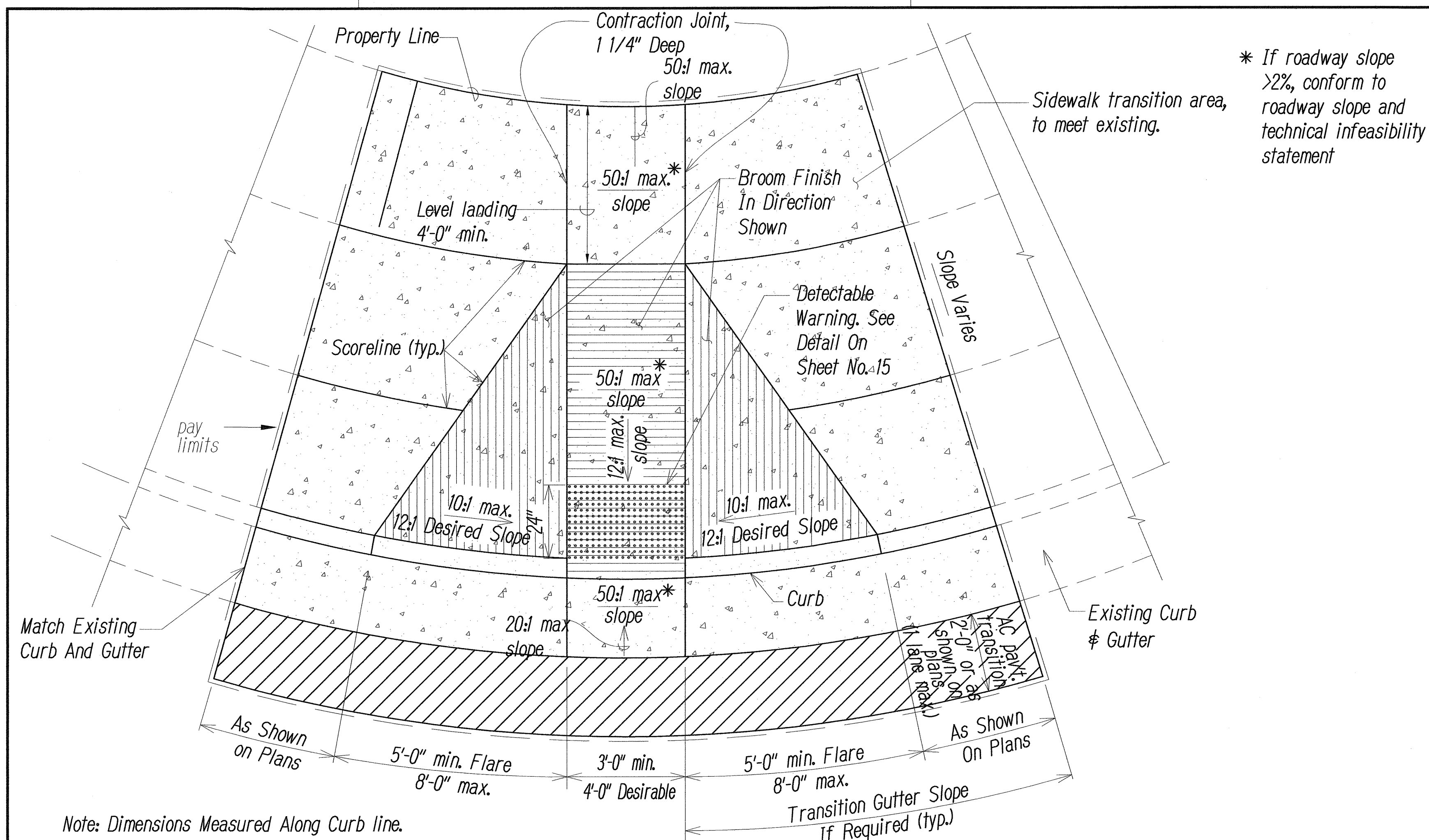
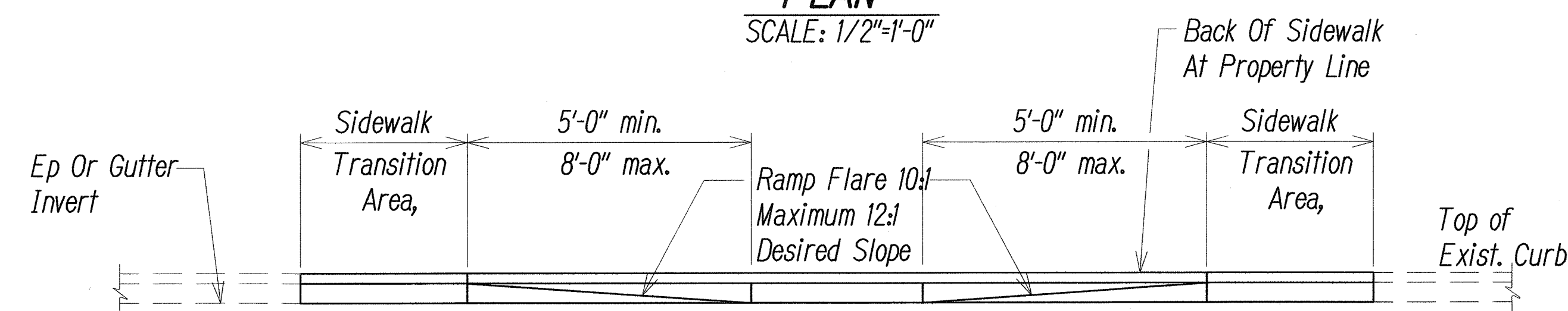


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-7413(2)	2011	ADD. 9	29

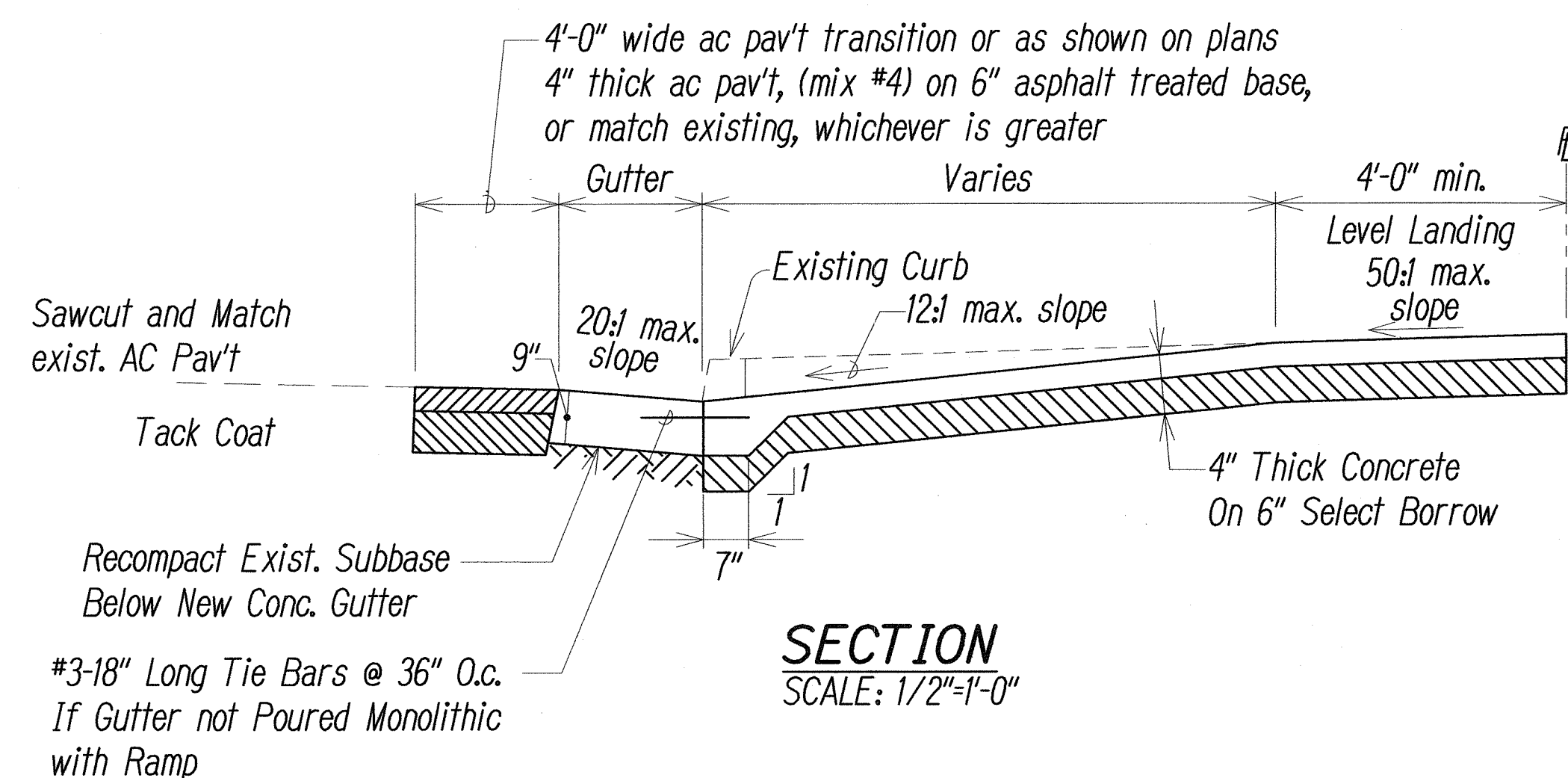


Note: Dimensions Measured Along Curb line.

PLAN
SCALE: 1/2"=1'-0"

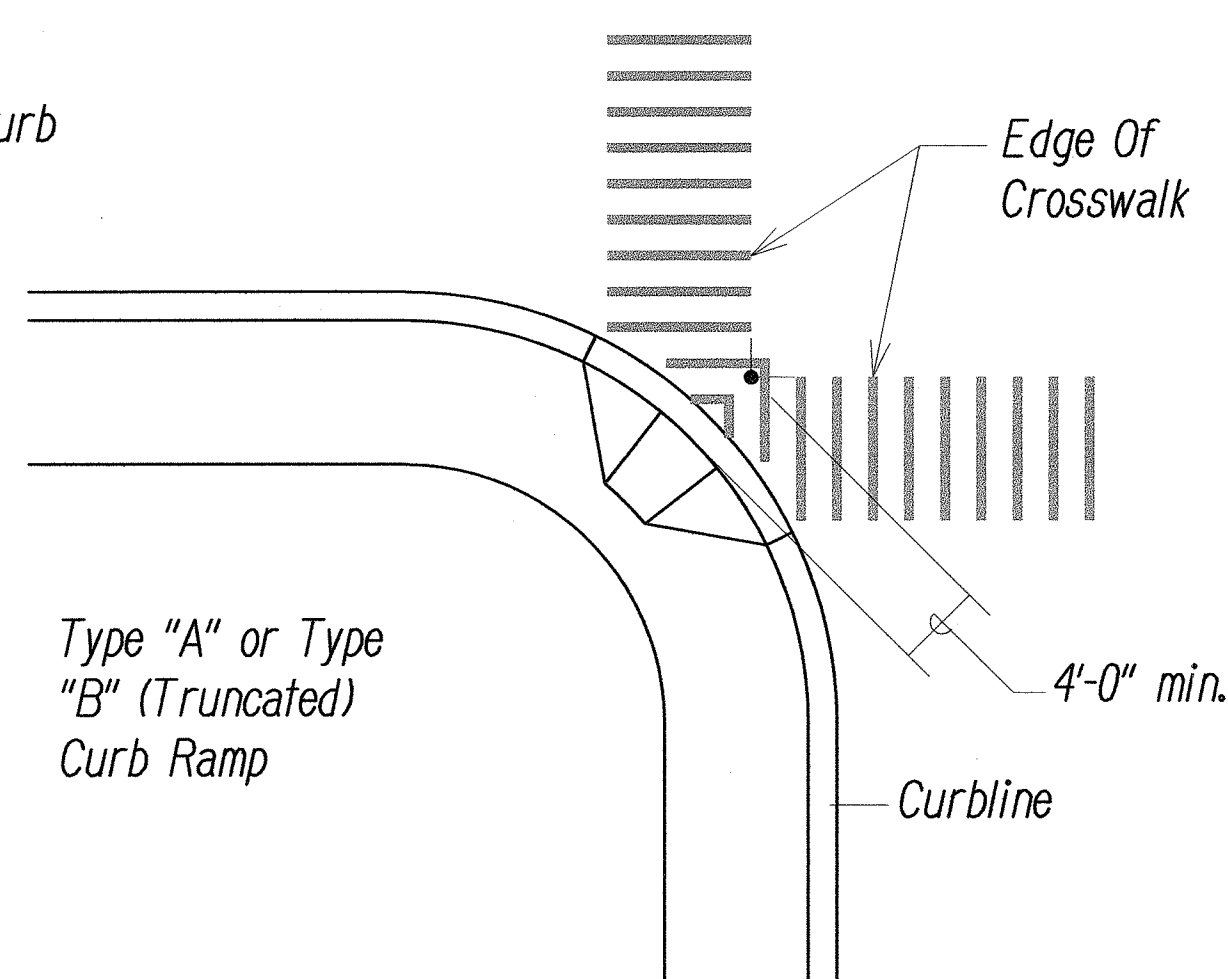


ELEVATION
SCALE: 1/2"=1'-0"



SECTION
SCALE: 1/2"=1'-0"

CURB RAMP - TYPE "A"



TYPICAL DOUBLE CROSSWALK STRIPING AT SINGLE CURB RAMP
NOT TO SCALE



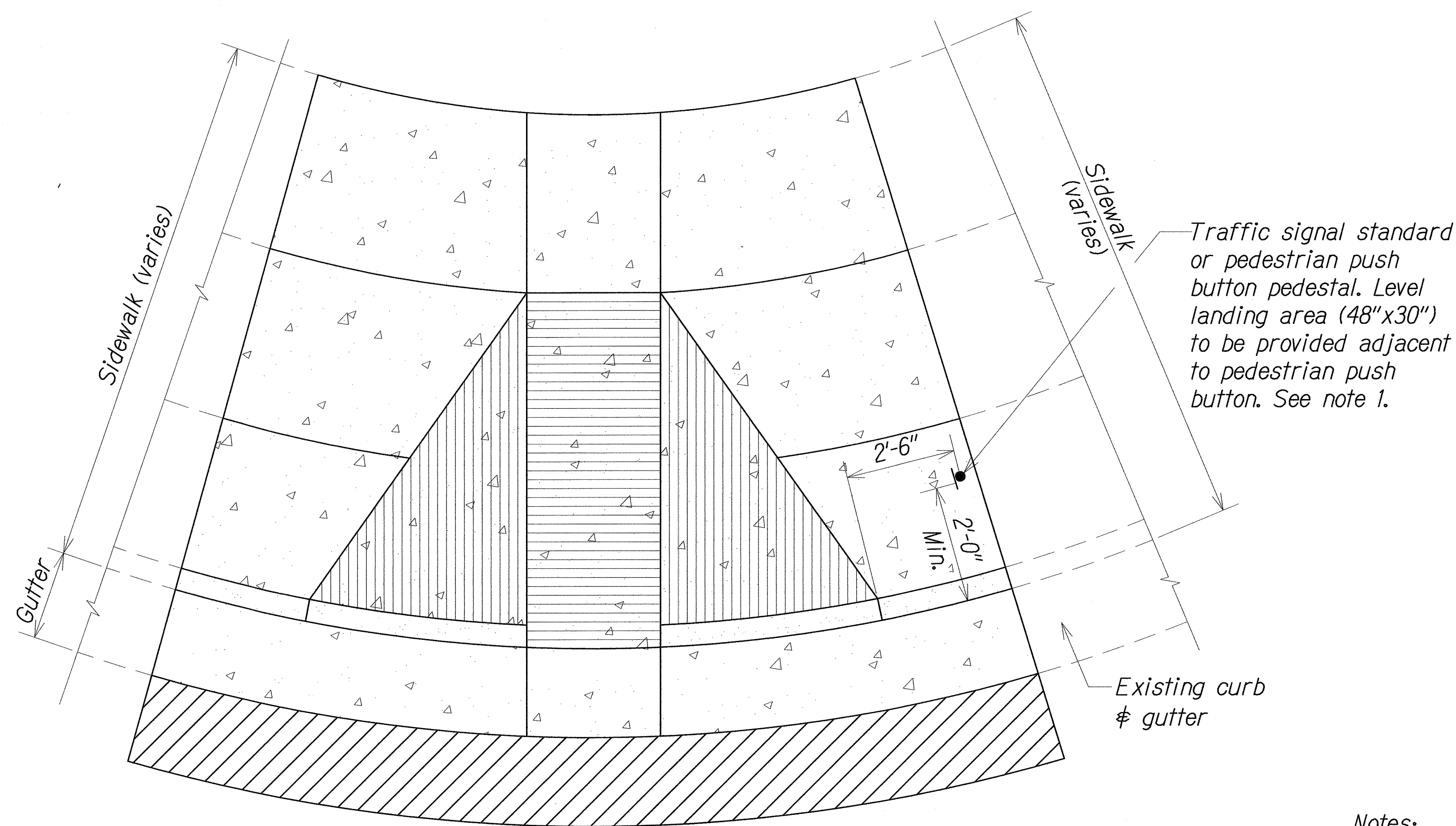
This work was prepared by me or under my supervision and construction of this project will be under my observation. (Observation of construction as defined in Chapter 16-115 Subchapter 1 Definitions of the Hawaii Administrative Rules "Professional Engineers, Architects, Surveyors, and Landscape Architects.")

9/14/11	REV. UPPER RT. CORNER BLOCK; ADDED SHT. NUMBER
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
CURB RAMP DETAILS 1	
LILIHA STREET TRAFFIC SIGNAL AT KUKUI STREET FEDERAL AID PROJECT NO. HSIP-7413(2)	
Scale: As Noted	Date: July 2011

SHEET No. 9 OF 29 SHEETS

ADD. 9

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-7413(2)	2011	ADD.10	29



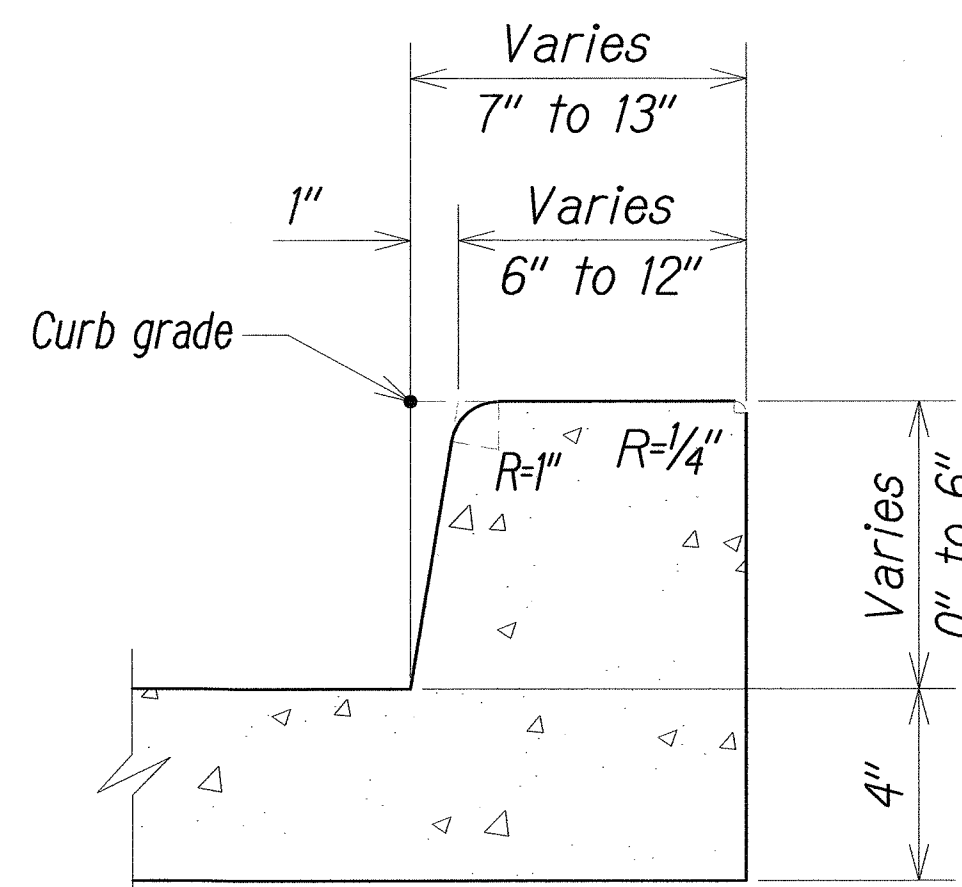
PLAN - TYPE "A" CURB RAMP W/ TRAFFIC SIGNALS
SCALE: 1/2"=1'-0"

Notes:

1. Traffic signal pole/pedestrian push button pole, foundation, and appurtenances will be measured and paid for under various traffic signal system contract items.
2. This typical detail sheet reflects modifications to certain elements of curb ramp due to traffic signal installation only. See respective sheets for tactile pad, other curb ramp slopes, dimensions, notes, and pay limits.
3. See traffic signal plans for location of pedestrian push button.

Note:

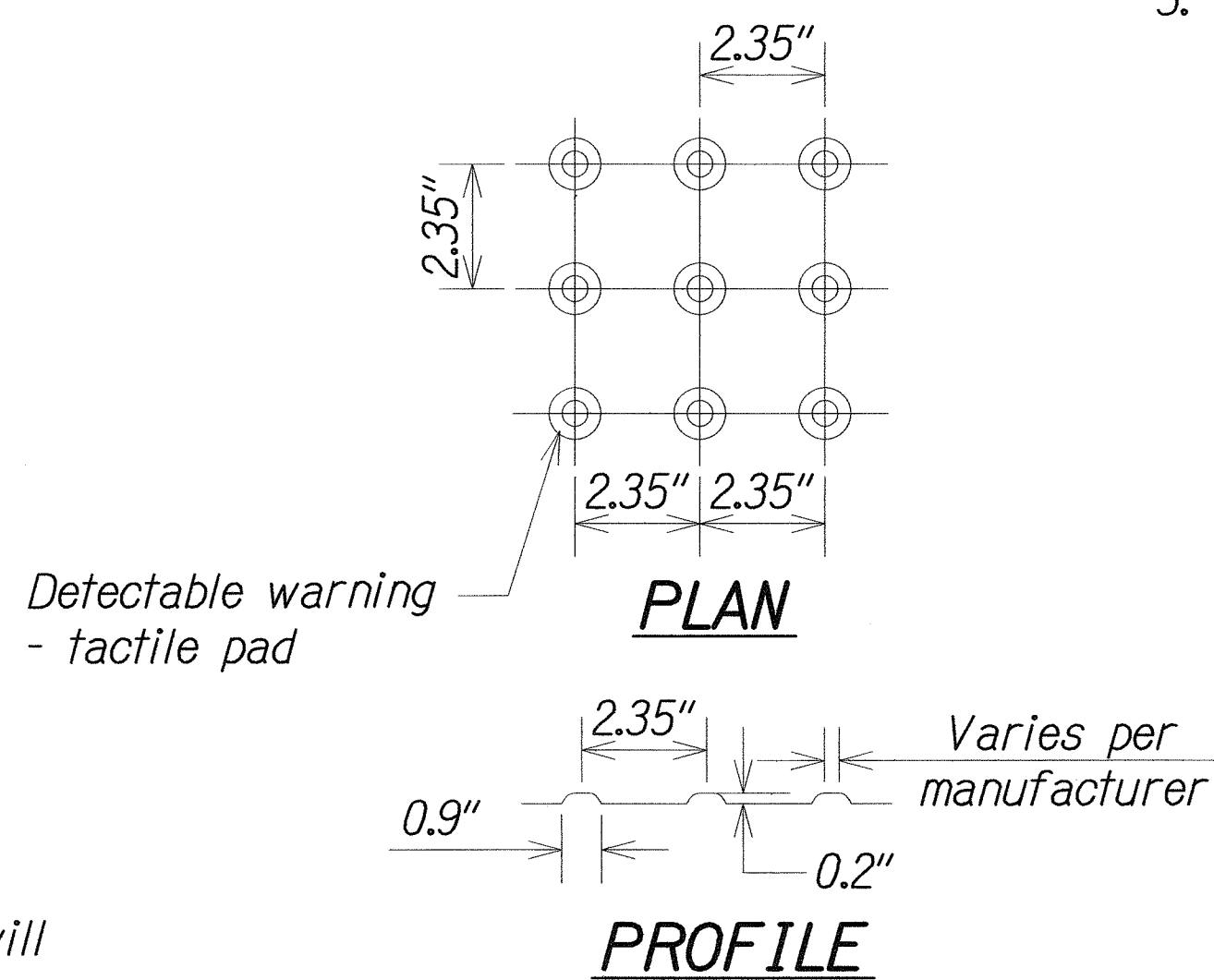
Detectable warnings shall be 24 inches in the direction of travel and extend the full width of the curb ramp or flush surface. Truncated domes shall have a diameter of 0.9 inch at the bottom, a diameter of 0.4 inch at the top, a height of 0.2 inch and a center to center spacing of 2.35 inches measured along one side of a square arrangement. Domes shall be aligned on a square grid in the predominant direction of travel to permit wheels to roll between the domes. There shall be a minimum of 70 percent contrast in light reflectance between the detectable warning and an adjoining surface, or the detectable warnings shall be "safety yellow". The material used to provide visual contrast shall be an integral part of the detectable warning surface. The detectable warning shall be located so that the edge nearest the curb line or other potential hazard is 6 to 8 inches from the curb line or other potential hazard, such as a reflecting pool edge or the edge of a transit platform.



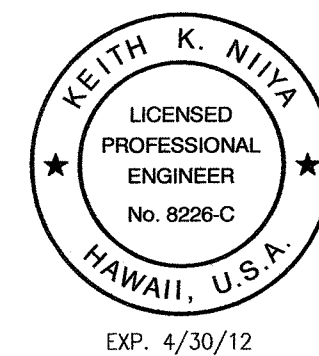
Note:

Modified grade adjustment curb will not be measured separately for payment. Modified grade adjustment curb will be considered incidental to the curb ramp contract items.

DETAIL - MODIFIED GRADE ADJUSTMENT CURB
SCALE: 3/4"=1'-0"



TYPICAL TRUNCATED DOMES DETAIL
NOT TO SCALE



This work was prepared by me or under my supervision and construction of this project will be under my observation. (Observation of construction as defined in Chapter 16-115, Subchapter 1, Definitions of the Hawaii Administrative Rules. Professional Engineers, Architects, Surveyors, and Landscape Architects.)

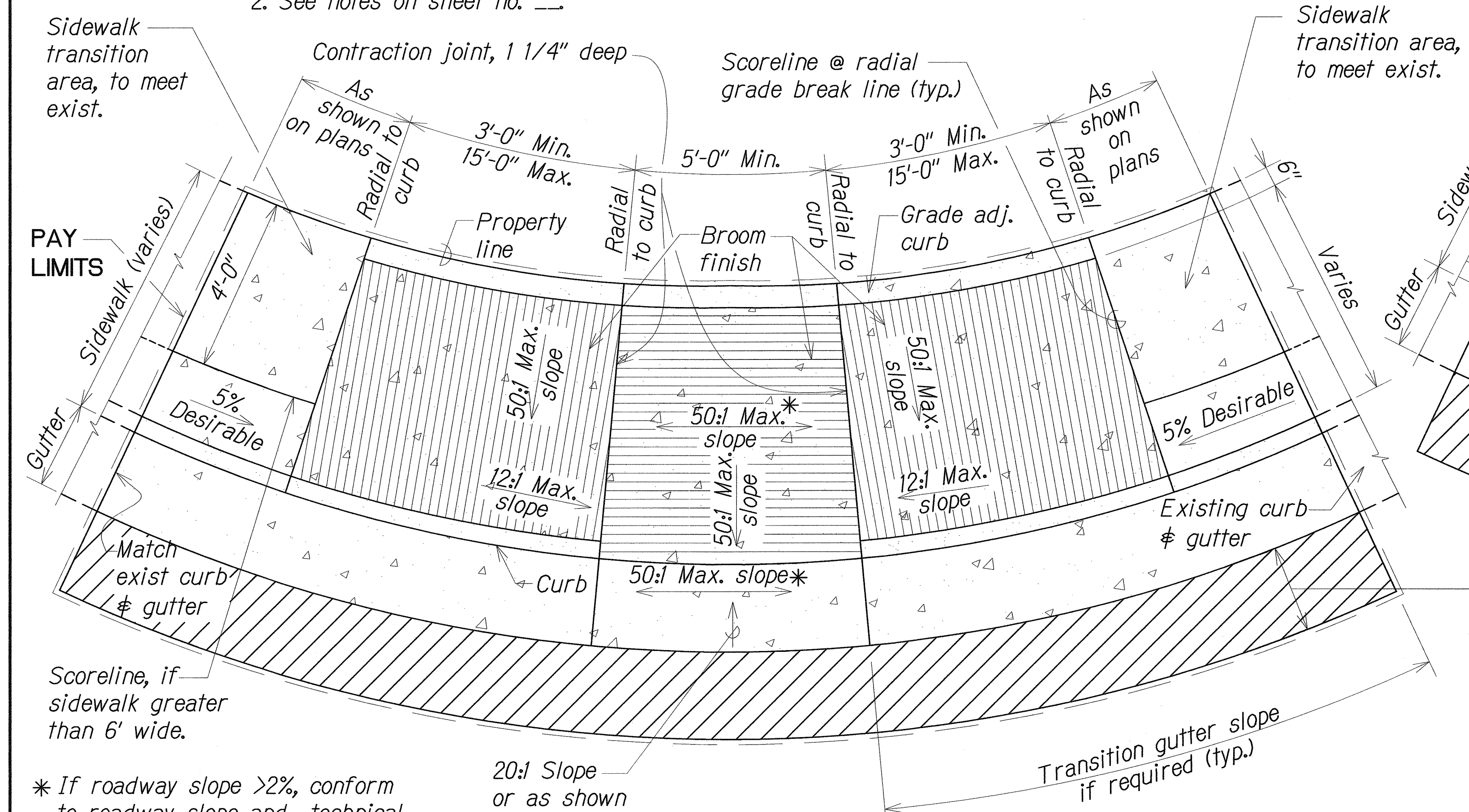
9/14/11	REV. UPPER RT. CORNER BLOCK; ADDED SHT. NUMBER
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
CURB RAMP DETAILS-2	
LILIHA STREET TRAFFIC SIGNAL AT KUKUI STREET FEDERAL AID PROJECT NO. HSIP-7413(2)	
Scale: As Noted	Date: July 2011

SHEET No. 10 OF 29 SHEETS

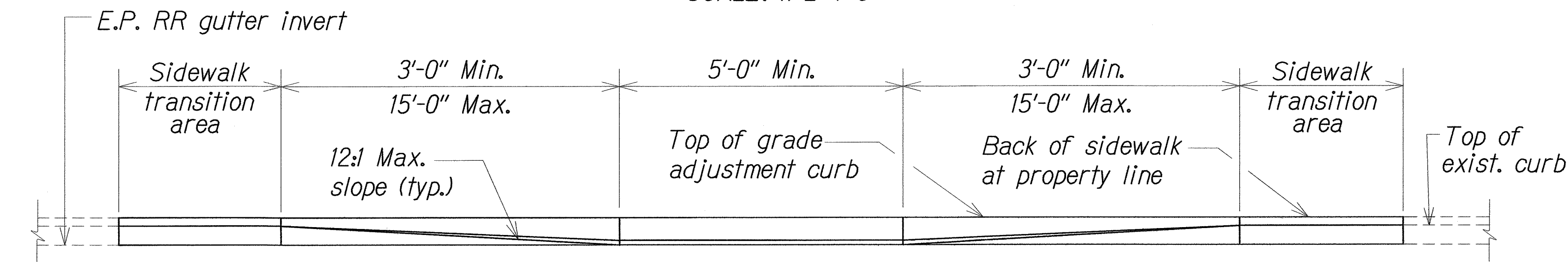
ADD. 10

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-7413(2)	2011	ADD.11	29

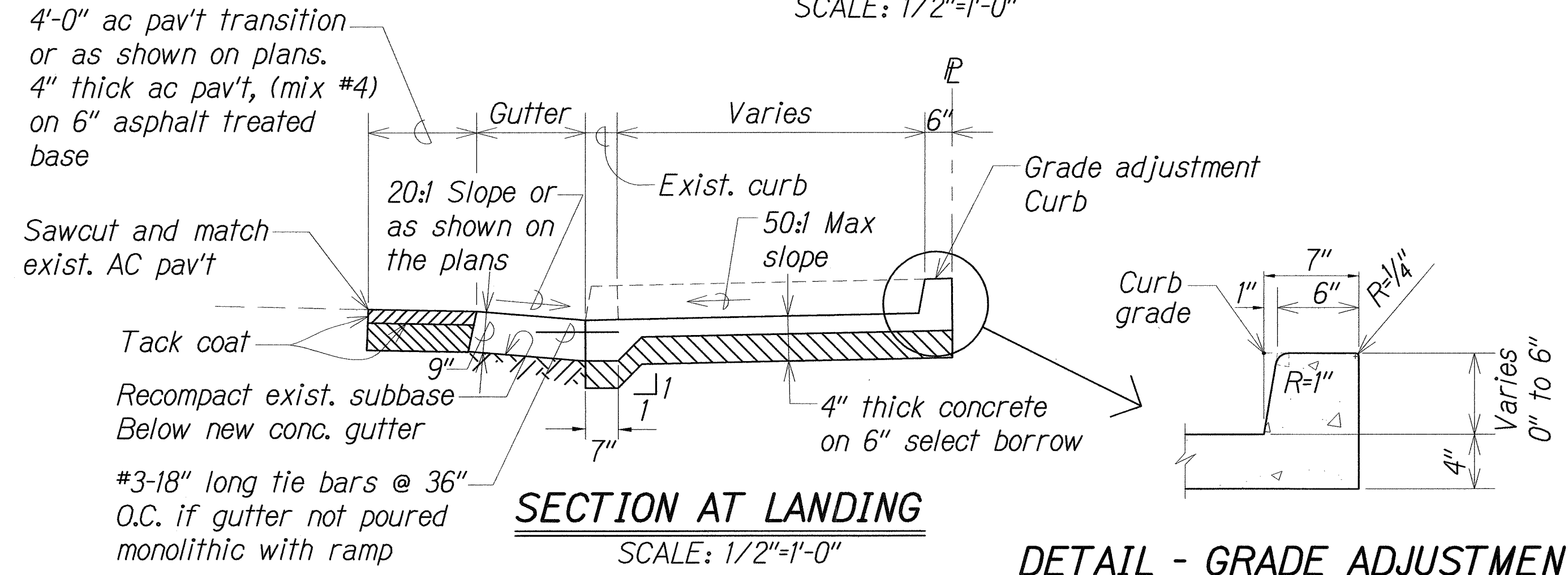
Notes:
 1. Dimensions measured along back of sidewalk or at property line.
 2. See notes on sheet no. ____



PLAN
 SCALE: 1/2"=1'-0"

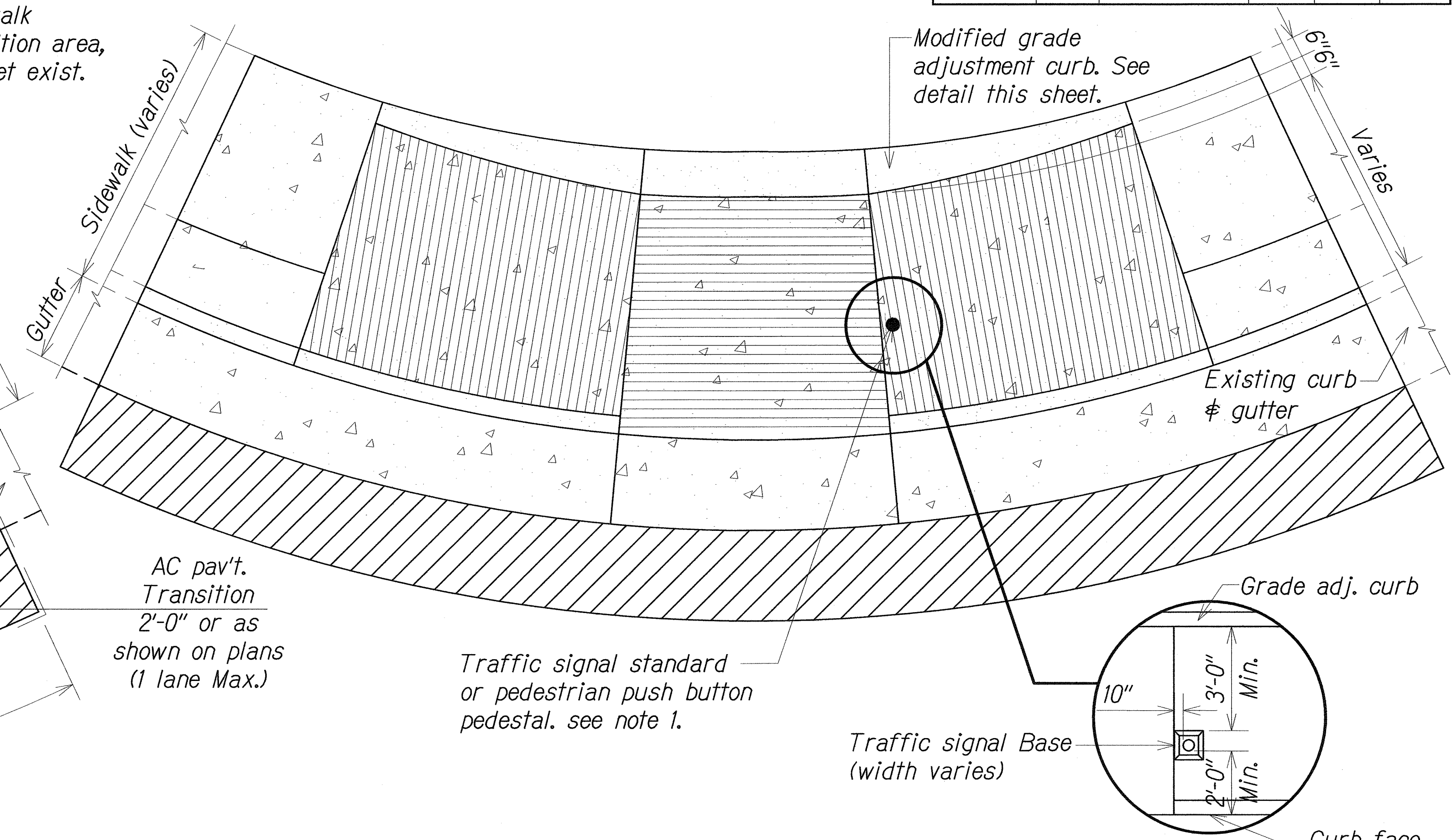


ELEVATION
 SCALE: 1/2"=1'-0"

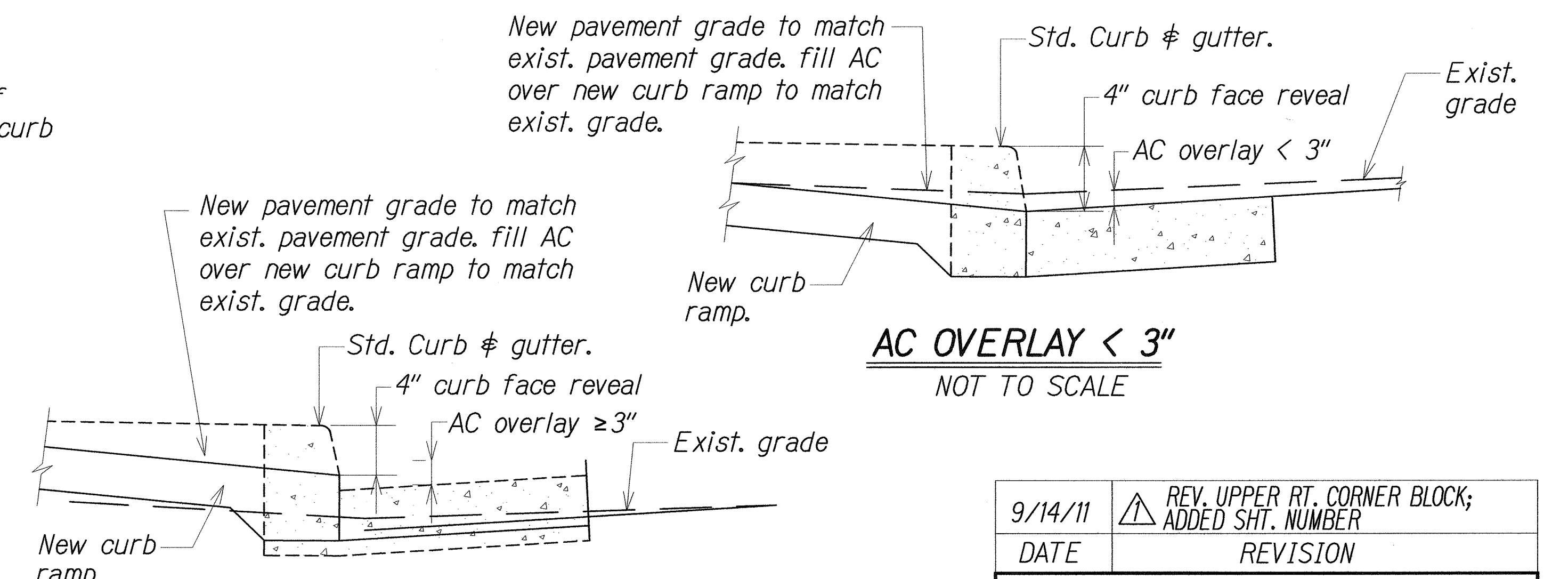


SECTION AT LANDING
 SCALE: 1/2"=1'-0"
CURB RAMP - TYPE "B"

DETAIL - GRADE ADJUSTMENT CURB
 SCALE: 1 1/2"=1'-0"

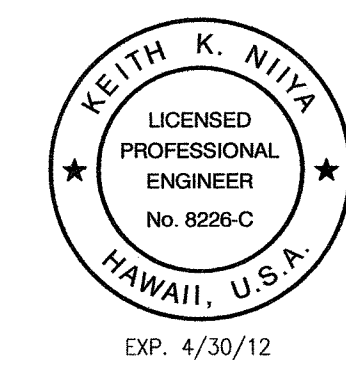


PLAN - TYPE "B" CURB RAMP W/ TRAFFIC SIGNALS
 SCALE: 1/2"=1'-0"



AC OVERLAY < 3"
 NOT TO SCALE

AC OVERLAY ≥ 3"
 NOT TO SCALE



9/14/11	REV. UPPER RT. CORNER BLOCK; ADDED SHT. NUMBER
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
CURB RAMP DETAILS 3	
LILIHA STREET TRAFFIC SIGNAL AT KUKUI STREET FEDERAL AID PROJECT NO. HSIP-7413(2)	
Scale: As Noted	Date: July 2011