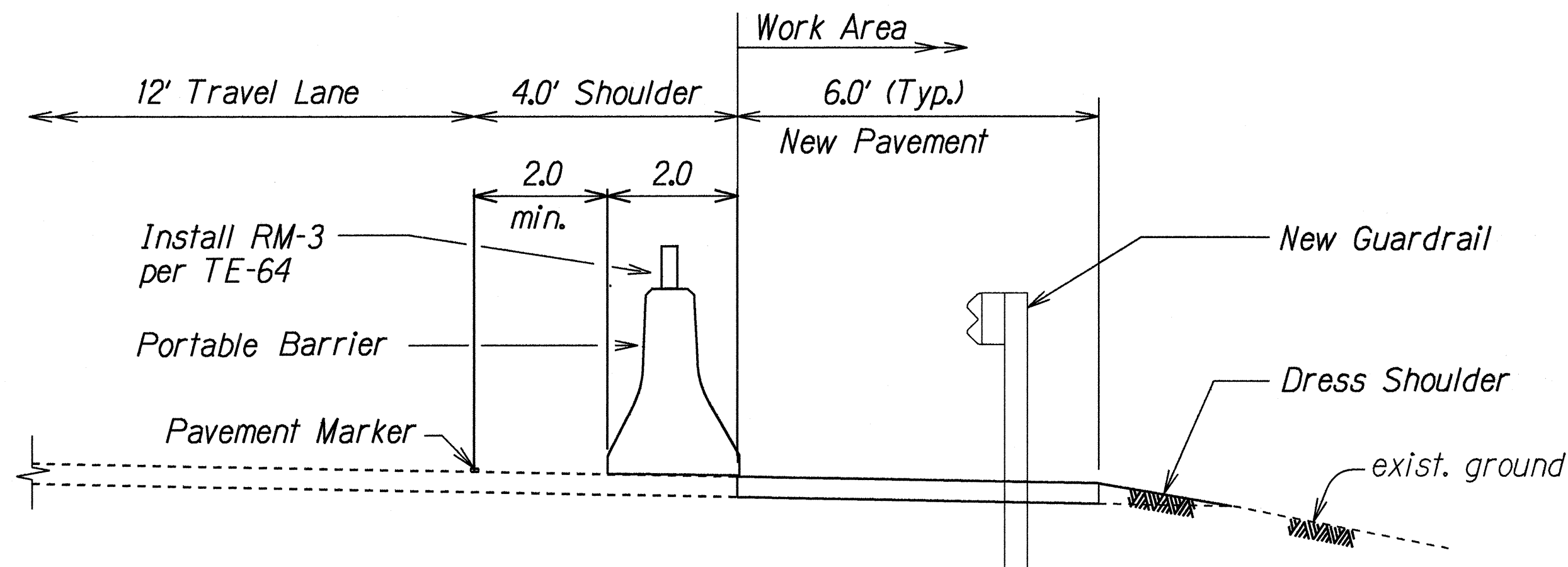
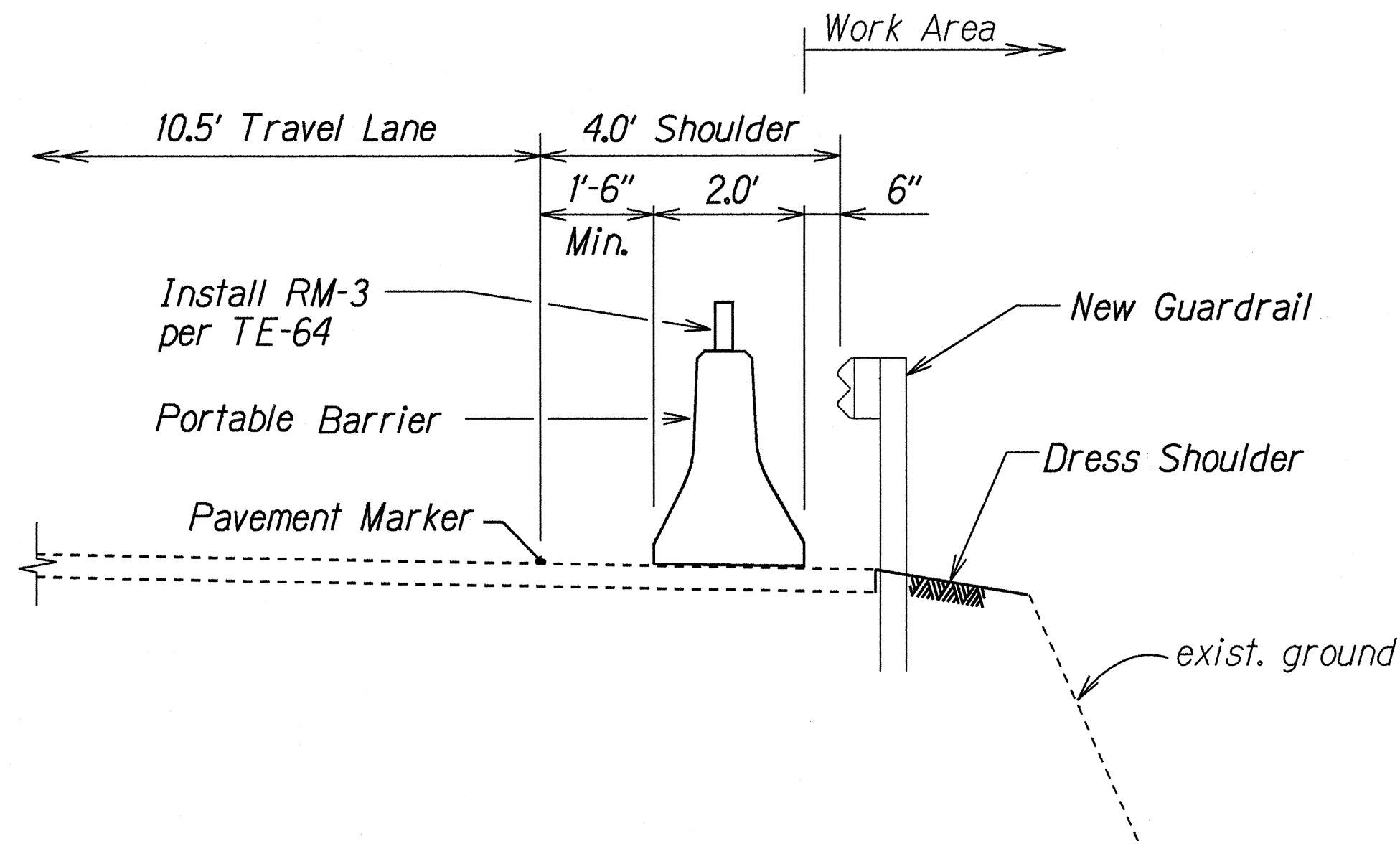


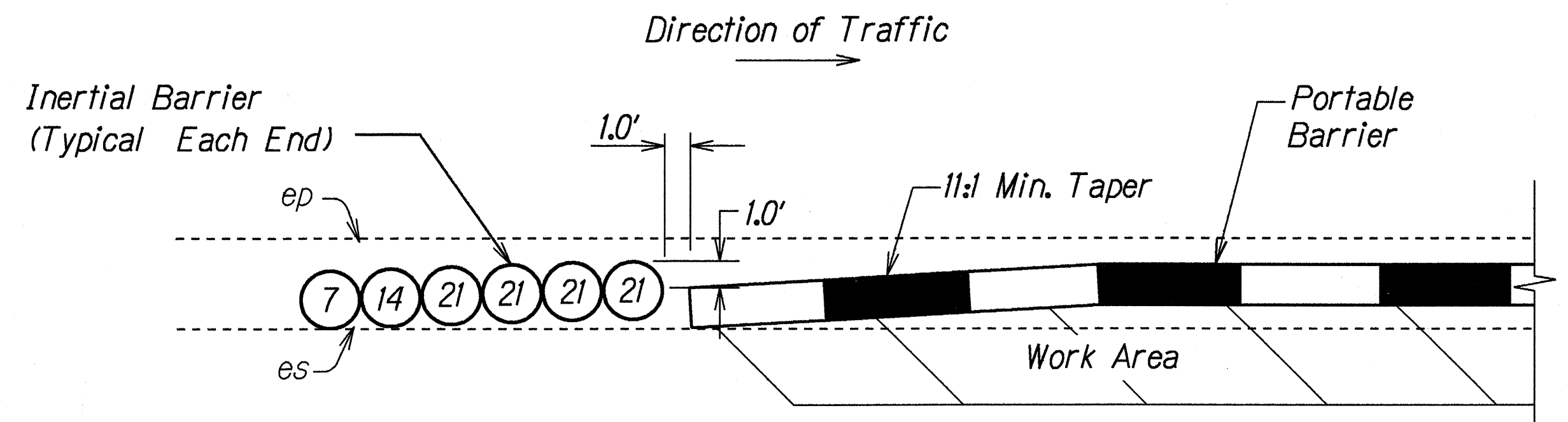
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(40)	1998	5	13



TYPICAL DETAIL  
PORTABLE BARRIER  
Not To Scale



PORTABLE BARRIER DETAIL  
KUHIO HIGHWAY - M.P. 4.03 TO M. P. 4.91  
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:

- Physical barriers shall be required whenever guardrails have been removed and will not be reinstalled at the end of the work day. See note 18 of General Notes (Plan Sheet Number 3).
- Physical barriers shall be either portable concrete barriers or portable water filled barriers.
- 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.
- The State will provide to the contractor, at no cost, portable concrete barriers available at the Kapaa Baseyard. The Contractor shall be responsible for hauling barrier panels from the Baseyard, furnishing the pins required to pin the panels to each other as shown on Standard Plan TE-64, installing reflector markers (RM-3) over the concrete barriers, and cleaning and hauling the panels back to the Kapaa Baseyard upon completion of the project
- Portable barriers available from the State shall be limited to the following:  

LENGTH	NUMBER
12'-6"	16
20'-0"	20
- If additional Portable Barriers are required, it shall be the Contractor's responsibility to supply them as stipulated in note 3.

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	12-20-97
DRAWN BY	
TRACED BY	
DESIGNED BY	
CHECKED BY	
NOTED BY	
APPROVED BY	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

PORTABLE PHYSICAL BARRIER DETAIL

KAPULE HIGHWAY AND KUHIO HIGHWAY  
Guardrail and Shoulder  
Improvements at Various Locations  
Fed. Aid Project No. STP-0700(40)  
Scale: As Shown  
Date: Dec., 1997

SHEET No. 1 OF 1 SHEETS