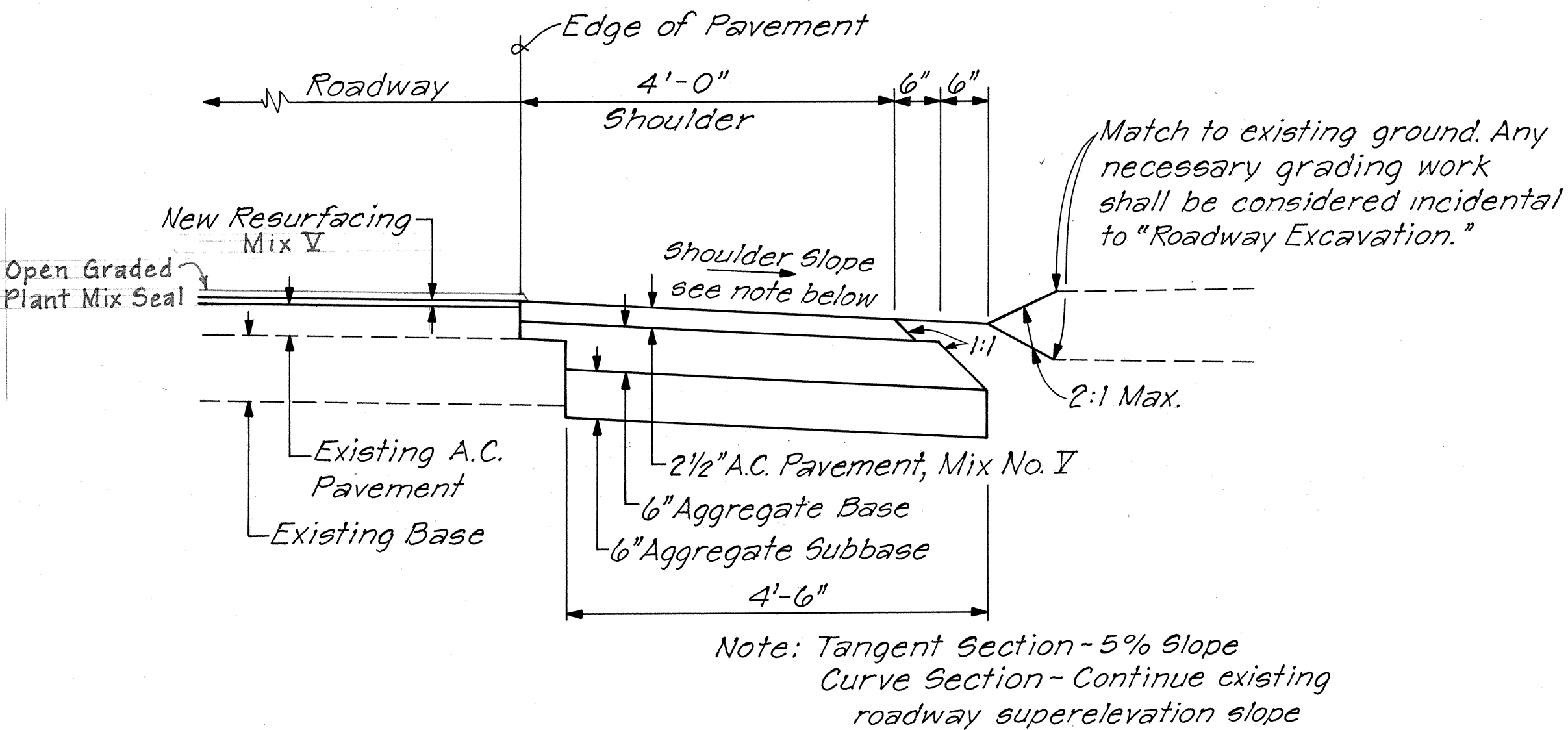
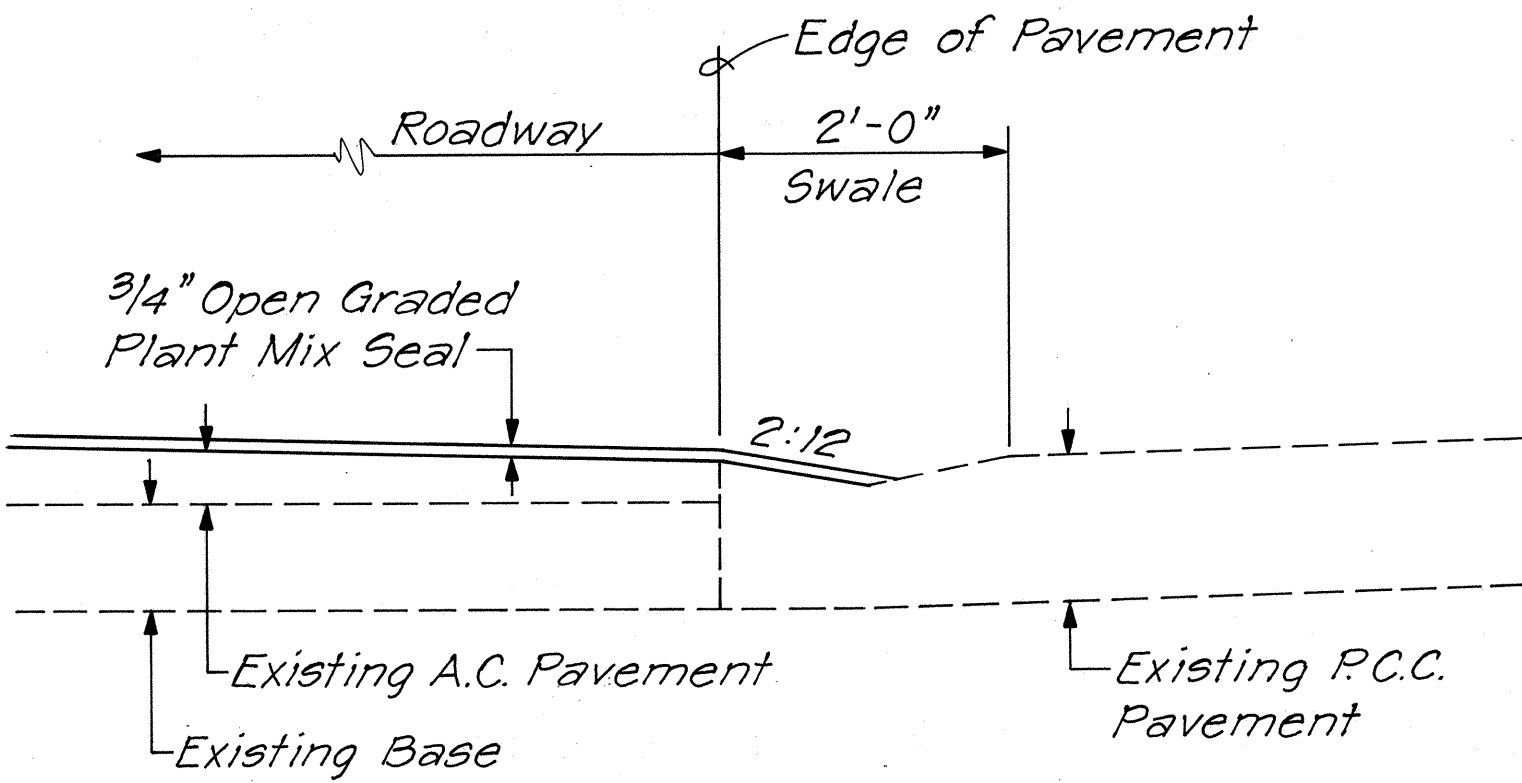


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99C-01-79M LT-0-03-79M	1978	2	8

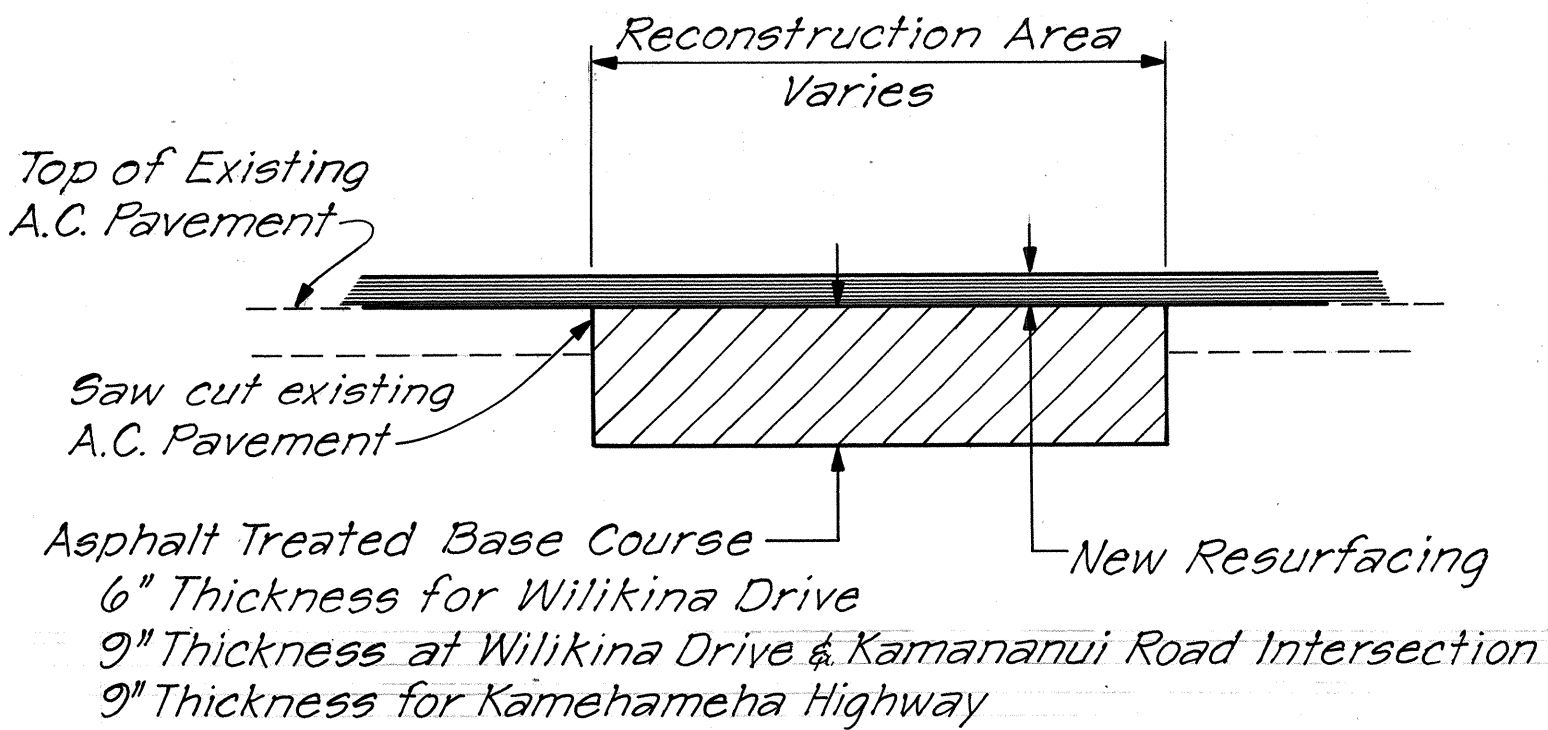
TABLE OF PAVEMENT MARKERS, STRIPING, AND MARKINGS FOR WILIKINA DRIVE	
<u>End of Interstate Route H-2 to a point 240' East of Kunia Rd.</u>	
<u>Wilikina Drive Sta. 15+90 to Sta. 36+00</u>	
Pavement Striping	8,800 Linear Feet
Crosswalk Marking	6 Lanes
Pavement Arrows	1 Each
Type A Pavement Markers	352 Each
Type C Pavement Markers	125 Each
Type H Pavement Markers	100 Each
<u>240' East of Kunia Road to a point 880' East of Macomb Gate</u>	
<u>Wilikina Drive Sta. 36+00 to Sta. 69+00</u>	
Pavement Striping	15,600 Linear Feet
Crosswalk Marking	12 Lanes
Pavement Arrows	7 Each
Type A Pavement Markers	604 Each
Type C Pavement Markers	222 Each
Type H Pavement Markers	170 Each
<u>880' East of Macomb Gate to Kamananui Road</u>	
<u>Wilikina Drive Sta. 69+00 to Sta. 113+00</u>	
Pavement Striping	19,600 Linear Feet
Crosswalk Marking	27 Lanes
Pavement Arrows	4 Each
Type A Pavement Markers	404 Each
Type C Pavement Markers	215 Each
Type D Pavement Markers	110 Each
Type H Pavement Markers	150 Each
Note: All above quantites are approximate only and may vary due to field conditions. In all cases, the new pavement marking and striping pattern shall be tied into the existing pavement marking and striping pattern at the project limits and at all cross streets.	



GRASS OR DIRT SHOULDER SECTION
SCALE: 3/4" = 1'-0"



P.C.C. PAVEMENT SECTION WITH DRAINAGE SWALE
SCALE: 3/4" = 1'-0"



TYPICAL RECONSTRUCTION AREA
NOT TO SCALE

GENERAL NOTES

1. Resurfacing on Wilikina Drive will be with 3/4" thickness of Open Graded Plant Mix Seal, unless otherwise directed by the Engineer. There will be no resurfacing on P.C.C. pavement except on P.C.C. pavement within the median area and as shown on the typical section for "P.C.C. Pavement Section With Drainage Swale." There shall be no resurfacing over Kaulanahua Bridge.
2. Resurfacing on Kamehameha Highway will be with 1" thickness of Asphalt Concrete, Mix No. V, unless otherwise directed by the Engineer.
3. Smooth riding transitions as directed by the Engineer shall be provided at the beginning and end of the projects, at bridge approaches and at all paved roadway connections.
4. All holes and cracks shall be filled and compacted with Asphalt Concrete, Mix No. V. Ruts on existing roadway pavement shall be filled with a thin layer of Asphalt Concrete, Mix No. V. This work shall be done prior to resurfacing and shall be paid for under "Asphalt Concrete Pavement, Mix No. V."
5. The exact limits of the reconstruction areas will be determined by the Engineer.
6. Work on all existing Centerline Monuments and C & C Street Survey Monuments (if any) in pavement area shall be done as follows:
 - (1). On Wilikina Drive Centerline Monuments shall be referenced before resurfacing and shall be exposed after resurfacing. C & C Street Survey Monuments shall be raised to new grade as shown on sheet no. 2. This work shall be considered incidental to various contract items, and shall not be paid for separately.
 - (2). On Kamehameha Highway it shall be adjusted or raised to new grade as shown on sheet no. 2. This work shall be considered incidental to various contract items, and shall not be paid for separately.
7. After paving, the contractor shall locate all existing manholes in a manner satisfactory to the Engineer. The Contractor shall notify all applicable utility agencies or companies 24 hours prior to the beginning of the paving operation. This work shall be considered as incidental to "Open Graded Plant Mix Seal" and "Asphalt Concrete Pavement, Mix No. V," and shall not be paid for separately.
8. The Contractor shall remove and dispose all existing raised pavement markers in the resurfacing areas prior to laying of Open Graded Plant Mix Seal and Asphalt Concrete, Mix No. V. This work shall be considered incidental to "Open Graded Plant Mix Seal" and "Asphalt Concrete Pavement, Mix No. V," and shall not be paid for separately.
9. The Contractor's attention is directed to Subsection 203.03(A) "Roadway Excavation" of "Section 203 - EXCAVATION AND EMBANKMENT" and to Subsection 629.03 "Construction Requirements" of "Section 629 - PAVEMENT MARKERS, STRIPING AND MARKINGS" in the Special Provisions.
10. Asphalt Concrete paved shoulders (4' wide) shall be constructed along the uncurbed section of the highways or as directed by the Engineer.
11. For vehicle and pedestrian safeguard, excavation for paved shoulder construction shall not be left opened at the end of the work day. The Contractor shall backfill the excavated section with aggregate subbase and aggregate base. It shall be compacted as required for the paved shoulder construction before the end of each day's work.
12. Resurfacing at Wilikina Drive and Kamananui Road Intersection will be with 1" thickness of Asphalt Concrete, Mix No. V and 3/4" thickness of Open Graded Plant Mix Seal beginning from Sta 21+88±, unless otherwise directed by the Engineer.
13. The Contractor shall pave the full travel way or total width of roadway each day so as not to leave a hazardous longitudinal drop between lane passes of paver.
14. Epoxy used for the recovery of Centerline Monuments shall be of type approved by the Engineer.
15. Police Officers shall be used for the control of traffic at work sites when two-way traffic is routed on a single lane. This work shall be considered incidental to various contract items and shall not be paid for separately.

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

LAND TRANSPORTATION FACILITIES DIVISION

TYPICAL SECTIONS AND

GENERAL NOTES

WILIKINA DRIVE RESURFACING

KAM. HWY. (BEGINNING OF H-2 FREEWAY)

TO KAMANANUI ROAD

PROJECT NO. 99C-01-79M &

KAMEHAMEHA HIGHWAY RESURFACING

WEED JUNCTION TOWARDS WAHIAWA

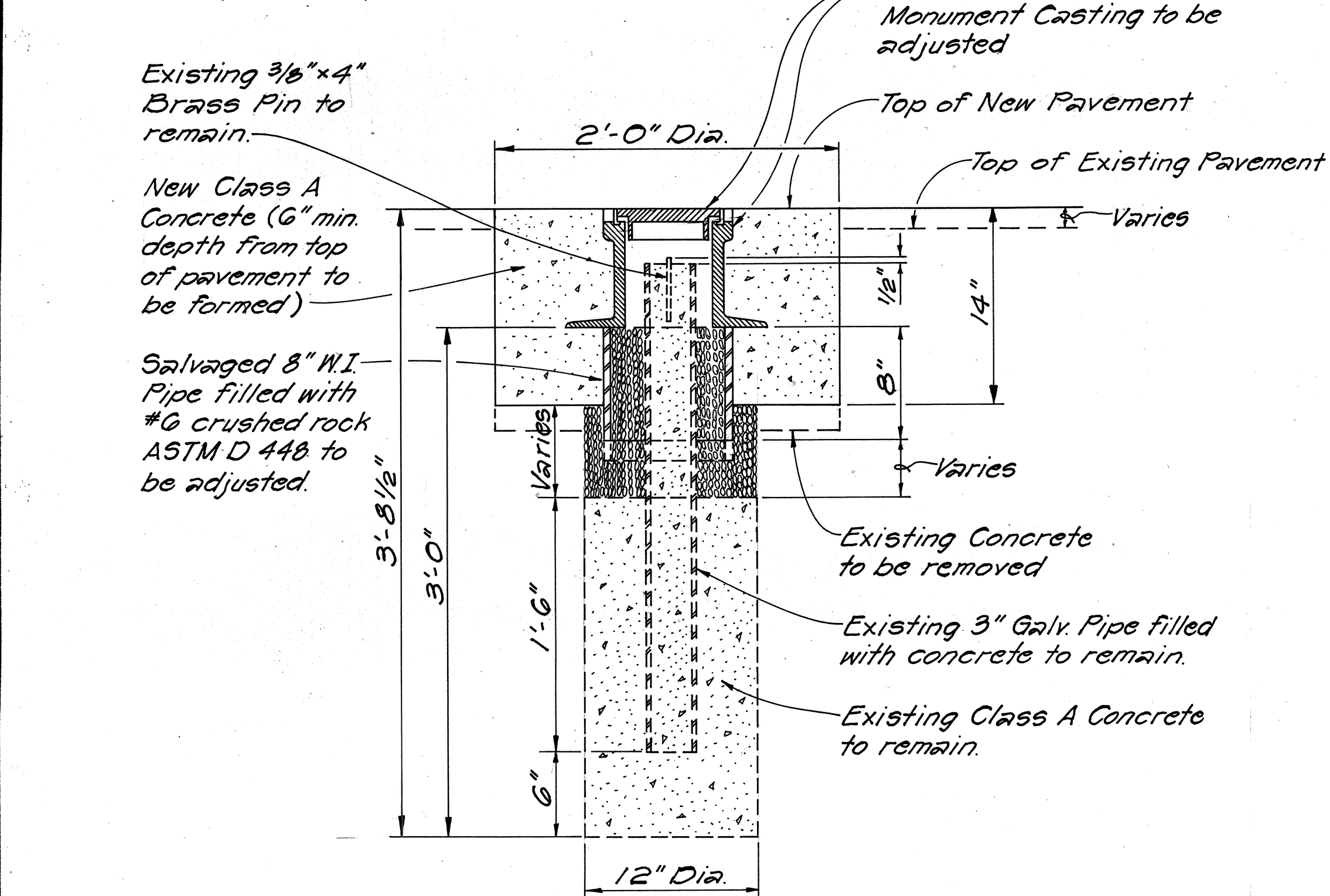
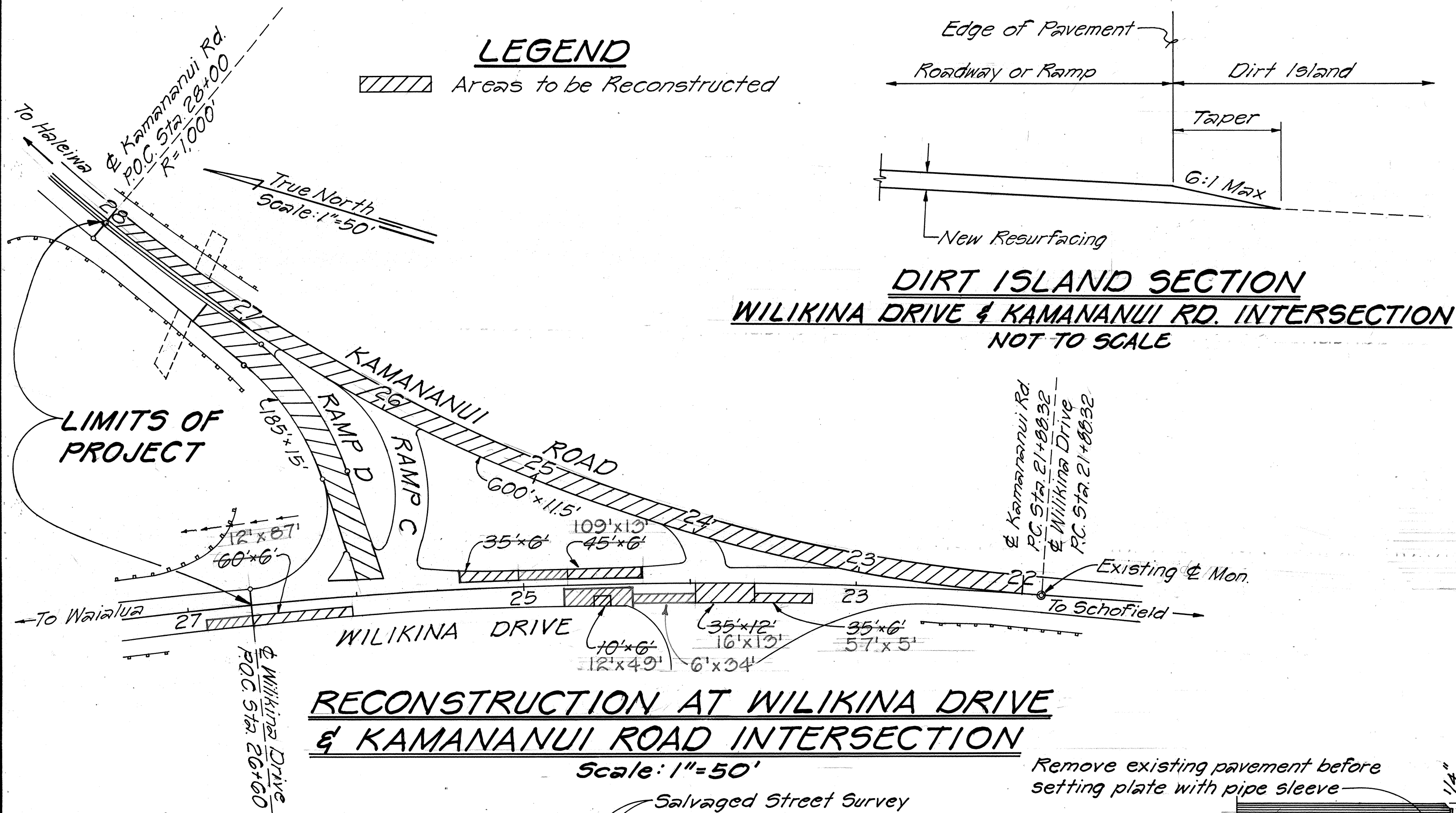
PROJECT NO. LT-0-03-79M

SHEET NO. 1 OF 2 SHEETS

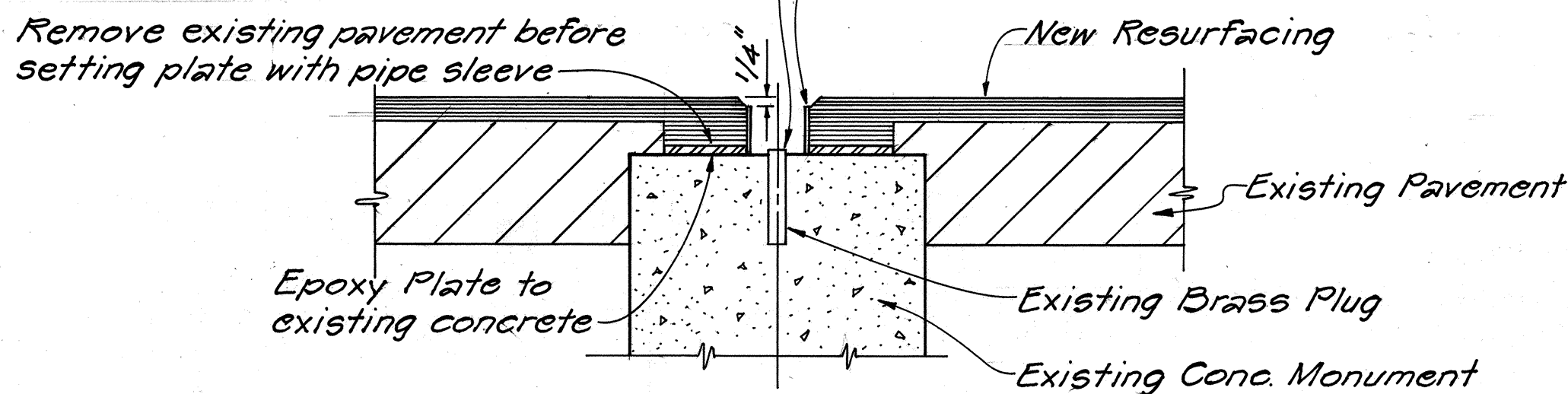
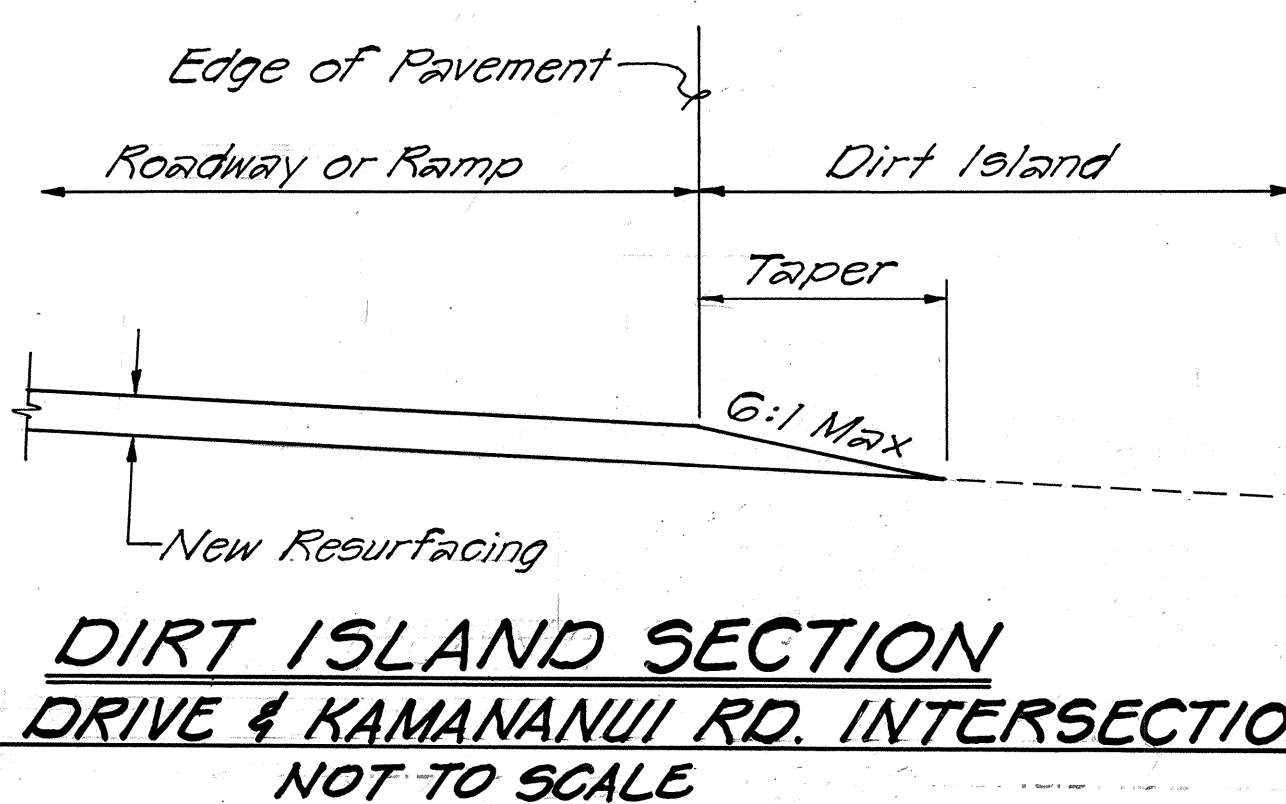
SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

0-0-7
0-0-2
0-0-1

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99C-01-79M LT-0-03-79M	1978	3	8



TYPICAL STREET SURVEY MONUMENT ADJUSTMENT
SCALE: 1 1/2" = 1'-0"



SECTION THRU MONUMENT

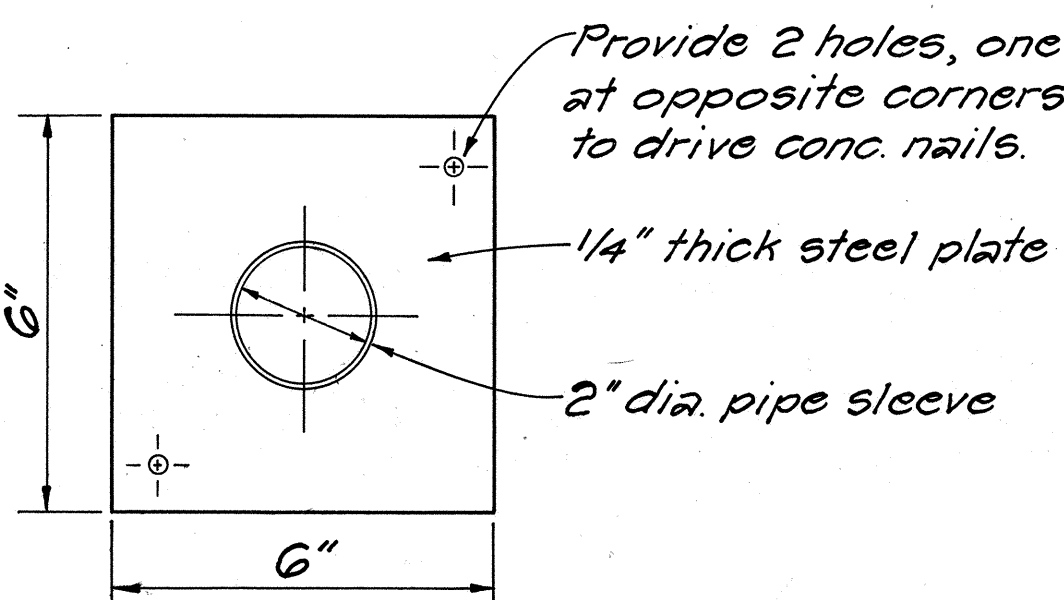


PLATE PLAN

DETAIL FOR RECOVERY OF & AND REFERENCE SURVEY MONUMENT
NOT TO SCALE

10/13/78	Increased scope of work by extending project length to Sta. 84+00 towards Wahiawa per Subsection 104.09-Availability of Funds of the Special Provisions
DATE	REVISION

WILIKINA DRIVE
Proj. No. 99C-01-79M

STATION	OFFSET FROM BASELINE	DIMENSIONS (FEET)
34+95	32.5 RT.	80 x 34
69+05.48	31.5 LT.	30 x 54 x 6
77+35.51	32.0 RT.	220 x 4124 x 7
84+95.57	33.0 RT.	10 x 20 x 3
15+50.60	42.0 LT.	50 x 167 x 13
16+40.19	(ON TURN OFF)	
17+35.52	1.5 LT. 10.0	10 x 316 x 13
	10.0 RT.	15 x 2416 x 13
WILIKINA DRIVE & KAMANANUI ROAD INTERSECTION - See Plan on this sheet.		
31+50	33.0 RT.	16 x 4
32+25	33.0 RT.	5 x 4
74+60	32.0 RT.	13 x 5
76+35	32.0 RT.	12 x 3
76+67	32.0 RT.	104 x 9
19+88	10.0 LT.	28 x 5
20+37	10.0 RT.	13 x 6

See below for pipe sleeve and plate details.

2" I.D. Pipe Sleeve

New Resurfacing

Existing Pavement

Existing Brass Plug

Existing Conc. Monument

PLATE ELEVATION

Proj. No. LT-0-03-79M
(Continued)

STATION	LT. or RT. of BASELINE	DIMENSIONS (FEET)
130+65.42	R	3 x 3 x 18
136+25.132	R L	20 x 4 x 26
132+70.00	L	3 x 2.5 x 6
117+30.108	R	15 x 126 x 64
107+10.108	R	65 x 6 x 70
106+25.92	R	35 x 64 x 4
102+20.106	R	25 x 6 x 21

KAMEHAMEHA HIGHWAY
Proj. No. LT-0-03-79M

STATION	LT. or RT. of BASELINE	DIMENSIONS (FEET)
189+50.10	L R	3 x 24 x 4
191+10.100	R	3 x 35 x 71
191+50.00	R	55 x 611 x 136
192+50.75	R	55 x 124 x 40
192+95.193	R	5 x 616
193+05.134	R	60 x 64 x 47
193+20.104	R	5 x 64 x 7
194+90.125	R	10 x 64 x 17
195+55.198	R L	30 x 64 x 5
196+40.190	R L	20 x 45 x 14
200+97.100	R	10 x 45 x 7
199+30.200	L R	10 x 4 x 6
200+25.50	R	3 x 3 x 5
209+45.200	L R	90 x 124 x 7
209+90.00	L R	5 x 1211 x 83
209+22.25	L R	50 x 6 x 11
228+40.209	R L	40 x 60 x 11
229+55.209	R	175 x 64 x 22
103+40.101	R	20 x 64 x 10
104+10.102	R	6 x 35 x 24
104+30.121	R	10 x 34 x 74
123+00.85	R	15 x 65 x 17
124+75.00	R L	10 x 46 x 4
128+00	L	6 x 244 x 73
130+35.00	L	3 x 24 x 40
132+31+60	L	10 x 26 x 16
132+60.75	L	10 x 34 x 9
137+60.41	R	15 x 612 x 26
137+75.41	R L	10 x 125 x 27
145+90.19	L	10 x 35 x 3
147+05.146	L	10 x 249 x 24
157+60.00	R L	25 x 1211 x 24
159+35.00	R L	70 x 65 x 27
161+70	R L	65 x 65 x 63
165+85.61	R L	10 x 6 x 24
165+95.80	L	65 x 24
166+15.168	L R	5 x 2430 x 6
169+20	R	20 x 309 x 65
170+00.165	R L & R	20 x 3 x 24
184+10.185	L	2 x 243 x 12
185+35.96	L R	15 x 312 x 3
190+75.191	L	40 x 3 x 30
193+90.191	L	20 x 65 x 12
194+05.191	L R	10 x 1222 x 4
194+30.199	R	6 x 64 x 9
199+70	R	20 x 64 x 12
215+15	L R	2 x 243 x 12
215+50	L	76 x 24
220+85	L	2 x 2412
221+05	L R	10 x 245 x 12

For additional Schedule of Reconstruction, see Sht. No. 4.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION
TYPICAL SECTION AND
SCHEDULE OF RECONSTRUCTION
WILIKINA DRIVE RESURFACING
KAM. HWY. (BEGINNING OF H-2 FREEWAY)
TO KAMANANUI ROAD
PROJECT NO. 99C-01-79M &
KAMEHAMEHA HIGHWAY RESURFACING
WEED JUNCTION TOWARDS WAHIAWA
PROJECT NO. LT-0-03-79M
SHEET NO. 2 OF 2 SHEETS

ORIGINAL PLAN	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NO.	