FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-0380(9)	2000	3	380

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 1-½ inches below finish grade to permit installation of A.C. overlay of not less than 1-½ inches thickness.

LEGEND:

Existing	Proposed	
		PCC Pavement 12½" PCC 6" UTPB 6" ASP
		AC Pavement as shown on plans 3½" AC Mix IV 7½" ACB 12" ASB
		AC Overlay 1½" AC Mix IV
		Remove exist. pavement
		Guardrail, Type 3
		Approximate Limit of Grading or Limit of Pavement Reconstruction
		Right-of-Way
		Grated Drop Inlet
		Underdrain (6" Perforated Underdrain, unless otherwise noted on Plan)
		Underdrain Cleanout
200	200	Contour
		CRM Structure
		CRM Headwall
		Slope
	B1	Approximate Boring Location
		Silt Fence or Sandbag
		Direction of Runoff Flow

ABBREVIATIONS:

AC, ac	Asphalt Concrete
ACB	Asphalt Concrete Base
Alt.	Alternating
℄	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	East
ees	Existing Edge of Shoulder
eetw	Existing Edge of Travelway
EP	New Edge of Pavement
ES	New Edge of Shoulder
ETW	New Edge of Travel Way
HDPE	High Density Polyethylene Pipe
L	Length of Vertical Curve
Lt.	Left of ℄
M.L.	Matchline
N	North
NB	Northbound
NTS	Not to Scale
o.c.	On Center
PC	Point of Curvature
PCC	Point of Compound Curve (for Alignment)
PCC	Portland Cement Concrete
PI	Point on Intersection
POC	Point on Curvature
PT	Point of Tangency
PVC	Point of Vertical Curvature
PVI	Point of Vertical Intersection
PVT	Point of Vertical Tangency
PVRC	Point of Vertical Reverse Curve
R	Radius
R/W	Right-of-Way
Rt.	Right of ℄
SB	Southbound
S.E., s.e.	Super Elevation
Slp	Slope
STA	Station along ℄
UTPB	Untreated Permeable Base
V.C.	Vertical Curve
WWF	Welded Wire Fabric

ORIGINAL PLAN
SURVEY PLOTTED BY ____ DATE .....
DRAWN BY ____
TRACED BY ____
NOTE BOOK ____ DESIGNED BY ____
QUANTITIES BY ____
CHECKED BY ____
No. ____

J:/KUIHELANI/MISC/GP-NOTES1

RANDALL M. URASAKI LICENSED PROFESSIONAL ENGINEER No. 7269-C HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES, LEGEND AND ABBREVIATIONS

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

Scale: None Date: Sept. 14, 2001

SHEET No. G1 OF 1 SHEETS