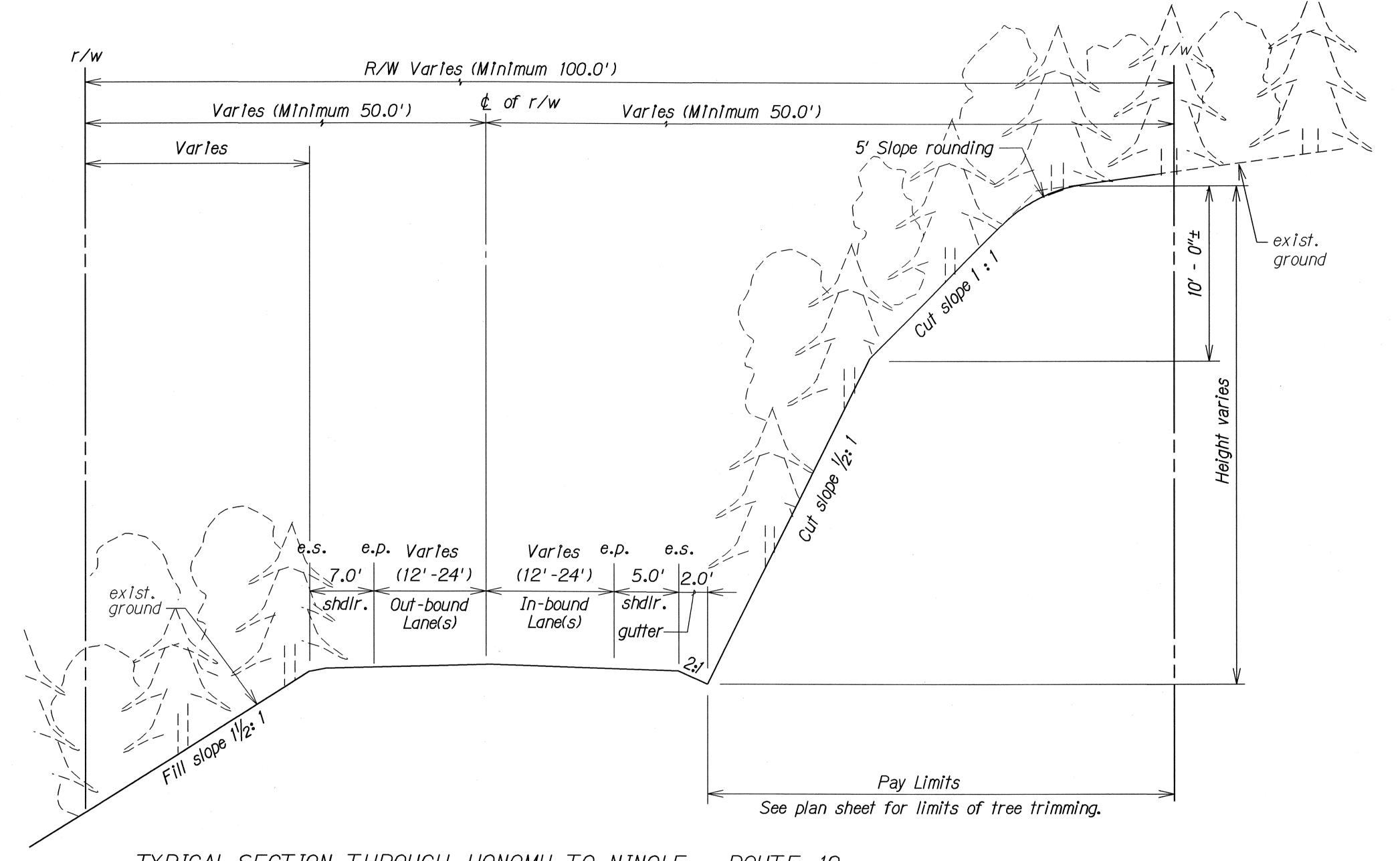## Notes For Work from Honomu to Ninole:

1. The work for this site consists of surveying tree trimming locations, trimming $ removal of trees, disposal of debris, herbicide treatment of remnant stumps, removing loose rocks and traffic control.

2. The Contractor shall be responsible for hiring a Licensed Surveyor to provide survey boundary markers. Markers along the outer limits shall be located at the begin and end of each site, and at all change of direction points, spaced approximately 50' apart. Inner limits, close to the highway, shall be marked only at the beginning and end of each tree trimming site. Survey boundary markers and survey work shall be considered incidental to trimming of trees and shrubs and no separate payment shall be provided.

3. Contractor shall be responsible for thoroughly familiarizing themselves with the site conditions prior to tendering a bid. Cut slopes may exceed typical $\frac{1}{2}$:1 ratio in some areas and cut banks reach heights exceeding 100'. Site access and staging areas are very limited.

4. Specific trees may be designated to be saved because of aesthetic or environmental reasons. These shall be designated in the field by the Engineer. The Contractor shall exercise due care to preserve these trees.

5. Contractor shall coordinate traffic control and warning sign placement with the Federal Aid project to prevent potential conflicts. Traffic Control is incidental to various contract items.

6. Contractor shall remove loose rocks as a result of tree trimming and removal operation. Loose rock removal is incidental to tree trimming and removal operation.

7. Contractor's attention is called to Specifications Section 11. Payment shall be made on a lump sum basis per site, for the Honomu to Ninole Area.

TYPICAL SECTION THROUGH HONOMU TO NINOLE - ROUTE 19

Not To Scale

Labels within figure:
r/w — R/W Varies (Minimum 100.0') — ℄ of r/w
Varies (Minimum 50.0') — Varies (Minimum 50.0')
Varies
5' Slope rounding
exist. ground
10' - 0"±
Height varies
Cut slope 1 : 1
Cut slope ½ : 1
e.s. — e.p. — Varies (12'-24') Out-bound Lane(s) — Varies (12'-24') In-bound Lane(s) — e.p. — e.s.
7.0' shdlr. — 5.0' shdlr. — 2.0' gutter
2:1
exist. ground
Fill slope 1½ : 1
Pay Limits
See plan sheet for limits of tree trimming.