

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	360-01-82	1982	2	2

PROJECT DESCRIPTION

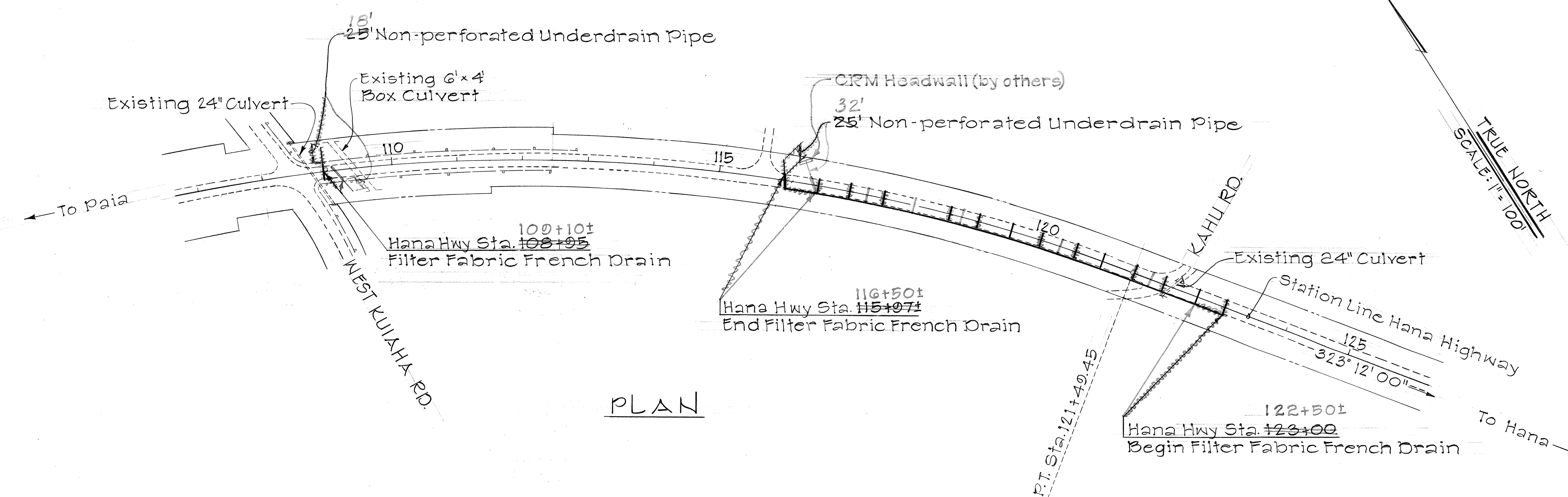
This project begins near the intersection of Hana Highway and West Kuiaha Road and extends in the southeasterly direction. Improvements consist of installing longitudinal and transverse Filter Fabric French Drains. The length of project is ~~0.266~~^{0.254} mile.

Hana Hwy Sta ~~108+95~~¹⁰⁹⁺¹⁰¹ 116+501 122+501
Hana Hwy Sta ~~115+97~~¹¹⁵⁺⁰⁷¹ to Sta ~~123+00~~¹²³⁺⁰⁰
Construct Filter Fabric French Drain

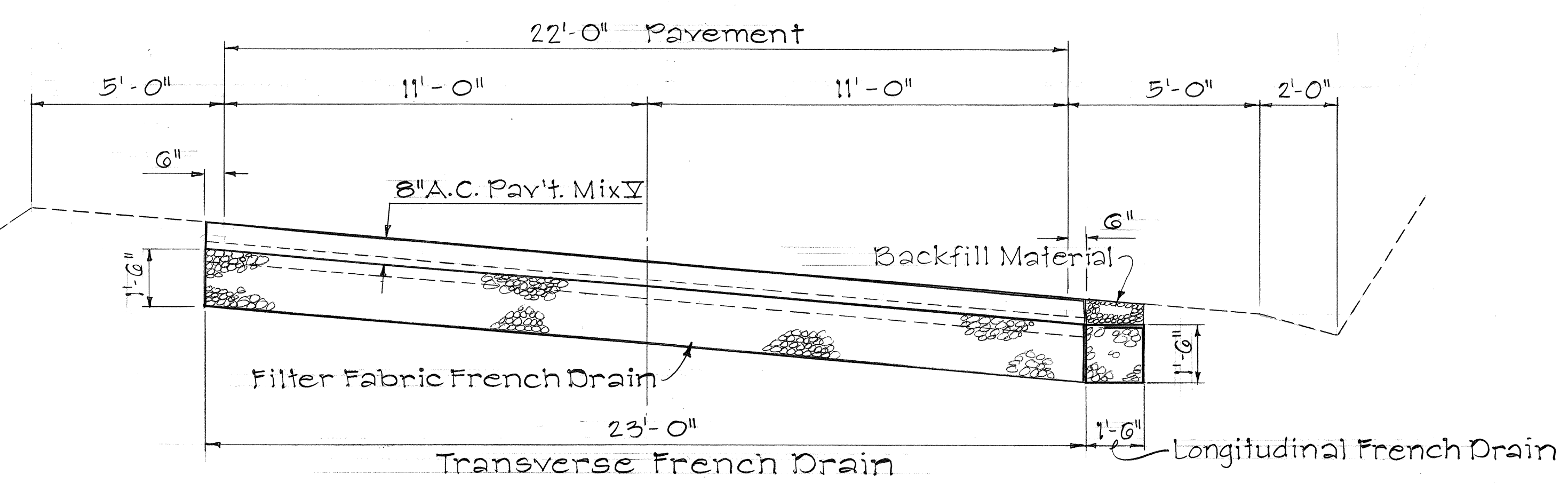
ESTIMATED QUANTITIES
Restoration of Existing City and/or County Streets and Other Improvements = ~~552 SF~~⁴⁶¹
Filter Fabric French Drain = ~~4068 LF~~⁸²⁸

GENERAL NOTES:

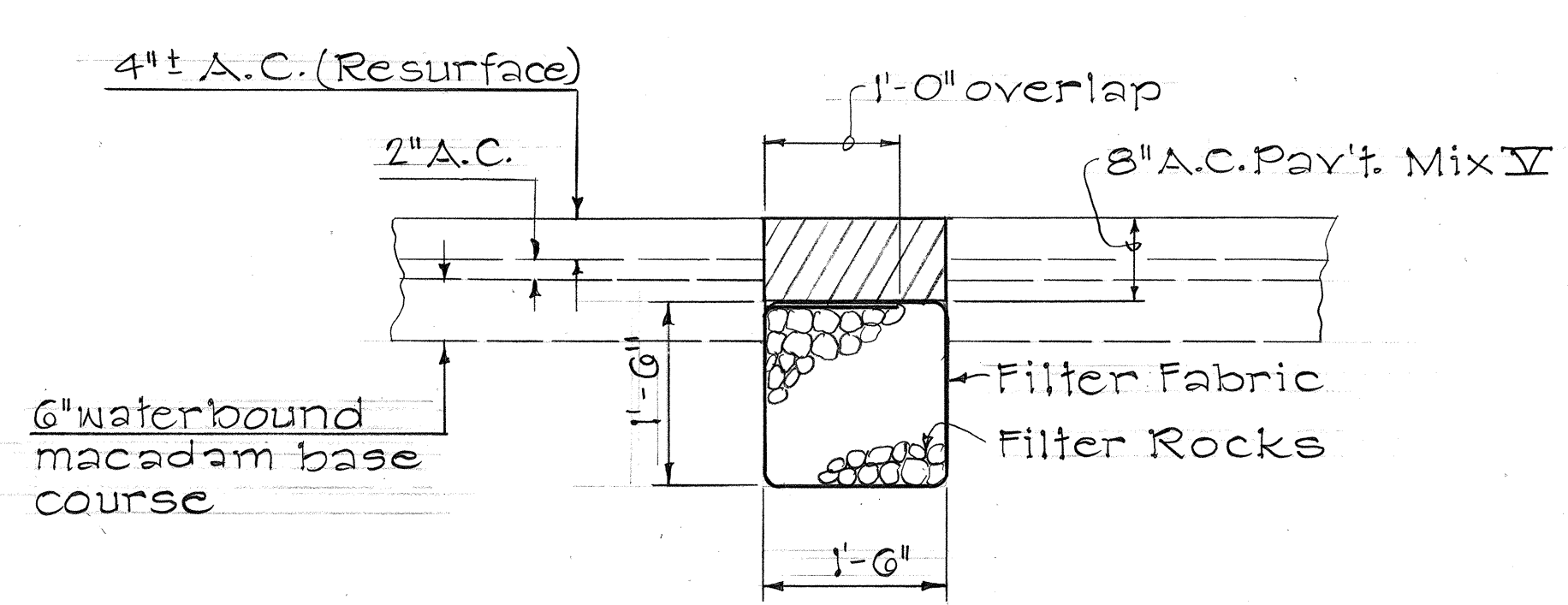
1. Typical Section of Longitudinal and Transverse Filter Fabric French Drain are identical.
2. Longitudinal Filter Fabric French Drain shall be constructed along the low side of the superelevation. Transverse Filter Fabric French Drain shall be constructed ~~50' 75'~~^{50' 75'} on center as shown on plans and/or as directed by the Engineer.
3. Filter Fabric French Drain shall be constructed 8" below top of A.C. Pavement or existing ground.
4. The exact location and length of non-perforated underdrain pipes shall be determined by the Engineer. The excavation and installation of the non-perforated underdrain pipes will not be measured and paid for separately, but shall be considered incidental to Filter Fabric French Drain.
5. Restoration of existing road demolished by the installation of french drain shall be paved with 8" A.C. Pavement, Mix V. This work shall be measured and paid according to Section 627-RESTORATION OF EXISTING CITY AND/OR COUNTY STREETS AND OTHER IMPROVEMENTS.
6. The Filter Fabric French Drain with the underdrain pipes shall be sloped toward the outlet.



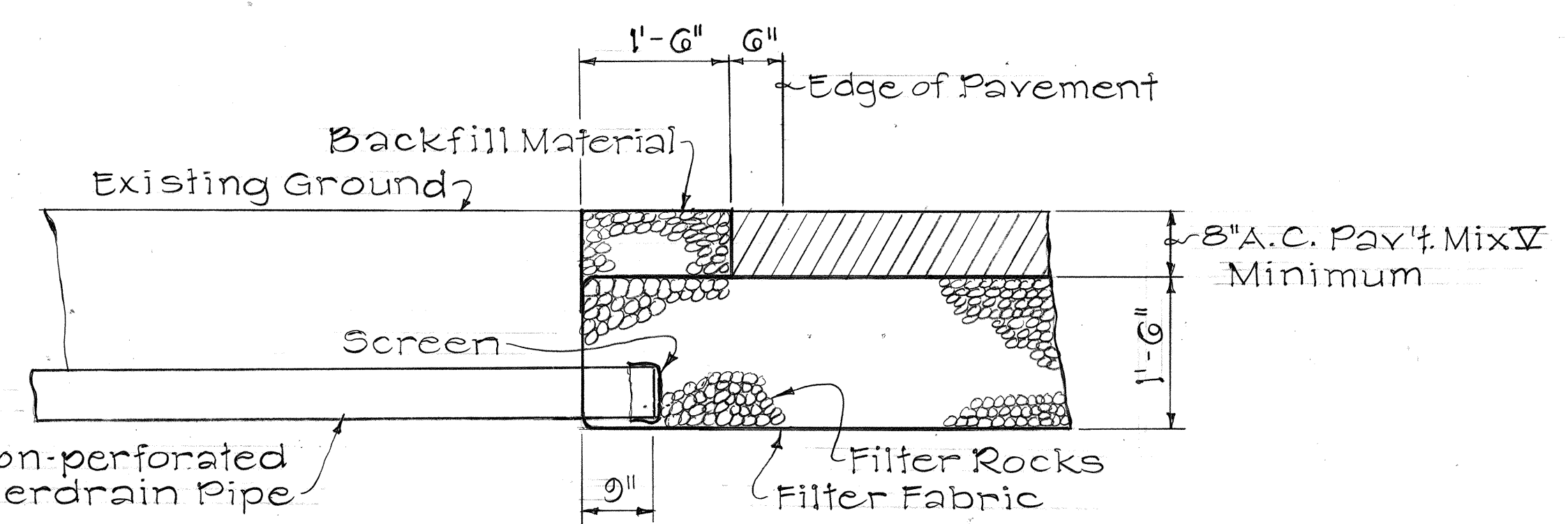
PLAN



TYPICAL TRANSVERSE FILTER FABRIC FRENCH DRAIN
Scale: 3/8" = 1'-0"



TYPICAL SECTION OF TRANSVERSE FILTER FABRIC FRENCH DRAIN
Scale: 3/4" = 1'-0"



TYPICAL SECTION OF 6" NON-PERFORATED UNDERDRAIN PIPE OUTLET
Scale: 3/4" = 1'-0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE PLAN & DETAILS

HANA HIGHWAY
DRAINAGE IMPROVEMENTS NEAR PAUWELA
PROJECT NO. 360-01-82
Scale: As Noted Date: April 1982
SHEET NO. 1 OF 1 SHEETS

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACED BY	_____
NOTED BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____