

**OVERHAUL SUMMARY**

| STATION       | TO STATION | OVERHAUL DISTANCE | CUBIC YARD    | STATION       | MILE          |
|---------------|------------|-------------------|---------------|---------------|---------------|
| 220+72.88     | 267+00.00  | 0.7 Mi.           | 18,990        |               | 13.293        |
| 229+87.68     | 248+06.22  | 6.16+Sta.         | 9,506         | 77,810        |               |
| 286+31.14     | 274+02.76  | 1.38 Sta.         | 256           | 353           |               |
| <b>TOTALS</b> |            |                   | <b>28,752</b> | <b>78,163</b> | <b>13,293</b> |

**Profile View Details:**

- Proposed Finish Grade at left edge of Pav't.**
- Profile of existing ground**
- EXTEND EXISTING 36" RCCP**  
Inv. Lt. = 23.7±  
27.10
- EXTEND EXISTING 48" RCCP**  
Inv. Lt. = 23.9±  
24.35
- OVERHAUL TO STA. 267+00**  
Exc. = 18,997 c.y.  
Emb. = 7 c.y.
- WASTE**  
Exc. = 8801 c.y.  
Emb. = 2 c.y.
- Twin 5'x5' Box Culvert (New)**  
Inv. Lt. = 22.88  
Inv. Rt. = 21.88
- Manhole 1:** STA. 193+91, 20.5±
- Manhole 2:** STA. 198+43, 30.5±



| FED. ROAD DIST. NO. | STATE | FED. PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|----------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | RADEB(1)       | 1963        | 4         | 15           |

STA. 222+21±  
Extend existing 48" RCCP Culvert.  
Construct (1) Special CRM Headwall  
Estimated Quantities:  
Struct. Exc. 5 - 0 c.y.  
48" CLXX RCCP 4 - 1 ft.  
CRM 4.6 - 0 c.y.  
Channel Exc. 1 - 0 c.y.

STA. 227+18±  
Extend existing Concrete Box Culvert (For Details and Quantities see Sht. No. 9)

± CURVE DATA  
Curves 24' ± 15'  
Δ = 3° 20'  
R = 1' 40'  
T = 2000  
C = 58.19  
Lc = 112.34  
Lc = 112.36

STA. 240+50  
Install (2) 48" CLXX RCCP  
Construct (2) Special CRM Headwalls and excavate Intersecting Ditch.  
See Sht. No. 8 Details  
Estimated Quantities:  
Struct. Exc. 1748 - 0 c.y.  
48" Pipe 807 - 0 ft.  
CRM 12.64 - 0 c.y.  
Channel Exc. 10 - 0 c.y.

SPEED LIMIT 25  
R-1(25)

SPEED ZONE AHEAD  
R-2

SPEED LIMIT 45  
R-1(45)

± CURVE DATA  
Δ = 35° 05'  
R = 17' 32' 30"  
T = 1200.00  
C = 579.32  
Lc = 754.75  
e = .082

NOTE:  
FOR DETAIL OF TEMPORARY CONNECTION AND OF APPROACH AT STA. 230+21 RT., SEE SHEET NO. 9

STA. 250+50 Lt. to STA. 255+50 Lt.  
Excavate Intersecting Ditch.  
(For Details See Sht. No. 8)  
Channel Exc. 366 c.y.

STA. 249+75 to STA. 255+75 Lt.  
Construct GRP Facing on embankment.  
(For Details See Sht. No. 8)  
Estimated Quantities:  
GRP 200 c.y.  
121.1

STA. 232+00  
Construct Double 10' x 8' Box Culvert (For Details & Quant. See Sht. No. 10)

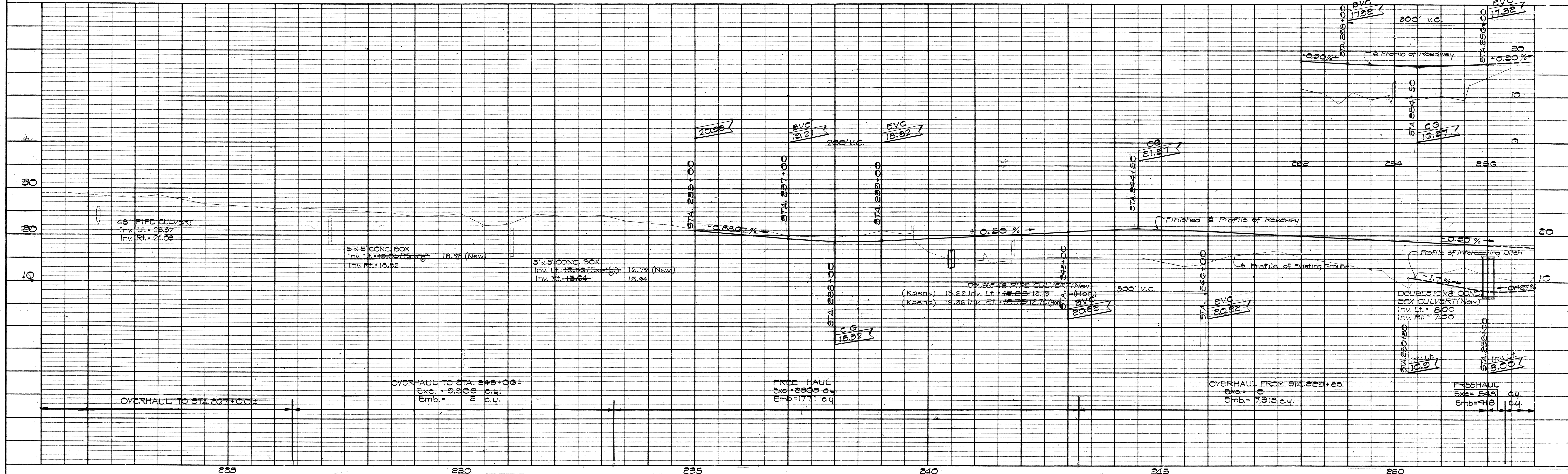
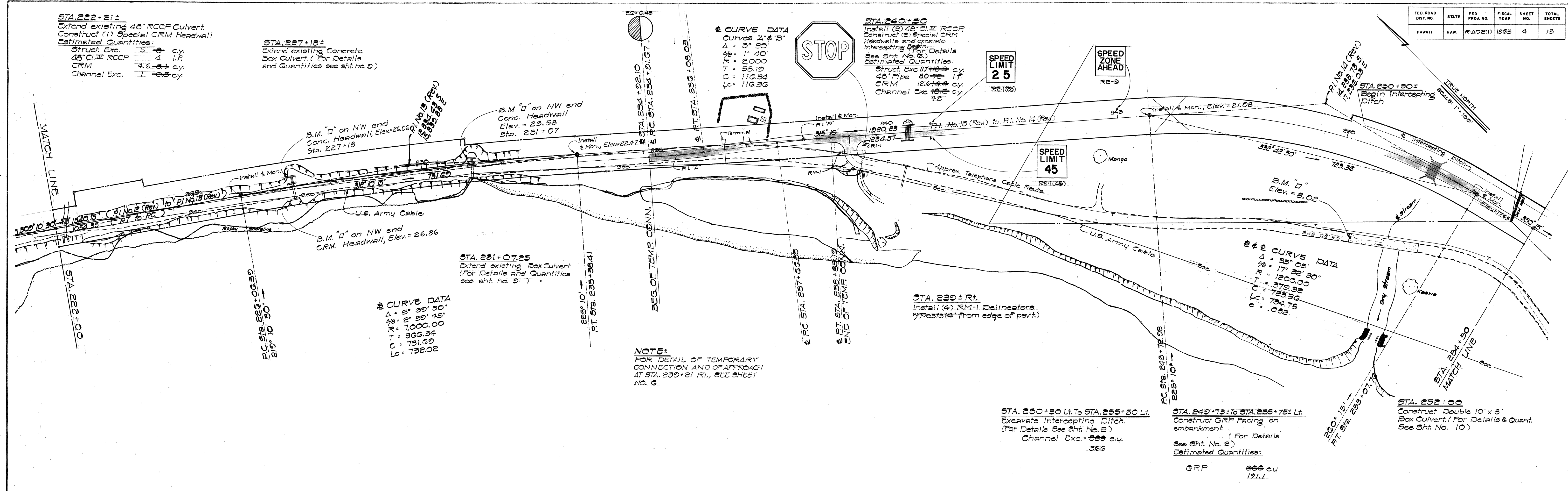


PLATE 1 - PLAN-PROFILE O.P.R. & R.E. STANDARD  
KEUFFEL & ESSER CO., NEW YORK

K & E Co. No. 348-1C  
"IMPROVED" PAVING GUIDE



| FED. ROAD DIST. NO. | STATE | FED. PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|----------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | RA22(1)        | 1963        | 5         | 15           |

