## GENERAL NOTES

- The scope of work for this project consists of roadwidening, pavement striping, raised pavement markers, drainage improvements and all incidental improvements.
- The Contractor is reminded of the requirements of Subsection 108.01 - Subletting of Contract, which requires him to perform work amounting to not less than 50 percent of the total contract cost less deductible items. Non-compliance with this Subsection may be grounds for rejection of bid.
- The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 107.13 - Public Convenience and Safety; Subsection 107.21 - Contractor's Responsibility For Utility Property And Services; and Section 645 -Traffic Control.
- At the end of each day's work, the Contractor shall remove all equipment and other obstructions to permit free and safe passage of public traffic.
- 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. The Contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.
- The exact locations and limits or areas to be filled with leveling course, reconstructed and cold planed shall be determined in the field by the Engineer.
- The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
- The Contractor shall remove and dispose of all existing raised pavement markers prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.
- All holes, depressions and wheel ruts shall be filled and compacted with Asphalt Concrete Pavement, Mix No. IV prior to resurfacing. This work will be paid for under Asphalt Concrete Pavement, Mix No. IV.
- Smooth riding connections shall be constructed at all limits of resurfacing, including the beginning and end of project, connecting approaches, side streets and driveways as shown on the plans and/or as directed by the Engineer.
- Dressing of shoulder, sidewalk and bus turnout shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable material as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to the various contract items.
- Existing drainage system will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to various contract items.

- 13. Earth swale shall be graded to drain. This work shall be considered incidental to the various contract items.
- 14. The contractor shall provide for access to and from all existing side streets and driveways at all times.
- 15. All saw cutting work shall be considered incidental to Excavation for Reconstruction of Weakened Pavement Areas.
- 16. New concrete slab and relocation of bus shelter shall be considered incidental to various contract items.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	3400B-02-98	1999	3	<i>15</i>

## LEGEND

Leveling Areas		Made Continued and Continued a	And the second s	
	E  • if P  • pp • emth • EMH	Cold Planing Areas Resurfacing Limits Existing Electrical Line New Electrical Line Existing Joint Pole Existing Power Pole Existing Electric Manhole Adjusted Elec. MH Frame/Cover New Electric Manhole Existing Telephone Line New Telephone Line Existing Telephone Manhole Adjusted Tele. MH Frame/Cover New Telephone Manhole Existing Signal Corps Line Existing Signal Corps Line Existing TV Cable New TV Cable Existing 12" Water Line Existing Water Manhole Adjusted Water MH Frame/Cover New Water Manhole Existing Water Manhole Existing Water Manhole Existing Water Manhole Existing Water Manhole		New 12" Sewer Line Existing Sewer Manhole Adjusted Sewer MH Frame/Cover New Sewer Manhole Existing 6" Gas Line New 6" Gas Line Existing Gas Valve Box Adjusted Gas Valve Box New Gas Valve Box Existing Gas Manhole Adjusted Gas MH Frame/Cover New Gas Manhole Existing Monument Adjusted Monument New Monument Existing 24" Drain Line New 24" RCP Drain Line Existing Storm Drain Manhole Adjusted Storm Drain MH Frame/Cover New Storm Drain Manhole Existing Grated Drop Inlet Existing Catch Basin Existing Traffic Sign
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O Evicting Water Air Value				,
•WMH New Water Manhole				LAISINING THYNWAY LIGHTING STANDARD
• <sub>WMH</sub> Adjusted Water MH Frame/Cover • <sub>WMH</sub> New Water Manhole			ρ	· ·
°wmh Existing Water Manhole				
—W—12— New 12" Water Line  ownth Existing Water Manhole  ownth Adjusted Water MH Frame/Cover  ownth New Water Manhole  p Existing Traffic Sign  Existing Highway Lighting Standard	w12	Existing 12" Water Line	Cl LoL	Existing Catch Rasin
—W—12— New 12" Water Line  ownth Existing Water Manhole  ownth Adjusted Water MH Frame/Cover  ownth New Water Manhole  p Existing Traffic Sign  Existing Highway Lighting Standard	TV	New TV Cable	· ·	Existing Grated Drop Inlet
-w-12— Existing 12" Water Line -w-12— New 12" Water Line  ownth Existing Water Manhole  ownth Adjusted Water MH Frame/Cover  ownth New Water Manhole  www Water Manhole  Existing Catch Basin  Existing Traffic Sign  Existing Highway Lighting Standard	tv	Existing TV Cable		
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SC New Signal Corps Linetv Existing TV Cabletv New TV Cablew12 Existing 12" Water Linewmt Existing Water Manhole wmt Existing Water Manhole wmt Adjusted Storm Drain MH Frame/Coversc New Storm Drain MH Frame/Coversc New Storm Drain MH Frame/Cover			°sdmh	Existing Storm Drain Manhole
			<u>24" RCP</u>	New 24 " RCP Drain Line
**TMH New Telephone Manhole			d24	Existing 24" Drain Line
•TMH Adjusted Tele. MH Frame/Cover •TMH New Telephone Manhole  — △C	V	Existing Telephone Manhole		
**TMH Adjusted Tele. MH Frame/Cover*  **TMH Adjusted Tele. MH Frame/Cover*  **TMH New Telephone Manhole**  **SC Existing Signal Corps Line**  **SC New Signal Corps Line**  **TV Existing TV Cable**  **TV New TV Cable**  **WMH Existing 12" Water Line**  **WMH Adjusted Water MH Frame/Cover*  **WMH New Water Manhole**  **MON. New Monument**  **Adjusted 24" RCP Drain Line*  **SDMH Adjusted Storm Drain Manhole*  **SDMH New Storm Drain Manh	$^{\circ}tp$	Existing Telephone Pole	_	-
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**EMH** Adjusted Elec. MH Frame/Cover  **EMH** New Electric Manhole  **I** Existing Telephone Line  **I** To New Telephone Line  **I** **I** tring Telephone Line  **I** tring Telephone Dele  **I** tring Telephone Manhole  **I** tring Telephone Dele  **I** tring Telephone Dele  **I** tring Telephone Line  **I** tring Manhole  **I** tring Manhole  **I** tring Manhole  **I** tring Gas Manhole  **I** Adjusted Gas MH Frame/Cover  **I** Monument  **I** tring Monument  **I** tring Manument  **I** tring Manhole  **I** tring Manh	PP	•	● <sub>GV</sub>	New Gas Valve Box
**EMH** Adjusted Elec. MH Frame/Cover  **EMH** New Electric Manhole  **EMH** New Electric Manhole  **I Existing Telephone Line  **I Existing Telephone Line  **I Existing Telephone Line  **I Existing Telephone Pole  **I Existing Telephone Manhole  **I Existing Telephone Manhole  **I MH** Adjusted Tele. MH Frame/Cover  **I Mew Telephone Manhole  **I Mew Monument  **Mon.** Adjusted Monument  **Mon.** New Monument  **Mon.** Adjusted Monument  **Mon.** New Monument  **Mon.** Adjusted Monument  **Mon.** Adjusted Monument  **Mon.** New Monument  **Mon.** Adjusted Storm Drain Line  **SDMH** Existing Storm Drain Manhole  **SDMH** New Storm Drain Manhole  **SDMH** Existing Grated Drop Inlet  **C Existing Catch Basin  **D Existing Traffic Sign  **Existing Highway Lighting Standard  **D Existing Highway Lighting Standard	PP On p	_	U	Adjusted Gas Valve Box
**GV** Adjusted Gas Valve Box**  **EMH** Existing Electric Manhole**  **EMH** Adjusted Elec. MH Frame/Cover*  **EMH** New Electric Manhole**  **EMH** New Electric Manhole**  **EMH** New Telephone Line**  **Indicate Existing Telephone Pole**  **Indicate Existing Telephone Manhole**  **Indicate Monument**  **Indicate Monument**  **New Telephone Manhole**  **Indicate Mit Frame/Cover**  **Indicate Monument**  **New 41 " RCP Drain Line**  **SDMH** Adjusted Storm Drain Manhole**  **SDMH** Adjusted Storm Drain Manhole**  **SDMH** New Storm Drain Manhole**  **SDMH** Existing Grated Drop Inlet**  **SDMH** Existing Grated Drop Inlet**  **SDMH** Existing Grated Drop Inlet**  **SDMH** Existing Catch Basin*  **DEXISTENCE** New 24 " RCP Drain Line**  **SDMH** Adjusted Storm Drain Manhole**  **SDMH** Existing Grated Drop Inlet**  **SDMH** Existing Grated Drop Inlet**  **SDMH** Existing Catch Basin*  **DEXISTENCE** New 24 " RCP Drain Line**  **SDMH** Adjusted Storm Drain Manhole**  **SDMH** Adjusted Storm Drain Manhole**  **SDMH** Existing Catch Basin*  **DEXISTENCE** New 24 " RCP Drain Line**  **SDMH** Adjusted Storm Drain Manhole**  **SDMH** Existing Catch Basin*  **DEXISTENCE** New 24 " RCP Drain Line**  **SDMH** Existing	o in	Existina Joint Pole	°gv	Existing Gas Valve Box
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E New Electrical Line  Proposition Pole  Proposi		Resurfacing Limits		
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Resurfacing Limits  Existing Electrical Line  E New Electrical Line  E E New Electrical Line  E E Existing Joint Pole  Existing Power Pole  Existing Electric Manhole  EMH Adjusted Elec. MH Frame/Cover  EMH New Electric Manhole  E Existing Telephone Line  T New Telephone Line  T Existing Telephone Manhole  TMH Adjusted Tele. MH Frame/Cover  TMH New Telephone Manhole  TMH New Telephone Manhole  Existing Telephone Manhole  TMH New Telephone Manhole  Existing To Corps Line  SC New Signal Corps Line  SC New Signal Corps Line  TV New TV Cable  TV New TV Cable  WMH Adjusted Water Manhole  WMM Adjusted Water Manhole  WMM Adjusted Water Manhole  Existing Traffic Sign  Existing Highway Lighting Standard			osmh	Existing Sewer Manhole
Cold Planing Areas  Resurfacing Limits  E				•
Leveling Areas  Cold Planing Areas  Resurfacing Limits  E Kisting Electrical Line  F E Kisting Joint Pole  F Existing Power Pole  F Existing Flectric Manhole  Adjusted Elec. MH Frame/Cover  F EMH  New Electric Manhole  E Kisting Telephone Line  T New Telephone Line  T Kisting Telephone Manhole  T HA Adjusted Tele. MH Frame/Cover  T MH New Telephone Manhole  T T New Telephone Manhole  T HA Adjusted Tele. MH Frame/Cover  T MH  E Kisting Telephone Manhole  T HA Adjusted Tele. MH Frame/Cover  T MH  New Telephone Manhole  T New Telephone Manhole		Reconstruction Areas	— <b>A</b> —12—	Existina Sewer Line
Leveling Areas  Cold Planing Areas  Resurfacing Limits  E New Electrical Line  E Existing Joint Pole  Existing Flectric Manhole  Emh Existing Flectric Manhole  Emh New Electric Manhole  Emh New Telephone Line  T New Telephone Line  T New Telephone Manhole  Imh Existing Telephone Manhole  The Existing Telephone Manhole  Existing Telephone Manhole  The Existing Telephone Manhole  Existing Telephone Manhole  The Existing Telephone Manhole  The Existing Telephone Manhole  The Existing Telephone Manhole  Existing Telephone Manhole  Mon. Adjusted Monument  Mon. New Monument  Mon. New Monument  Mon. New Monument  Mon. New Monument  Existing Storm Drain Line  24" RCP Drain Line  24" RCP Drain Line  SDMH Adjusted Storm Drain Manhole  SDMH Adjusted Storm Drain Manhole  SDMH Adjusted Storm Drain Manhole  SDMH New Storm Drain Manhole  Existing Grated Drop Inlet  Existing Grated Drop Inlet  Existing Traffic Sign  Existing Highway Lighting Standard			4.0	

Existing Water Valve Box

Adjusted Water Valve Box

New Water Valve Box

Existing Water Meter

Adjusted Water Meter

Existing Fire Hydrant

New Water Meter

New Fire Hydrant

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

## GENERAL NOTES AND LEGEND

WAIEHU BEACH ROAD TWO-WAY LEFT TURN LANE

Makaala Drive to Iao Stream Bridge Project No. 3400B-02-98

SURVEY PLOTTED DRAWN BY AG TRACED BY PC OUANTITIES BY CHECKED BY

Date: February, 1998 SHEET No. 1 OF 1 SHEETS