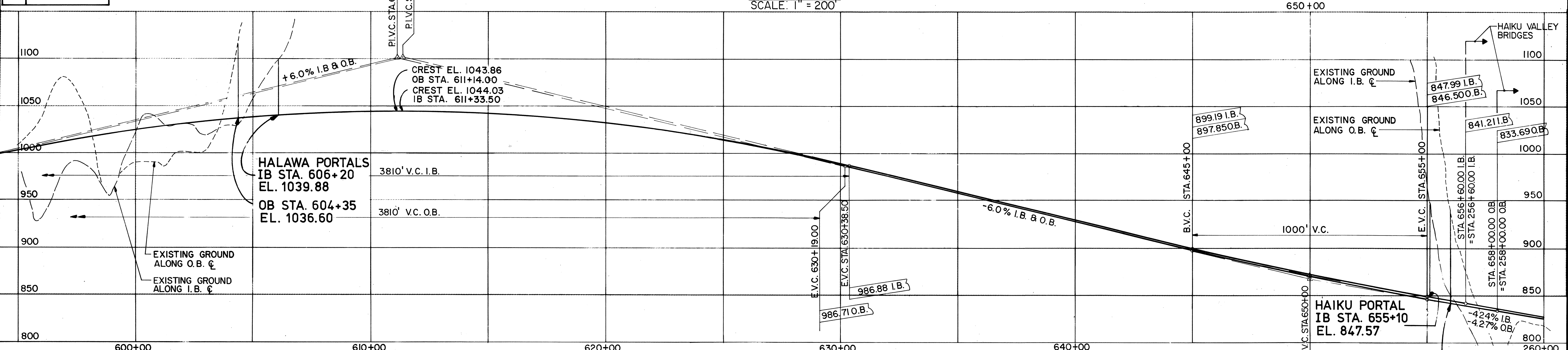
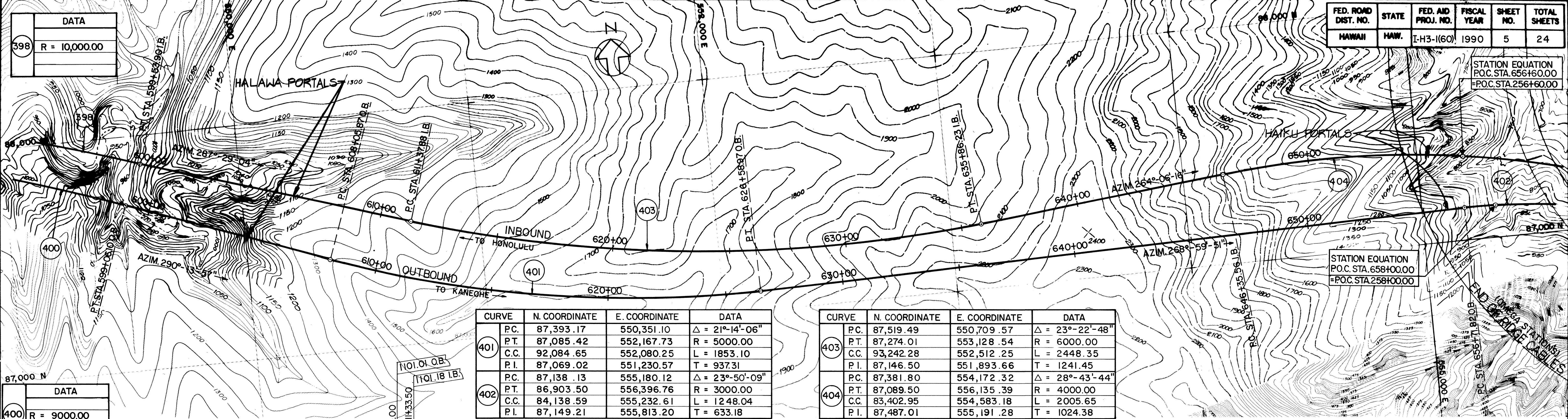


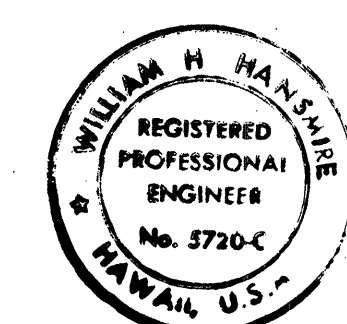
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | I-H3-1(60)         | 1990        | 5         | 24           |

STATION EQUATION  
P.O.C. STA. 656+60.00  
= P.O.C. STA. 256+60.00

STATION EQUATION  
P.O.C. STA. 658+00.00  
= P.O.C. STA. 258+00.00

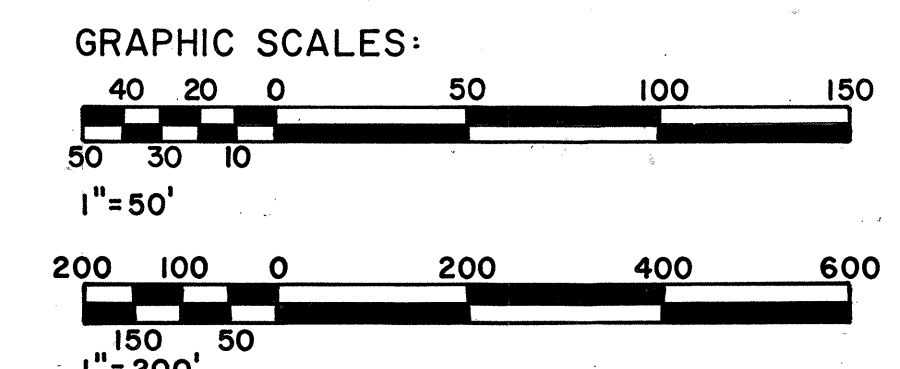


| SURVEY REFERENCE POINTS                                      | N. COORDINATE | E. COORDINATE |
|--------------------------------------------------------------|---------------|---------------|
| 'POLE' (2 1/4" PIPE IN CONCRETE W/STANDARD POLE TARGET)      | 86,127.540    | 549,325.934   |
| 'KOOLAU NORTH' (2 1/4" PIPE IN CONC. W/STANDARD POLE TARGET) | 88,652.741    | 553,645.208   |
| 'LOW' (STANDARD SURVEY DISK IN CONC.)                        | 85,808.179    | 555,123.534   |



THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION  
*William H. Haxel*

1. PORTAL LOCATION IS THE STARTING POINT OF TUNNEL AT TUNNEL/AIR DUCT TRANSITION BOUNDARY.
2. THIS PLAN IS FOR REFERENCE ONLY, NOT TO BE USED FOR CONSTRUCTION.



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**GENERAL PLAN & PROFILE**  
TRANS - KOOLAU TUNNELS

INTERSTATE ROUTE H-3  
F.A.I. PROJECT NO. I-H3-1(60)

SCALE: AS NOTED DATE: NOV 1989  
SHEET NO. 5 OF 24 SHEETS

DATE: 1/11/88  
DRAWN BY: CADD  
CHECKED BY: J. N. QUE  
DESIGNED BY: R. MATRISIAN  
NOTED BY: J. N. QUE