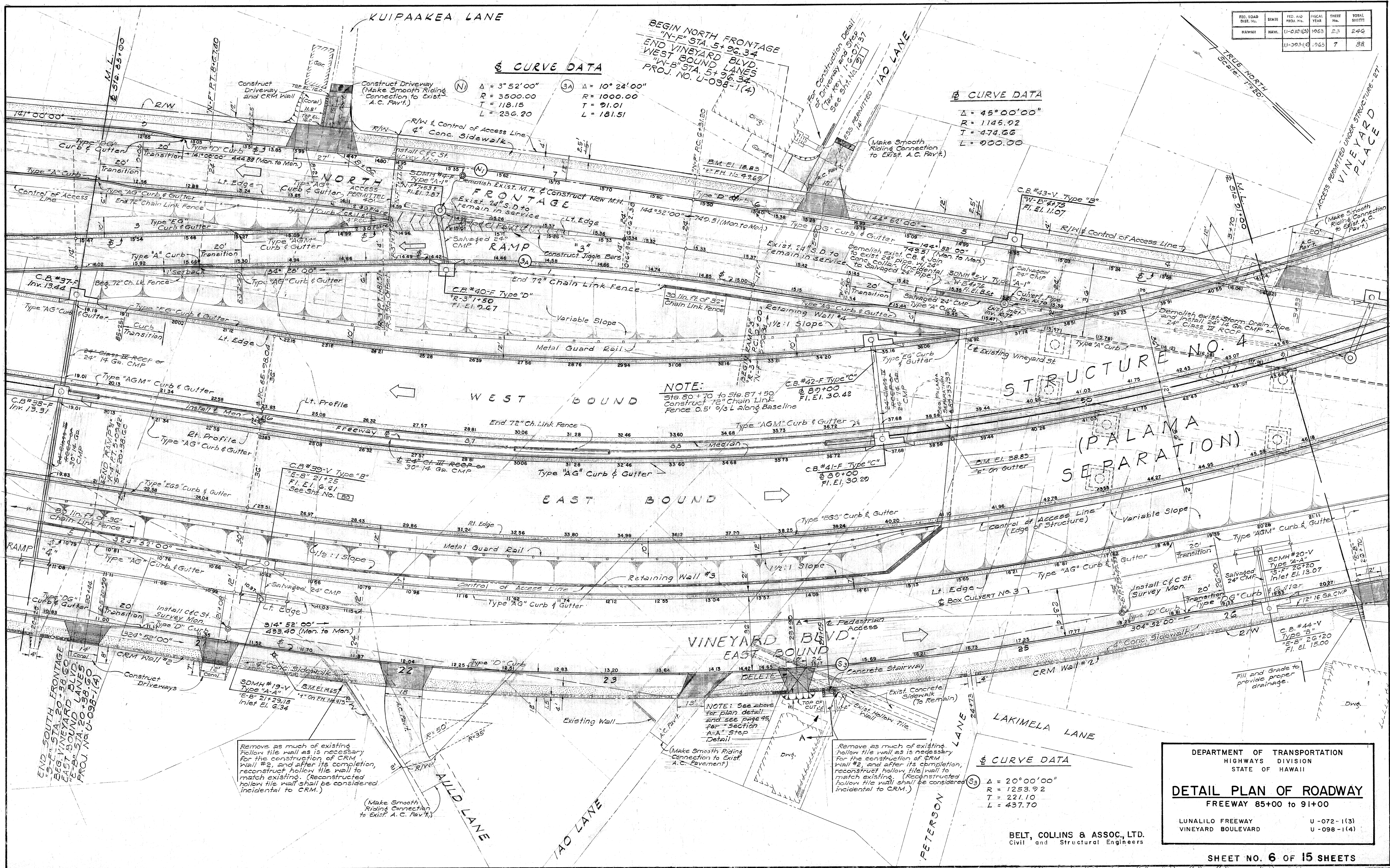


FIG. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	11-022(3)	1963	23	246
		U-098-1(4)	1963	7	38



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	U-072-1(3)	1963	24	246
		U-098-1(4)	1963	8	88

LOCATION OF FIELD OFFICE
(SEE ARTICLE 6.9 OF THE SPECIAL PROVISION)

CONTRACT ITEM No. 124-S
FOR REHABILITATION OF OPEN AUTO SHED AND CERTAIN IMPROVEMENTS AT LIKELIKE SCHOOL (Tax Key: 1-G-08-21)
SEE SHEET 110

SDM#9-F Type "A-1"
Palama St. 3+30
El. El. 20.34

SDM#10-F Type "A"
El. 20+03
El. 21.50
Top El. 23.50

STRUCTURE NO. 4 (PALAMA SEPARATION)

NOTE:
The existing Banyan and Monkey Red Trees located approx. 60 ft. right of Base Line Stations 95+10 and 96+13 shall be cut and removed 1.5 ft. below top of existing ground grade. Circular pits 1.5 ft. deep and of diameters equal to tree diameter plus 6 ft. shall be excavated, and after removal of trees, be backfilled with suitable material approved by the Engineer and topped with 6" minimum thickness of top soil. The above mentioned work shall not be paid for separately, but shall be considered as included in the item of "Roadway Excavation."

NOTE "A":
New A.C. Pavement section at reconstructed median nosing at Vineyard Blvd. B. Sta. 97+00 shall have 12" selected Borrow, 8" untreated Base, and 4" A.C. Pavement consisting of 2 1/2" Leveling Course Mix No. II, and 1 1/2" surface Course Mix No. V

LEFT EDGE CURVE DATA

54 Δ = 20°00'00"	55 Δ = 20°00'00"
R = 600.00	R = 300.00
T = 105.80	T = 52.90
Lc = 209.44	Lc = 104.72

CURB RETURN DATA

5 Δ = 23°26'30"	6 Δ = 33°36'00"
R = 50.00	R = 50.00
T = 53.10	T = 44.71
Lc = 31.54	Lc = 72.96

Δ CURVE DATA

Δ = 45°00'00"	Δ = 10°32'10"
R = 1145.92	R = 1900.00
T = 474.66	T = 175.19
Lc = 900.00	Lc = 349.39

REVISED SEPT. 25, 1963

DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
STATE OF HAWAII

DETAIL PLAN OF ROADWAY
FREEWAY 91+00 to 96+50
LUNALILO FREEWAY U-072-1(3)
VINEYARD BOULEVARD U-098-1(4)

LEGEND:
Smooth connection of A.C. Pavement

BELT, COLLINS & ASSOC. LTD.
Civil and Structural Engineers

SHEET NO. 7 OF 15 SHEETS

REVISED TRACING