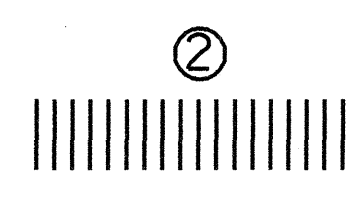

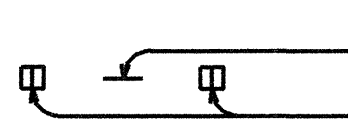

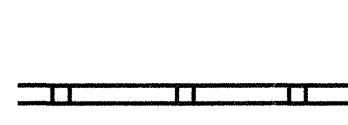



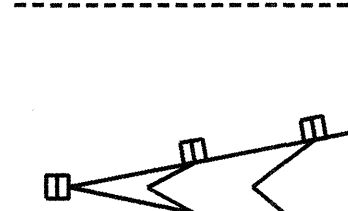
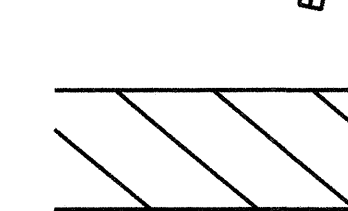


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11A-01-02	2003	14	30

LEGEND

-  Crosswalk and Stop Line. All Stop Lines shall be 10'-0" from Crosswalk unless otherwise noted. The circled number indicates the number of lanes for payment (Thermoplastic Extrusion)
-  Pavement Arrow (Thermoplastic Extrusion)
-  4 each Type A Raised Pavement Markers
Type C Raised Pavement Markers @ 40'-0" o.c.
-  8" White Stripe with Type C Raised Pavement Markers @ 20'-0" o.c. (Thermoplastic Extrusion)
-  4" Double Solid Yellow with Type D Raised Pavement Markers @ 20'-0" o.c. (Thermoplastic Extrusion)
-  4" Double Solid Yellow Stripes with Type H Raised Pavement Markers @ 20'-0" o.c. (Thermoplastic Extrusion)
-  4" or 8" White Edge Stripe with Type C Raised Pavement Markers @ 40'-0" o.c. (Thermoplastic Extrusion)
-  4" Yellow Guide Lines (Thermoplastic Extrusion except for bus bays)
-  Channelizing Island or Deceleration Lane Gore (Thermoplastic Extrusion)
-  Transverse Median Marking (Thermoplastic Extrusion)

PAVEMENT MARKINGS

- Type "A" Non-Reflective White marker
- Type "C" Red Clear RPM
- Type "D" Two-way Yellow RPM
- Type "H" One-way Yellow RPM

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. All pavement striping shall be as noted on the legend or plans.
6. All preformed pavement marking tapes over existing pavement shall be applied with an approved primer as recommended by the tape manufacturer and as directed by the Engineer. The primer shall be allowed to dry to the tacky stage prior to tape application.
7. 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.
8. 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.
9. Backing for all Regulatory and Warning signs shall not be spliced.
10. All signs shall conform to Section 621 of the 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"
11. Borders, messages, arrows, symbols and shields shall conform to details as shown on the plans and as specified in the MUTCD.
12. Signs messages shall be as indicated on the plan.
13. All panels shall be reflectorized in accordance with Section 712.20 of the Standard Specifications. Minimum width of panels shall be 2 ft. abutting edges are to be used, no horizontal abutting edges shall be allowed and vice versa.
14. Removing and reinstalling existing Street Name Signs on Regulatory and Warning Sign Post shall not be paid for separately, but shall be considered incidental to the various contract items.
15. Install type II object marker on all utility poles or trees that are within the State highway right of way and within 30 feet of the roadway edge of pavement as directed by the Engineer.
16. Final locations of all Stop Lines shall be approved by the Engineer prior to installation.

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STRIPING LEGEND AND NOTES

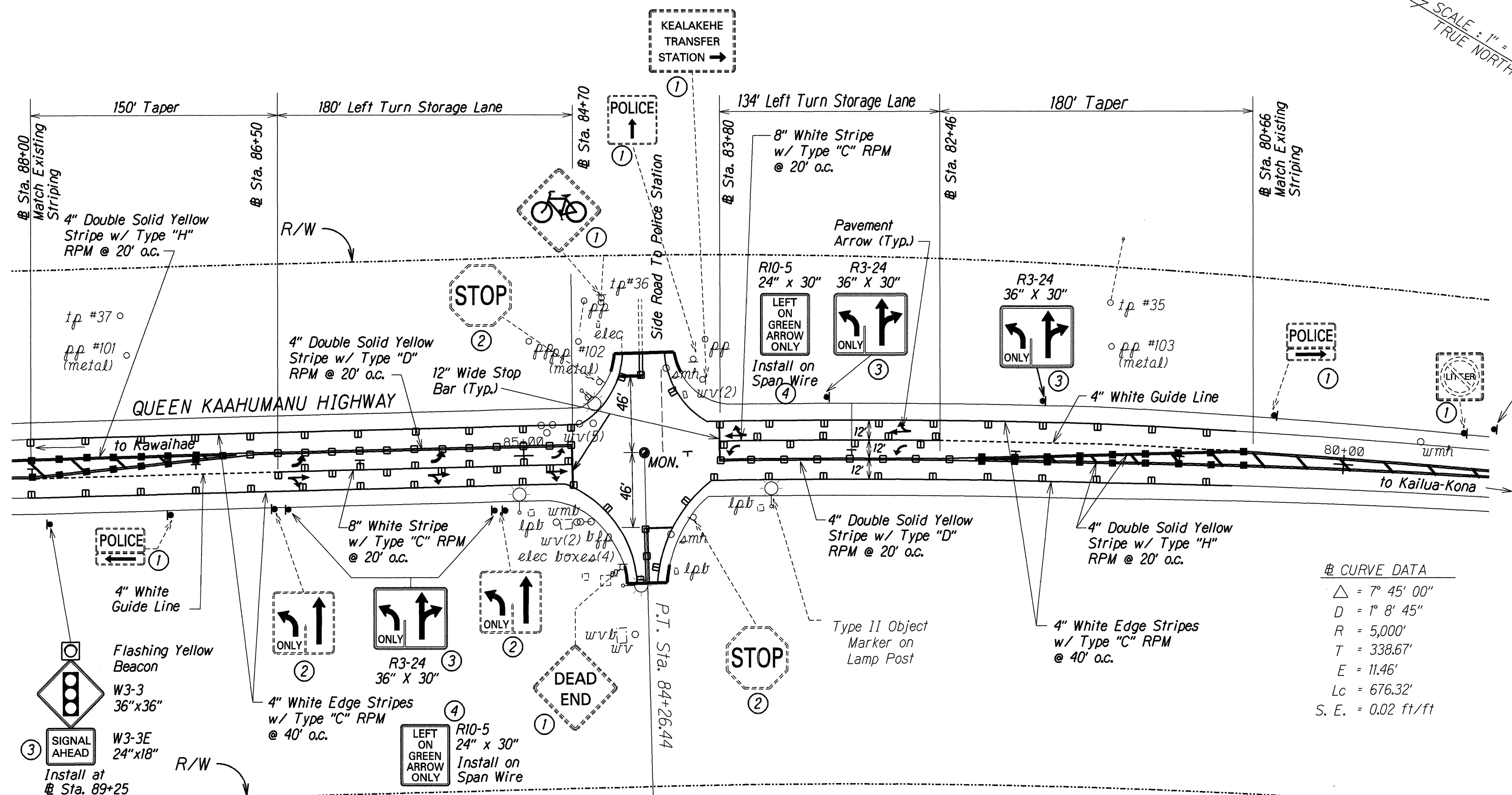
*Hawaii Belt Road
Intersection Improvements
At Police Station Road and Hualalai Road
Project No. 11A-01-02*

Scale: No Scale Date: Dec., 2002

SHEET No. SSI OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11A-01-02	2003	ADD. 15	30

SCALE: 1" = 40'
TRUE NORTH



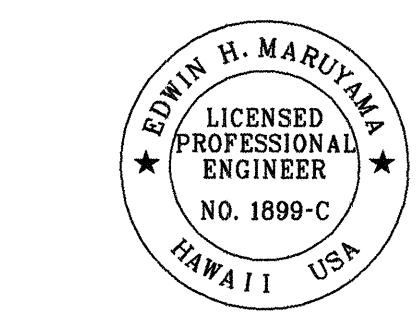
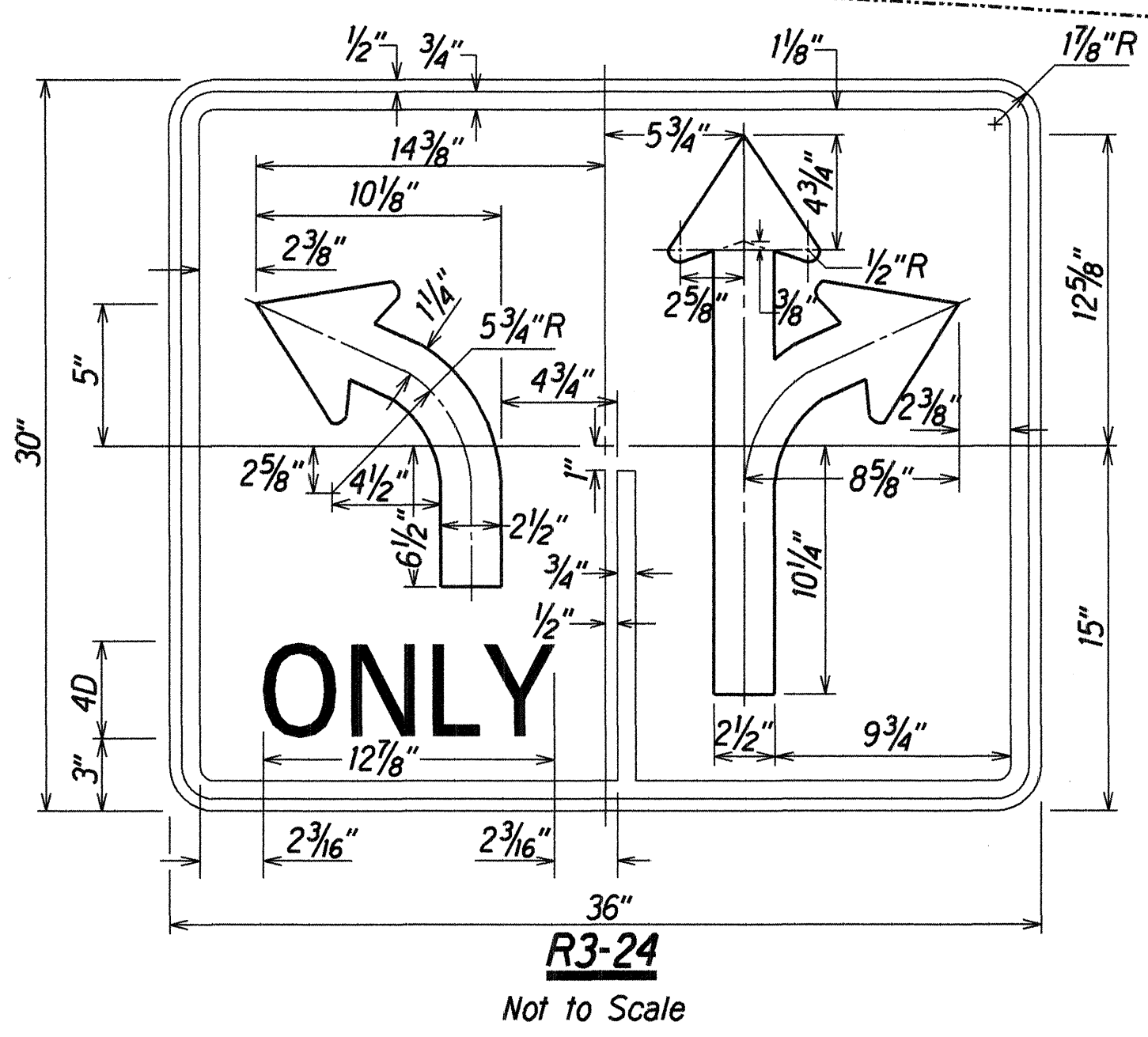
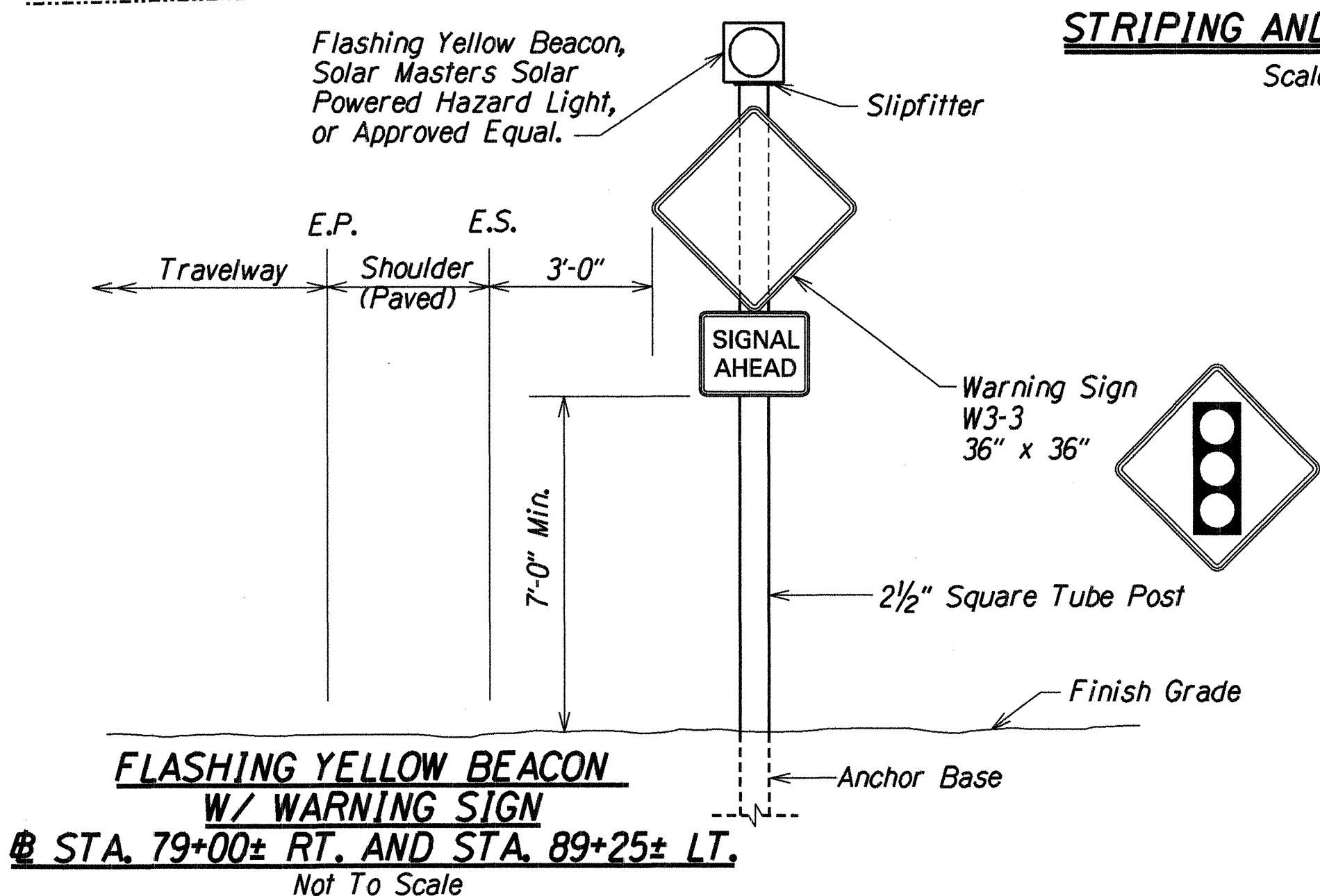
- ① Existing sign and post to remain.
- ② Existing sign and post to be removed.
- ③ Install new sign and post.
- ④ Install new sign.

Note: Eradicate all existing pavement markers, striping, and markings between Sta. 80+66 to Sta. 88+00. This work shall be considered incidental to the various contract items. Install new striping as shown.

④ CURVE DATA

Δ	= 7° 45' 00"
D	= 1° 8' 45"
R	= 5,000'
T	= 338.67'
E	= 11.46'
Lc	= 676.32'
S. E.	= 0.02 ft/ft

STRIPING AND SIGNING PLAN
Scale: 1"=40'



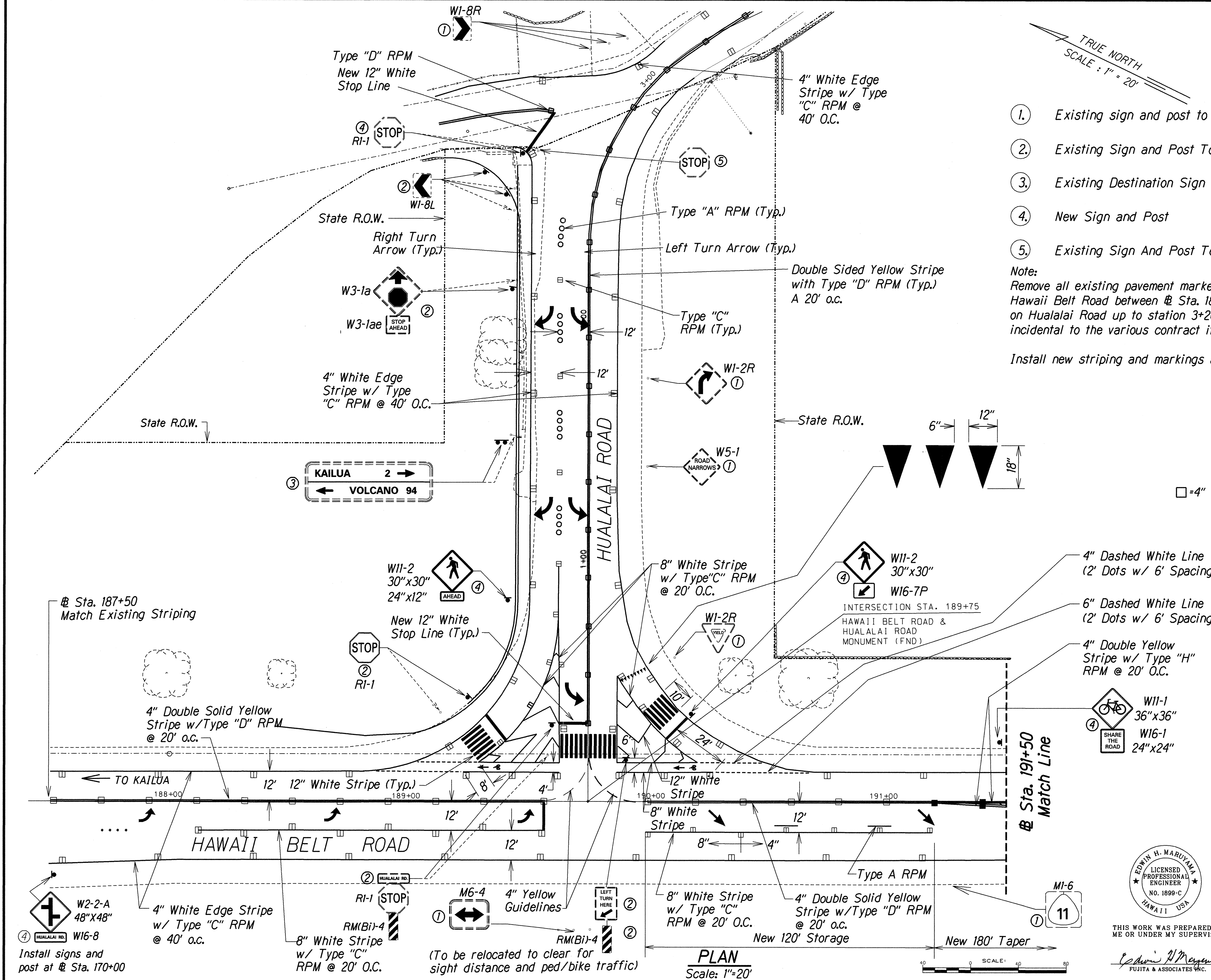
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Edwin H. Maruyama
FUJITA & ASSOCIATES INC.

1/22/03	Revised Size Of Square Tube Post In Flashing Yellow Beacon W/ Warning Sign Detail
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
STRIPING AND SIGNING PLAN	
Hawaii Belt Road Intersection Improvements At Police Station Road and Hualalai Road Project No. 11A-01-02	
Scale: 1"=40'	Date: Dec., 2002
SHEET No. SS2 OF 4 SHEETS	

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

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11A-01-02	2003	16	30

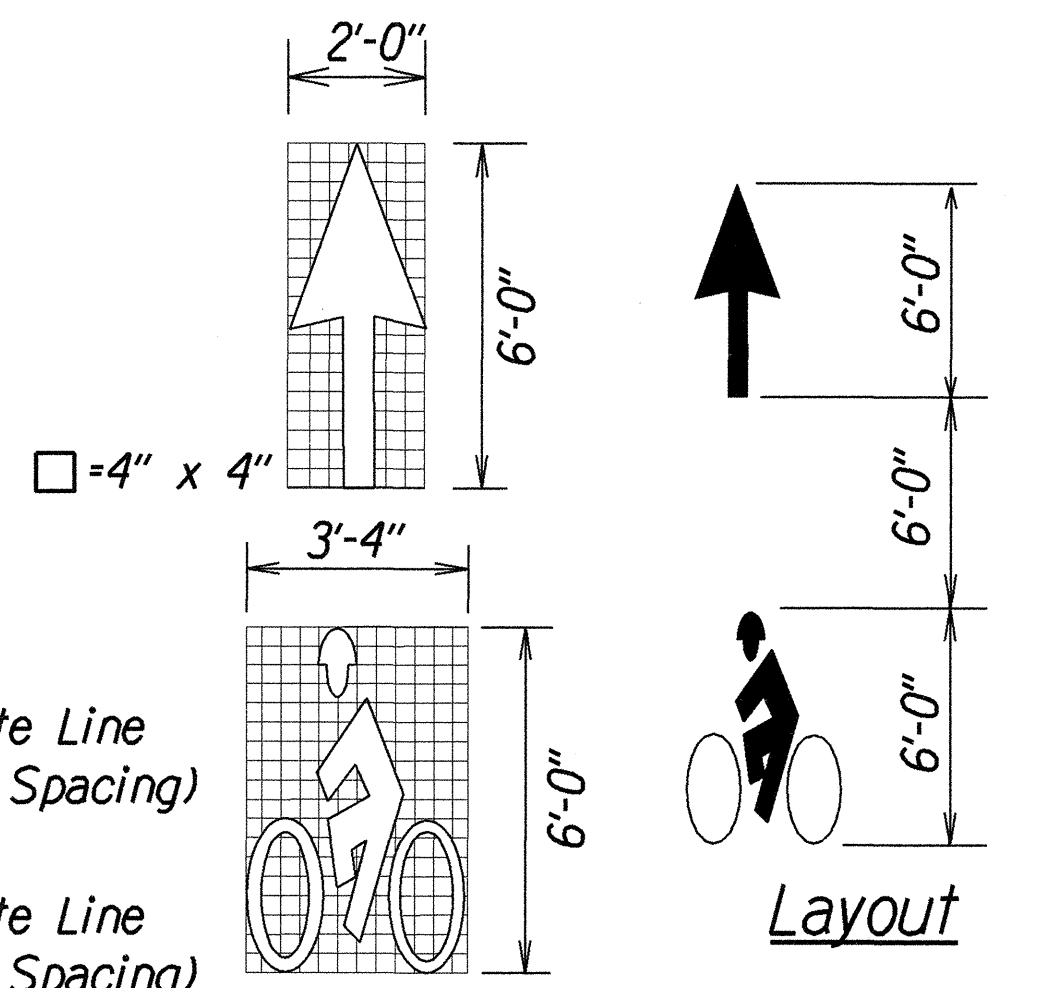
TRUE NORTH
SCALE: 1" = 20'



- ① Existing sign and post to remain.
- ② Existing Sign and Post To Be Relocated (New Anchor, Post, Fasteners)
- ③ Existing Destination Sign To Be Relocated, (New Posts and Foundation)
- ④ New Sign and Post
- ⑤ Existing Sign And Post To Be Removed.

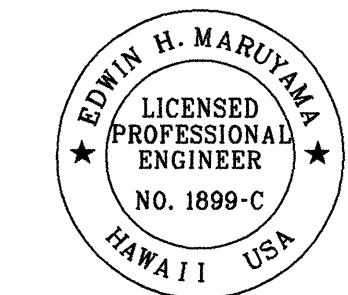
Note:
Remove all existing pavement markers, striping and markings on Hawaii Belt Road between Sta. 187+50 to Sta. 193+00 and on Hualalai Road up to station 3+20. This work shall be considered incidental to the various contract items.

Install new striping and markings as shown.



Detail
Not to Scale

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



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

FUJITA & ASSOCIATES INC.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STRIPING AND SIGNING PLAN

Hawaii Belt Road
Intersection Improvements
At Police Station Road and Hualalai Road
Project No. 11A-01-02

Scale: 1"=20' Date: Dec., 2002

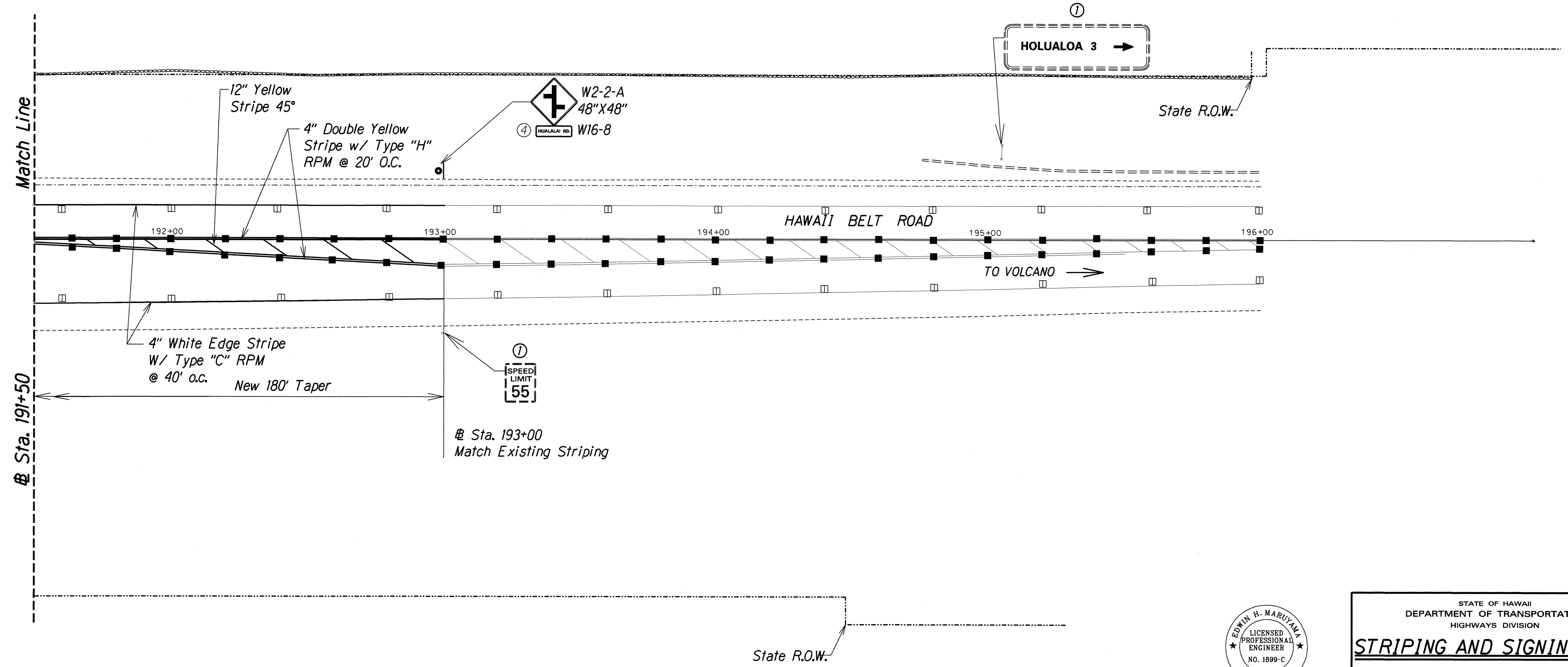
SHEET No. SS3 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11A-01-02	2003	17	30

TRUE NORTH
SCALE: 1" = 20'

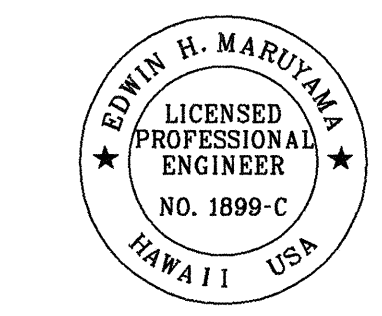
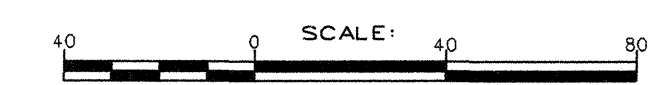
- ① Existing sign and post to remain.
- ② Existing Sign and Post To Be Relocated (New Anchor, Post, Fasteners)
- ③ Existing Destination Sign And Post To Be Relocated (New Foundation)
- ④ New Sign and Post

Note:
Remove all existing pavement markers, striping and markings on Hawaii Belt Road between Sta. 187+50 to Sta. 193+00 and on Hualalai Road up to station 3+20. Install new striping and markings as shown.



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
CHECKED BY	
NO.	

PLAN
Scale: 1"=20'



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Edwin H. Maruyama
FUJITA & ASSOCIATES, INC.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STRIPING AND SIGNING PLAN

Hawaii Belt Road
Intersection Improvements
At Police Station Road and Hualalai Road
Project No. 11A-01-02

Scale: 1"=20' Date: Dec., 2002

SHEET No. SS4 OF 4 SHEETS