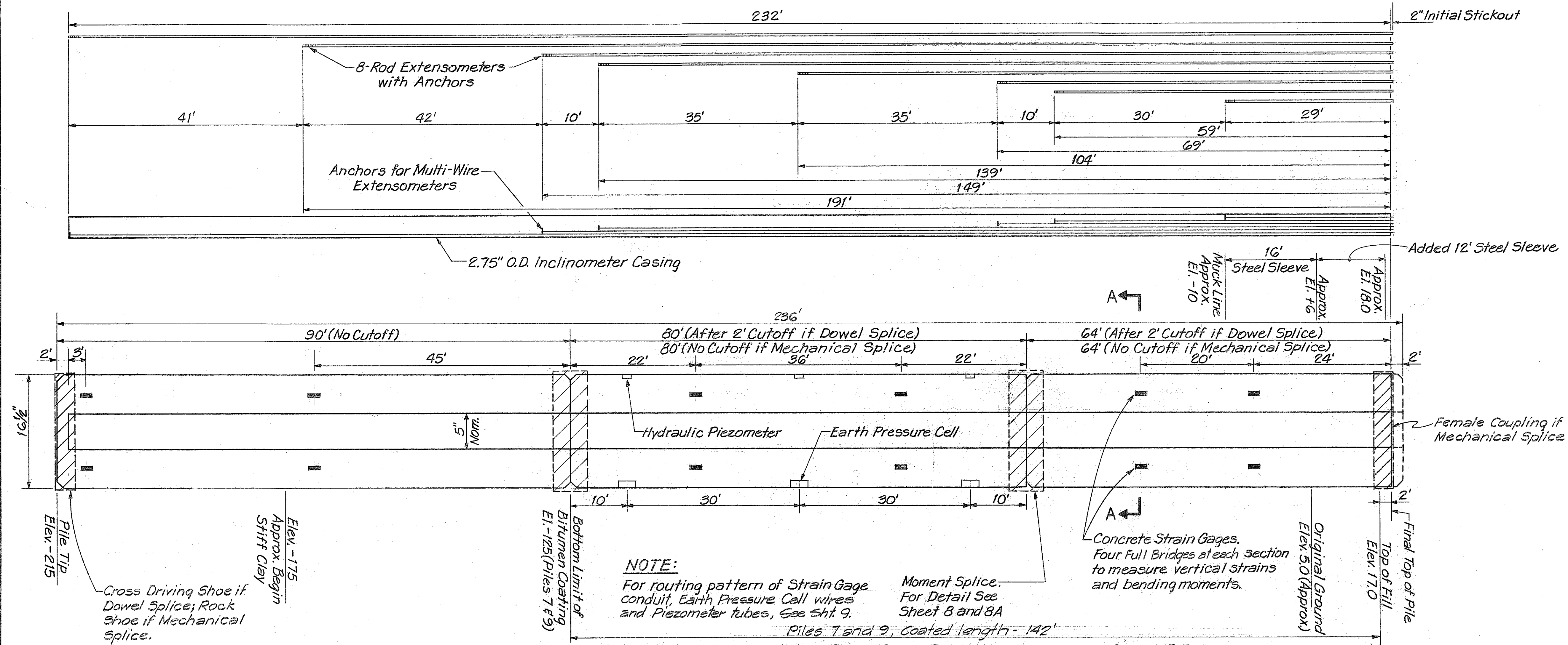
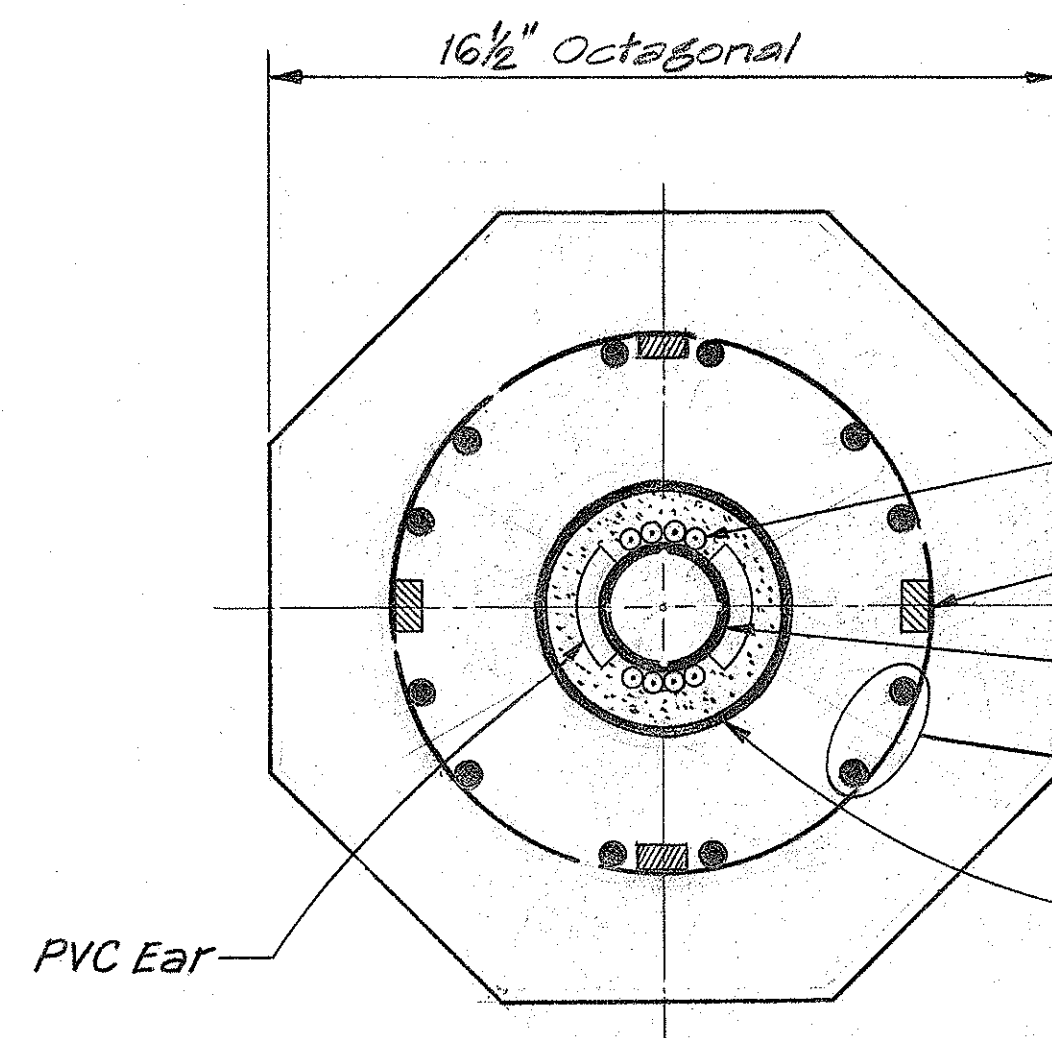


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H1-1(85)	1970	11	35



INSTRUMENTATION FOR PILES 6, 7, 8 AND 9 IN TEST AREA 1B

Scale: Horiz. 1" = 10' (Pile Length)
Vert. 1 1/2" = 1'-0" (Pile Width)



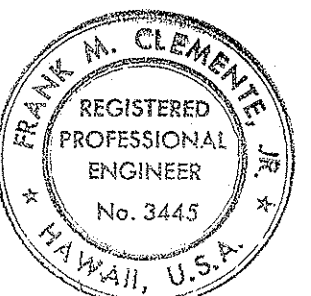
SECTION A-A

Scale: 3" = 1'-0"

- 8-Rod Extensometers encased in 1/2" plastic tubing
- Strain Gage, Piezometer and Earth Pressure Cell wiring similar to Piles 1 and 2, See Sheet 9.
- 2.75" O.D. Inclinator Casing (Multiwire Extensometers installed inside)
- 12-7/16" ϕ 7 Wire Stress Relieved Strand spaced equally, ASTM A416(270K)
- Center hole formed by 5" PVC pipe (See General Note 3, Sheet 7) shall have a radial tolerance of 3/8" offset from center except that within 3 feet of ends of pile segments the radial tolerance shall be 1/16" off-set from center. Hole to be grouted after installation of instruments.

Instruments Installed During Casting of Pile: Strain Gauges. See Sheet 20, Sequence of Operations.
Earth Pressure Cells.
Piezometers.

Instruments Installed After Driving of Pile: Inclinator Casing.
Multi-wire Extensometers.
Rod Extensometers.

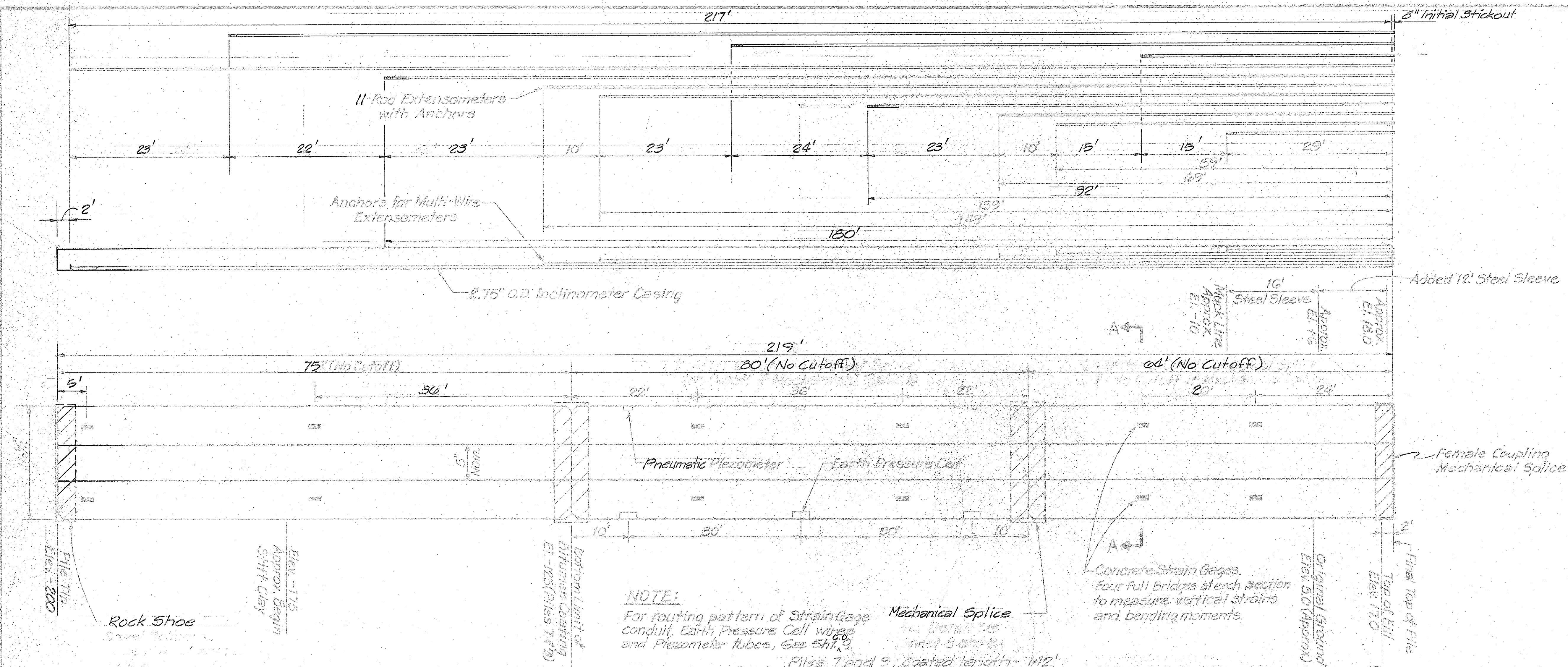


THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
Frank M. Clemente

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
KEEHI INTERCHANGE
FIELD TESTING PROGRAM
**PILE INSTRUMENTATION
PILES 6, 7, 8 AND 9**
INTERSTATE ROUTE H-1
PROJECT NO. I-H1-1(85)
SCALE: AS SHOWN DATE: 3/31/70
SHEET NO. 11 OF 35 SHEETS

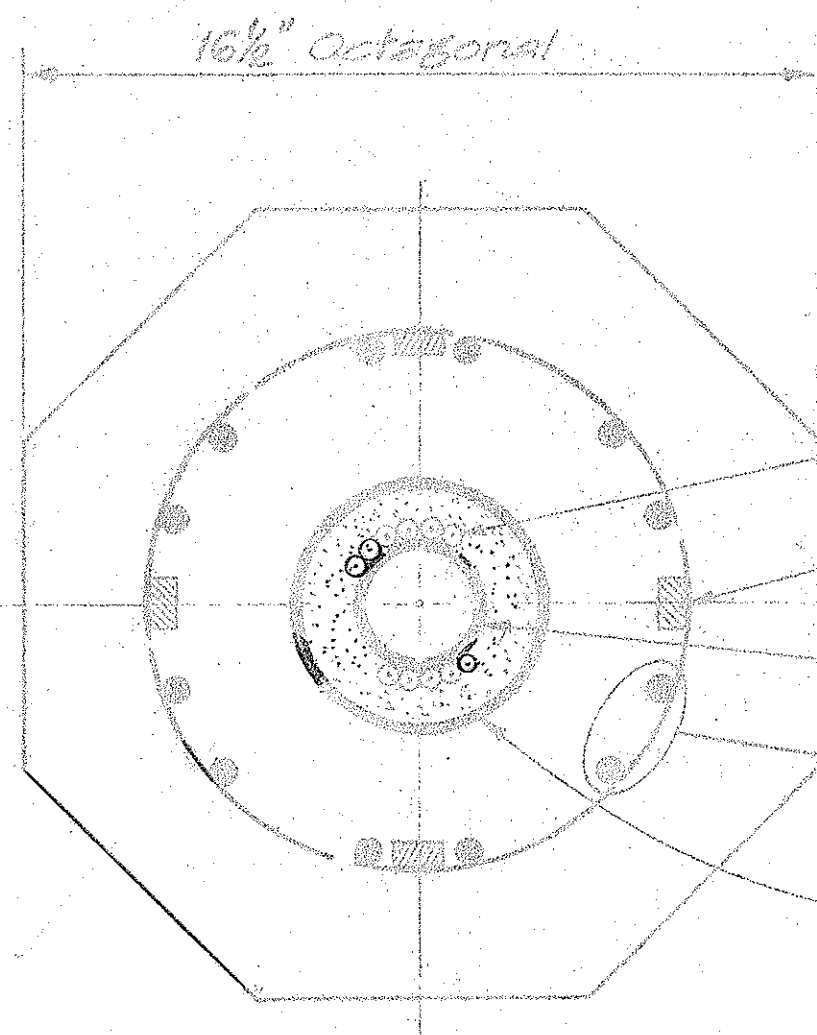
SURVEY PLOTTED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1-1(85)	1970	11	39



INSTRUMENTATION FOR PILES 6, 7, 8 AND 9 IN TEST AREA 1B

Scale: Horiz. N.T.S. (Pile Length)
Vert. 1/2" = 1'-0" (Pile Width)



SECTION A-A

Scale: 3" = 1'-0"

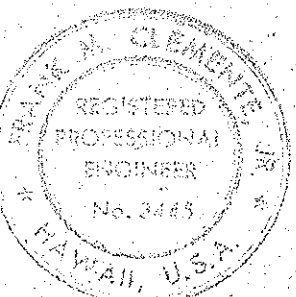
- 11-Rod Extensometers encased in 1/2" plastic tubing
- Strain Gage, Piezometer and Earth Pressure Cell wiring similar to Piles 1 and 2, See Sheet 9.
- 2.75" O.D. Inclinator Casing (Multiwire Extensometers installed inside)
- 12-7/16" Φ 7 Wire Stress Relieved Strand spaced equally, ASTM A416 (270K)
- Center hole formed by 5" PVC pipe and 5" Corrugated Plastic pipe (See Sheet 9 and General Note 3, Sheet 1) shall have a radial tolerance of 3/16" offset from center except that within 3 feet of ends of pile segments the radial tolerance shall be 1/16" offset from center. Hole to be grouted after installation of instruments.

Note: Locations of instruments are subject to change in the field by the Engineer.

Instruments Installed During Casting of Pile: Strain Gauges, See Sheet 20, Sequence of Operations.
Earth Pressure Cells.
Piezometers.

Instruments Installed After Driving of Pile: Inclinator Casing.
Multi-wire Extensometers.
Rod Extensometers.

3/1/77	Pile length reduced and 3 Rod Extensometers added.
Date	Revision



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Frank M. Clements

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
KEEHI INTERCHANGE
FIELD TESTING PROGRAM

PILE INSTRUMENTATION
PILES 6,7,8 AND 9
INTERSTATE ROUTE H-1
PROJECT NO. I-H-1-1(85)
SCALE: AS SHOWN
DATE: 3/31/70

SHEET No. 11 OF 36 SHEETS