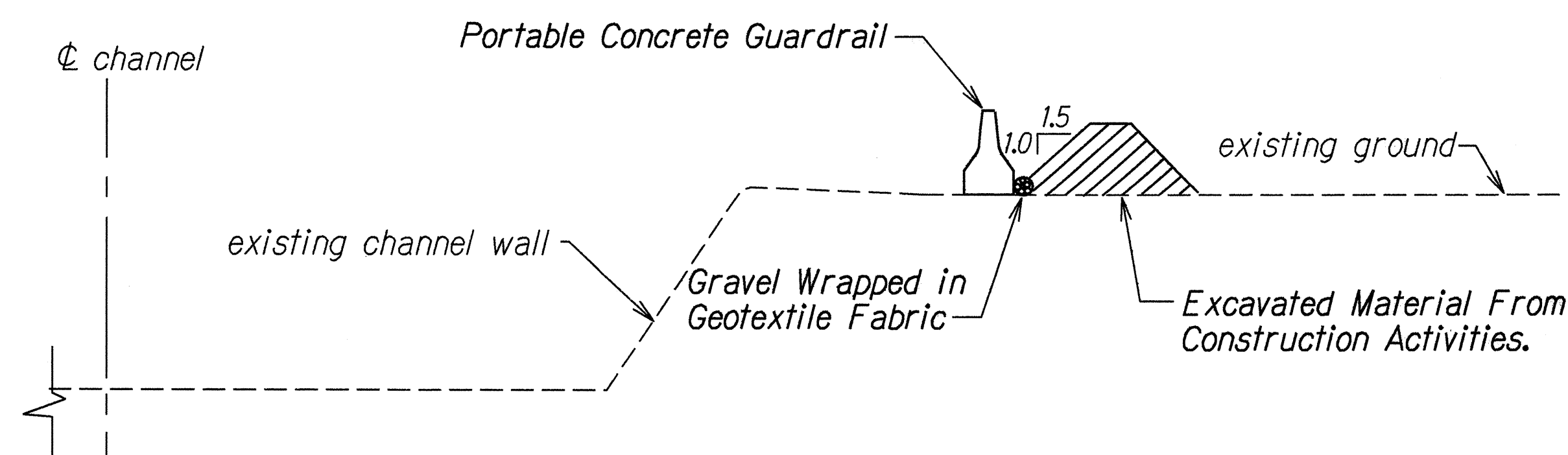
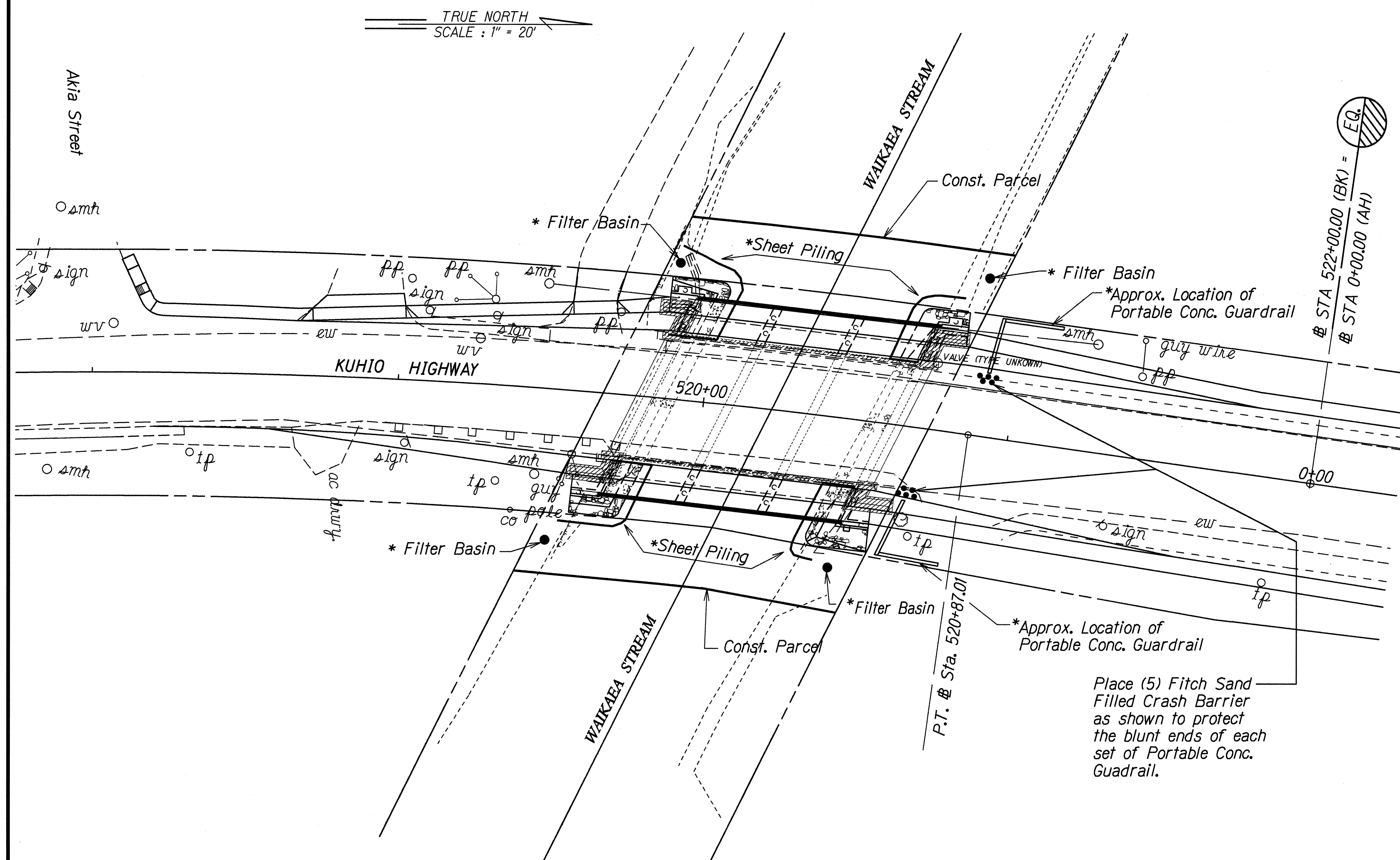


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-STP-056-1(35)	2000	4	70

# BMP NOTES:

\* BMP measures for prevention of pollution in streams.

- The Contractor shall use driven sheet piles to enclose the areas surrounding the abutments and GRP. The areas enclosed behind the sheet pilings may then be dewatered to allow excavation and subsequent concrete pour to take place. The dewatered water shall be treated in filter basins and allowed to be discharged back into the stream, downstream of the construction area.
- The Contractor's attention is directed toward Plan Sheet No. 52\_NPDES General Notes and Section 209 of the Special Provisions.
- The Contractor shall adhere to all the requirements of the applicable permits for the subject project, including the water quality certification (401 permit), the Dept. of the Army (404) permit, and the stream channel alteration (SCAP) permit, copies of the approved permits may be acquired from the State DOT Highways Construction Office at 869 Punchbowl Street or at the State DOT Highways Kauai District Office at 3060 Eiwa Street.
- If the Contractor elects to implement BMP's which deviate from those submitted by DOT, he shall resubmit plans to the Department of Health for reevaluation and reapproval.
- The Contractor's attention is directed to the live sewer line on the West side of Waikaea Bridge. The Contractor shall be required to conduct "before and after sheet piling operations" evaluations to ensure that the sewer line is not adversely affected. Furthermore, the Contractor shall be held liable for any damages incurred to the existing facilities as a result of his operations.
- All excavated material shall be temporarily stockpiled, a minimum lateral distance of ten (10) feet from the stream, behind portable concrete guardrails. Gravel wrapped in geotextile fabric shall be placed at the base of the excavated material, nearer the guardrail, to facilitate drainage and filter silt materials. Upon completion of the abutment and wingwall construction, the stockpiled material may be used as backfill material. Any excavated material that is not used as backfill shall be stockpiled and sufficiently dried at the State DOT Highways Kauai District baseyard before disposing at a landfill. The cost for disposal of the surplus material shall be considered incidental to item 206.7201 Structure Backfill for Bridge and Wingwalls.



**TYPICAL SECTION OF STOCKPILED MATERIAL**  
Not to Scale

ORIGINAL PLAN	DATE
DESIGNED BY S. HIRAKAWA	10/2/99
CHECKED BY S. HIRAKAWA	
NOTED BY S. HIRAKAWA	
QUANTITIES BY S. HIRAKAWA	
CHECKED BY S. HIRAKAWA	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**BMP DETAILS AND NOTES**  
  
**KUHIO HIGHWAY**  
**Waikaea Bridge Widening**  
**Fed-Aid Proj. No. BR-STP-056-1(35)**  
Scale: 1"=20'      Date: Aug, 1999  
SHEET No. 1 OF 1 SHEETS