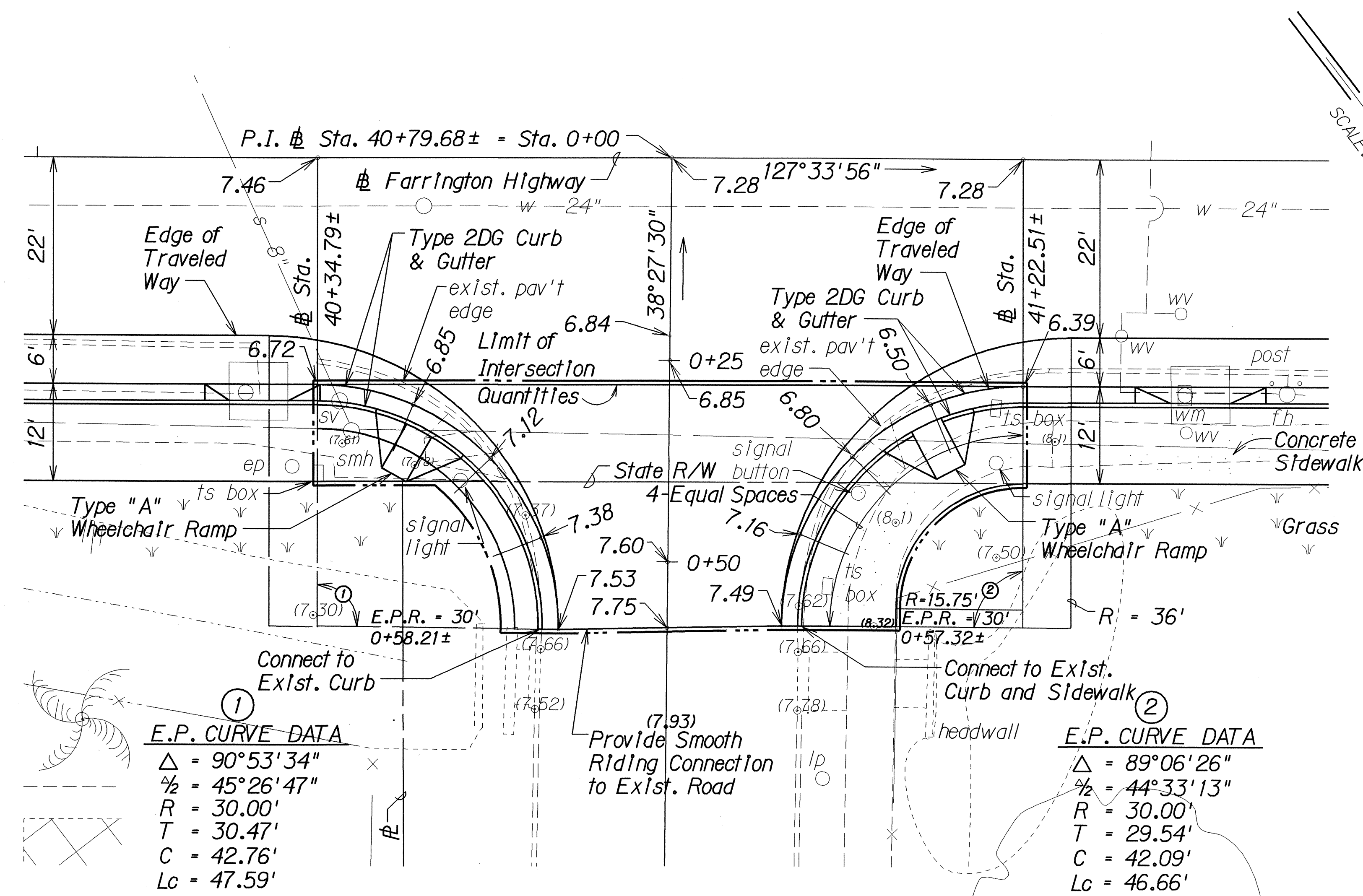


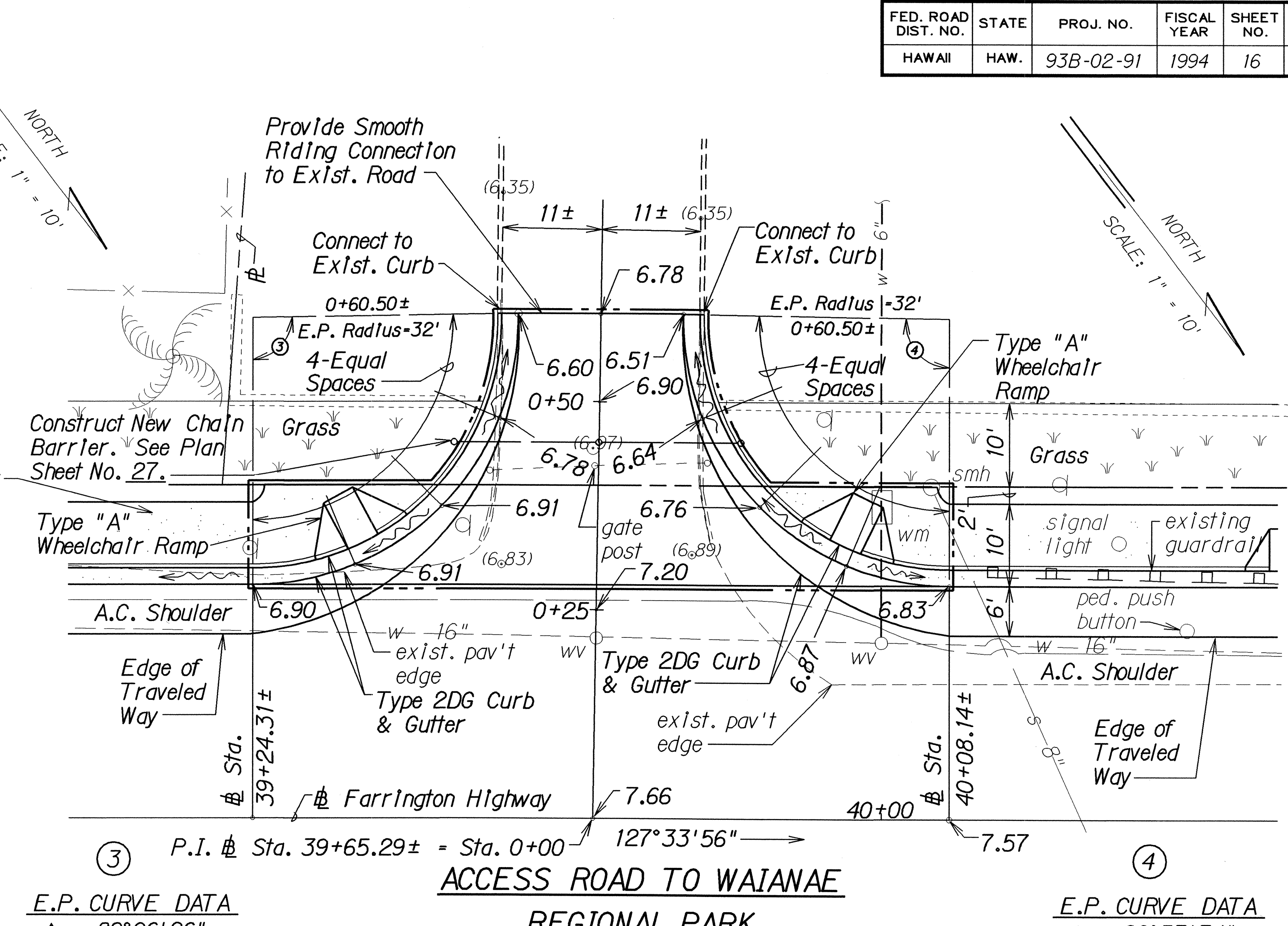
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	93B-02-91	1994	16	122



ACCESS ROAD TO WAIANAE INTERMEDIATE SCHOOL

ESTIMATED QUANTITIES

A.C. Mix No. IV	= 32.8 Tons
Asphalt Conc. Base Course	= 67.1 Tons
Aggregate Subbase	= 28.0 C.Y.
Prime Coat	= 49.7 Gal.
Type "A" Wheelchair Ramp	= 2 Ea.
Plain Concrete Sidewalk	= 40.0 Sq. Yd.
Type 2DG Curb & Gutter	= 59.0 L.F.
Roadway Exc.	= 144.0 C.Y.



ACCESS ROAD TO WAIANAE REGIONAL PARK

ESTIMATED QUANTITIES

A.C. Mix No. IV	= 28.2 Tons
Asphalt Conc. Base Course	= 57.7 Tons
Aggregate Subbase	= 25.0 C.Y.
Prime Coat	= 43.0 Gal.
Type "A" Wheelchair Ramp	= 2 Ea.
Class "A" Conc.	= 0.4 C.Y.
Str. Exc.	= 0.4 C.Y.
Plain Concrete Sidewalk	= 18.0 Sq. Yd.
Type 2DG Curb & Gutter	= 70.0 L.F.
Roadway Exc.	= 93.1 C.Y.
Barrier	= 1 Ea.

LEGEND

- 8.52 = F.I.n. Grade @ Arrowhead
- (8.46) = Exst. Grade @ Decimal
- = Drainage Flow
- = Limit of Intersection Roadway Quantities

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

INTERSECTION DET. PLANS

ACCESS RDS. TO WAIANAE REGIONAL PARK
& WAIANAE INTERMEDIATE SCHOOL
FARRINGTON HIGHWAY WIDENING
Ala Hema Street towards Jade Street
Project No. 93B-02-91

Scale: 1"=10'
Date: July, 1992

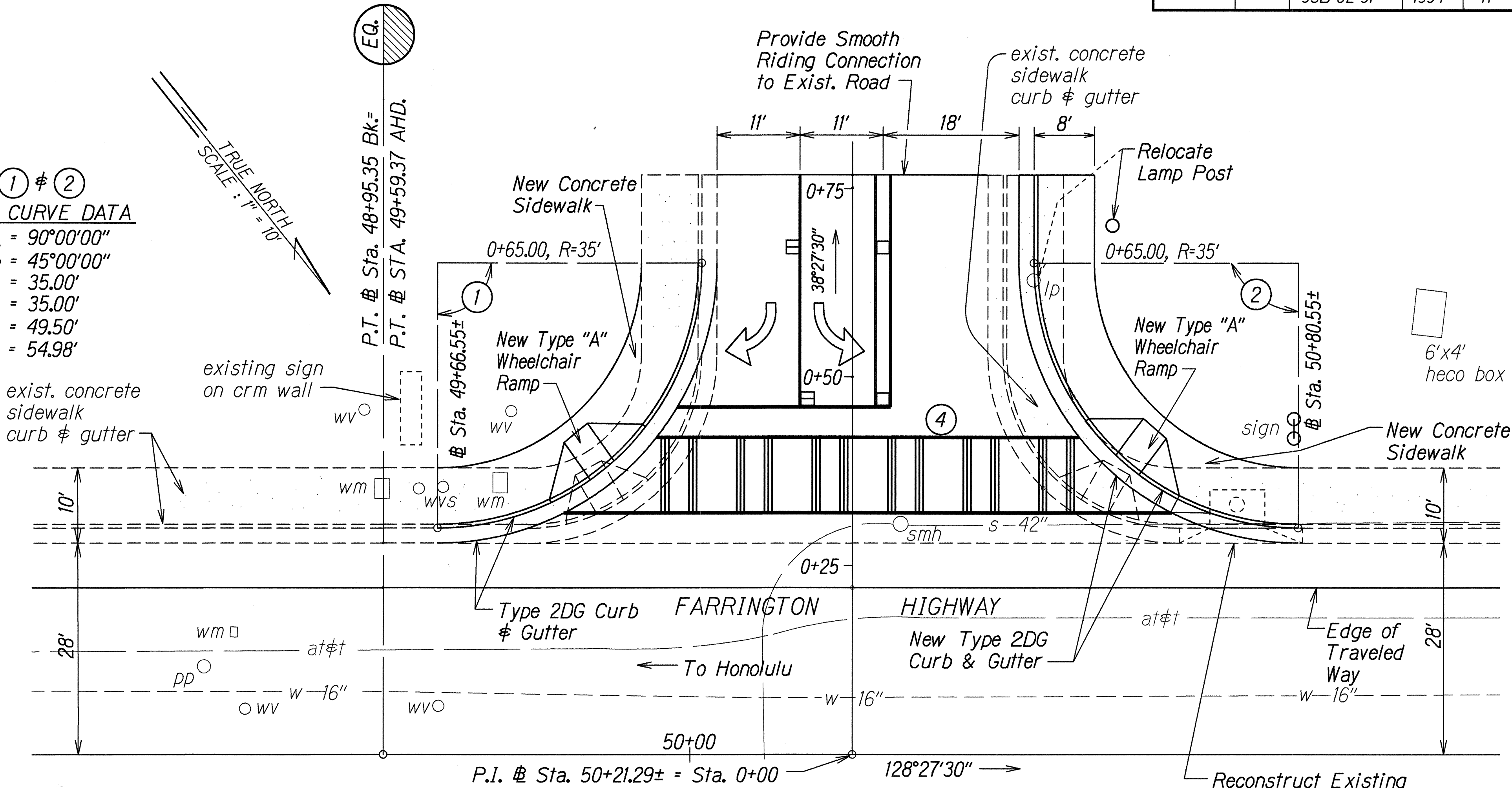
SHEET No. 1 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	93B-02-91	1994	17	122

ESTIMATED QUANTITIES

A.C. Mix No. IV	= 10.0 Tons
Asphalt Conc. Base Course	= 30.8 Tons
Aggregate Subbase	= 9.7 C.Y.
Prime Coat	= 20.3 Gal.
Type "A" Wheelchair Ramp	= 2 Ea.
Plain Concrete Sidewalk	= 198.2 Sq. Yd.
Type 2DG Curb & Gutter	= 122.0 L.F.
Roadway Exc.	= 29.0 C.Y.
4-Inch Pavement Striping	= 62.0 L.F.
8-Inch Pavement Striping	= 31.0 L.F.
12-Inch Pavement Striping	= 30.0 L.F.
Crosswalk Marking	= 4 Lanes
Pavement Arrows	= 2 Ea.
Type C Pavement Markers	= 2 Ea.
Type D Pavement Markers	= 2 Ea.

① & ②
E.P. CURVE DATA
Δ = 90°00'00"
½ = 45°00'00"
R = 35.00'
T = 35.00'
C = 49.50'
L = 54.98'



ACCESS ROAD TO WAIANAE BOAT HARBOR
Scale: 1"=10'

4/04/96 Revised Intersection at Waianae Boat Harbor

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
INTERSECTION DET. PLANS
WAIANAE BOAT HARBOR ACCESS ROAD
FARRINGTON HIGHWAY WIDENING
Ala Hema Street towards Jade Street
Project No. 93B-02-91

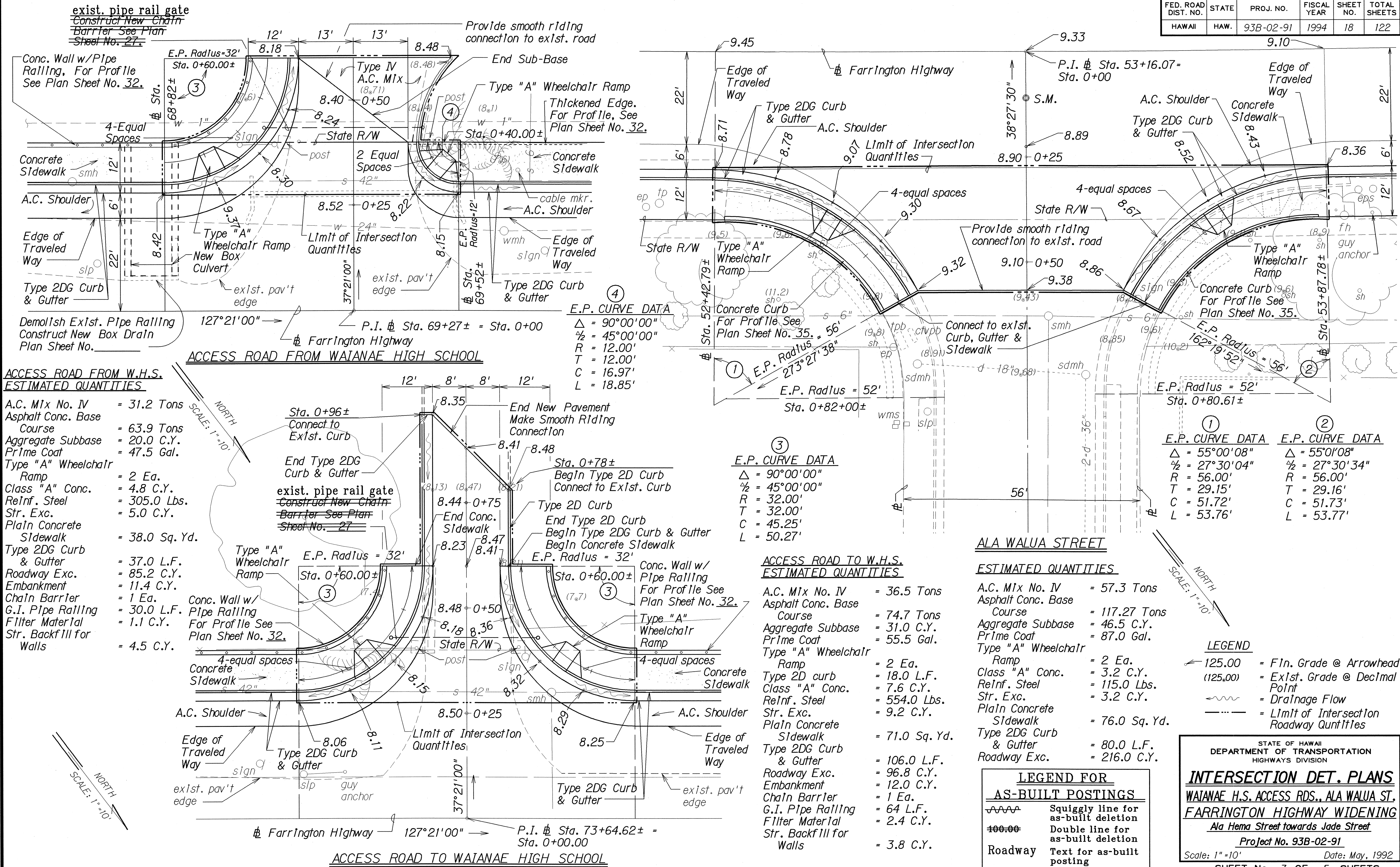
Scale: 1"=10' Date: May, 1992

SHEET No. 2 OF 5 SHEETS

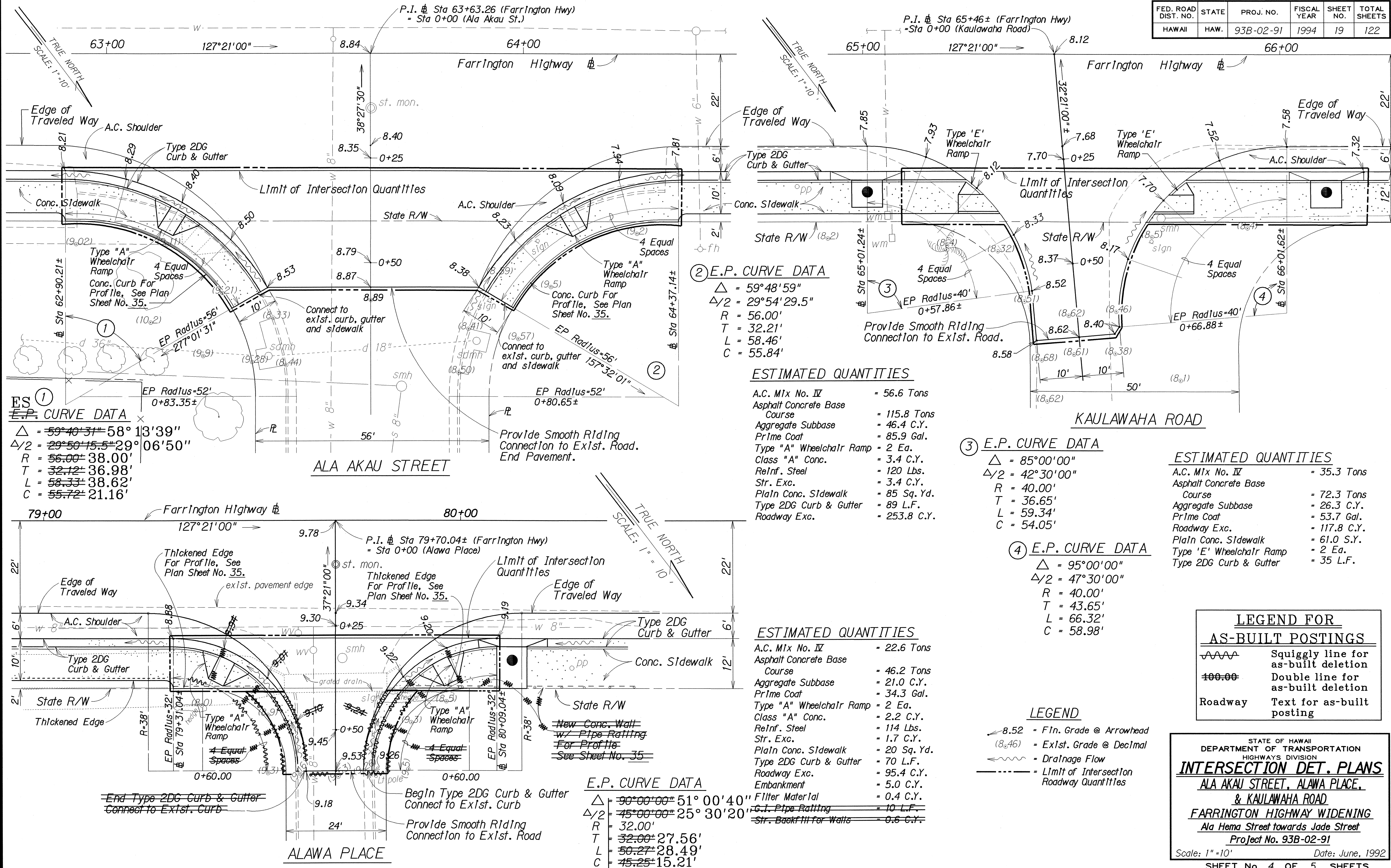
C.O. 17

SURVEY PLOTTED BY	DATE
DRAWN BY G. Alibudico	7-8-94
CHECKED BY B. Hironaka	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	93B-02-91	1994	18	122



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	93B-02-91	1994	19	122



② E.P. CURVE DATA
 $\Delta = 59^\circ 48' 59''$
 $\Delta/2 = 29^\circ 54' 29.5''$
 $R = 56.00'$
 $T = 32.21'$
 $L = 58.46'$
 $C = 55.84'$

ESTIMATED QUANTITIES

A.C. Mix No. IV = 56.6 Tons
Asphalt Concrete Base Course = 115.8 Tons
Aggregate Subbase = 46.4 C.Y.
Prime Coat = 85.9 Gal.
Type "A" Wheelchair Ramp = 2 Ea.
Class "A" Conc. = 3.4 C.Y.
ReInf. Steel = 120 Lbs.
Str. Exc. = 3.4 C.Y.
Plain Conc. Sidewalk = 85 Sq. Yd.
Type 2DG Curb & Gutter = 89 L.F.
Roadway Exc. = 253.8 C.Y.

③ E.P. CURVE DATA
 $\Delta = 85^\circ 00' 00''$
 $\Delta/2 = 42^\circ 30' 00''$
 $R = 40.00'$
 $T = 36.65'$
 $L = 59.34'$
 $C = 54.05'$

ESTIMATED QUANTITIES

A.C. Mix No. IV = 35.3 Tons
Asphalt Concrete Base Course = 72.3 Tons
Aggregate Subbase = 26.3 C.Y.
Prime Coat = 53.7 Gal.
Roadway Exc. = 117.8 C.Y.
Plain Conc. Sidewalk = 61.0 S.Y.
Type 'E' Wheelchair Ramp = 2 Ea.
Type 2DG Curb & Gutter = 35 L.F.

④ E.P. CURVE DATA
 $\Delta = 95^\circ 00' 00''$
 $\Delta/2 = 47^\circ 30' 00''$
 $R = 40.00'$
 $T = 43.65'$
 $L = 66.32'$
 $C = 58.98'$

ESTIMATED QUANTITIES

A.C. Mix No. IV = 22.6 Tons
Asphalt Concrete Base Course = 46.2 Tons
Aggregate Subbase = 21.0 C.Y.
Prime Coat = 34.3 Gal.
Type "A" Wheelchair Ramp = 2 Ea.
Class "A" Conc. = 2.2 C.Y.
ReInf. Steel = 114 Lbs.
Str. Exc. = 1.7 C.Y.
Plain Conc. Sidewalk = 20 Sq. Yd.
Type 2DG Curb & Gutter = 70 L.F.
Roadway Exc. = 95.4 C.Y.
Embankment = 5.0 C.Y.
Filter Material = 0.4 C.Y.
C.I. Pipe Rattling = 10 L.F.
Str. Backfill for Walls = 0.6 C.Y.

LEGEND

8.52 = Fin. Grade @ Arrowhead
(8.46) = Exist. Grade @ Decimal
--- = Drainage Flow
--- = Limit of Intersection Roadway Quantities

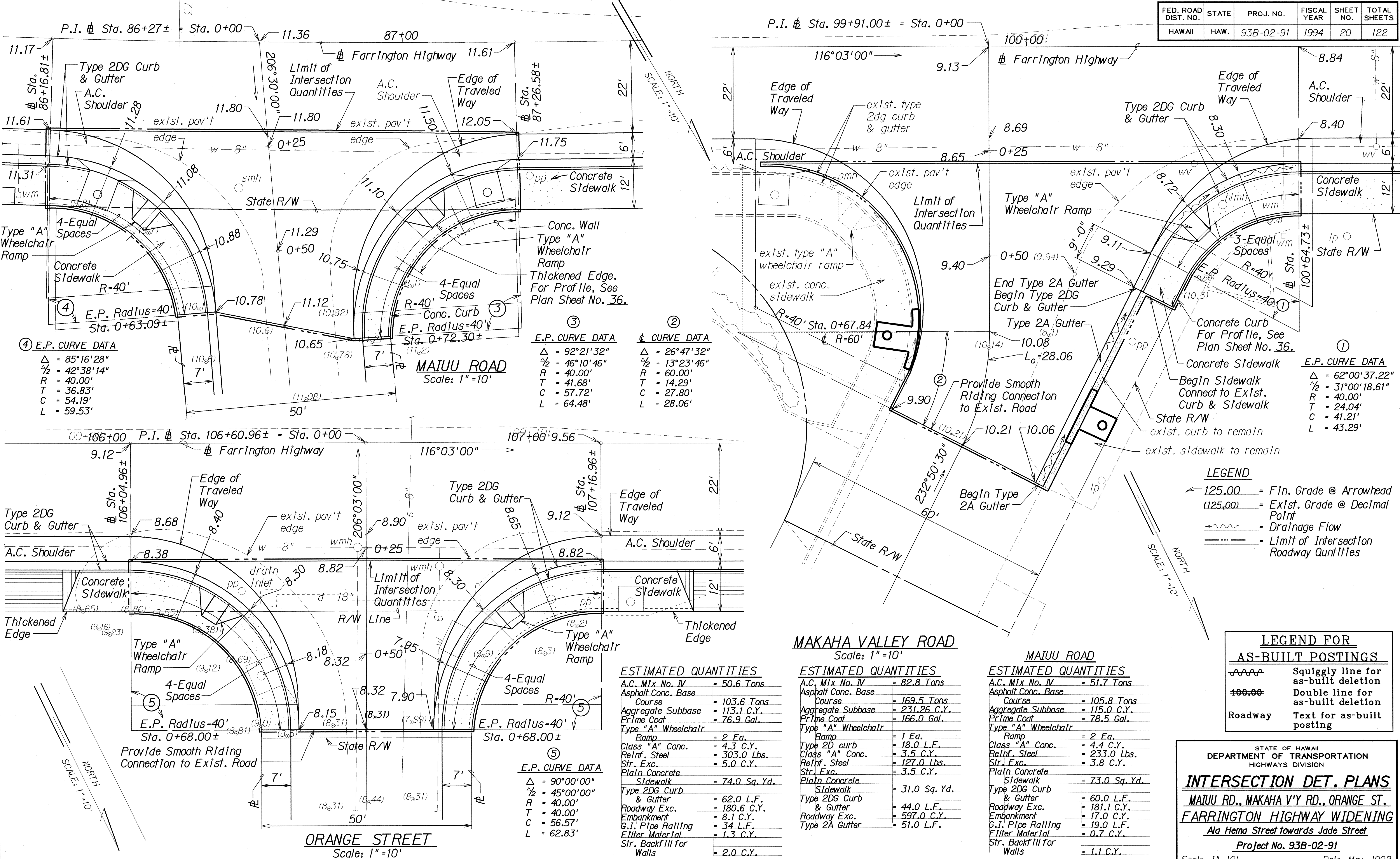
LEGEND FOR AS-BUILT POSTINGS

~~~~~ Squiggly line for as-built deletion  
== Double line for as-built deletion  
Roadway Text for as-built posting

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**INTERSECTION DET. PLANS**  
**ALA AKAU STREET, ALAWA PLACE,**  
**& KAULAWAHA ROAD**  
**FARRINGTON HIGHWAY WIDENING**  
Ala Hema Street towards Jade Street  
Project No. 93B-02-91  
Scale: 1"=10' Date: June, 1992  
SHEET No. 4 OF 5 SHEETS

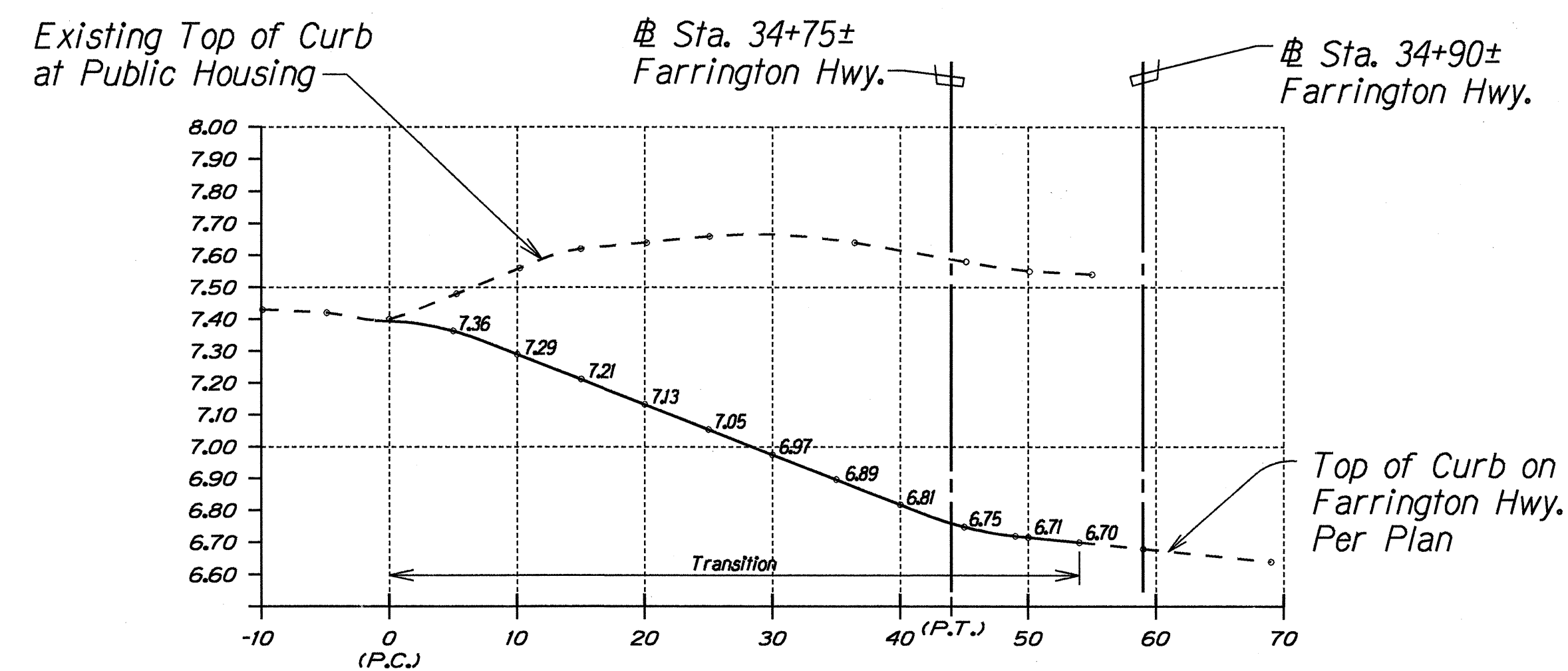
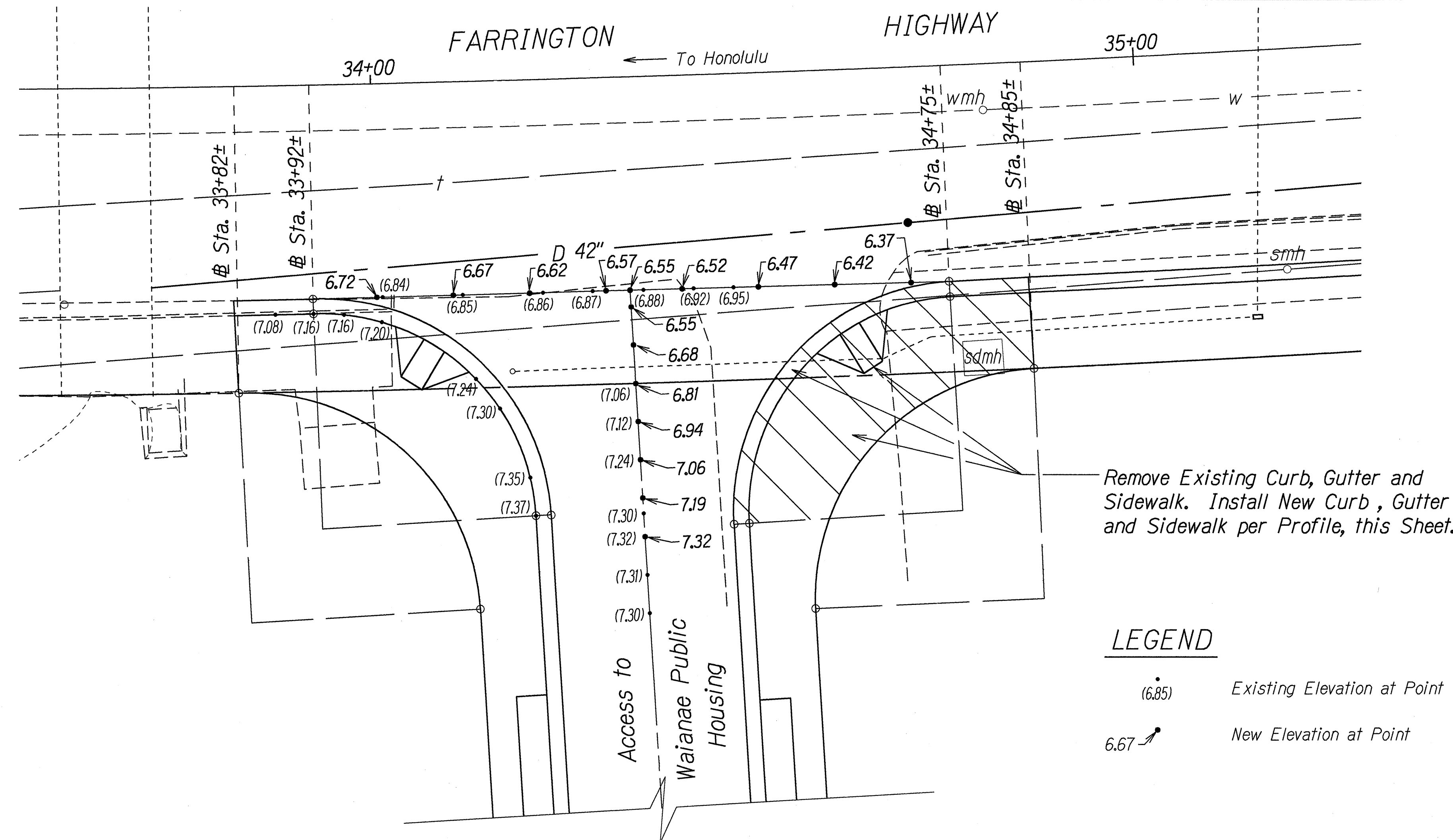
"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 93B-02-91 | 1994        | 20        | 122          |



|                   |         |
|-------------------|---------|
| DATE              | 14-8-93 |
| SURVEY PLOTTED BY | ...     |
| DRAWN BY          | ...     |
| DESIGNED BY       | ...     |
| CHECKED BY        | ...     |
| NOTED BY          | ...     |
| ORIGINAL PLAN     | ...     |

| FED. ROAD DIST. NO. | STATE | PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 92B-02-91 | 1997        | C.O.20S-1 | 122          |



# **GRADE ADJUSTMENT AT WAIANAE PUBLIC HOUSING**

|               |                   |      |
|---------------|-------------------|------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE |
|               | 14-25-91          |      |
| NOTE BOOK     | DRAWN BY          |      |
| 06660906      | G. Abubakar       |      |
| QUANTITIES BY | CHECKED BY        |      |
| N. J. Adams   |                   |      |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**GRADE ADJUSTMENT AT  
WAIANAE PUBLIC HOUSING**  
FARRINGTON HIGHWAY WIDENING  
Ala Hema Street towards Jade Street  
Project No. 93B-02-91  
Scale: As Shown Date: April, 1997

SHEET No. 1 OF 1 SHEETS