

# GENERAL NOTES

1. The Location of the existing utilities shown are approximate. The Contractor shall notify the utility companies 48 hours prior to starting excavation.
2. The Contractor shall have the option of providing either cast-in-place or pre-cast concrete box culvert.
3. All existing trees shall not be disturbed. Any shrubs, ground cover, guardrails, etc., that are removed shall be restored and maintained to the original condition satisfactory to the Engineer. Payment for this work shall be considered incidental to Structure Excavation.
4. Bench marks on Acacia Road are referred to City and County datum.

## CURVE DATA

$\Delta = 23^{\circ}04'02''$   
 $R = 350.00'$   
 $T = 71.42'$   
 $C = 139.96'$   
 $Lc = 140.91'$

TRUE NORTH  
 Scale: 1" = 40'

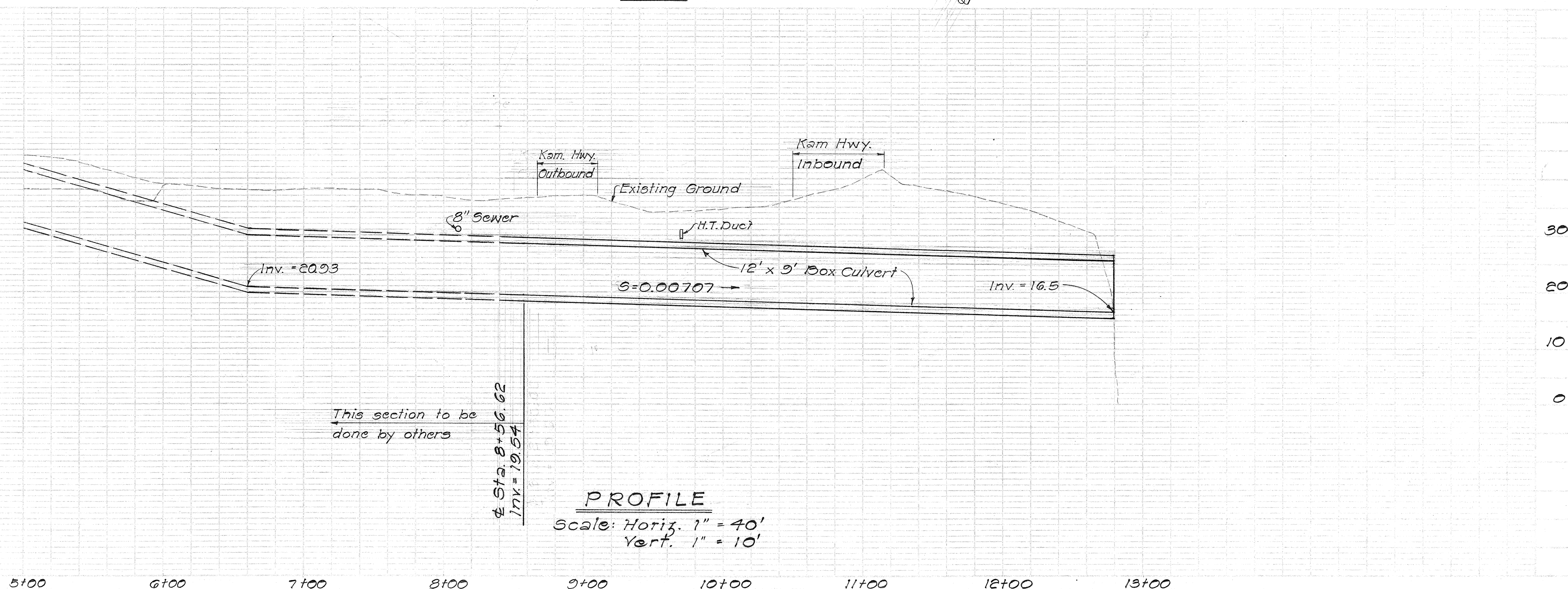
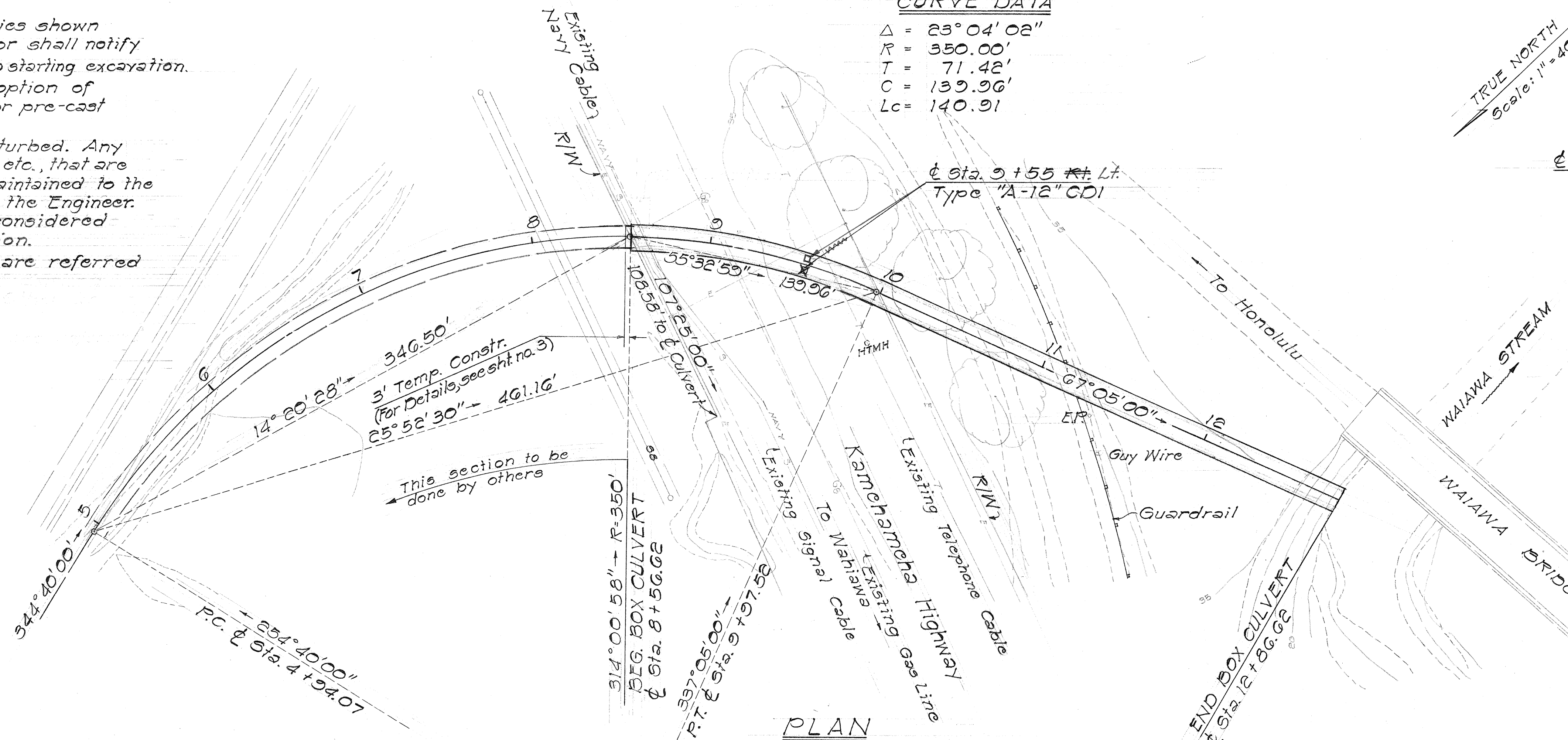
| ROAD DIST. NO. | STATE | PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|----------------|-------|-----------|-------------|-----------|--------------|
| HAWAII         | HAW.  | 99C-0172  | 1976        | 2         | 5            |

STA. 8+53.62 to STA. 12+86.62

Construct: 12'x9' Concrete Box Culvert and Type 'A-12' CDI

## ESTIMATED QUANTITIES

Structure Excavation = 5,020 c.y.  
 Class 'A' Concrete = 830 c.y.  
 Class 'C' Concrete = 6 c.y.  
 Reinforcing Steel = 19,600 lbs.  
 Type 'A-12' Steel Fr. & Gr. = 1 ca.  
 (Restoration of Pavement = (1,300 s.f.) shall be considered incidental to structure excavation.)



## PROFILE

Scale: Horiz. 1" = 40'  
 Vert. 1" = 10'