

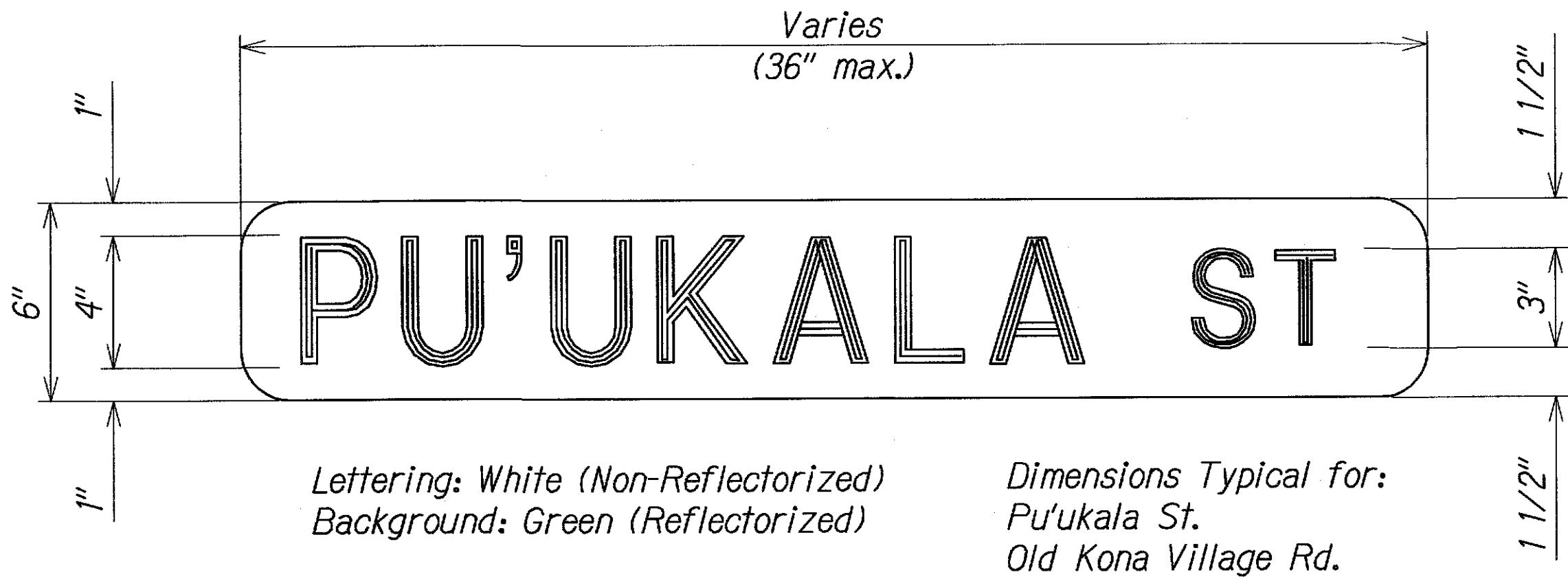
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	190B-01-09M	2010	33	54

SIGNAGE NOTES

- The Contractor shall replace all existing signs (including destination signs), posts, and anchors within the project limits, unless otherwise shown on the plans.
- Lettering
 - Destination Signs: Capitals, 8" Modified Series "E"; Lowercase, 6" Modified Series "E".
 - Street Name and Supplemental Street Name Signs: Use Modified Series "E", unless otherwise specified by the Engineer.
- All signs shall conform to Section 630 and 631 of the Standard Specifications and the latest editions and amendments of the following FHWA publications:
 - "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD)
 - "Standard Highway Signs"
 - "Standard Alphabets for Highway Signs"
- Borders, messages, arrows, symbols and shield shall conform to details as shown on the plans and as specified in the MUTCD.
- Sign messages shall be as indicated on existing signs, or as directed by the Engineer.
- All panels shall be reflectorized in accordance with Section 750 of the Standard Specifications. Minimum width of panels shall be 2 ft. abutting edges of panels shall be in only one direction if vertical abutting edges are used, no horizontal abutting edges shall be allowed and vice versa.
- Contractor shall submit all sign splicing details to the Engineer for acceptance. All backing for signs 4 feet by 6 feet or less shall be of one sheet.

- Backing for all new Regulatory and Warning Signs shall not be spliced.
- Final locations of all signs shall be approved by the Engineer prior to any installation work.
- 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.
- 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 or as directed by the Engineer shall be considered incidental to the various signing items.
- Removal and Replacement of Existing Delineators and Posts shall be considered incidental to the various signing items.
- All Destination, Street Name, Supplemental Street Name, and Non-Standard signs that are to be replaced shall be identical to the existing sign in size and text, unless otherwise specified.
- All signs, except Destination Signs, shall be installed on square tube posts, unless otherwise noted.
- All sign posts shall be completely painted with yellow reflective paint. Such paint work shall be considered incidental to sign items.
- Contractor shall mark the back of all signs using labels and equipment provided by the State. Payment to be incidental to various contract items.
- The Contractor shall submit Shop Drawings to the Engineer for acceptance prior to fabricating Destination, Street Name, Supplemental Street Name, and Non-Standard signs.

- Fabrication and installation of Supplemental Street Name signs (D3-2) shall be considered incidental to installation of W1-2 and W2-2 signs, as applicable.
- Street Name signs shall be paid for under Item No. 630.0100 - Panel for Destination Sign
- Street Name sign D3-1 shall be paid for under item 631.02 - Regulatory and Warning Sign (10 square feet or less) w/out Posts.
- Foundations and posts for Destination Signs shall be reused, except for square tube posts. Repaint foundations and posts that are reused.
- Square tube or flanged sign posts required for the installation of destination signs and repainting shall be considered incidental to Item No. 630.0100 - Panel for Destination Sign
- W1-8 signs shall be installed with its face perpendicular to the roadway centerline.
- Removed Signs and Posts are to be delivered from the project to the Hilo Baseyard (50 Makaala Street) by the Contractor. Payment shall be considered incidental to the various items.
- RM-3's shall be provided on all sign posts. The Engineer will consider the cost included in the price of the various contract items.

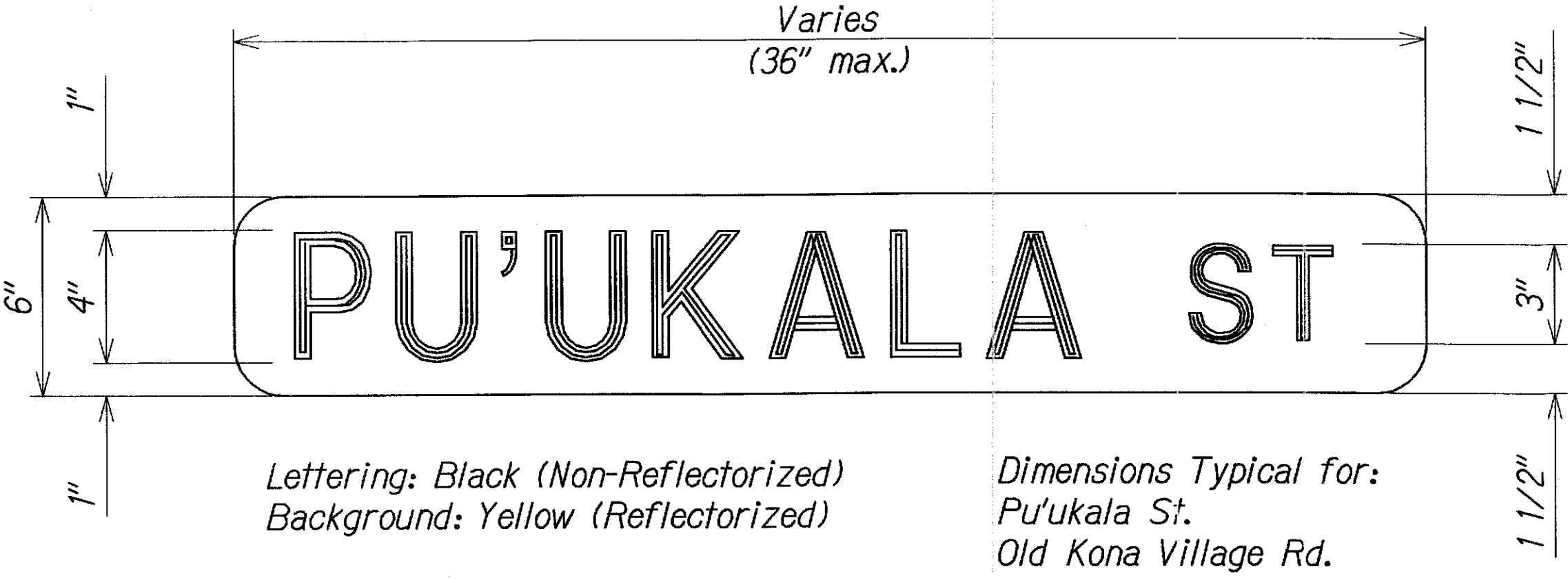
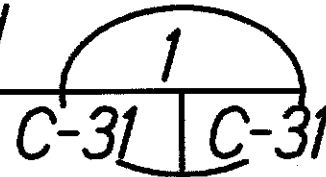


Lettering: White (Non-Reflectorized)
Background: Green (Reflectorized)

Dimensions Typical for:
Pu'ukala St.
Old Kona Village Rd.

STREET NAME SIGN

Scale: 3"= 1'-0"

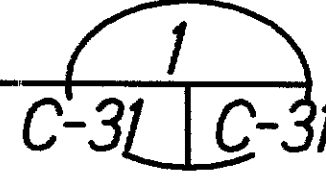


Lettering: Black (Non-Reflectorized)
Background: Yellow (Reflectorized)

Dimensions Typical for:
Pu'ukala St.
Old Kona Village Rd.

SUPPLEMENTAL STREET NAME SIGN

Scale: 3"= 1'-0"



This work was prepared by
me or under my supervision

Chad M. McDonald
MITSUNAGA & ASSOCIATES, INC. EXP. DATE
NOTE: Contractor to check and verify
dimensions at job before proceeding with work.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNAGE NOTES

MAMALAHOA HIGHWAY RESURFACING
Kaupulehu to Makalei Road
Project No. 190B-01-09M

Scale: As Noted Date: May 2010

SHEET No. C-31 OF 54 SHEETS