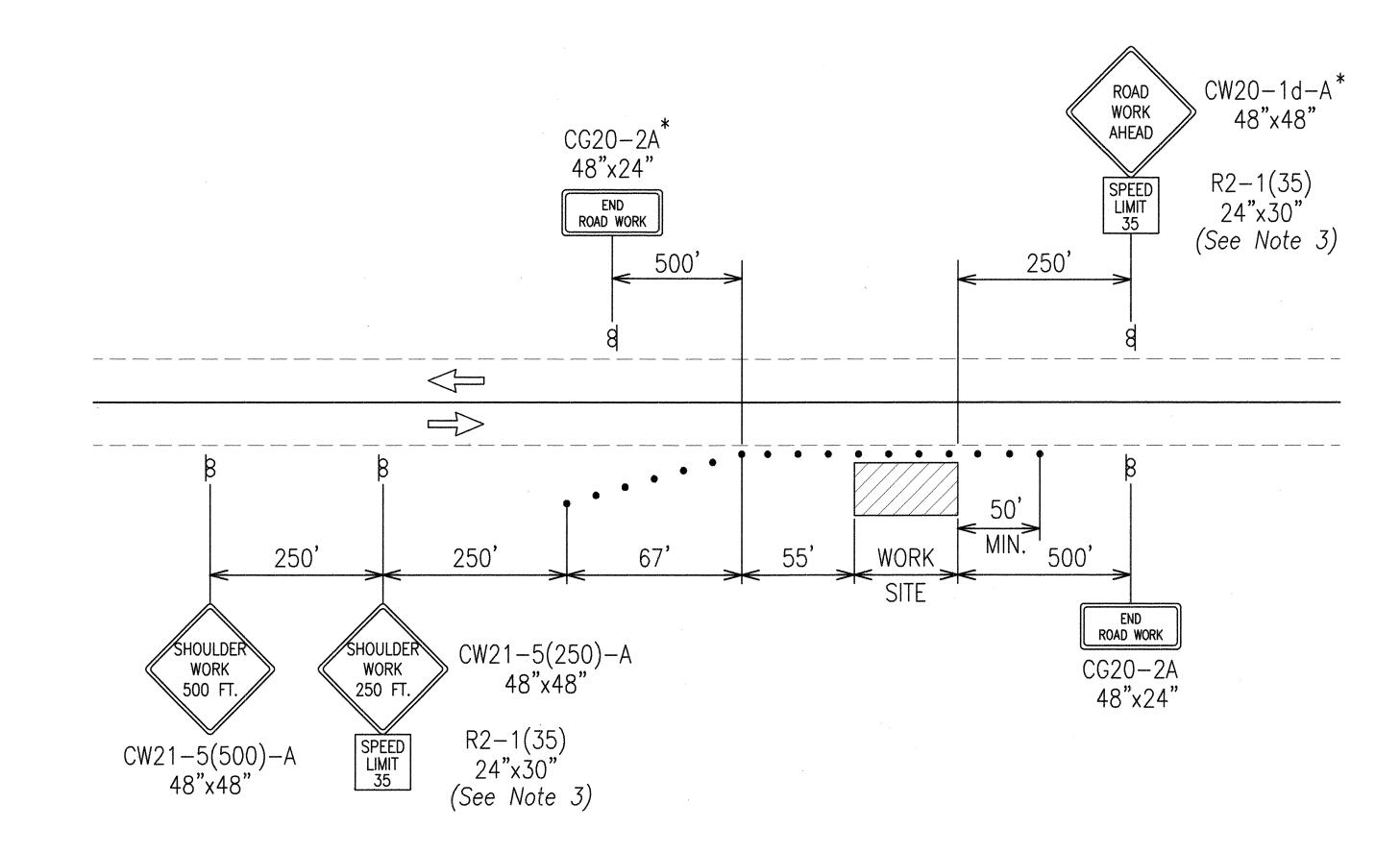
FED.ROAD DIST.NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11M-01-00	2002	44	65

TABLE 1							
ADDITIONAL DIMENSIONS FOR TRAFFIC CONTROL PLANS							
POSTED SPEED LIMIT	SIGN SPACING (D) (FEET)	TAPER LENGTH (T) (FEET)		LONGITUDINAL BUFFER	SPACING OF CONES OR DELINEATORS (FEET)		
(M.P.H.)		W = 12' OR LESS <sup>(1)</sup>	W = GREATER THAN 12' (1)	SPACE (B) (FEET)	TAPER	TANGENT	WORK AREA
20	250	200	W x 17	35	20	20	10
25	250	200	W x 17	55	25	25	10
30	250	250	W x 20	85	30	30	10
35	250	250	W × 20	120	35	35	10
40	500	350	W x 30	170	40	40	10
45	500	550	W x 45	220	45	45	10
50	1000	600	W x 50	280	50	50	10
55	1000	700	W x 55	335	55	55	10



# POSTED SPEED LIMIT 45 MPH WORKING ON SHOULDER OR ROADSIDE

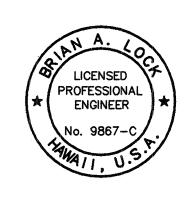
NOT TO SCALE

### NOTES:

- 1. This plan may be used only if all road work, including equipment and workers are off the travel way.
- 2. Sign spacing length (D) and cone or delineator spacing are shown in Table 1.
- 3. Engineer will determine if Advisory Speed Sign is necessary.
- 4. Contractor will provide necessary adjustments to accomodate bicyclists and pedestrians.
- 5. CW20-1d-A sign required for posted speed limit of 45 M.P.H. or greater.
- 6. Signing is not required if the work area, including equipment and workers, is outside the Clear Zone Distance, as specified in the latest AASHTO Roadside Design Guide.

# LEGEND

- Cone or Delineator
- Direction of Traffic
- 8 Sign



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

ENGINEERS SURVEYORS HAWAII, INC.

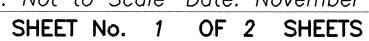
TRAFFIC CONTROL PLAN

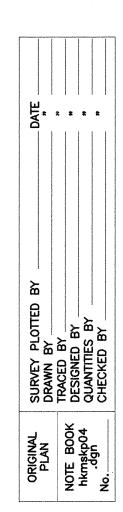
VOLCANO ROAD INTERSECTION IMPROVEMENTS AT HUINA ROAD State Project No. 11M-01-00

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

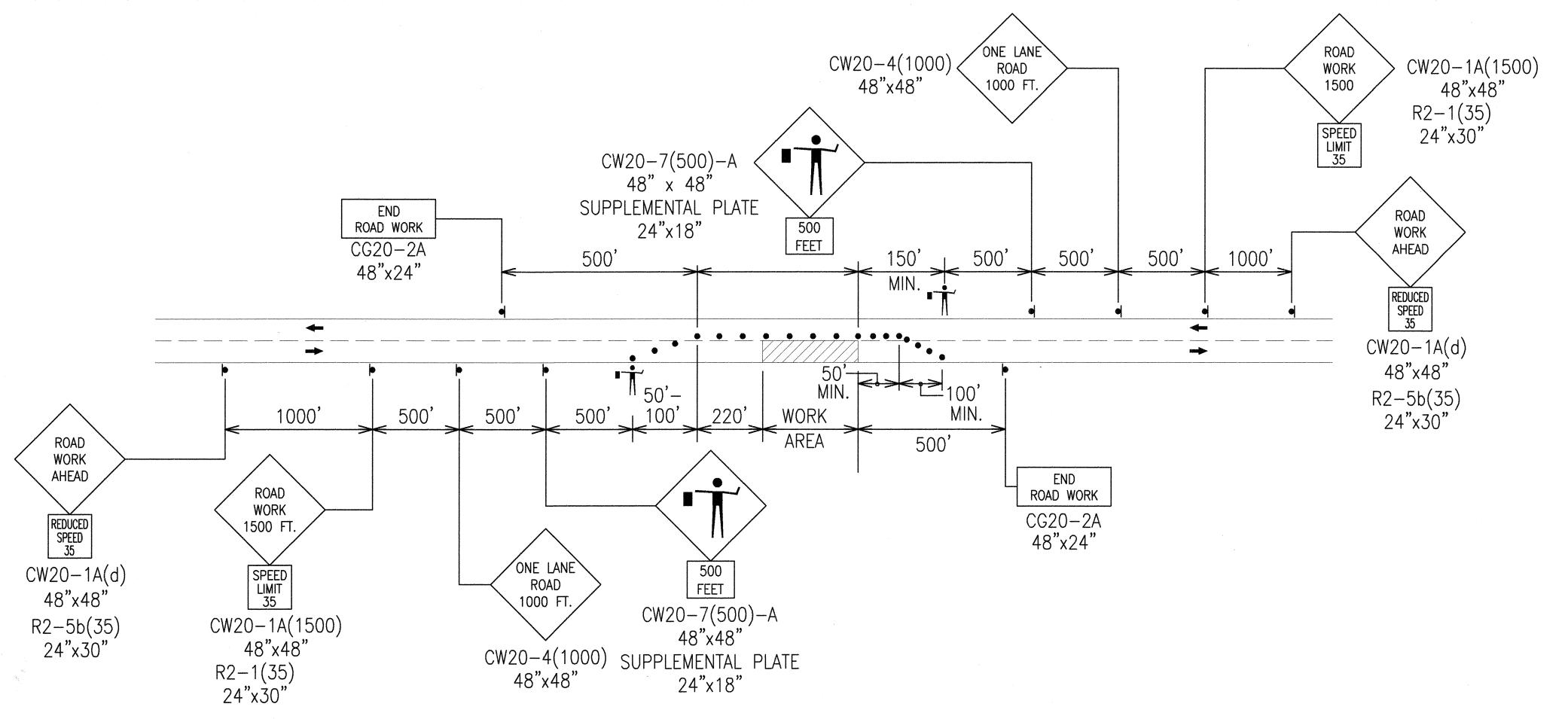
Scale: Not to Scale Date: November 2001





 $<sup>^{(1)}</sup>$  W = WIDTH OF LANE, SHOULDER, OR OFFSET

<sup>\*</sup> Not required for opposing traffic on divided or multi-lane highways.



TRAFFIC CONTROL PLAN

POSTED SPEED LIMIT 45 MPH

TWO-LANE HIGHWAY - ONE LANE CLOSED

NOT TO SCALE

## TRAFFIC CONTROL NOTES:

- 1. Cones or delineators shall be extended to a point where they are visible to approaching traffic.
- 2. Traffic control devices shall be installed such that the sign or device farthest from the work area shall be placed first. The others shall then be placed progressively toward the work area.
- 3. Regulatory and warning signs within the construction zone that are in conflict with the traffic control plans shall be moved or covered.
- 4. Flaggers and/or Police officers shall be in sight of each other or in direct communication at all times.
- 5. All construction warning signs shall be promptly removed or covered whenever the message is not applicable or not in use.
- 6. The backs of all signs used for traffic control shall be appropriately covered to preclude the display of inapplicable sign messages (i.e., when signs have messages on both faces).
- 7. At the end of each day's work or as soon as the work is completed, the permittee shall remove all traffic control devices no longer needed to permit free and safe passage of public traffic. Removal shall be in the reverse order of installation.
- 8. All traffic control devices used for this project shall comply with the "Statewide Guideline for Work Zone Traffic Control Devices" dated September 13, 2000.

## CONSTRUCTION PHASING NOTES:

- 1. Any request for adjustments in sequence of Phasing shall be submitted in writing and approved by the Engineer. The Contractor's attention is directed to Subsection 108.08—Failure to Complete on Time and Liquidated Damages of the Special Provisions.
- 2. Relocation and/or removal of temporary signs, posts and other traffic control devices used for Phasing shall be considered incidental to various contract items.
- 3. Existing conflicting pavement markings shall be removed and temporary markings shall be installed before traffic patterns are changed. After completion of the work, temporary markings shall be removed.
- 4. The Contractor shall periodically wash down signs, delineators and other traffic control devices called for in the Phasing Plans as deemed necessary by the Engineer. This work shall be considered incidental to the various contract items.
- 5. The location of pavement markings, signs, delineators, and cones used in the Phasing shall be as shown on the plans and/or as determined in the field by the Engineer.
- 6. Damages to signs, temporary pavement markings, delineators, barricades, and lamps caused by the public shall be repaired or replaced by the Contractor as soon as possible or as directed by the Engineer. This work shall be paid for under Item No. 645.0200—Police Officers and/or Additional Traffic Control Devices. Damage caused due to the Contractor's action shall be repaired or replaced at the Contractor's expense.
- 7. All traffic control devices used for this project shall comply with the "Statewide Guideline for Work Zone Traffic Control Devices" dated September 13, 2000.

FED.ROAD DIST.NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEET
HAWAII	HAW.	11M-01-00	2002	45	65

#### NOTES:

- 1. CW20-1A(D) sign required for posted speed limit of 45 M.P.H. or greater.
- 2. See Table 1, on Sht. 44, for additional dimensions.
- 3. One lane road (CW20-4) and flagger ahead (CW20-7) signs shall be removed or covered when no work is being performed and lane is not closed.
- 4. The advisory speed (XX) shall be determined by the engineer.

#### LEGEND

- SIGN
- CONE OR DELINEATOR
- DIRECTION OF TRAFFIC
- POLICE OFFICER/FLAGMAN





THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

ENGINEERS SURVEYORS HAWAII, INC.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION

### TRAFFIC CONTROL PLAN

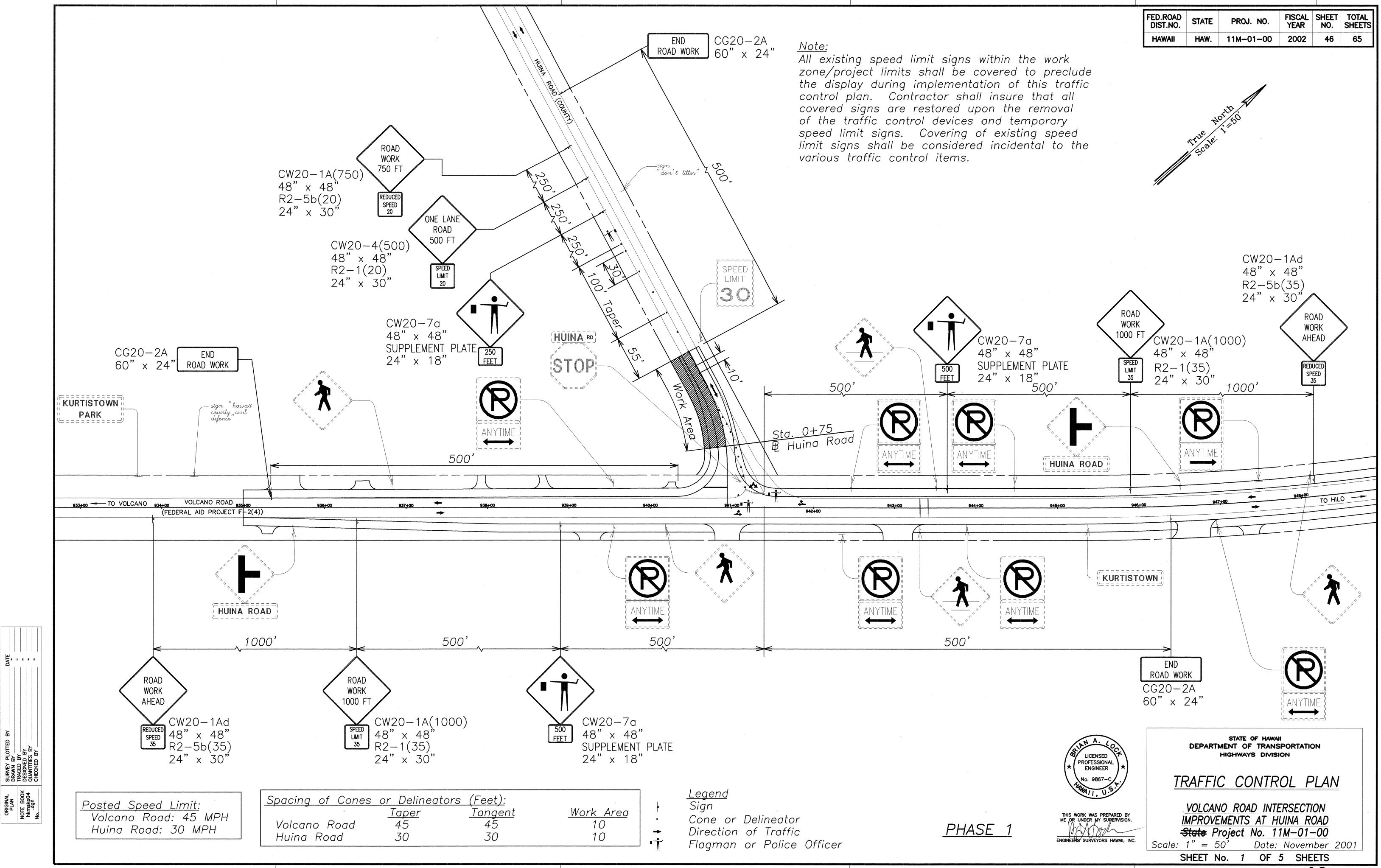
VOLCANO ROAD INTERSECTION IMPROVEMENTS AT HUINA ROAD State Project No. 11M-01-00

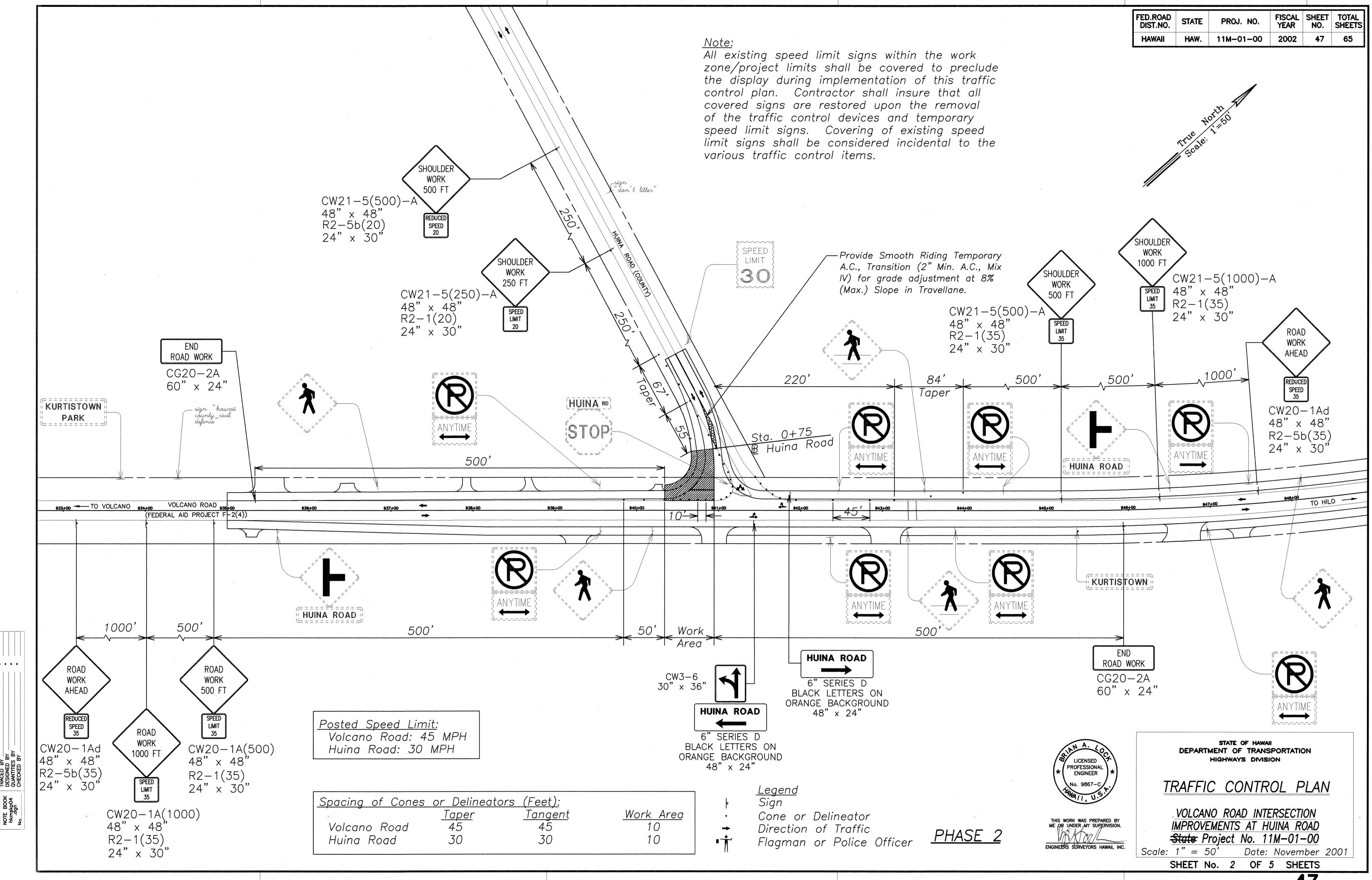
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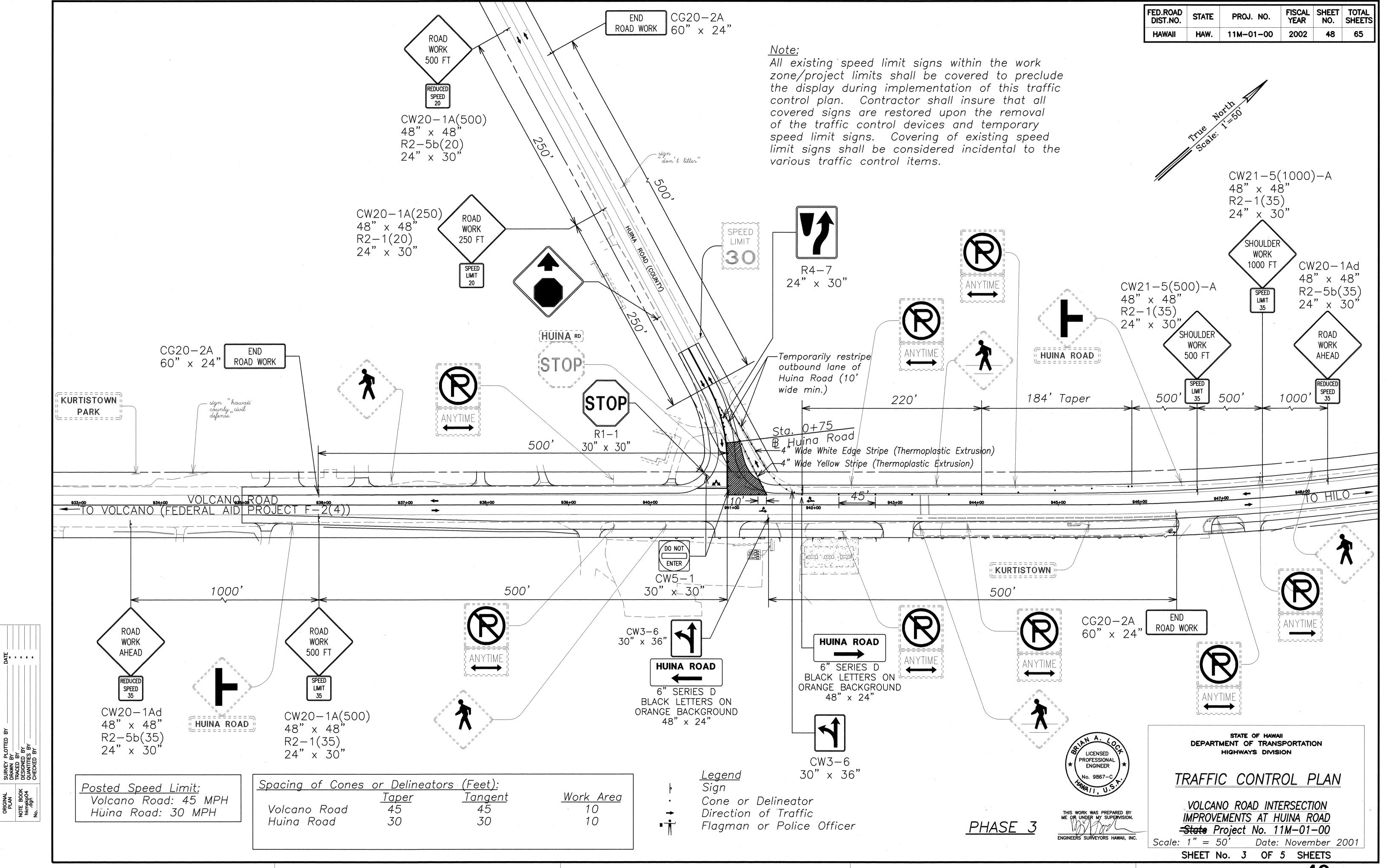
SHEET No. 2 OF 2 SHEETS

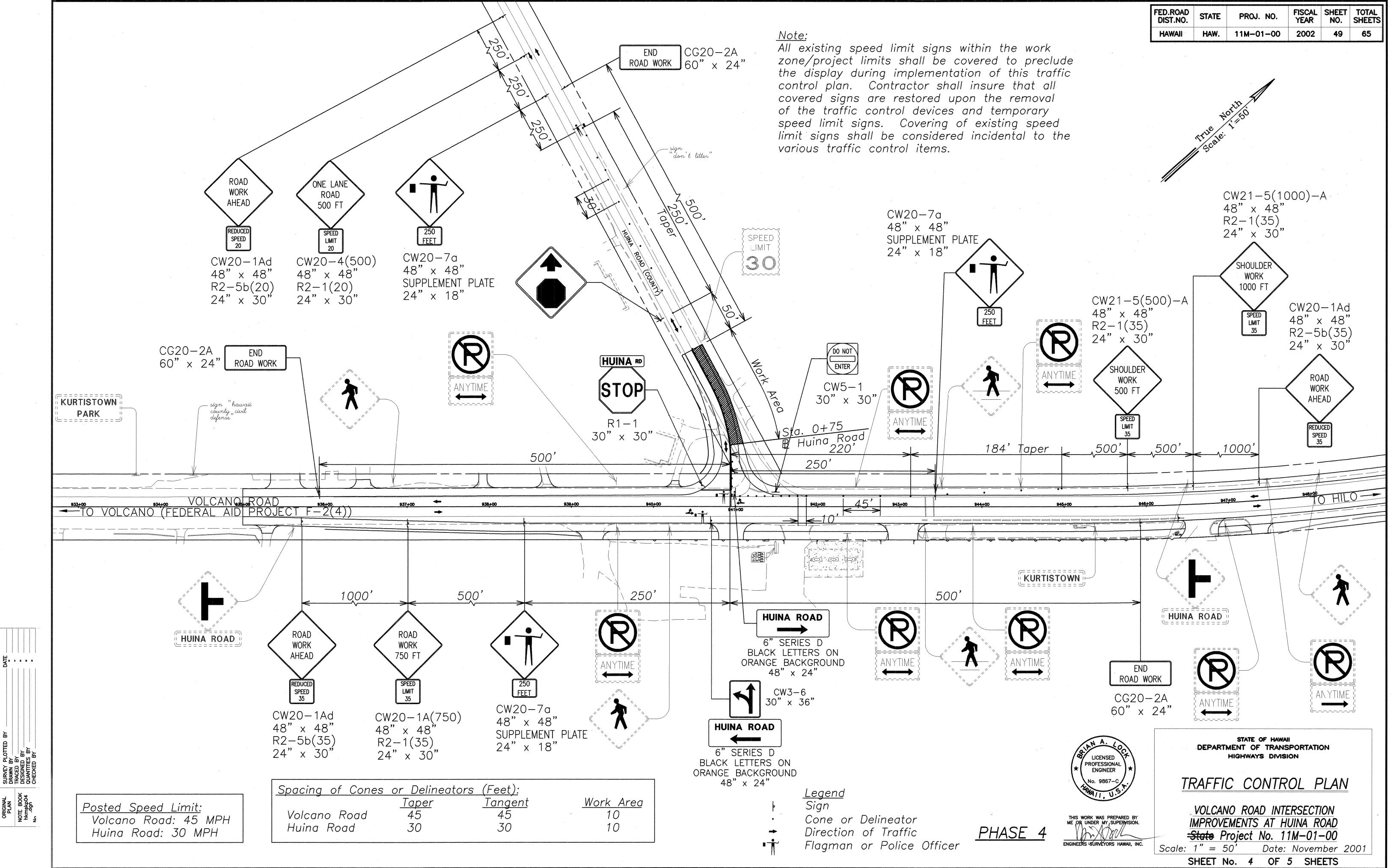
OF 2 SHEET

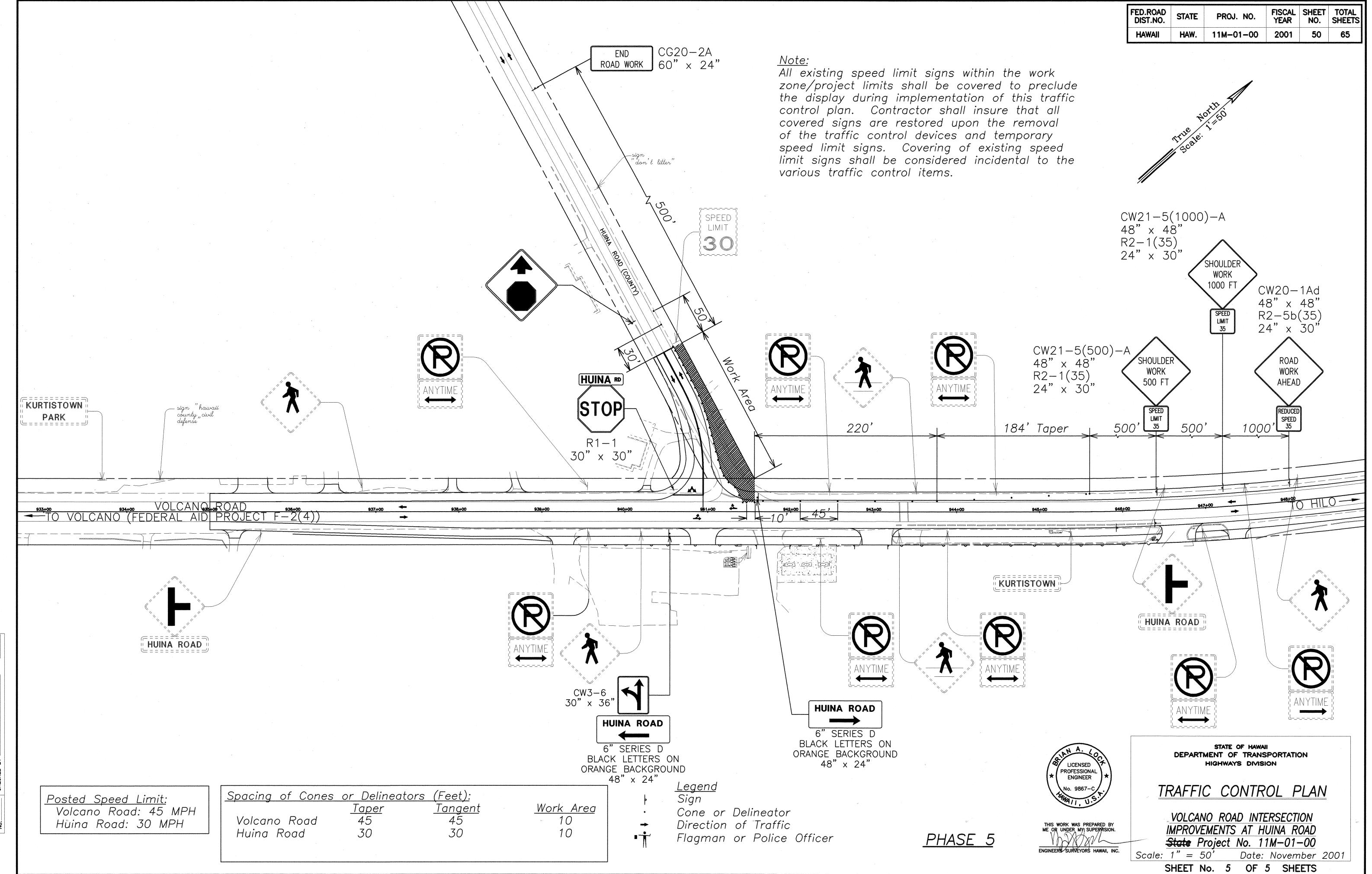












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