

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	19D-01-92M	1992	7	18

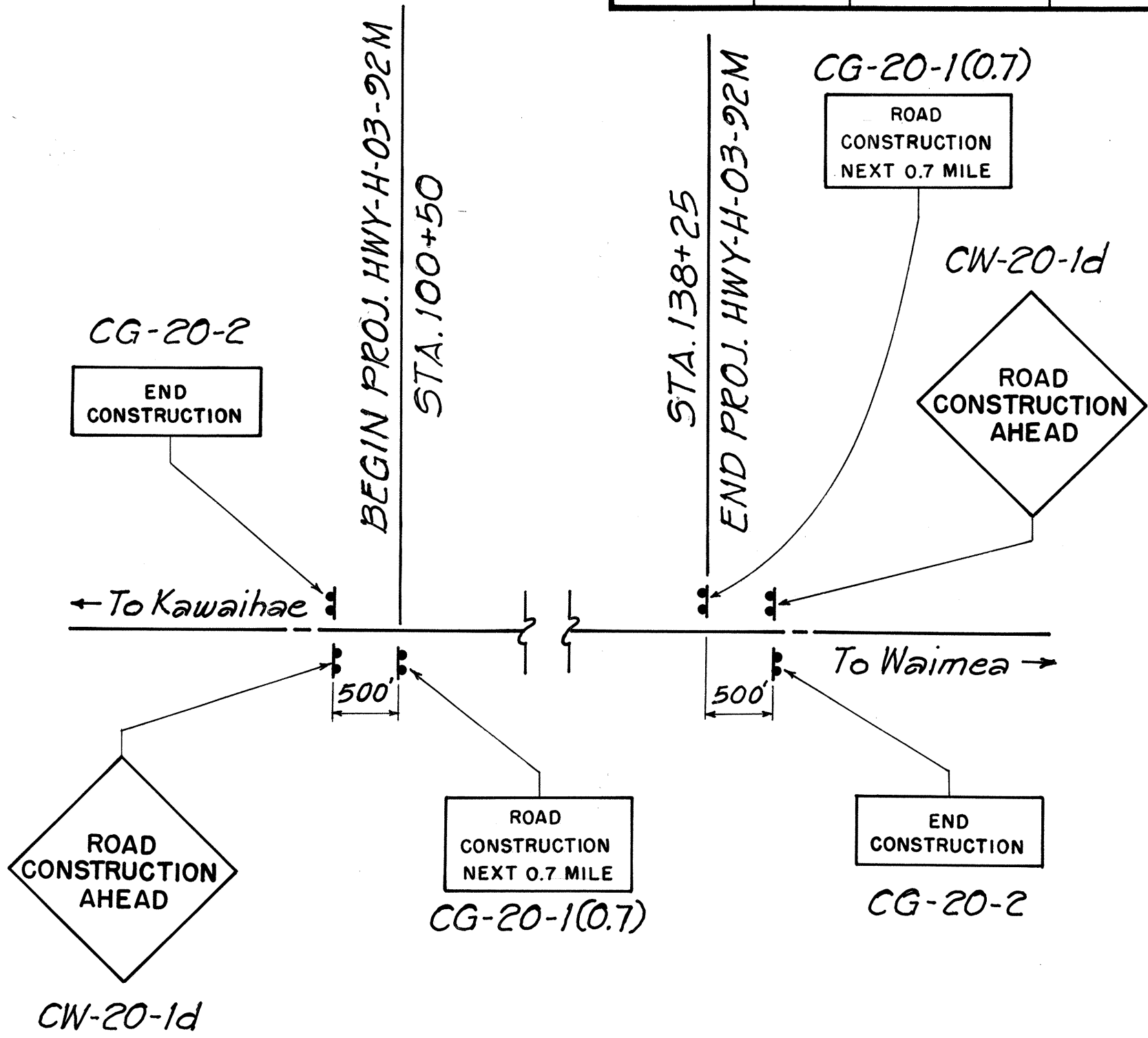
ESTIMATED QUANTITIES							
DESCRIPTION	UNITS	CULVERTS					TOTALS
		STA. 101+00	STA. 104+65	STA. 106+50	STA. 109+65	STA. 137+60	
Roadway Excavation	Cu. Yd.	5	26	2	77	25	135
Imported Borrow	Cu. Yd.	150	95	120	250	285	900
Structural Excavation for Drainage System	Cu. Yd.	23	3	5		26	57
Structural Excavation for Box Culverts	Cu. Yd.				94		94
Structural Backfill	Cu. Yd.	27	5	5	91	21	149
Aggregate Basecourse for Trench Backfill	Cu. Yd.	5	4	2		6	17
Class "A" Concrete other than in Bridges, Including Reinforcing Steel	Cu. Yd.	2	1	1		1	5
Concrete in Box Culvert, Including Reinforcing Steel in Box Culvert	Cu. Yd.				43		43
Cement Rubble Masonry	Cu. Yd.	19	3	3	15	26	66
Bed Course Material for Culvert	Cu. Yd.	8	8	8	10	6	40
24 Inch Reinforced Concrete Pipe, Class IV	Lin. Ft.	16	15	16		10	57

NOTE:

Item	Culvert @ Sta. No.	Extend	Limits for Estimated Quantities
603.9101	101+00	•	Sta. 100+40 to Sta. 102+80
603.9104	104+65	•	Sta. 102+80 to Sta. 105+60
603.9106	106+50	•	Sta. 105+60 to Sta. 107+98
603.9109	109+65	•	Sta. 107+98 to Sta. 111+65
603.9137	137+60	•	Sta. 136+80 to Sta. 138+60

* ESTIMATED QUANTITIES FOR SHOULDER PAVING						
STATIONS		LEFT	RIGHT	LENGTH (Lin. Ft.)	ITEM 401.0500 ASPHALT (TONS)	ITEM 304.1110 BASECOURSE (Cu. Yd.)
FROM	TO					
100+40	111+50		•	1,110	75 166	310 350
100+60	101+55	•		95	15 14	28 30
108+20	110+90	•		270	42 40	77 85
136+90	138+45		•	155	24 23	45 49
137+15	138+50	•		135	22 20	40 43
DETOUR ROAD PHASE II				155	12	0
TOTALS				1,920 1,765	290 263	500 557

* See Typical Section for Widths of Paving.



SIGN DETAIL
Not To Scale

CONSTRUCTION SIGN SCHEDULE		
Exist. Proj. No.	STATION	ITEM No. 621.7100
FAP 11-B	95+50	CW-20-1d
	95+50	CG-20-2
	100+50	CG-20-1(0.7)
	138+25	CG-20-1(0.7)
	143+25	CG-20-2
TOTAL		6 Each

NOTE: Following completion of the project, construction warning signs shall be carefully removed and delivered undamaged to the State Hwy. Baseyard designated by the Engineer.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION SIGN DETAIL
& ESTIMATED QUANTITIES

KAWAIHAE ROAD
CULVERT EXTENSIONS
PROJECT NO. 19D-01-92M
Scale: As Noted Date: Apr. 1992

SHEET NO. 1 OF 1 SHEETS

SURVEY PLOTTED BY _____ DATE _____

DRAWN BY _____

DESIGNED BY _____

CHECKED BY _____

ORIGINAL PLAN _____

NOTE BOOK _____

NO. _____