F.

Sta. 45+60 Lt. Install Reflectorized Delineator. 1 ea.

END OF PROJECT S-0260(1) STA. 48+50

P.C. Sta. 47+01.59

CL. CURVE DATA-PI.#7

Δ = 13° 36' 00"
D = 2° 30'
R = 2291.83
T = 273.23
C = 542.72
Lc = 544.00
SE = 0.040/ft.

CL. CURVE DATA-PI.#5A

Δ = 1° 19' 30"
D = 0° 30'
R = 11,459.16
T = 132.51
C = 264.09
L = 265.00

Sta. 30+55.26 Rt. Install Twin Pipe Culvert. See Note No. 6 on Sht. No. 5993.3. For details, Sht. No. 5993.6.

Sta. 38+55.26 Rt. Constr. Connection to Bd. of Harbor Comm. Rd. Est. Quant. - Pavt. Area = 150 s.y. B.C. Area = 161 s.y.

Sta. 39+14 to 40+30 Rt. Construct CRM Retaining Wall. Est. Quantities: CRM = 80 c.y. Struc. Exc. = 134 c.y.

Construct Makehuna Bridge Sta. 41+56.87 to 41+80.76. For details see Sht. Nos. 5993.18 to 5993.21 incl.

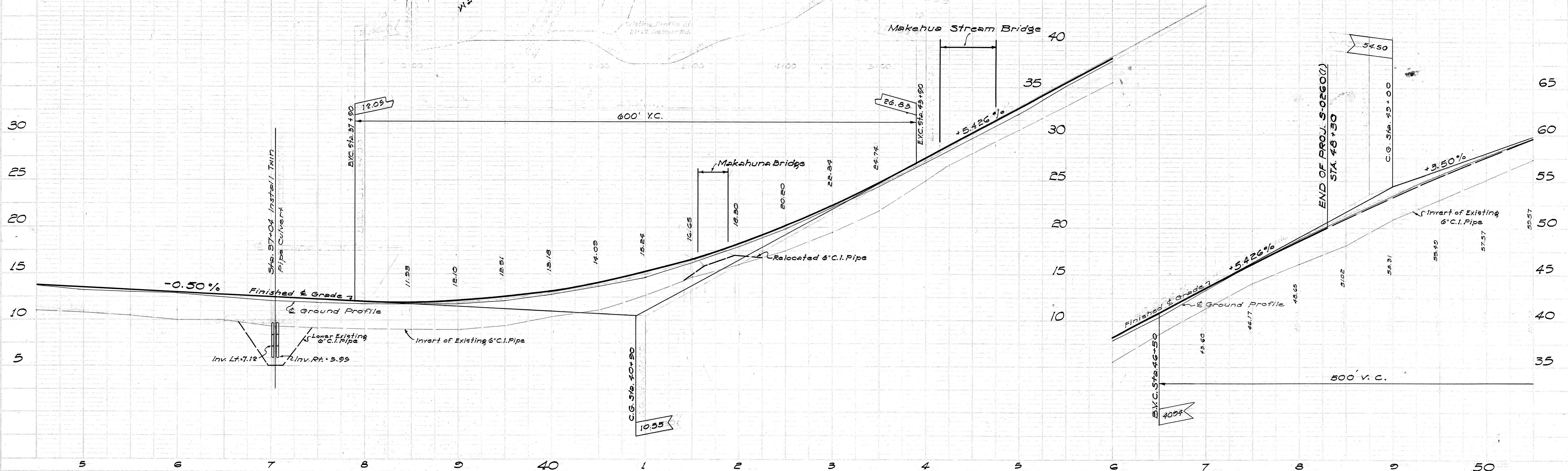
Sta. 43+50 to 44+00 Rt. Constr. Metal Guard Rail 1/4 Conc. Post. 50 L.F. For details, see Sht. No. 5993.8

Sta. 43+00 Rt. Install Reflectorized Delineator. 1 ea.

Construct Makehuna Bridge Sta. 44+12.80 to 44+19.00. For details see Sht. Nos. 5993.22 to 5993.27 incl.

Sta. 45+50 Rt. Install Reflectorized Delineator. 1 ea.

Note: Clearing of wooded area to be incidental to Ditch and Channel Excavation.

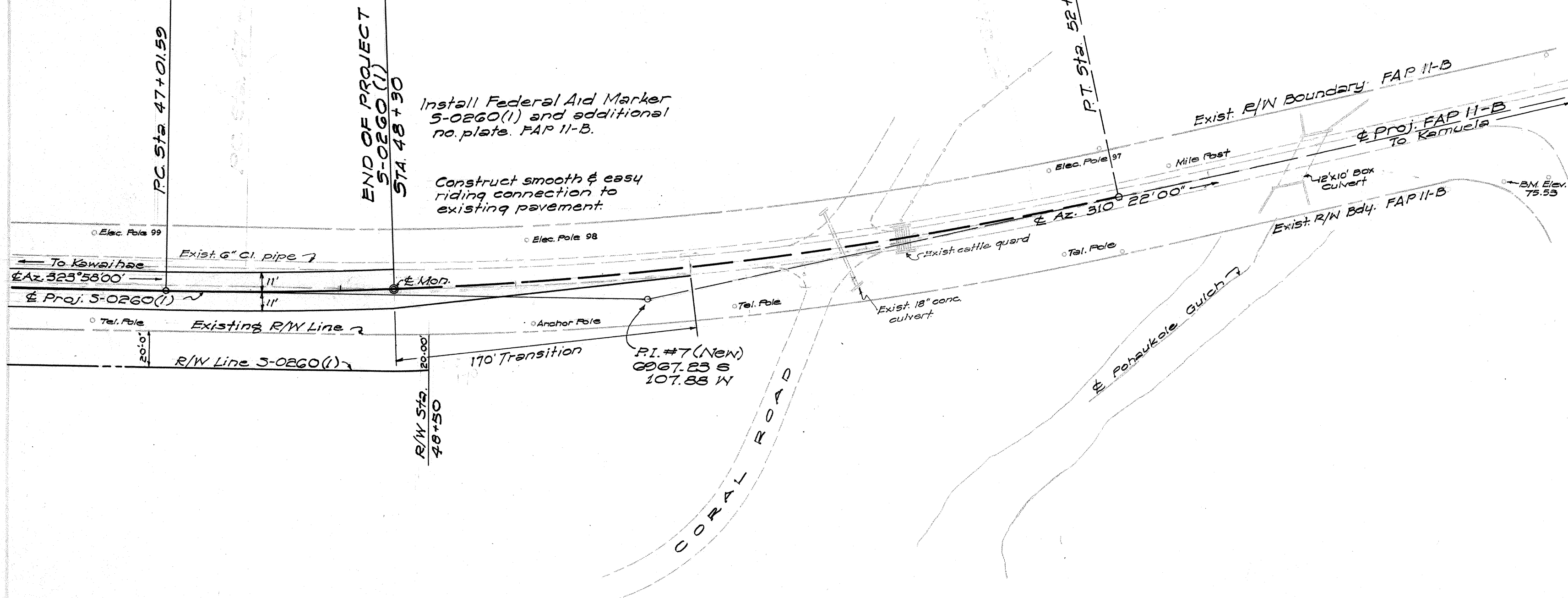


FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAWAII	502600	1959	6	35

PLAN	DATE	BY	CHECKED
STANDARD			
PLANNED			
NOTES			
NO.			

PROFILE	DATE	BY	CHECKED
STANDARD			
PLANNED			
NOTES			
NO.			

CURVE DATA-R.I.#7
 Δ = 13° 36' 00"
 Δ = 2° 30'
 T = 2291.83
 C = 273.28
 L = 542.72
 SE = 544.00
 SE = 040/ft.



STATION	ALTERNATE "A"										ALTERNATE "B"							GRP
	Struc. Exc.	Ditch & Channel Exc.	Item #46(1) Class B-1 Conc.	Item #46(2) Class B-1 Conc.	Item #46(3) Class B-1 Conc.	Item #46(4) Class B-1 Conc.	Item #46(5) Class B-1 Conc.	Item #46(6) Class B-1 Conc.	Item #46(7) Class B-1 Conc.	Item #46(8) Class B-1 Conc.	Struc. Exc.	Ditch & Channel Exc.	Item #46(1) Class B-1 Conc.	Item #46(2) Class B-1 Conc.	Item #46(3) Class B-1 Conc.	Item #46(4) Class B-1 Conc.	Item #46(5) Class B-1 Conc.	
10+39.80	42		3								42		3					
13+00	39		2								39		2					
14+20	35		1								35		1					
15+30	18		1								18		1					
18+95	15		1								15		1					
21+00	58		3								58		3					
26+43	71		6								71		6					
27+50	26		6								26		6					
33+62	50		5								50		5					
37+32	56		1								56		1					
SUB-TOTALS	410	12	23	9.28	263	363	444	212			410	12	23	9.28	263	363	444	212
Side Rd Conn. 25' x 29' R.L.	91										91							
Side Rd Conn. 38' x 22' R.L.	94										94							
TOTALS	595	12	23	9.28	263	363	444	212			595	12	23	9.28	263	363	444	212

