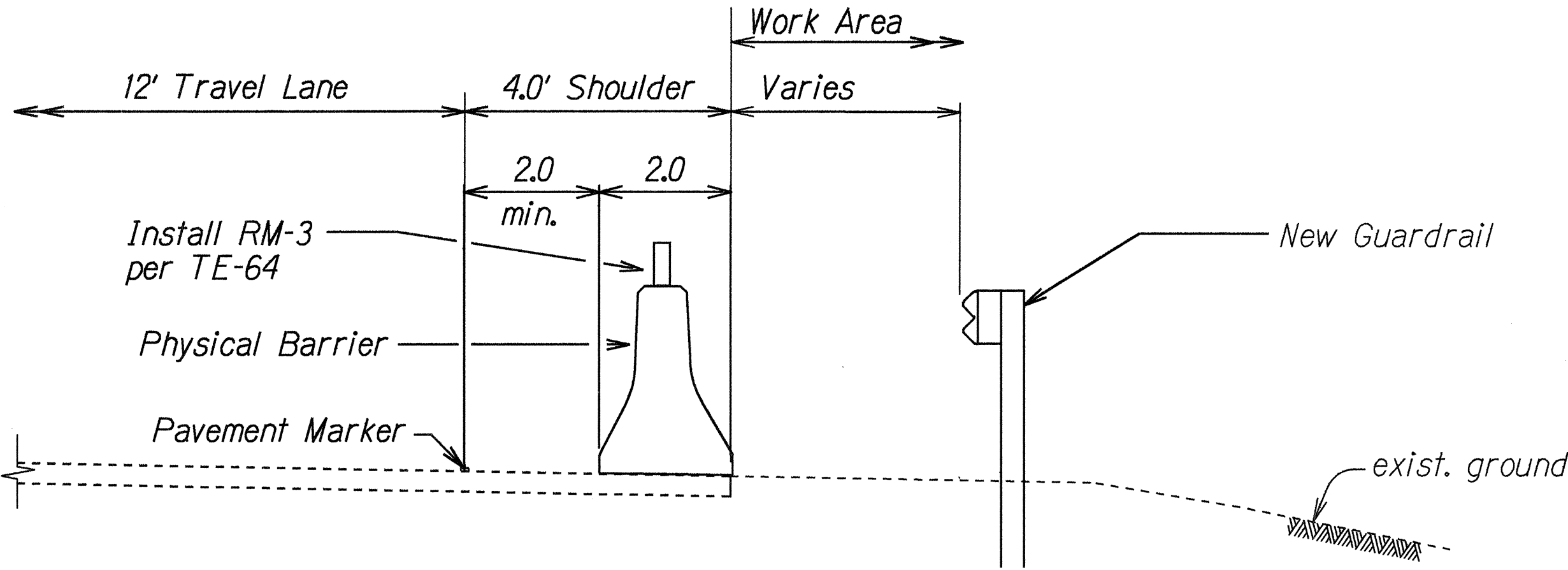
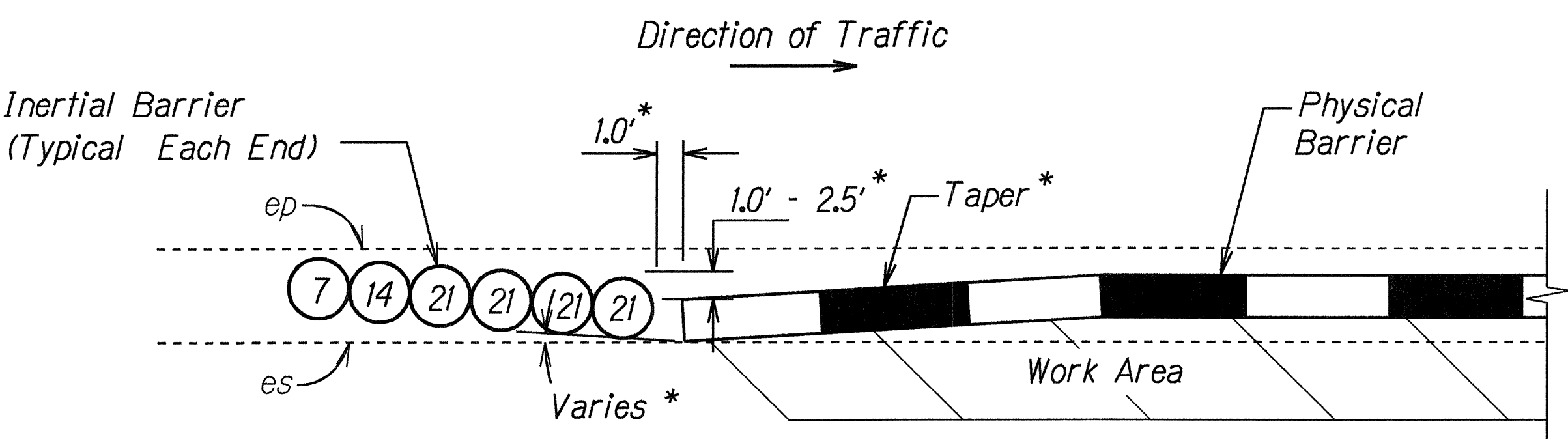


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-050-1(22)	2001	15	24



TYPICAL DETAIL  
PHSICAL 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:
- \*1. Typical layout will vary based on speed and manufacturer of system used. Installation shall conform to Manufacturer's recommendations, and Roadside Design Guide.
  - 2. Physical barriers shall be required whenever guardrails have been removed and will not be reinstalled at the end of the work day. See note 17 of General Notes (Plan Sheet Number 3).
  - 3. Physical barriers shall be either portable concrete barriers or portable water-filled barriers. Instalation 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 removal of 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 concrete barriers shall be protected with Inertial Barriers as shown above.

ORIGINAL	SURVEY PLOTTED BY	Aug 31 1998
PLAN	DRAWN BY	
REVISED	TRACED BY	
DESIGNED BY	ekmsk	
CHECKED BY	ms02dgn	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**PORTABLE PHYSICAL BARRIER**  
**DETAILS**  
KAUMUALII HIGHWAY GUARDRAIL AND  
SHOULDER IMPROVEMENTS  
AT VARIOUS LOCATIONS  
FED. AID PROJECT NO. STP-050-1(22)  
Scale: As Shown Date: August, 2000

SHEET No. 1 OF 1 SHEETS