GENERAL NOTES:

- 1. The scope of work for this project consists of excavation and embankment, roadway construction, bridge construction, drainage and grading; providing bridge rail upgrades; removing and installing guardrails; guardrail end treatments; providing highway lighting and traffic signals, and installing signs, pavement markings, and other incidentals.
- 2. At the end of each day's work, the Contractor shall remove all equipment and other obstruction to permit free and safe passage of public traffic.
- 3. The existence and location of underground utilities, manholes, monuments and structures as shown on the plans are from the latest available data but the accuracy is not guaranteed. The encountering of other obstacles during the course of work is possible.
- 4. The Contractor shall provide for access to and from all existing side streets at all times.
- 5. Existing fences and metal beam guardrails that are to be removed and are within the right-of-way shall become the property of the Contractor.
- 6. Existing concrete structures, such as manholes, culverts, channels, etc., which are designated to be removed or are in conflict with proposed construction shall be removed to a depth of not less than 3 feet below finish grade in roadway and not less than 1.5 feet below finish grade in other areas.
- 7. Existing pavement within 6 inches of the finish grade in areas to be grassed shall be removed. All other existing pavement which will not be overlayed with new A.C. pavement shall be rooted, plowed, pulverized, or scarified to a minimum depth of 6 inches.
- 8. Existing facilities and/or pavement to remain which has been damaged by the Contractor shall be restored to its original condition at the expense of the Contractor.
- 9. All regraded areas and all grassed areas damaged by construction activities shall be planted in accordance with Specifications Section 618 Grassed Surfaces. Contractor shall restore to its original condition at no cost to the State.
- 10. Sawcut pavement at limits of reconstruction before removal. Remove 1'-0" existing pavement prior to paving.
- 11. When excavating in close proximity to walls, fences, and other improvements, the Contractor shall protect, support, secure, and take all precautions to prevent damaging these facilities and improvements.
- 12. The Contractor shall verify the locations and elevations of all existing utility lines and notify respective owners before commencing any excavation work.
- 13. Steel plates for covering trenches shall have a skid resistant surface
- 14. Where necessary, existing A.C. pavement shall be cold-planed to 1-1/2 inches below finish grade to permit installation of A.C. overlay of not less than 1-1/2 inches thickness.

LEGEND:

__ __ __

Existing Proposed PCC Pavement 12½" PCC 6" UTPB 6" ASP AC Pavement as shown on plans

7½" ACB 12" ASB
AC Overlay

Remove exist. pavement

11/2" AC Mix IV

31/4" AC Mix IV

_____ Approximate Limit of Grading or Limit of Pavement Reconstruction

----- Right-of-Way

___ Guardrail, Type 3

☐ Grated Drop Inlet

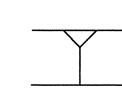
→ → → Underdrain (6" Perforated Underdrain, unless otherwise noted on Plan)

200 ---- — 200 — Conto

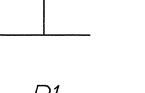
7

CRM Structure

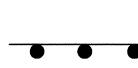
TTT CRM Headwall



Slope



Approximate Boring Location



Silt Fence or Sandbag



Direction of Runoff Flow

ABBREVIATIONS:

Baseline ASB Aggregate Subbase C.L. Chain Link Clr. Clear CMP Corrugated Metal Pipe (Exist.) Conc. Concrete CRM Cement Rubble Masonry CS Corrugated Steel CSP Corrugated Steel Pipe E E East ees Existing Edge of Shoulder eetw Existing Edge of Travelway EP New Edge of Pavement ES New Edge of Travel Way HDPE High Density Polyethylene Pipe L Length of Vertical Curve Lt. Left of B M.L. Matchline N North NB Northbound NTS Not to Scale o.c. On Center	PVC PVI PVRC R R/W Rt. SB S.E., s.e. SIP STA UTPB V.C. WWF	Point of Vertical Intersection Point of Vertical Tangency Point of Vertical Reverse Curve Radius Right-of-Way Right of B Southbound Super Elevation Slope Station along B Untreated Permeable Base Vertical Curve Welded Wire Fabric
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Point of Curvature

(for Alignment)

Point of Compound Curve

FED. ROAD

HAWAII

DIST. NO.

STATE

HAW.

FED. AID

PROJ. NO.

NH-0380(9)

FISCAL SHEET

NO.

YEAR

2000

LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Redlimles 9/14/0,

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

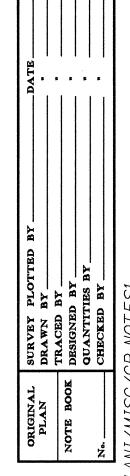
<u>GENERAL NOTES, LEGEND</u> <u>AND ABBREVIATIONS</u>

<u>KUIHELANI HIGHWAY WIDENING</u> <u>HONOAPIILANI HIGHWAY TO PUUNENE AVENUE</u> FEDERAL-AID PROJECT NO. NH-0380(9)

SHEET No. G1 OF 1 SHEETS

Scale: None

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Date: Sept. 14, 2001