

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-15(3)	2010	16	80

LEGEND

- 4" Double Solid Yellow with Type D Raised Markers @ 20'-0" o.c. (Thermoplastic Extrusion)
- 8" White Stripe with Type C Raised Pavement Markers @ 20'-0" o.c. (Thermoplastic Extrusion)
- 4 each Type J Raised Pavement Markers
- 4 each Type D Raised Pavement Markers @ 40'-0" o.c.
- 4 each Type A Raised Pavement Markers
- 4 each Type C Raised Pavement Markers @ 40'-0" o.c.
- 6" or 8" White Edge Stripe with Type C Raised Pavement Markers @ 40'-0" o.c. (Thermoplastic Extrusion)
- 4" Yellow Edge Stripe with Type H Raised Pavement Markers @ 40'-0" o.c. (Thermoplastic Extrusion)
- 4 each Type A Raised Pavement Markers
Type C Raised Pavement Markers @ 20'-0" o.c.
4" White Stripe (Thermoplastic Extrusion)
- Transverse Median Marking (Thermoplastic Extrusion)
- Transverse Shoulder Marking (Thermoplastic Extrusion)
- 4" White or Yellow Guide Lines (Thermoplastic Extrusion except for bus bays)
- Channelizing Island or Deceleration Lane Gore (Thermoplastic Extrusion)
- Milled Rumble Strips with 20 lf, 6" White Stripe
- Crosswalk and Stop Line. All Stop Lines shall be 4'-0" from Crosswalk unless otherwise noted. The circled number indicates the number of lanes for payment (Thermoplastic Extrusion)
- Pavement Arrow (Thermoplastic Extrusion)
- STOP Pavement Word (Thermoplastic Extrusion)

REFLECTOR MARKER LEGEND

- Reflector Marker (RM-2, White) w/Post
- Reflector Marker (RM-3) w/Post

NOTES

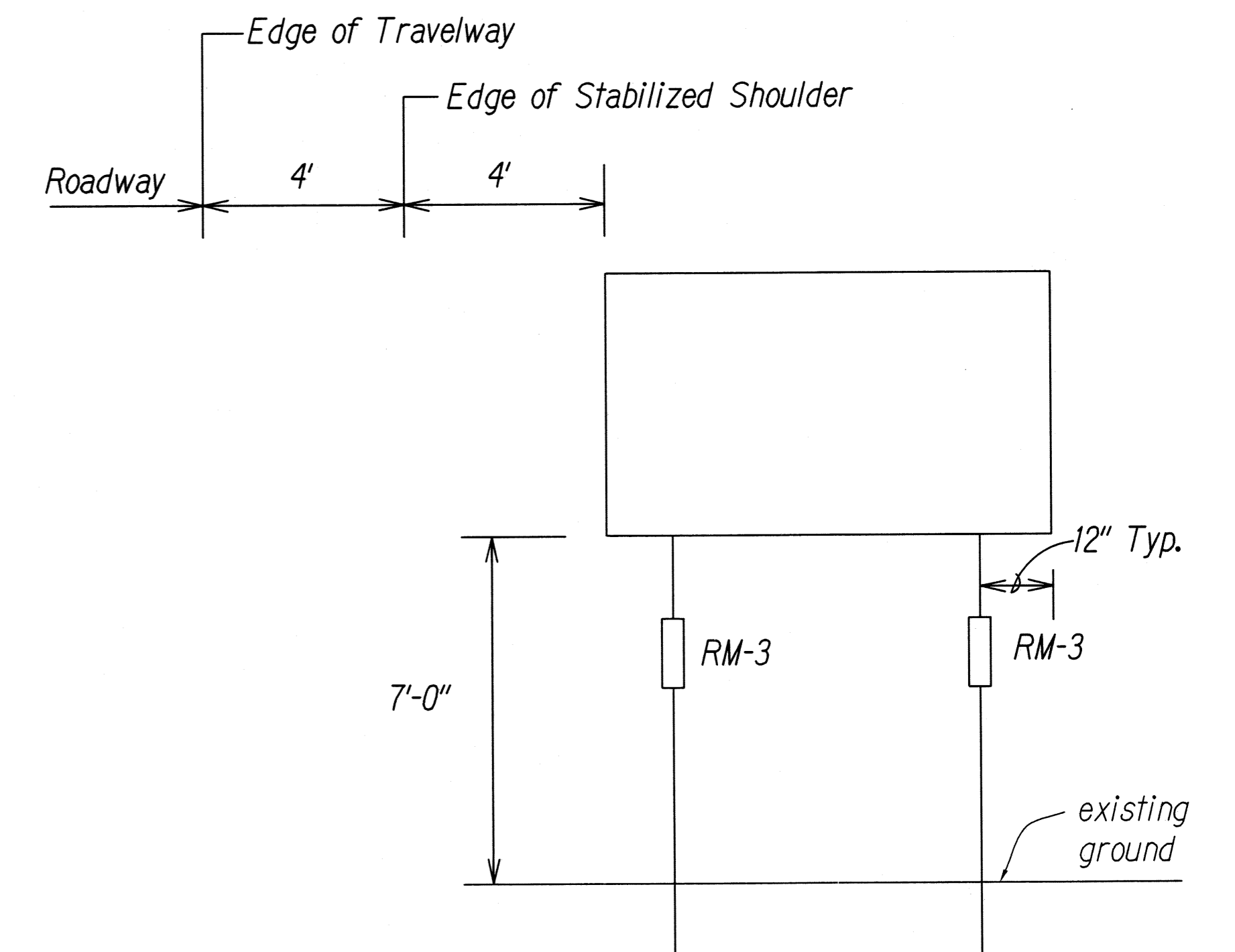
1. Layout of pavement markings and striping shall be done by the Contractor and approved by the Engineer prior to any installation work.
2. Existing pavement markings not incorporated in the final traffic pattern shall be removed as directed by the Engineer. Costs shall be incidental to the various pavement marking items.
3. Raised pavement markers shall not be installed within crosswalks.
4. Final locations of all signs shall be approved by the Engineer prior to any installation work.
5. Existing signs not shown on these plans shall remain as posted unless otherwise directed by the Engineer. Removal and disposal of existing signs and/or posts as designated on these plans shall be incidental to the various signing items.
6. Final locations of all Stop Lines shall be approved by the Engineer prior to installation.
7. All pavement striping shall be as noted on the legend or plans. Line widths shall match existing.
8. All preformed pavement marking tapes over existing pavement shall be applied with an approved primer as recommended by the tape manufacturer and as approved by the Engineer. The primer shall be allowed to dry to the tacky stage prior to tape application.
9. The Contractor shall erect at the beginning of the project and at the end of the project advance construction warning signs placed as indicated on the plans or as directed by the Engineer for the duration of the highway project and shall be maintained by the Contractor. These signs shall be placed in addition to the required traffic control signs called for in Section 645 - Traffic Control. The advance construction warning signs shall be new and become the property of the State. The Contractor shall remove, clean, and deliver the signs and posts to the State field office, or as directed by the Engineer, upon the completion of the project.
10. Existing signs that are to be replaced shall not be removed until new signs are installed as replacements, or the messages are no longer necessary.
11. Backing for all new regulatory and warning signs shall not be spliced.
12. All sign panels shall conform to Section 621 of Special Provisions and the latest editions and amendments of the following FHWA publications:
 - a. "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD)
 - b. "Standard Highway Signs"
 - c. "Standard Alphabets for Highway Signs"
13. All new and relocated signs and markers installed on pipe posts, light standard or expressway sign post are to be mounted with band brackets and steel braces.
14. Removal of existing delineators and posts, as directed by the Engineer or shown on the plans, shall be considered incidental to the various signing items.
15. All permanent signs shall be installed with square tube posts, unless otherwise specified as flexible posts.

NOTES (cont.)

16. Except where installed behind guardrails, all steel sign posts within the clear zone defined by the AASHTO Roadside Design Guide shall be painted with reflective yellow paint. This requirement is in addition to any reflector marker or marking called out in the contract.

SIGN KEY

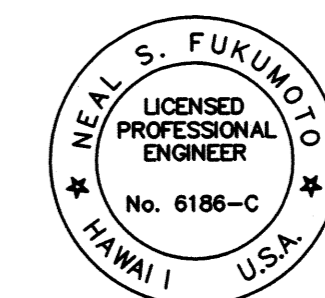
- ① Existing Sign and Post(s) to Remain
- ② Remove Existing Sign and Post
- ③ Install New Sign(s) w/Steel Post(s) and RM-3(s) (If Required)
- ④ Remove Existing Sign and Post(s) and Install New Sign(s) w/Post(s) and RM-3(s) (If Required)
- ⑤ Install New Sign(s) on Light Post



DETAIL - FRAME LAYOUT

Not to Scale

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



This work was prepared by me or under my supervision.
Exp. 04-30-10
Neal S. Fukumoto
Wesley R. Segovia & Associates, Inc.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

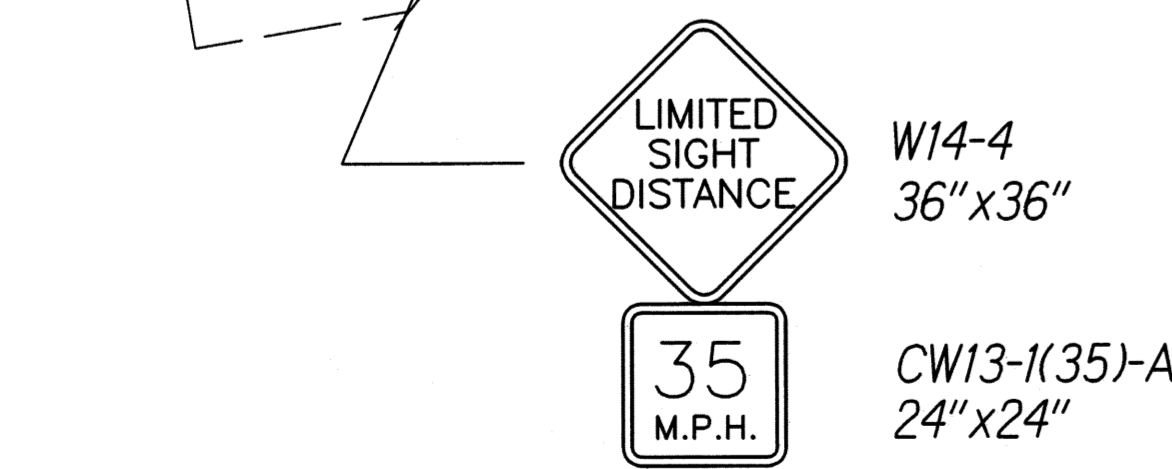
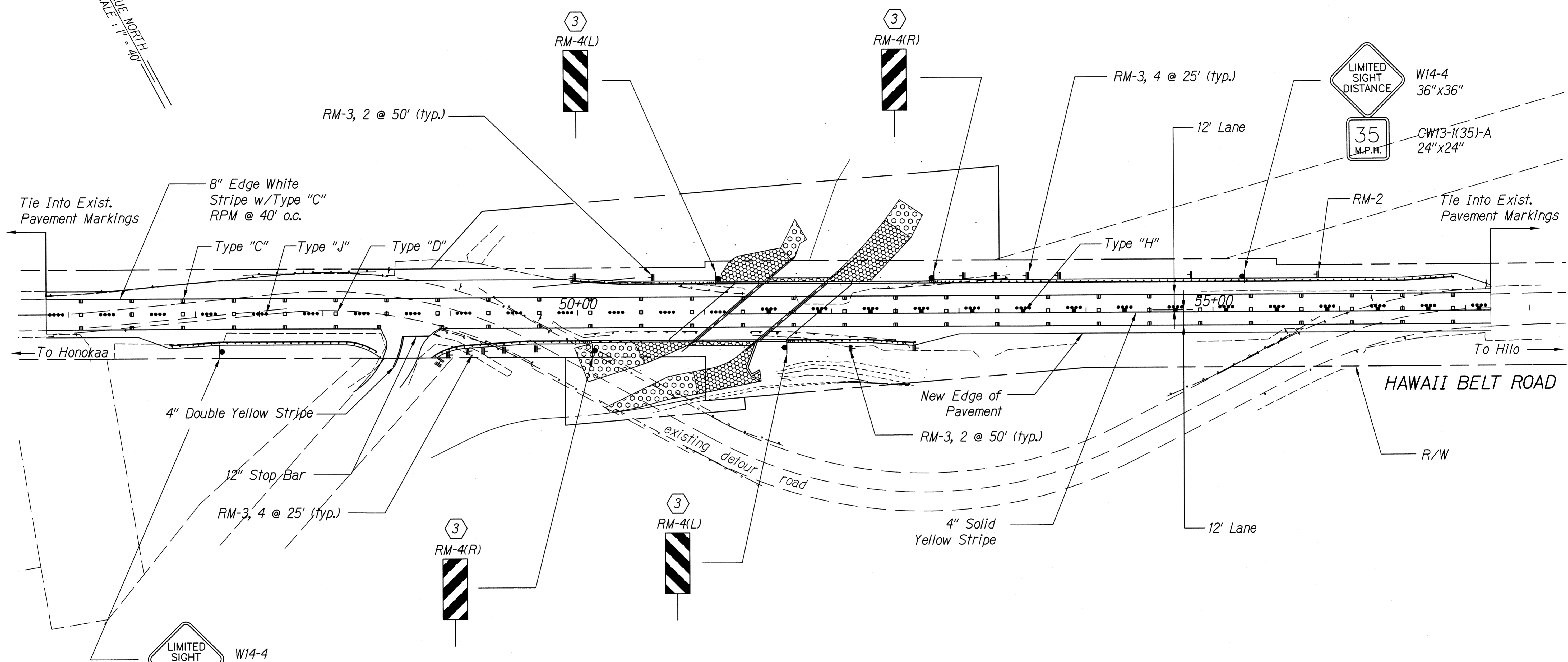
SIGNING AND STRIPING NOTES

HAWAII BELT ROAD
KAWAILII STREAM BRIDGE REPLACEMENT
Federal Aid Project No. ER-15(3)
Scale: NTS Date: October 2009

SHEET No. 1 OF 1 SHEETS

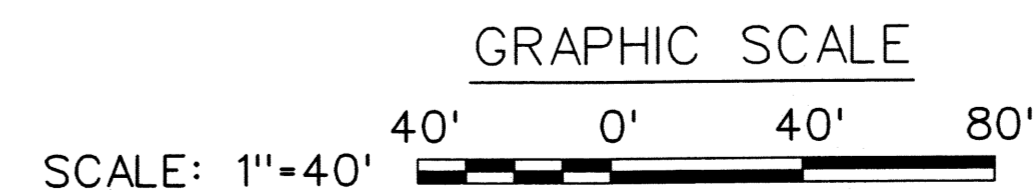
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HAWAII	HAW.	ER-15(3)	2010	17	80

TRUE NORTH
SCALE: 1" = 40'



DESIGNED BY	DATE
DRAWN BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
N.	

SIGNING AND STRIPING PLAN
Scale: 1"=40'



NEAL S. FUKUNO
LICENSED PROFESSIONAL ENGINEER
No. 6186-C
HAWAII U.S.A.

This work was prepared by me or under my supervision.
Exp. 04-30-10

Wesley R. Segawa
Wesley R. Segawa & Associates, Inc.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING AND STRIPING PLAN

HAWAII BELT ROAD
KAWAII STREAM BRIDGE REPLACEMENT
Federal Aid Project No. ER-15(3)
Scale: 1"=40' Date: October 2009

SHEET No. 1 OF 1 SHEETS