

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RS-0130(20)	1989	3	68

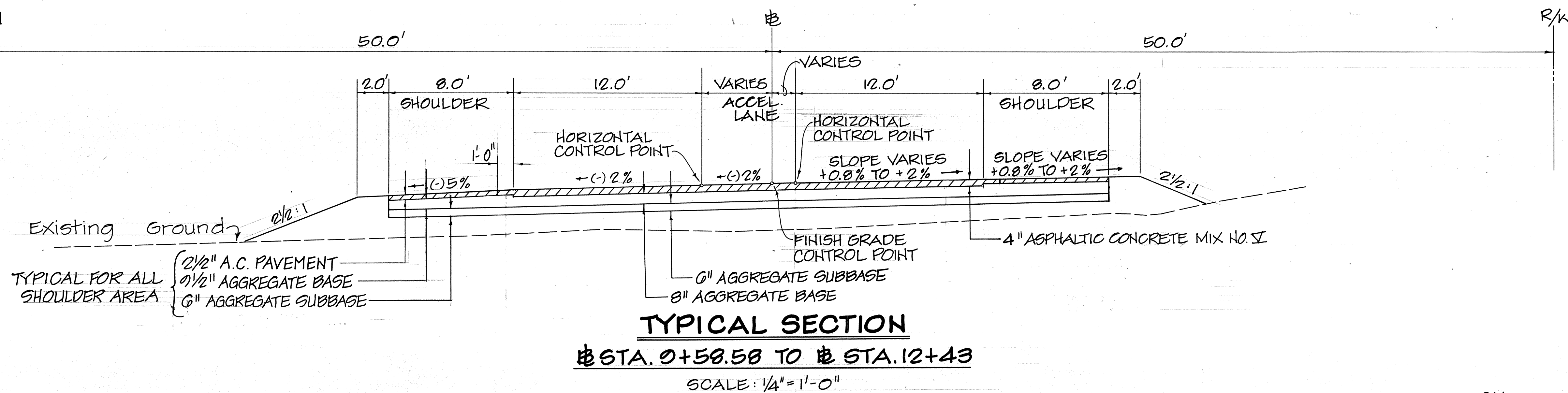
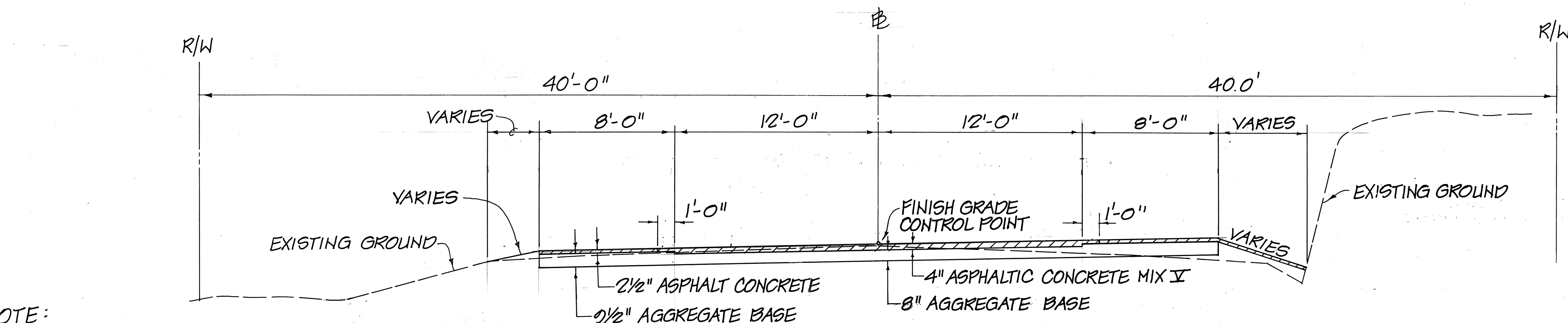
CONSTRUCTION NOTES:

- ALL VOLCANIC ASH WITHIN THE ROADWAY SECTION AND WITHIN 3- FEET OF FINISHED PAVEMENT GRADE, SHALL BE REMOVED FOR THE ENTIRE PROJECT.
- THE CONTRACTOR WILL BE REQUIRED TO GRASS ALL SLOPES AND EXPOSED AREAS AS SOON AS FINAL GRADES HAVE BEEN ESTABLISHED. GRASSING OF EXPOSED AREAS SHALL NOT BE DELAYED UNTIL ALL GRADING WORK HAS BEEN COMPLETED. GRADING TO FINAL GRADE SHALL BE CONTINUOUS, AND ANY AREAS WITHIN WHICH WORK HAS BEEN INTERRUPTED OR DELAYED SHALL BE GRASSED.
- THE CONTRACTOR WILL BE REQUIRED TO GRASS ALL AREAS WHERE THE ENGINEER ALLOWS THE USE OF VOLCANIC ASH OUTSIDE OF THE ROADWAY SECTIONS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO EXCAVATION OF VOLCANIC ASH.

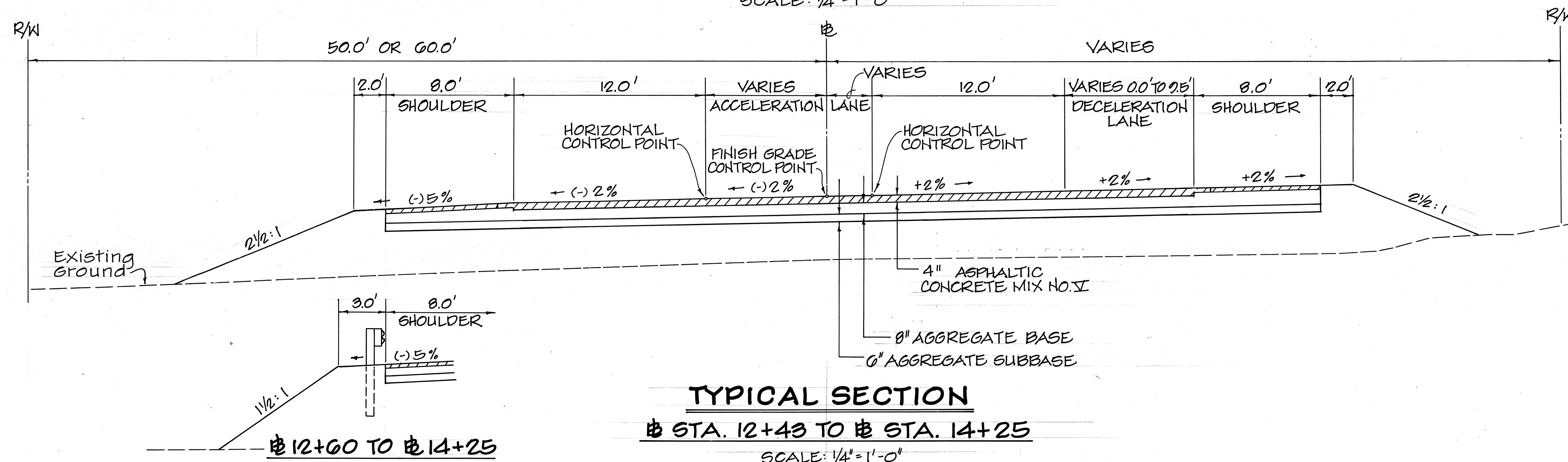
NOTE:

- STATION 7+00 TO P.C. STA. 10+00
EXISTING KEAAU-PAHOA ROAD
- SCARIFY REMOVE & GRADE EXISTING ASPHALT CONCRETE PAVEMENT, BASE COURSE AND SUBBASE COURSE TO NEW BASE COURSE GRADE.
 - FILL SLOPES BEYOND NEW SHOULDER WIDTH AND FINISHED GRADE SHALL BE ADJUSTED TO MEET EXISTING FILL SLOPES.
 - DRAINAGE GUTTERS BEYOND NEW SHOULDER WIDTH & FINISHED GRADE SHALL BE ADJUSTED TO PROVIDE FOR SAFETY AND DRAINAGE.

TYPICAL SECTION
STA. 7+00 TO STA. 10+00
 SCALE: 1/4"=1'-0"

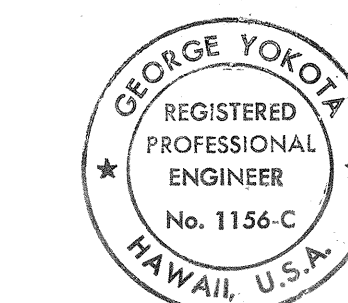


TYPICAL SECTION
STA. 0+58.58 TO STA. 12+43
 SCALE: 1/4"=1'-0"



TYPICAL SECTION
STA. 12+43 TO STA. 14+25
 SCALE: 1/4"=1'-0"

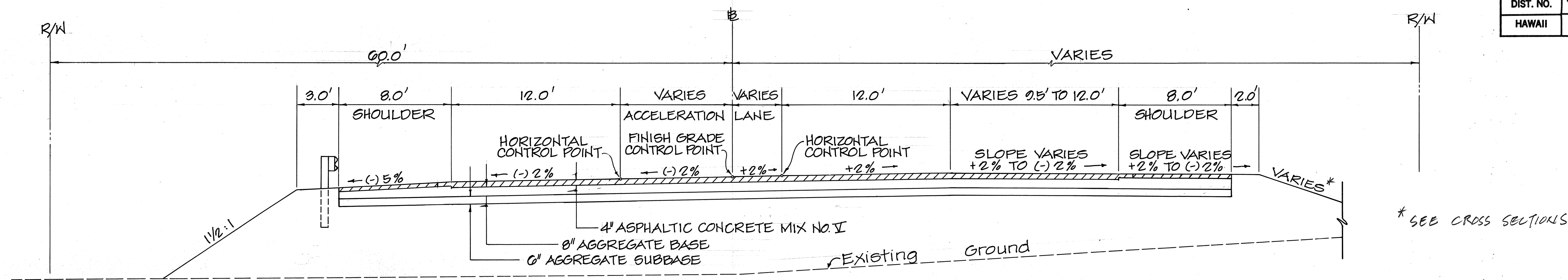
DATE	
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	



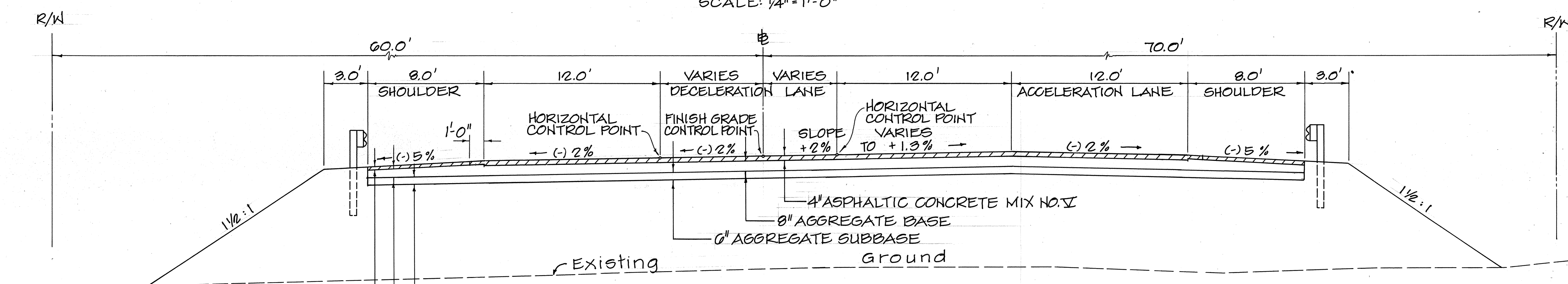
THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
George Yokota
 PARK ENGINEERING, INC.

5/23/89	Revised Construction Notes
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
TYPICAL ROAD SECTIONS	
KEAAU PAHOA ROAD	
PROJECT NO. RS-0130(20)	
SHEET NO. 1 OF 6 SHEETS	

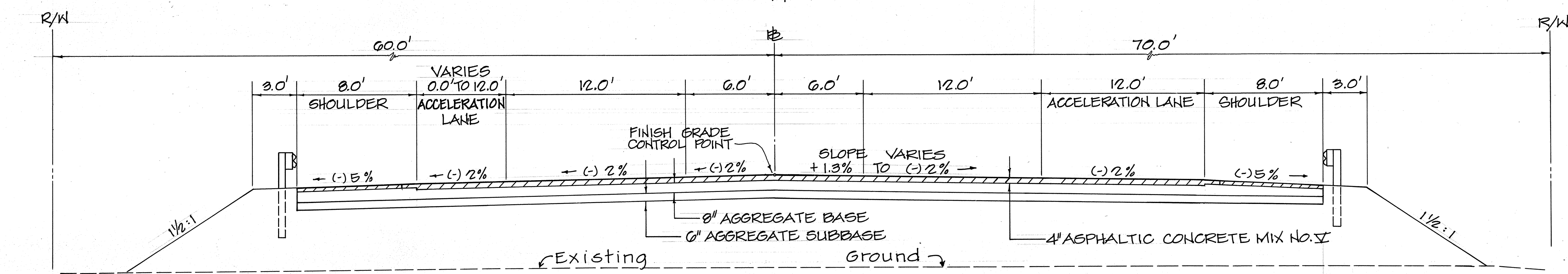
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RS-0130(20)	1980	4	68



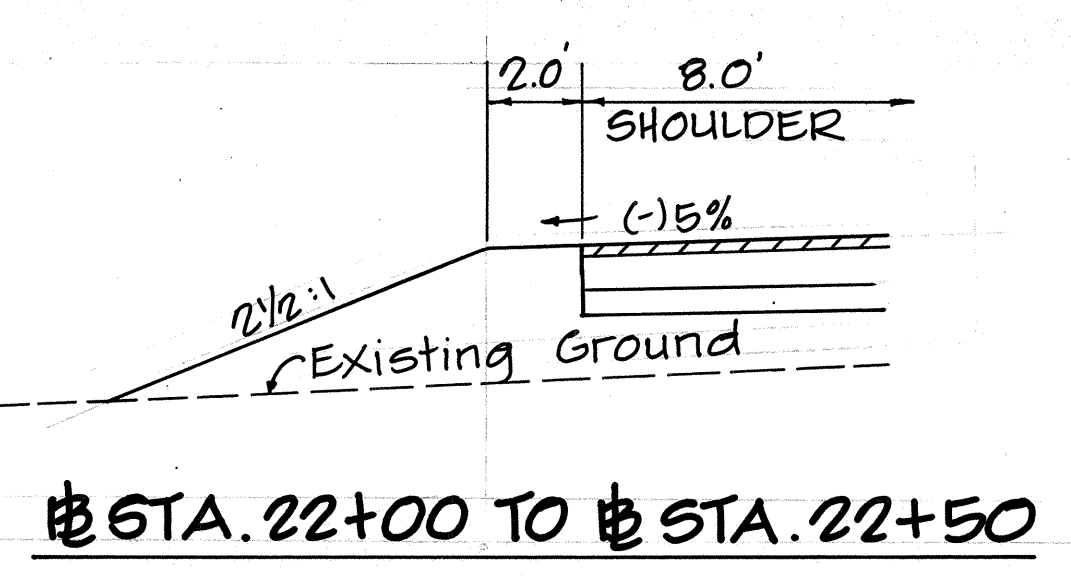
TYPICAL SECTION
 STA. 14+25 TO STA. 16+42
 SCALE: 1/4" = 1'-0"



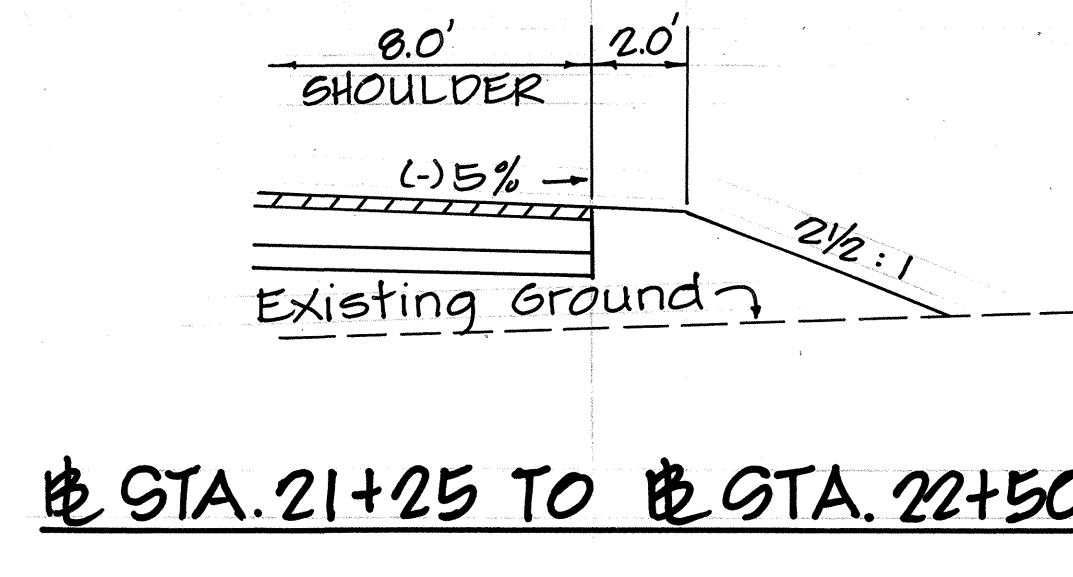
TYPICAL SECTION
 STA. 18+13 TO STA. 19+53.25
 SCALE: 1/4" = 1'-0"



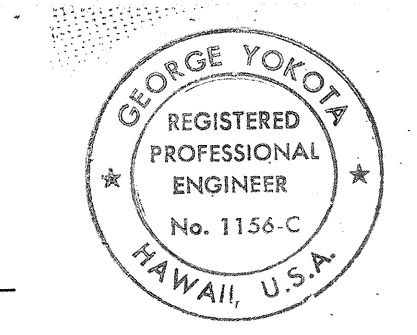
TYPICAL SECTION
 STA. 19+53.25 TO STA. 22+50
 SCALE: 1/4" = 1'-0"



TYPICAL SECTION
 STA. 22+00 TO STA. 22+50
 SCALE: 1/4" = 1'-0"



TYPICAL SECTION
 STA. 21+25 TO STA. 22+50
 SCALE: 1/4" = 1'-0"



THIS WORK WAS PREPARED BY
 ME OR UNDER MY SUPERVISION.
 George Yokota
 PARK ENGINEERING, INC.

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

TYPICAL ROAD SECTIONS

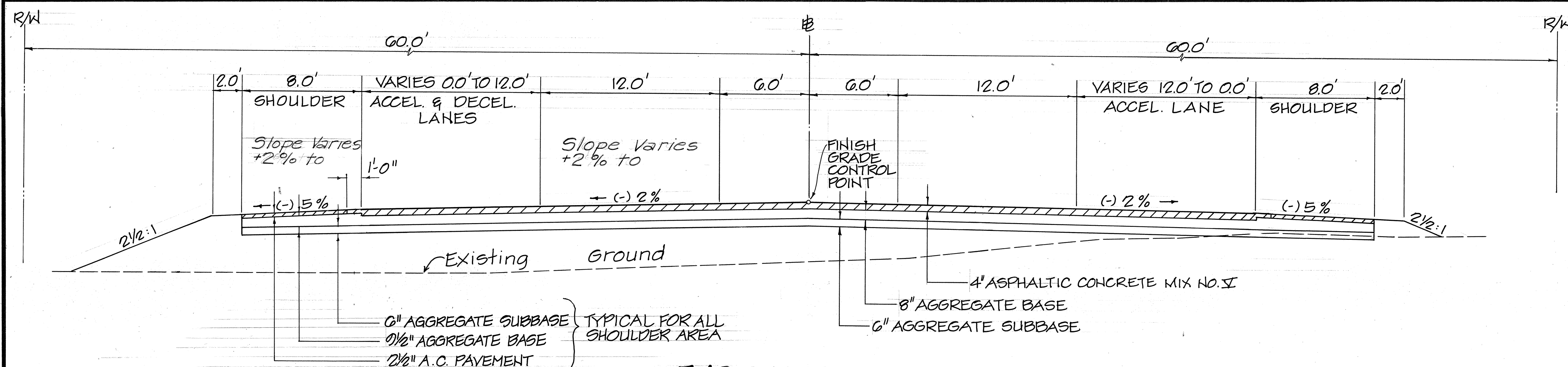
KEAAU PAHOA ROAD

PROJECT NO. RS-0130(20)

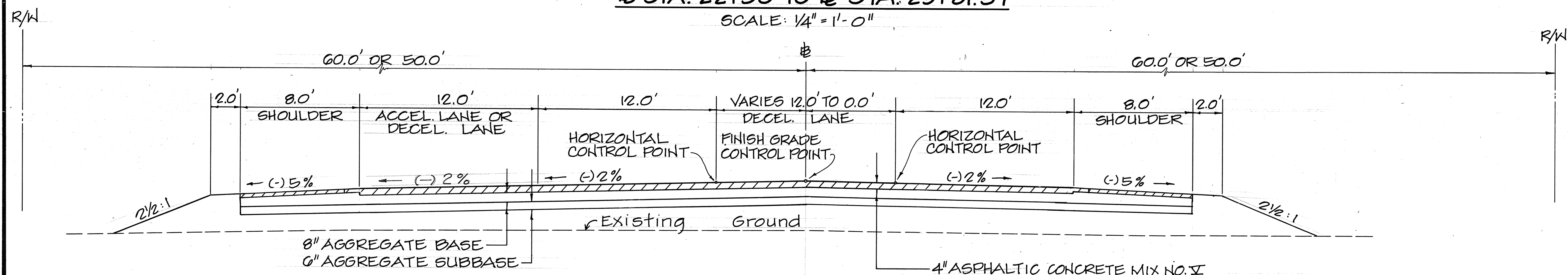
SHEET NO. 2 OF 6 SHEETS

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

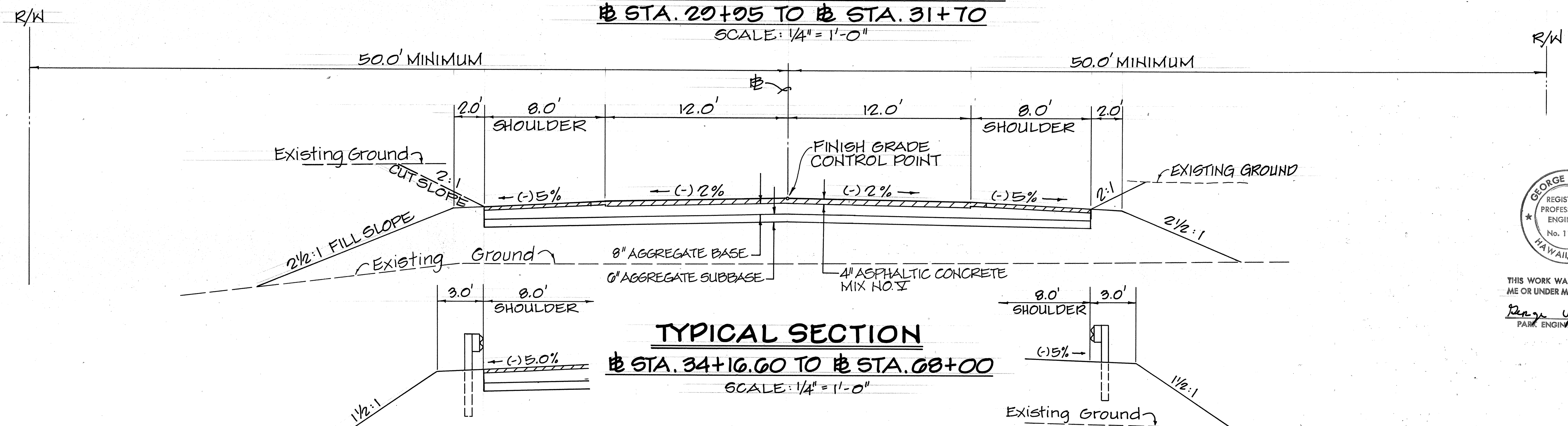
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RG-0130(20)	1980	5	68



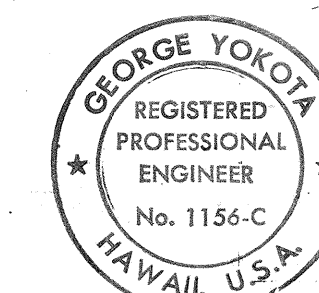
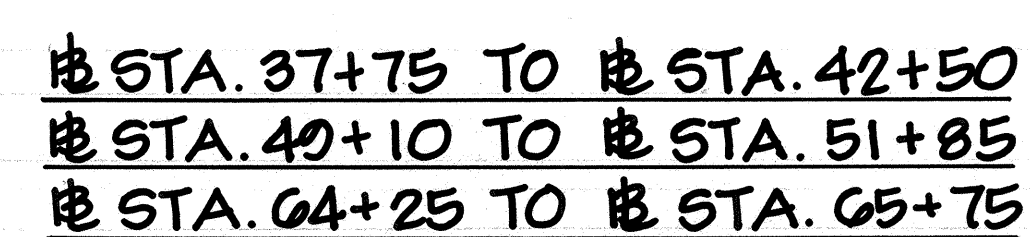
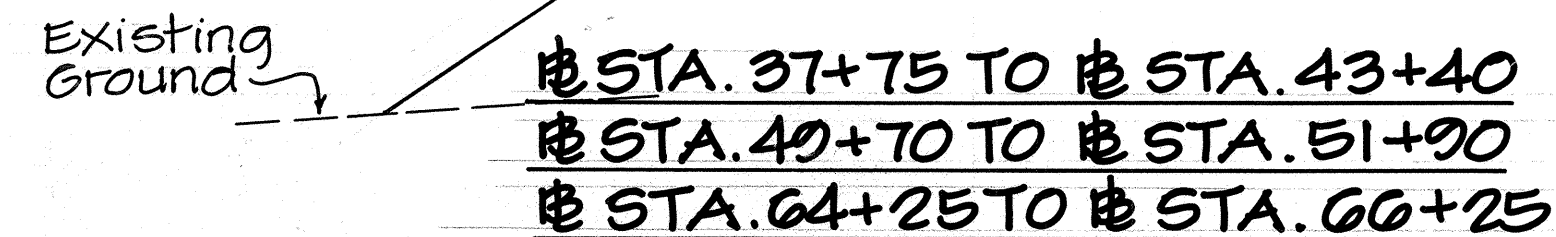
TYPICAL SECTION
电 STA. 22+50 TO 电 STA. 25+01.57
SCALE: 1/4" = 1' - 0"



TYPICAL SECTION
 电 STA. 25+81.57 TO 电 STA. 27+15
 电 STA. 29+05 TO 电 STA. 31+70
 SCALE: 1/4" = 1'-0"



TYPICAL SECTION
STATION 34+60 TO STATION 68+00
 SCALE: 1/4" = 1'-0"



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION

Genzo Yokota
PARC ENGINEERING, INC.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL ROAD SECTIONS

KEAAU PAHOA ROAD

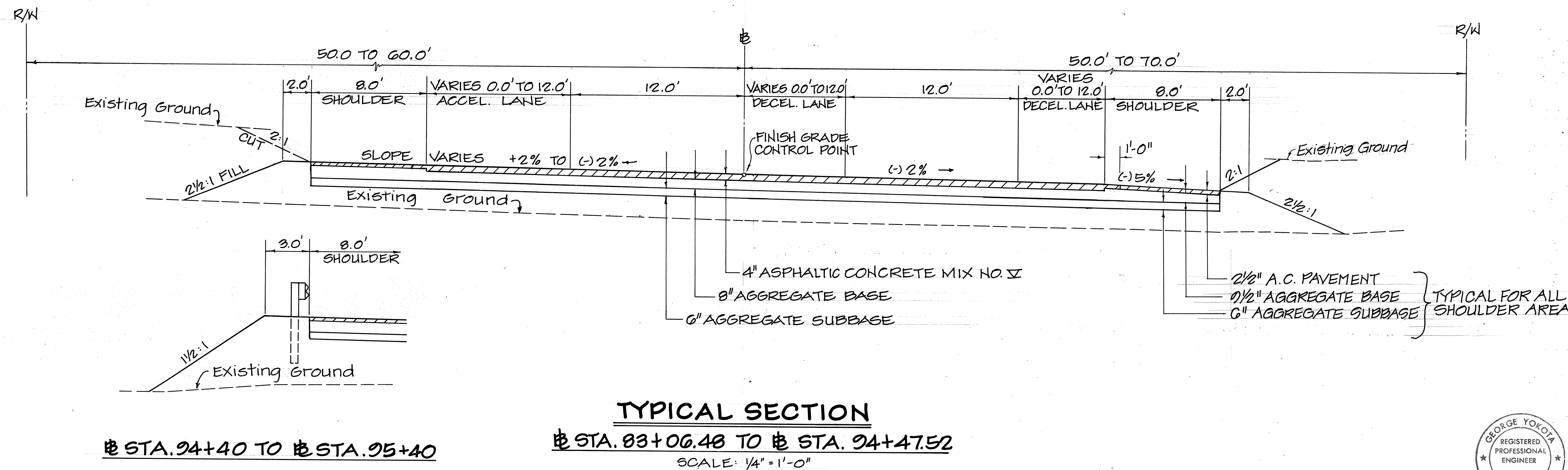
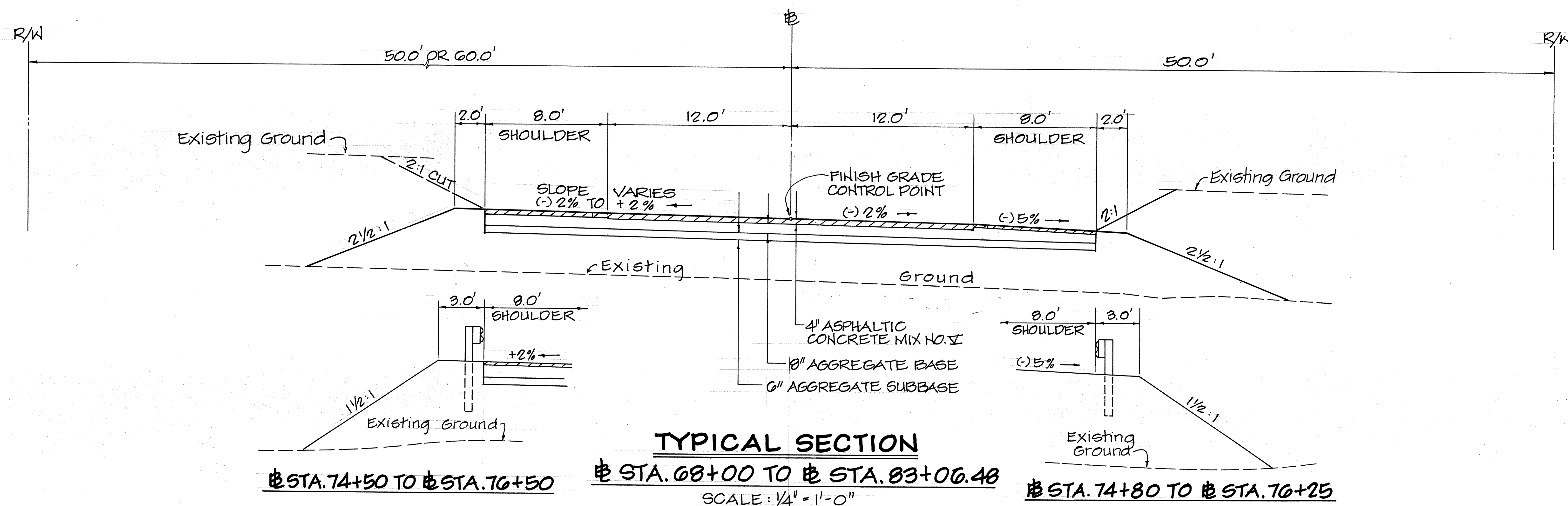
PROJECT NO. RS-0130(20)

SHEET No. 3 OF 6 SHEETS

2

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RS-0130(20)	1980	6	68



DATE	*****
DESIGNED BY	*****
CHECKED BY	*****
NOTED BY	*****
ORIGINAL PLAN	*****
NO.	*****

GEORGE YOKOTA
 REGISTERED PROFESSIONAL ENGINEER
 No. 1156-C
 HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
 George Yokota
 PARK ENGINEERING, INC.

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

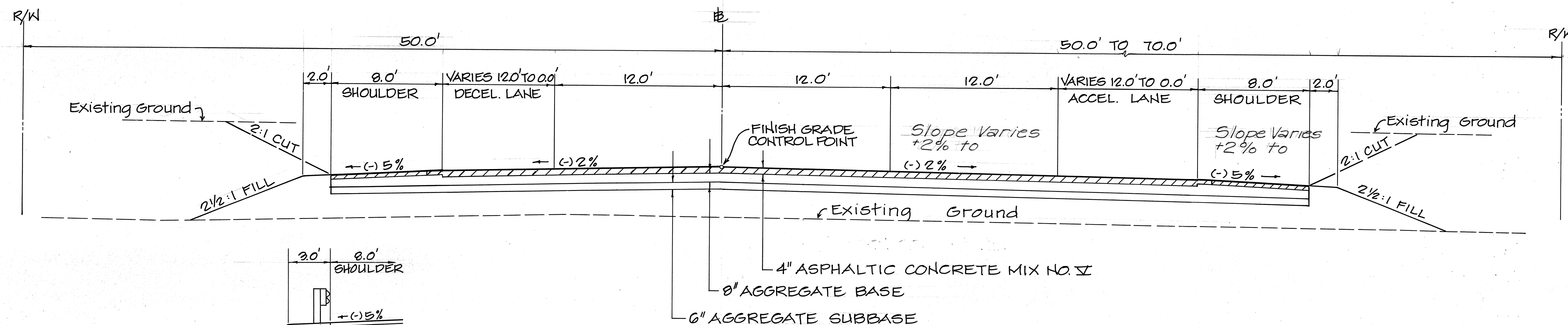
TYPICAL ROAD SECTIONS

KEAAU PAHOA ROAD

PROJECT NO. RS-0130(20)

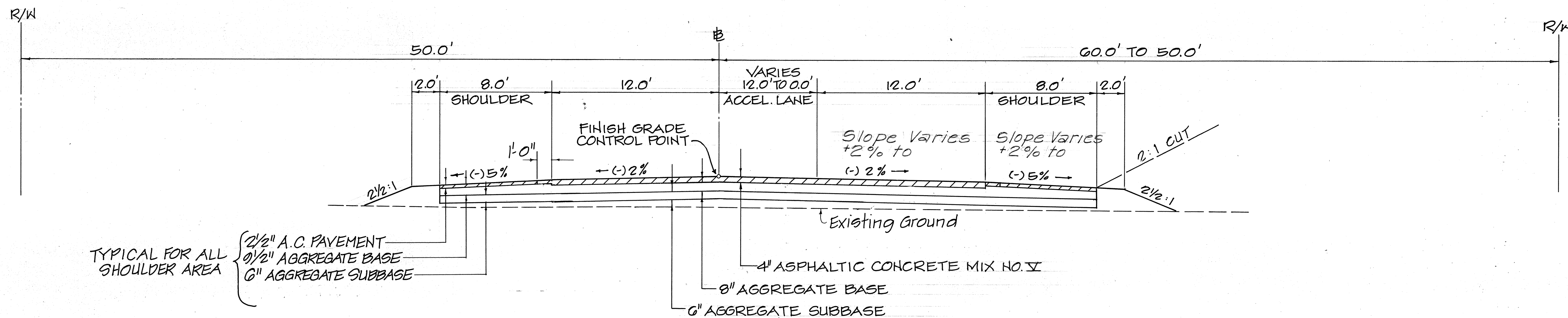
SHEET NO. 4 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RS-0130(20)	1989	7	68



STA. 101+40 TO STA. 101+70

TYPICAL SECTION
 STA. 96+48.83 TO STA. 103+30
 SCALE: 1/4" = 1'-0"



TYPICAL FOR ALL SHOULDER AREA

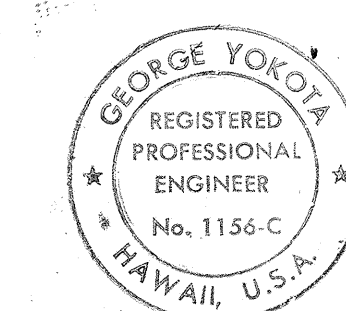
2 1/2" A.C. PAVEMENT

8 1/2" AGGREGATE BASE

6" AGGREGATE SUBBASE

TYPICAL SECTION
 STA. 103+30 TO STA. 108+58.51
 SCALE: 1/4" = 1'-0"

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

George Yokota

PARK ENGINEERING, INC.

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

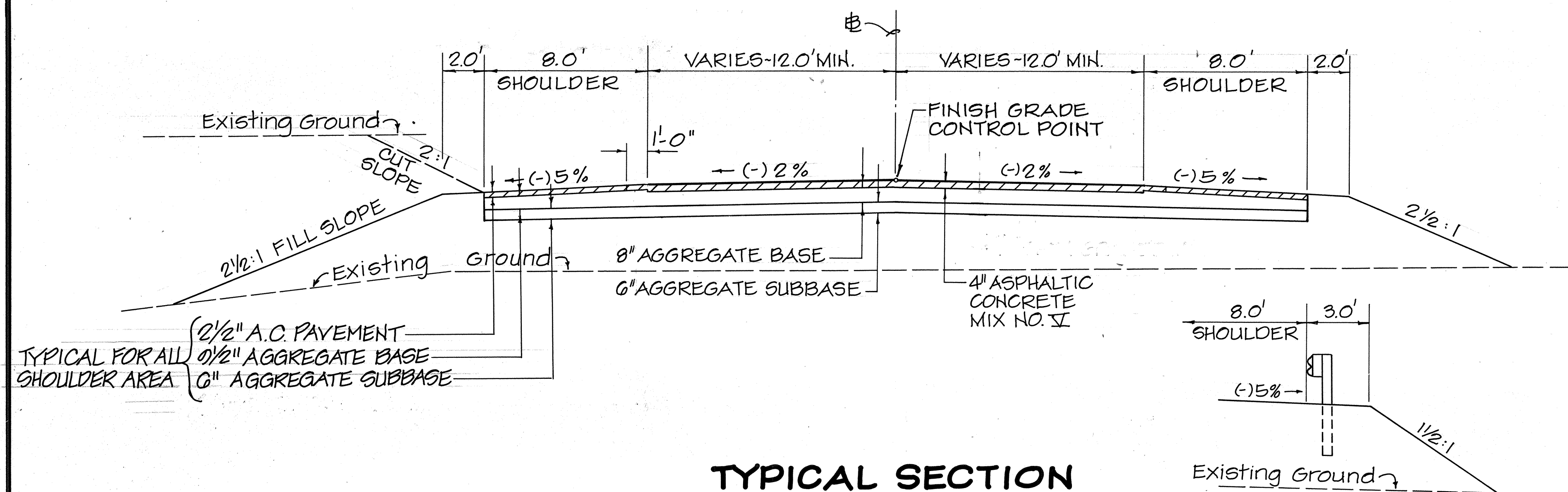
TYPICAL ROAD SECTIONS

KEAAU PAHOA ROAD

PROJECT NO. RS-0130(20)

SHEET NO. 5 OF 6 SHEETS

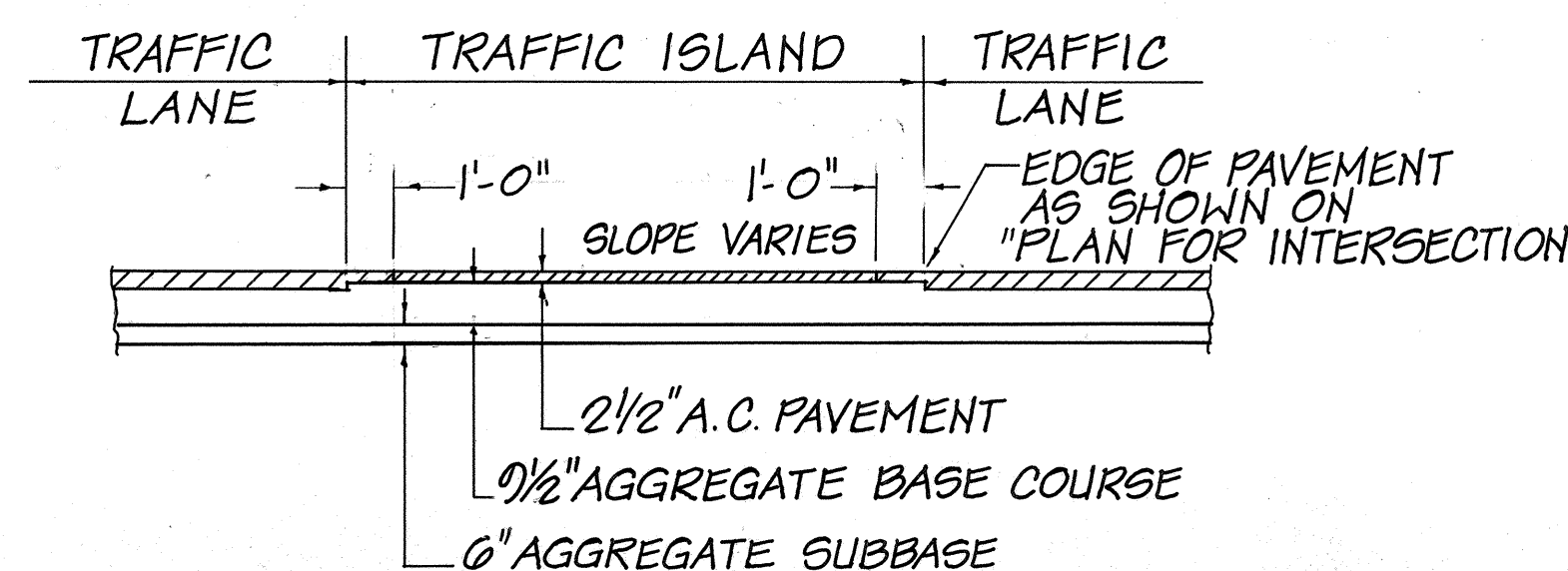
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RS-0130(20)	1989	8	68



TYPICAL SECTION
ROAD "A", KAHAKAI BLVD. & PAHOA-KAPOHO ROAD
 SCALE: 1/4" = 1'-0"

CONSTRUCTION NOTES:

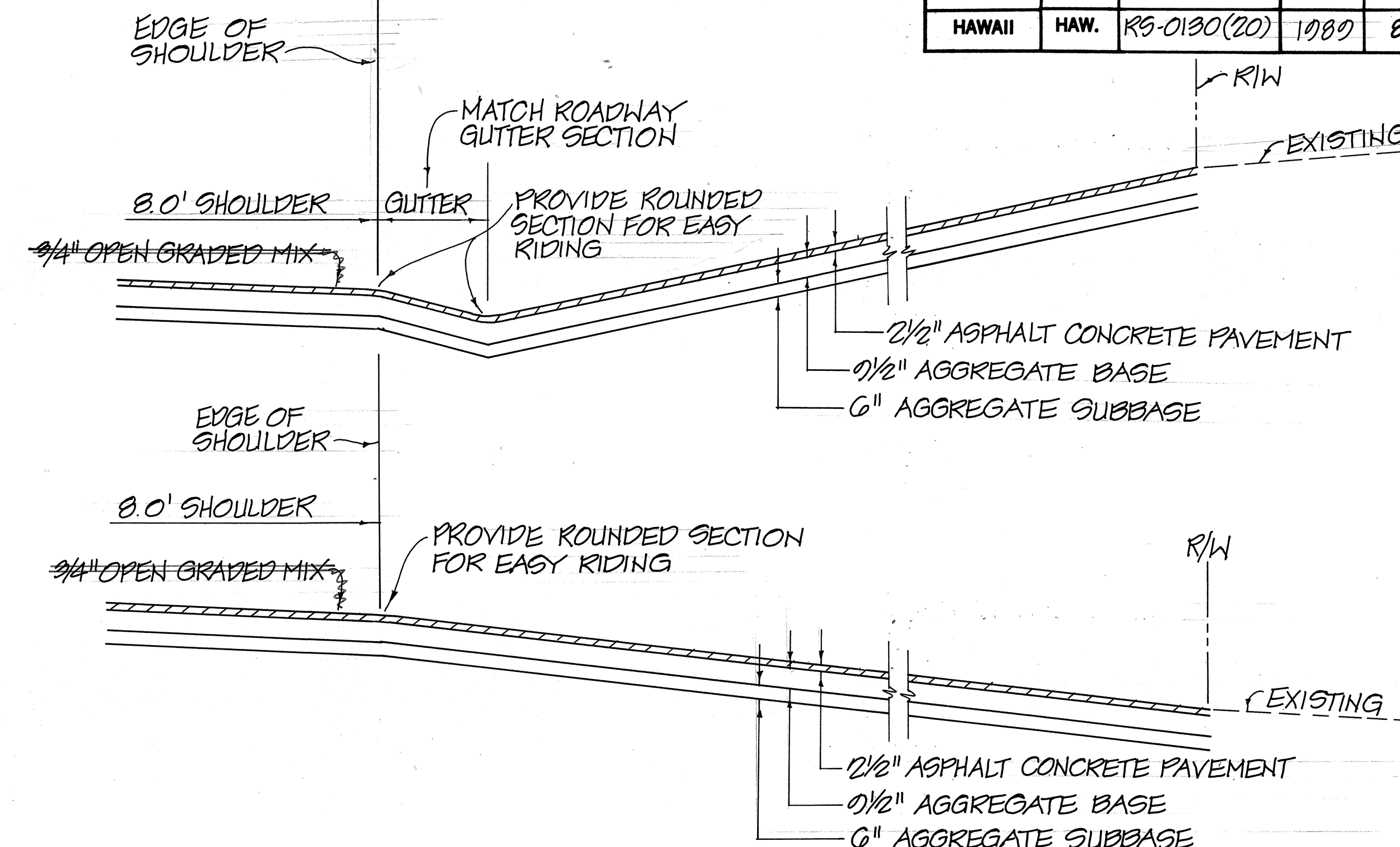
- THE CONTRACTOR WILL BE REQUIRED TO GRASS ALL SLOPES AND EXPOSED AREAS AS SOON AS FINAL GRADES HAVE BEEN ESTABLISHED. GRASSING OF EXPOSED AREAS SHALL NOT BE DELAYED UNTIL ALL GRADING WORK HAS BEEN COMPLETED. GRADING TO FINAL GRADE SHALL BE CONTINUOUS. IN ANY AREAS WITHIN WHICH WORK HAS BEEN INTERRUPTED OR DELAYED SHALL BE GRASSED.
- ALL VOLCANIC ASH WITHIN THE ROADWAY SECTION AND WITHIN 3-FT. OF FINISHED PAVEMENT GRADE, SHALL BE REMOVED FOR THE ENTIRE PROJECT.
- THE CONTRACTOR WILL BE REQUIRED TO GRASS ALL AREAS WHERE THE ENGINEER ALLOWS THE USE OF VOLCANIC ASH OUTSIDE OF THE ROADWAY SECTIONS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO EXCAVATION OF VOLCANIC ASH.



TYPICAL SECTION - TRAFFIC ISLAND
 NOT TO SCALE

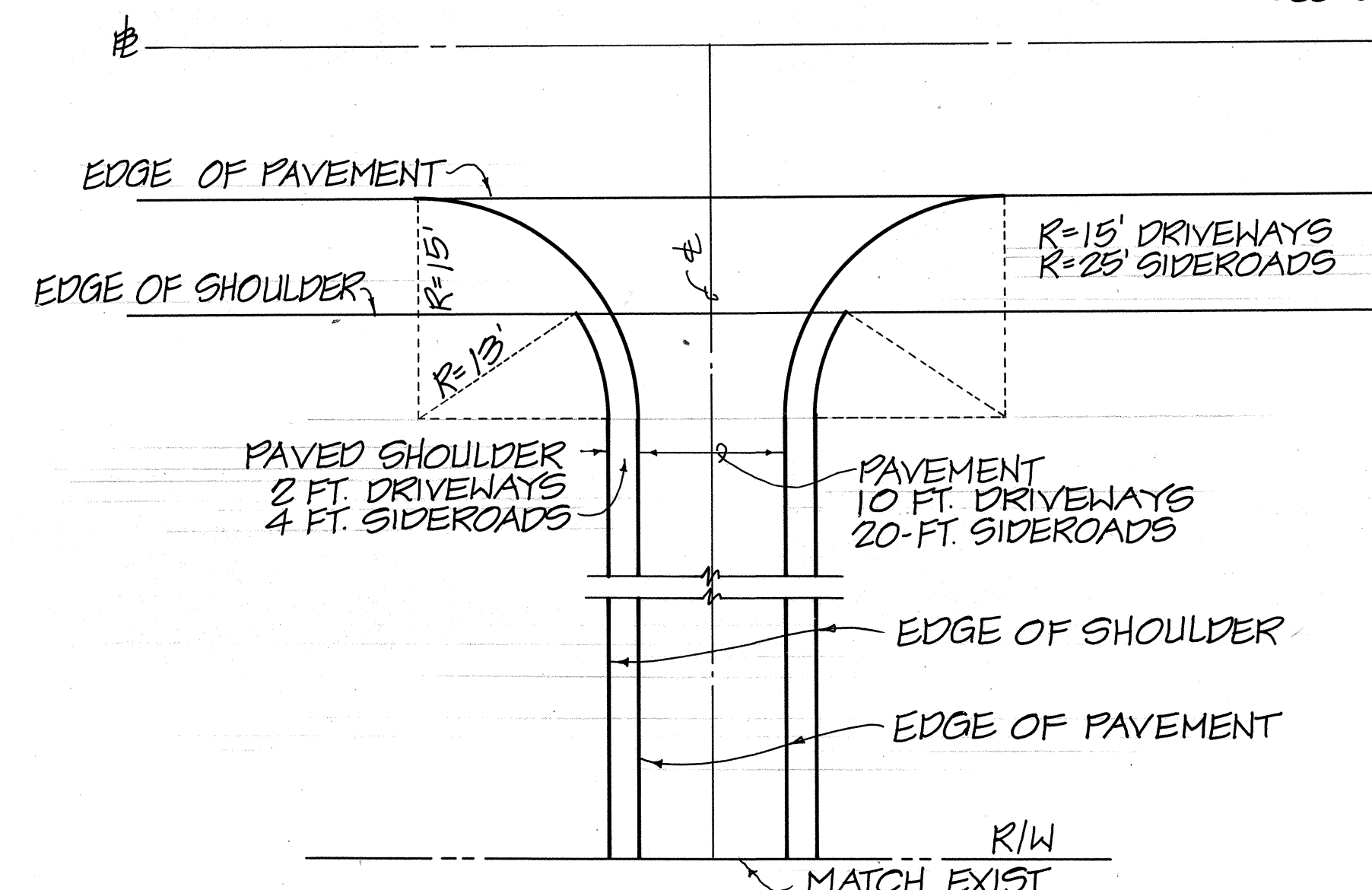
NOTE:

FOR DETAILS OF TRAFFIC ISLAND, SEE PLAN FOR INTERSECTION, FINISH PAVEMENT GRADE FOR INTERSECTION AND SIGNING, STRIPING AND PAVEMENT MARKERS PLAN

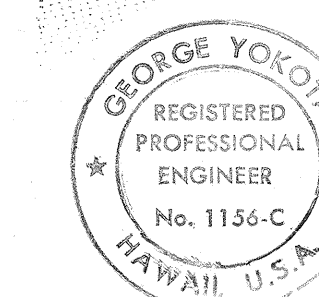


TYPICAL PROFILE SECTION
SIDEROADS & DRIVEWAY CONNECTION
 SCALE: 1/4" = 1'-0"

NOTE: SEE SHEET NO. 53 FOR PROFILES OF SIDEROADS.
 SEE SHEET NO. 85 FOR PLANS & PROFILES OF DRIVEWAYS.



PLAN
DRIVEWAYS & SIDEROADS
 NOT TO SCALE



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

George Yokota
 PARK ENGINEERING, INC.

5/23/89	Revised Construction Notes
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
TYPICAL ROAD SECTIONS	
KEAAU PAHOA ROAD	
PROJECT NO. RS-0130(20)	
SHEET NO. 8 OF 6 SHEETS	

ADD. 8