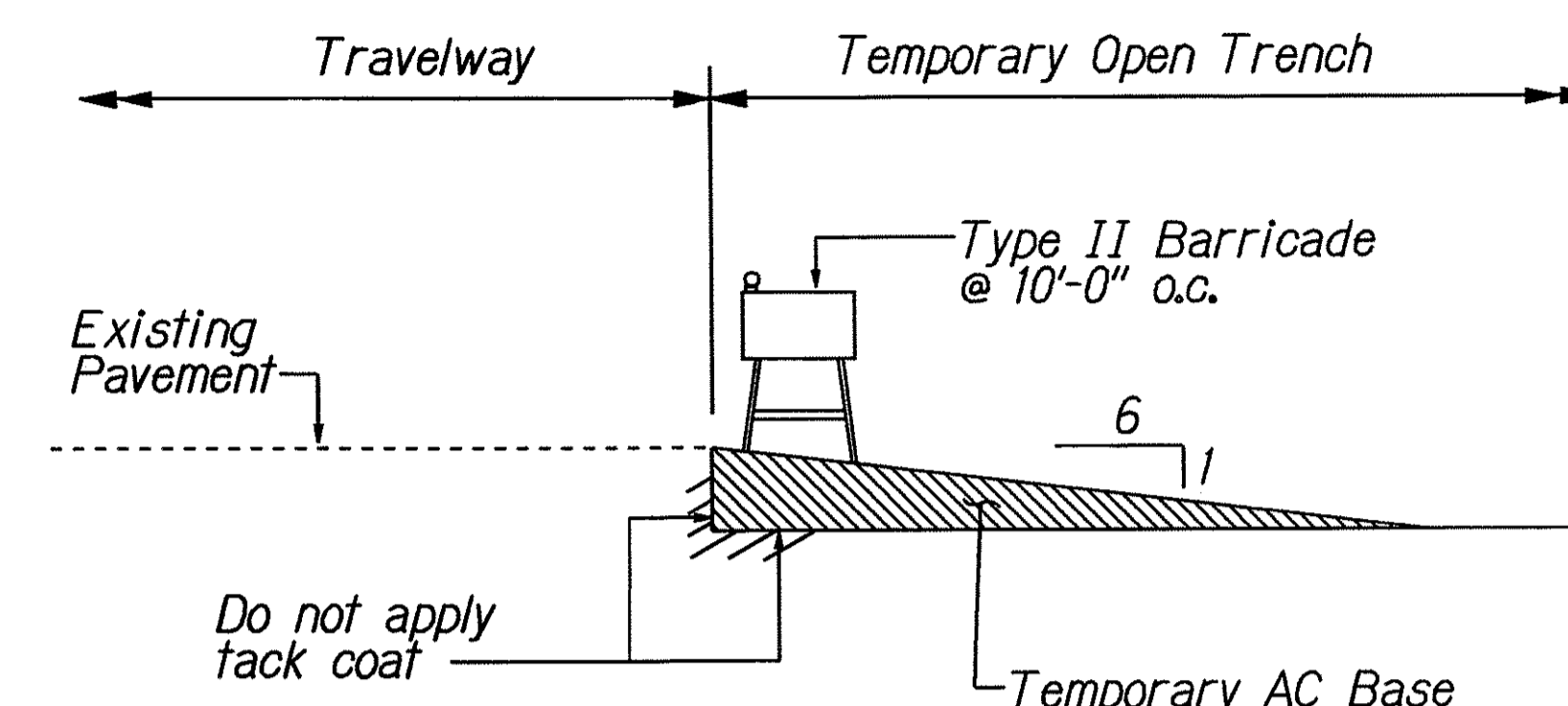


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	19J-01-03	2005	16	17

GENERAL NOTES FOR TRAFFIC CONTROL PLAN

- The Contractor shall submit the Traffic Control Plans to the Engineer for approval. Payment for development and implementation of the Traffic Control Plans shall be considered incidental to the various contract items.
- All lane closures and traffic pattern changes (detours) not shown on the plan shall be submitted to the Engineer for approval in accordance with Specifications Section 645 - Traffic Control. For restrictions on lane closures, detours, construction work during peak hours, and other requirements regarding maintaining vehicular and pedestrian traffic, see Section 107.13 - Public Convenience and Safety, Section 645 - Traffic Control, and Section 104.04 - Maintenance of Traffic.
- Cones or delineators shall be extended to a point where they are visible to approaching traffic.
- 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.
- Flaggers and/or police officers shall be in sight of each other or in direct communications at all times.
- Sign spacings (L), taper lengths (T), and spacings of cones or delineators shall be as shown in Table 1 of Section 645 in the Specifications, unless otherwise noted on the Traffic Control Plans.
- All traffic lanes shall be minimum of 10 feet wide.
- All construction warning signs shall be promptly removed or covered whenever the message is not applicable or not in use.
- The backs of all signs for traffic control shall be appropriately covered to preclude the display of inapplicable sign messages (i.e., when signs have messages on both faces).
- At the end of each day's work or as soon as the work is completed, the Contractor 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.
- Replace permanent pavement markings and traffic signs upon completion of each phase of work.
- Existing conflicting pavement markings shall be removed and temporary pavement markings shall be installed before traffic patterns are changed. After completion of the work, temporary pavement markings shall be removed. Payment for removal of existing pavement markings and furnishing, installing, and removal of temporary pavement markings, whether or not shown on the Traffic Control Plans shall be considered incidental to the various contract items.
- The locations of pavement markings, signs, and delineators used in the Traffic Control shall be as shown on the Plans and/or as determined in the field by the Engineer.
- During working and non-working hours, the Contractor shall furnish, install, and maintain Type II Barricades at 10' spacing in new and existing pavement areas closed to public vehicles.

- The Contractor shall provide sand bags or other accepted weights for the Type II Barricades, when used. The Contractor shall provide steady burn amber lamps during hours of darkness. The lamps shall be attached on the Type II Barricade end closest to the traveled way. The lamp should be visible to the motorist. Payment for Type II Barricades with amber lamps shall be considered incidental to the various contract items.
- Contractor shall maintain access to adjacent properties at all times.
- Cones and signs for night work shall be retroreflective.
- The Contractor shall limit the extent of trench and excavation work for pavement reconstruction to an area that can be satisfactorily backfilled in one work day.
- The Contractor shall provide a transition taper during non-construction hours for open trenches adjacent to the travelway. See Transition Taper Detail on this sheet.
- Steel plates for covering trenches shall have a skid resistant surface. Payment for steel plates shall be considered incidental to the various contract items.
- Any existing guardrail installations, bridge end post connections, and guardrail terminal end sections removed or otherwise disturbed by the Contractor during the course of his work in the area shall be properly restored at the end of each workday. Restoration of existing guardrail installations, bridge end post connections, and guardrail end sections shall be considered incidental to the various contract items.
- No section of incomplete guardrail, footing and/or excavation shall be left unshielded at the end of each workday. Open sections shall be shielded by portable physical barriers and inertial barrel end treatments. Furnishing, placing, maintaining, relocating and removal of physical barriers and inertial barrel end treatments shall be considered incidental to the various contract items.
- During working hours, open sections shall be delineated by placing Type II barricades with flashers @ 10' o.c. Furnishing, placing and maintaining barricades shall be considered incidental to other contract items.
- Typical inertial barrier layout will vary based on speed and manufacturer of system used. Installation shall conform to Manufacturer's recommendations and Roadside Design Guide. Furnishing, installing, maintaining, and removing inertial barriers shall be considered incidental to the various contract items.



NOTE:
Contractor shall install & maintain appropriate construction warning signs. Payment for furnishing, installing and removing construction warning signs shall be considered incidental to the various contract items.

(Remove prior to pavement construction) Payment for construction and removal of Temporary AC Base shall be considered incidental to the various contract items.

TRANSITION TAPER
Not to Scale

ORIGINAL PLAN	DATE	
SURVEY PLOTTED BY		
TRACED BY		
DESIGNED BY		
QUANTITIES BY		
CHECKED BY		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

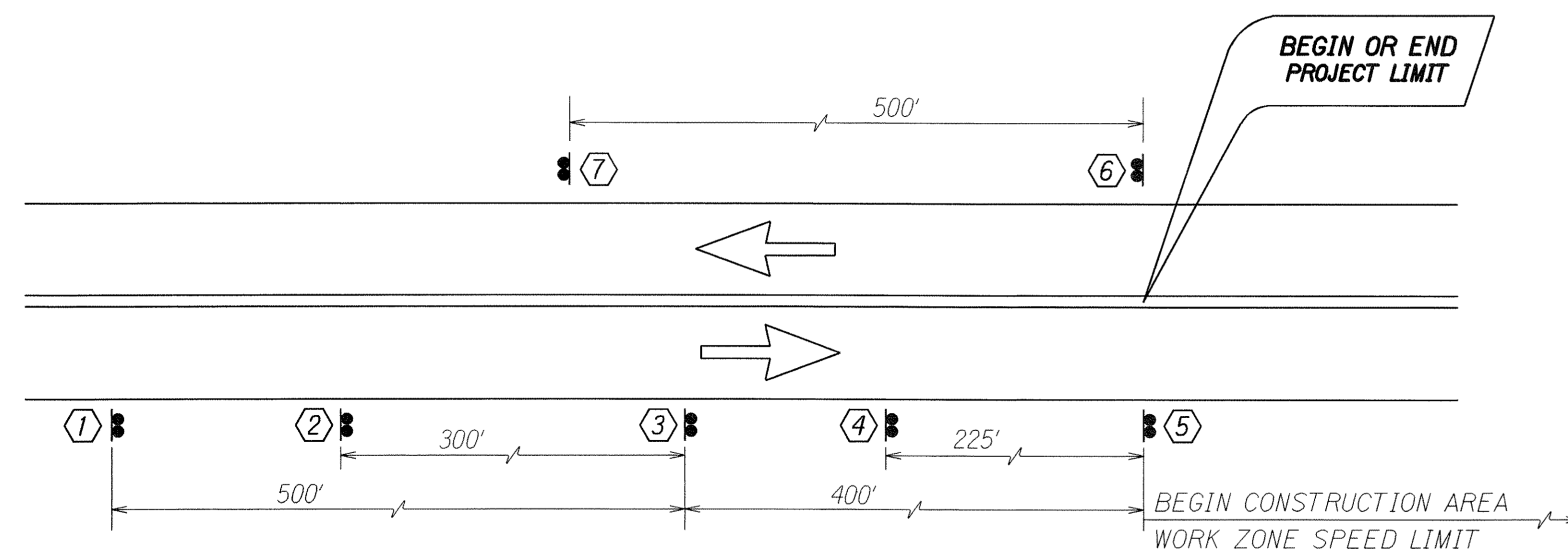
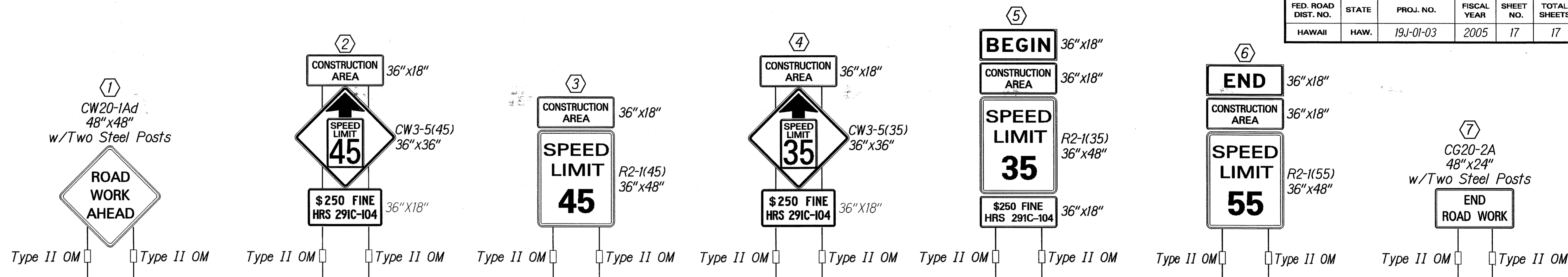
TRAFFIC CONTROL NOTES & LEGEND

HAWAII BELT ROAD MISCELLANEOUS DRAINAGE IMPROVEMENTS
Vicinity of Honolulu Bridge
Project No. 19J-01-03

Not to Scale Date: August 2004

SHEET No. 71 OF 2 SHEETS

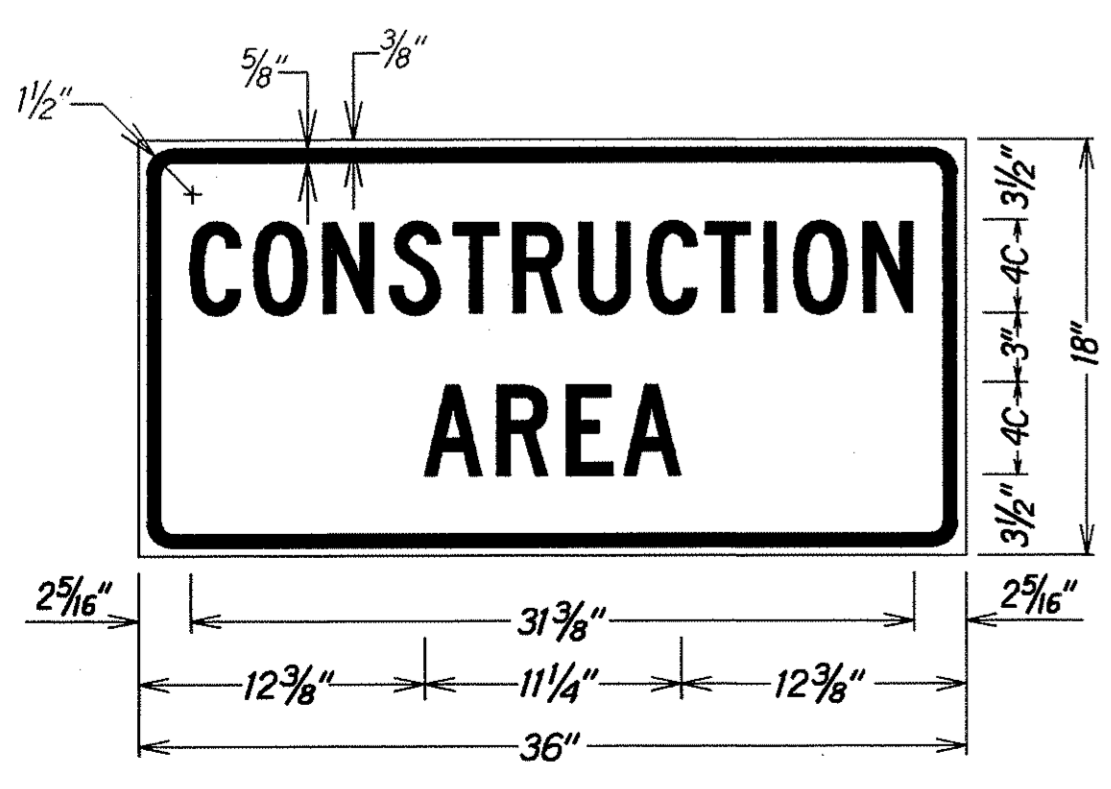
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	19J-01-03	2005	17	17



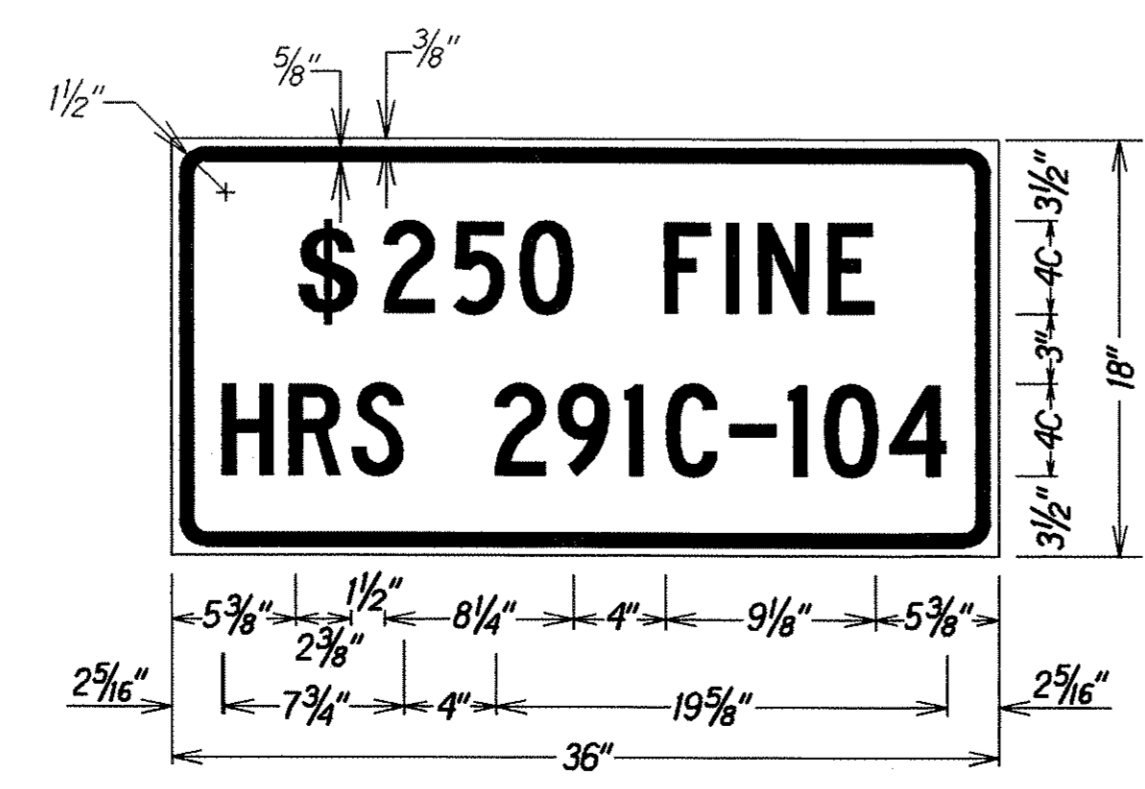
Work Zone Notes:

1. This Work Zone Sign Plan is intended for use on long-term stationary work zones/construction phases (3 days or more). All work zones or construction phases less than 3 days duration will use Traffic Control Plans shown in Section 645 of the Special Provisions.
2. All existing regulatory speed limit signs with posts within the work zone/project limits shall be removed and replaced with work zone speed limit sign assemblies (R2-1(XX) and W3-5a(XX) with "CONSTRUCTION AREA" and "\$250 FINE HRS 291C-104" Supplemental Signs).
3. Construction sign assemblies shall be installed on both the approaching and trailing ends of each work zone as shown on this plan.
4. Each construction warning sign and work zone speed limit assembly shall have a minimum of two (2) Type II OM. Installation of each Type II OM shall be considered incidental to Item No. 621.7100, Construction Sign with Posts.
5. Upon the completion of all physical work or as directed by the Engineer, all construction signs and work zone speed limit assemblies shall be removed. All speed limit signs and posts that were existing at the start of the project within the work zone/project limits shall be restored back to their original locations and configurations.
6. Placement of construction signs shall not obstruct the path of pedestrians and bicyclists.
7. The removal and restoration of existing regulatory speed limit signs shall be considered incidental to Item No. 621.7100, Construction Sign with Posts.
8. The fabrication and initial installation of work zone speed limit sign assemblies shall be paid for under Item No. 621.7100, Construction Sign with Posts.
9. The subsequent relocation, maintenance and removal of work zone speed limit sign assemblies shall be considered incidental to Item No. 621.7100, Construction Sign with Posts.
10. The work zone speed limit signs shall be new and become property of the Contractor at completion of project.

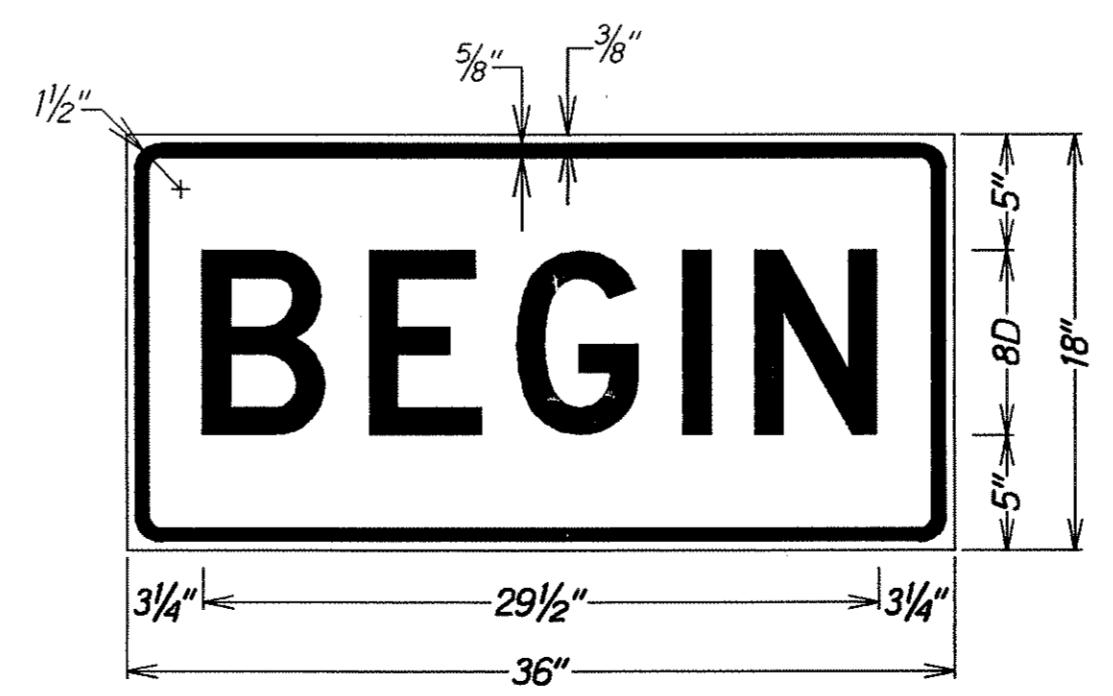
SURVEY PLOTTED BY	DATE
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NOTE BOOK	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
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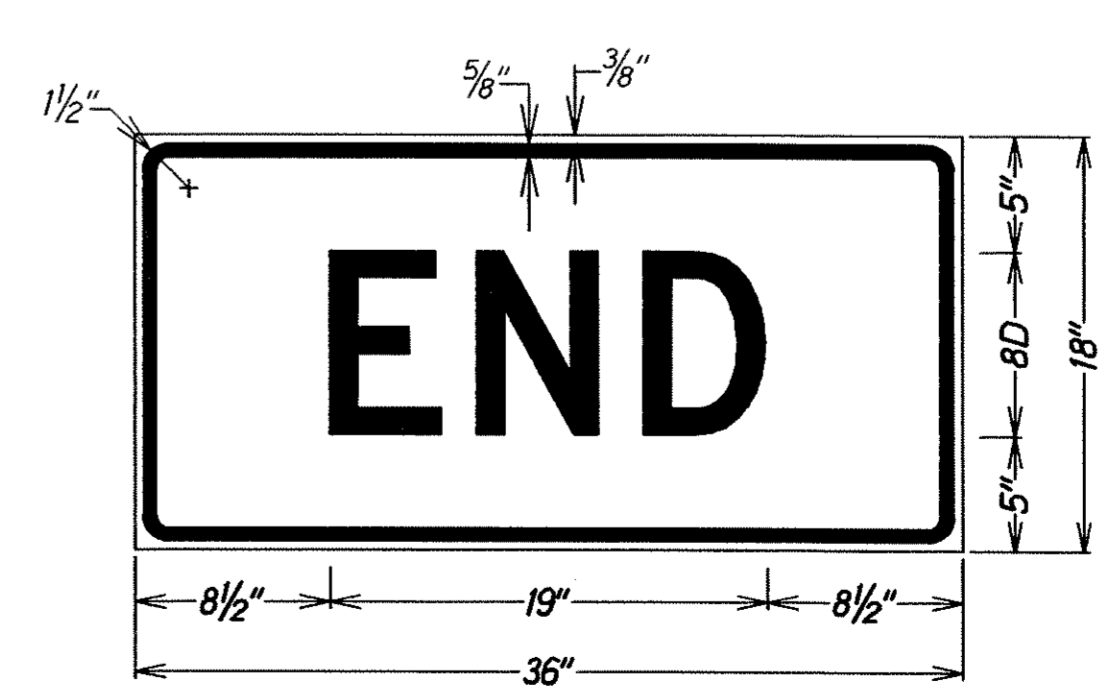
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LEGEND: BLACK BACKGROUND: ORANGE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION SIGN PLAN
HAWAII BELT ROAD MISCELLANEOUS
DRAINAGE IMPROVEMENTS
Vicinity of Hanalei Bridge
Project No. 19J-01-03
Not to Scale Date: August 2004

SHEET No. T2 OF 2 SHEETS