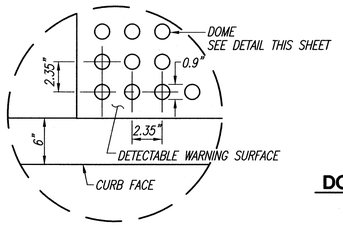
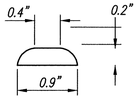
DETECTABLE WARNING NOTES:

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 AT THE BOTTOM, A DIAMETER 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. 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 OR OTHER POTENTIAL HAZARD, SUCH AS A REFLECTING POOL EDGE OR THE EDGE OF A TRANSIT PLATFORM.
7. THE DETECTABLE WARNING SHALL BE PREFORMED, THERMOPLASTIC MATERIAL CONFORMING TO FLINT TRADING CO.'S, TOPMARK DETECTABLE WARNING OR EQUAL AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS.



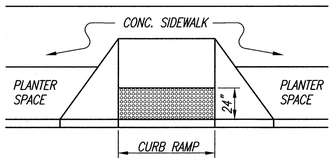
ENLARGEMENT



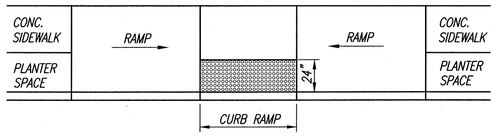
DOME SECTION

DETECTABLE WARNING DETAIL

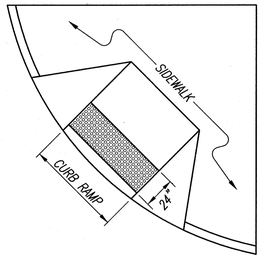
NOT TO SCALE



DETECTABLE WARNING AT CURB RAMP



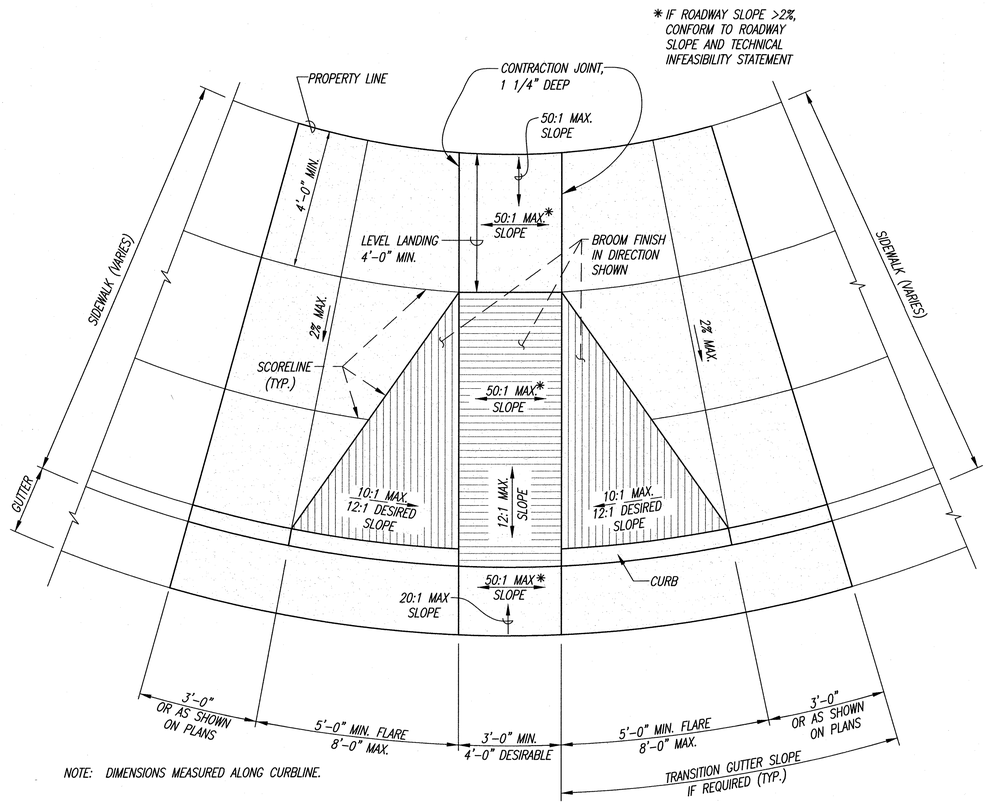
TRANSITION RAMP WITH DETECTABLE WARNING



SHARED CURB RAMP WITH DETECTABLE WARNING

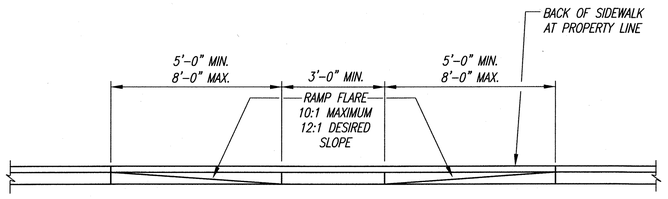
TYPICAL INSTALLATION OF DETECTABLE WARNINGS

NOT TO SCALE

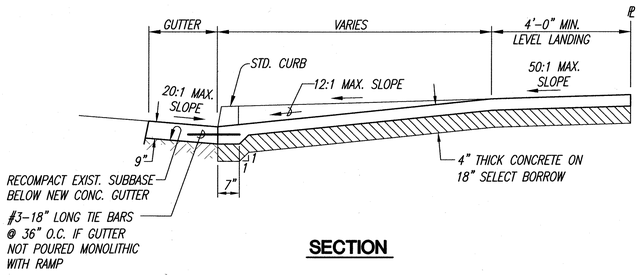


NOTE: DIMENSIONS MEASURED ALONG CURBLINE.

PLAN



ELEVATION



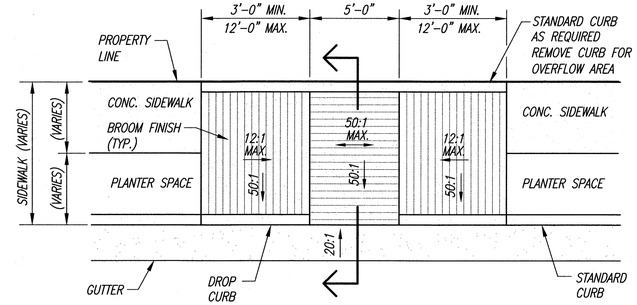
SECTION

CURB RAMP - TYPE "A"

NOT TO SCALE

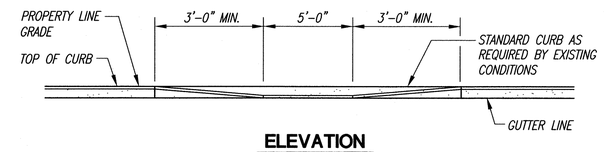
CURB RAMP GENERAL NOTES

1. THE CONSTRUCTION TOLERANCES FOR ADA CURB RAMP SLOPES PROVIDED IN THE SP SECTION FOR CURB RAMPS, WILL BE APPLIED, AS APPLICABLE, TO THE SLOPES REFLECTED ON THE PROJECT'S CURB RAMP DETAILS.
2. FOR CURB RAMPS AT CURB RETURNS, INSTALL EXPANSION JOINTS PER STANDARD DETAIL R-27, FULL WIDTH SIDEWALK AT CURB RETURN. EXPANSION JOINTS WILL NOT BE MEASURED SEPARATELY FOR PAYMENT. EXPANSION JOINTS SHALL BE CONSIDERED INCIDENTAL TO THE CURB RAMP CONTRACT ITEMS.
3. WHEN DIRECTED BY THE ENGINEER, SIDEWALK TRANSITION AREA SHALL BE EXTENDED BEYOND SHOWN PLAN LIMITS TO MATCH THE NEAREST SCORELINE.



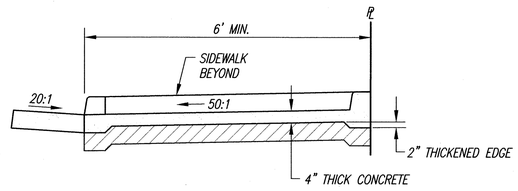
PLAN

SCALE: 1/8"=1'-0"



ELEVATION

SCALE: 1/8"=1'-0"



SECTION

SCALE: 1/4"=1'-0"

CURB RAMP - TYPE B

REVISION DATE	DESCRIPTION	MADE BY	APPROVED

Community Planning and Engineering, Inc.
Engineering Design | Construction Management | Infrastructure Planning
1100 Alakea Street, Sixth Floor Honolulu, Hawaii

EAST KAPOLEI II DEVELOPMENT ROAD "E"
HONOULIULI, EWA, OAHU, HAWAII
(DPP SUBD. FILE NO. 2010/SUB-115)
OWNER: DEPARTMENT OF LAND AND NATURAL RESOURCES
DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS
TAX MAP KEY: 9-1-17: Portion 110

TYPICAL CURB RAMP DETAILS

DRAWN BY: LYLT	ENGINEER: SS, FJC	CHECKED BY: AMM

APPROVED:

M. Tom 1/24/12
CHIEF, CIVIL ENGINEERING BRANCH, DPP DATE

ANSON M. MURAYAMA
LICENSED PROFESSIONAL ENGINEER
No. 6975-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/12

DWG. NO. C-16 SHEET 17 OF 61 SHEETS

FILE	POCKET	FOLDER	NO.

P:\Land Projects\DHHL East Kapolei II\Road E\Construction Drawings\Government Review #4\17 TYPICAL CURB RAMP DETAILS_GR#4.dwg, TYPICAL CURB RAMP DETAILS, 10/5/2011 10:27:42 AM, 1:1