

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(157):24	1979	9	146

Note:
All existing trees, hedges and bushes shown, on these plans, to remain, except as otherwise specified.

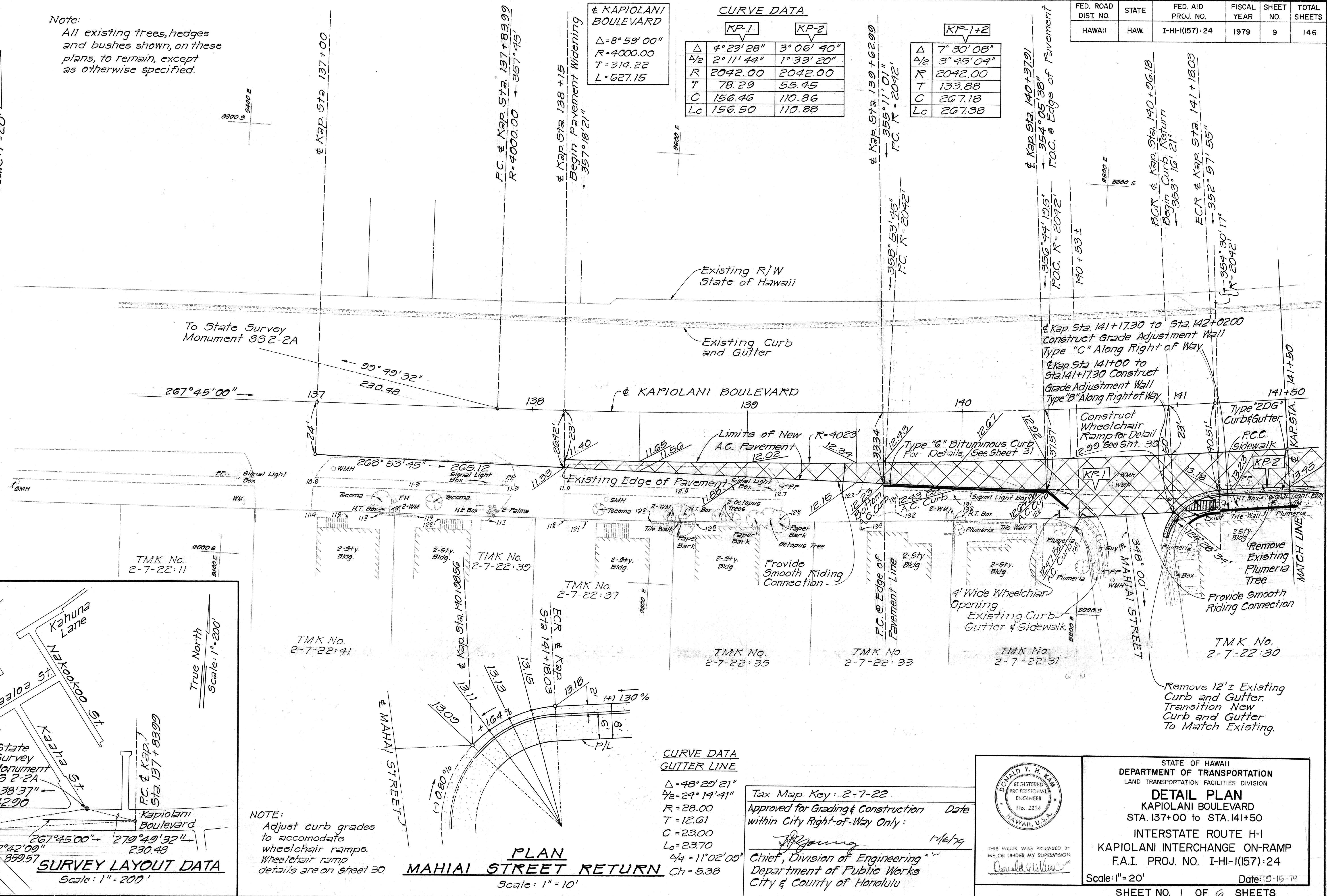
True North
Scale: 1"=20'

± KAPIOLANI BOULEVARD
Δ=8°59'00"
R=4000.00
T=314.22
L=627.15

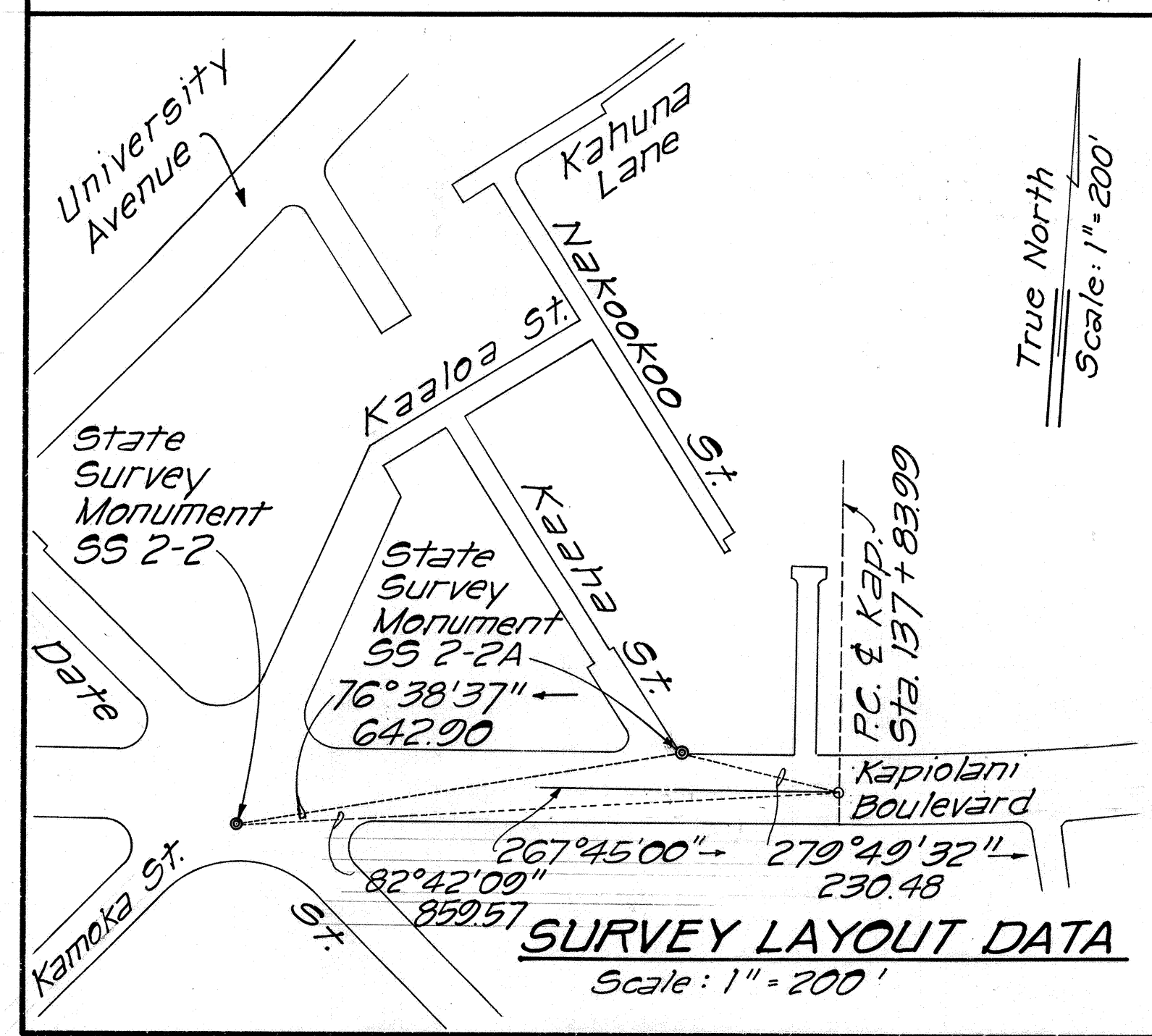
CURVE DATA

	KP-1	KP-2
Δ	4°23'28"	3°06'40"
Δ/2	2°11'44"	1°33'20"
R	2042.00	2042.00
T	78.29	55.45
C	156.46	110.86
Lc	156.50	110.88

	KP-1+2
Δ	7°30'08"
Δ/2	3°45'04"
R	2042.00
T	133.88
C	267.18
Lc	267.38



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



NOTE:
Adjust curb grades to accommodate wheelchair ramps. Wheelchair ramp details are on sheet 30

PLAN
MAHIAI STREET RETURN
Scale: 1"=10'

CURVE DATA
GUTTER LINE
Δ=48°20'21"
Δ/2=24°10'10"
R=28.00
T=12.61
C=23.00
Lc=23.70
Ch=5.38

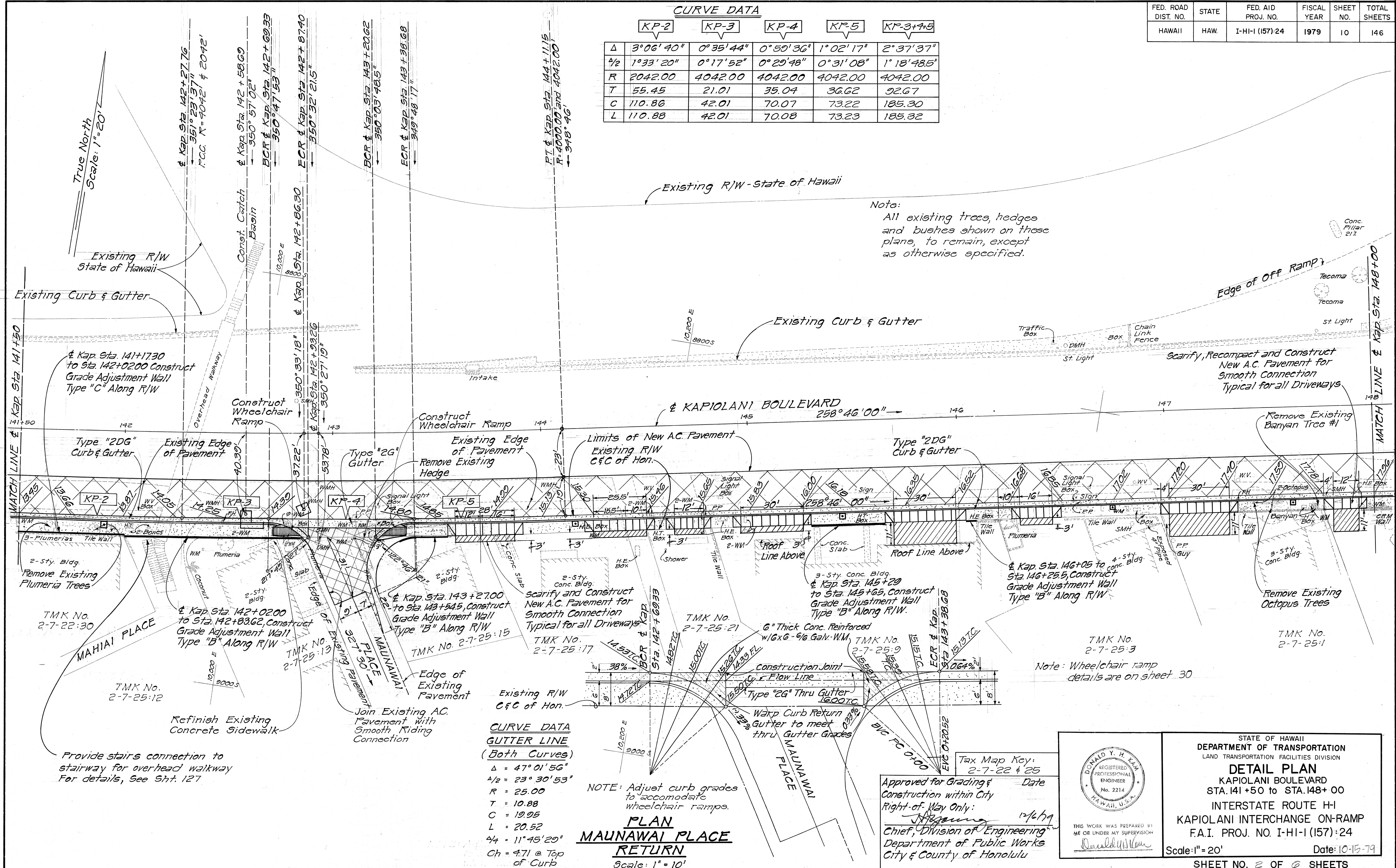
Tax Map Key: 2-7-22
Approved for Grading & Construction within City Right-of-Way Only: *[Signature]* Date: 1/6/79
Chief, Division of Engineering
Department of Public Works
City & County of Honolulu

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION
DETAIL PLAN
KAPIOLANI BOULEVARD
STA. 137+00 to STA. 141+50
INTERSTATE ROUTE H-1
KAPIOLANI INTERCHANGE ON-RAMP
F.A.I. PROJ. NO. I-HI-1(157):24
Scale: 1"=20' Date: 10-15-79
SHEET NO. 1 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1 (157)-24	1979	10	146

CURVE DATA

	KP-2	KP-3	KP-4	KP-5	KP-3+7+9
Δ	3°06'40"	0°35'44"	0°50'36"	1°02'17"	2°37'37"
$\frac{1}{2}$	1°33'20"	0°17'52"	0°29'48"	0°31'08"	1°18'48.5"
R	2042.00	4042.00	4042.00	4042.00	4042.00
T	55.45	21.01	35.04	36.62	92.67
C	110.86	42.01	70.07	73.22	185.30
L	110.88	42.01	70.08	73.23	185.32



Note:
All existing trees, hedges and bushes shown on these plans, to remain, except as otherwise specified.

Existing R/W - State of Hawaii

Existing Curb & Gutter

KAPIOLANI BOULEVARD
258°46'00"

Limits of New A.C. Pavement
Existing R/W C&C of Hon.

Type 2DG
Curb & Gutter

& Kap. Sta. 146+05 to
Sta. 146+25.5, Construct
Grade Adjustment Wall
Type "B" Along R/W

Note: Wheelchair ramp
details are on sheet 30

CURVE DATA GUTTER LINE (Both Curves)

Δ	47°01'56"
$\frac{1}{2}$	23°30'53"
R	25.00
T	10.88
C	19.95
L	20.52
$\frac{1}{4}$	11°45'29"
Ch	4.71 @ Top of Curb

NOTE: Adjust curb grades to accommodate wheelchair ramps.

PLAN
MAUNAWAI PLACE
RETURN
Scale: 1" = 10'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION
DETAIL PLAN
KAPIOLANI BOULEVARD
STA. 141+50 to STA. 148+00
INTERSTATE ROUTE HI
KAPIOLANI INTERCHANGE ON-RAMP
F.A.I. PROJ. NO. I-HI-1 (157)-24
Scale: 1" = 20' Date: 10-15-79
SHEET NO. 2 OF 6 SHEETS

Tax Map Key:
2-7-22 & 25

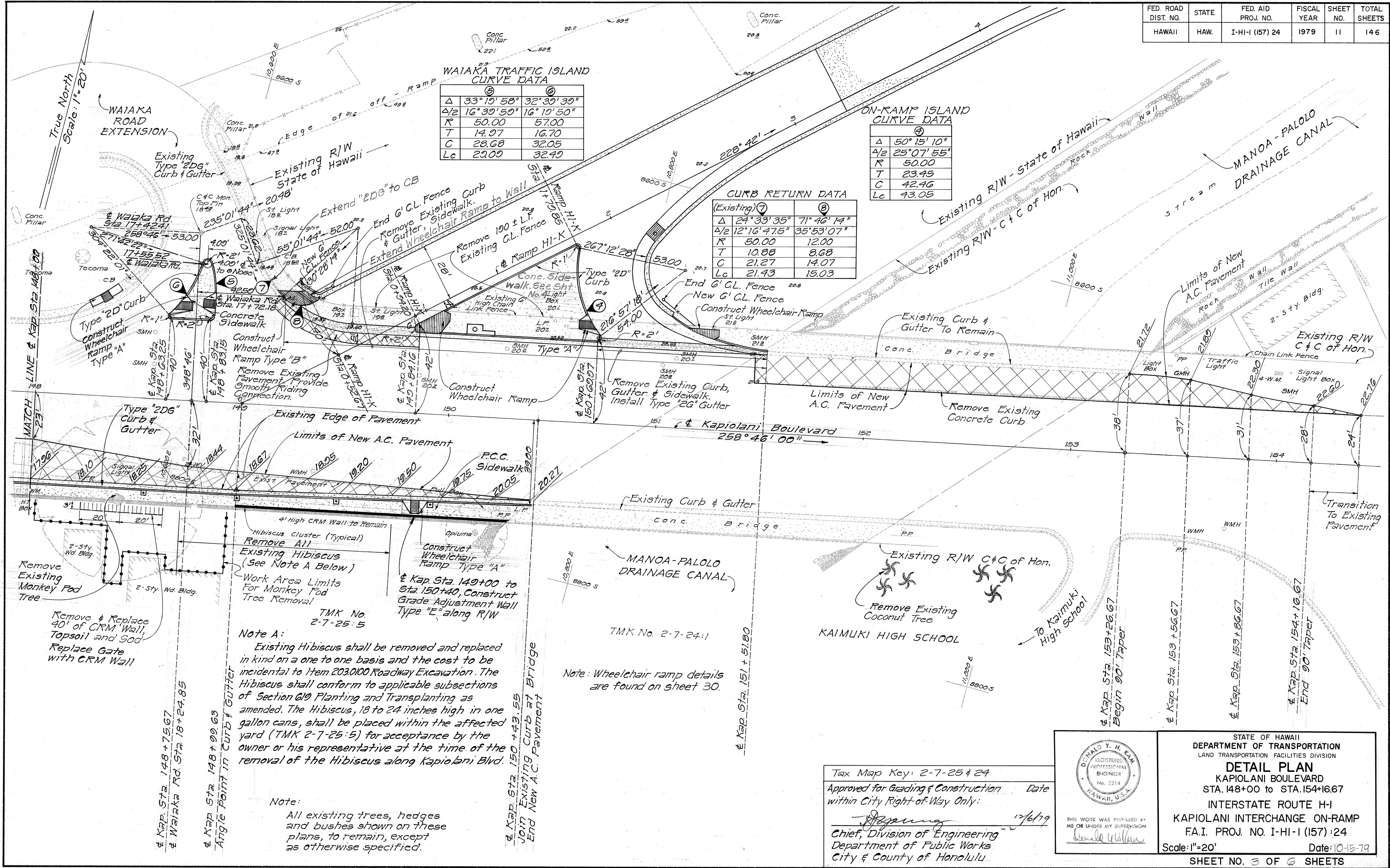
Approved for Grading & Construction within City Right-of-Way Only:
[Signature]
Chief, Division of Engineering
Department of Public Works
City & County of Honolulu

REGISTERED PROFESSIONAL ENGINEER
No. 2214
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
[Signature]

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1 (157) 24	1979	11	146



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
TRACED BY		
NOTED BY		
QUANTITIES BY		
CHECKED BY		
No.		

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Donald Y. H. Kim

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

DETAIL PLAN
KAPIOLANI BOULEVARD
STA. 148+00 TO STA. 154+16.67

INTERSTATE ROUTE HI-KAPIOLANI INTERCHANGE ON-RAMP
F.A.I. PROJ. NO. I-HI-1 (157) :24

Scale: 1"=20' Date: 10-15-79

Tax Map Key: 2-7-25 & 24

Approved for Grading & Construction Date: 12/6/79

within City Right-of-Way Only:

Joseph
Chief, Division of Engineering
Department of Public Works
City & County of Honolulu

SHEET NO. 3 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(157)-24	1979	13	146

⊕ Ramp HI-K Curve Data

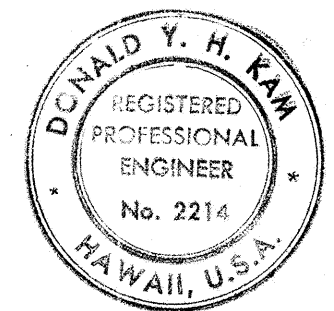
Δ	60°13'45"
R	540.00
T	313.21
C	541.87
Lc	567.65

NOTE:
No falsework supports permitted on the existing South King Street Bridge.

DATE	_____
SURVEY PLOTTED BY	_____
ORIGINAL PLAN	_____
DESIGNED BY	_____
NOTED BY	_____
CHECKED BY	_____
NO.	_____

NOTE:
All existing trees, hedges and bushes shown on these plans, to remain, except as otherwise specified.

Approved for Grading & Construction Date 1-16/79
within City Right of Way Only:
Chief, Div. of Engineering
Department of Public Works
City & County of Honolulu



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

DETAIL PLAN
KAPIOLANI ON-RAMP HI-K
STA. 5 + 00 to STA. 8 + 00

INTERSTATE ROUTE HI-1
KAPIOLANI INTERCHANGE ON-RAMP
F.A.I. PROJ. NO. I-HI-1(157)-24

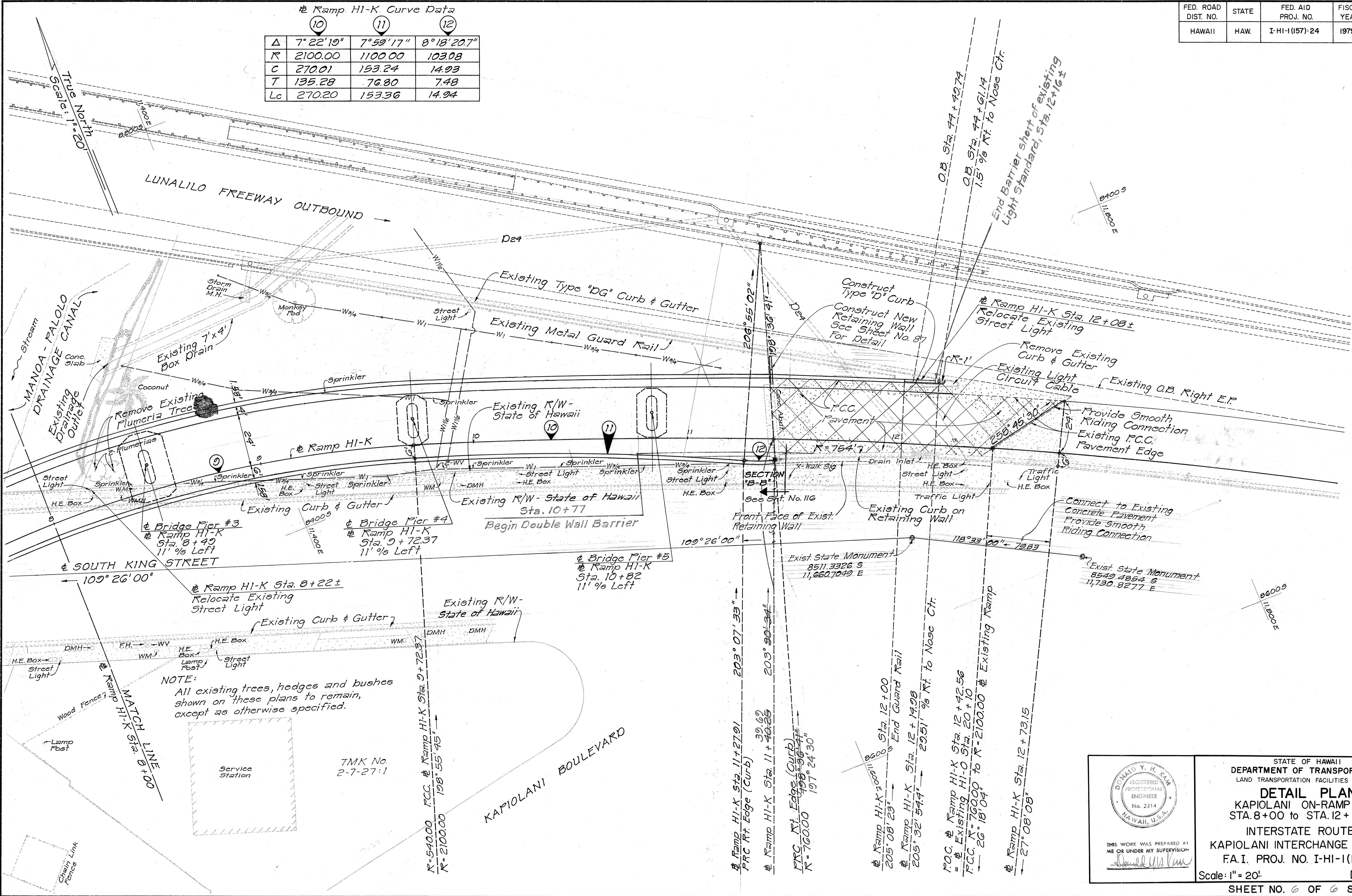
Scale: 1" = 20' Date: 10-15-79

SHEET NO. 5 OF 6 SHEETS

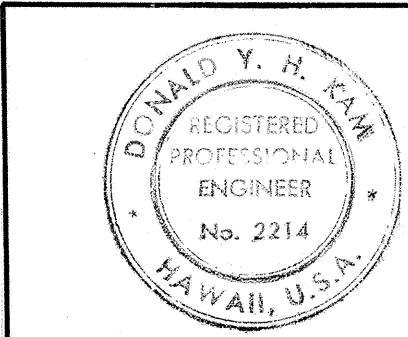
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(157)-24	1979	14	146

Ramp HI-K Curve Data

	10	11	12
Δ	7°22'19"	7°59'17"	8°18'20.7"
R	2100.00	1100.00	103.08
C	270.01	153.24	14.93
T	135.28	76.80	7.48
Lc	270.20	153.36	14.94



ORIGINAL PLAN	DATE
DESIGNED BY	
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	



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ME OR UNDER MY SUPERVISION
Donald Y. H. Kim

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

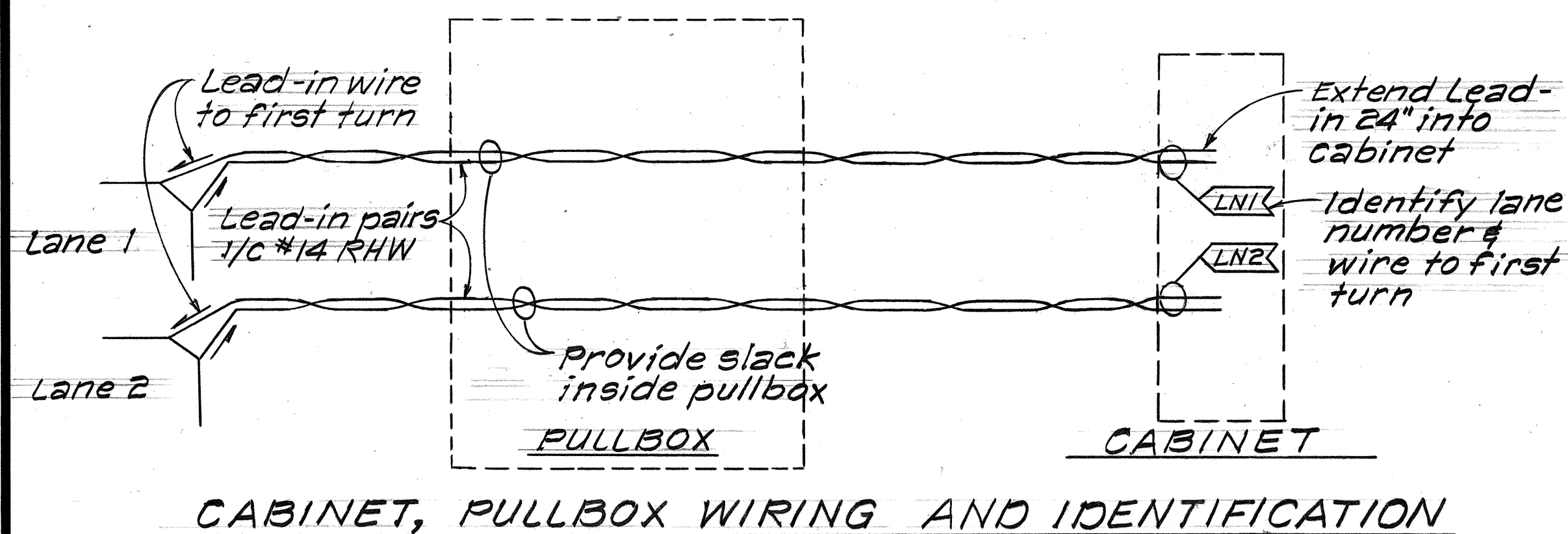
DETAIL PLAN
KAPIOLANI ON-RAMP HI-K
STA. 8+00 to STA. 12+73.15

INTERSTATE ROUTE HI
KAPIOLANI INTERCHANGE ON-RAMP
F.A.I. PROJ. NO. I-HI-1(157)-24

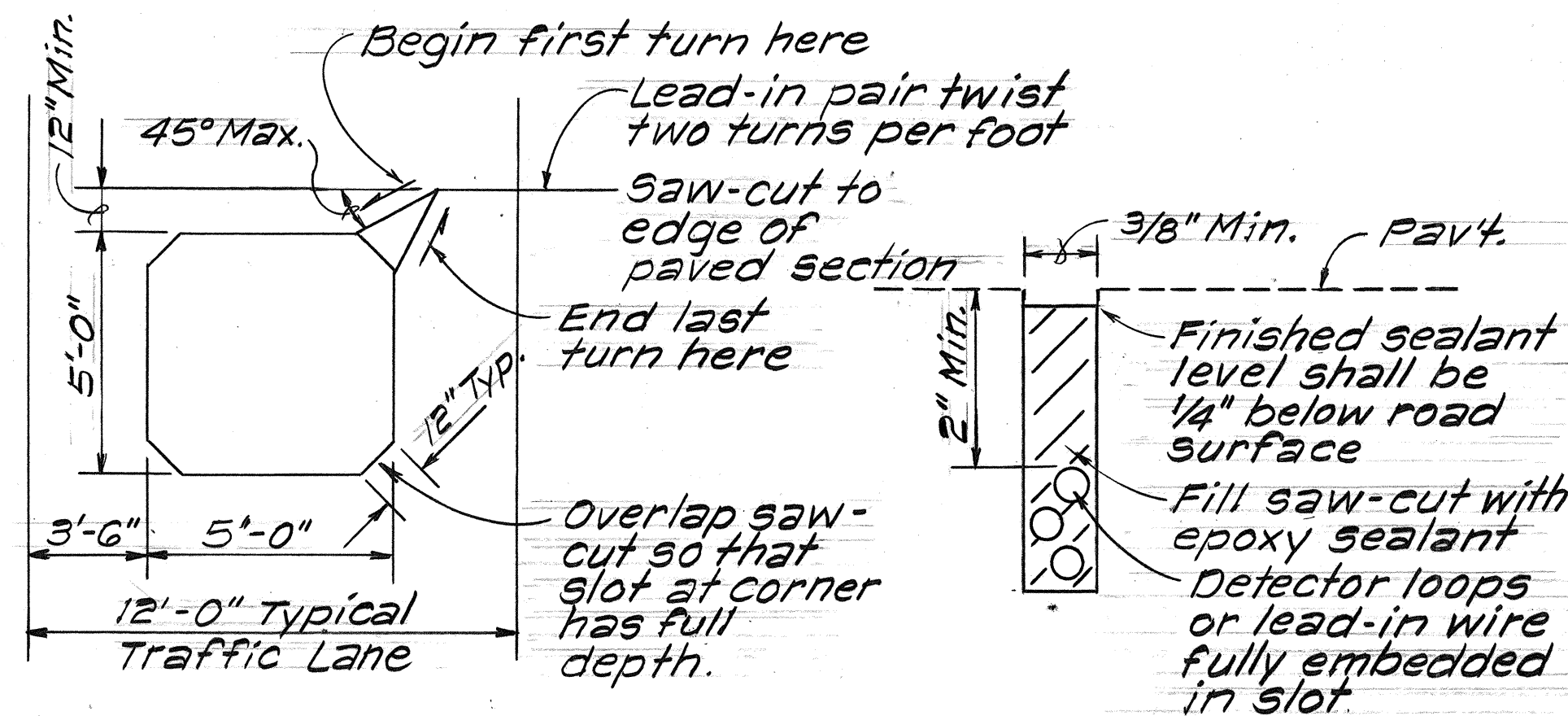
Scale: 1" = 20' Date: 10-15-79

SHEET NO. 6 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(157):24	1983	C.O. 145-1	146



CABINET, PULLBOX WIRING AND IDENTIFICATION



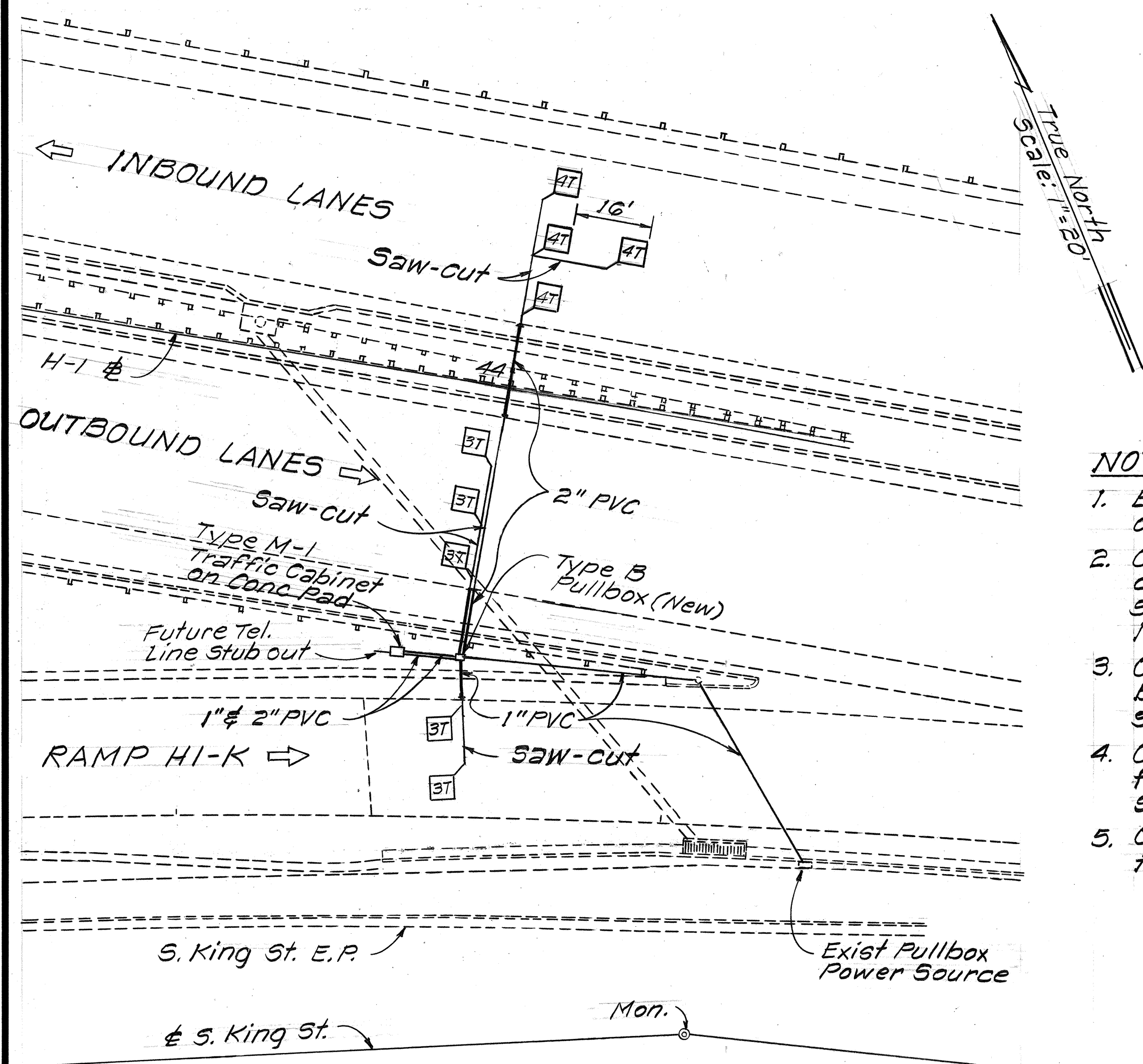
TYPICAL LOOP AND SLOT TYPICAL SAW-CUT

NOTES:

- Center loop within the traffic lane. 6 Ft. minimum distance between adjacent loops.
- Loop & lead-in to pullbox shall be one continuous wire.
- Identify & indicate lead-in wires by Inbound/Outbound / On Ramp and by lane number for each lead-in pair.
- Identify & indicate lead-in wire to first turn.
- Clean saw cut thoroughly before filling with epoxy sealant.
- All PVC conduits used shall be type schedule 80.

DETECTOR LOOP

Not to Scale



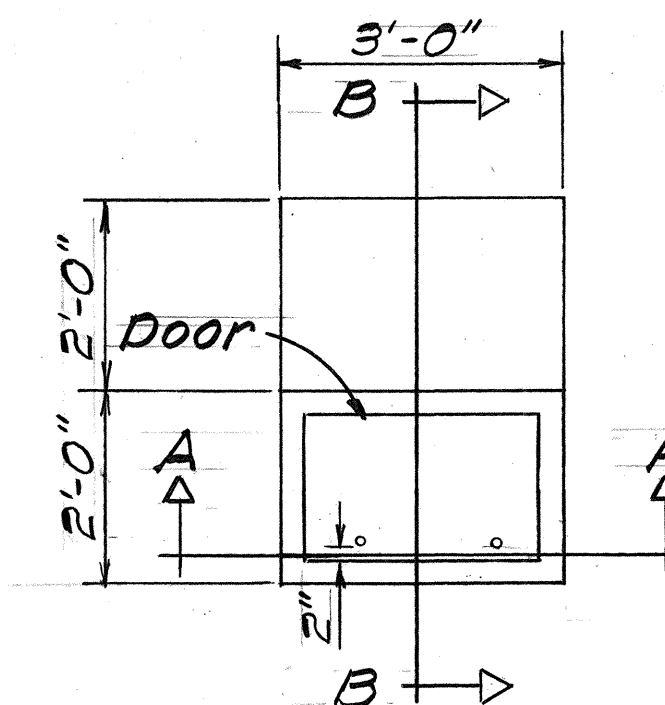
PLAN

Scale: 1"=20'

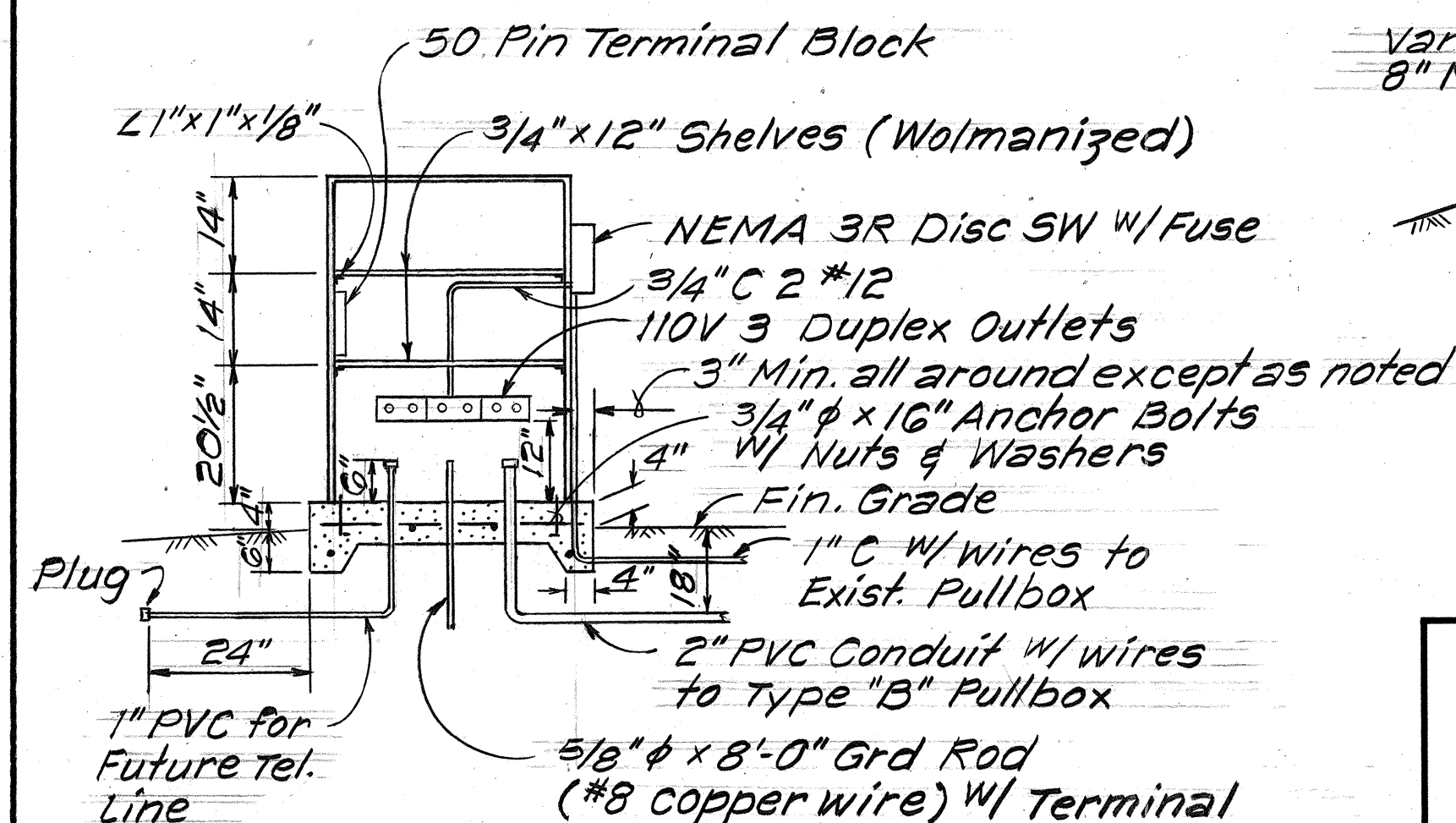
NOTE:
Refer to Sht. 14 for Roadway Details.

NOTES:

- Engineer will determine the exact location of the concrete pad and pullbox.
- Contractor shall inform the Engineer one day prior to pouring the concrete slab, saw-cutting pavement and installing loop detectors.
- Continuity of lead-in wires shall be tested by the Contractor and warranty of same shall be for one year.
- Contractor shall provide 110V A.C. power from existing pullbox power source as shown on plan.
- Contractor shall restore all affected areas to its original condition.



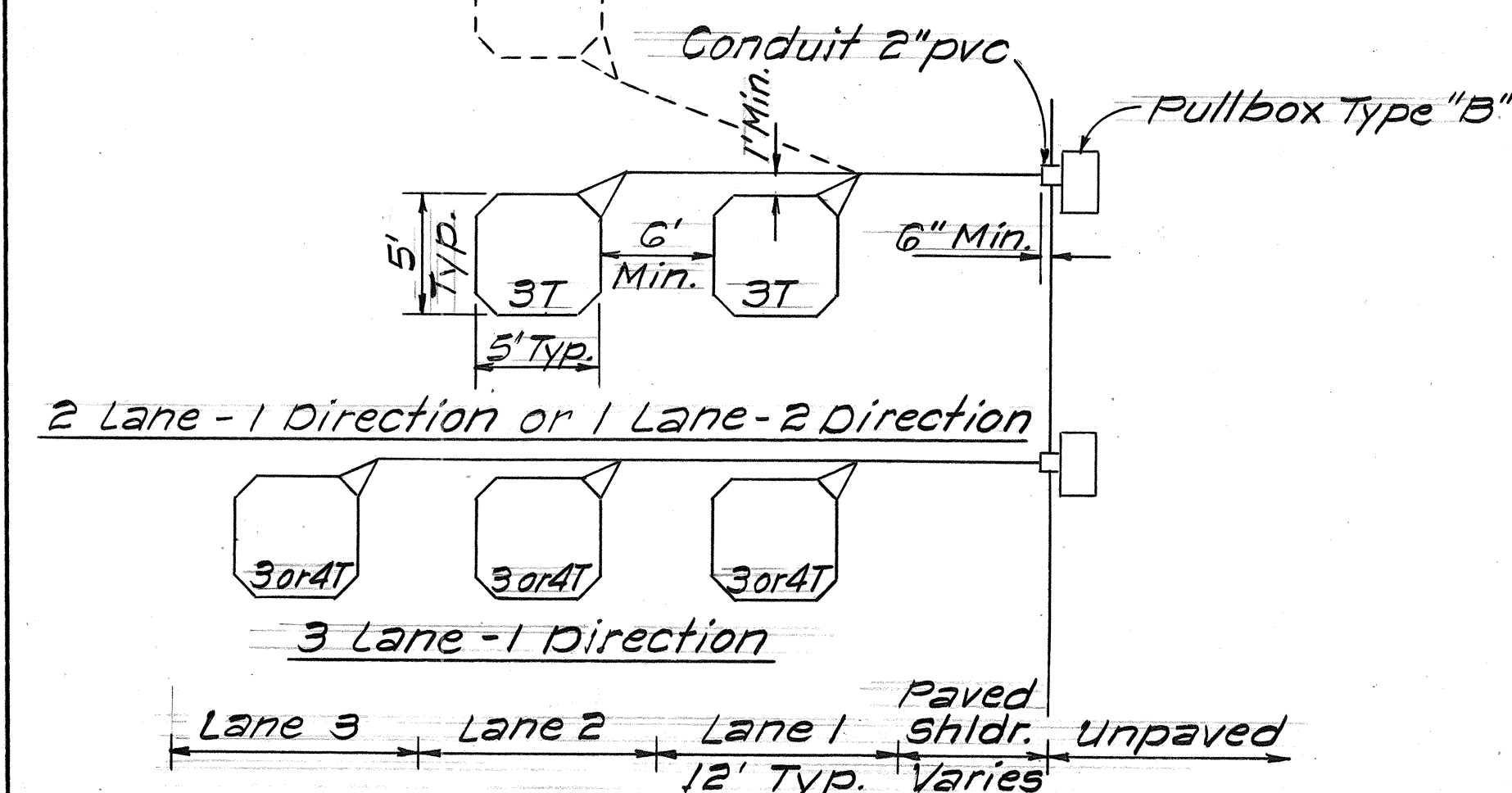
PLAN



SECTION A-A

CONCRETE PAD AND CABINET

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

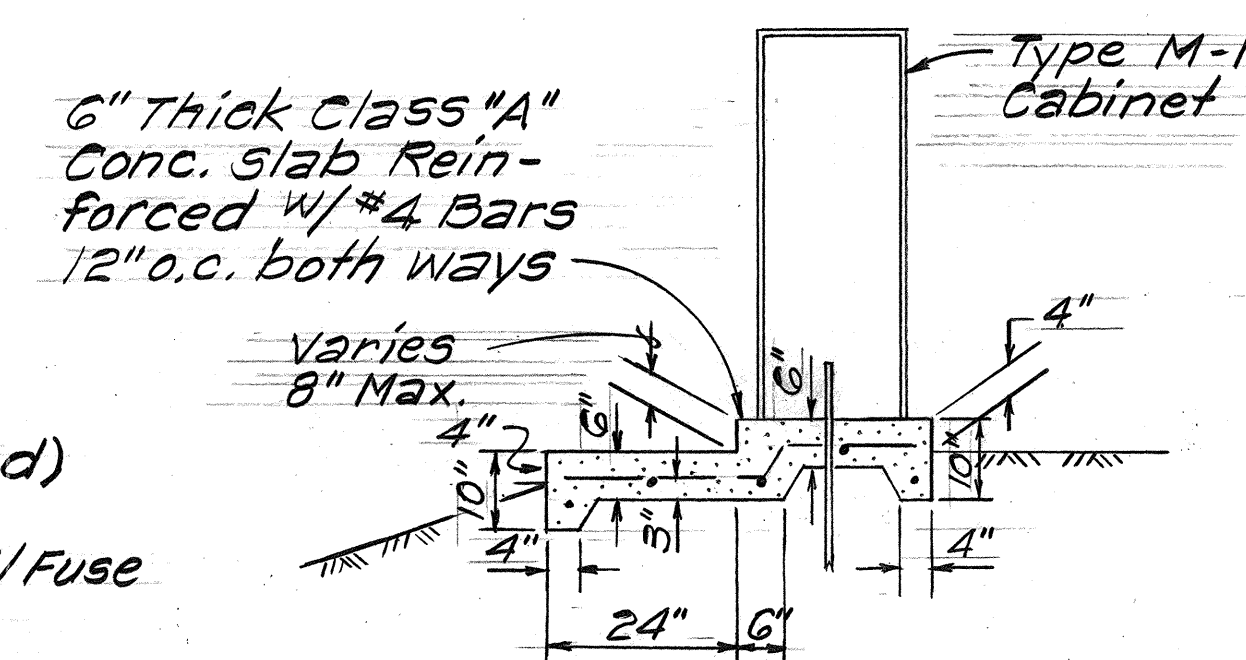


LOOP LAYOUT NOTES:

- Detector loop shall consist of three turns (3T) or four turns (4T) of 1/c, 14 AWG, RHW-USE-XLP wire embedded in a 3/8" minimum saw-cut.
- Loop & lead-in to pullbox shall be one continuous wire. Lead-in wires from the same loop shall be twisted in pairs two turns (2) per foot. Do NOT twist one loop-pair with another loop-pair.
- Stagger traffic loops in roadway less than 12' lane width as shown in dash lines.

TYPICAL LOOP LAYOUT

Not to Scale



SECTION B-B

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC COUNT STATION

INTERSTATE ROUTE H-1
KAPIOLANI INTERCHANGE ON-RAMP
F.A.I. PROJ. NO. I-HI-1(157):24

Scale: As Shown Date: Mar., 1983

SHEET No. 6A OF 6 SHEETS

CO14S-1

DATE	DESIGNED BY	CHECKED BY
DESIGNED BY	TRACED BY	DESIGNED BY
NOTE BOOK	QUANTITIES BY	CHECKED BY
NO.		