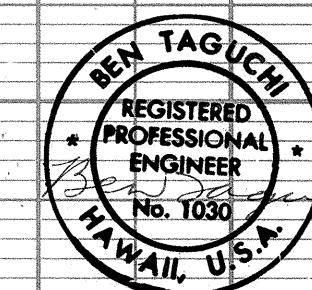
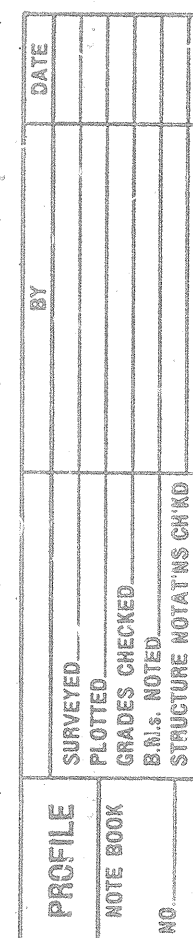


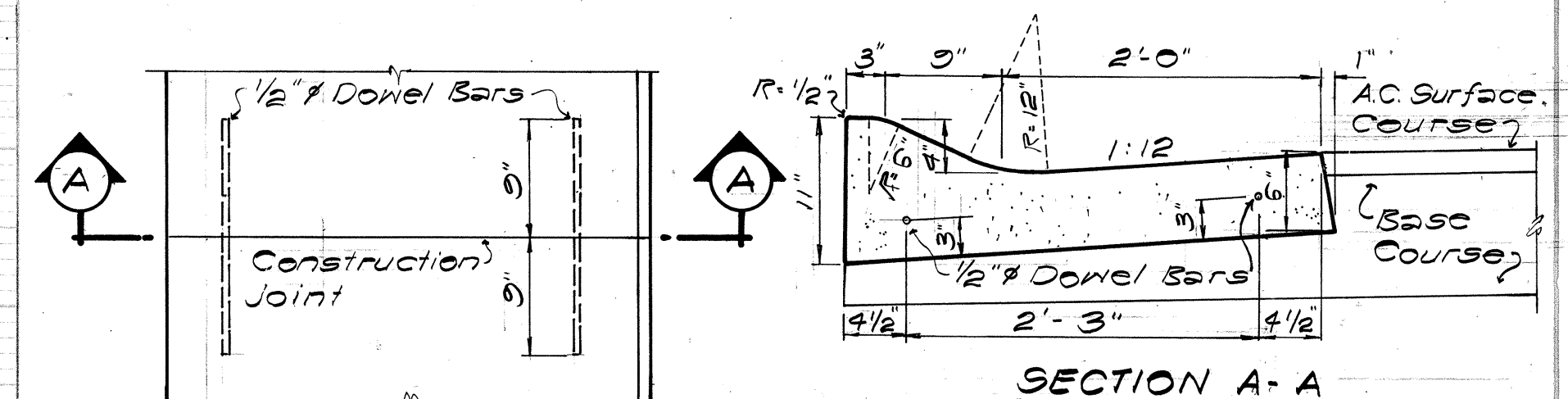
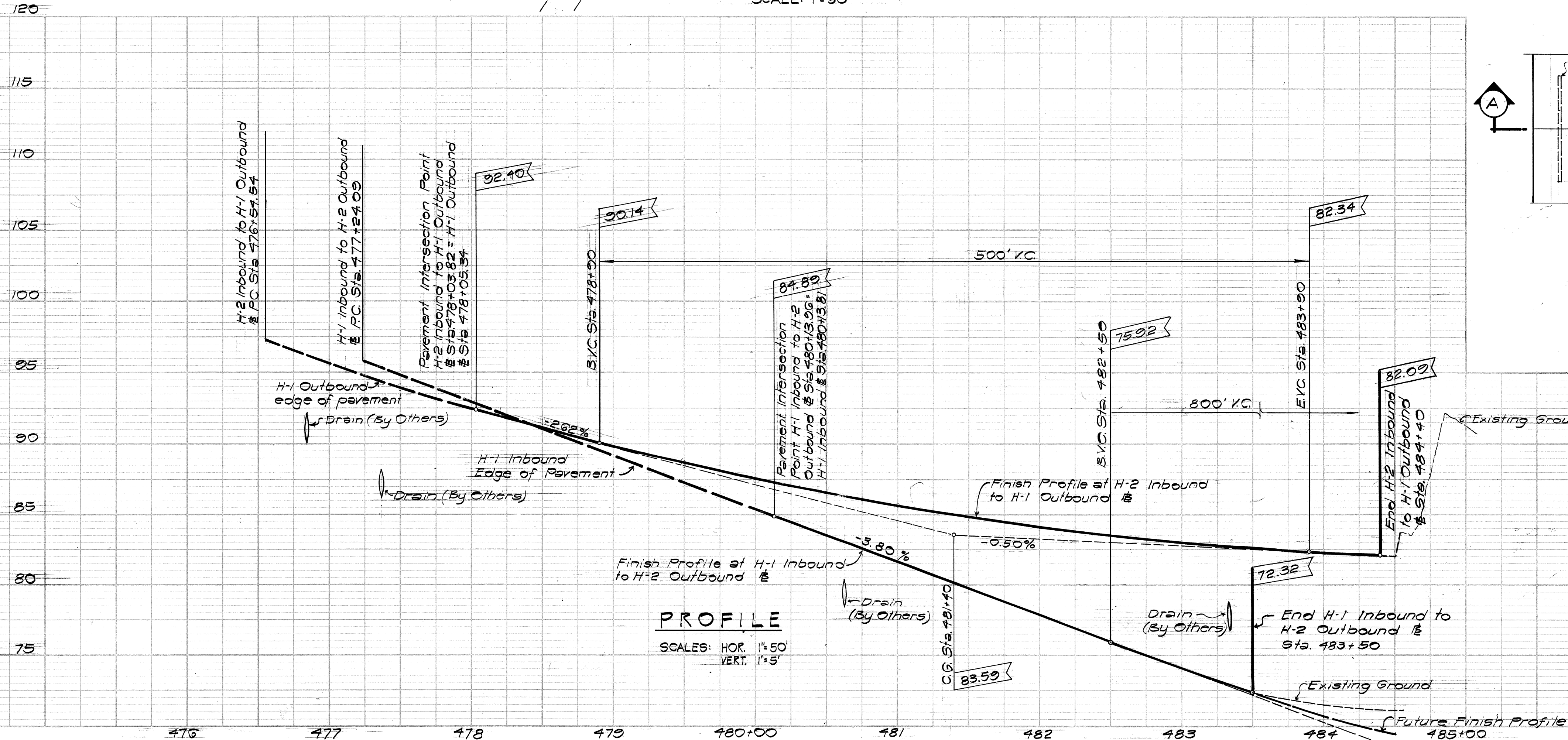
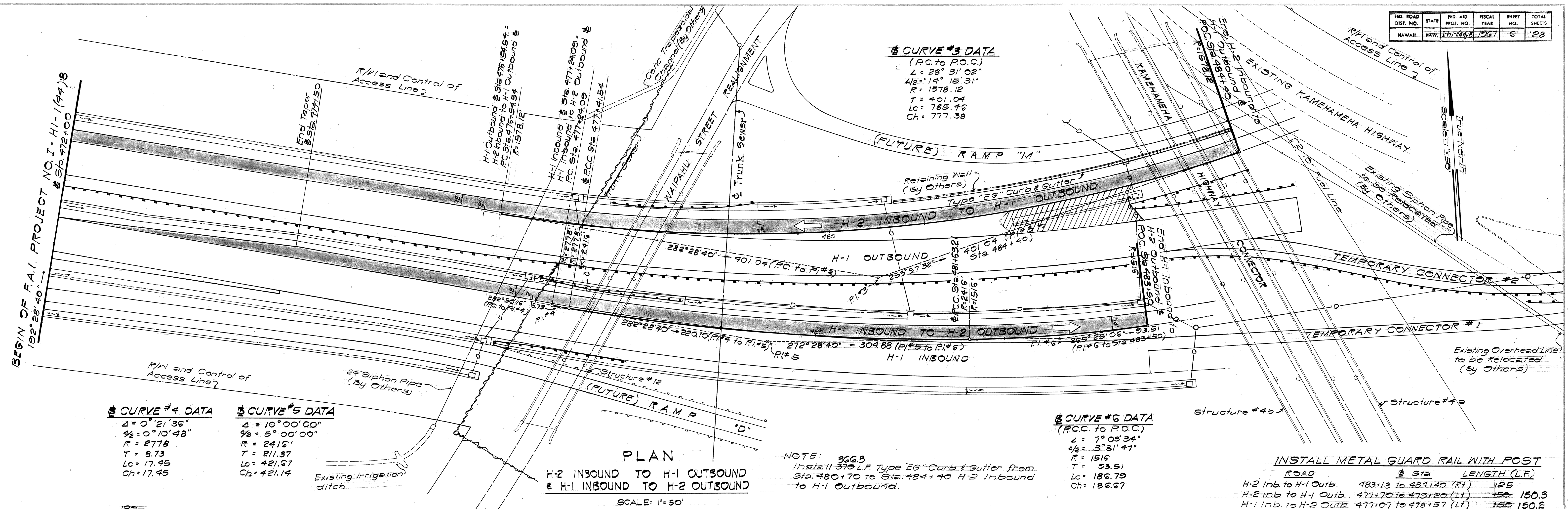
|           |                    |    |      |
|-----------|--------------------|----|------|
| FLAN      | SURVEYED           | BY | DATE |
| NOTE BOOK | PLOTTED            |    |      |
| MO        | ALIGNMENT CHECKED  |    |      |
|           | RT. OF WAY CHECKED |    |      |



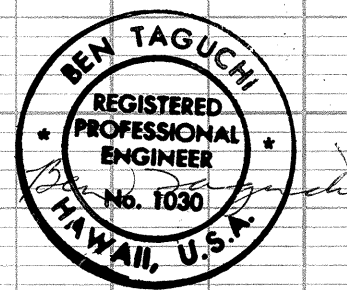
| PLAN      | DATE | BY | DATE | BY |
|-----------|------|----|------|----|
| SURVEYED  |      |    |      |    |
| NOTED     |      |    |      |    |
| ALIGNED   |      |    |      |    |
| CHECKED   |      |    |      |    |
| RT OF WAY |      |    |      |    |
| CHECKED   |      |    |      |    |
| NO.       |      |    |      |    |

| PROFILE   | DATE | BY | DATE | BY |
|-----------|------|----|------|----|
| SURVEYED  |      |    |      |    |
| NOTED     |      |    |      |    |
| GRADES    |      |    |      |    |
| CHECKED   |      |    |      |    |
| STRUCTURE |      |    |      |    |
| NOTES     |      |    |      |    |
| CHECKED   |      |    |      |    |
| NO.       |      |    |      |    |

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HA    | 111-144-8          | 1967        | 6         | 28           |



**NOTE:**  
All dowel bars shall be painted and oiled to prevent bond with concrete.

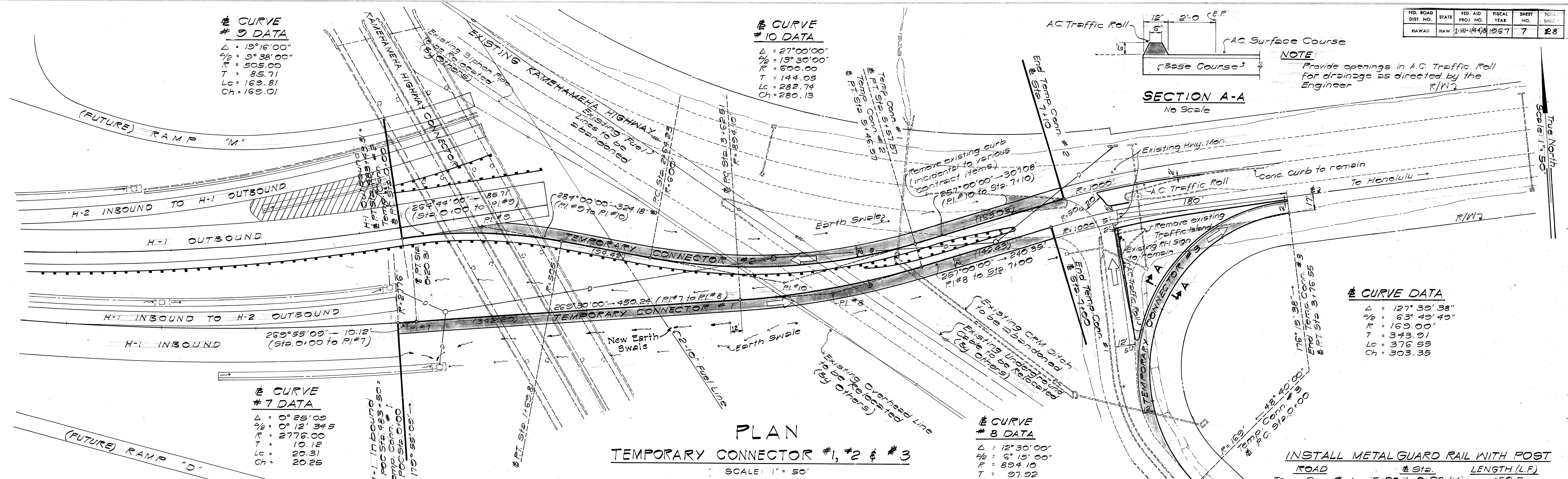


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| PLAN              | DATE | BY | DATE | BY |
|-------------------|------|----|------|----|
| SURVEYED          |      |    |      |    |
| NOTE BOOK         |      |    |      |    |
| ALIGNMENT CHECKED |      |    |      |    |
| RT OF WAY CHECKED |      |    |      |    |
| NO.               |      |    |      |    |

| PROFILE            | DATE | BY | DATE | BY |
|--------------------|------|----|------|----|
| SURVEYED           |      |    |      |    |
| NOTE BOOK          |      |    |      |    |
| GRADES CHECKED     |      |    |      |    |
| STRUCTURE NOTATION |      |    |      |    |
| NO.                |      |    |      |    |

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW   | IHI-1448           | 1967        | 7         | 28           |



**§ CURVE #9 DATA**  
 $\Delta = 19^\circ 16' 00''$   
 $\frac{\Delta}{2} = 9^\circ 38' 00''$   
 $R = 505.00$   
 $T = 85.71$   
 $LC = 169.81$   
 $Ch = 169.01$

**§ CURVE #10 DATA**  
 $\Delta = 27^\circ 00' 00''$   
 $\frac{\Delta}{2} = 13^\circ 30' 00''$   
 $R = 600.00$   
 $T = 144.05$   
 $LC = 282.74$   
 $Ch = 280.13$

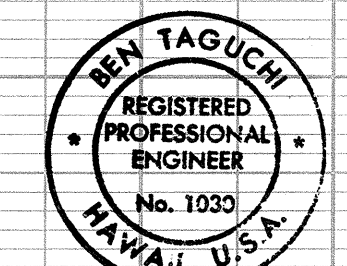
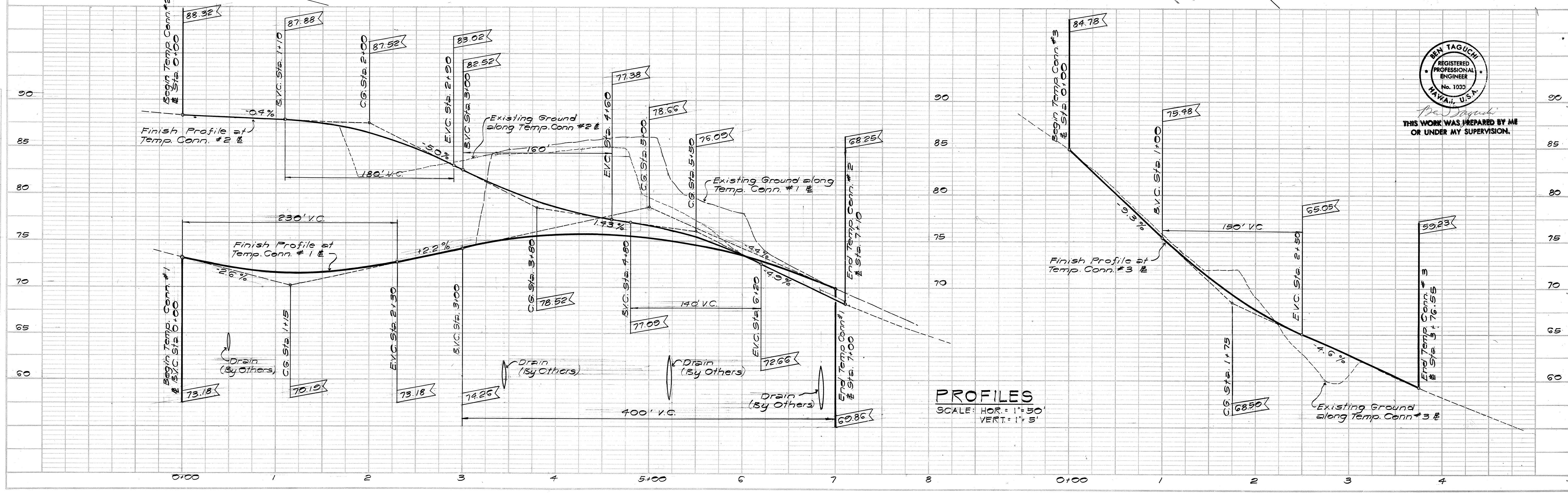
**§ CURVE #7 DATA**  
 $\Delta = 0^\circ 25' 00''$   
 $\frac{\Delta}{2} = 0^\circ 12' 34.8''$   
 $R = 2776.00$   
 $T = 10.12$   
 $LC = 20.31$   
 $Ch = 20.25$

**§ CURVE #8 DATA**  
 $\Delta = 12^\circ 30' 00''$   
 $\frac{\Delta}{2} = 6^\circ 15' 00''$   
 $R = 894.10$   
 $T = 97.92$   
 $LC = 195.06$   
 $Ch = 194.67$

**§ CURVE DATA**  
 $\Delta = 127^\circ 35' 38''$   
 $\frac{\Delta}{2} = 63^\circ 47' 49''$   
 $R = 169.00$   
 $T = 343.91$   
 $LC = 376.55$   
 $Ch = 303.35$

**INSTALL METAL GUARD RAIL WITH POST**

| ROAD           | § Sta.            | LENGTH (L.F.) |
|----------------|-------------------|---------------|
| Temp. Conn. #1 | 5+00 to 6+52 (Lt) | 162.5         |
| Temp. Conn. #2 | 0+00 to 6+50 (Rt) | 650           |



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