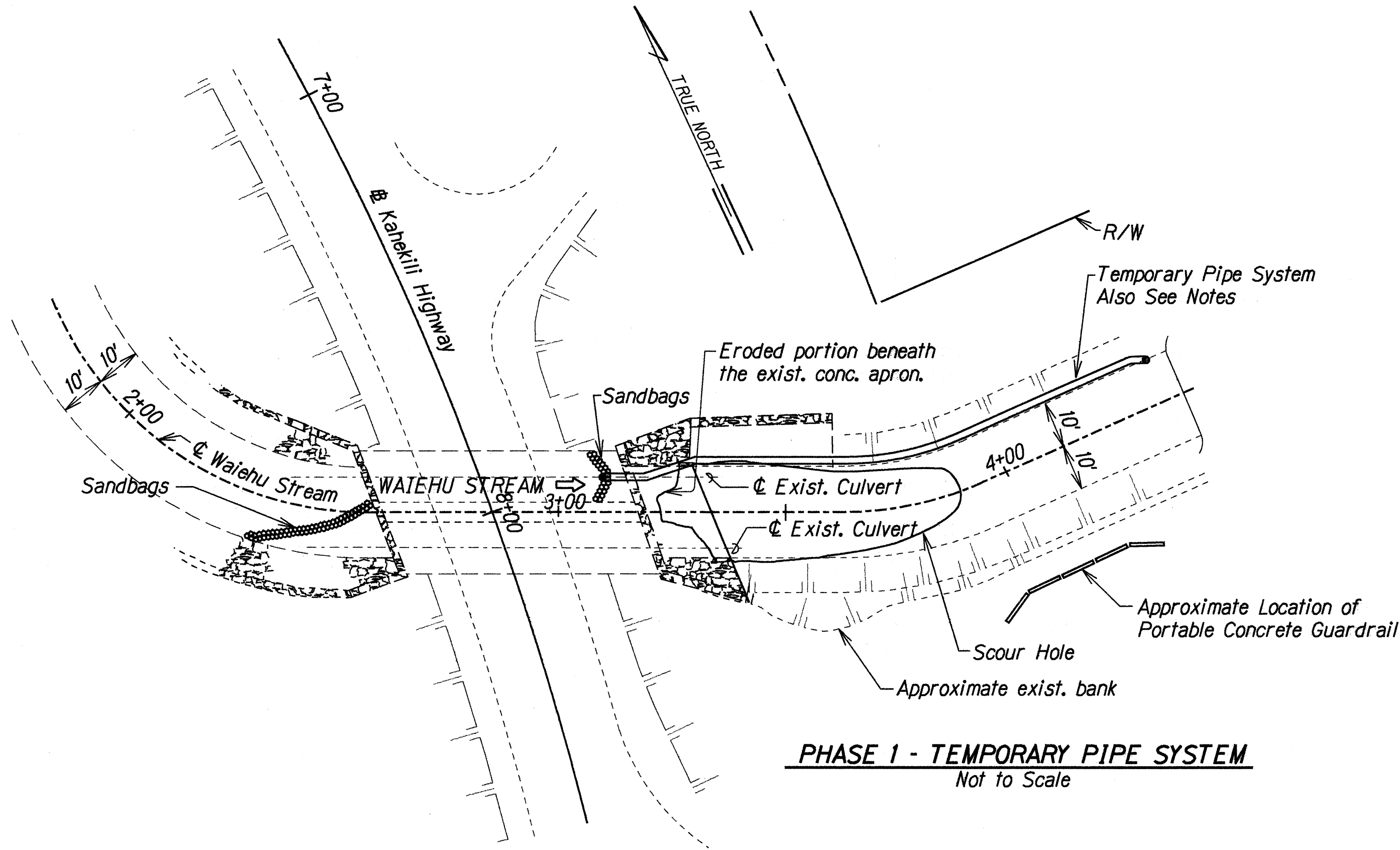
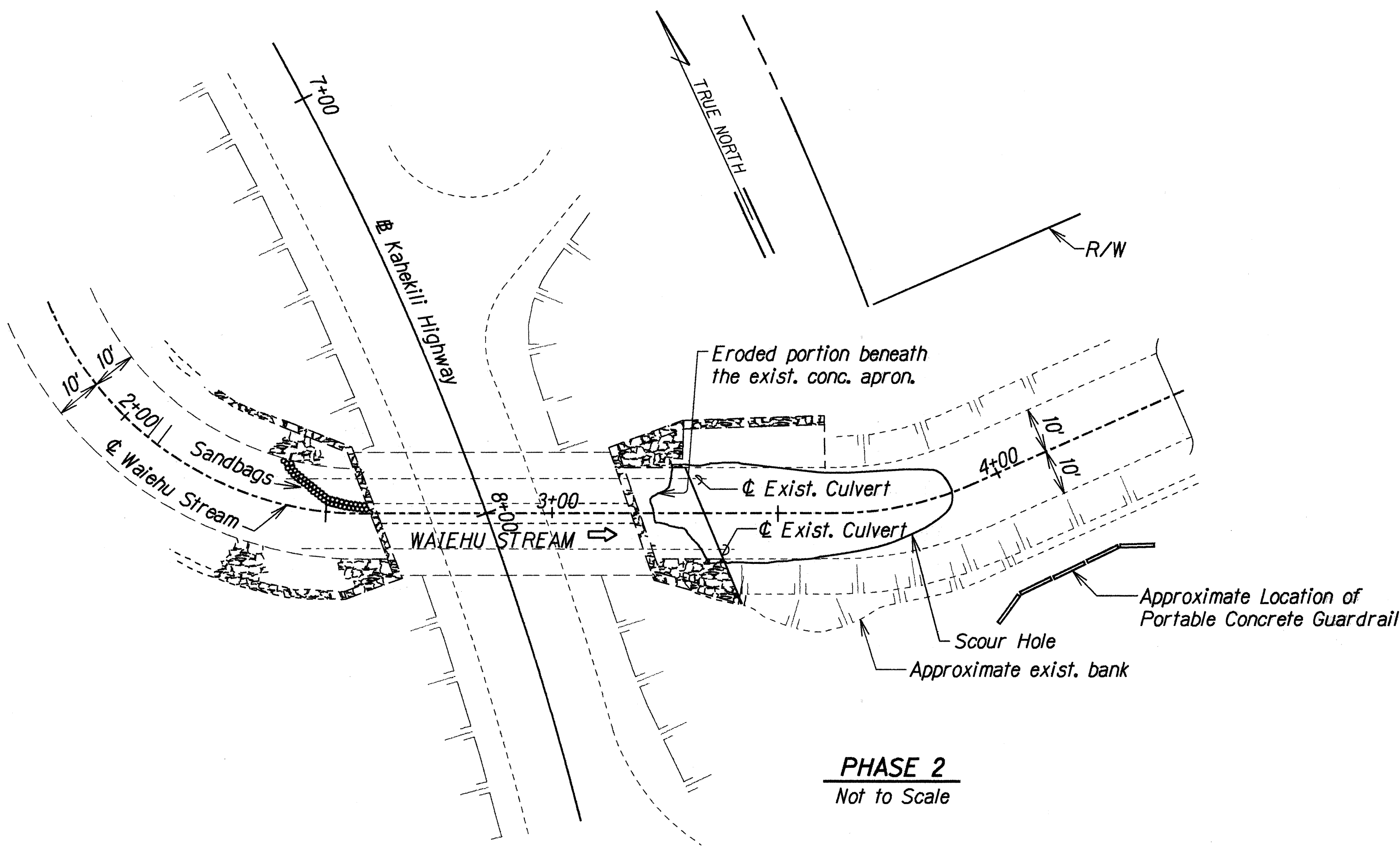


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	340C-01-96M	1996	2	6



PHASE 1 - TEMPORARY PIPE SYSTEM
Not to Scale



PHASE 2
Not to Scale

Notes:

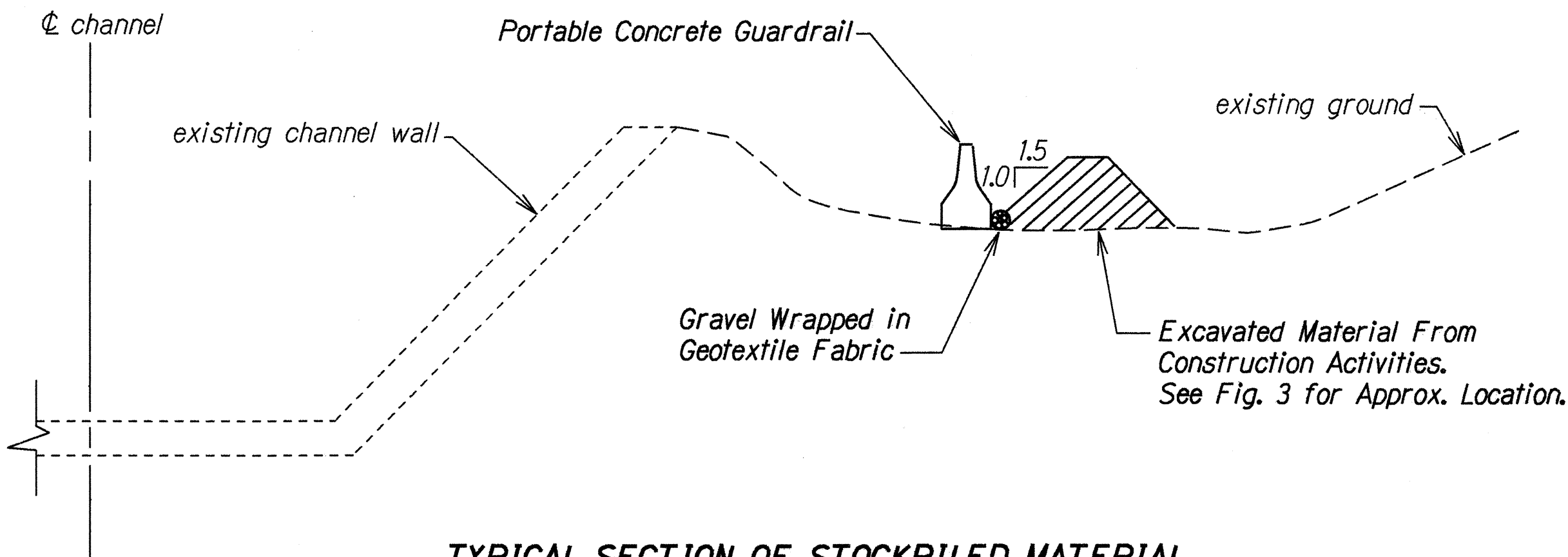
PHASE 1

- 1) Guide water into culvert on left side of stream centerline with sand bags so that water flows through temporary pipe system.
- 2) Pipe material may consist of lightweight corrugated metal or polyethylene of sufficient size to manage normal base flow.
- 3) Exact location and dimentions of the temporary Pipe System and portable concrete guardrail shall be determined in the field by the Engineer.
- 4) Phase 1 construction consists of pumpcreting beneath the existing concrete apron, filling the scour hole, and repair of the culvert invert on the right side of the stream centerline.

PHASE 2

- 1) Remove the temporary Pipe System established in Phase 1 and place sandbags to block water from entering the culvert on the left side of the channel centerline. Water will be allowed to flow through the repaired culvert on the right side of the channel centerline.
- 2) Phase 2 construction consists of repairing the culvert invert on the left side of the stream centerline.

- * If the contractor elects to implement BMP's which devite from those submitted by DOT, he shall resubmit plans to the Department of Health for reevaluation and reapproval.
- * The Contractor shall adhere to all the requirements of the applicable permits for the subject project, including the Water Quality Certification (401) Permit and the Department of the Army (404) Nationwide Permit. Copies of the approved permits may be acquired from the State Highways Construction Branch at 869 Punchbowl Street, Rm. No. 203 or from the State Highways Maui District Office at 650 Palapala Drive.



TYPICAL SECTION OF STOCKPILED MATERIAL
Not to Scale

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

BMP DETAILS

KAHEKILI HIGHWAY
Waiehu Twin Culvert Repair
Project No. 340C-01-96M

Scale: Not to Scale
SHEET No. 1 OF 1 SHEETS

Date: Dec., 1995

ORIGINAL PLAN	DATE	1/2/96
SURVEY PLOTTED BY		
DESIGNED BY		
QUANTITIES BY		
CHECKED BY		