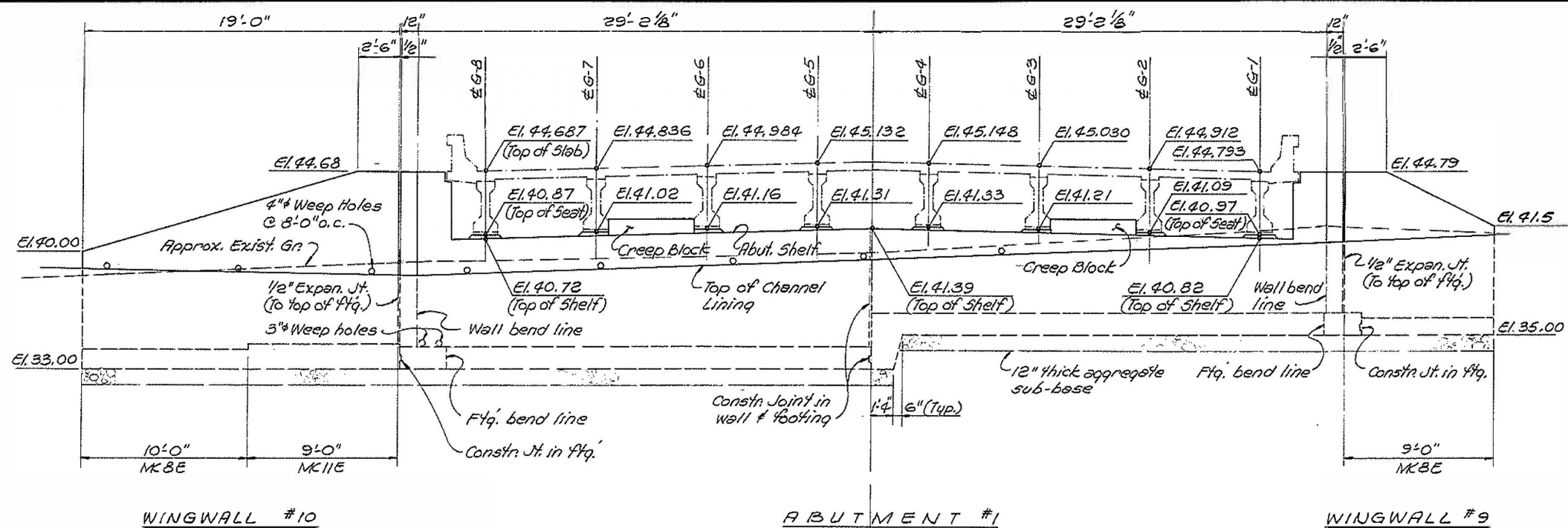
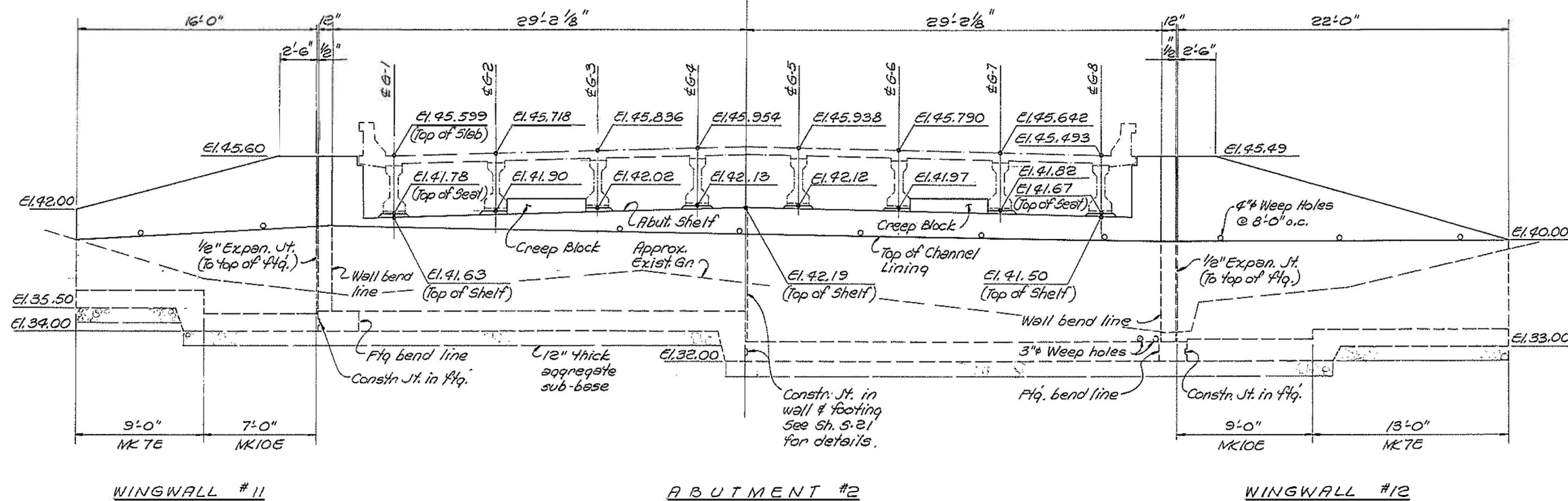




| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | F-031-1(6)         | 1978        | 241       | 262          |



**NOTE**  
Horizontal wingwall dimensions shown are as rotated to plane of abutment. See Plan.



# **WAIPIULANI BRIDGE WALL ELEVATIONS** Scale: 1/4" = 1'-0"

- REFERENCE DRAWINGS**
- 1. Abutment details Sh. 5.20 & 5.21
  - 2. Wingwall details Sh. 7.3 & 7.10



This work was prepared by me or under my supervision.  
*Raymond Y. Furuta*

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
LAND TRANSPORTATION FACILITIES DIVISION  
**WAIPIULANI GULCH BRIDGE**  
ABUTMENT & WINGWALL ELEVATIONS  
PIILANI HIGHWAY  
VICINITY OF KILOHANA STREET  
P.A. PROJECT NO. F-031-1(6)  
DISTRICT OF MAUI  
DATE SEP 1978

SCALE: AS SHOWN

SHEET No. 5.18 OF 29 SHEETS

|                   |       |
|-------------------|-------|
| DATE              | _____ |
| SURVEY PLOTTED BY | _____ |
| DESIGNED BY       | _____ |
| QUANTITIES BY     | _____ |
| CHECKED BY        | _____ |
| ORIGINAL PLAN     | _____ |
| NOTE BOOK         | _____ |
| NO.               | _____ |