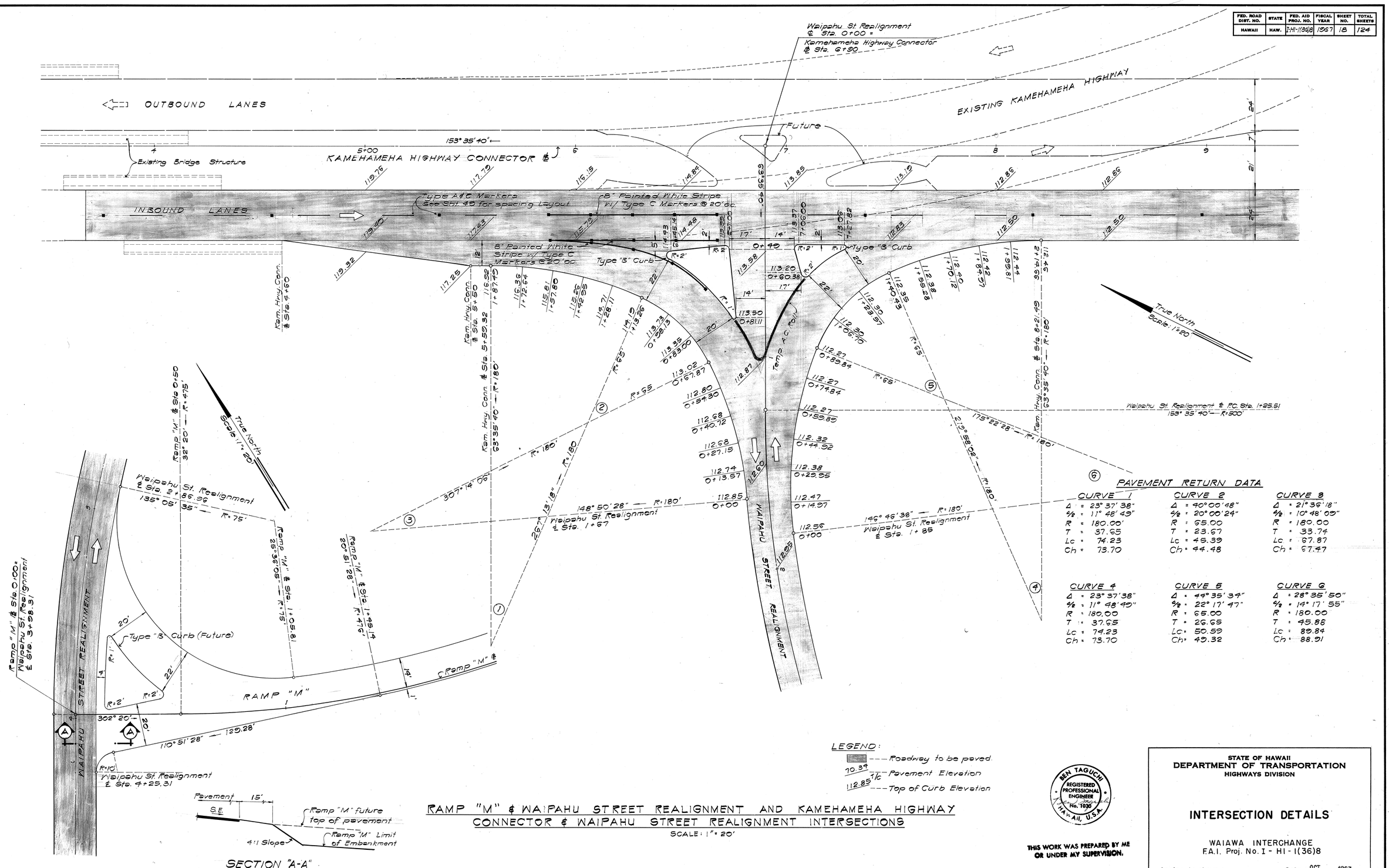
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(36)2	1967	18	124



SECTION "A-A"
No Scale

PAVEMENT RETURN DATA

CURVE 1	CURVE 2	CURVE 3
Δ = 23° 37' 38"	Δ = 40° 00' 48"	Δ = 21° 36' 18"
ⅆ = 11° 48' 49"	ⅆ = 20° 00' 24"	ⅆ = 10° 48' 09"
R = 180.00'	R = 65.00	R = 180.00
T = 37.65	T = 23.67	T = 33.74
Lc = 74.23	Lc = 45.39	Lc = 67.87
Ch = 73.70	Ch = 44.48	Ch = 67.47

CURVE 4	CURVE 5	CURVE 6
Δ = 23° 37' 38"	Δ = 49° 35' 34"	Δ = 28° 35' 50"
ⅆ = 11° 48' 49"	ⅆ = 22° 17' 47"	ⅆ = 14° 17' 55"
R = 180.00	R = 65.00	R = 180.00
T = 37.65	T = 29.65	T = 45.88
Lc = 74.23	Lc = 50.59	Lc = 89.84
Ch = 73.70	Ch = 49.32	Ch = 88.91

LEGEND:
- Roadway to be paved.
- 70.39 T/C — Pavement Elevation
- 112.85 T/C — Top of Curb Elevation

RAMP "M" & WAIPAHU STREET REALIGNMENT AND KAMEHAMEHA HIGHWAY CONNECTOR & WAIPAHU STREET REALIGNMENT INTERSECTIONS
SCALE: 1" = 20'

BEN TAGUCHI REGISTERED PROFESSIONAL ENGINEER No. 1036 HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

INTERSECTION DETAILS

WAIAWA INTERCHANGE
F.A.I. Proj. No. I - HI - 1(36)8

Scale: As shown Date OCT 1967

SHEET No. 1 OF 3 SHEETS

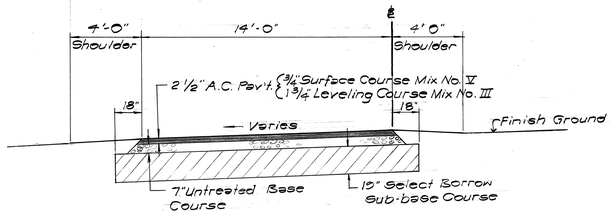
18

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FHI-1(36)8	1967	19	124

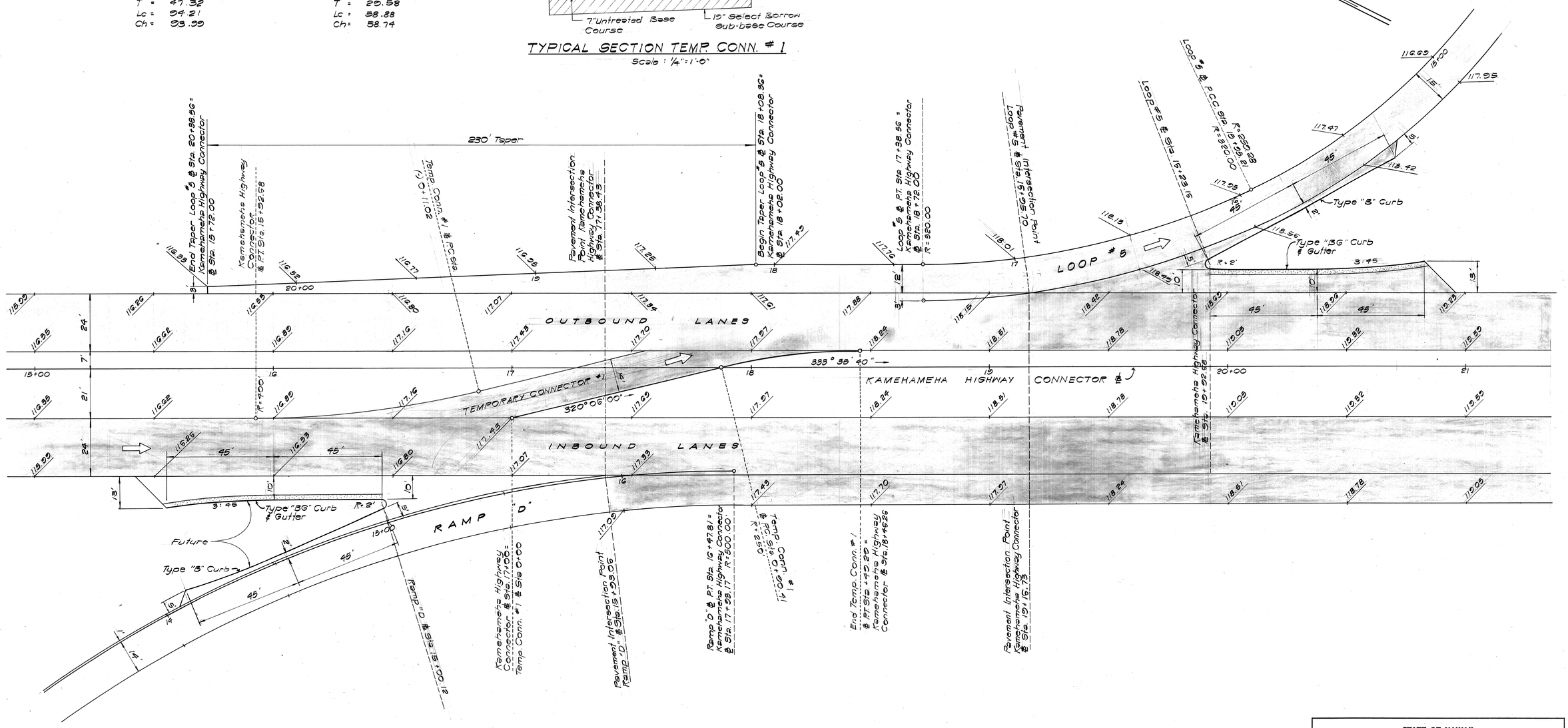
TEMPORARY CONNECTOR # 1

EP CURVE DATA		℄ CURVE DATA	
Δ =	13° 29' 40"	Δ =	13° 29' 40"
4/2 =	06° 44' 50"	4/2 =	06° 44' 50"
R =	400.00	R =	250.00
T =	47.32	T =	29.58
Lc =	94.21	Lc =	58.88
Ch =	93.99	Ch =	58.74



TYPICAL SECTION TEMP. CONN. # 1

Scale : 1/4" = 1'-0"



LOOP #5 ℄ KAMEHAMEHA HIGHWAY CONNECTOR AND RAMP "D" ℄ KAMEHAMEHA HIGHWAY CONNECTOR INTERSECTIONS

SCALE: 1" = 20'

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

BEN TAGUCHI REGISTERED PROFESSIONAL ENGINEER No. 1030 HAWAII, U.S.A.

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WAIAWA INTERCHANGE
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Scale : As shown Date: OCT 1967

SHEET No. 2 OF 3 SHEETS

19

Intersections
Kam Conn, Ramp D &
New Loop

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(36)8	1967	20	124

EXISTING CANE HAUL ROAD

EXISTING KAHUANUI STREET

WAIPAHU STREET REALIGNMENT

EXISTING WAIPAHU STREET

Note: Provide 10' Transition Section from existing Rolled Curb to new Type "DG" curb & Gutter.

Scarify and Remove Existing Pavement

Construct Driveway Connection
2" A.C. Pavement, Mix. No. II
6" Untreated Base Course
Select Borrow Subbase Course as required (C.C.O. # 27)

Remove ± 64 L.F. conc. header and make smooth riding connection to existing pavement. (Incidental to various contract items of work.)

Scarify and remove existing pavement (incidental to various contract items of work)

120 L.F. 6' Chain Link Fence (C.C.O. #27)

Carrick Conc. Sidewalk

Type "DG" Curb & Gutter

Type "DG" curb and Gutter.

4" thk. Conc. Sidewalk

Haul Road Closure

Grade to Drain

Pave to provide smooth riding connection (Incidental to existing cane haul road items of work) per cane haul road contract

R/W Line

Conc. curb & gutter

True North
Scale: 1" = 20'

10" thk. Class "A-1" P.C.C. Pavement

12" thk. Select Borrow Subbase Course

6"x6"x4/4 wire mesh reinforcing

S.E. Rate = 0.004 ft/ft.

CURB RETURN DATA

Δ = 37°51'40"
4/2 = 18°55'54.5"
R = 38.00
T = 13.03
Lc = 25.11
Ch = 24.65

CURB RETURN DATA

Δ = 37°27'43"
4/2 = 18°43'50"
R = 38.00
T = 12.85
Lc = 24.85
Ch = 24.41

CURB RETURN DATA

Δ = 83°16'40"
4/2 = 41°38'20"
R = 37.00
T = 32.90
Lc = 53.78
Ch = 49.17

CURB RETURN DATA

Δ = 107°31'00"
4/2 = 53°45'30"
R = 37.00
T = 50.48
Lc = 69.43
Ch = 59.68

PAVEMENT RETURN DATA (B)

Δ = 36°19'38"
4/2 = 18°07'19"
R = 38.07
T = 32.10
Lc = 62.04
Ch = 61.01

PAVEMENT RETURN DATA (C)

Δ = 37°51'40"
4/2 = 18°55'54.5"
R = 34.99
T = 32.58
Lc = 62.77
Ch = 61.64

PAVEMENT RETURN DATA (A) (Both Sides)

Δ = 35°40'20"
4/2 = 17°54'44.5"
R = 105.70
T = 34.17
Lc = 66.09
Ch = 65.03

SECTION A-A

Scale: 1"=10'-0"

#5 Deformed Bars 30" Long x 30" o.c. (Incidental to P.C.C. Pav't)

LONGITUDINAL CONTRACTION JOINT

LONGITUDINAL WEAKENED PLANE JOINT

Scale: 1"=1'-0"

EXISTING CANE HAUL ROAD, EXISTING KAHUANUI STREET AND WAIPAHU STREET REALIGNMENT INTERSECTIONS

SCALE: 1" = 20'

WAIPAHU STREET CONNECTOR AND WAIPAHU STREET REALIGNMENT INTERSECTION

SCALE: 1" = 20'

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

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SHEET No. 3 OF 3 SHEETS

20

UNIT 3
KSR & KAHUANUI ST INTERS
WAIP. ST. REA. END