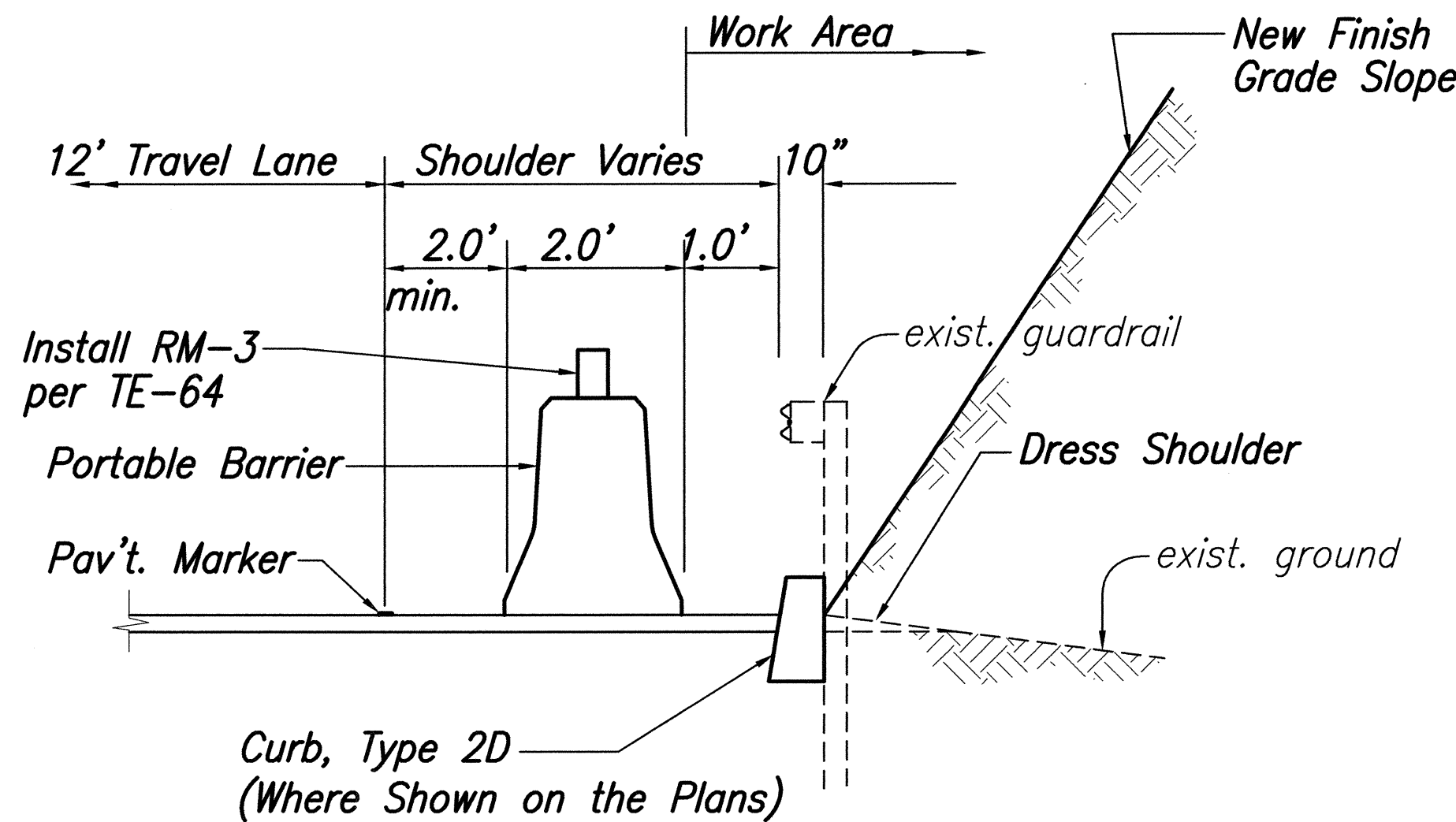
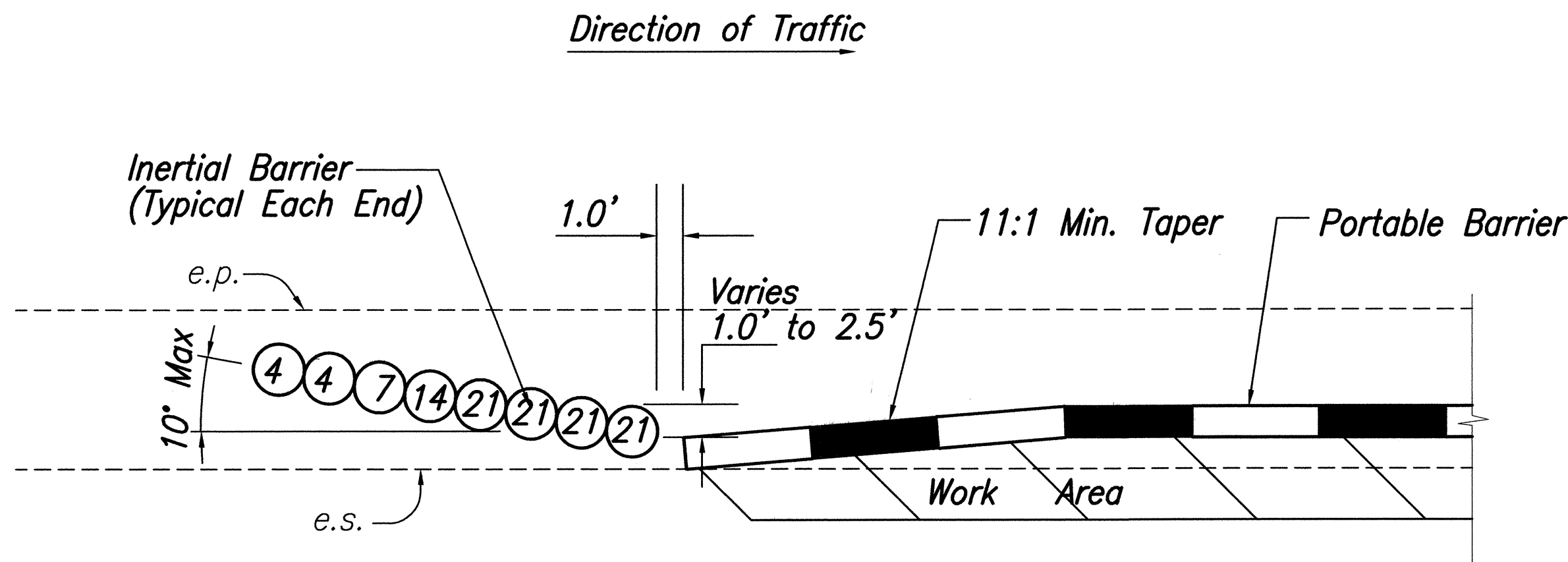


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-K-03-00	2002	13	30



TYPICAL DETAIL PHYSICAL 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 as dictated by design speed and field condition.

TYPICAL DETAIL
8-MODULE INERTIAL BARRIER
Not to Scale

NOTES:

1. Typical layout will vary based on speed and manufacturer of system used. Installation shall conform to Manufacturer's recommendations.
2. Physical barriers shall be required whenever guardrails have been removed and will not be reinstalled by the end of the work day. See General Note No. 10 on Plan Sht. No. 3.
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.
4. 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.
5. Ends of portable barriers shall be protected with Inertial Barriers as shown above. Furnishing and installing inertial barriers shall be considered incidental to the various contract items.
6. Furnishing and installing reflector marker (RM-3) over the portable barriers shall be considered incidental to the various contract items.
7. Install steady burn amber lamps on portable concrete barrier @ 20.0' o.c.. Installing, maintaining, and changing batteries of the Portable Mounted Steady Burn Amber Lamps shall be considered incidental to the various items of work.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED BY	DRAWN BY	8/17/01
DESIGNED BY	CHECKED BY	
QUANTITIES BY		
NO.		



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
Signature: *Pete G. Pascua* Expiration Date: 4/30/02
of the License

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PORTABLE PHYSICAL BARRIER
DETAILS
KUHIO HIGHWAY
Intersection Improvements
at South Leho Drive
Project No. HWY-K-03-00
Scale: As Noted Date: Nov. 26, 2001

SHEET No. 1 OF 1 SHEETS