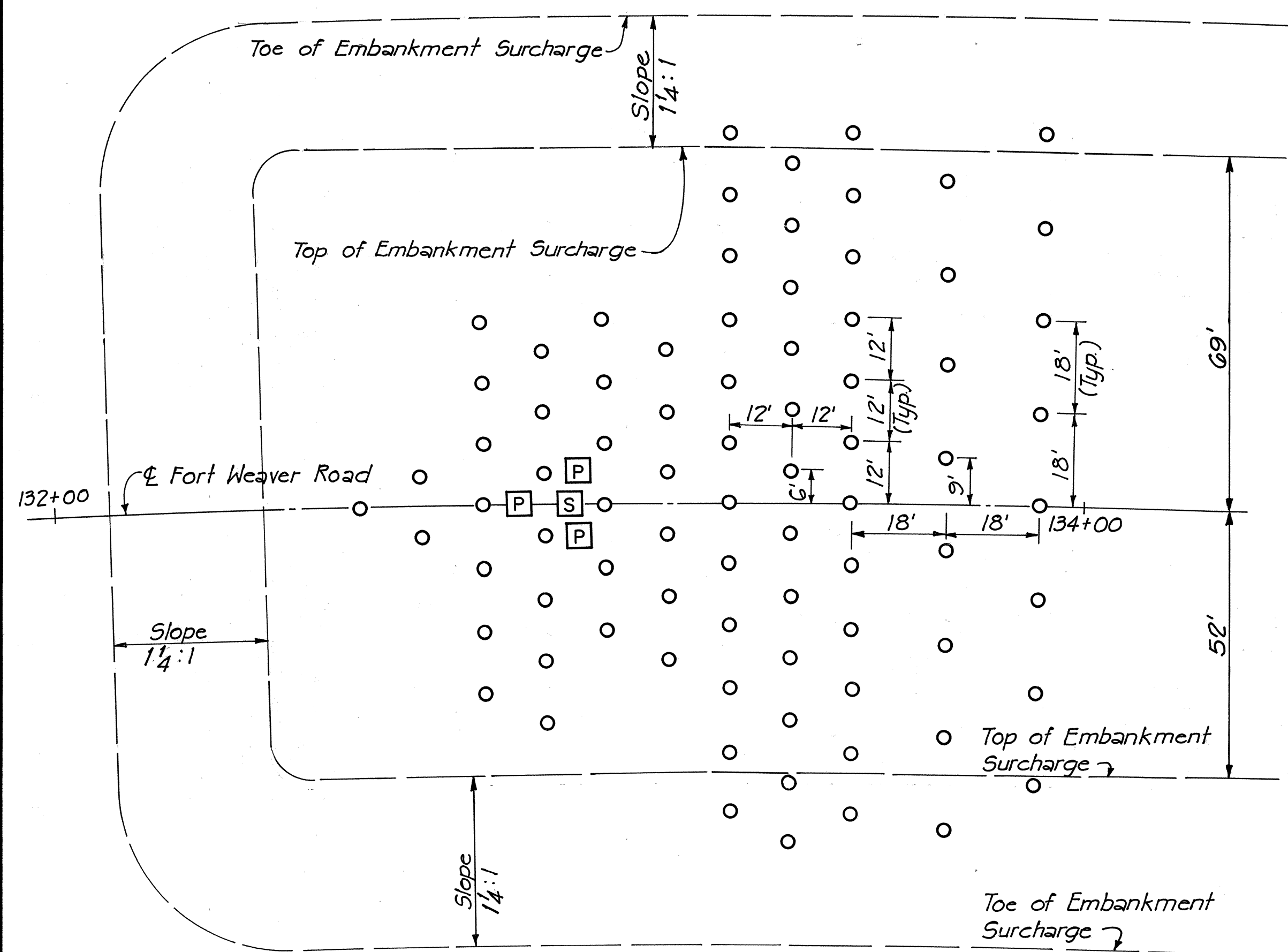


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	M-7600(2)	1980	72	244



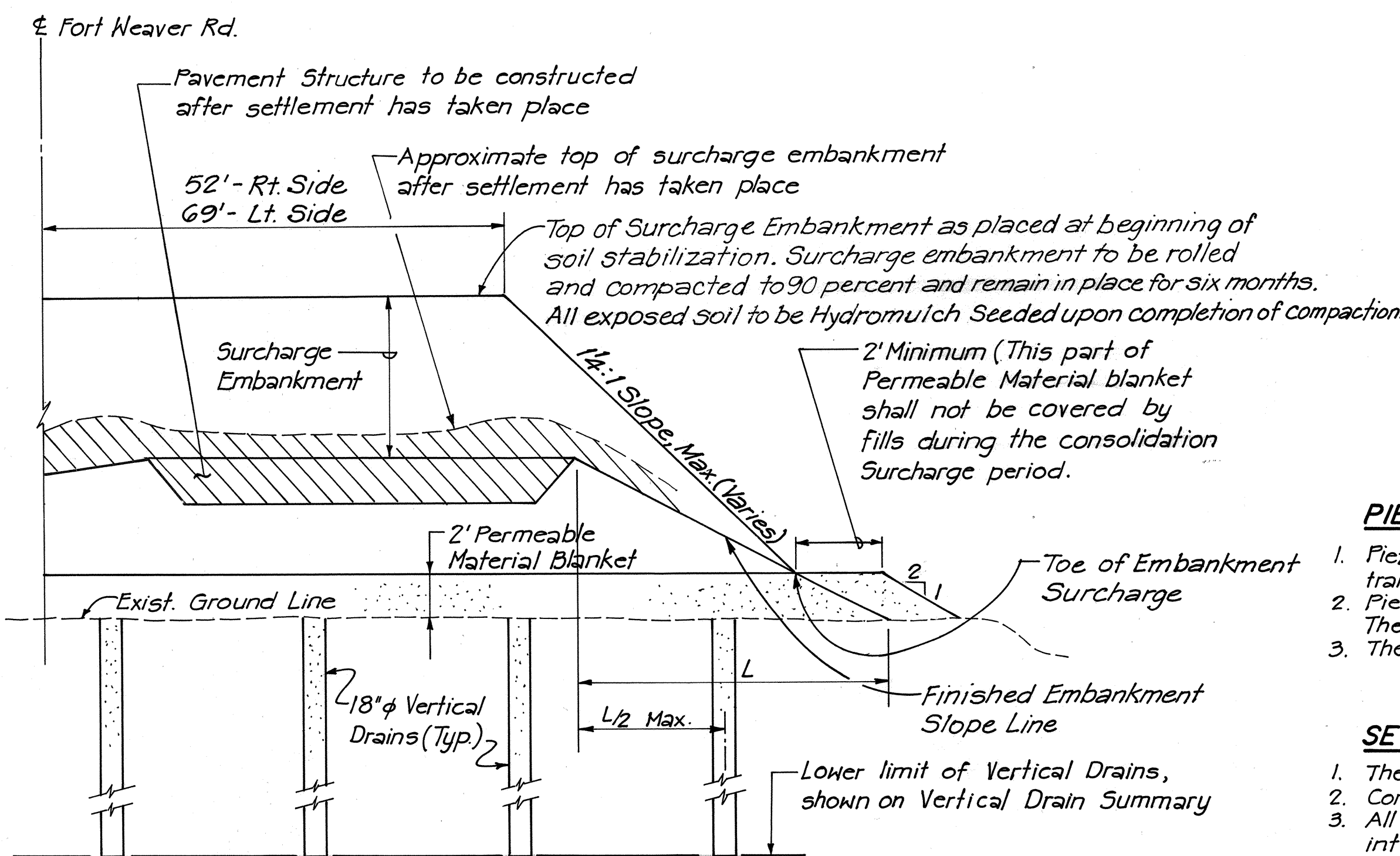
#### LEGEND

- Vertical Drain
- Piezometer
- Settlement Platform

NOTE: Dimensions shown are for 18" Augered Vertical Drains. Dimensions for alternatives are shown in chart

#### PLAN - TYPICAL SANDDRAIN LAYOUT

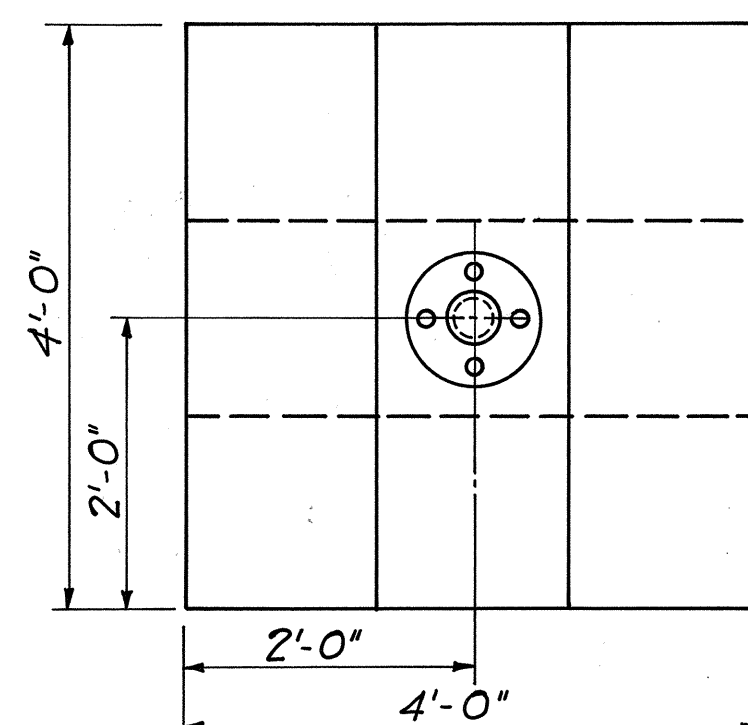
Scale: 1" = 20'



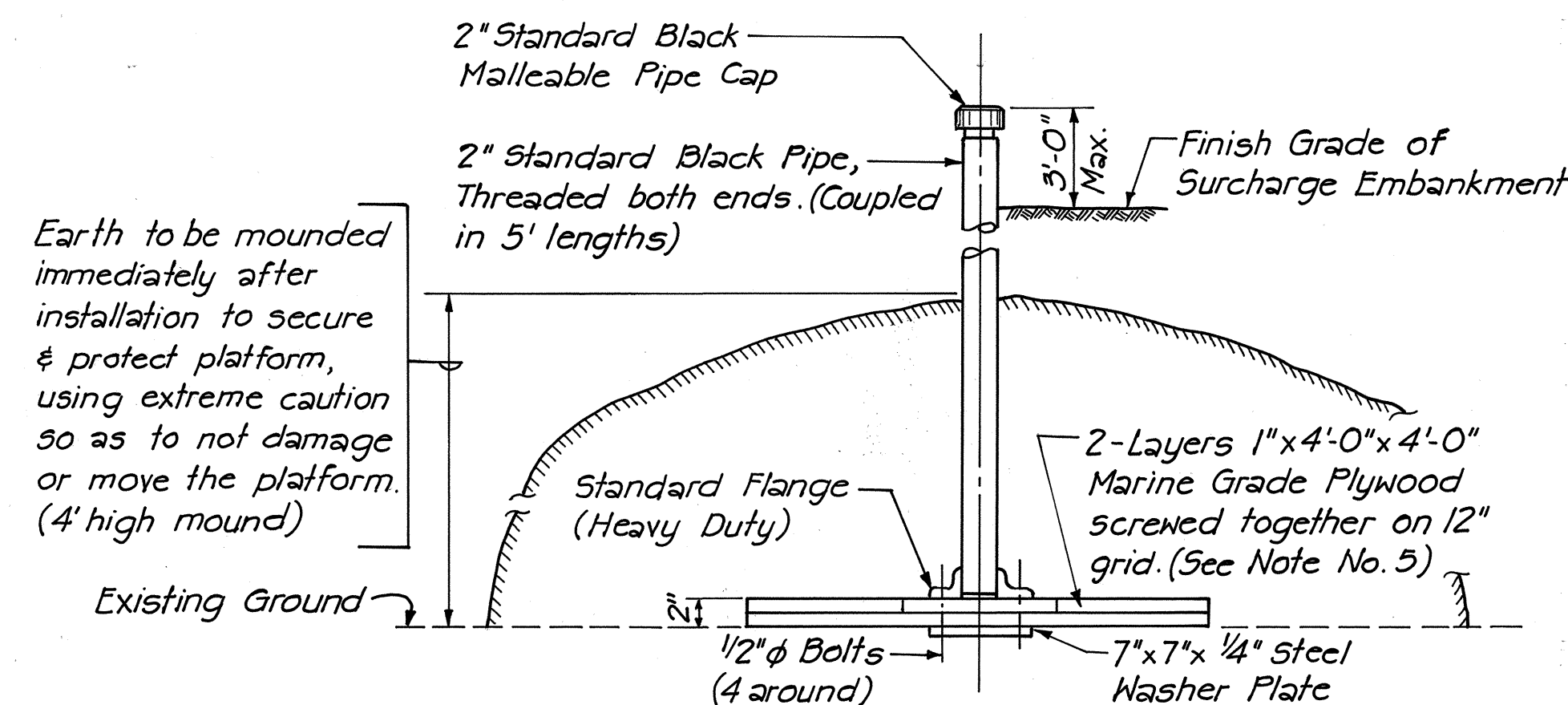
#### TYPICAL HALF SECTION VERTICAL DRAIN

Not to Scale

Excavation:  
Hatched area to be paid under "Removal of Temporary Surcharge" Pay Item.



#### PLAN

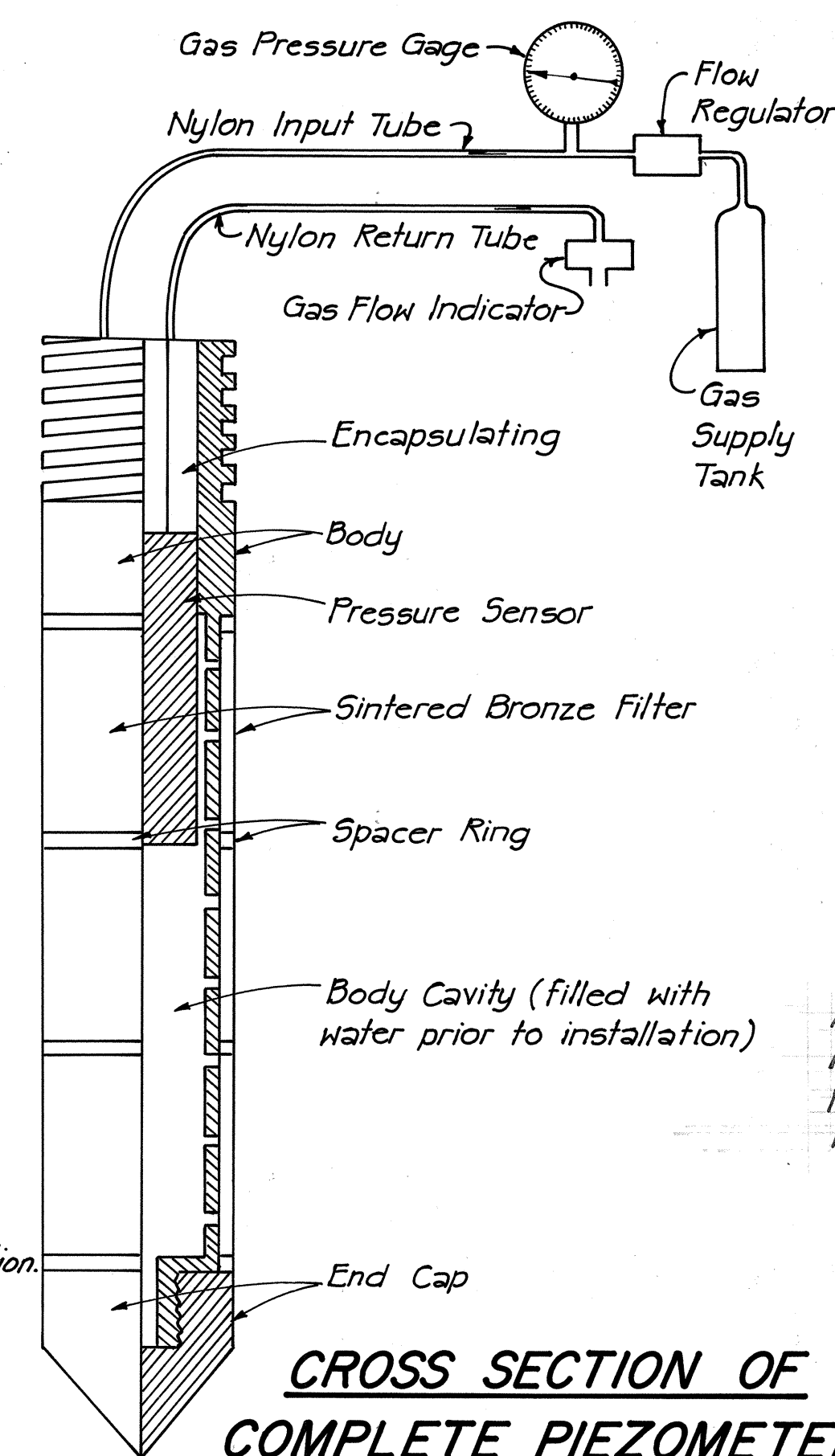


#### ELEVATION

#### WOOD BASE PLATFORM

#### SETTLEMENT PLATFORM DETAIL

Not to Scale



#### CROSS SECTION OF COMPLETE PIEZOMETER

Not to Scale

#### PIEZOMETER NOTES:

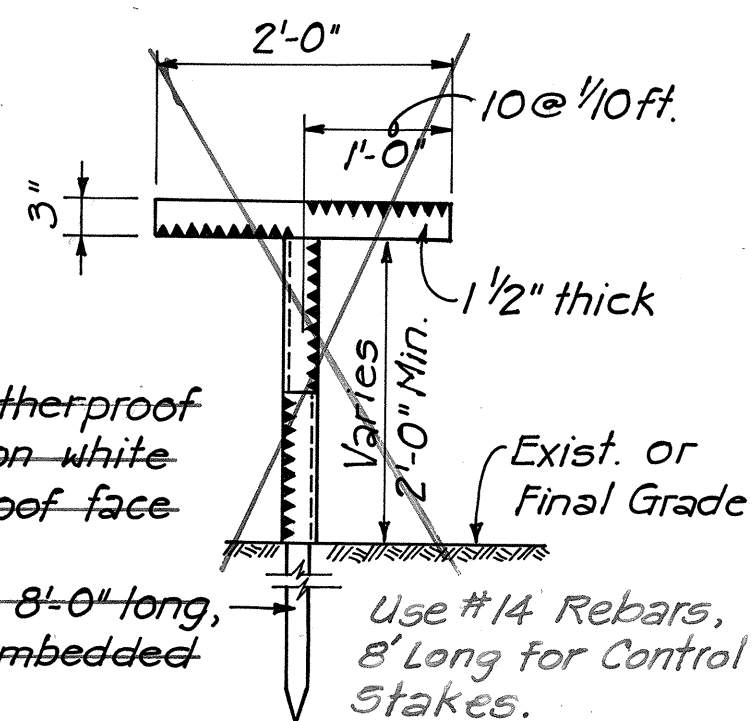
- Piezometers shall be pneumatic type approximately 18 inches long, O.D. flush with E.W-Drill Rod & contain pressure transducer
- Piezometers shall be located in a cluster in the vicinity of Sta. 133+00 & be equidistant from the sanddrains. The exact locations will be determined in the field. See Sanddrain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

#### SETTLEMENT PLATFORM NOTES:

- The Contractor shall use Wood Base Settlement Platforms.
- Contractor to furnish material and labor to extend pipe up through fill.
- 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.
- Settlement Platforms shall be placed on existing ground. Ground shall be made level as necessary.
- Sound lumber must be used for the Wood Base Platform.

ALTERNATES	LOCATION			
	FROM 10' CONTOUR AT STA. 123+80 TO STA. 129+10	FROM 00 STA. 129+10 TO STA. 130+15 (TOE OF FILL)	FROM 40 STA. 132+45 TO STA. 133+55 (TOE OF FILL)	FROM STA. 133+55 TO 10' CONTOUR AT STA. 142+75
18" Diameter Augered drains	18' Spacing	12' Spacing	12' Spacing	18' Spacing
12" Diameter Jetted drains	15' Spacing	10.5' Spacing	10.5' Spacing	15' Spacing
Plastic Core drains "Geodrains, Ali-drains, or equivalent"	11' Spacing	7.5' Spacing	7.5' Spacing	11' Spacing
Elevation of Bottom of Drains	-40	-60	-60	-40
Height of Surcharge	3'	4'	4'	3'

CONTROL STAKES	
STATION	LOCATION
129+00	Toe of Surcharge fill, middle of slope and top of slope (6 stakes)
129+40	Toe of surcharge fill, middle of slope and top of slope (6 stakes)
129+80	Toe of surcharge fill, middle of slope and top of slope (6 stakes)
129+95	Offset 60' left, 30' left, centerline, 30' right, 60' right (top of slope)
130+07	" " " " (toe of slope)
130+30±	" " " " (toe of slope)
132+27±	" " " " (toe of slope)
132+52	" " " " (top of slope)
132+65	Toe of surcharge fill, middle of slope and top of slope (6 stakes)
133+00	" " " " "
133+50	" " " " "
134+00	" " " " "

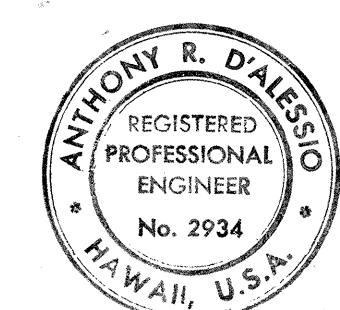


#### CONTROL STAKE DETAIL

Not to Scale

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

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



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. 1 OF 1 SHEETS