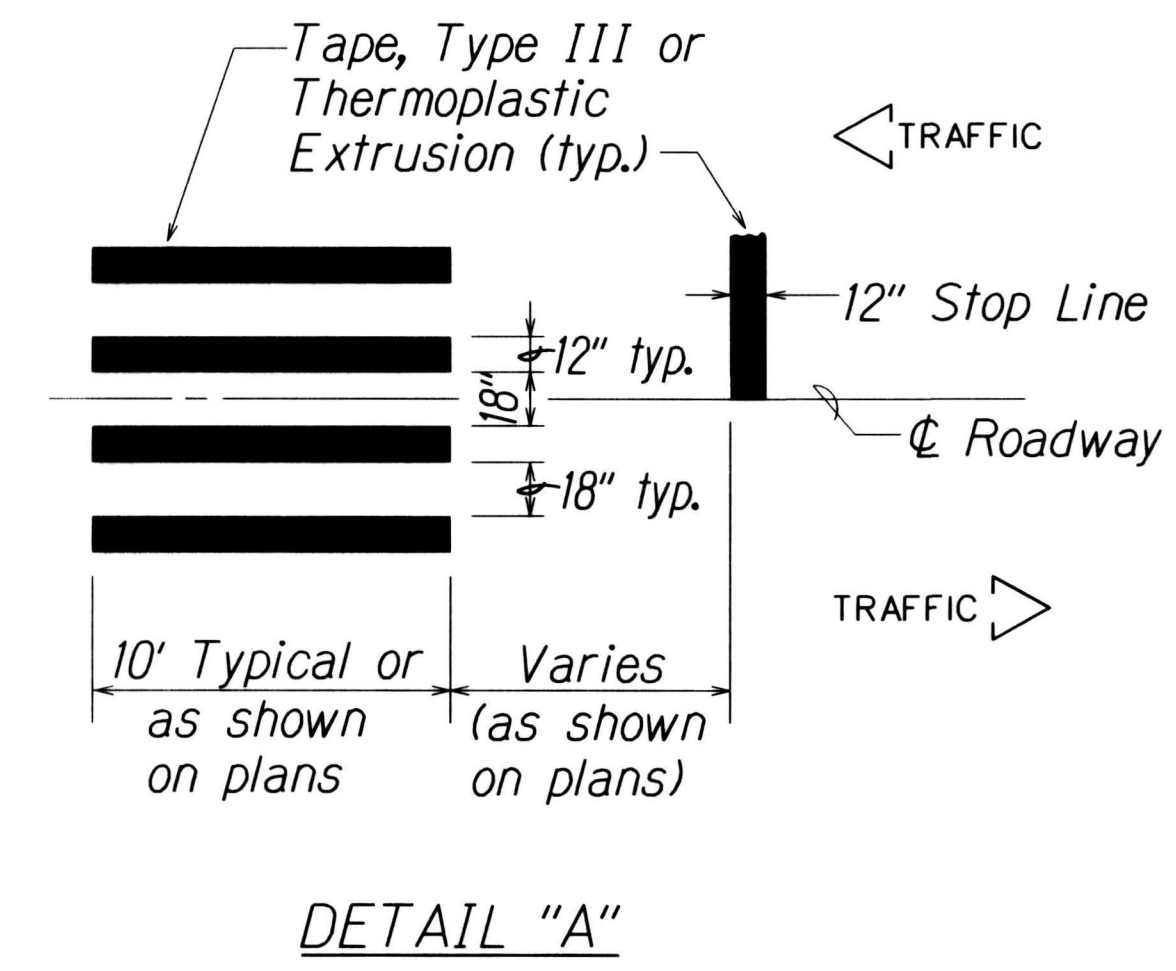
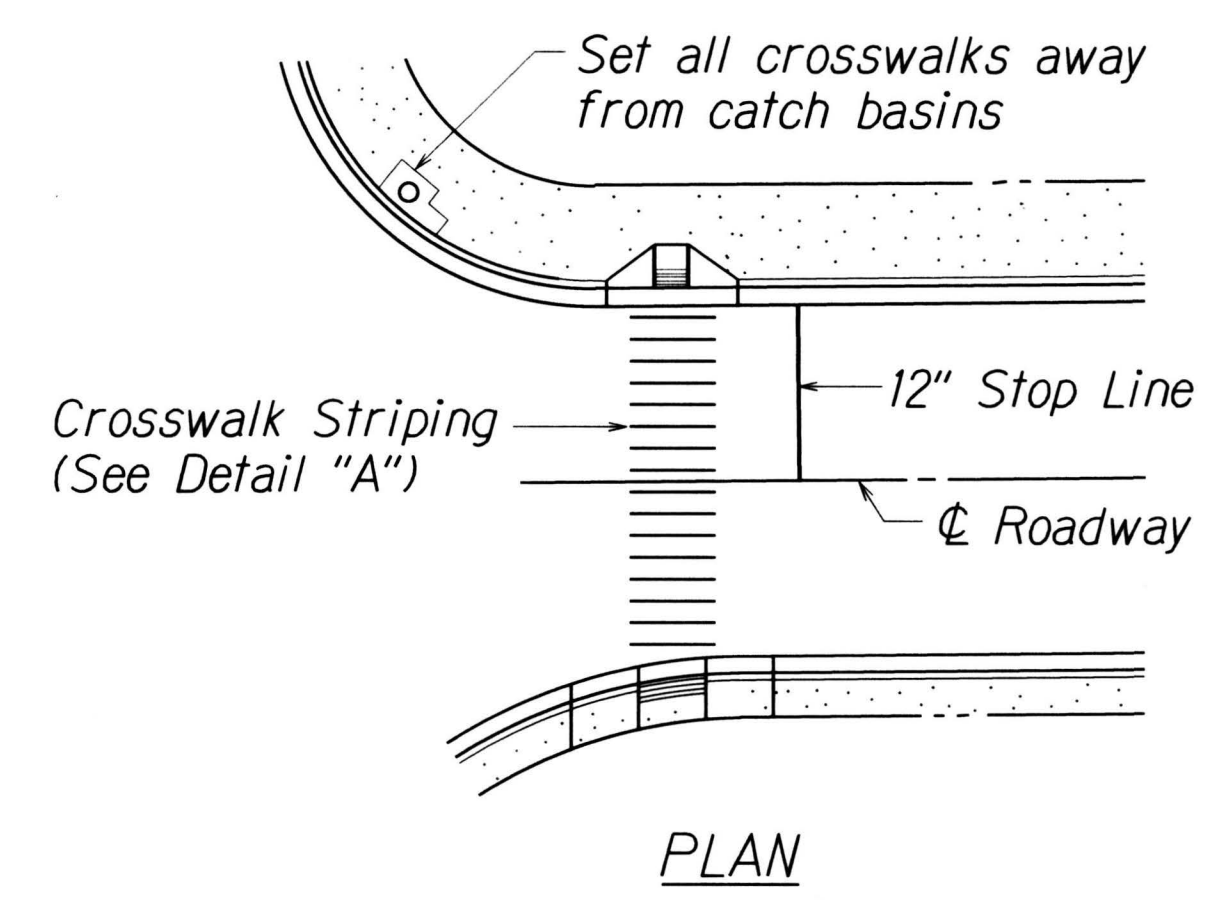




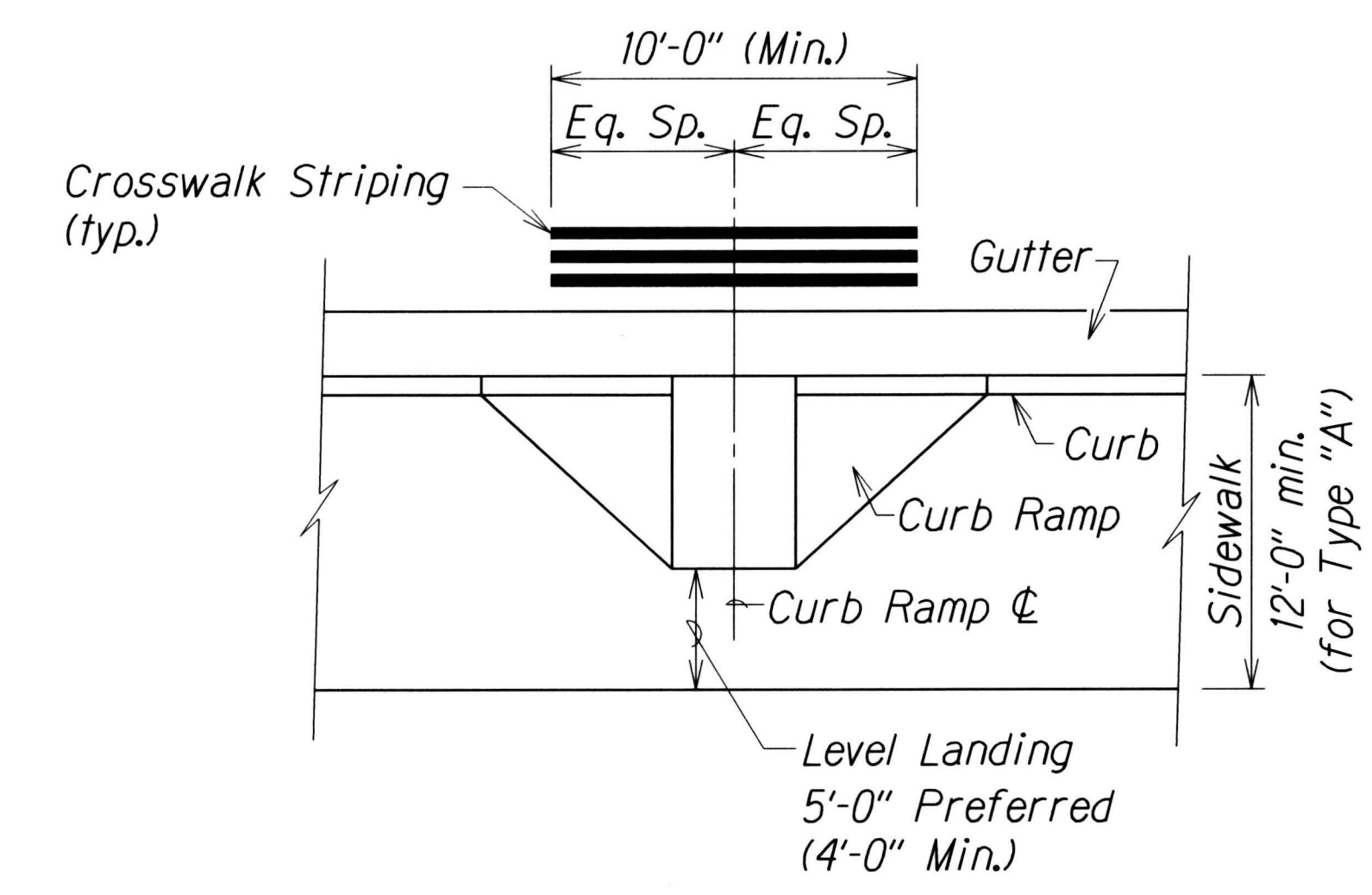


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-065-1(011)	2017	18	80

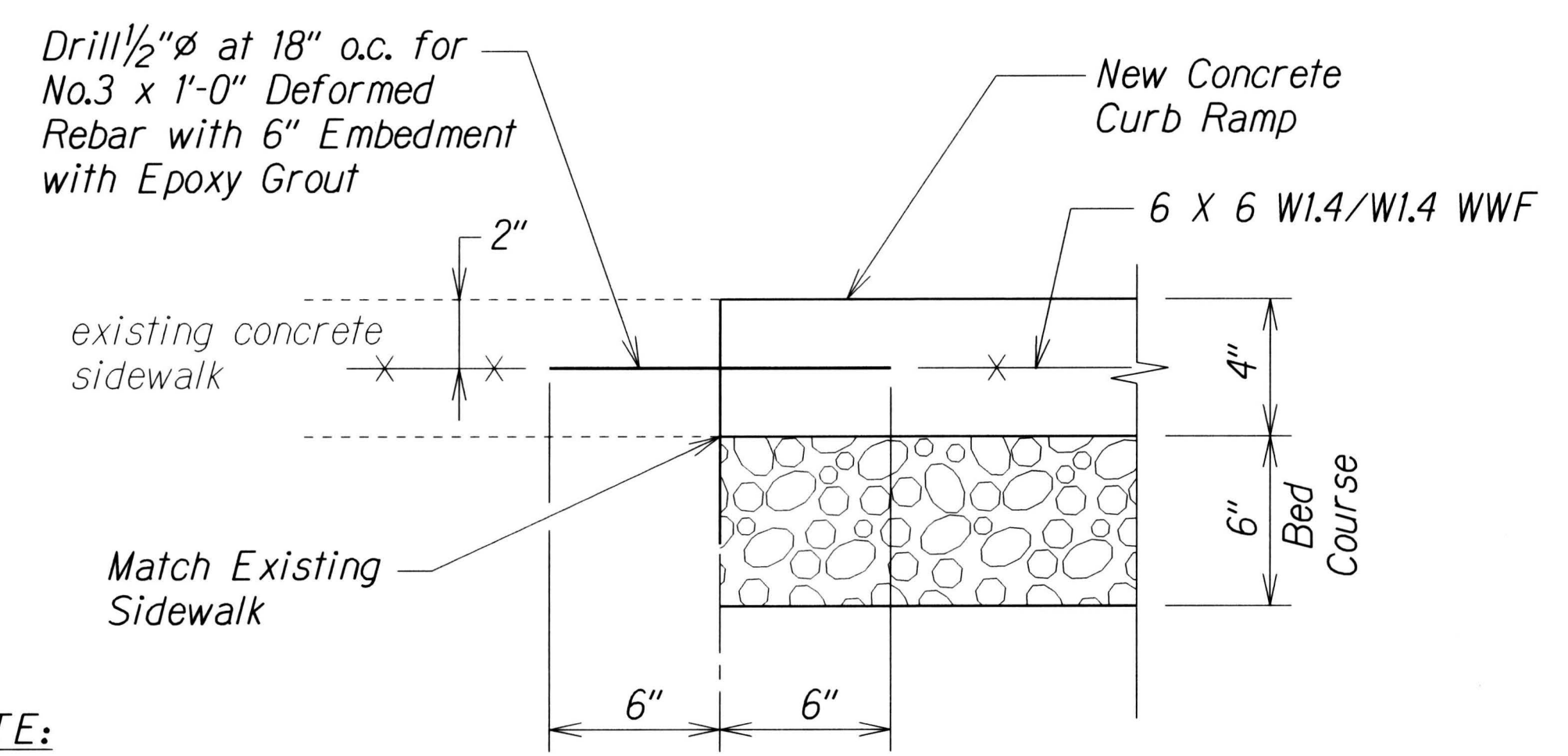


### CROSSWALK STRIPING DETAIL

**NOTE:**  
Longitudinal lines shall be parallel to traffic flow.

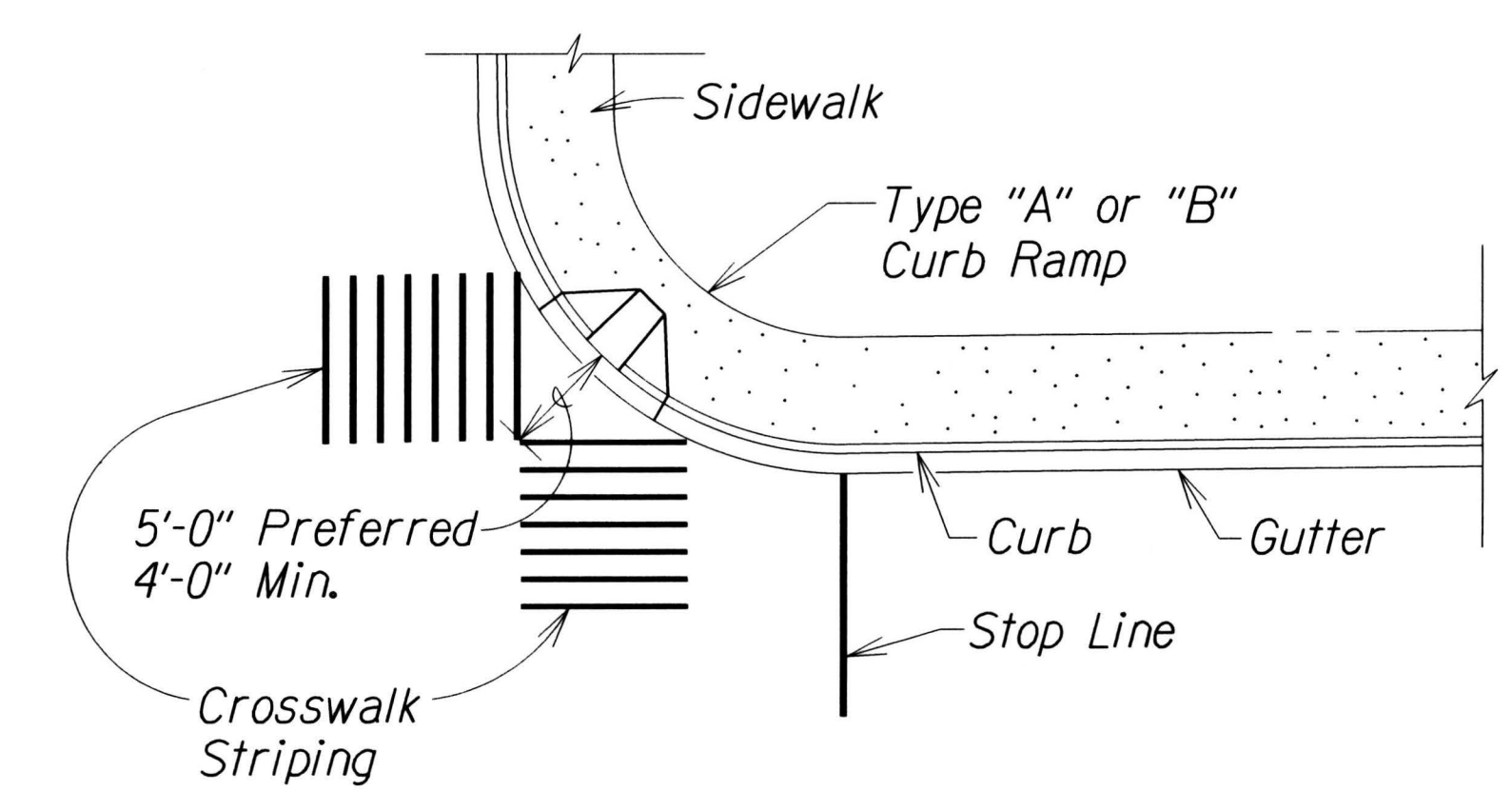


### TYPICAL CROSSWALK STRIPING AT CURB RAMP

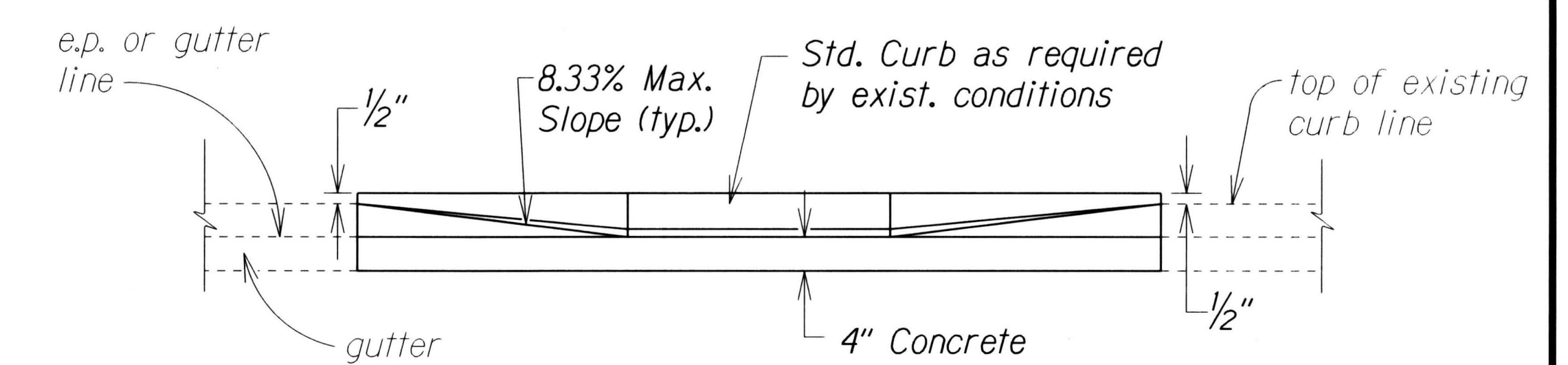
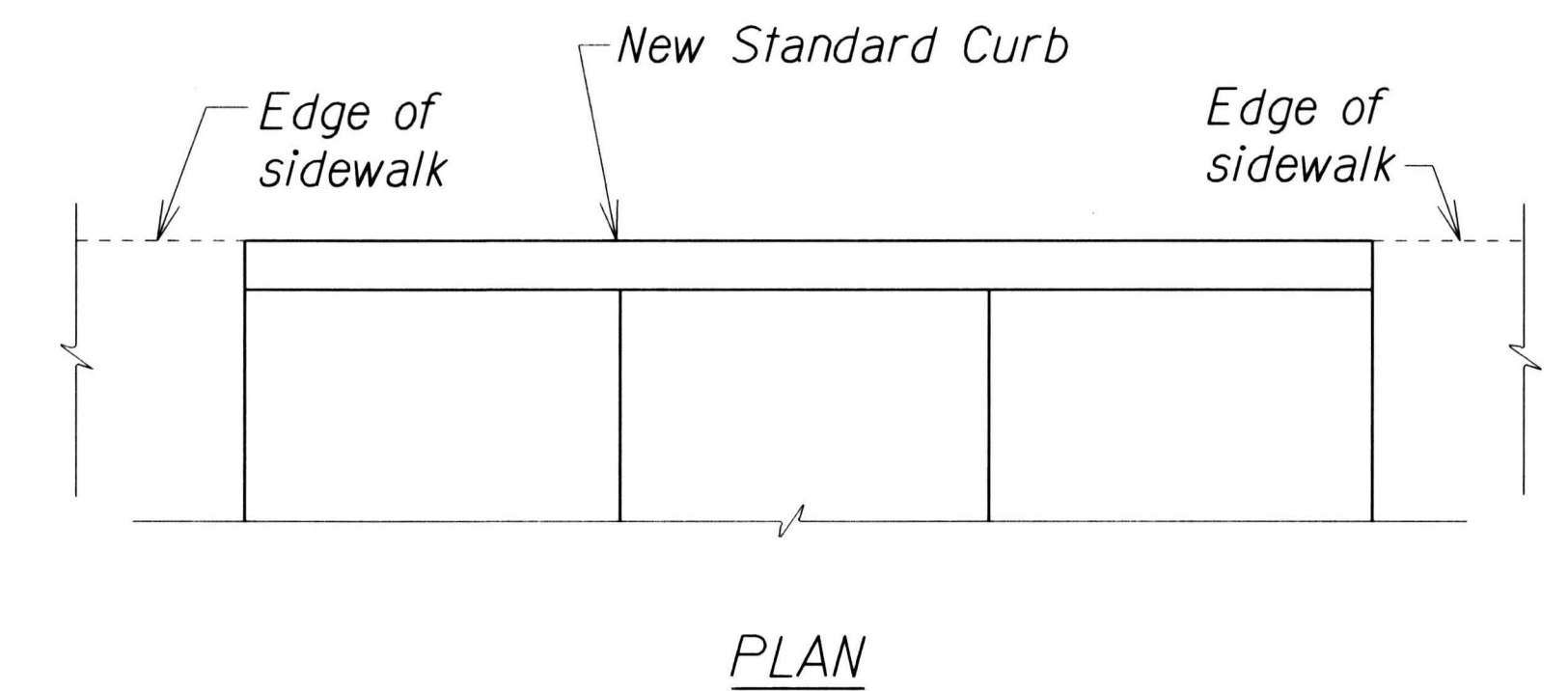


**NOTE:**  
All curb ramps shall be reinforced.

### TYPICAL CONSTRUCTION JOINT AT EXISTING SIDEWALK



### TYPICAL CROSSWALK STRIPING AT DIAGONAL CURB RAMP



### ELEVATION

### DETAIL - BACK CURB

**NOTE:**  
This detail can be used in situations where the edge of sidewalk cannot be flush with the face of (back) curb due to right of way restrictions.

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

R 12-06-06 TE-XX sh. 7 of 9 tdl/usr2/traffic/std/curbrampmisc.dgn

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**MISCELLANEOUS DETAILS**

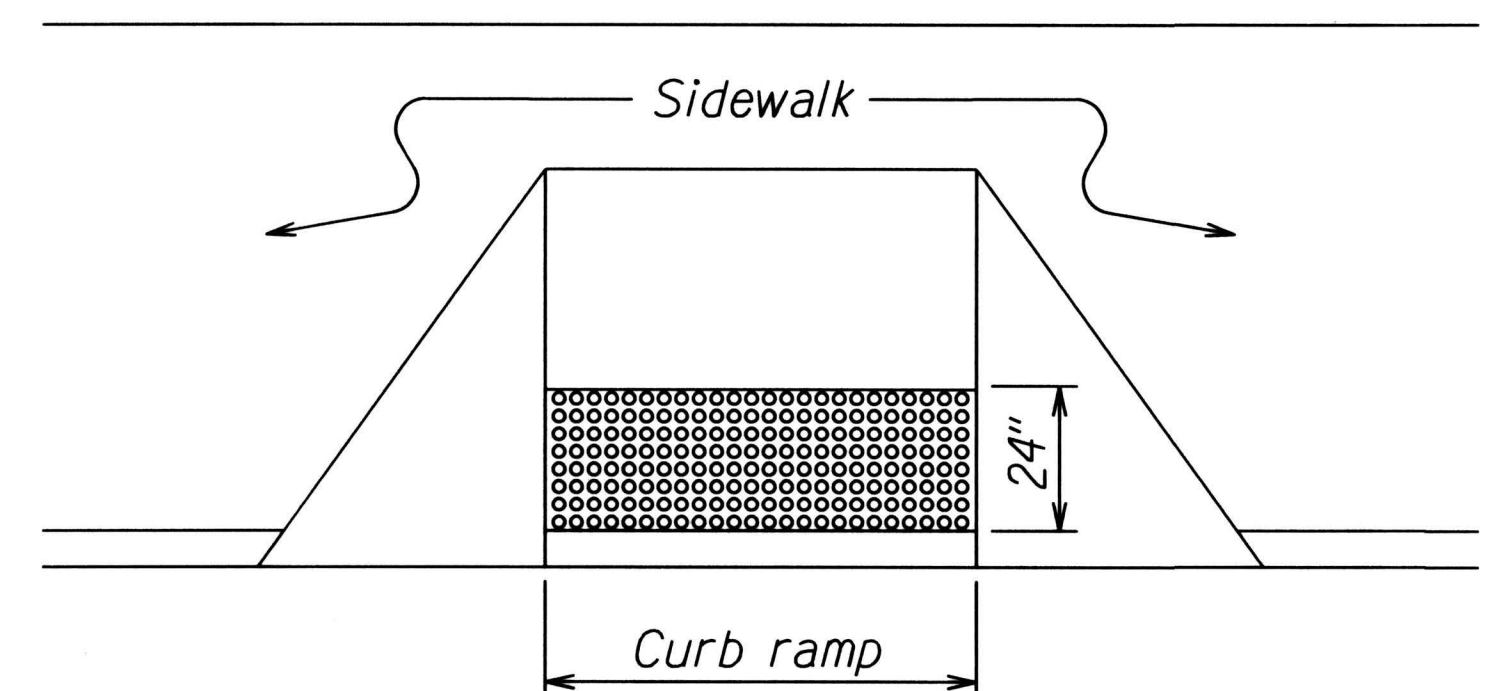
MOKAPU SADDLE ROAD REHABILITATION  
Nanamoana Street to Oneawa Street  
Federal Aid Project No. STP-065-1(011)

Not to Scale Date: March, 2017

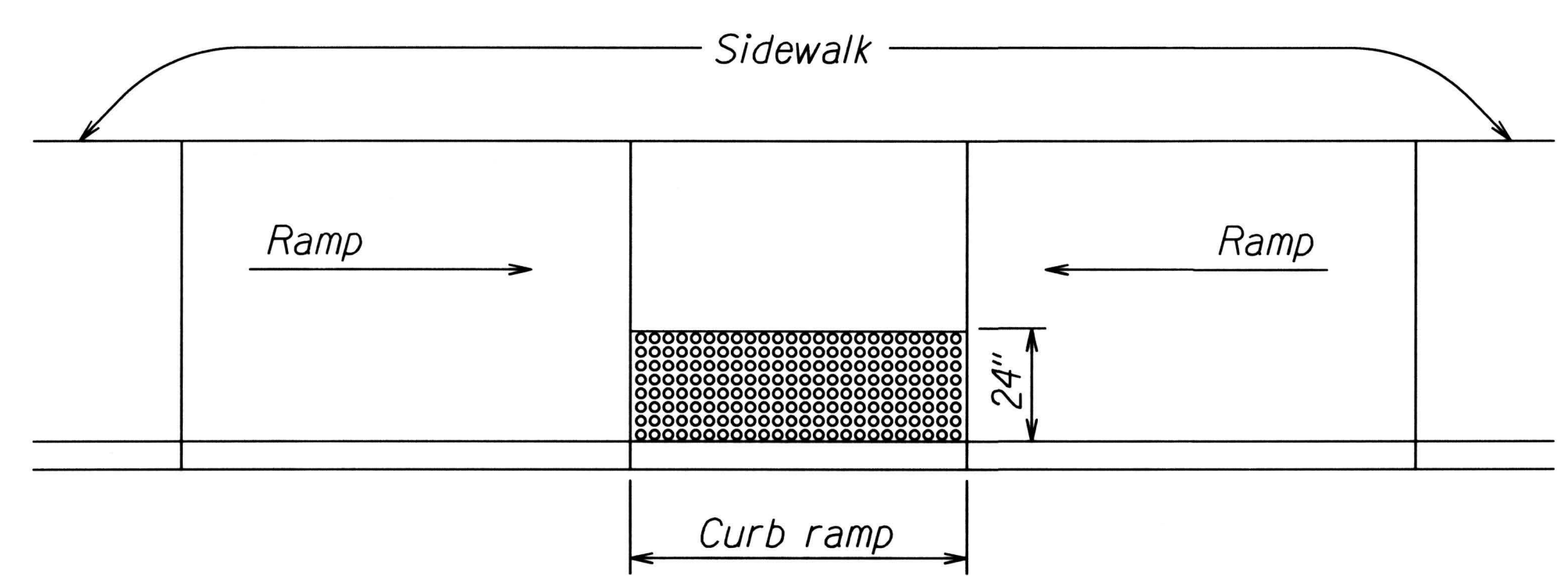
SHEET No. 2 OF 5 SHEETS



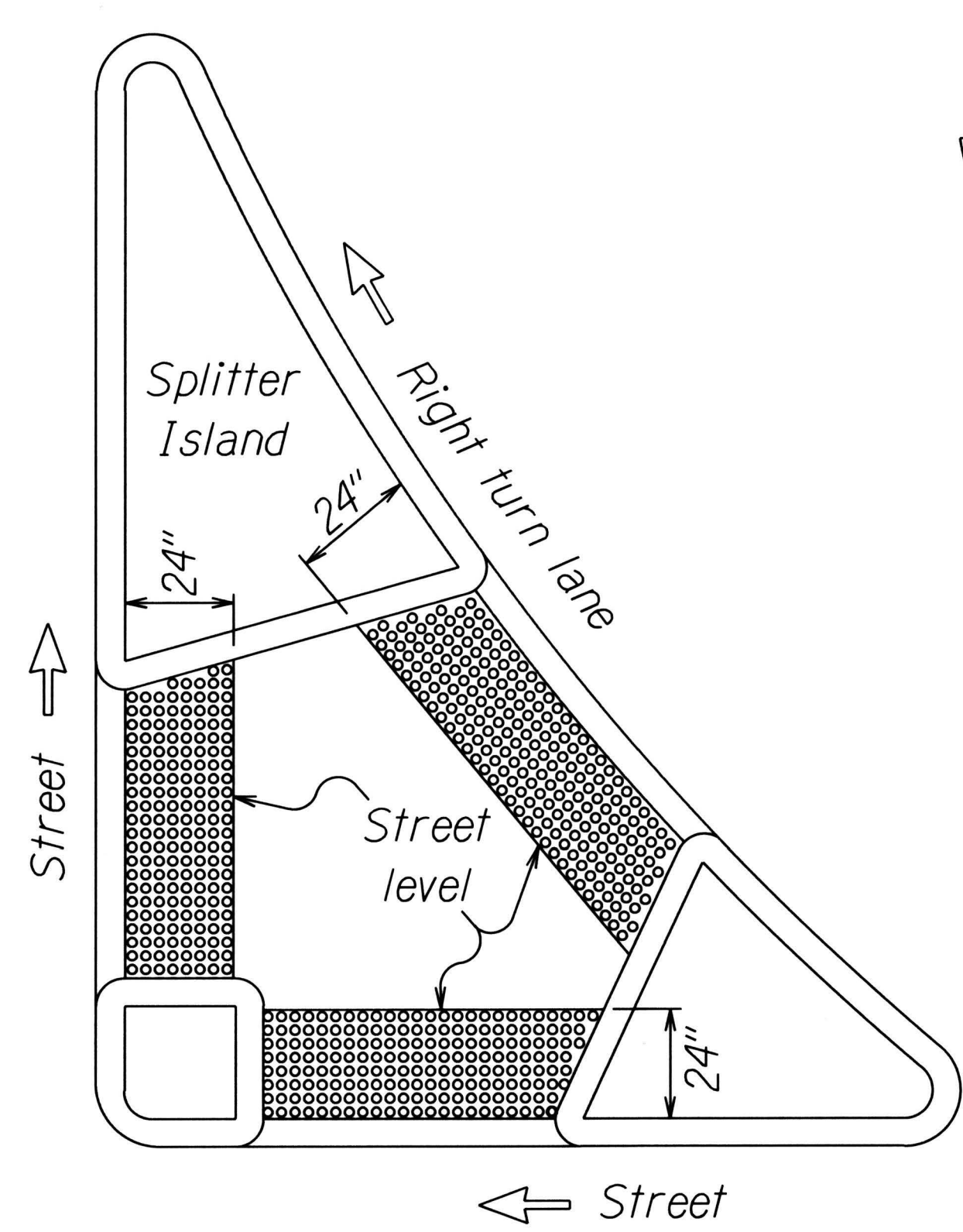
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-065-1(011)	2017	19	80



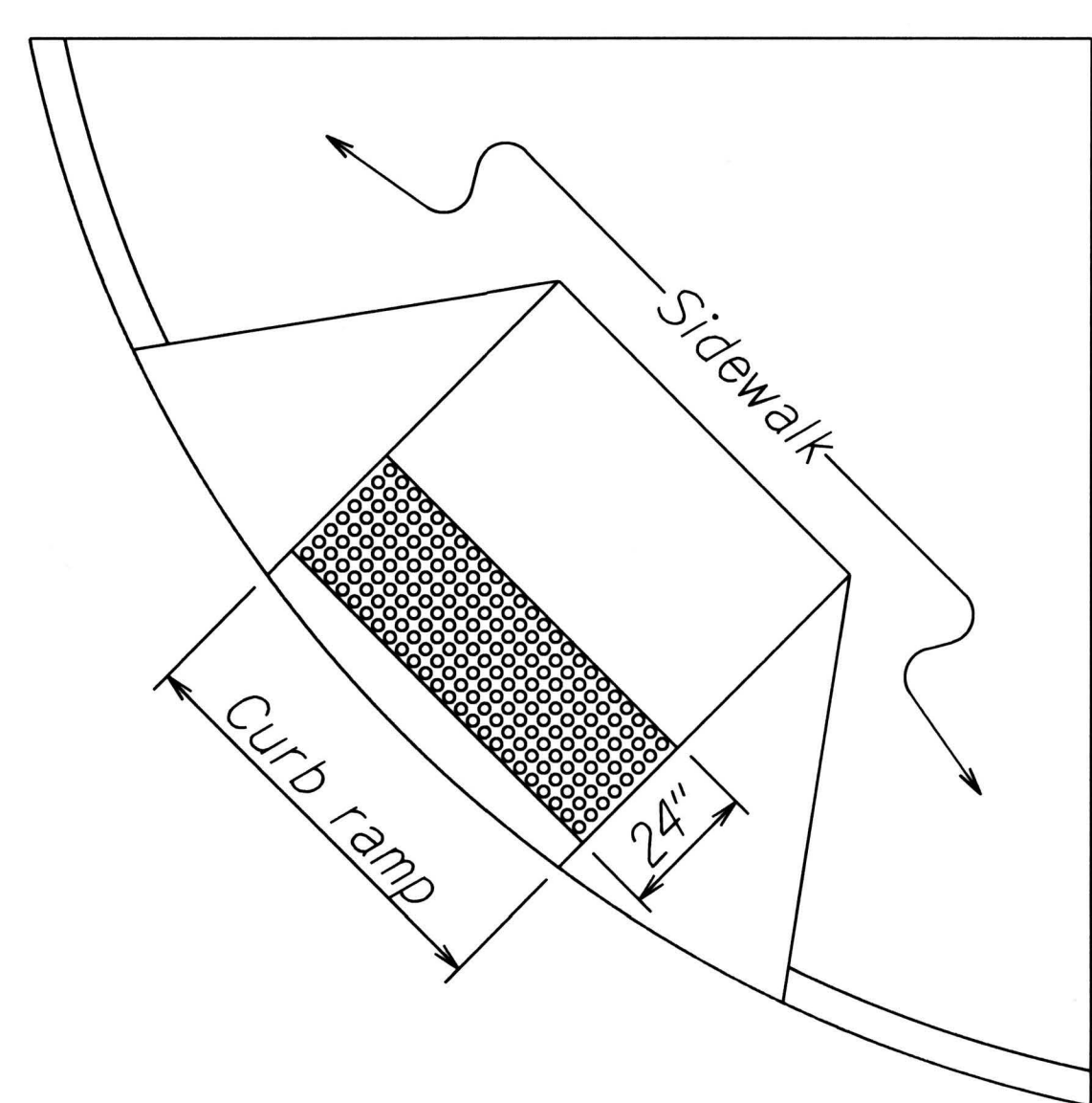
DETECTABLE WARNING AT CURB RAMP



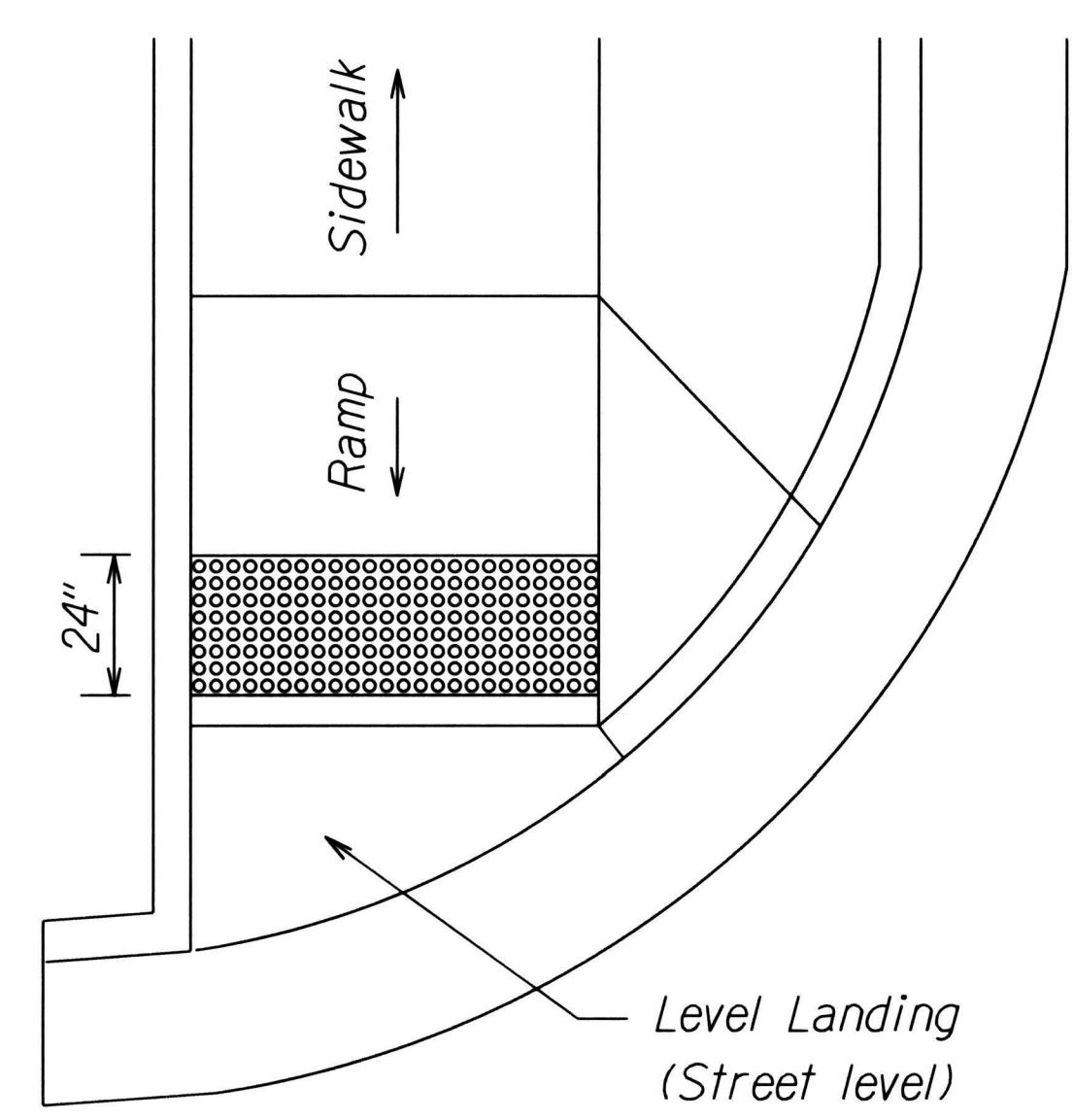
TRANSITION RAMP WITH DETECTABLE WARNING



REFUGE ISLAND WITH DETECTABLE WARNING



SHARED CURB RAMP WITH DETECTABLE WARNING



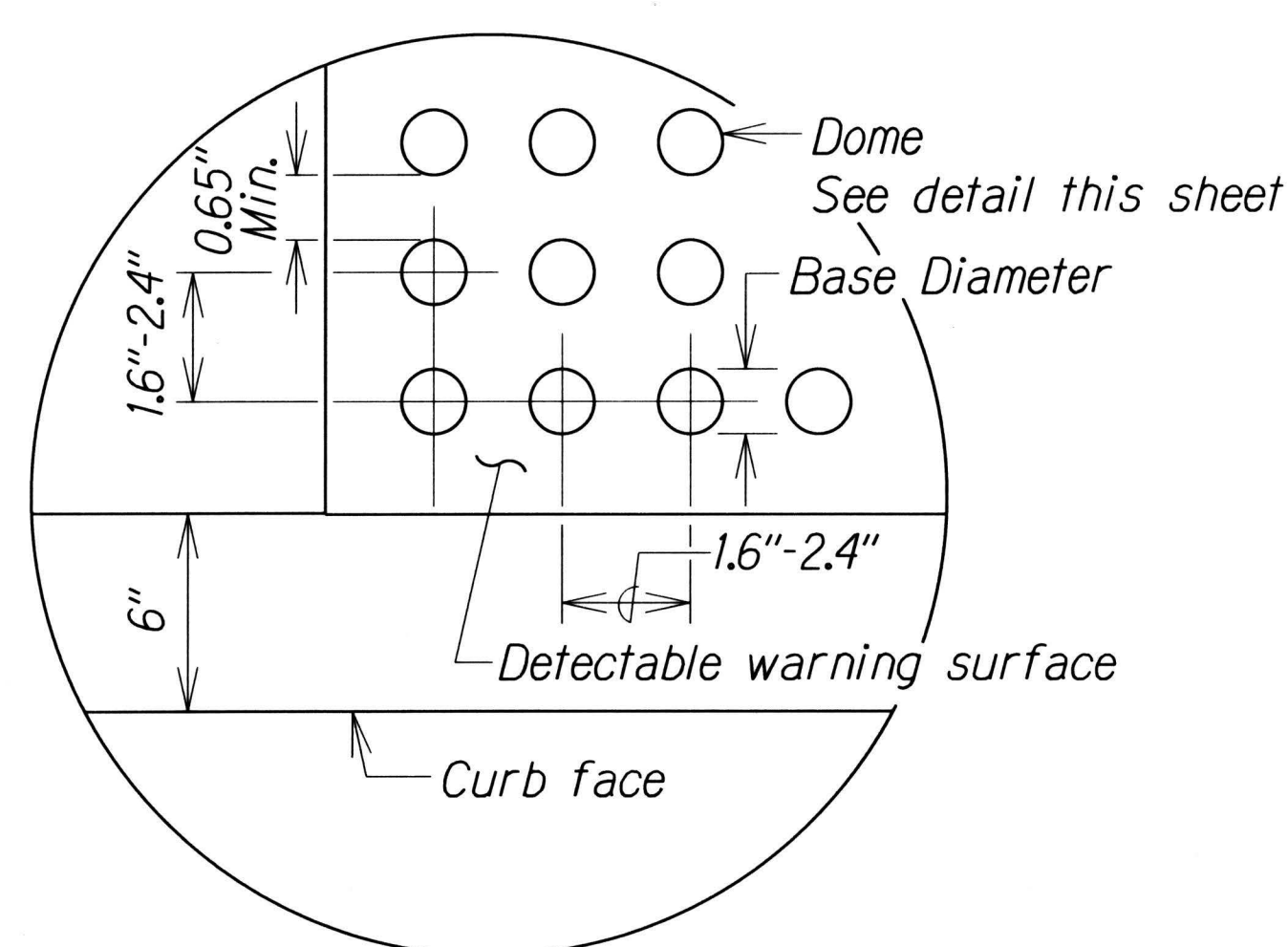
END OF SIDEWALK CURB RAMP WITH DETECTABLE WARNING

TYPICAL INSTALLATION OF DETECTABLE WARNINGS

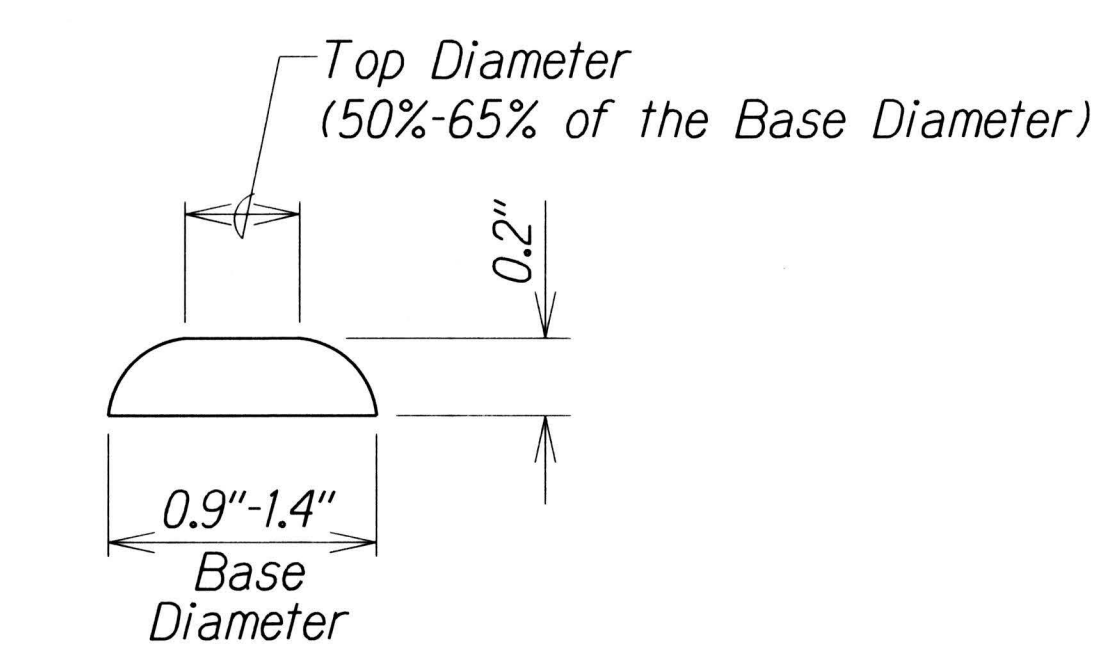
Not to Scale

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 to 1.4 inch at the bottom, a diameter of 50%-65% of the base diameter at the top, a height of 0.2 inch and a center-to-center spacing of 1.6 to 2.4 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. There shall be a minimum of 70 percent contrast in light reflectance between the detectable warning and an adjoining surface, or 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 to 8 inches from the curb line.



ENLARGEMENT



DOMES SECTION

DETECTABLE WARNING DETAIL

Not to Scale

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

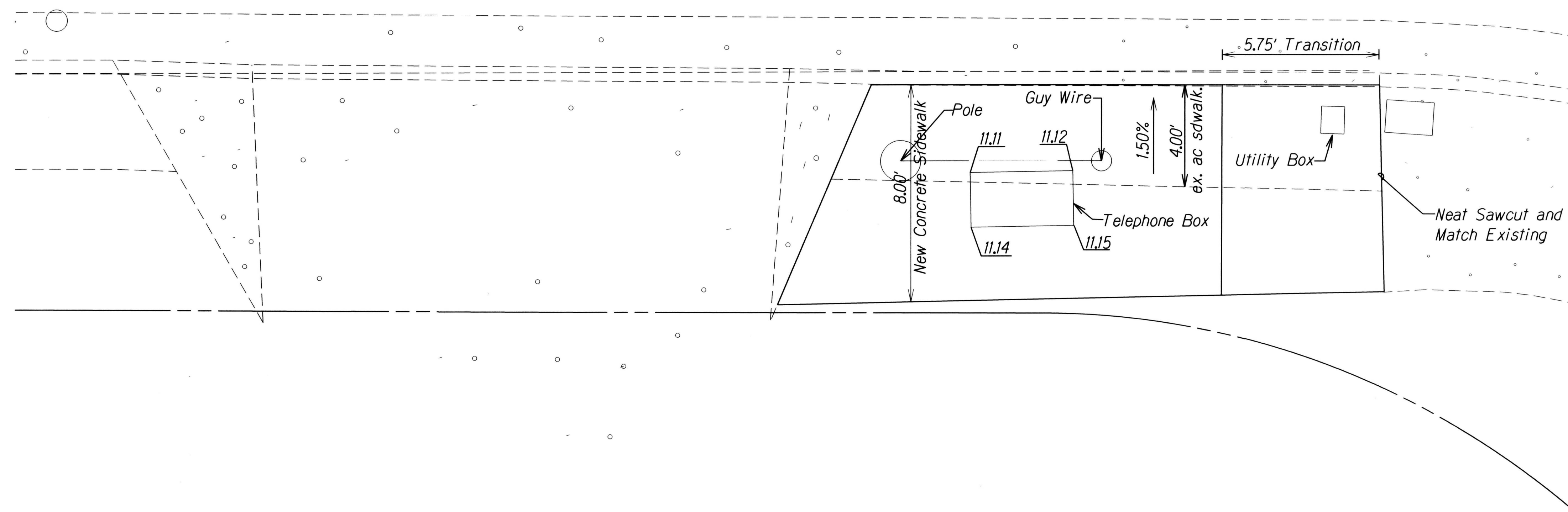
**DETECTABLE WARNING DETAILS**

MOKAPU SADDLE ROAD REHABILITATION  
Nanamoana Street to Oneawa Street  
Federal Aid Project No. STP-065-1(011)

Scale: Not to Scale      Date: March, 2017

SHEET No. 3 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-065-1(011)	2017	20	80



Sta. 48+32± to Sta. 48+11 Rt.  
Scale: 1.00" = 2.50'

Note: 1. Adjust telephone box to match Top of Grade.  
2. Existing utility box will remain in place.

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
NOTE BOOK	
NO.	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SIDEWALK DETAIL**

MOKAPU SADDLE ROAD REHABILITATION  
Nanamoana Street to Oneawa Street  
Federal Aid Project No. STP-065-1(011)

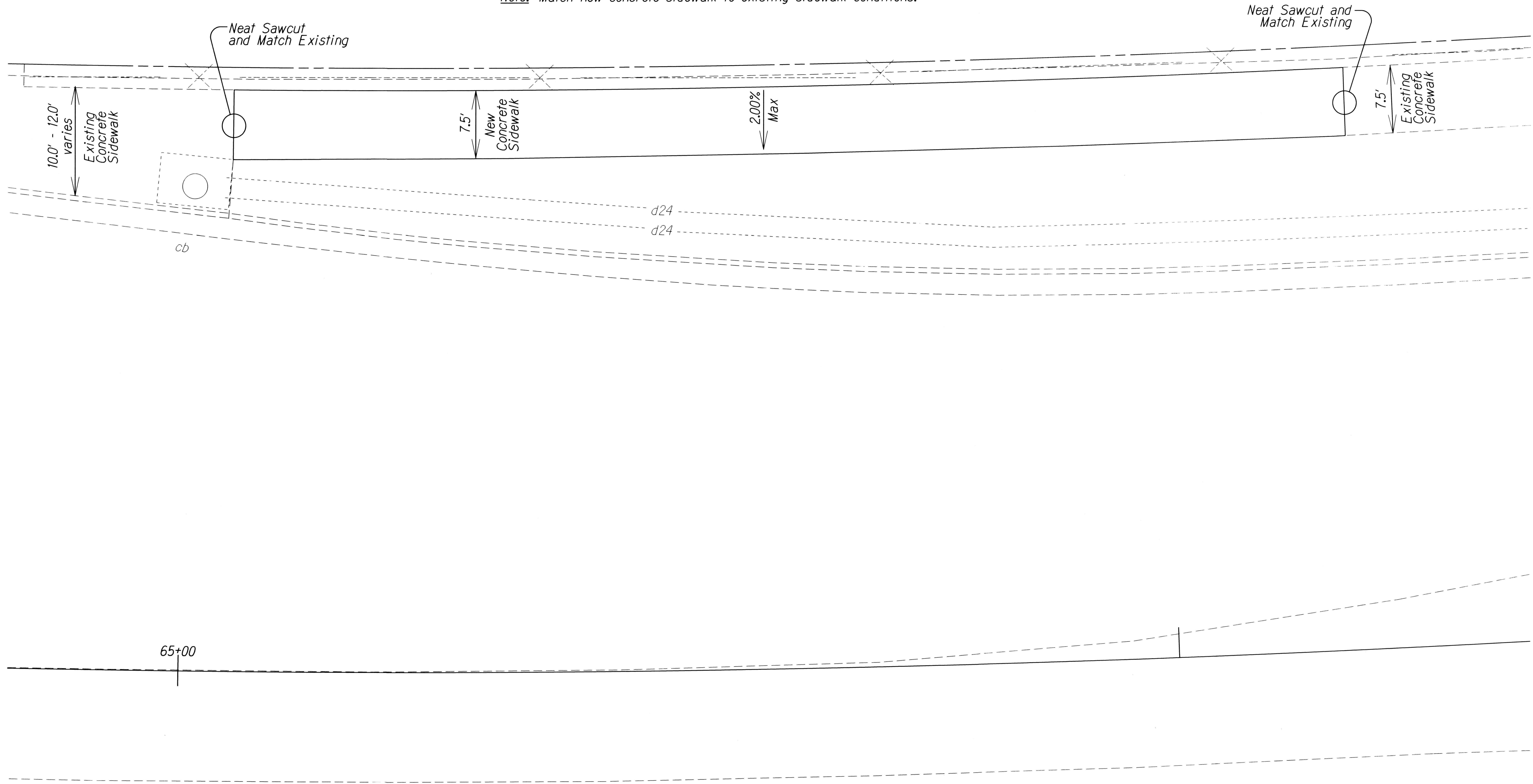
Scale: 1"=2.5' Date: March, 2017

SHEET No. 4 OF 5 SHEETS



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-065-1(011)	2017	21	80

Note: Match new concrete sidewalk to existing sidewalk conditions.



# Sta. 65+00 to # Sta. 66+24 Lt.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
  
**SIDEWALK DETAIL**  
MOKAPU SADDLE ROAD REHABILITATION  
Nanamoana Street to Oneawa Street  
Federal Aid Project No. STP-065-1(011)  
  
Scale: 1"=5'      Date: March, 2017  
SHEET No. 5 OF 5 SHEETS