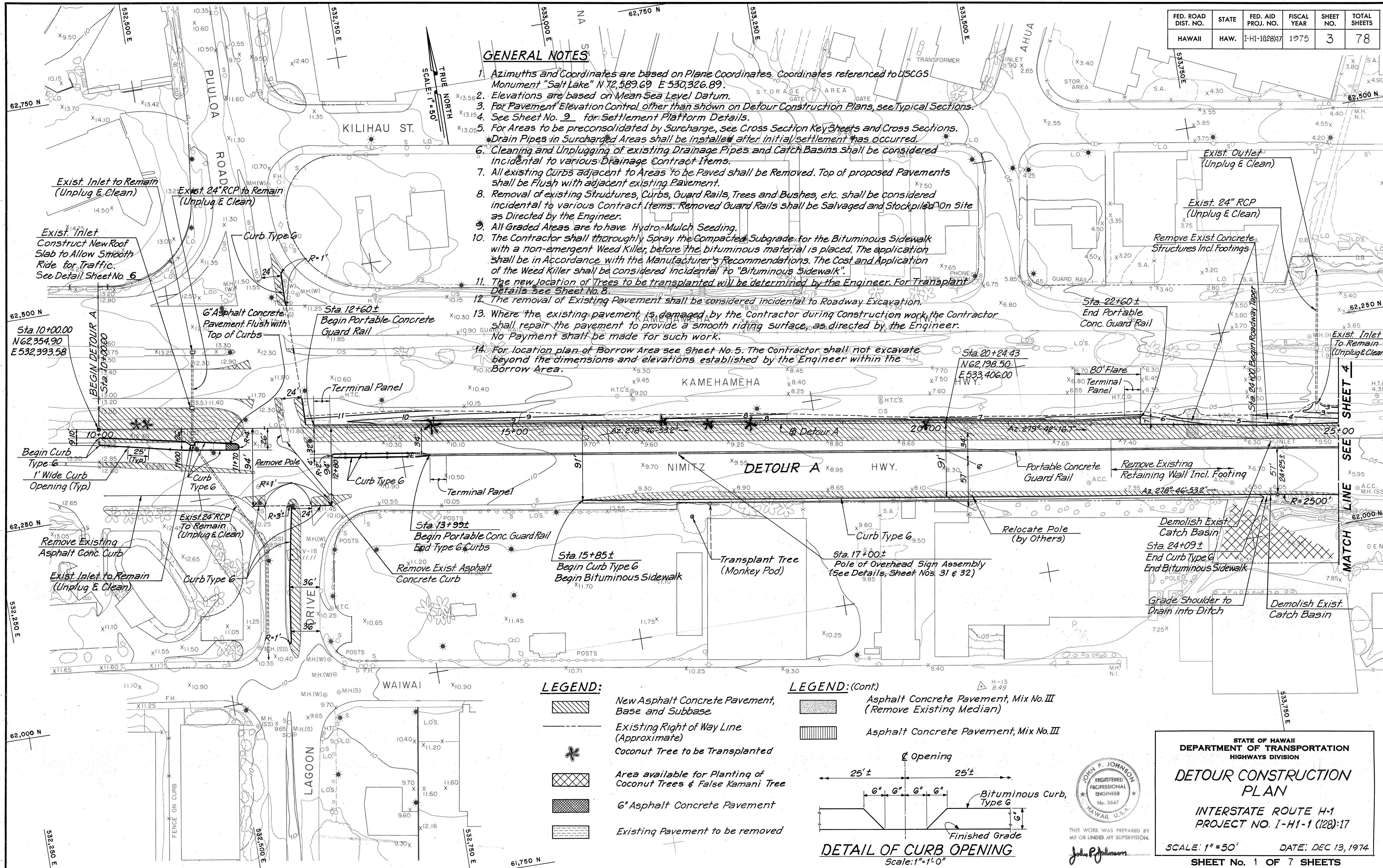


| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | I-HI-102817        | 1975        | 3         | 78           |

### GENERAL NOTES

1. Azimuths and Coordinates are based on Plane Coordinates. Coordinates referenced to USCGS Monument "Salt Lake" N 72,589.69 E 530,326.89.
2. Elevations are based on Mean Sea Level Datum.
3. For Pavement Elevation Control other than shown on Detour Construction Plans, see Typical Sections.
4. See Sheet No. 9 for Settlement Platform Details.
5. For Areas to be preconsolidated by Surcharge, see Cross Section Key Sheets and Cross Sections.
6. Drain Pipes in Surcharged Areas shall be installed after initial settlement has occurred.
7. Cleaning and Unplugging of existing Drainage Pipes and Catch Basins shall be considered incidental to various Contract Items.
8. All existing Curbs adjacent to Areas to be Paved shall be Removed. Top of proposed Pavements shall be Flush with adjacent existing Pavement.
9. Removal of existing Structures, Curbs, Guard Rails, Trees and Bushes, etc. shall be considered incidental to various Contract Items. Removed Guard Rails shall be Salvaged and Stockpiled On Site as Directed by the Engineer.
10. All Graded Areas are to have Hydro-Mulch Seeding.
11. The Contractor shall thoroughly Spray the Compacted Subgrade for the Bituminous Sidewalk with a non-emergent Weed Killer, before the bituminous material is placed. The application shall be in accordance with the Manufacturer's Recommendations. The Cost and Application of the Weed Killer shall be considered incidental to "Bituminous Sidewalk".
12. The new location of Trees to be transplanted will be determined by the Engineer. For Transplant Details see Sheet No. 8.
13. The removal of Existing Pavement shall be considered incidental to Roadway Excavation.
14. Where the existing pavement is damaged by the Contractor during construction work, the Contractor shall repair the pavement to provide a smooth riding surface, as directed by the Engineer. No Payment shall be made for such work.
15. For location plan of Borrow Area see Sheet No. 5. The Contractor shall not excavate beyond the dimensions and elevations established by the Engineer within the Borrow Area.

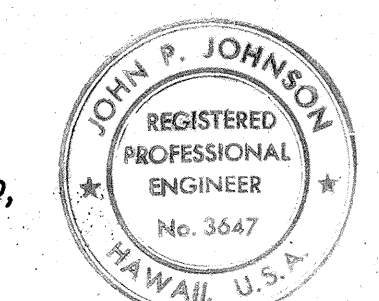
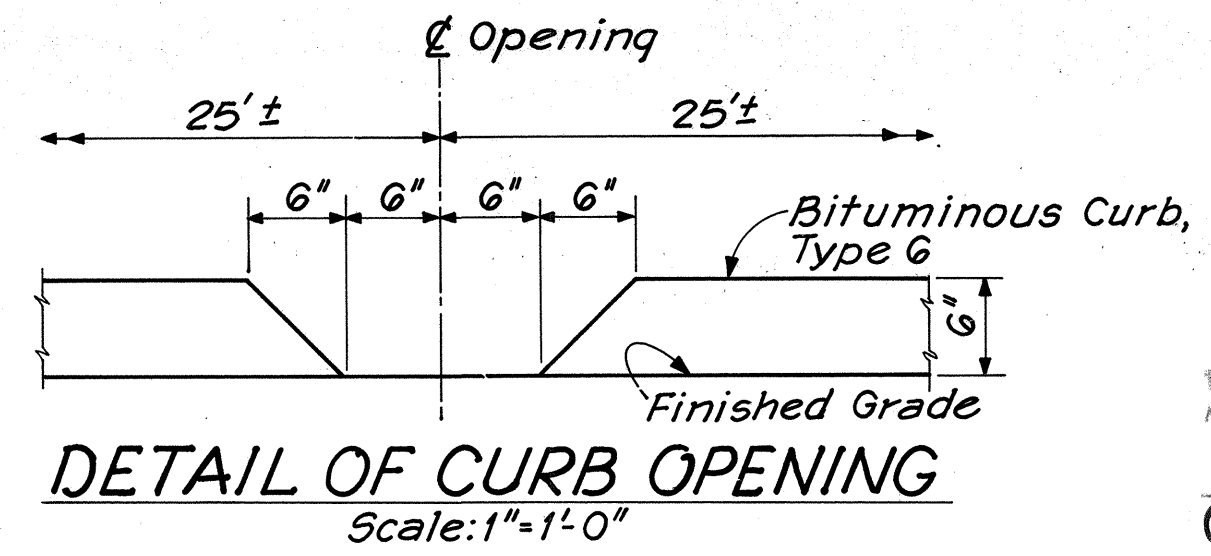


### LEGEND:

- New Asphalt Concrete Pavement, Base and Subbase
- Existing Right of Way Line (Approximate)
- Coconut Tree to be Transplanted
- Area available for Planting of Coconut Trees & False Kamani Tree
- 6" Asphalt Concrete Pavement
- Existing Pavement to be removed

### LEGEND: (Cont)

- Asphalt Concrete Pavement, Mix No. III (Remove Existing Median)
- Asphalt Concrete Pavement, Mix No. III



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**DETOUR CONSTRUCTION PLAN**

INTERSTATE ROUTE H-1  
PROJECT NO. I-HI-1 (128):17

SCALE: 1" = 50' DATE: DEC 13, 1974

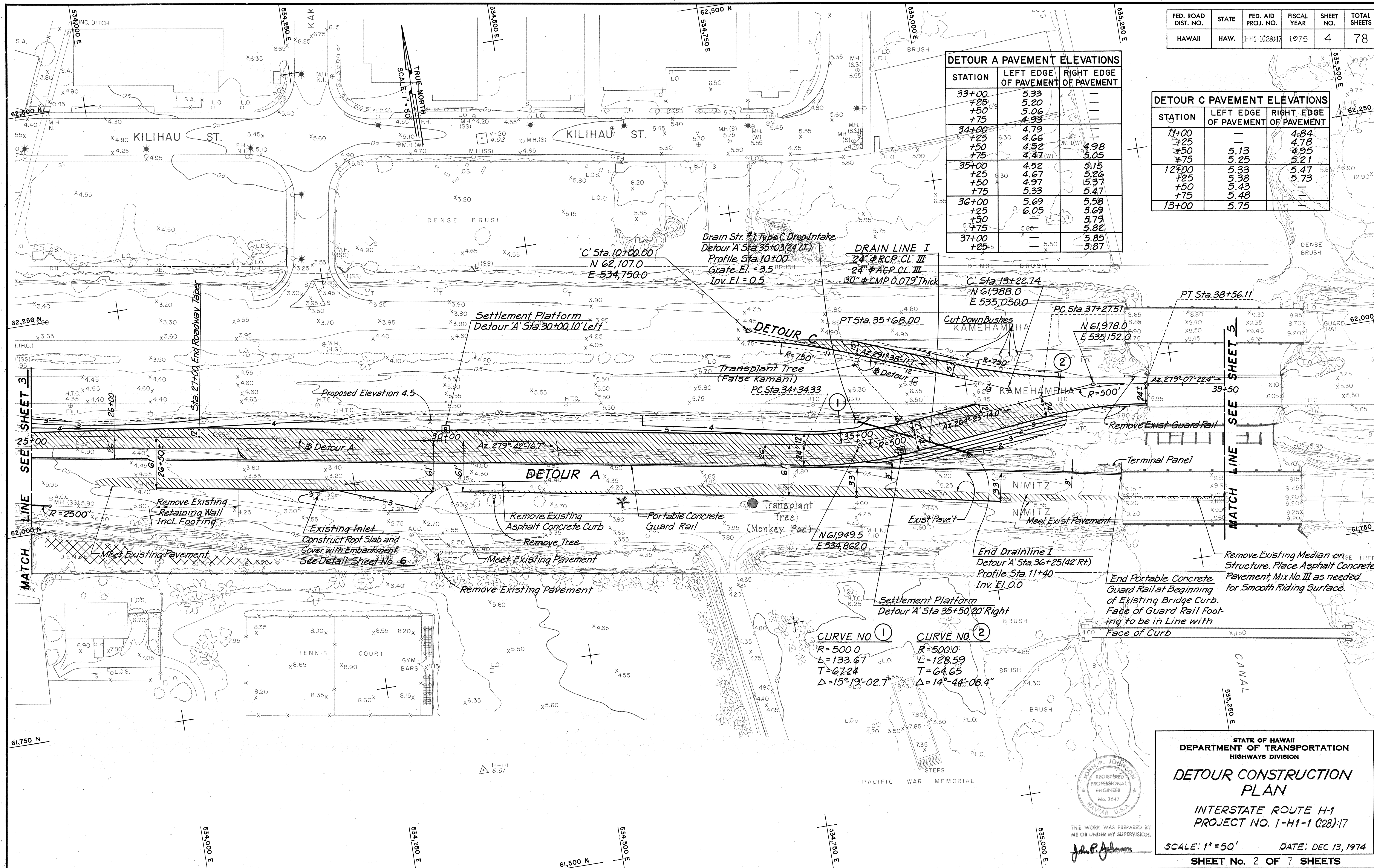
SHEET No. 1 OF 7 SHEETS

|                   |       |
|-------------------|-------|
| DATE              | _____ |
| SURVEY PLOTTED BY | _____ |
| DESIGNED BY       | _____ |
| NOTED 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-HI-1028(17)      | 1975        | 4         | 78           |

| DETOUR A PAVEMENT ELEVATIONS |                       |                        |
|------------------------------|-----------------------|------------------------|
| STATION                      | LEFT EDGE OF PAVEMENT | RIGHT EDGE OF PAVEMENT |
| 33+00                        | 5.33                  | —                      |
| +25                          | 5.20                  | —                      |
| +50                          | 5.06                  | —                      |
| +75                          | 4.93                  | —                      |
| 34+00                        | 4.79                  | —                      |
| +25                          | 4.66                  | —                      |
| +50                          | 4.52                  | 4.98                   |
| +75                          | 4.47                  | 5.05                   |
| 35+00                        | 4.52                  | 5.15                   |
| +25                          | 4.67                  | 5.26                   |
| +50                          | 4.97                  | 5.37                   |
| +75                          | 5.33                  | 5.47                   |
| 36+00                        | 5.69                  | 5.58                   |
| +25                          | 6.05                  | 5.69                   |
| +50                          | —                     | 5.79                   |
| +75                          | —                     | 5.82                   |
| 37+00                        | —                     | 5.85                   |
| +25                          | —                     | 5.87                   |

| DETOUR C PAVEMENT ELEVATIONS |                       |                        |
|------------------------------|-----------------------|------------------------|
| STATION                      | LEFT EDGE OF PAVEMENT | RIGHT EDGE OF PAVEMENT |
| 11+00                        | —                     | 4.84                   |
| +25                          | —                     | 4.78                   |
| +50                          | 5.13                  | 4.95                   |
| +75                          | 5.25                  | 5.21                   |
| 12+00                        | 5.33                  | 5.47                   |
| +25                          | 5.38                  | 5.73                   |
| +50                          | 5.43                  | —                      |
| +75                          | 5.48                  | —                      |
| 13+00                        | 5.75                  | —                      |



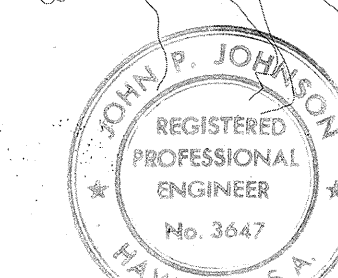
|           |             |            |
|-----------|-------------|------------|
| DATE      | DESIGNED BY | CHECKED BY |
| PLAN      | DESIGNED BY | CHECKED BY |
| NOTE BOOK | DESIGNED BY | CHECKED BY |
| NO.       | DESIGNED BY | CHECKED BY |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**DETOUR CONSTRUCTION PLAN**

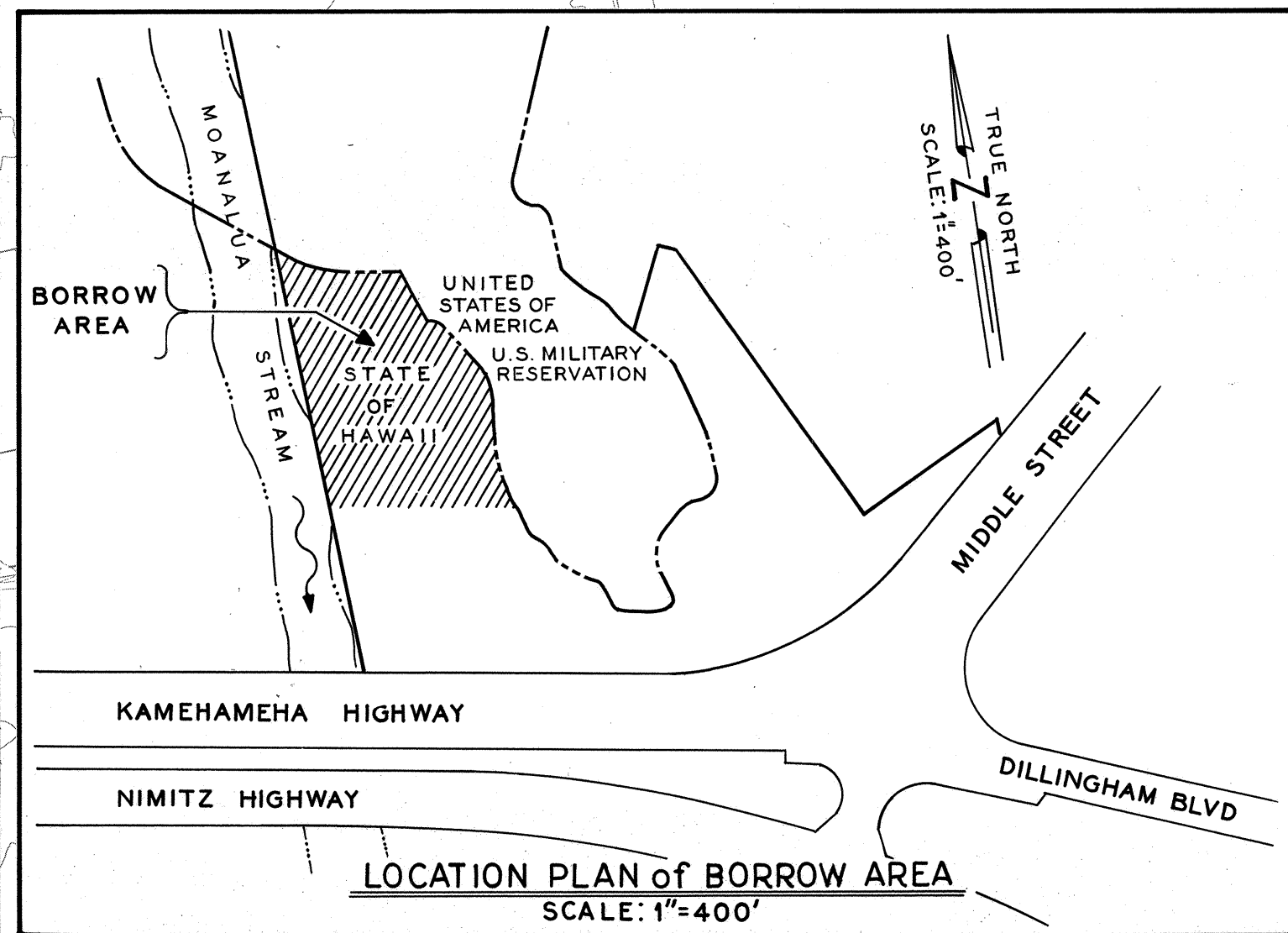
INTERSTATE ROUTE H-1  
PROJECT NO. I-HI-1 (128)-17

SCALE: 1" = 50' DATE: DEC 13, 1974  
SHEET No. 2 OF 7 SHEETS



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| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | I-H1-1(28)17       | 1975        | 5         | 78           |



| DETOUR A PAVEMENT ELEVATIONS |                       |                        |
|------------------------------|-----------------------|------------------------|
| STATION                      | LEFT EDGE OF PAVEMENT | RIGHT EDGE OF PAVEMENT |
| 41+50                        | 5.85                  | 5.98                   |
| +75                          | 5.93                  | 6.01                   |
| 42+00                        | 5.93                  | 6.01                   |
| +25                          | 5.77                  | 5.85                   |
| +50                          | 5.58                  | 5.66                   |
| +75                          | 5.53                  | 5.61                   |
| 43+00                        | 5.82                  | 5.90                   |
| +25                          | 5.66                  | 5.74                   |
| +50                          | 5.25                  | 5.33                   |
| +75                          | 5.18                  | 5.26                   |
| 44+00                        | 5.10                  | 5.18                   |
| +25                          | 4.98                  | 5.06                   |
| +50                          | 4.38                  | 4.46                   |
| +75                          | 4.32                  | 4.40                   |
| 45+00                        | 4.39                  | 4.47                   |
| +25                          | 4.47                  | 4.55                   |
| +50                          | 4.53                  | 4.61                   |
| +75                          | 4.62                  | 4.70                   |
| 46+00                        | 4.70                  | 4.78                   |
| +25                          | 4.79                  | 4.87                   |
| +50                          | 4.87                  | 4.95                   |
| +75                          | 4.93                  | 5.01                   |
| 47+00                        | 4.95                  | 5.03                   |

| DETOUR B PAVEMENT ELEVATIONS |                       |                        |
|------------------------------|-----------------------|------------------------|
| STATION                      | LEFT EDGE OF PAVEMENT | RIGHT EDGE OF PAVEMENT |
| 10+00                        | 5.26                  | 5.34                   |
| +25                          | 4.72                  | 4.80                   |
| +50                          | 4.57                  | 4.65                   |
| +75                          | 4.68                  | 4.76                   |
| 11+00                        | 5.12                  | 5.20                   |
| +25                          | 5.53                  | 5.61                   |
| +50                          | 5.24                  | 5.32                   |
| +75                          | 5.26                  | 5.34                   |
| 12+00                        | 5.66                  | 5.74                   |
| +25                          | 5.67                  | 5.75                   |
| +50                          | 5.10                  | 5.18                   |
| +75                          | 5.17                  | 5.25                   |
| 13+00                        | 5.24                  | 5.32                   |
| +25                          | 5.32                  | 5.40                   |
| +50                          | 5.39                  | 5.47                   |
| +75                          | 5.39                  | 5.47                   |

Begin Guard Rail, Type 3, Single at End of Structure, Face of Guard Rail to be in Line with Face of Curb. Install Anchor Block and Flared End. (See Standard Details).

PC Sta 40+87.15

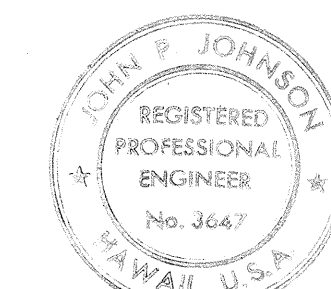
End Drainline II  
Detour A' Sta 42+32, 42' RT  
Profile Sta 11+84  
Inv. 0.3

Sta 13+16.54  
N 61,847.0  
E 535,810.0

Begin Drainline II  
Detour A' Sta 44+03, 28' LT  
Profile Sta 10+00  
Inv. 0.7

CURVE NO. ③  
R=500.0  
L=236.62  
T=120.57  
Δ=27°06'-53.1"

MATCH LINE-THIS SHEET



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STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

# DETOUR CONSTRUCTION PLAN

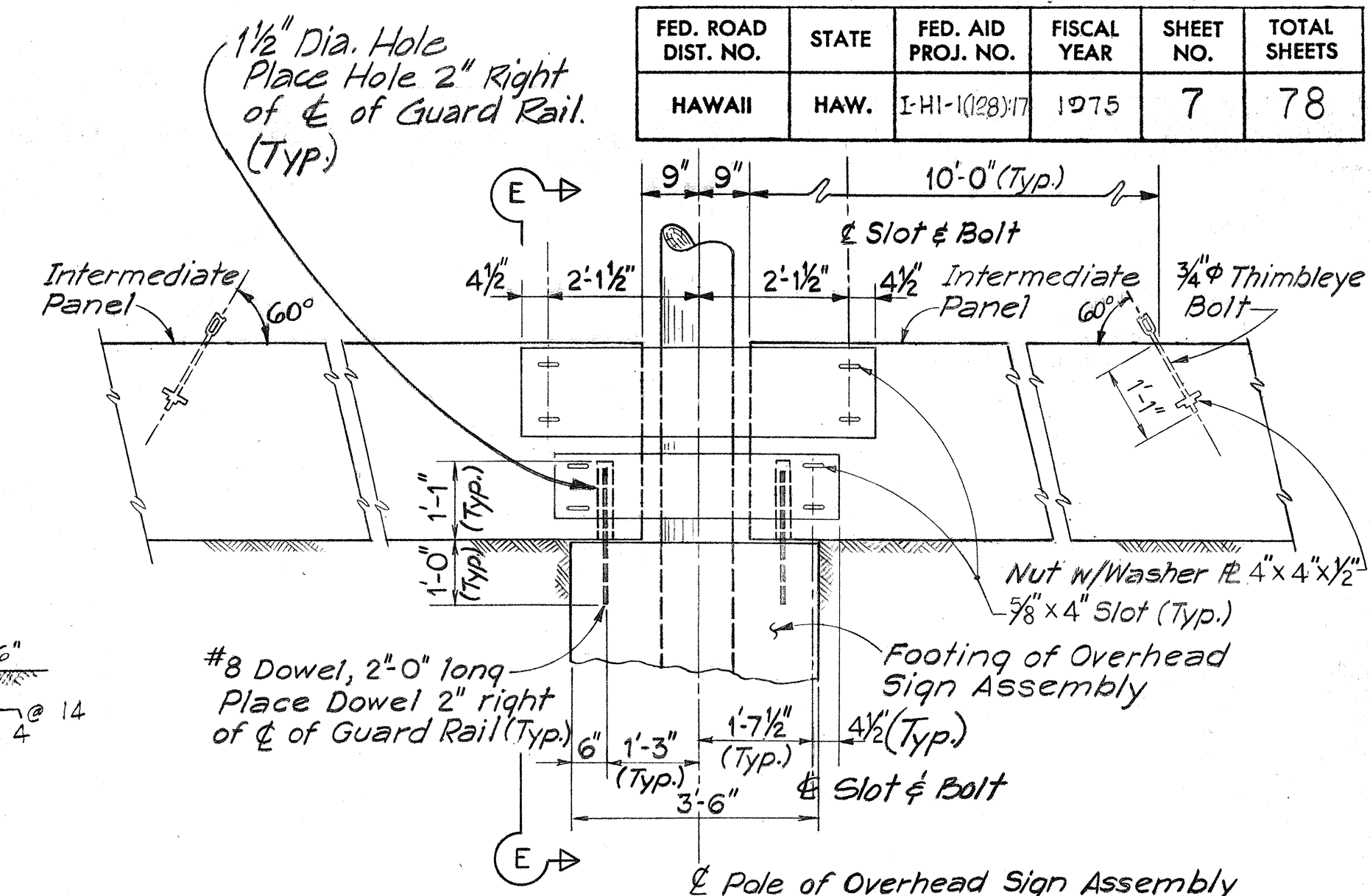
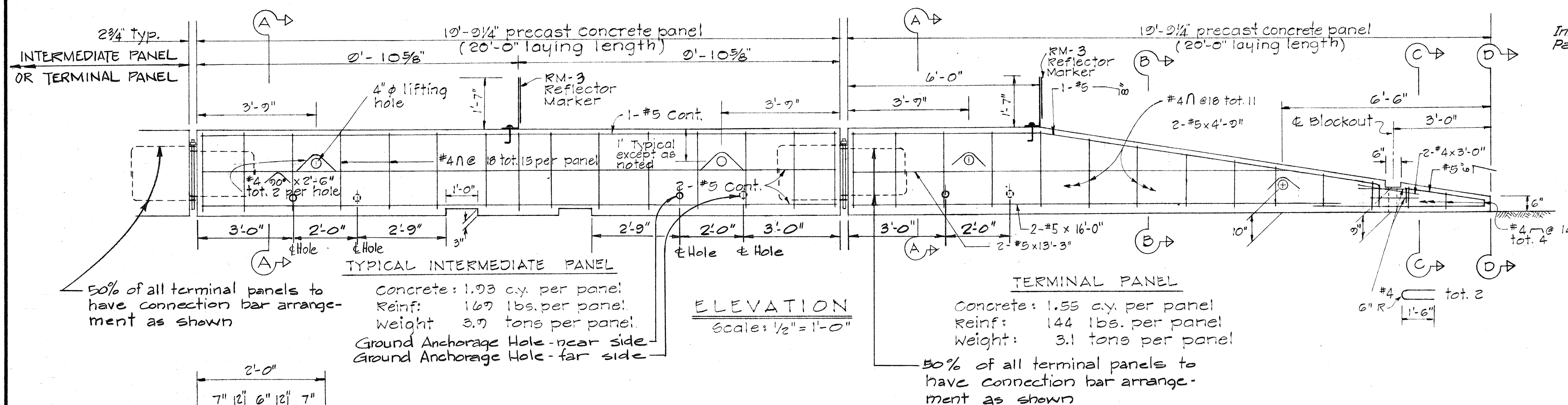
INTERSTATE ROUTE H-1  
PROJECT NO. I-H1-1 (28)17

SCALE: 1"=50' DATE: DEC 13, 1974  
SHEET No. 3 OF 7 SHEETS

|           |             |               |
|-----------|-------------|---------------|
| DATE      | DESIGNED BY | CHECKED BY    |
| PLAN      | TRACED BY   | QUANTITIES BY |
| NOTE BOOK |             |               |
|           |             |               |



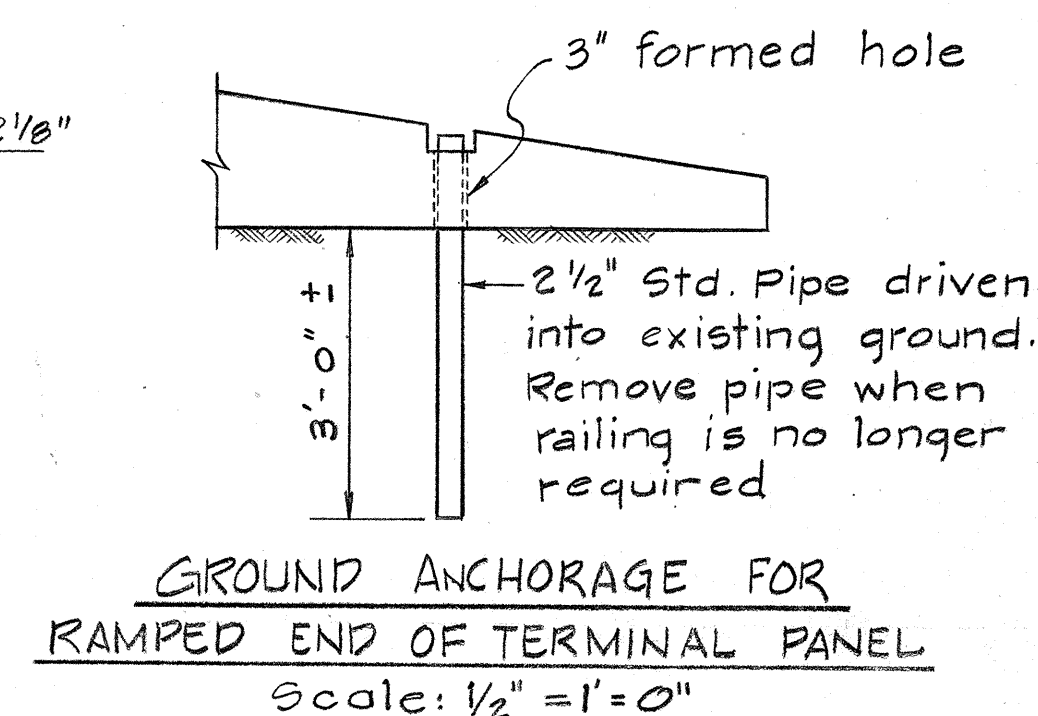
| FED. ROAD<br>DIST. NO. | STATE | FED. AID<br>PROJ. NO. | FISCAL<br>YEAR | SHEET<br>NO. | TOTAL<br>SHEETS |
|------------------------|-------|-----------------------|----------------|--------------|-----------------|
| HAWAII                 | HAW.  | I-HI-1(128)17         | 1975           | 7            | 78              |



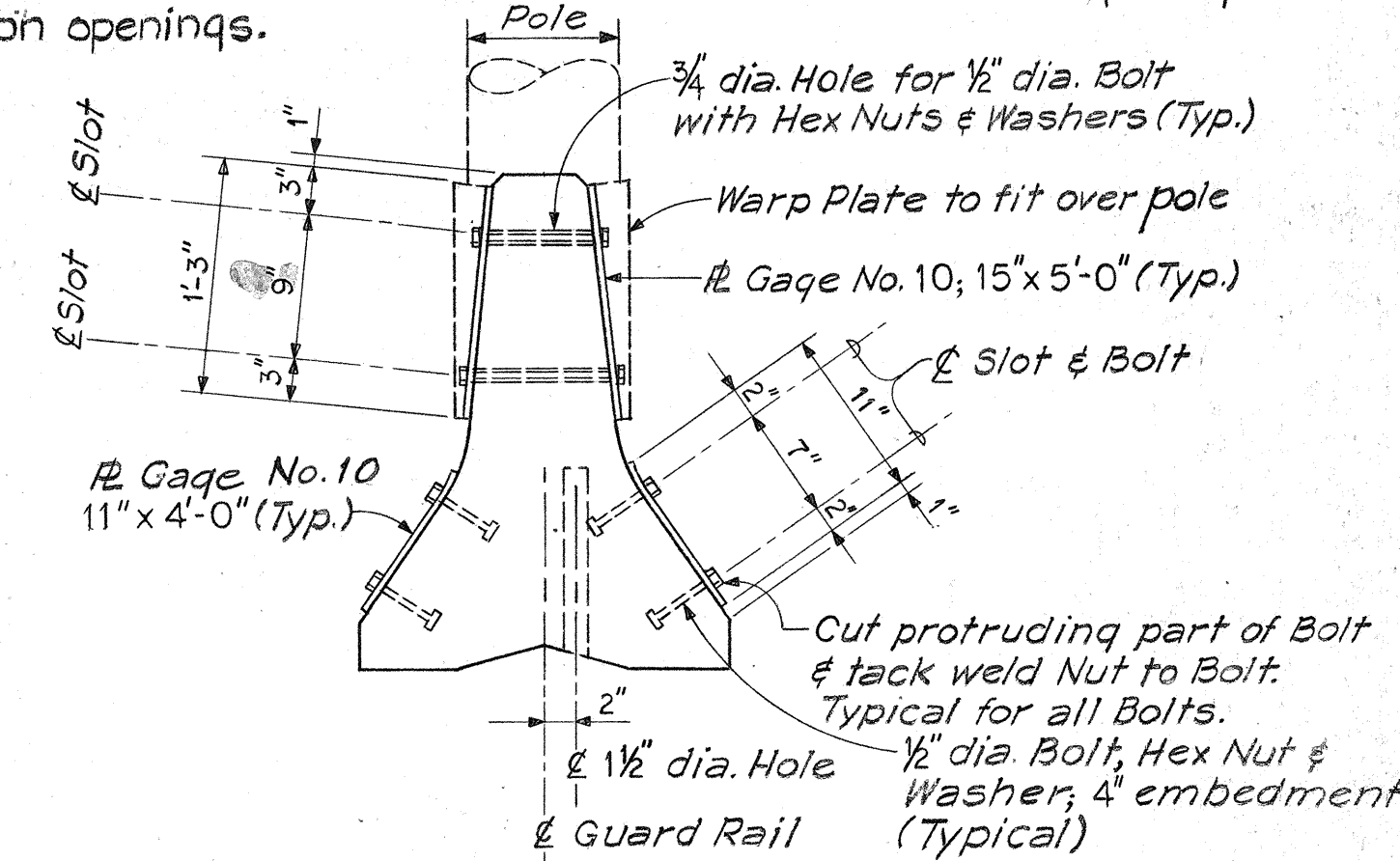
NOTE: Details not shown; see Typical Intermediate Panel  
ANCHORAGE AT POLE OF OVERHEAD SIGN ASSEMBLY  
Scale:  $\frac{1}{8}" = 1'-0"$

# NOTES

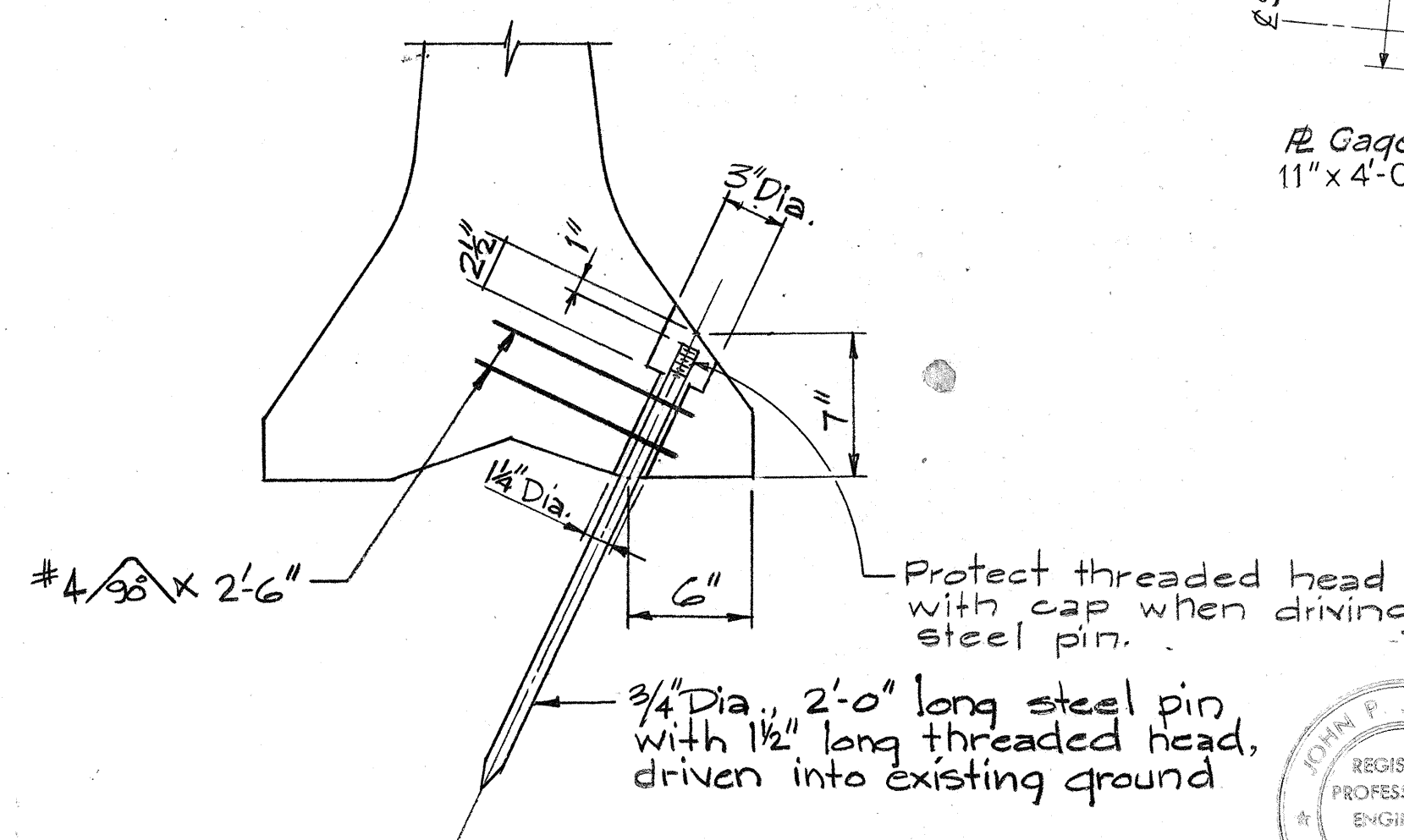
1. For details not shown in Sections B-B, C-C, & D-D, see Section A-A
2. Reflector Marker shall not be paid for separately but shall be considered incidental to "Portable Concrete Guard Rail."
3. Concrete shall be Class "A".
4. All bolts to have cut washers unless otherwise noted.
5. Construct asphalt concrete or mortar base where needed for proper setting of guard rail on existing pavement and use aggregate base material on unpaved areas. Construction of base shall not be paid separately but shall be considered incidental to "Portable Concrete Guard Rail." The base shall not be constructed under 1'-0" x 3" openings.



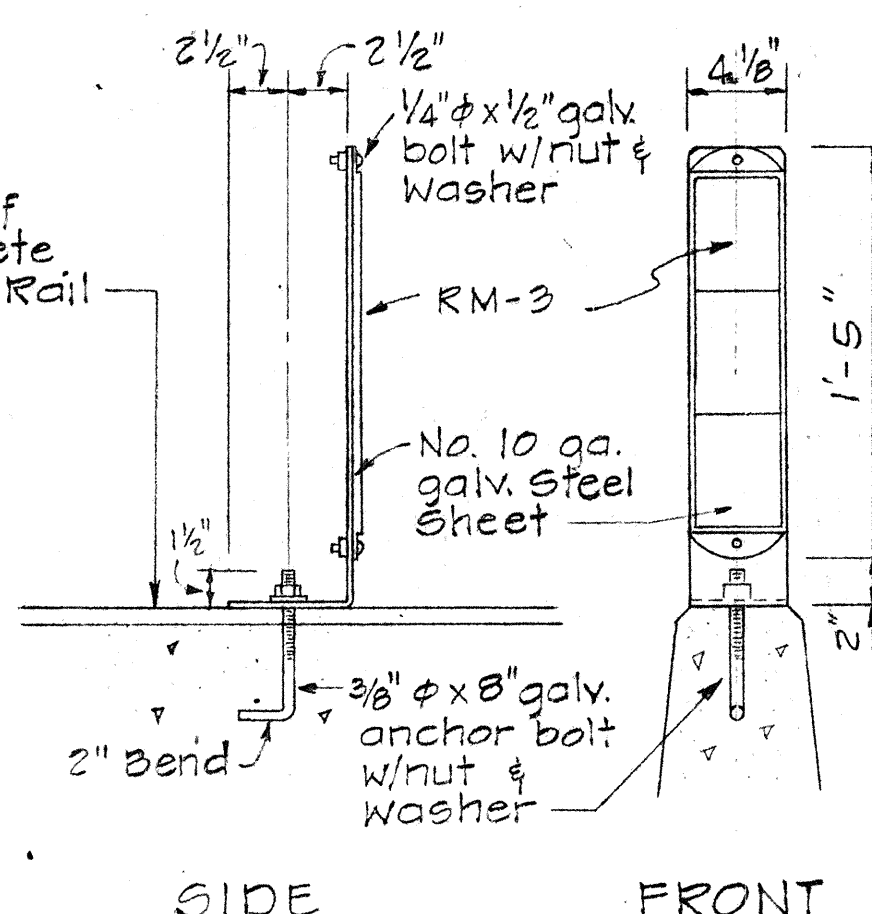
GROUND ANCHORAGE FOR  
RAMPED END OF TERMINAL PANEL  
Scale:  $\frac{1}{2}" = 1' = 0"$



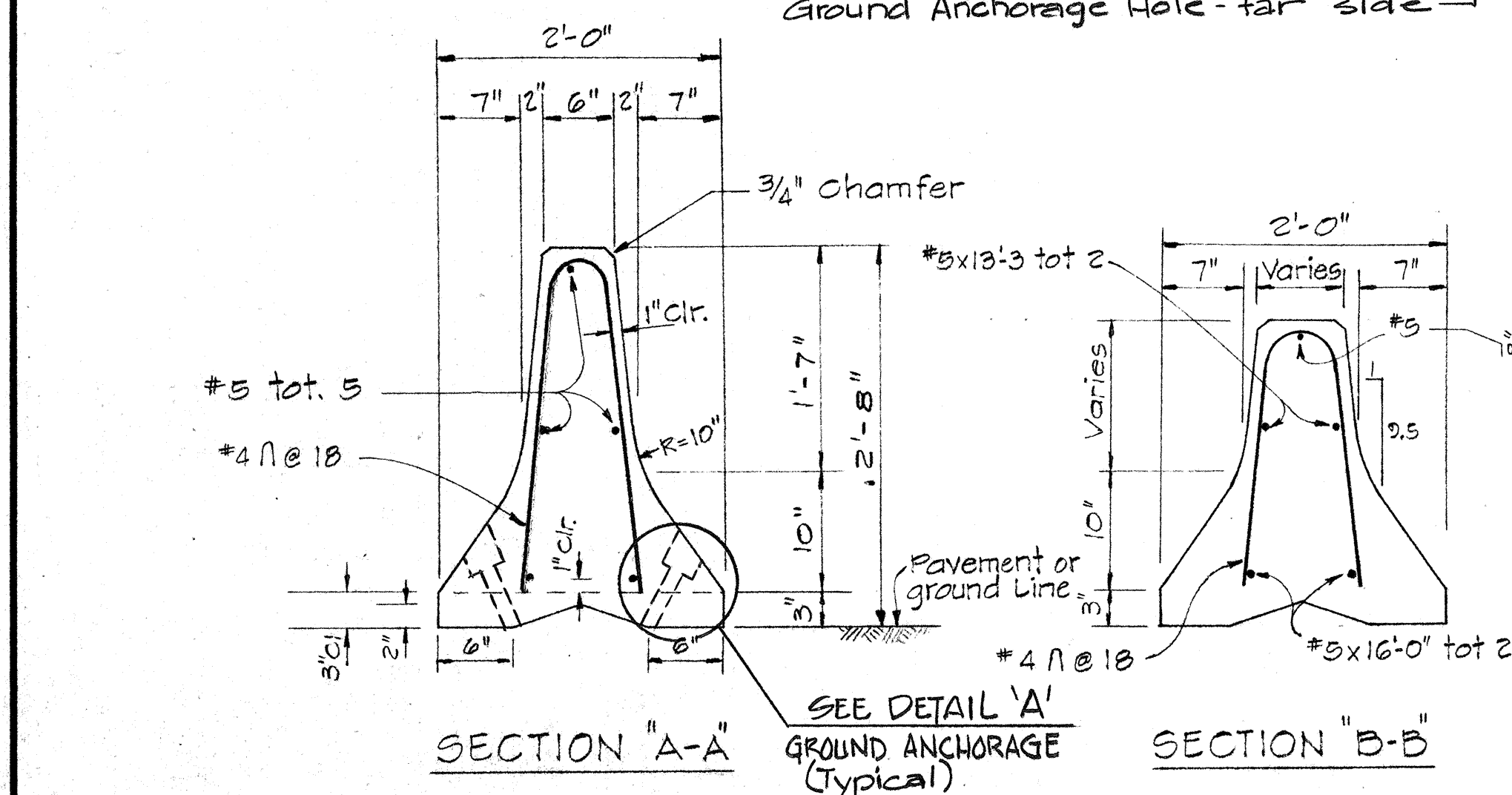
SECTION "E-E"  
Scale: 1"=1'-0"



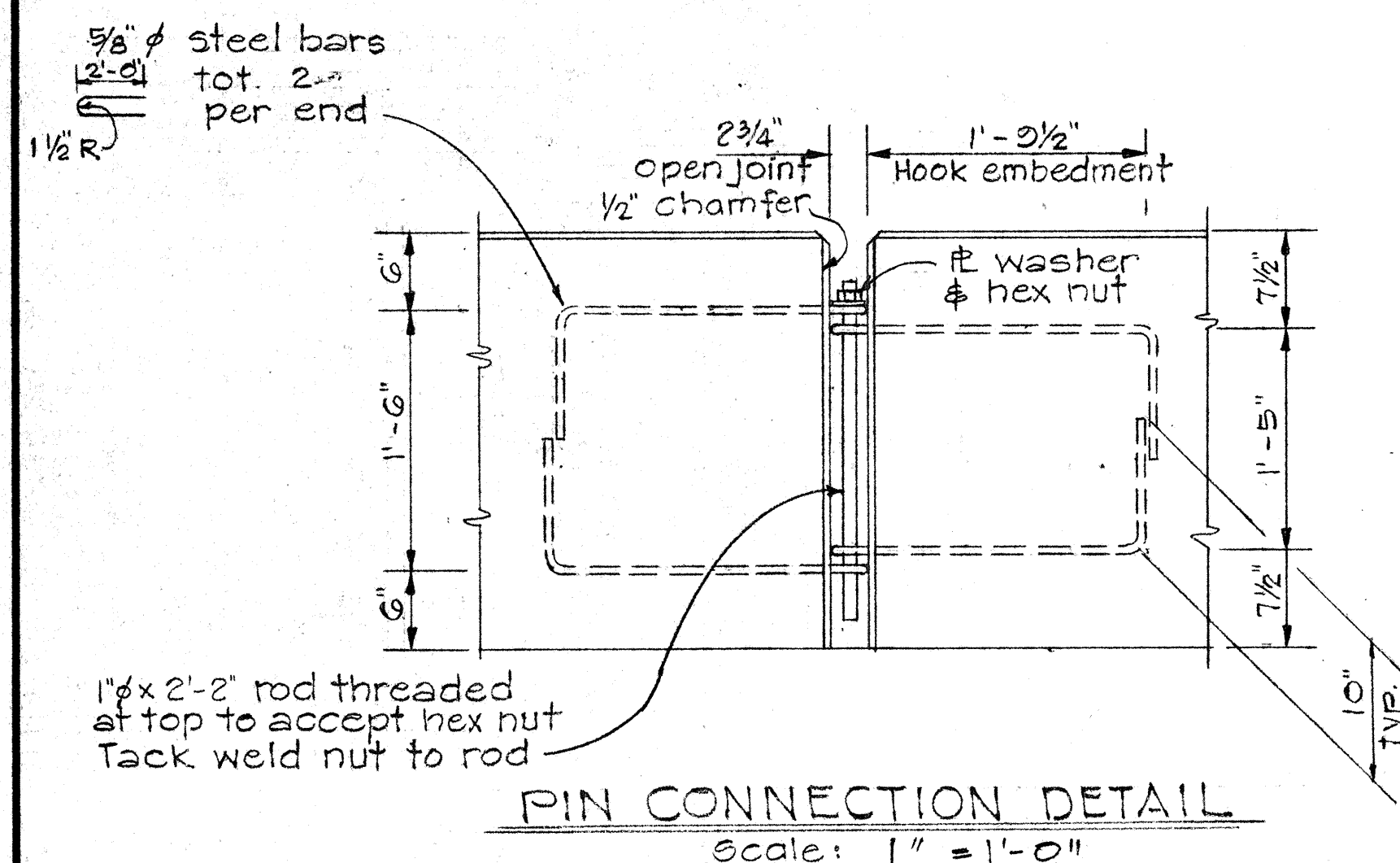
DETAIL A - GROUND ANCHORAGE  
scale:  $1\frac{1}{2}" = 1'-0"$



REFLECTOR MARKER  
MOUNTING DETAIL  
Scale:  $1\frac{1}{2}" = 1'-0"$



SECTIONS  
Scale: 1" = 1'-0"



PIN CONNECTION DETAIL  
Scale: 1" = 1'-0"

|                  |                                    |
|------------------|------------------------------------|
| ORIGINAL<br>PLAN | SURVEY PLOTTED BY _____ DATE _____ |
| NOTE BOOK        | DRAWN BY _____                     |
|                  | TRACED BY _____                    |
|                  | DESIGNED BY _____                  |
|                  | QUANTITIES BY _____                |
| No. _____        | CHECKED BY _____                   |



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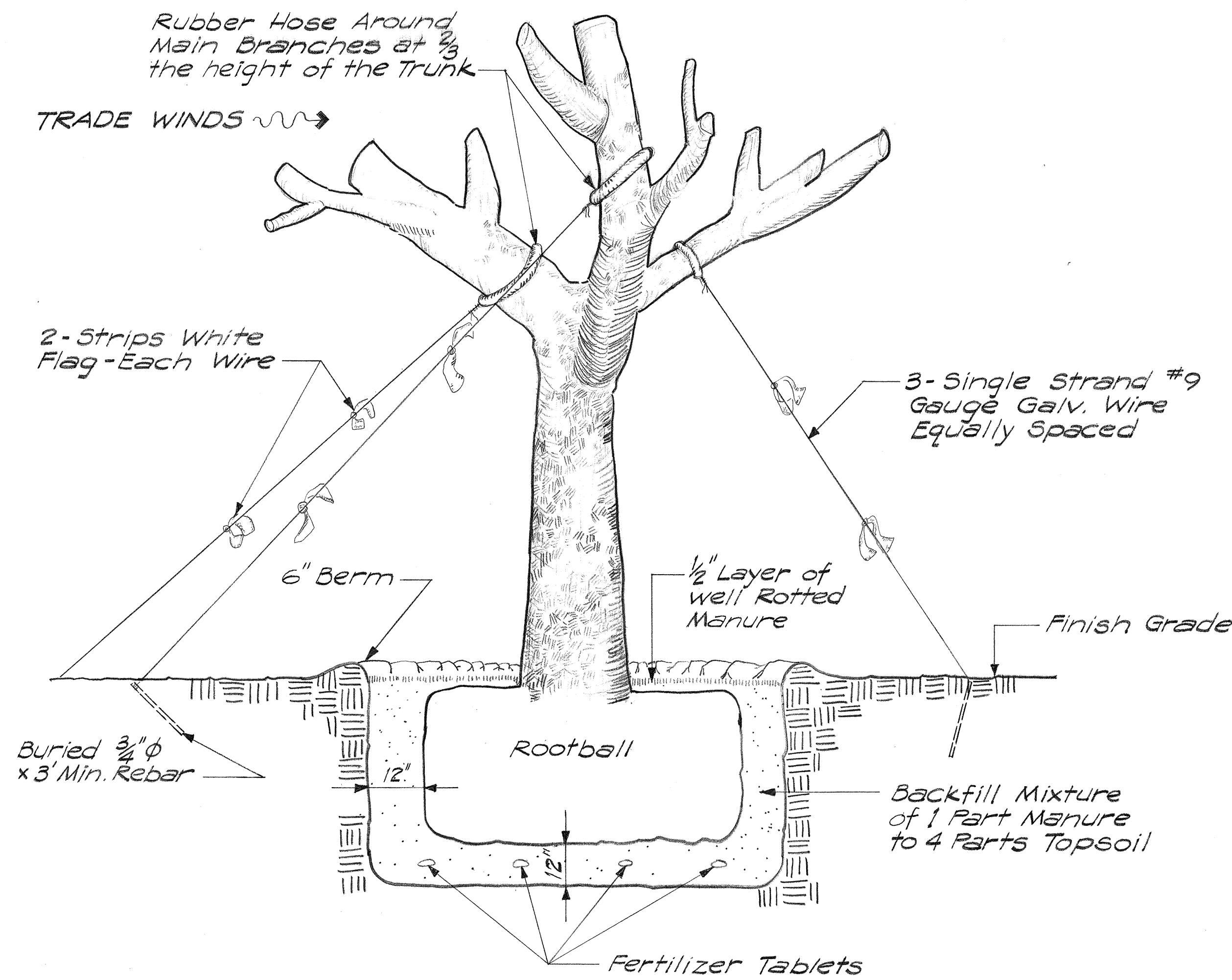
**STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION**

## PORTABLE CONCRETE GUARD RAIL TYPICAL DETAILS

INTERSTATE ROUTE H-1  
PROJECT NO. I-H1-1(128):17  
Scale: As Noted Date: DEC 13, 1974  
**SHEET No. 5 OF 7 SHEETS**

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | I-H-1(128):17      | 1975        | 8         | 78           |

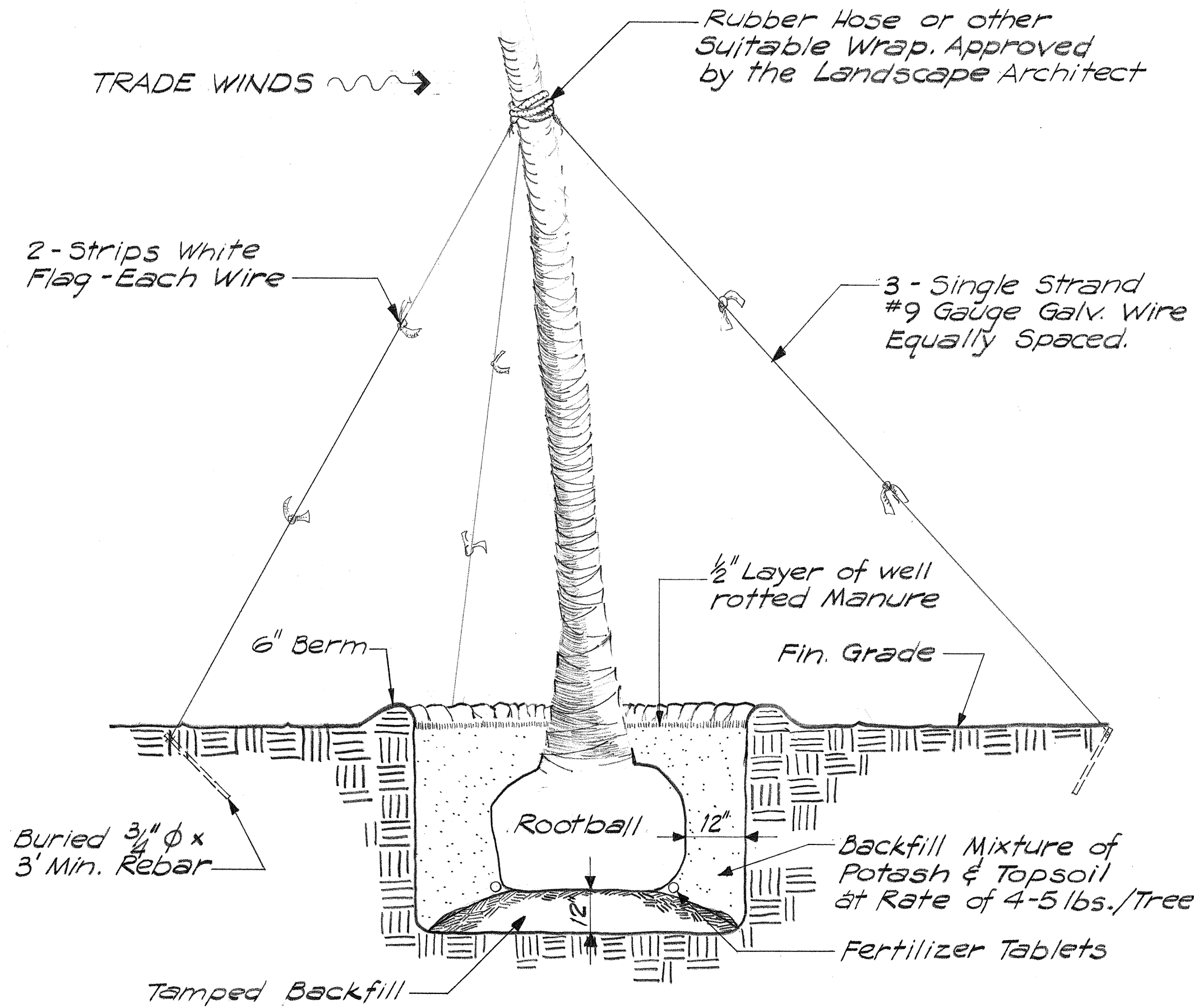
- GENERAL NOTES:**
1. The new location of trees to be transplanted will be determined by the Engineer.
  2. Minimum clearance from underground drainage and utility facilities shall be 8 feet for trees.



**SPECIMEN SPREADING TREES**  
**STAKING/TRANSPLANTING DETAIL (Typical)**  
 N.T.S.

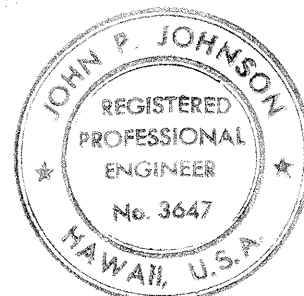
**NOTES FOR 'SPREADING TREES':**

1. Approximately One-Third to One-Half of Branch Structure shall be removed, but General Shape and Character of the Tree shall be Preserved.
2. Remove all Diseased, Broken or weak Branches.
3. All Cuts over 2" in Diameter shall be Painted with approved Tree Paint.



**SPECIMEN PALM TREES**  
**STAKING/TRANSPLANTING DETAIL (Typical)**  
 N.T.S.

|                   |       |
|-------------------|-------|
| DATE              | _____ |
| SURVEY PLOTTED BY | _____ |
| DRAWN BY          | _____ |
| TRACED BY         | _____ |
| QUANTITIES BY     | _____ |
| CHECKED BY        | _____ |
| NO.               | _____ |



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 HIGHWAYS DIVISION

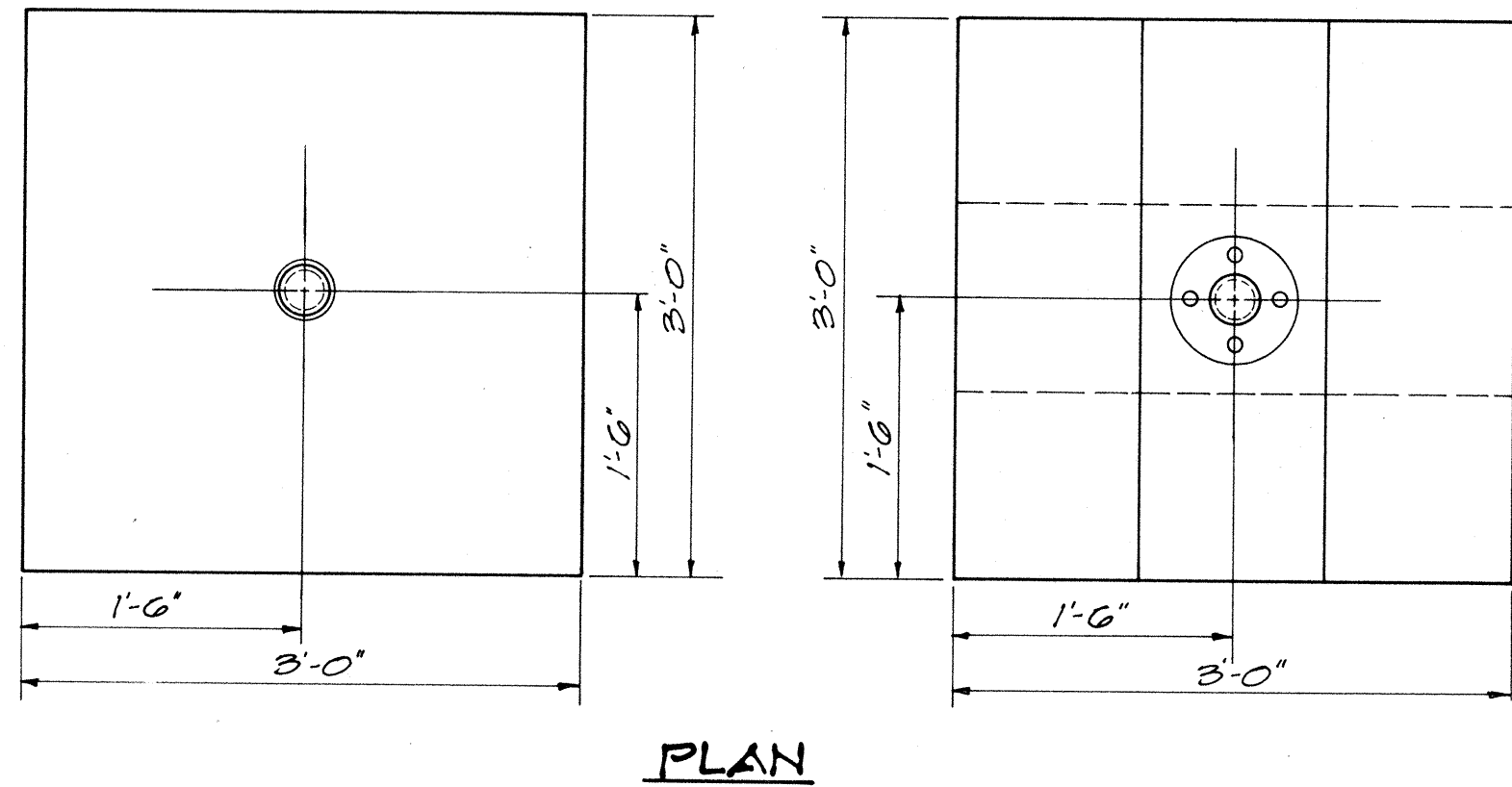
**TRANSPLANT DETAILS**

INTERSTATE ROUTE H-1  
 PROJECT NO. I-H-1(128):17

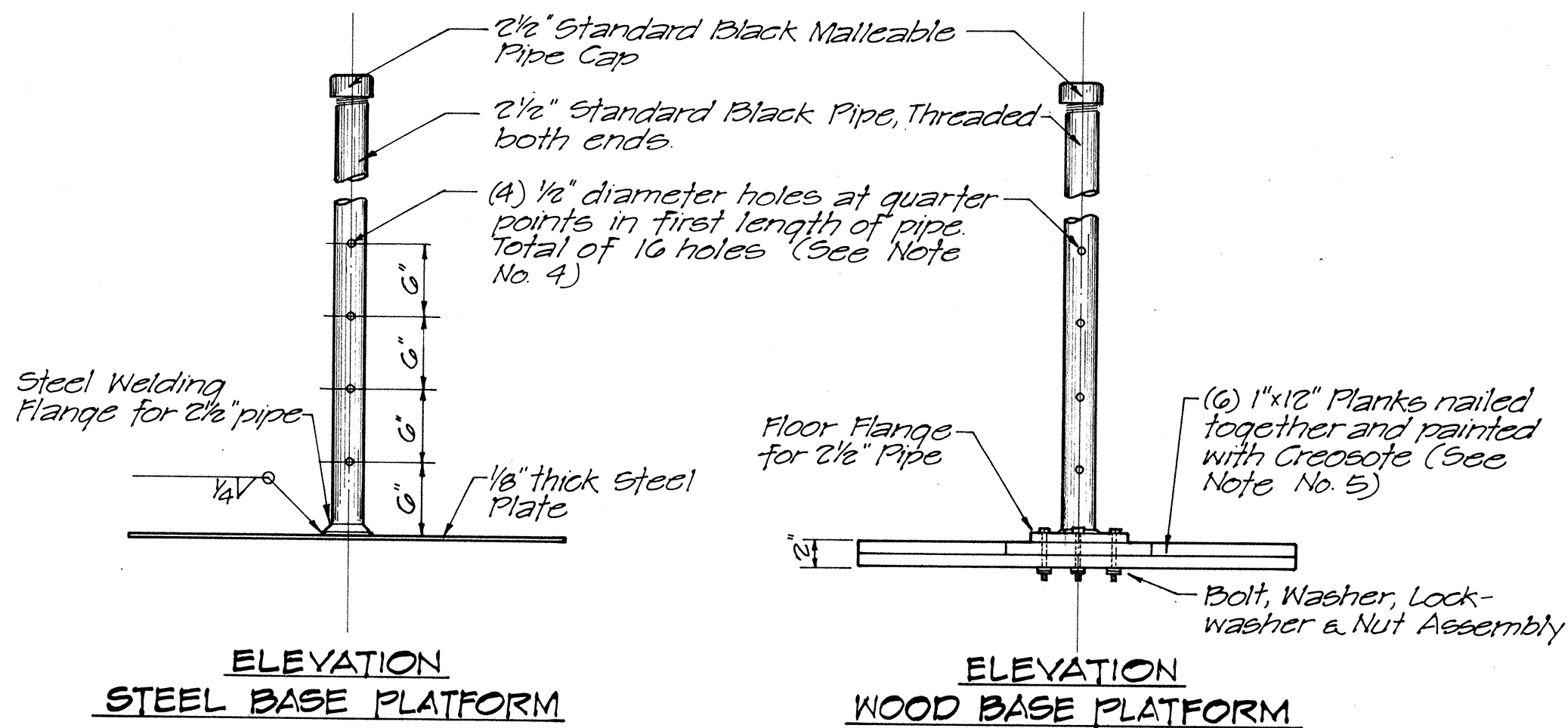
SCALE: 1"=50' DATE: \_\_\_\_\_

SHEET No. 6 OF 7 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | I-HI-1(128):17     | 1975        | 9         | 78           |



PLAN

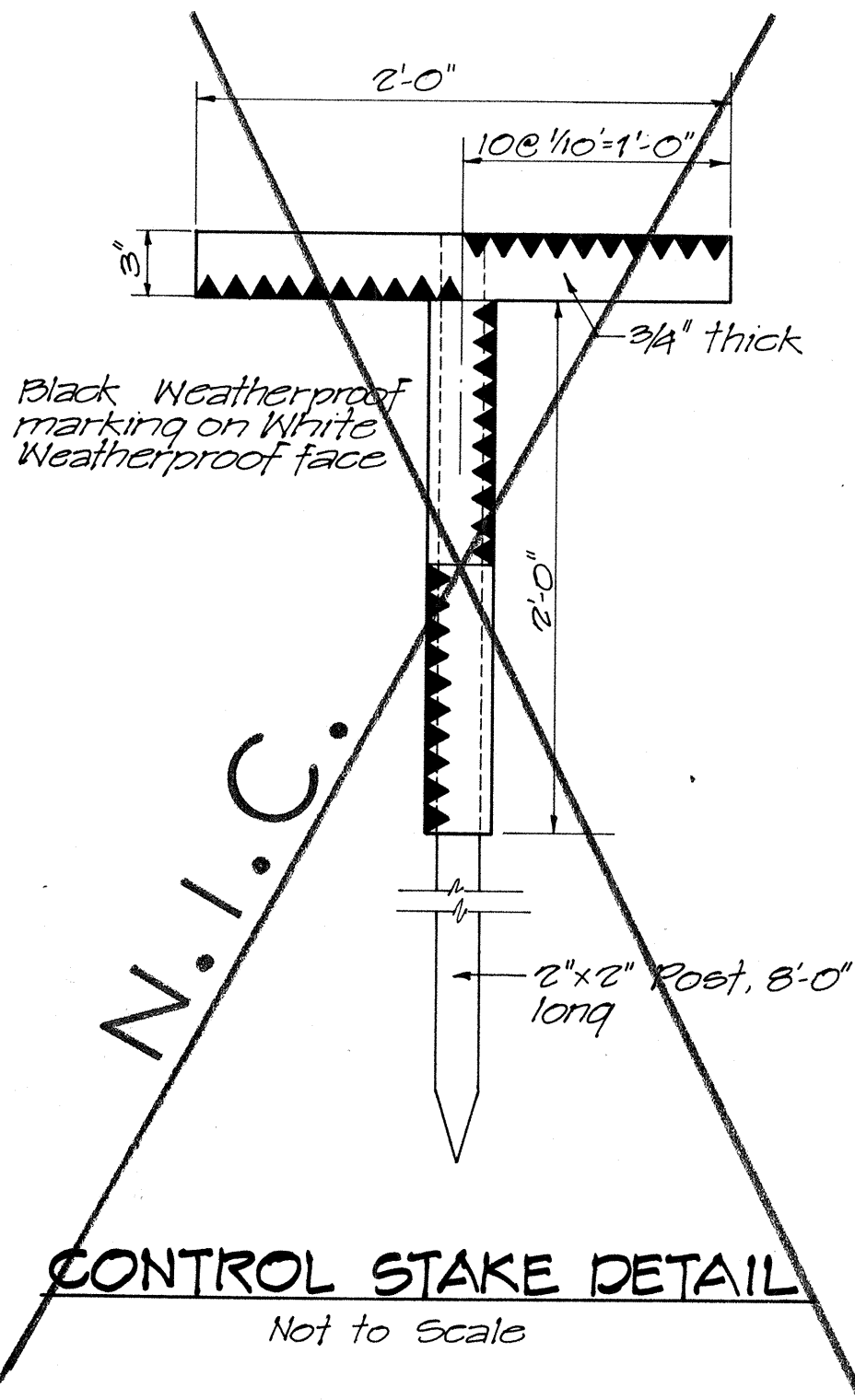


SETTLEMENT PLATFORM DETAIL

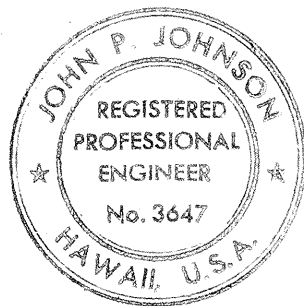
Scale: 1"=1'-0"

SETTLEMENT PLATFORM NOTES:

1. The use of either the Steel or Wood Base Settlement Platforms shall be the Contractor's option.
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 yellow paint by the Contractor immediately after each section of pipe is added.
4. Holes to be drilled in first length of pipe, if specified.
5. Material shall be in accordance with specifications.



|               |      |
|---------------|------|
| ORIGINAL PLAN | DATE |
| DESIGNED BY   |      |
| TRACED BY     |      |
| NOTE BOOK     |      |
| QUANTITIES BY |      |
| CHECKED BY    |      |
| No.           |      |



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STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

SOIL STABILIZATION  
DETAILS

INTERSTATE ROUTE H-1  
PROJECT NO. I-HI-1(128):17  
SCALE: AS NOTED  
DATE: DEC 13, 1974

SHEET No. 7 OF 7 SHEETS