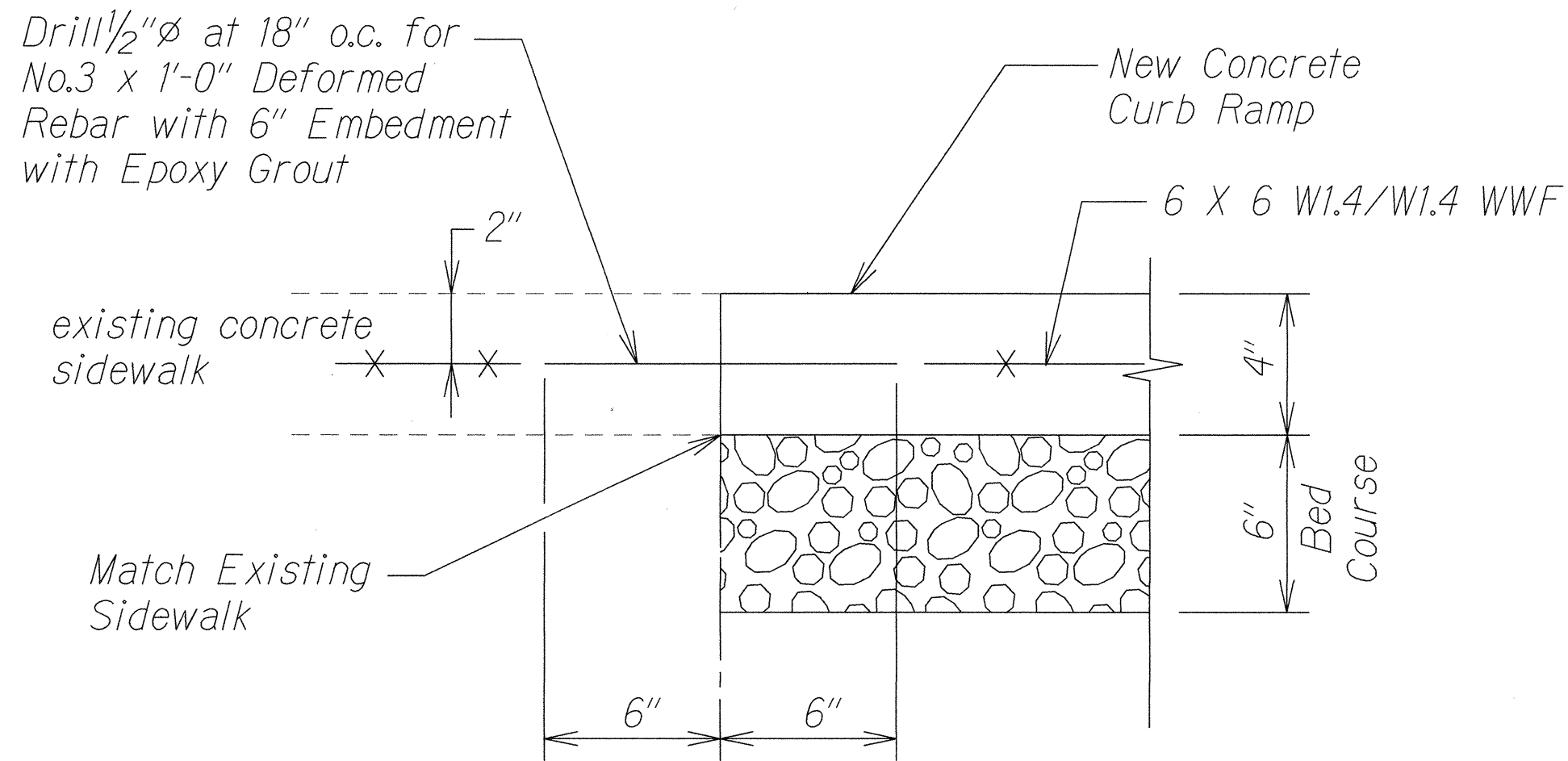
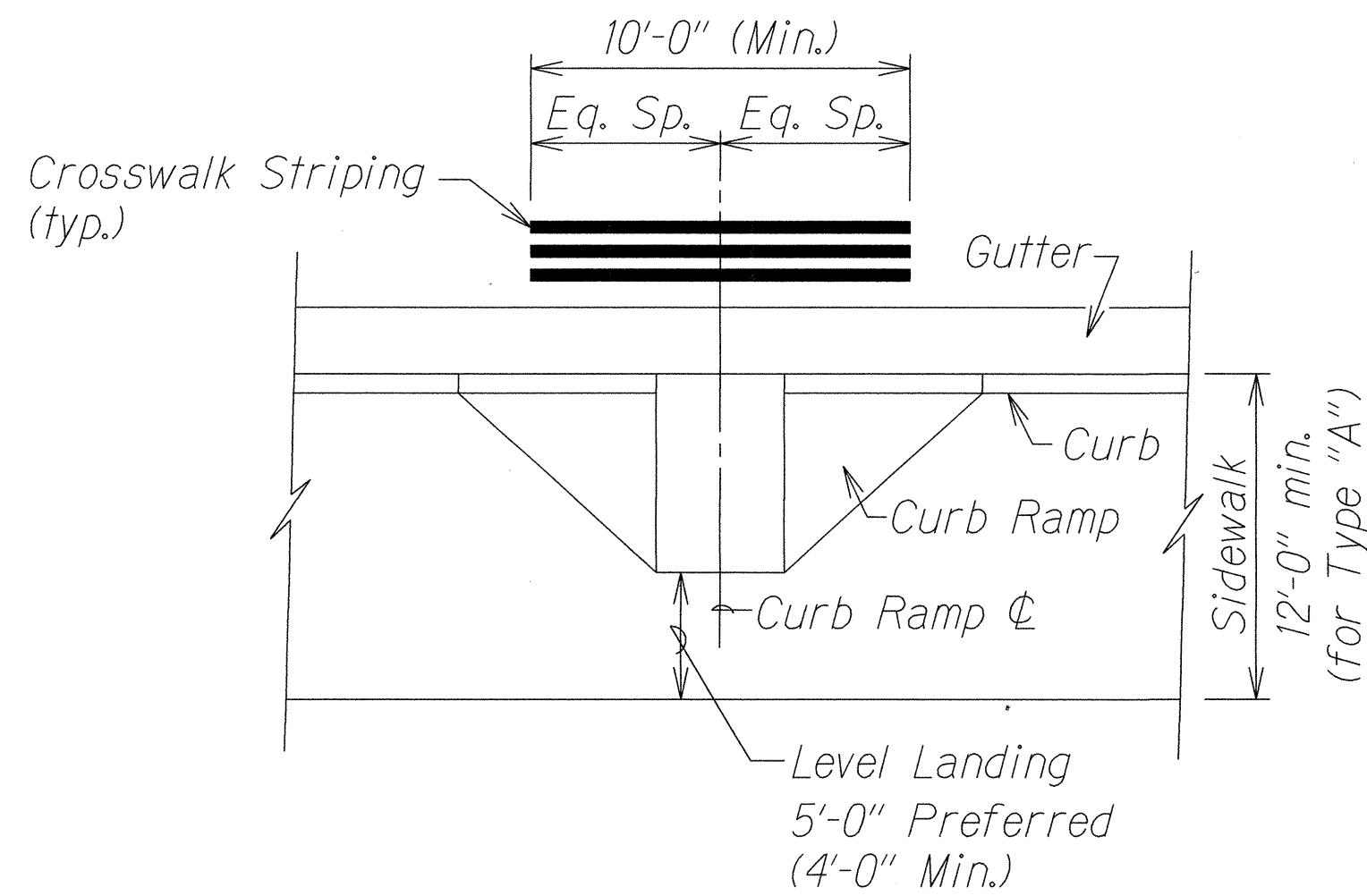


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	560A-03-99	2002	31	86

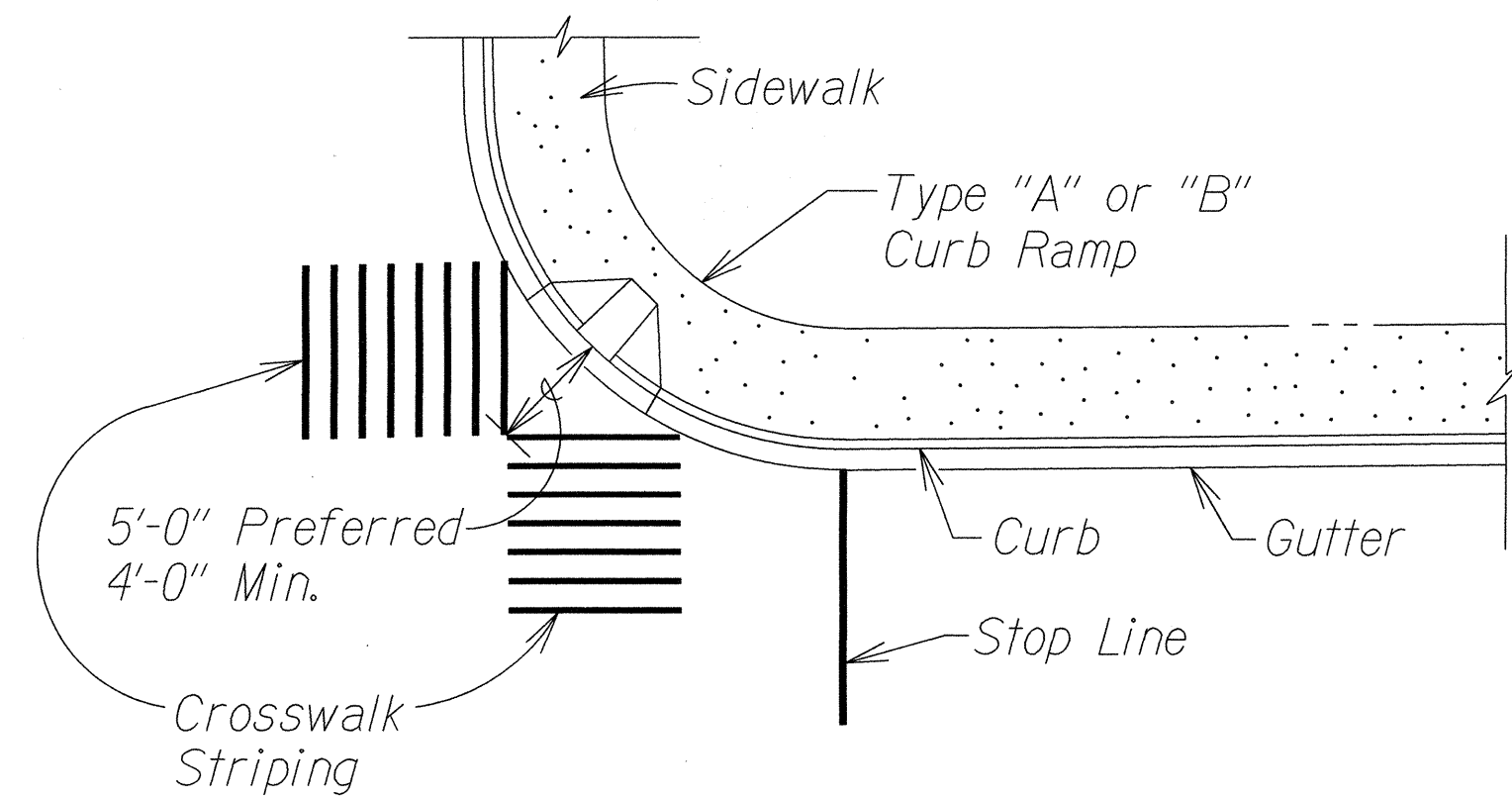


TYPICAL CONSTRUCTION JOINT
AT EXISTING SIDEWALK

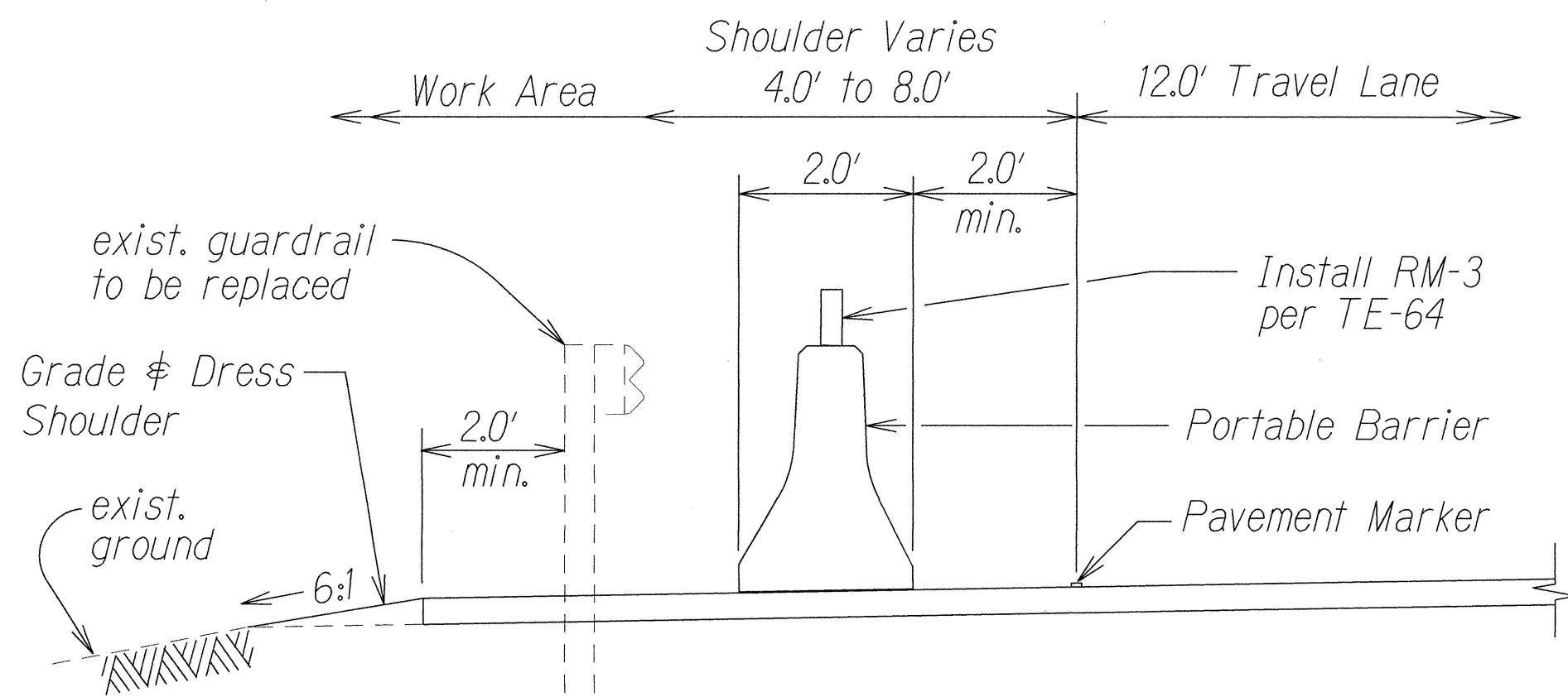
NOTES:
1. All curb ramps shall be reinforced.
2. Bed course material shall be considered incidental to the various curb ramp contract items.



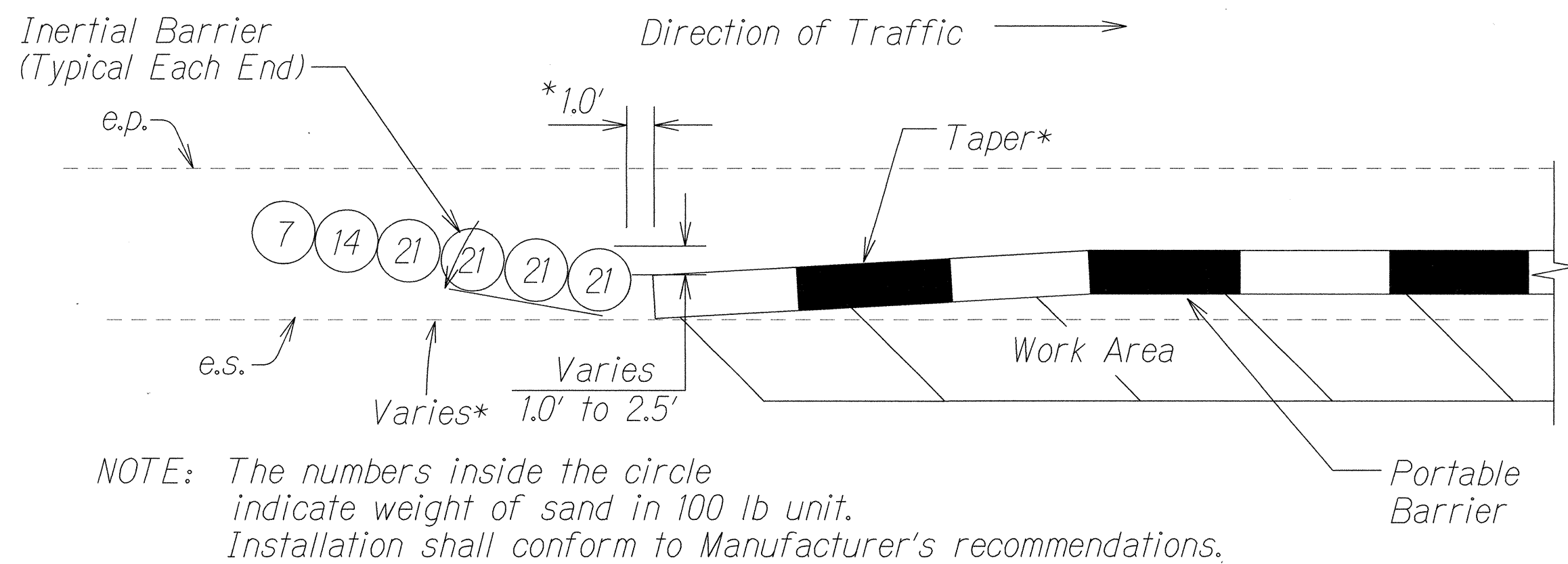
TYPICAL CROSSWALK STRIPING
AT CURB RAMP



TYPICAL CROSSWALK STRIPING
AT DIAGONAL CURB RAMP



TYPICAL DETAIL - PORTABLE BARRIER
Not To Scale



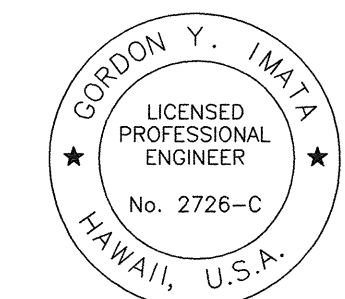
NOTE: The numbers inside the circle indicate weight of sand in 100 lb unit. Installation shall conform to Manufacturer's recommendations.

TYPICAL DETAIL - 6-MODULE INERTIAL BARRIER
Not To Scale

NOTES:

- Typical layout will vary based on speed and manufacturer of system used. Installation shall conform to Manufacturer's recommendations.
- Physical barriers shall be required whenever guardrails have been removed and will not be reinstalled at the end of the work day. See General Note No. 21 on Plan Sheet No. 3.
- Physical barriers shall be either portable concrete barriers or portable water-filled barriers. Installation of portable water-filled barriers shall conform to Manufacturer's recommendations as dictated by design speed and field conditions.
- Providing, transporting, placing, maintaining, relocating and removing physical barriers shall be considered incidental to the various items of work. See Section 645, TRAFFIC CONTROL DEVICES of the Special Provisions.
- Ends of portable barriers shall be protected with Inertial Barriers as shown below. Furnishing and installing inertial barriers shall be considered incidental to the various contract items.
- Furnishing and installing reflector markers (RM-3) over the portable barriers shall be considered incidental to the various contract items.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY JA	JAN. 2002
DESIGNED BY	DESIGNED BY	
CHECKED BY	CHECKED BY	
NOTED BY	NOTED BY	



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
[Signature]

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS DETAILS
KUHIO HIGHWAY
SHOULDER IMPROVEMENTS
Haena to Princeville
Project No. 560A-03-99
Not to Scale Date: February, 2002

SHEET No. 1 OF 2 SHEETS

