

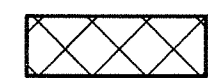
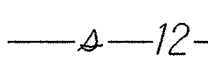
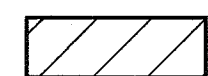
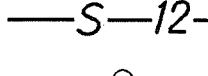

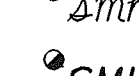
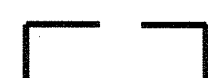

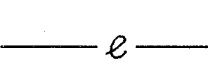
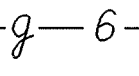
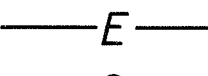
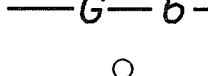
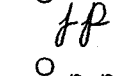

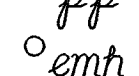


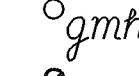


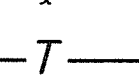

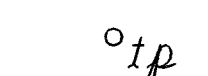

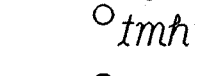


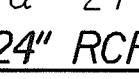
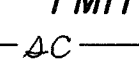
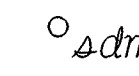
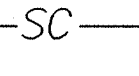

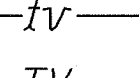

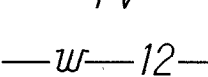

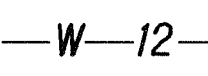

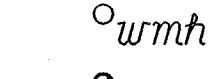
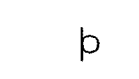


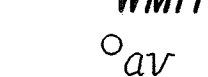

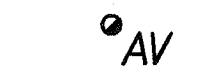



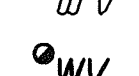


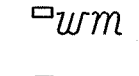

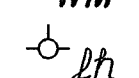








GENERAL NOTES

1. The project includes lining the invert of a 126" structural steel plate culvert with concrete and installation of a storm drain manhole concrete transition.
2. 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.
3. 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 storage and/or staging of equipment and materials within the project limits and State Right-Of-Way is prohibited unless a written permit is applied for and granted from the State Department of Transportation Oahu District Office. The storage and/or staging of equipment within the State Right-Of-Way but outside the project limits is prohibited unless a written permit is applied for and granted from the State Department of Transportation's Right-Of-Way Branch.
4. 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.
5. Dressing of shoulder 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.
6. The Contractor shall provide for access to and from all existing side streets and driveways at all times.
7. All saw cutting work, including the cleaning and removal of generated slurry, shall be considered incidental to the various contract items.
8. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting construction operations.
9. Any pavement striping/markings damaged by the Contractor as a result of his operations shall be replaced by the Contractor at no cost to the State.
10. 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 30 percent of the total contract cost less deductible items.
11. Contractor shall dispose or deliver any removed material at no cost to the State.
12. The Contractor shall be held liable for any damages incurred to the existing utilities as a result of his operations. All damaged portions shall be replaced in accordance with the Standards and Specifications of the affected utility company at the Contractor's expense.
13. The Contractor's personnel may access the 126" culvert from the existing ladder and concrete channel located in TMKs 9:9:038:034, 9:9:038:071, and 9:9:038:061. Personnel may carry small tools, but heavy machinery or large equipment shall not be allowed. The Contractor may bring equipment through TMK 9:9:038:000.

DRAINAGE NOTES

1. Existing drainage systems will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to accomplish maintenance of flow. The cost shall be incidental to the various contract items.
2. The Contractor shall verify the locations of all existing culverts and utilities in the field. Any existing culverts and utilities damaged during construction shall be repaired or replaced by the Contractor at his own expense.
3. Concrete shall be Class A unless otherwise noted.
4. Chamfer all exposed concrete edges 3/4".

LEGEND

	Reconstruction Areas		Existing Sewer Line
	Leveling Areas		New 12" Sewer Line
	Cold Planing Areas		Existing Sewer Manhole
	Resurfacing Limits		Adjusted Sewer MH Frame/Cover
	Existing Electrical Line		New Sewer Manhole
	New Electrical Line		Existing 6" Gas Line
	Existing Joint Pole		New 6" Gas Line
	Existing Power Pole		Existing Gas Valve Box
	Existing Electric Manhole		Adjusted Gas Valve Box
	Adjusted Elec. MH Frame/Cover		New Gas Valve Box
	New Electric Manhole		Existing Gas Manhole
	Existing Telephone Line		Adjusted Gas MH Frame/Cover
	New Telephone Line		New Gas Manhole
	Existing Telephone Pole		Existing Monument
	Existing Telephone Manhole		Adjusted Monument
	Adjusted Tele. MH Frame/Cover		New Monument
	New Telephone Manhole		Existing 24" Drain Line
	Existing Signal Corps Line		New 24 " RCP Drain Line
	New Signal Corps Line		Existing Storm Drain Manhole
	Existing TV Cable		Adjusted Storm Drain MH Frame/Cover
	New TV Cable		New Storm Drain Manhole
	Existing 12" Water Line		Existing Grated Drop Inlet
	New 12" Water Line		Existing Catch Basin
	Existing Water Manhole		Existing Traffic Sign
	Adjusted Water MH Frame/Cover		Existing Highway Lighting Standard
	New Water Manhole		
	Existing Water Air Valve		
	Adjusted Water Air Valve		
	New Water Air Valve		
	Existing Water Valve Box		
	Adjusted Water Valve Box		
	New Water Valve Box		
	Existing Water Meter		
	Adjusted Water Meter		
	New Water Meter		
	Existing Fire Hydrant		
	New Fire Hydrant		

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

GENERAL NOTES

INTERSTATE ROUTE H-1, DRAINAGE IMPROVEMENTS

Repair of 126" Culvert Vicinity of Olopana St.

Project No. H1E-02-06

Date: May, 2005

SHEET No. 1 OF 1 SHEETS