

∼2' Permeable Material Blanket

L/2 Max.

L18" \$\phi \text{Vertical}

TYPICAL HALF SECTION

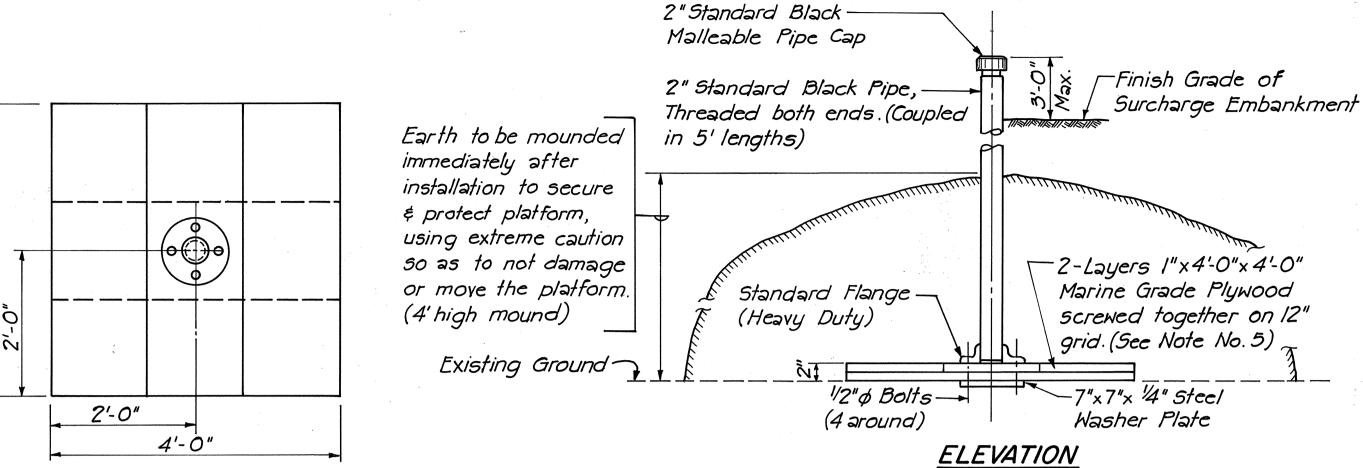
VERTICAL DRAIN

Not to Scale

Drains(Typ.)-

Exist. Ground Line

SURVEY PLOTT
DRAWN BY____
TRACED BY___
DESIGNED BY_
QUANTITIES BY
CHECKED BY__



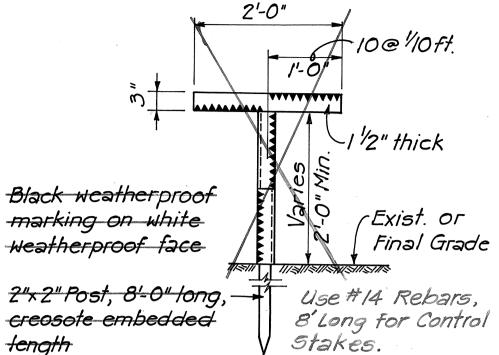
SETTLEMENT PLATFORM DETAIL

Not to Scale

VERTICAL DRAIN SUMMARY						
	LOCATION					
ALTERNATES	FROM IO' CONTOUR AT STA. 123+80 TO STA. 129+10	FROM 00 STA. 129+1 0 TO STA. 130+1 5 19 (TOE OF FILL)	FROM 40 STA.132+4 5 (TOE OF FILL) TO STA.133+ 55	FROM STA.!33+55 TO IO' CONTOUR AT STA.!42+75		
18" Diameter Augered drains	18' Spacing	12' Spacing	12' Spacing	8' Spacing		
12" Diameter Jetted drains	15' Spacing	10.5' Spacing	10.5' Spacing 6.5	15' Spacing		
Plastic Core drains "Geodrains, Ali-drains, or equivalent"	II" Spacing	7.5' Spacing	7.5' Spacing	Il' Spacing		
Elevation of Bottom of Drains	-40	-60	-60	-40		
Height of Surcharge	3'	4'	4'	3'		

WOOD BASE PLATFORM

HAWAII HAW. M-7600(2) 1980 72 244	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	HAWAII	HAW.	M-7600(2)	1980	72	244



CONTROL STAKE DETAIL

Not to Scale

NOTE: The control stakes shall be placed such that in one row, are all lined up vertically and laterally.

SETTLE	SETTLEMENT PLATFORMS				
STATION	LOCATION				
125 + 00 126 + 80 128 + 00 129 + 50 133 + 00 135 + 00 137 + 00 138 + 75 141 + 00	Offset 10' left Offset 10' right Centerline Centerline Centerline Centerline Centerline Offset 9' left Offset 10' right, 47' right and 47' left.				

		CONTROL	STAKE	. S		
STATION		LOCATI	ON		,	
129+00	Toe of Surcha	arge fill, m	niddle of	slope and	top of si	lope (6 stakes)
129+40	Toe of surcha	rge fill, m	nidde of	slope and	top of s	lope (6 stakes)
129 + 80		_			•	•
129 95	Offset 60' le	ft, 30' left	, centerlin	ne , 30' righ	t, 60' right	ht (top of slope)
130 + 25	. "	n.	"	, , ,		(toe of slope)
130+35	"	"	"	"	Where the contraction of the co	(toe of slope)
132 1 65	u .	"	, 11	White realizery or "Value Proper Services" All the realizers of the control of t		(top of slope)
133 + 00	Toe of surcha	rge fill, m	iddle of	slope and		, , , , , , , , , , , , , , , , , , , ,
133 + 50	"		"	•	"	<i>"</i>
134+00	"		$\mathcal{F}_{i_1} = \mathcal{F}_{i_2} u_{i_3}$		"	u
	129+00 129+40 129+80 129+95 130+35 130+35 132+65 133+00 133+50	129+00 Toe of Surchall 129+40 Toe of surchall 129+80 Toe of surchall 129+95 Offset 60' let 130+35 " 132+65	129+00 Toe of Surcharge fill, m 129+40 Toe of surcharge fill, m 129+80 Toe of surcharge fill, m 129+95 Offset 60' left, 30' left 130+35 " " 132+65 " " 133+50 Toe of surcharge fill, m	129+00 Toe of Surcharge fill, middle of 129+40 Toe of surcharge fill, middle of 129+80 Toe of surcharge fill, middle of 129+95 Offset 60' left, 30' left, centerling 130+25 " " " " 132+65 " " " " " 133+00 Toe of surcharge fill, middle of 133+50 " " " " " " " " " "	129+00 Toe of Surcharge fill, middle of slope and 129+40 Toe of surcharge fill, middle of slope and 129+80 Toe of surcharge fill, middle of slope and 129+95 Offset GO' left, 30' left, centerline, 30' right " " " " " " " " " " " " " " " " " "	129+00 Toe of Surcharge fill, middle of slope and top of slope 129+40 129+80 Toe of surcharge fill, middle of slope and top of slope 129+80 129+95 Offset 60' left, 30' left, centerline, 30' right, 60' right 130+25 """""""""""""""""""""""""""""""""""

PIEZOMETER NOTES.

Toe of Embankment

Surcharge

Finished Embankment

Hatched area to be paid under

"Removal of Temporary Surcharge"

Slope Line

shown on Vertical Drain Summary

—Lower limit of Vertical Drains,

= Excavation:

Pay Item.

- Piezometers shall be pneumatic type approximately 18 inches long, O.D. flush with E.W-Drill Rod & contain pressure
- 2. Piezometers shall be located in a cluster in the vicinity of Sta. 133+00 & be equidistant from the sanddrains.
 The exact locations will be determined in the field. See Sanddrain Layout.
 3. The depths of the three piezometers shall be at elevations -10, -25 and -40.

SETTLEMENT PLATFORM NOTES .

I. The Contractor shall use Wood Base Settlement Platforms

PLAN

CNylon Return Tube

Gas Flow Indicator

Encapsulating

Pressure Sensor

-Sintered Bronze Filter

Body Cavity (filled with

water prior to installation)

CROSS SECTION OF

COMPLETE PIEZOMETER

Not to Scale

-Body

_End Cap

Regulator

Supply

- 2. Contractor to furnish material and labor to extend pipe up through fill.

 3. All vertical pipes of Settlement Platforms shall be accurately and consecutively numbered in one foot intervals measured from the bottom of the Settlement Platform base. The numbering and graduations shall be marked on the vertical pipe in durable yellow paint by the Contractor immediately after each section of pipe is added.
- 4. Sefflement Platforms shall be placed on existing ground. Ground shall be made level as necessary.
 5. Sound lumber must be used for the Wood Base Platform.



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

SOIL STABILIZATION PLAN

FORT WEAVER ROAD SOUTH OF FARRINGTON HIGHWAY TO THE VICINITY OF RENTON ROAD DATE: SEPT 1979

SHEET NO. | OF | SHEETS