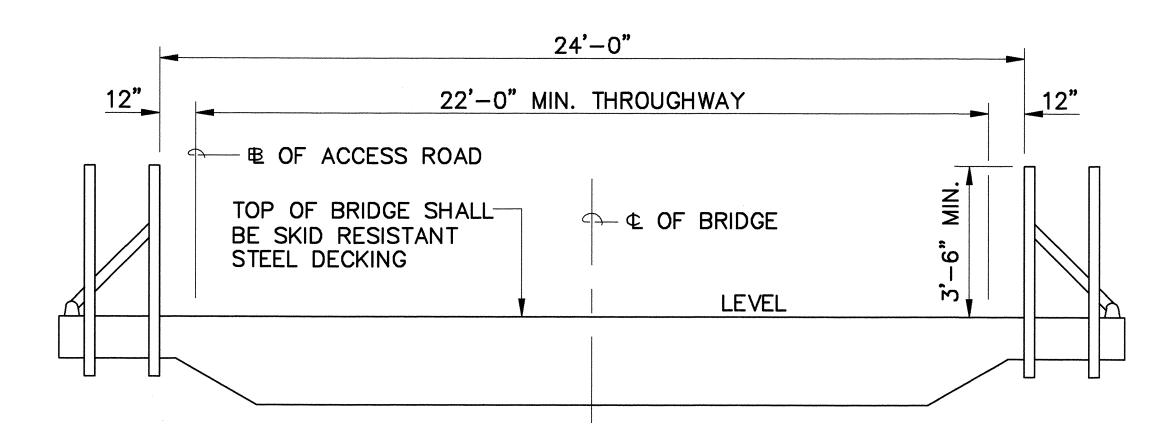


BRIDGE STRUCTURE FOOTING EXCAVATION PAY LIMIT

N.T.S.

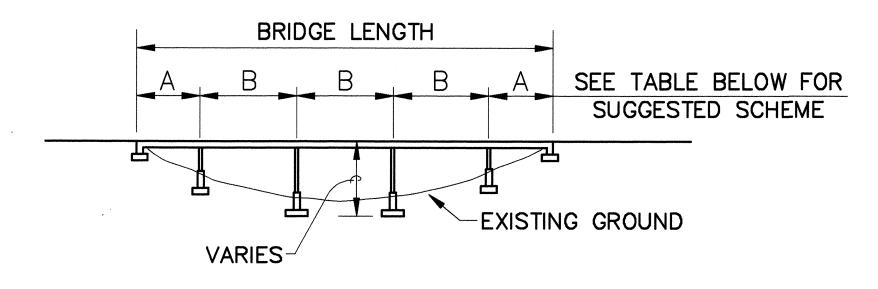


TYPICAL SECTION FOR ACCESS ROAD BRIDGE SCALE: 3/8" = 1'-0"

C.C.O. No. 15 Provide "W" Guide Rail for all Access Road Bridges. Datéd 9/15/95 (See Detail on Sheet 1395-1) **

*Project Files are Located at 727 Kakoi Street Honolulu, Hi. 96819

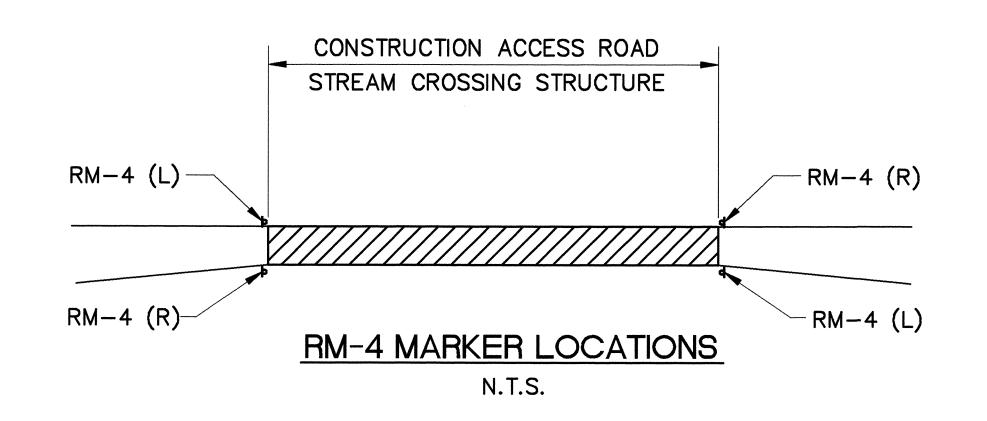
TABLE OF SUGGESTED BRIDGE SPAN SCHEMES						
ACCESS ROAD BRIDGE NO.	TOTAL BRIDGE LENGTH (FT)	WIDTH (FT)	B SPAN _X NO. OF (FT) SPANS	A SPAN X NO. OF (FT) X SPANS	ASSUMED AVERAGE PIER HT. (FT)	
1	170	22	40 X 3	25 X 2	10.5	
2	250	22	40 X 5	25 X 2	13	
3	200	22	40 X 5		15	

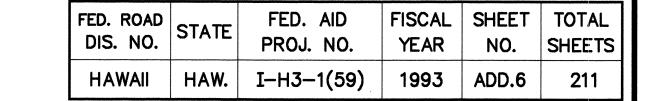


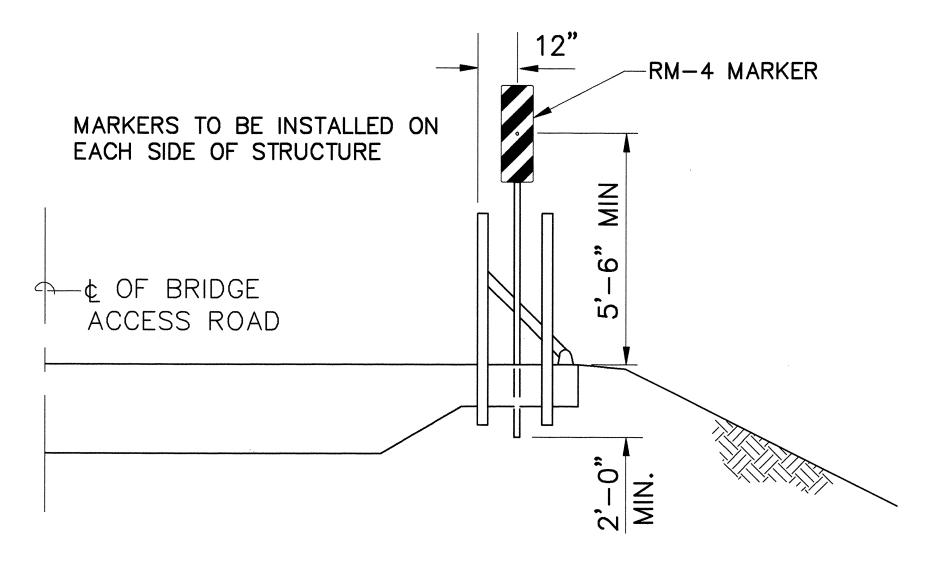
TYPICAL ACCESS ROAD BRIDGE ELEVATION N.T.S.

NOTES:

1. ESTIMATED TOTAL BRIDGE LENGTH AND QUANTITIES SHOWN IN PROPOSAL ARE BASED ON MODULE LENGTHS SHOWN IN TABLE OF SUGGESTED BRIDGE SPAN SCHEMES.

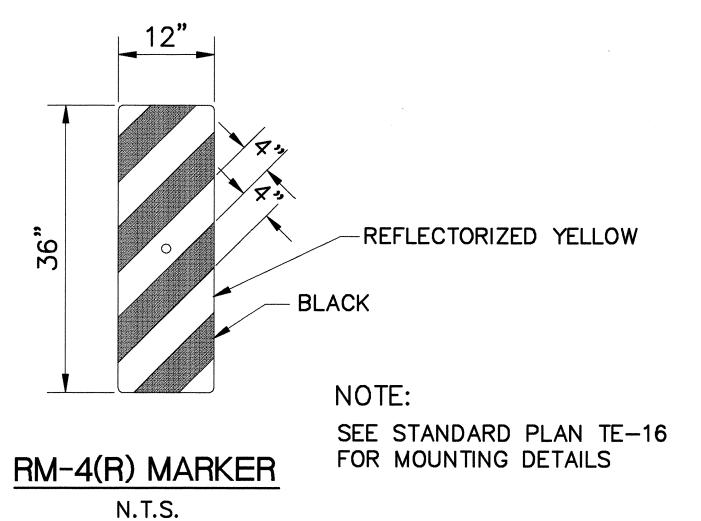






REFLECTOR MARKER MOUNTING DETAIL

N.T.S.





THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERMISION
ParEn, INC.
dba: PARK ENGINEERING

DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

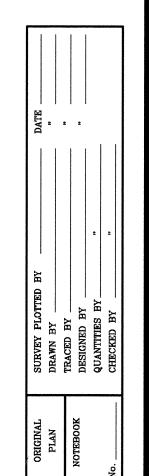
TYPICAL BRIDGE SECTIONS SIGNAGE AND DETAILS

CONSTRUCTION ACCESS ROAD F.A.I. PROJECT NO. I-H3-1(59)

SCALE: AS SHOWN

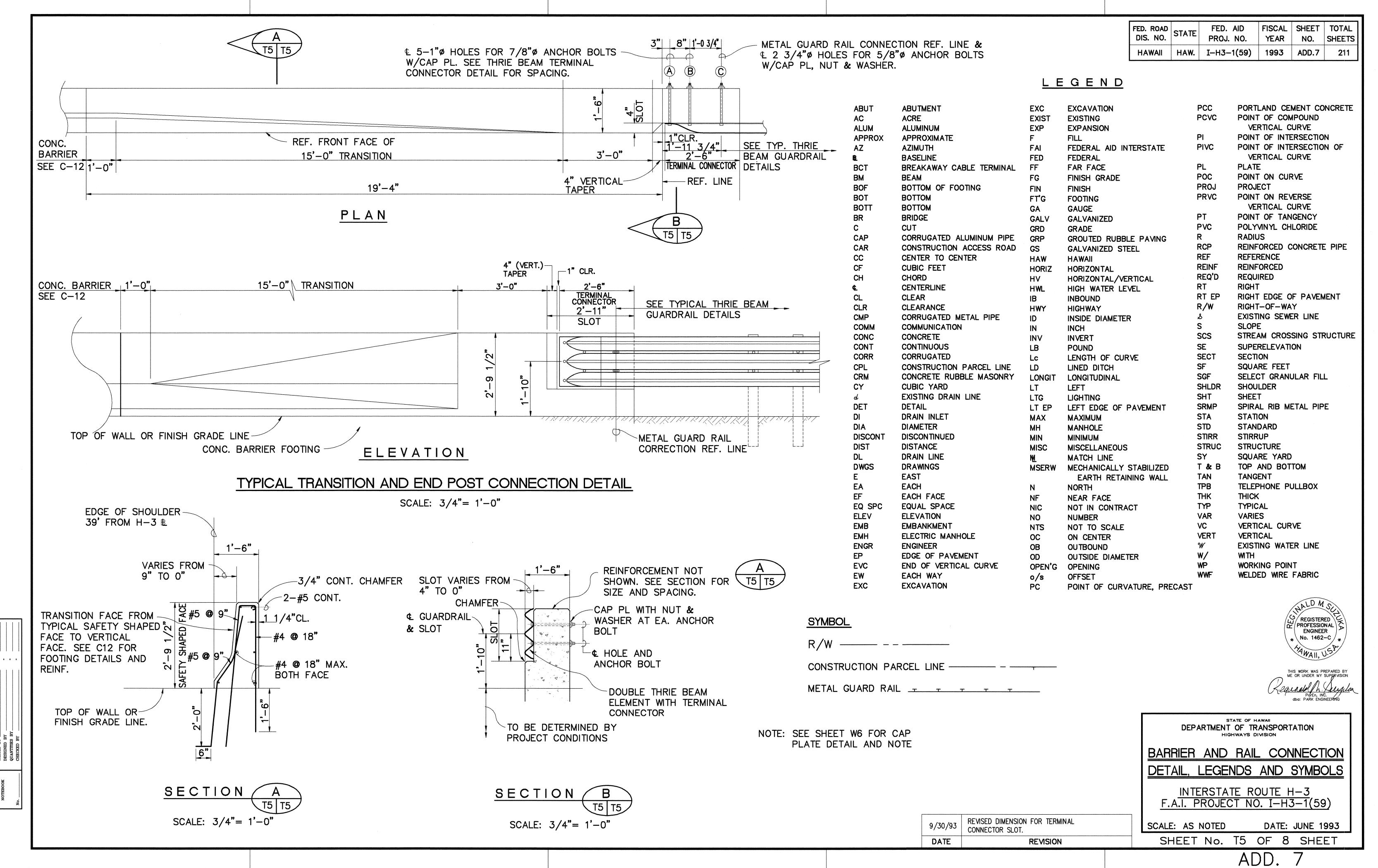
E: AS SHOWN DATE: JUNE 1993
SHEET No. T4 OF 8 SHEETS

ADD. 6

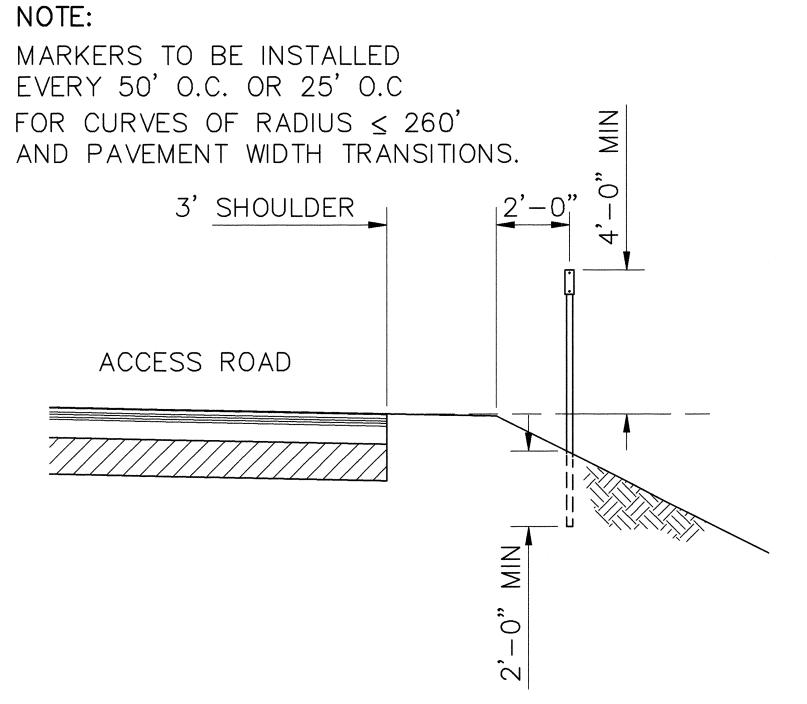


9/30/93 DELETED NOTE ON ALIGNMENT OF BRIDGE PIER AND ABUTMENT.

DATE REVISION



FISCAL SHEET TOTAL YEAR NO. SHEETS FED. ROAD DIS. NO. STATE FED. AID PROJ. NO. SHEETS HAWAII HAW. I-H3-1(59) 1993 8

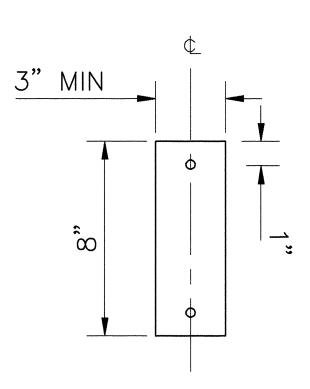


REFLECTOR MARKER MOUNTING DETAIL

N.T.S.

Install Reflector Markers along HECO A.C. Road Sta. 0+00-7+60 and C.A.R. Sta. 0+00 - 12+25. C.C.O. No. 11 *

*Project Files are Located at 727 Kakoi St. Honolulu, Hi. 96819

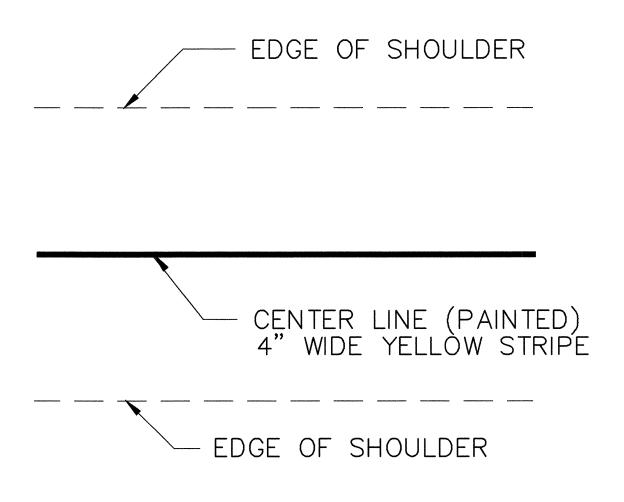


RM-2 MARKER

<u>YELLOW</u> N.T.S.

NOTE:

SEE STANDARD PLAN TE-16 FOR MOUNTING DETAILS



TYPICAL STRIPING ALONG CONSTRUCTION ACCESS ROAD

N.T.S.

TABLE OF REFLECTOR LOCATIONS ALONG CONSTRUCTION ACCESS ROAD					
	LEFT EDGE	RIGHT EDGE			
	12+25 - 13+25 $19+00 - 19+10$ $20+95 - 21+50$ $23+25 - 25+00$ $27+50 - 29+50$ $31+50 - 31+75$	20+95 - 21+50 23+25 - 25+00 27+50 - 29+50 31+50 - 36+20			
	0+00 - 12 + 25	0+00-12+25			



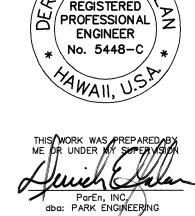
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

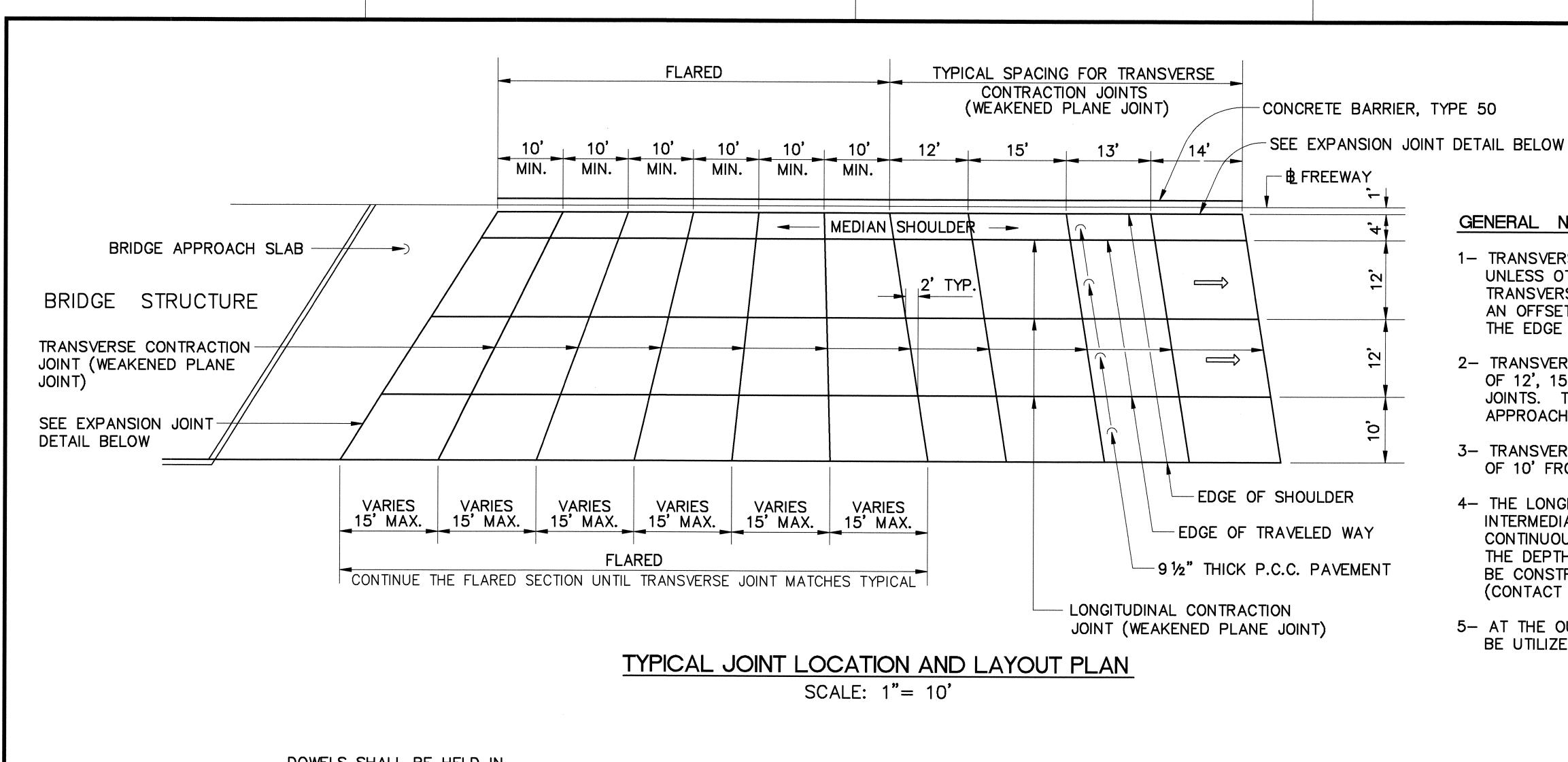
STRIPING, SIGNAGE AND DETAILS

CONSTRUCTION ACCESS ROAD F.A.I. PROJECT NO. I-H3-1(59)

SCALE: AS SHOWN SHEET No. T6 OF 8 SHEETS

DATE: JUNE 1993

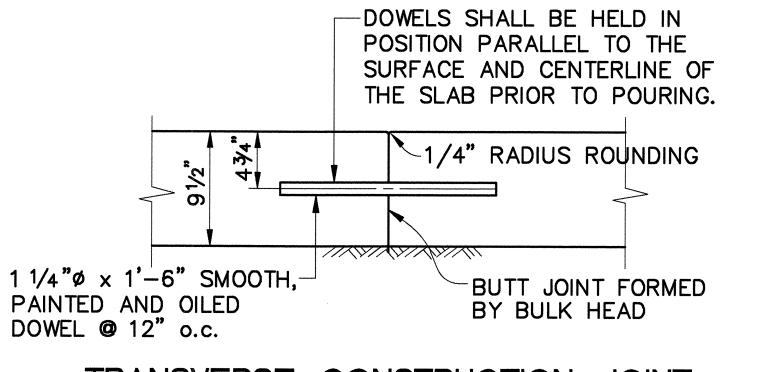


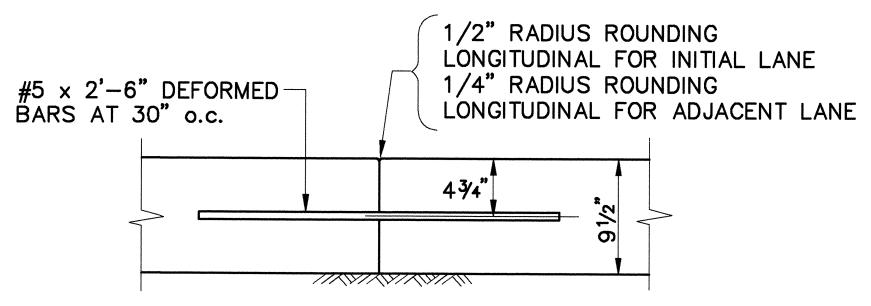


FED. ROAD STATE FED. AID FISCAL SHEET TOTAL PROJ. NO. YEAR NO. SHEETS HAWAII | HAW. | I-H3-1(59) 1993 9 211

GENERAL NOTES

- 1- TRANSVERSE CONTRACTION JOINTS SHALL BE SAWED DIAGONALLY AS SHOWN, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. UNDER TYPICAL CONDITIONS, TRANSVERSE CONTRACTION JOINTS SHALL BE SKEWED COUNTER-CLOCKWISE WITH AN OFFSET OF 2' FOR EVERY 12' OF LANE WIDTH FROM THE PERPENDICULAR TO THE EDGE OF TRAVELED WAY.
- 2- TRANSVERSE CONTRACTION JOINTS SHALL BE SPACED AT SUCCESSIVE INTERVALS OF 12', 15', 13' AND 14' IN THE DIRECTION OF TRAFFIC. REPEAT FOR THE REMAINING JOINTS. TEN (10) FEET MINIMUM SPACING SHALL BE MAINTAINED FROM BRIDGE APPROACH SLAB AS SHOWN.
- 3- TRANSVERSE CONSTRUCTION JOINTS SHALL BE LOCATED AT A MINIMUM DISTANCE OF 10' FROM THE NEAREST PLANNED TRANSVERSE CONTRACTION JOINT.
- 4- THE LONGITUDINAL CONTRACTION JOINT DETAIL SHALL BE APPLICABLE AT THE INTERMEDIATE TRAFFIC LANE EDGE WHEN TWO OR MORE LANES ARE PAVED IN ONE CONTINUOUS POUR. THE STRAIGHT TIE BARS SHALL BE PLACED MECHANICALLY TO THE DEPTH AS SHOWN ON THE DETAIL. ALL OTHER LONGITUDINAL JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LONGITUDINAL CONSTRUCTION JOINT (CONTACT JOINT) DETAIL SHOWN ON THIS PLAN.
- 5- AT THE OUTER EDGE OF THE P.C.C. PAVEMENT, 1 1/2" RADIUS ROUNDING SHALL BE UTILIZED LONGITUDINALLY OR AS DIRECTED BY THE ENGINEER.





TRANSVERSE CONSTRUCTION JOINT (CONTACT JOINT)

SCALE: 11/2"= 1'-0"

TRANSVERSE CONTRACTION JOINT

(WEAKENED PLANE JOINT)

SCALE: 1½"= 1'-0"

1/8" MIN., 1/4" MAX. 21/2" SAWED JOINT

LONGITUDINAL CONSTRUCTION JOINT (CONTACT JOINT)

SCALE: 1½"= 1'-0"

#5 x 2'-6" DEFORMED -BARS AT 30" o.c. → 1/8" MIN., 1/4" MAX. SAWED JOINT ///\\//\\/\\

__ _ 2" POURED JT. FILLER CONCRETE BARRIER OR APPROACH SLAB 1/2" PREMOLDED SEE BRIDGE APPROACH JOINT FILLER SLAB FOR OTHER DETAILS NOT SHOWN FOR EXPANSION JOINT AT APPROACH SLAB.

LONGITUDINAL CONTRACTION JOINT

(WEAKENED PLANE JOINT)

SCALE: 11/2"= 1'-0"

EXPANSION JOINT DETAIL

SCALE: 11/2"= 1'-0"

REGISTERED PROFESSIONAL ENGINEER $_{f k}$ ackslash No. 2147–S /THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERMISION *** SIGNATURE HAS BEEN DIGITIZED

DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION P.C.C. PAVEMENT JOINT DETAILS INTERSTATE ROUTE H-3 F.A.I. PROJECT NO. I-H3-I(59)

SCALE: AS SHOWN

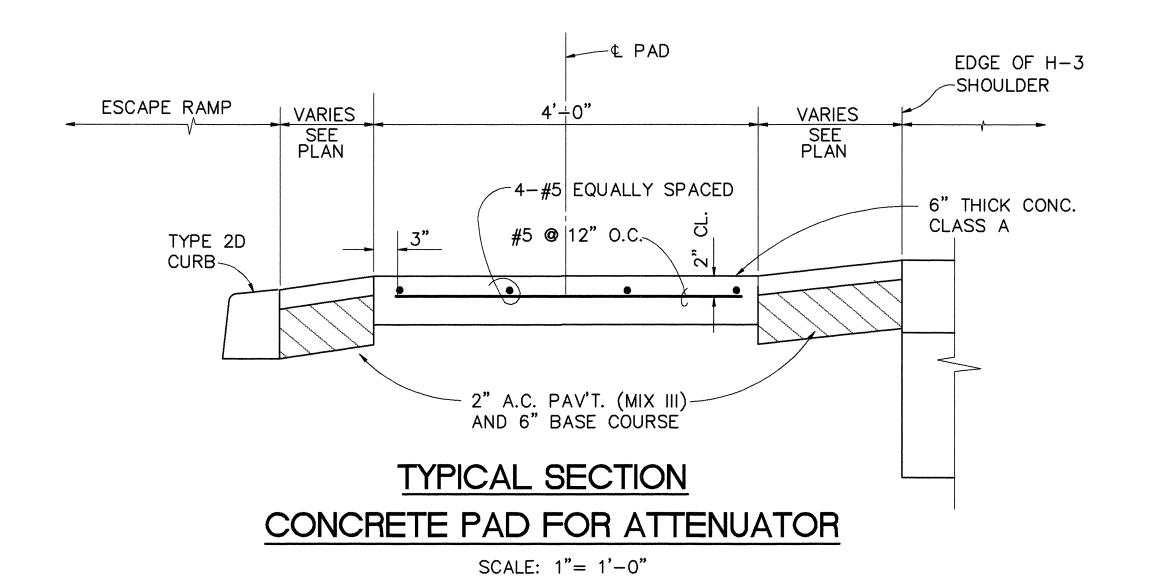
DATE: JUNE 1993 SHEET No. T7 OF 8 SHEETS

PCCPAVT 4/17/92 AMM PHASE 1A 1/30/93 MSC

9

FED. ROAD DIS. NO. STATE FED. AID FISCAL SHEET TOTAL PROJ. NO. YEAR NO. SHEETS

HAWAII HAW. I-H3-1(59) 1993 10 211



CONCRETE BACKUP.

MANUFACTURER TO
DETERMINE SIZE AND
REINFORCING

TO
THE PRONT FACE OF BACKUP

#5 AT 12" O.C. BEGIN FROM
FRONT FACE OF BACKUP

TO
THE PRONT FACE OF BACKUP

#5 AT 12" O.C. BEGIN FROM
FRONT FACE OF BACKUP

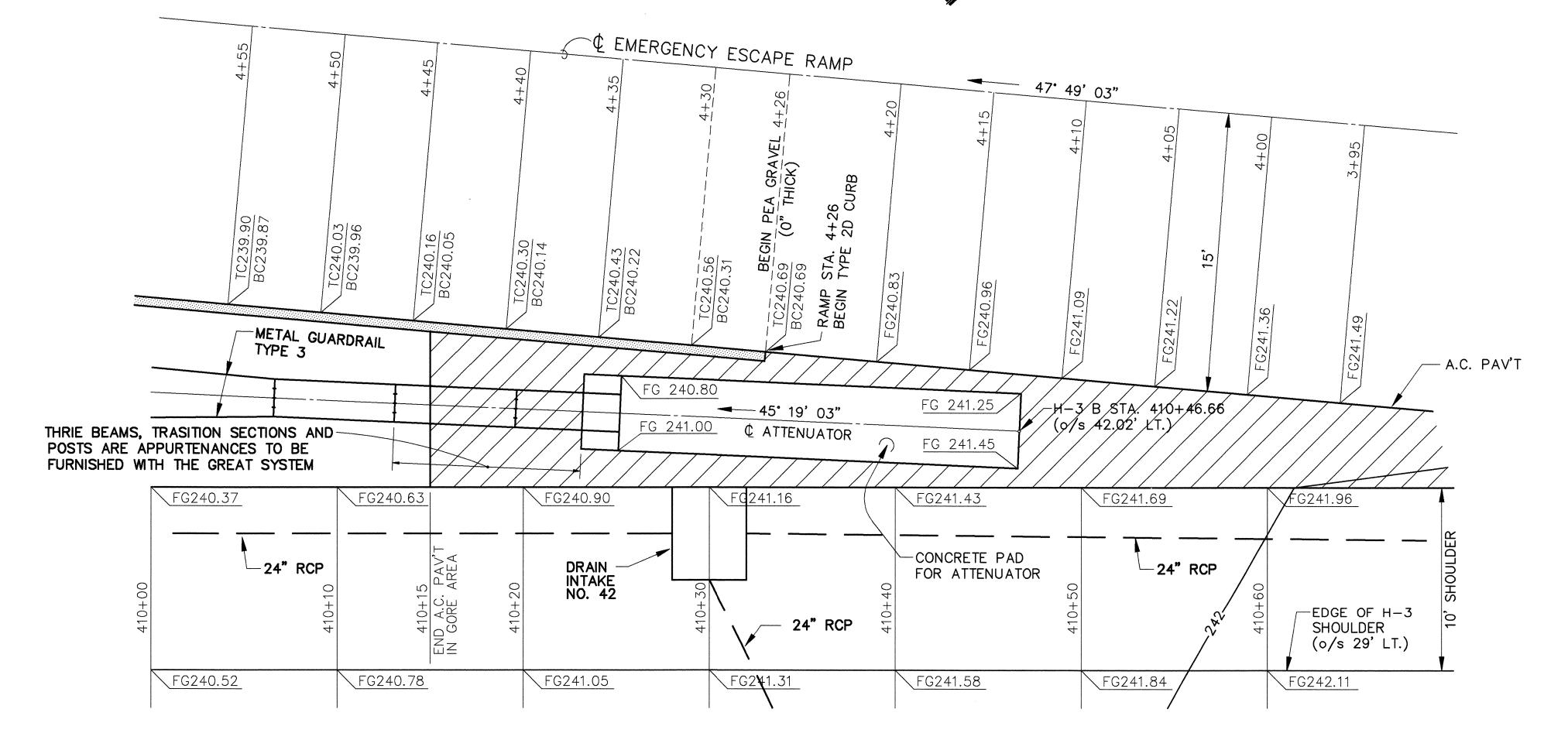
NEW ATTENUATOR SYSTEM

PLAN - CONCRETE PAD FOR ATTENUATOR

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

NOTES:

- 1. ATTENUATOR SHALL BE THE GREAT SYSTEM OR EQUIVALENT.
- ADDITONAL DESIGNS AND DETAILS REQUIRED FOR THE INSTALLATION
 OF THE GREAT SYSTEM SHALL BE PROVIDED BY THE MANUFACTURER.
- 3. THE INSTALLATION OF THE GREAT SYSTEM AND ALL APPURTENANCES SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.



ATTENUATOR GRADING PLAN

SCALE: 1" = 4'

REGISTERED
PROFESSIONAL
ENGINEER
No. 1462-C
*
**

WAII, U.S.*

THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION

Agrael A. Juylou
Paren, INC.

dba: PARK ENGINEERING

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ATTENUATOR
PLAN AND DETAILS

INTERSTATE ROUTE H-3 F.A.I. PROJECT NO. I-H3-1(59)

SCALE: AS NOTED

DATE: JUNE 1993

SHEET No. T8 OF 8 SHEETS

10

10

