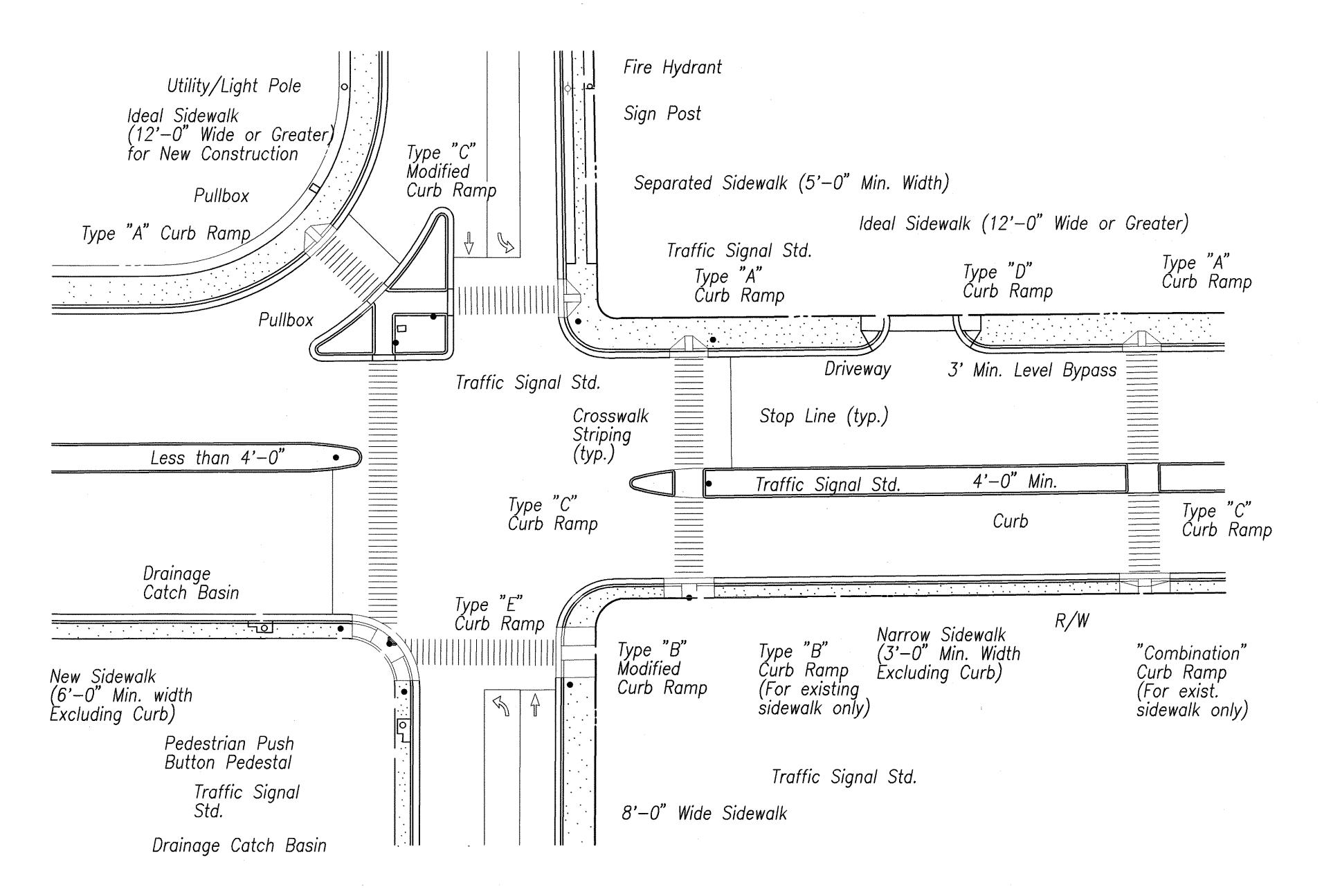
FED. ROAD STATE SHEET TOTAL NO. SHEETS FISCAL YEAR FED. AID PROJ. NO. HAW. 2004 CMAQ-0300(96)



TYPICAL CURB RAMPS



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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

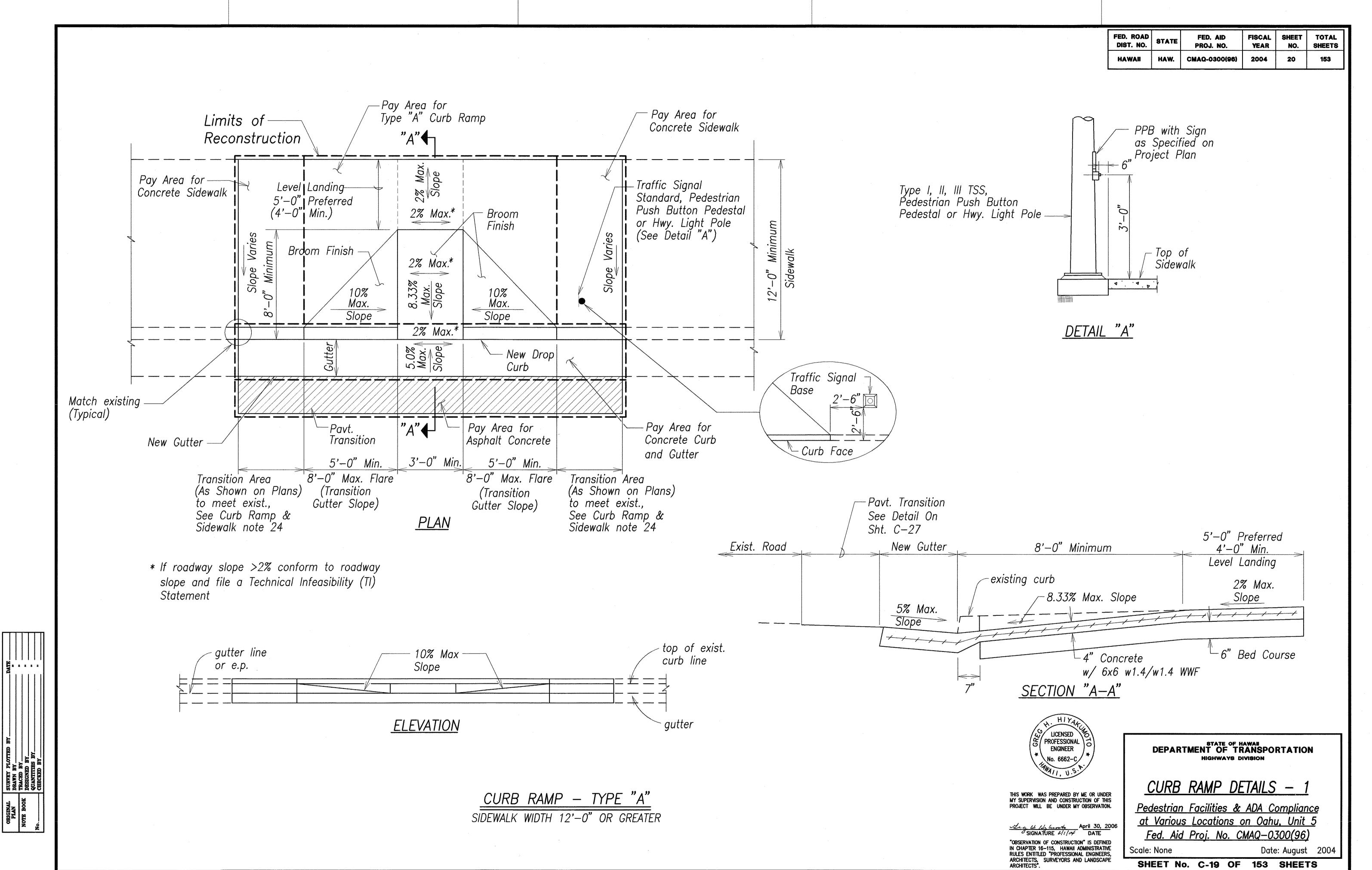
TYPICAL CURB RAMP LAYOUT

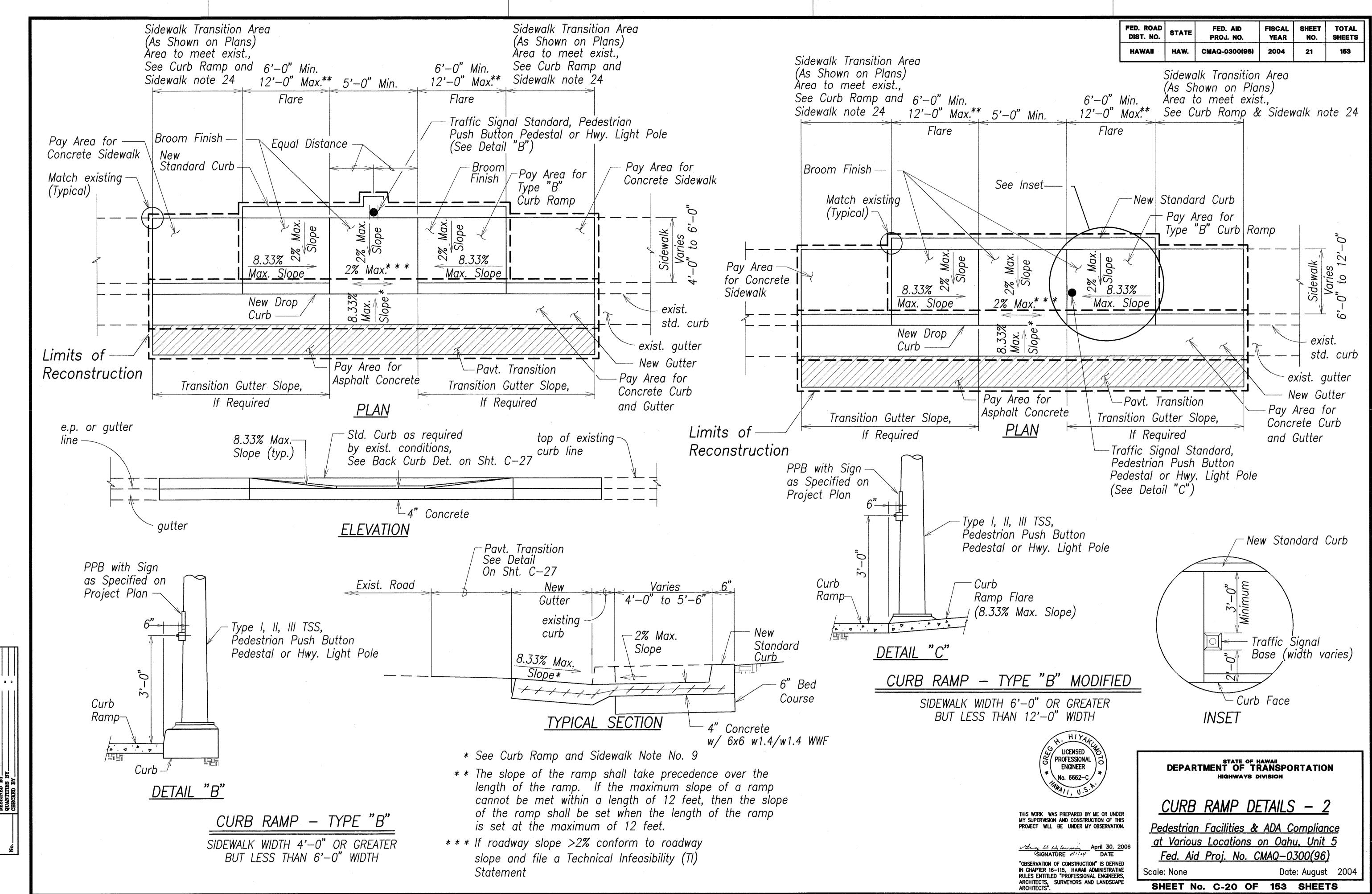
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 5 Fed. Aid Proj. No. CMAQ-0300(96)

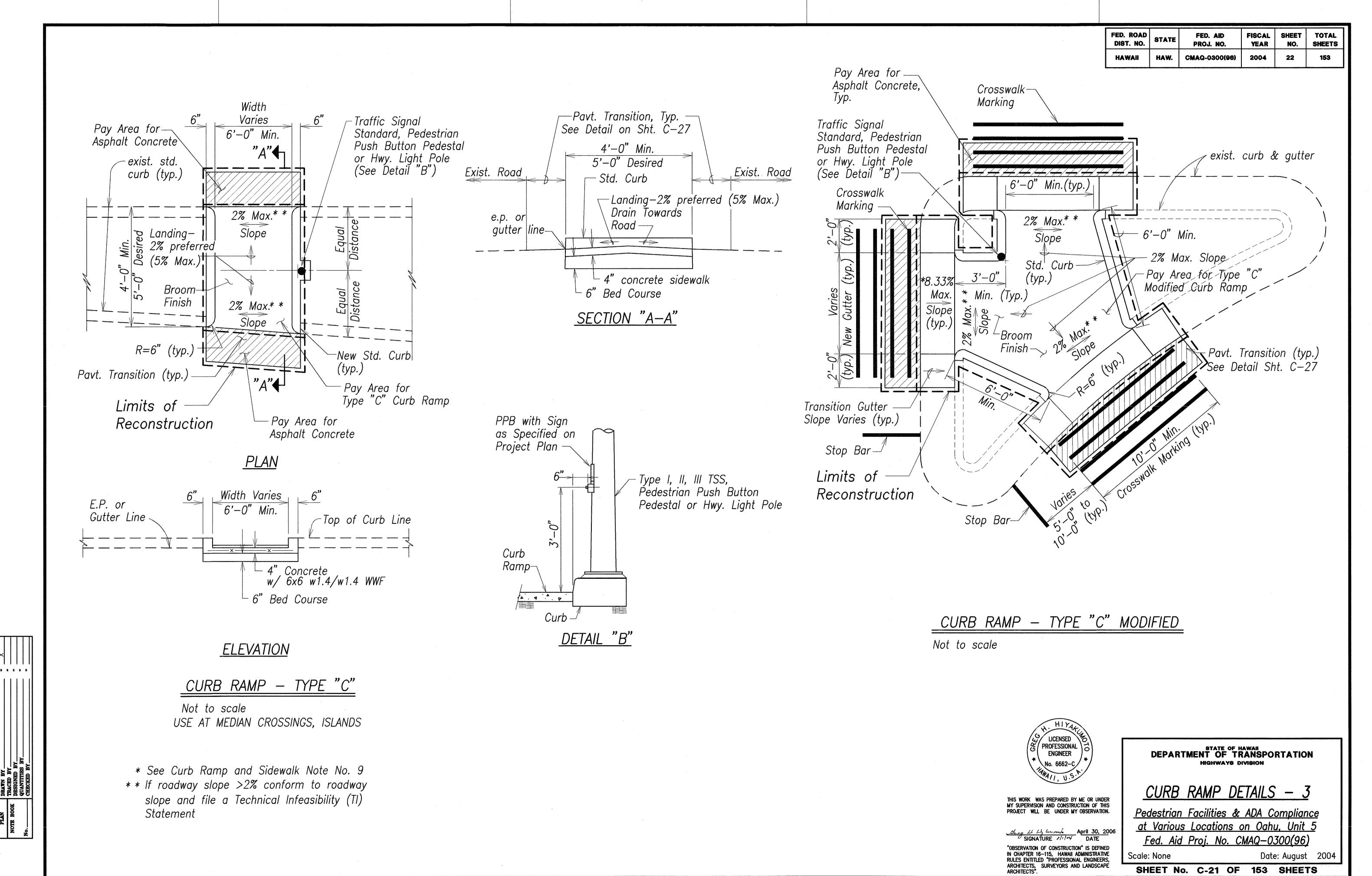
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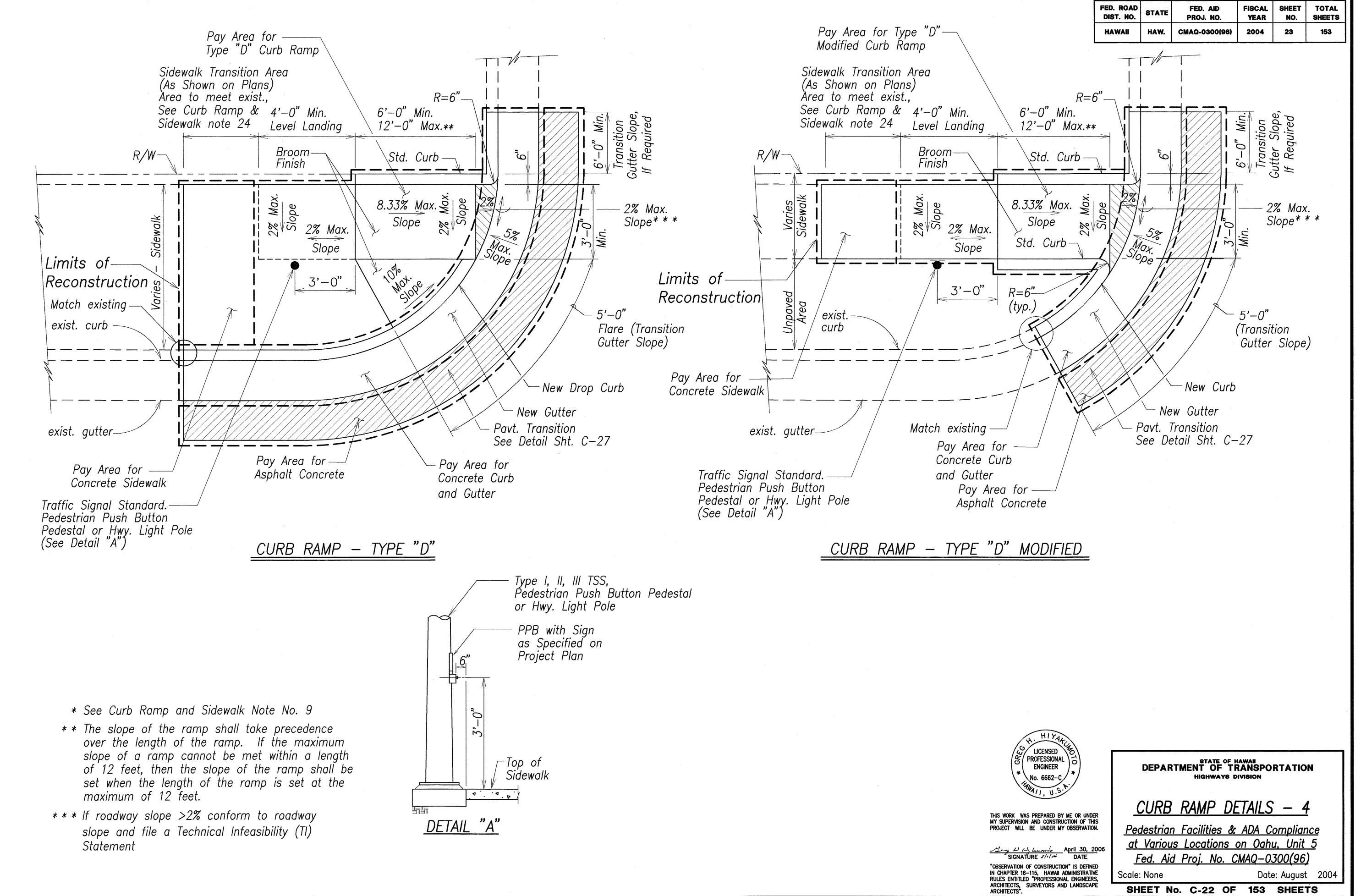
Date: August 2004

SHEET No. C-18 OF 153 SHEETS





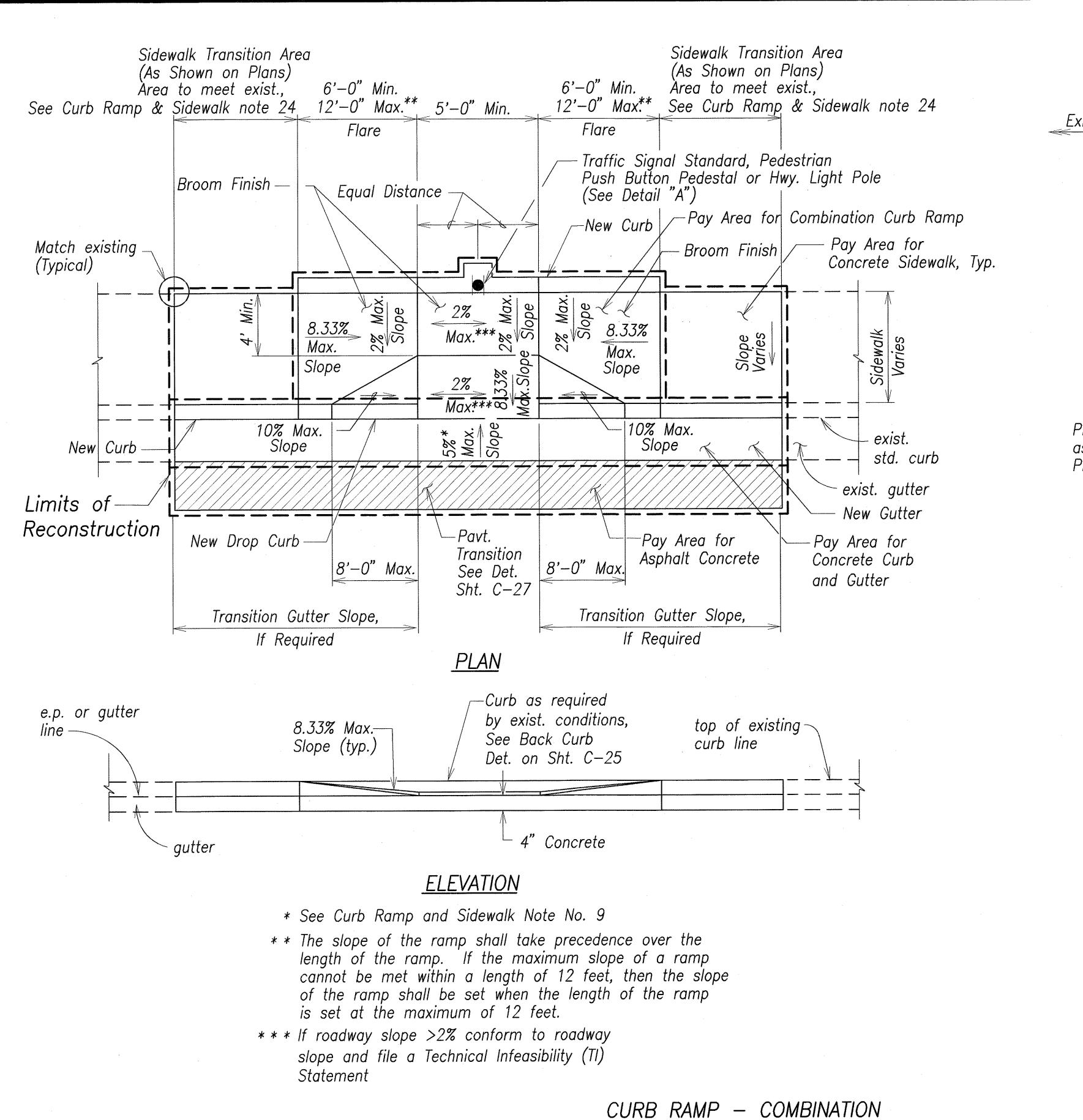




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SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY

ORIGINAL PLAN NOTE BOOK No.



V

 SURVEY PLOTTED BY
 DAT

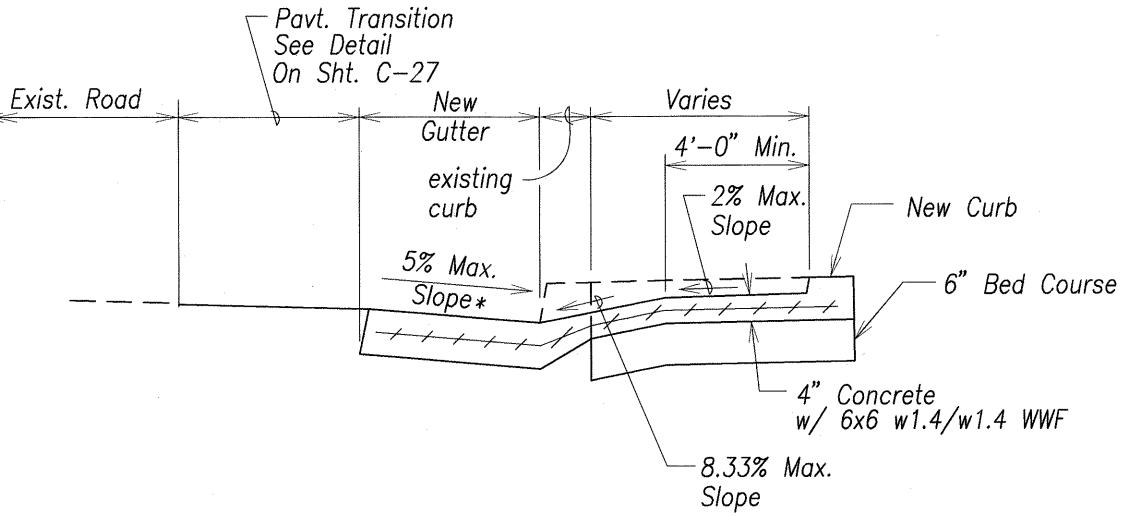
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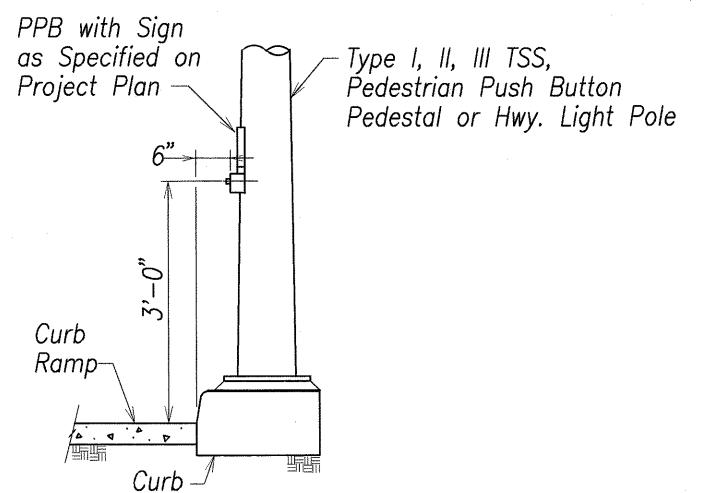
 QUANTITIES BY
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 CHECKED BY
 *

FISCAL SHEET NO. FED. ROAD DIST. NO. FED. AID PROJ. NO. TOTAL SHEETS HAW. CMAQ-0300(96) 2004 24



TYPICAL SECTION



DETAIL "A"



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SIGNATURE 1/1/04 April 30, 2006
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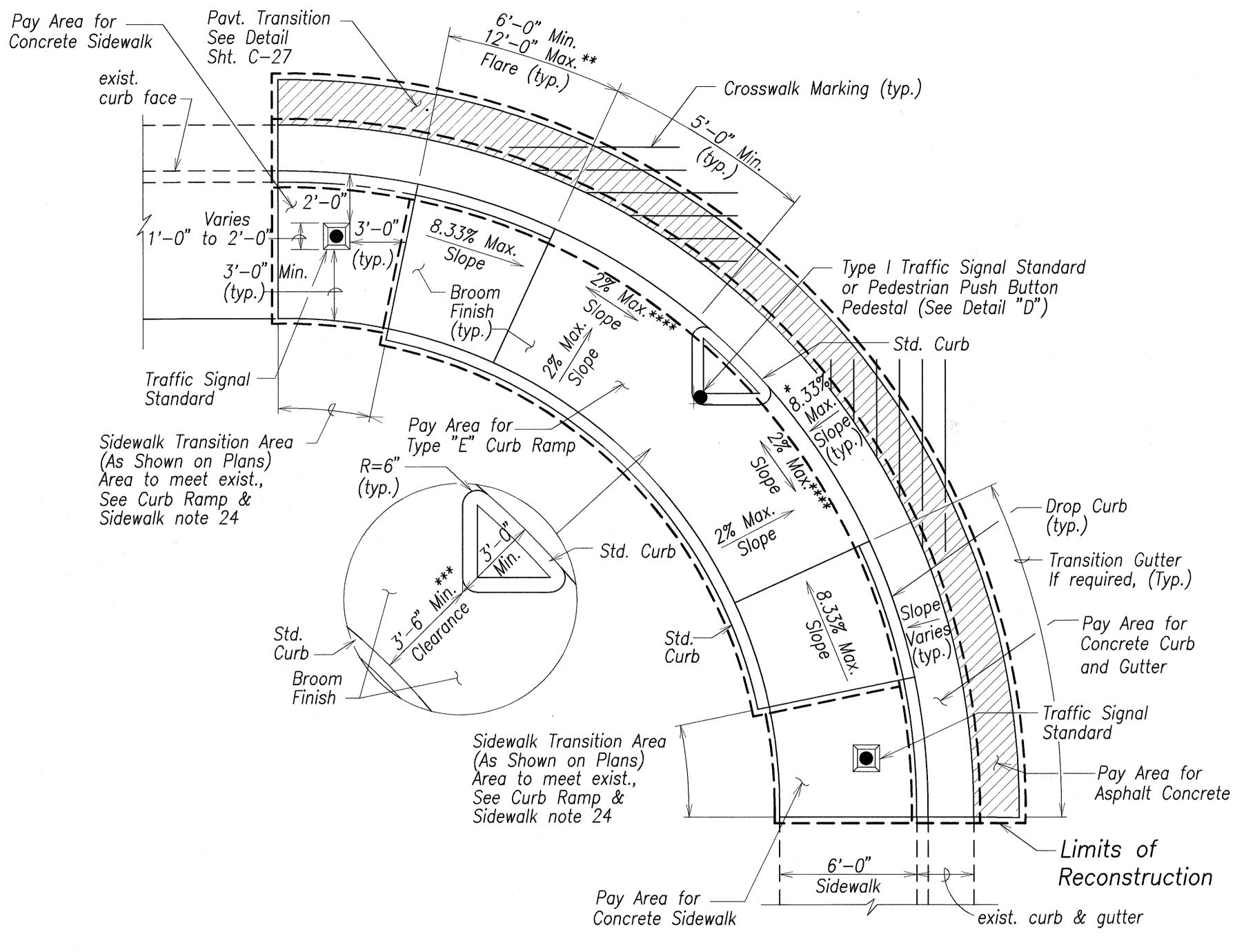
CURB RAMP DETAILS - 5

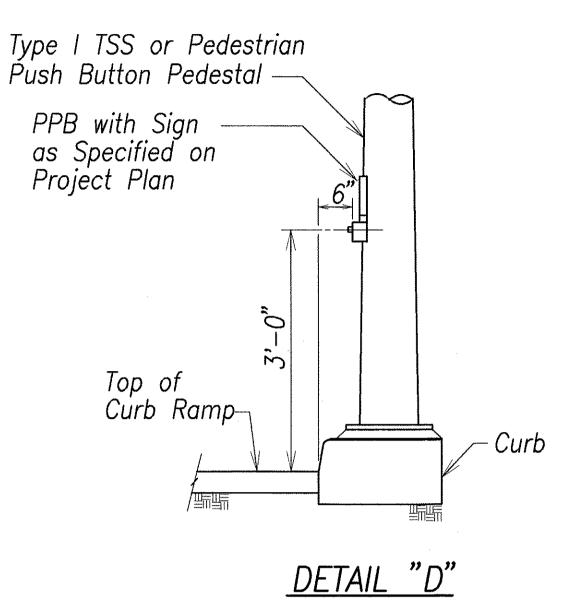
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 5 Fed. Aid Proj. No. CMAQ-0300(96)

Date: August 2004 Scale: None

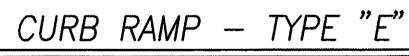
SHEET No. C-23 OF 153 SHEETS

FED. ROAD	STATE	FED. AID	FISCAL	SHEET	TOTAL
DIST. NO.		PROJ. NO.	YEAR	NO.	SHEETS
HAWAII	HAW.	CMAQ-0300(96)	2004	25	153





- * See Curb Ramp and Sidewalk Note No. 9 Sht. C-5
- * * The slope of the ramp shall take precedence over the length of the ramp. If the maximum slope of a ramp cannot be met within a length of 12 feet, then the slope of the ramp shall be set when the length of the ramp is set at the maximum of 12 feet.
- *** The Clearance shall be increased to 6'-0" or wider at areas with high pedestrian traffic or as directed by the Engineer or as shown on the plans.
- **** If roadway slope is >2% conform to roadway slope and file Technical Infeasibility (TI) Statement.



SIDEWALK WIDTH 7'-0" OR GREATER

(TO BE USED ONLY WITH TRAFFIC SIGNAL STANDARD OR PEDESTRIAN PUSH BUTTON PEDESTAL ON TRIANGULAR "ISLAND")



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RULES ENTITLED "PROFESSIONAL ENGINEERS,
ARCHITECTS, SURVEYORS AND LANDSCAPE
ARCHITECTS".

DEPARTMENT OF TRANSPORTATION

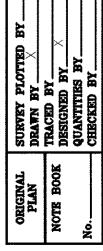
CURB RAMP DETAILS - 6

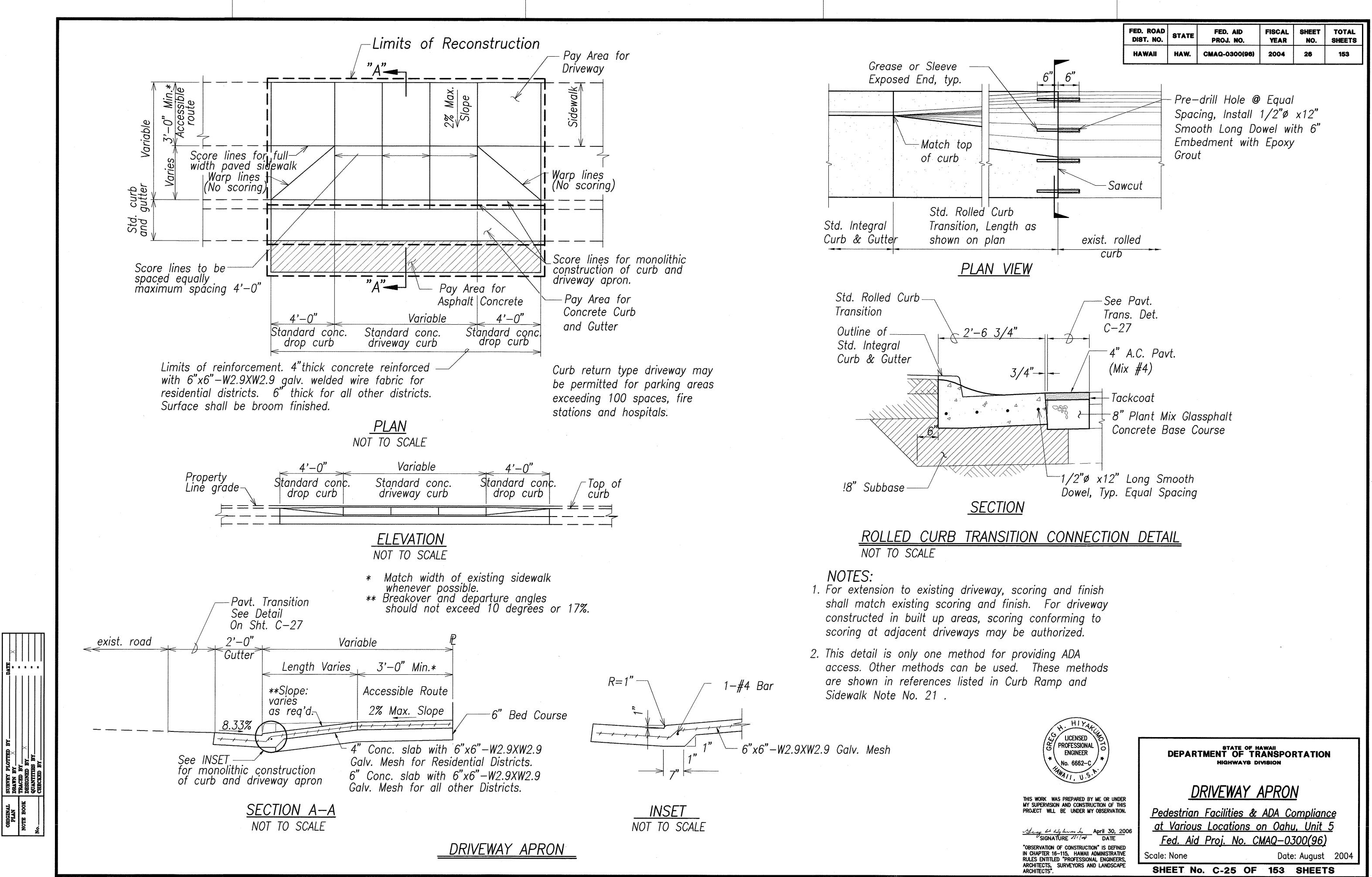
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 5 Fed. Aid Proj. No. CMAQ-0300(96)

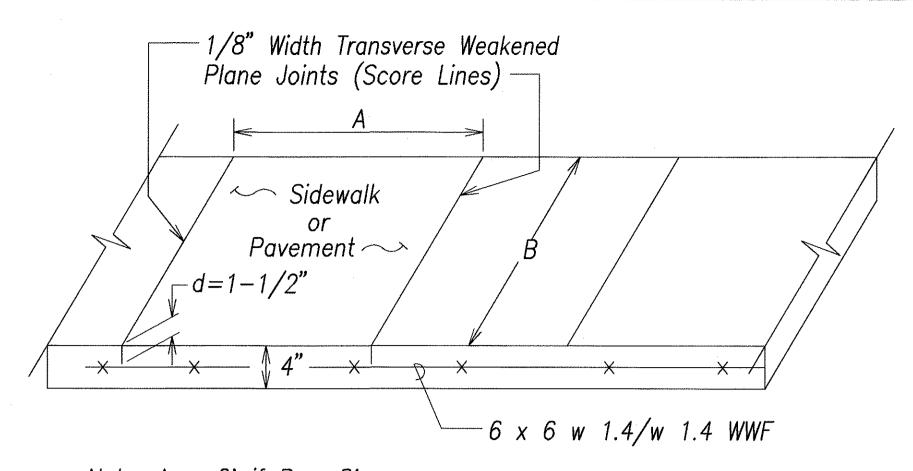
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Date: August 2004

SHEET No. C-24 OF 153 SHEETS





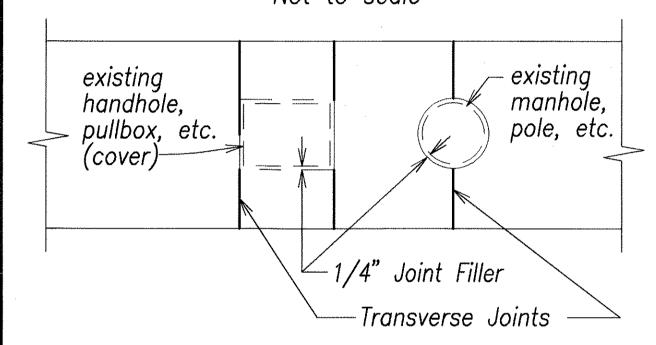


Note: A = 6' if $B \le 8$ '.

If B > 8', Add Longitudinal Joint

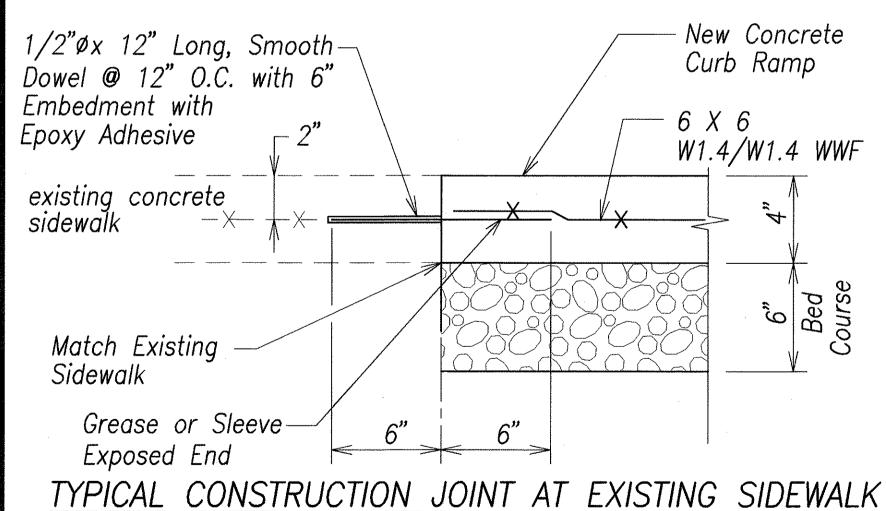
SIDEWALK SCORE LINE DETAIL

Not to scale



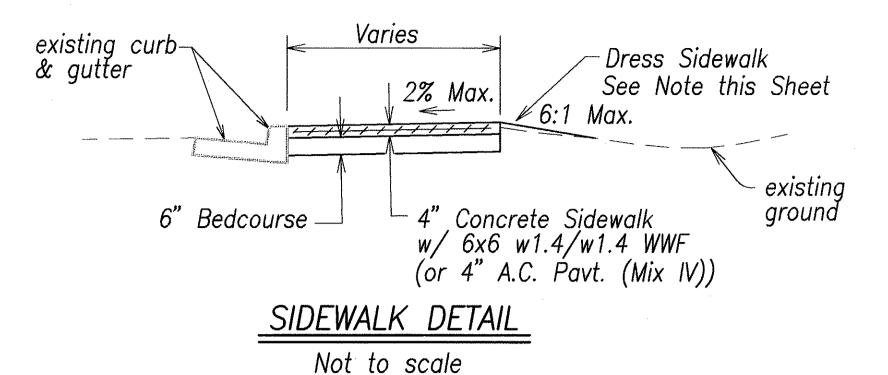
SIDEWALK ISOLATION JOINT DETAIL

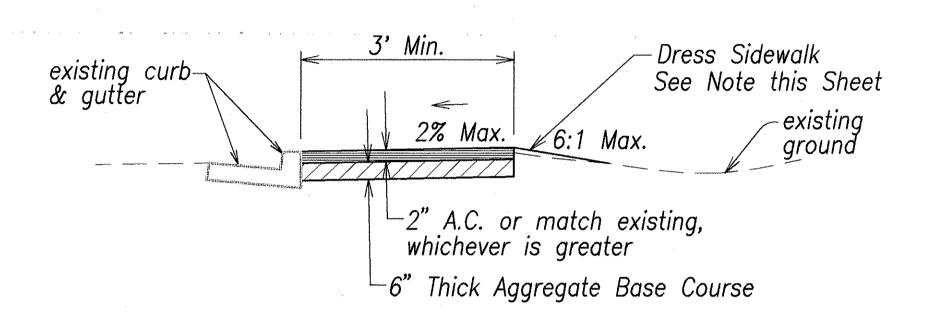
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CTION JOINT AT EXISTING SIDEWALK

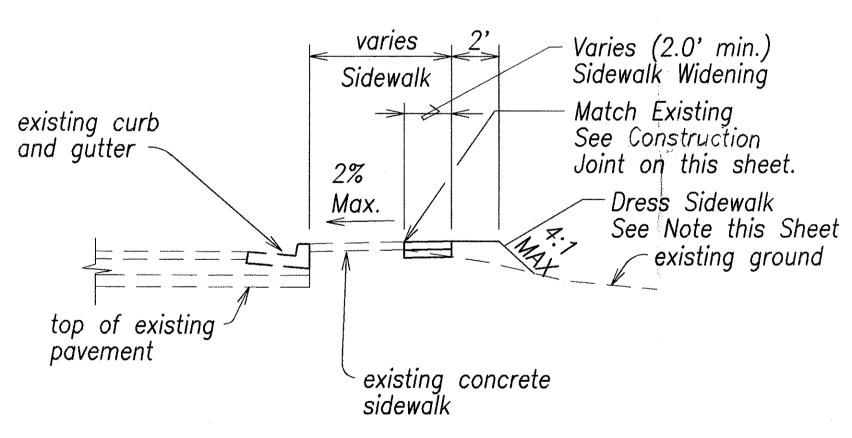
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A.C. SIDEWALK DETAIL

Not to scale



SIDEWALK WIDENING SECTION

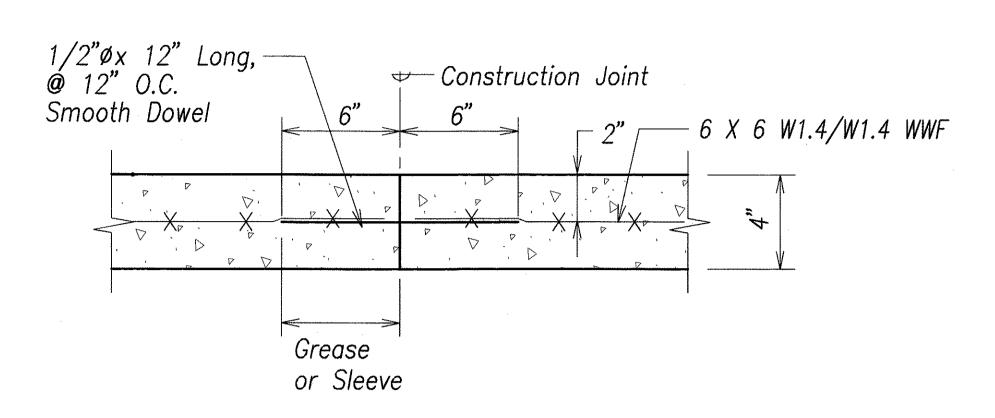
Not to scale

NOTES:

- 1. Dressing of sidewalk shall consist of clearing, grubbing, grading, reshaping and compacting the area adjacent to the improvement with suitable material as shown on the plans and/or as directed by the Engineer. If existing ground is asphalt or concrete surface, dress sidewalk with A.C. pavement, Mix No. IV. This work shall be considered incidental to the new sidewalk.
- 2. Transverse and longitudinal weakened Plane Joints for sidewalk shall be considered incidental to the New Sidewalk.
- 3. Installation of dowels and tie bars including drilling, and epoxy grout shall be incidental to Sidewalk.

FED. ROAD DIST. NO. STATE FED. AID PROJ. NO. FISCAL SHEET NO. SHEETS

HAWAII HAW. CMAQ-0300(96) 2004 27 153



TRANSVERSE CONSTRUCTION JOINT DETAIL

Not to scale



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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

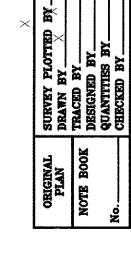
SIDEWALK DETAILS

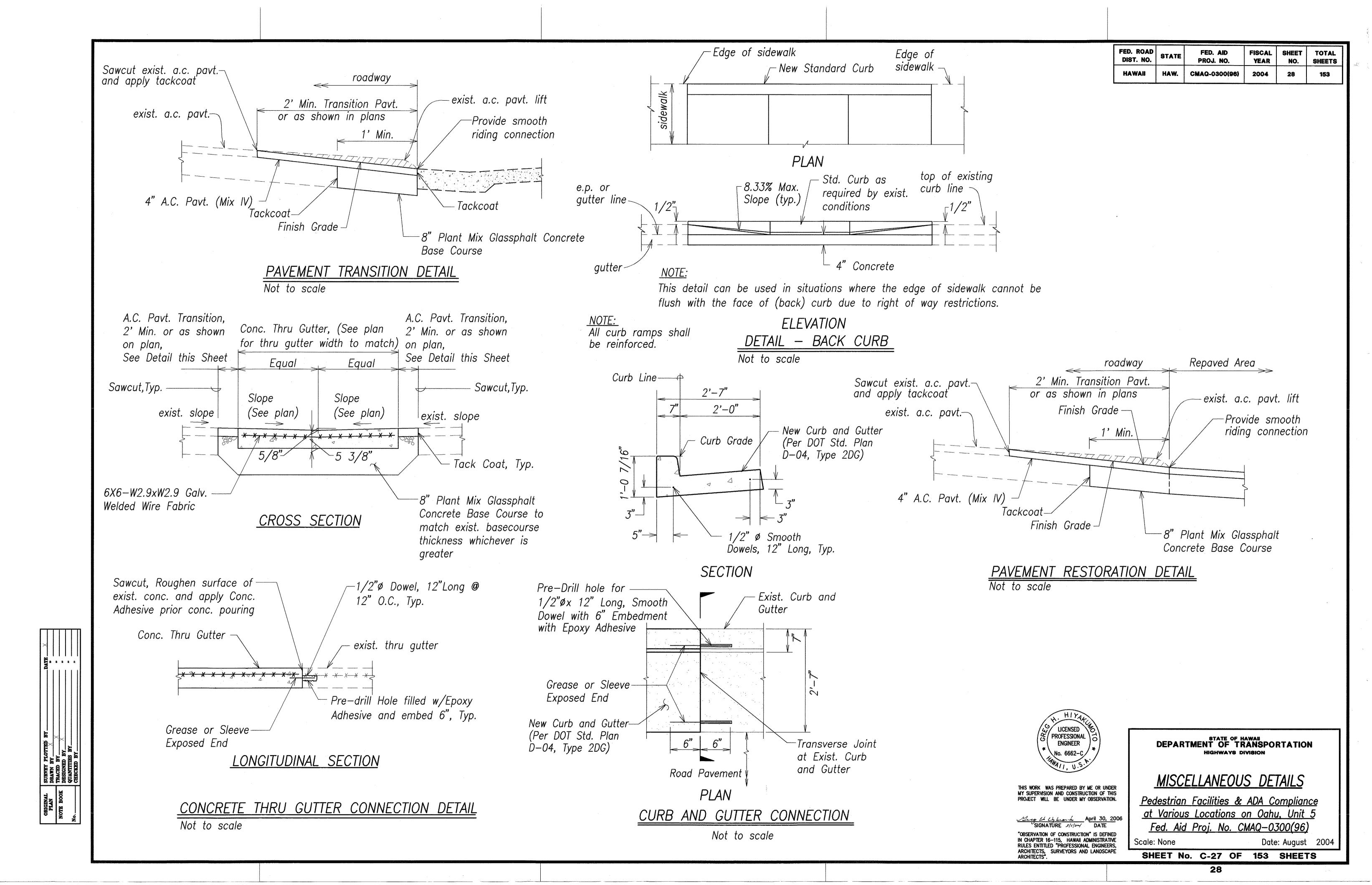
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 5 Fed. Aid Proj. No. CMAQ-0300(96)

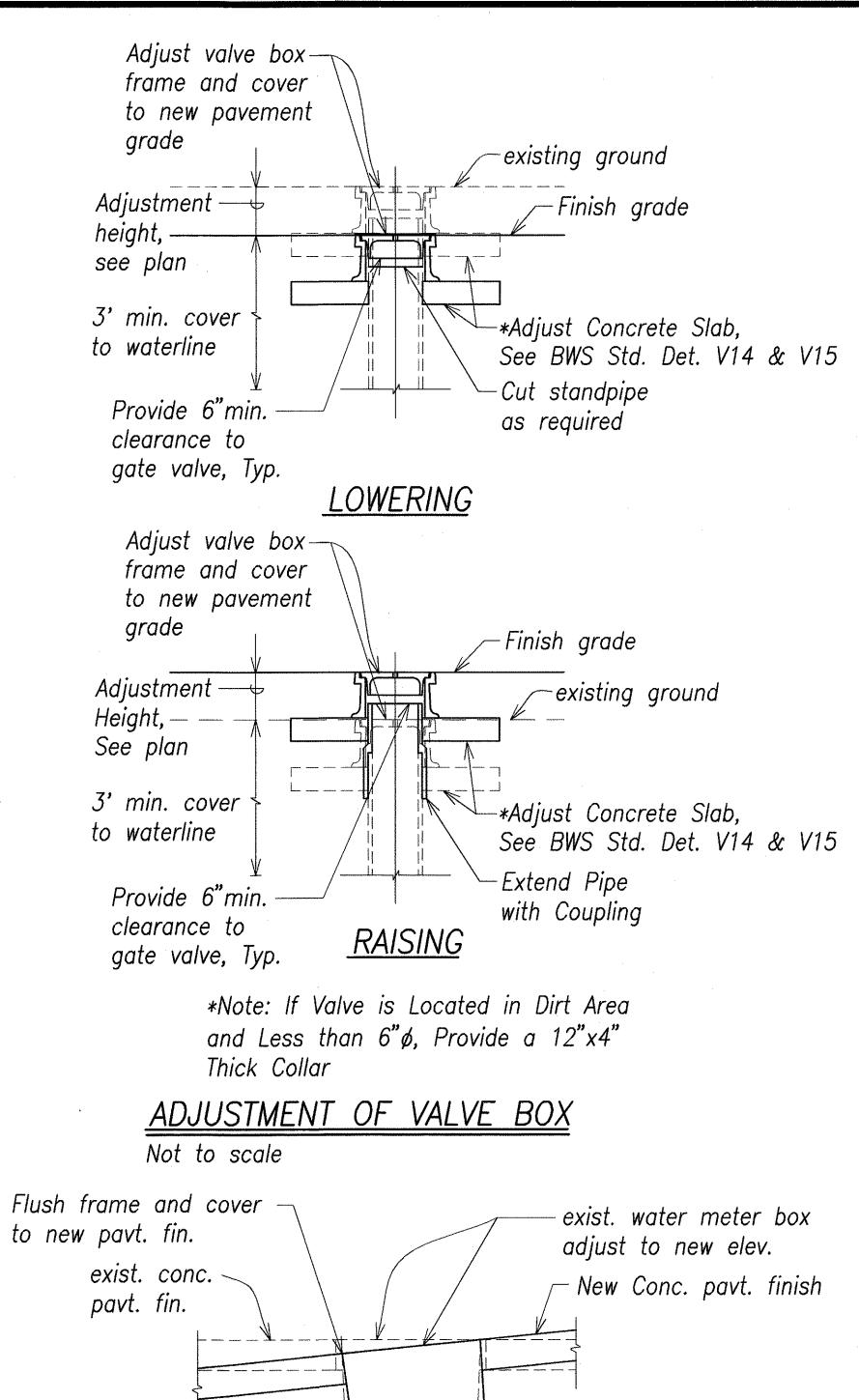
Scale: None

Date: August 2004

SHEET No. C-26 OF 153 SHEETS







See Sidewalk Isolation Joint Detail

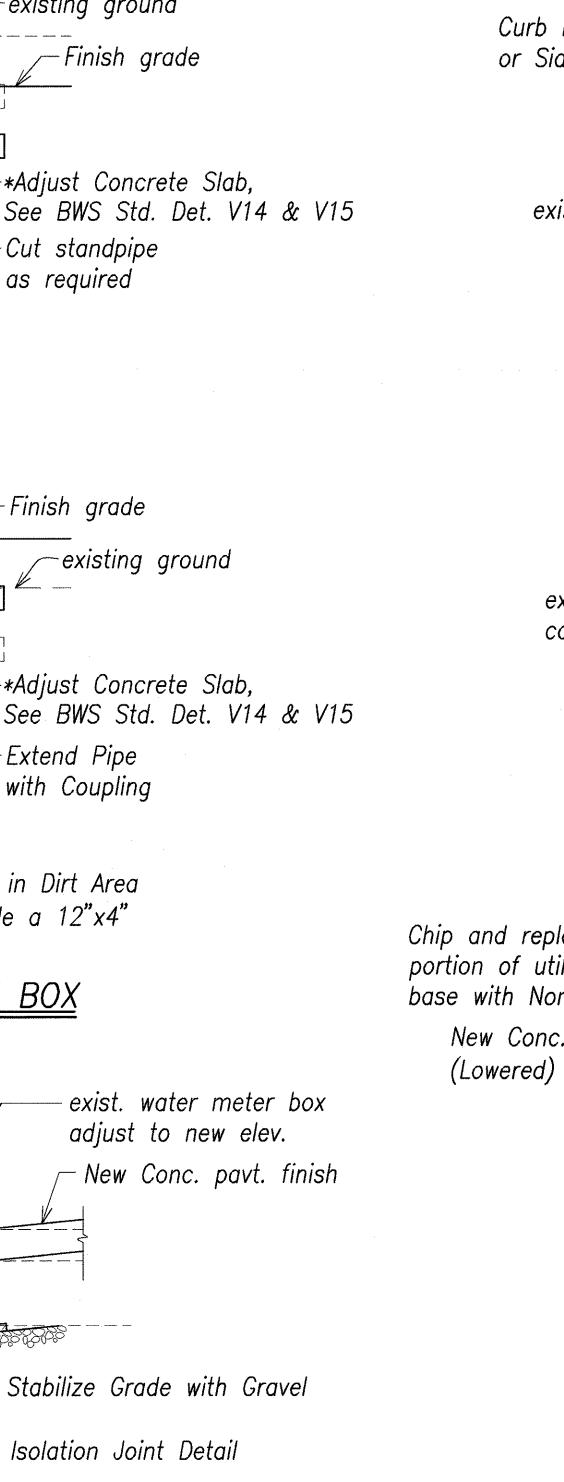
Sht. C−26

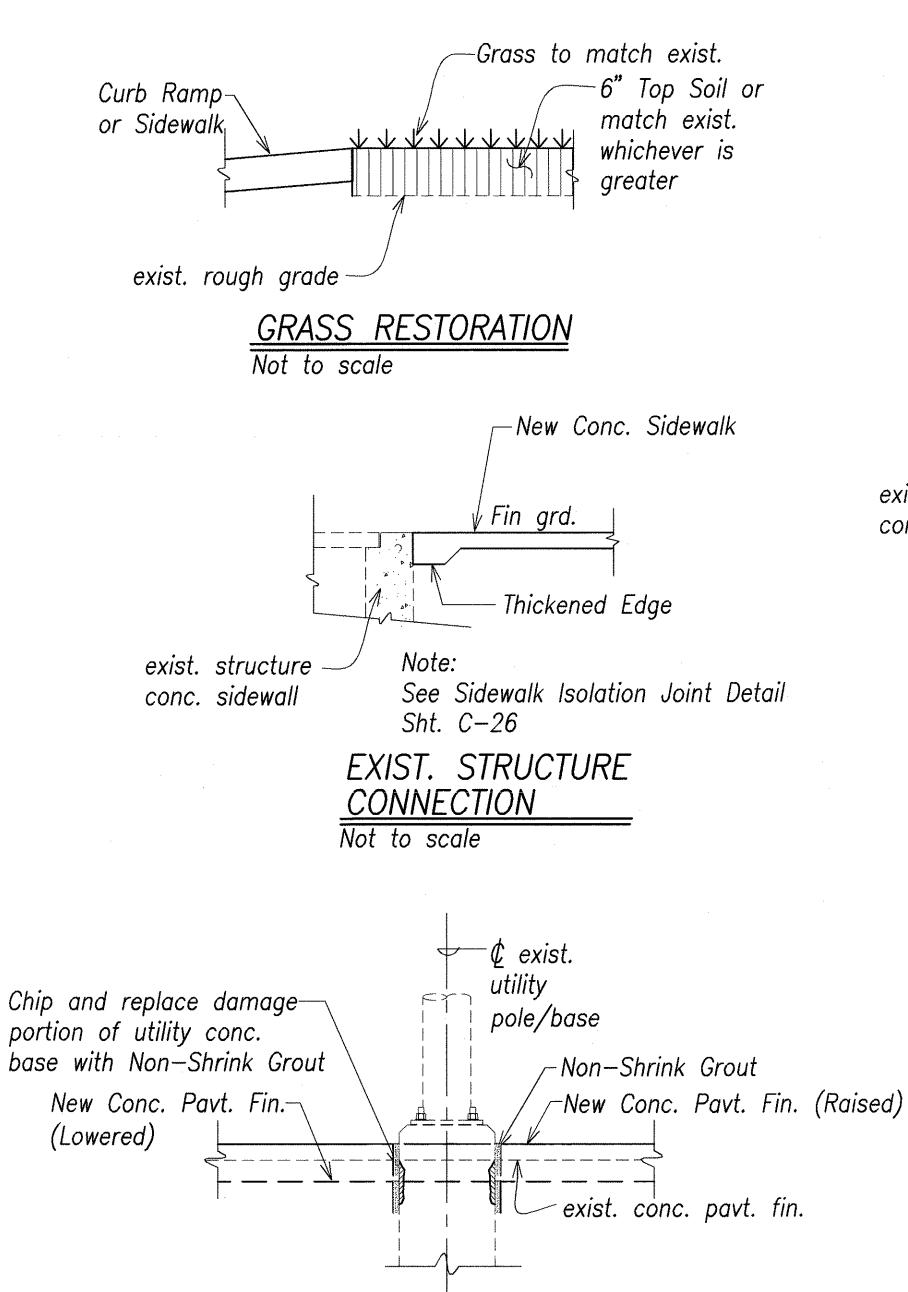
AND COVER ADJUSTMENT

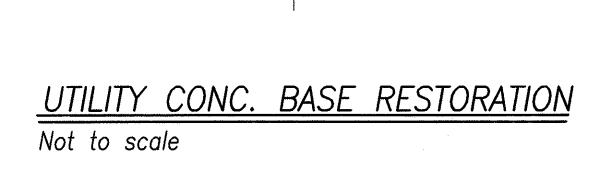
WATER METER FRAME

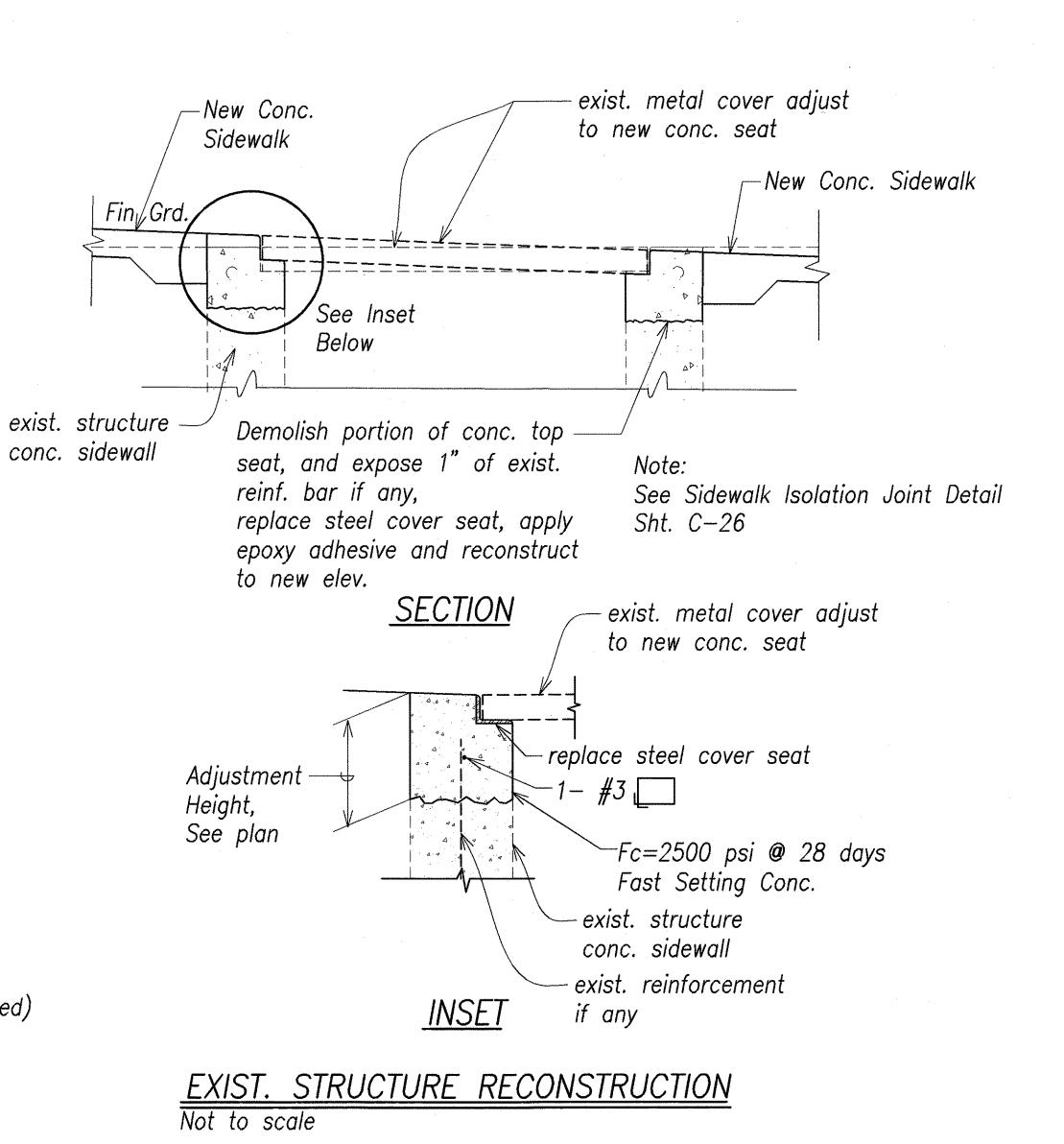
Not to scale

Conc. Bricks









FED. ROAD DIST. NO.

STATE

HAW.

FED. AID PROJ. NO.

CMAQ-0300(96)

FISCAL SHEET TOTAL YEAR NO. SHEETS

2004



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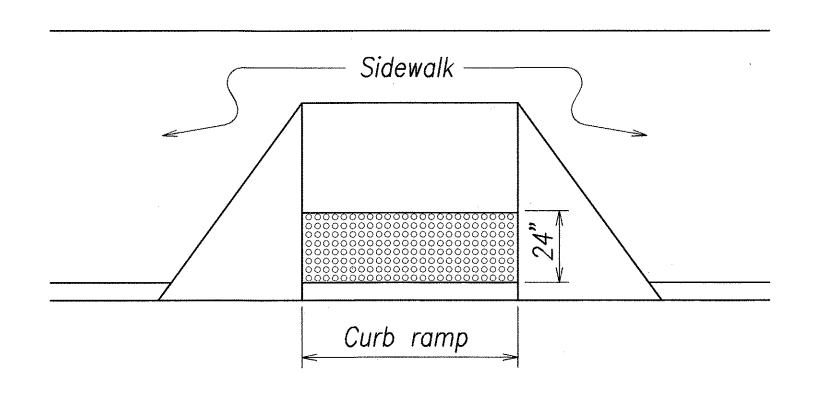
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 5 Fed. Aid Proj. No. CMAQ-0300(96) "OBSERVATION OF CONSTRUCTION" IS DEFINED IN CHAPTER 16–115, HAWAII ADMINISTRATIVE RULES ENTITLED "PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS". Scale: NONE

Date: August 2004 SHEET No. C-28 OF 153 SHEETS

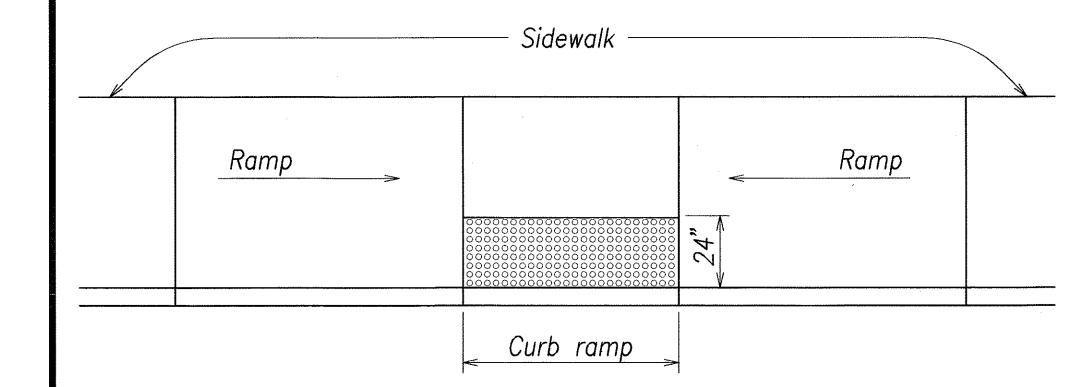
DEPARTMENT OF TRANSPORTATION

UTILITY DETAILS

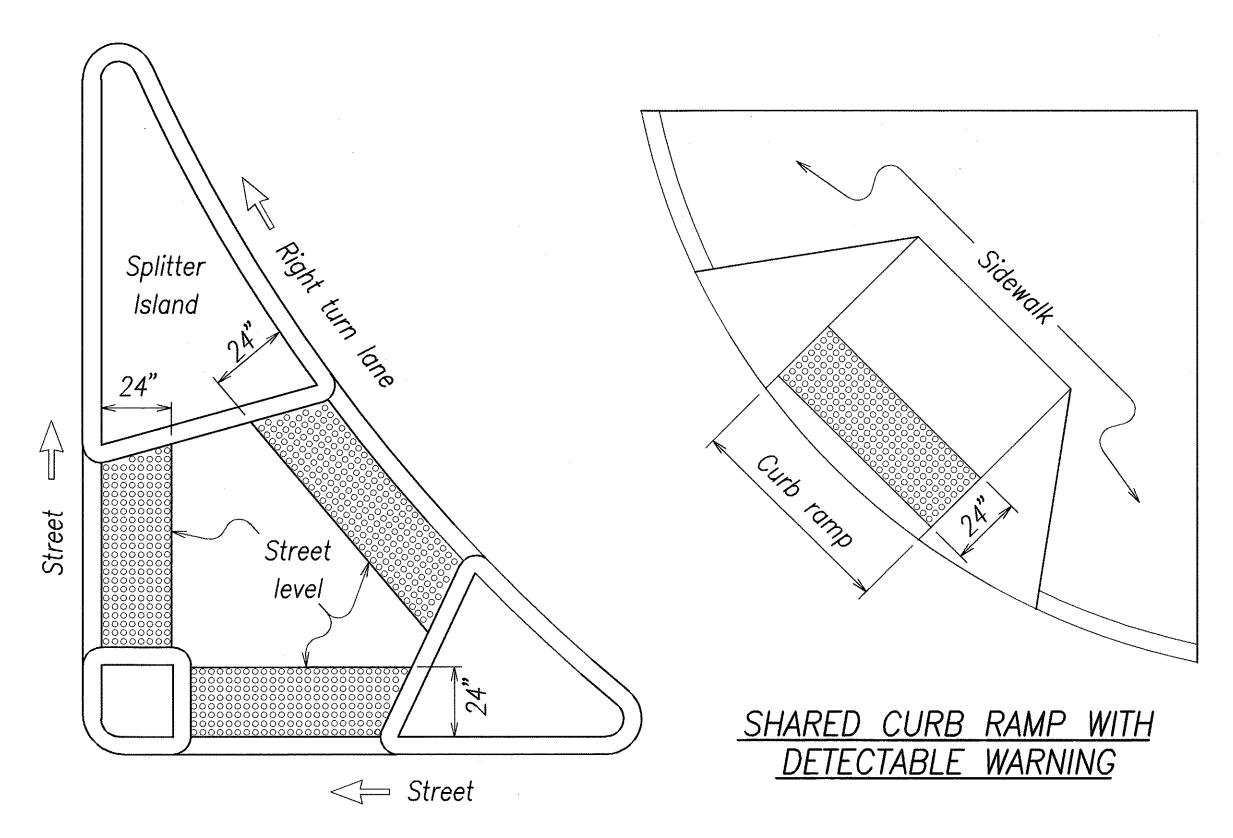
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TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY



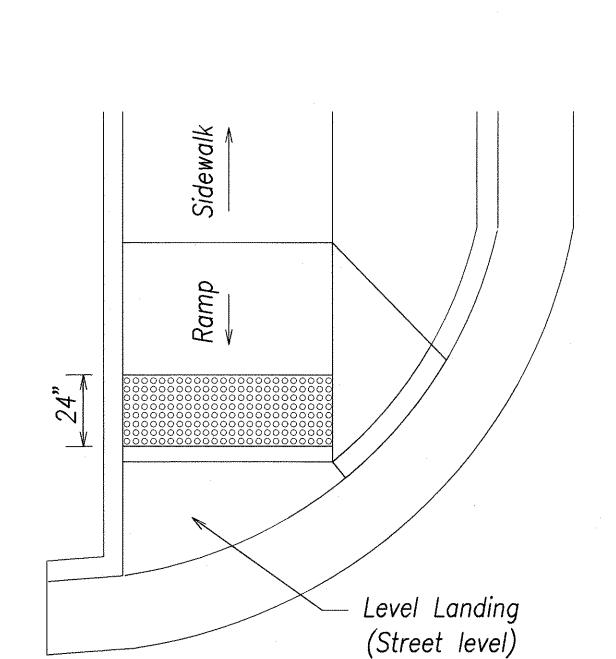
DETECTABLE WARNING AT CURB RAMP



TRANSITION RAMP WITH DETECTABLE WARNING



REFUGE ISLAND WITH DETECTABLE WARNING



FED. AID PROJ. NO.

CMAQ-0300(96)

DIST. NO. STATE

FISCAL YEAR

2004

SHEET NO.

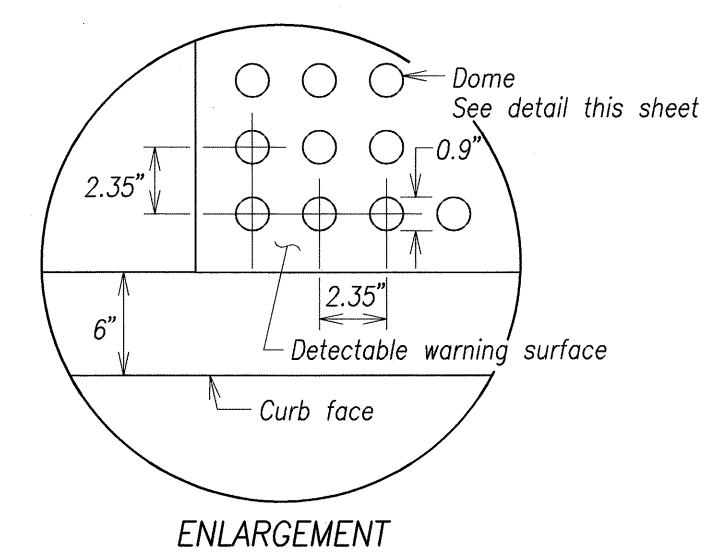
END OF SIDEWALK CURB RAMP WITH DETECTABLE WARNING

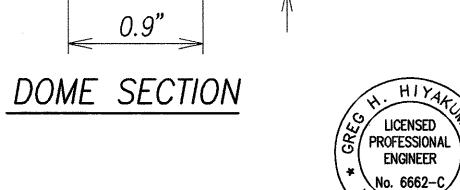
TYPICAL INSTALLATION OF DETECTABLE WARNINGS

Not to Scale

NOTES:

- 1. Detectable warnings shall be 24 inches in the direction of travel and extend the full width of the curb ramp or flush surface (does not include flares).
- 2. Truncated domes shall have a diameter of 0.9 inch at the bottom, a diameter of 0.4 inch at the top, a height of 0.2 inch and a center—to—center spacing of 2.35 inches measured along one side of a square arrangement.
- 3. Domes shall be aligned on a square grid in the predominant direction of travel to permit wheels to roll between the domes.
- 4. The detectable warning shall be "safety yellow".
- 5. The material used to provide visual contrast shall be an integral part of the detectable warning surface.
- 6. The detectable warning shall be located so that the edge nearest the curb line or other potential hazard is 6 inches from the curb line.





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DETECTABLE WARNING DETAILS

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 5 Fed. Aid Proj. No. CMAQ-0300(96)

Scale: None

Date: August 2004 SHEET No. C-29 OF 153 SHEETS

