STANDARD PLANS SUMMARY

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-099-1(20)	1999	2	44

STANDARD PLAN NO.	TITLE	DATE
B-01	Notes and Miscellaneous Details	07/01/86
B-02		
B-03	Typical Structure Excavation and Backfill Pay Limits	07/01/86
B-04		
B-05		
B-06	Concrete Box Girder	07/01/86
B-07	Concrete Box Girder	07/01/86
B-08	Concrete Box Girder	07/01/86
B-09		,
B-10		
B-11		
B-12	Prestressed Concrete Piles	r07/16/90
B-13	Prestressed Concrete Piles	r07/16/90

D-03 W D-04 ● T	hain Link Fence Without Toprail lire Fence With Metal Posts ypical Details of Curbs and/or Gutters	r07/26/90 07/01/86
D-04 • T		
	ypical Details of Curbs and/or Gutters	
D-05 T		07/01/86
	ypical Details of Reinforced Concrete Drop Driveway	07/01/86
D-06 C	enterline and Reference Survey Monument	07/01/86
D-07 S	treet Survey Monument	07/01/86
D-08 L	andscaping Shrub and Tree Planting	07/01/86
D-09 F	ield Office	07/01/86
D-10 F	ield Office	07/01/86
D-11 P	roject Site Laboratory	07/01/86
D-12 P	roject Site Laboratory	07/01/86
D-13 F	ield Office & Project Site Laboratory	07/01/86

07/01/86

Type A. B. C and D Catch Basin

H-02	Type A1, B1, C1 and D1 Catch Basin	07/01/86
H-03	Type A2, B2, C2 and D2 Catch Basin	07/01/86
H-04	Typical Reinforcing Details for Catch Basins	07/01/86
H-05	Type A. B and C Storm Drain Manhole	07/01/86
H-06	Type D and E Storm Drain Manhole	07/01/86
H-07	Type F Storm Drain Manhole	07/01/86
H-08	Catch Basin and Manhole Casting	07/01/86
H-09	Type A-9 and A-9P Frames and Grates	07/01/86
H-10	Type A-9B Frames and Grates	07/01/86
H-11	Type 61614 and 61214 Grated Drop Inlet	07/01/86
H-12	Type 61616 Grated Drop Inlet	07/01/86
H-13	61214, 61614 & 61616 Steel Frames and Grates	07/01/86
H-14	61214B Steel Frame and Grates	07/01/86
H-15	61614B Steel Frame and Grates	07/01/86
H-16	Concrete and Cement Rubble Masonry Structures	r10/16/90
H-17	Inlet Structures	r10/16/90
H-18	Flared End Section for Culverts	07/01/86
H-19	Outlet Structures	r02/15/91
H-20	Concrete Spillway Inlet	07/01/86
H-21	18" Slotted C.M.P. Drain	07/01/86
H-22	C.M.P. Coupling Details Standard Joint	r10/16/90
H-23	Hat Shaped Coupling Band	r10/16/90

STANDARD PLAN NO.	I	DATE
TE-01 •	Miscellaneous Sign Details	07/01/86
TE-02 ●	Galvanized Flanged Channel Sign Post Mounting	07/01/86
TE-03 ●	Galvanized Square Tube Sign Post Mounting	07/01/86
TE-04 •	Regulatory Signs	r09/01/87
TE-05	Warning Signs	07/01/86
TE-06	Miscellaneous Signs	r11/03/89
TE-07	Reserved	07/01/86
TE-08	Construction Signs	r09/01/87
TE-09	Miscellaneous Intersection Signs	r03/06/87
TE-10	Reserved	07/01/86
TE-11	Bike Route Sign and Supplementary Plates	07/01/86
TE-12	State Route Marker and Auxiliary Markers	07/01/86
TE-13	Interstate Route Marker	07/01/86
TE-14	State Route Marker and Border Detail for Guide Signs	07/01/86
TE-15	Route Marker Assemblies	07/01/86
TE-16	Miscellaneous Reflector Markers	07/01/86
TE-17	Type II Object Markers	07/01/86
TE-18	Mileposts	07/01/86
TE-19	Reserved	07/01/86
TE-20	Overhead Sign Supports	07/01/86
TE-21	Overhead Sign Support, Box Truss Type, Aluminum	07/01/86
TE-22	Foundation Details and Schedules	07/01/86
TE-23	Supports for Ground Mounted Guide Sign	r11/03/89
TE-24	Breakaway Sign Supports for Ground Mounted Guide Signs	07/01/86
TE-25	Laminated Aluminum Sign Panels (Overhead)	07/01/86
TE-26	Laminated Aluminum Sign Panels (Ground Mounted)	07/01/86
TE-27	Solid Aluminum Extruded Sign Panel and Accessory Details	07/01/86
TE-28	Guide Signs Luminaire Mountings	07/01/86
TE-29	Reserved	07/01/86
TE-30	Raised Pavement Markers and Striping	r05/09/90
TE-31	Miscellaneous Pavement Markings	r05/09/90
TE-32	Miscellaneous Pavement Markings	r05/09/90
TE-33	Miscellaneous Pavement Markings	r11/03/89
TE-34	Reserved	07/01/86
TE-35	Pavement Alphabets, Numbers & Symbols	07/01/86
TE-36	Pavement Alphabets, Numbers & Symbols	07/01/86
TE-37	Reserved	07/01/86
TE-38	Traffic Signal System, Miscellaneous Details	r11/03/89
TE-39	Traffic Signal System, Miscellaneous Details	07/01/86
TE-40	Loop Detectors	r11/03/89
TE-41	Pullboxes	07/01/86
TE-42	Type III Traffic Signal Standard	07/01/86
TE-43	Concrete Pullbox (2' x 3')	07/01/86
TE-44	Reserved	07/01/8

STANDARD PLAN NO.		DATE
TE-45	Reserved	07/01/86
TE-46	Reserved	07/01/86
TE-47	Reserved	07/01/86
TE-48	Reserved	07/01/86
TE-49	Reserved	07/01/86
TE-50	Metal Guardrail	r03/06/87
TE-51	Metal Guardrail	r09/01/87
TE-52	Metal Guardrail with Rubrail	r11/03/89
TE-53	Metal Guardrail with Rubrail at Obstruction	r09/01/87
TE-54	Beam Type Guardrail with Rubrail at Obstruction (Shoulder Installation)	r11/03/89
TE-55	Metal Guardrail Connection to Concrete Barrier	r11/03/89
TE-56	Concrete Barrier Transition	07/01/86
TE-57	Guardrail Type 3, Thrie Beam	r11/03/89
TE-57A	Guardrail Type 3, Modified Thrie Beam	11/03/89
TE-58	Approach End Flare, One & Two Way Roadway	07/01/86
TE-59	Trailing End Flare, One & Two Way Roadway	r11/03/89
TE-60	Anchor Block Details	07/01/86
TE-61	Breakaway Cable Terminal (BCT)	r11/03/89
TE-62	Breakaway Cable Terminal (BCT)	r09/01/87
TE-63	Guardrail Type 4 (Rigid Barrier)	r09/01/87
TE-64	Portable Concrete Barrier	r11/03/89
TE-65	Guardrail Type 4, Miscellaneous	r09/01/87
TE-66	Barricades	07/01/86
TE-67	Delineation & Pavement Markings at Bridges	07/01/86

NOTE:

STANDARD PLANS APPLICABLE TO THIS PROJECT ARE INDICATED BY A " • "
NEXT TO THE STANDARD PLAN NO.
(FOR EXAMPLE: D-07 •)

07/26/90 07/16/90 05/09/90 11/03/89 09/01/87	REVISED D-02 REVISED B-12,B-13 REVISED TE-30,TE-31 & TE-32 REVISED TE-06,TE-23, TE-30, TE-31, TE-32, TE-33, TE-38, TE-40, TE-52, TE-54, TE-55, TE-57, TE-59, TE-61, TE-64, TE-68 & TE-69, ADDED TE-57A REVISED TE-04,TE-06, TE-08, TE-32, TE-51, TE-53, TE-54, TE-55, TE-57, TE-59, TE-62, TE-63, TE-65 & TE-69 REVISED D-01, TE-09, TE-40, TE-50, TE-51, TE-57, TE-59, TE-61, TE-63 & TE-64
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD PLANS SUMMARY

KAMEHAMEHA HIGHWAY PEDESTRIAN

ACCESSIBLE ROUTE IMPROVEMENTS

Acacia Road to Honomanu Street

Fed. Aid Project No. STP-099-1(20)

Date: March 1999
SHEET No. 1 OF 1 SHEETS

FED. ROAD STATE		FED. AID	FISCAL	SHEET	TOTAL
		PROJ. NO.	YEAR	NO.	SHEETS
HAWAII	HAW.	STP-099-1(20)	1999	3	44

GENERAL NOTES

- The scope of work for this project consists of constructing and reconstructing curb ramps, sidewalks and medians; adjusting utility manholes and pull boxes; installing new traffic signal pull boxes, conduits and pedestrian push buttons; relocating signs and pavement markings; upgrading bridge railings; installing guardrails and bicycle railing; and trimming and removing trees.
- 2. 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 or termination of contract.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. The exact locations and limits or areas of curb ramp and sidewalk installation or reconstruction, utility adjustments and traffic signal facility relocation or installation shall be determined in the field by the Engineer.
- 7. The Contractor shall notify in writing, the Oahu Transit Services, Inc. Roads Supervision Office, 811 Middle St., Hon., HI 96819 (ph. #848-4571) seven (7) days prior to any paving operations.
- 8. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting construction operations.
- 9. Smooth riding connections shall be constructed at all limits of new sidewalk construction 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.
- 11. 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.
- Earth swale shall be graded to drain. This work shall be considered incidental to the various contract items.
- 13. The Contractor shall provide for safe access to and from all existing side streets at all times.
- 14. All saw cutting work shall be considered incidental to various contract items.

- 15. Joint poles on the south side of the highway will be removed by HECO. Undergrounding of utilities, joint pole removal and installation of new highway lighting poles (by HECO) may be occurring concurrently with this project. The Contractor should coordinate work with HECO and its Contractor.
- The Contractor shall insure a 34" minimum clear width, excluding curb, at a point obstacle (not exceeding 24"), at existing sidewalk areas. The Contractor shall insure a minimum clear width of 36", at a point obstacle, at new sidewalk areas.
- 17. The Contractor shall exercise extreme caution when installing fence and guardrail posts in close proximity to existing underground utilities.

— 4—12— Existing Sewer Line

○ Amh Existing Sewer Manhole

• SMH Existing Sewer Manhole to be Adjusted

18. A 60" by 60" or larger passing space shall be located at reasonable intervals, not to exceed 200 feet, as shown on the plans. A T-intersection of two walks, is an acceptable passing space.

- 19. The plans depict existing conditions at the time of design. Other construction in the area may have altered the existing conditions and may require adjustments to the plans, as well as necessitate additional construction/reconstruction of sidewalks and curb ramps. The aforementioned increase in work shall be considered incidental to the various contract items.
- 20. The Contractor shall have existing utility lines toned prior to installing guardrails in the vicinity of the utility lines. If the proposed guardrail posts are within 3 feet of the utility lines, the Contractor shall excavate and expose the utility line to determine alignment and depth. The Contractor shall install guardrails in these areas by acceptable methods other than driving, such as hand digging to prevent damages to the existing utility lines.
- 21. The cable television, electric and telephone handholes called out on Plan Sheet No. 18 are to be adjusted and paid for by Hawaiian Electric Company.

LEGEND

	Reconstruction Areas			Existing 10" Oil Line
	Leveling Areas		U	Existing 6" Gas Line
	Cold Planing Areas		· ·	Existing Gas Valve Box Existing Gas Manhole
	Resurfacing Limits		v	Existing 24" Drain Line
oemh □ehh □ehh ■EHHat&t oattmht otp otmh	Existing Electrical Line Existing Joint Pole Existing Power Pole Existing Electric Manhole Existing Electric Handhole Existing Electric Handhole to be Adjusted Existing AT&T Line Existing AT&T Manhole Existing Telephone Line Existing Telephone Pole Existing Telephone Manhole Existing Telephone Manhole		—fm—6—	Existing 6" Force Main Line Existing Storm Drain Manhole Existing Grated Drop Inlet Existing Catch Basin Existing Monument Existing Traffic Sign Wtih 1 Post Existing Traffic Sign Wtih 2 Posts Existing Single Metal Guardrail New Single Metal Guardrail New 4' Chain Link Fence Existing Traffic Signal Pull Box Existing Traffic Signal Pull Box
□THH	to be Adjusted Existing Telephone Pull Box Existing Telephone Handhole to be Adjusted Existing 12" Water Line		$\circ t s p$	New Traffic Signal Pull Box to be Installed by Others Existing Traffic Signal Pole Existing Highway Lighting Standard
	Existing Water Manhole Existing Water Valve Box Existing Water Meter Existing Water Meter to be Adjusted Existing Water Air Valve Existing Fire Hydrant	ed	□ catvpb	New Highway Lighting Standard to be Installed by Others New Highway Lighting Standard Pull Boto be Installed by Others Existing Cable Television Handhole Existing Cable Television Handhole to be Adjusted

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

<u>GENERAL NOTES AND LEGEND</u>

KAMEHAMEHA HIGHWAY PEDESTRIAN ACCESSIBLE ROUTE IMPROVEMENTS Acacia Road to Honomanu Street Fed. Aid Project No. STP-099-1(20)

Date: March 1999

SHEET No. 1 OF 1 SHEETS

WATER NOTES

- 1. Unless otherwise specified, all materials and construction of water system facilities and appurtenances shall be in accordance with the STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, dated 1994, as amended, of the Hawaii Highways Division, Department of Transportation, and the City and County of Honolulu Board of Water Supply's "WATER SYSTEM STANDARDS "VOLUME 1, DATED 1985, THE "APPROVED MATERIAL LIST AND STANDARD DETAILS FOR WATER SYSTEM CONSTRUCTION", VOLUME 2, DATED 1985, AND THE "WATER SYSTEM EXTERNAL CORROSION CONTROL STANDARDS", VOLUME 3, DATED 1991, and all subsequent amendments and additions.
- 2. All plans approved by the Board of Water Supply are based solely on the adequacy of the water supply. All other features of the water system, such as lines, grades, fittings, drainage, etc., and other features of improvements shall not be the responsibility of the Board of Water Supply.
- 3. The Contractor shall notify BWS Planning and Engineering Division, Construction Section, one week prior to commencing work on the water system.
- 4. The existence and location of underground utilities and structures as shown on the plans are from the latest available data but is not guaranteed as to the accuracy of encountering of other obstacles during the course of the work. The Contractor shall be responsible and pay for all damages to existing utilities. The Contractor shall not assume that where no utilities are shown, that none exist.
- 5. Re-approval shall be required if this project is not under construction within a period of two years.
- 6. The Contractor shall be responsible for the protection of all water lines during construction. The Contractor shall be especially careful when excavating behind water lines, tees, and bends wherever there is a possibility of water line movement due to the removal of the supporting earth beyond the existing reaction blocks. The Contractor shall take whatever measures necessary to protect the water lines, such as contructing special reaction blocks (with BWS approval) and/or modifying his construction method at no cost to the State.
- 7. Prior to any excavating, the Contractor shall verify in the field the location of existing water mains and appurtenances.
- 8. The Contractor shall adjust all manhole frames/valve boxes within the resurfaced area. Prior to resurfacing, BWS will initially locate all water manholes/valve boxes that will require adjustments. The Contractor shall then be responsible for "referencing" these manholes/valve boxes to facilitate the adjustments. The cost for adjustments shall be made at their respective unit prices in the Bid based on the actual number adjusted. Cost for referencing shall be incidental and shall not be paid directly. Any additional request to BWS to again locate the manholes/valve boxes shall be done at the expense of the Contractor. (BWS will charge and bill the Contractor for all cost of said additional work.)
- 9. Maintain 3'-0" minimum cover for all existing waterlines (18" minimum for service laterals) from new finish grade. The Contractor shall probe the waterline and service laterals (at no cost to the State) and submit the probing data to BWS Construction Section via the State. Any adjustments to the existing water system to meet the minimum cover and the requirements of the BWS standards, whether shown on plans or not, shall be done by the Contractor at no cost to BWS and the State.

HECO NOTES

- 1. The location of HECO's overhead and underground facilities shown on the plans are from existing records with varying degrees of accuracy and are not guaranteed as shown. The Contractor shall exercise extreme caution whenever construction crosses or is in close proximity of underground lines and shall maintain adequate clearance when operating equipment within or under any overhead lines.
- 2. The Contractor shall comply with the State of Hawaii's Occupational Safety and Health Law (DOSH).
- 3. The Contractor shall obtain an excavation permit from HECO's Mapping and Records Division located at 820 Ward Avenue, 4th floor, two weeks prior to starting construction. Please refer to HECO's request number at that time.
- 4. For verification of underground lines or for assistance in supporting and protecting these lines, The Contractor shall call HECO's Underground Division at 543-7345 a minimum of 72 hours in advance.
- 5. When trench excavation is adjacent to or beneath HECO's existing structures or facilities, the Contractor is responsible for:
 - a) Sheeting and bracing the excavation to prevent slides, cave-ins, and settlements.
 - b) Protecting existing structures or facilities with beams, struts, or under-pinnings.
- 6. For pole bracing instructions, the Contractor shall call the HECO District Superintendent at (Koolau 261-6084, Waiau 543-4223, Ward 543-7745) a minimum of 72 hours in advance.
- 7. Any work required to relocate HECO facilities shall be done by HECO and the Contractor shall be responsible for all coordination, and for possible costs if applicable.
- 8. Should it become necessary to temporarily relocate any of HECO facilities to enable the Contractor to perform his work in a safe and expeditious manner in fulfilling his contract obligations, these temporary relocations will be done by HECO, or by the Contractor under HECO's supervision, with all costs borne by the Contractor.
- 9. Any unforeseen conflict that would result in the redesign or relocation (either temporary or permanent) of HECO's electrical facilities may be cause for lengthy delays. To avoid such delays, the Contractor must notify HECO of the conflict a minimum of 30 days prior to the start of construction.
- 10. Any damage to HECO's facilities will be reported immediately to HECO's Trouble Dispatcher at 543-7874.
- 11. All HECO overhead and underground facilities shall be protected at all times by the Contractor during construction. Costs for damages to HECO facilities shall be borne by the Contractor. This repair work shall be done by HECO, or by the Contractor under HECO's supervision.
- 12. The Contractor shall save and hold harmless, indemnify, and defend HECO, its officers, employees, agents, and any contractor employeed by HECO in connection with this project, from and against any and all suits, actions, and claims of every nature and kind which may be brought for or on account of any injury, death, or damage, arising or growing solely out of the negligence of the Contractor.

FED. ROAD DIST. NO. STATE FED. AID PROJ. NO. FISCAL SHEET NO. SHEETS

HAWAII HAW. STP-099-1(20) 1999 4 44

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

UTILITY NOTES

KAMEHAMEHA HIGHWAY PEDESTRIAN

ACCESSIBLE ROUTE IMPROVEMENTS

Acacia Road to Honomanu Street Fed. Aid Project No. STP-099-1(20)

Date: March 1999

SHEET No. 1 OF 2 SHEETS

THE GAS COMPANY NOTES

Gas Facilities (General Notes)

- 1. The Gas Company gas pipelines in the project area are plastic coated and cathodically protected. The Contractor shall be extremely careful when working near these gas pipelines.
- 2. Written clearance must be obtained from The Gas Company at least five working days prior to starting excavation near these gas pipelines.
- 3. The Contractor shall excavate and backfill around gas pipelines in the presence of a The Gas Company representative. All backfill within six inches of any gas pipeline shall be select cushion material approved by the Gas Company.
- 4. For relocation of any gas pipeline, the Contractor shall notify The Gas Company five working days before starting work. The Contractor shall provide the necessary excavation and backfill, obtain traffic permits, and restore pavement, sidewalks, and other facilities. Any relocation of gas facilities shall be done by The Gas Company and paid for by the Contractor.
- 5. The Contractor shall notify The Gas Company immediately after any damage has been caused to existing gas pipelines, coatings, or its cathodic protection devices. Repair work on such damage shall be done by The Gas Company and paid for by the Contractor.
- 6. Minimum vertical and horizontal clearance between the gas pipelines and other pipelines, conduits, ductlines, or other facilities shall be 12 inches. Adequate support and protection for gas pipelines exposed in the trench shall be provided by the Contractor and approved by The Gas Company.
- 7. The Contractor shall work in an expeditious manner in order to deep the uncovered gas pipelines exposed for as short a period of tinme as possible.

16-Inch Gas Transmission Line (Line Specific Notes)

- 1. The Gas Company 16-inch high pressure gas transmission line is plastic coated and cathodically protected. The Contractor shall be extremely careful when working near the gas pipeline.
- 2. Prior written clearance must be obtained from The Gas Company Maps and Records Department, 515 Kamakee Street, at least five working days before starting excavation near any of The Gas Company pipelines.
- 3. Since pipeline locations on field maps are approximate, the Contractor, after obtaining written clearance, shall call The Gas Company, a minimum of five working days before starting excavation to arrange for field location of existing gas lines. The telephone number is 594-5575 during business hours, and 526-0066 after hours.
- 4. The Contractor shall notify The Gas Company, Distribution Department (594-5556) 24 hours prior to excavating and backfilling any pipiline.
- 5. The Contractor shall have the sole responsibility to perform field verification, including hand digging methods.
- 6. The Contractor shall excavate and backfill around the pipeline in the presence of a representative of The Gas Company. All backfill within 12 inches of the pipeline shall be sand, mansand or select cushion material approved by The Gas Company.
- 7. Minimum vertical and horizontal clearance between gas pipeline and other pipelines, conduits, or other structures shall be 24 inches. Adequate support and protection for gas pipelines exposed in the trench shall be provided by the Contractor and approved by The Gas Company.
- 8. The Contractor shall work in an expeditious manner in order to keep uncovered gas line exposure to a minimum.
- 9. The Contractor shall notify The Gas Company immediately after any damage has been caused to the existing gas pipelines, their coatings or their cathodic protection devices. The number to call is 594-5567 or 526-0066, 24 hours a day. The Contractor shall be liable for any damage to The Gas Company facilities. Repair work on this damage shall be performed by The Gas Company with payment for this work to be borne by the Contractor.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR		TOTAL SHEETS
HAWAII	HAW.	STP-099-1(20)	1999	5	44

AT¢T NOTES

- 1. The location of AT&T's underground facilities as shown on the plans are from records of varying degrees of accuracy and are not guaranteed as shown. The Contractor shall exercise extreme caution when the excavation and construction crosses or is in close proximity to underground fiber optic facilities. Any damage to the existing underground facilities shall be paid for by the Contractor.
- 2. This project involves work that will impact AT \$\pi T's fiber optic communications cable.

 Please call 455-1010 48 hours prior to the start of work, to arrange for exact cable location.
- 3. Whenever a Contractor is working over or near the AT‡T cable, an AT‡T technician must be on site.

GTE HAWAIIAN TELEPHONE NOTES

- 1. The location of GTE Hawaiian Telephone Company's existing facilities are approximate only. The Contractor shall exercise extreme caution and shall maintain proper clearances whenever construction crosses or is in close proximity of GTE Hawaiian Telephone Company facilities. The Contractor shall verify their locations and shall be liable for any damages to GTE Hawaiian Telephone Company facilities. Any damages shall be reported immediately to GTE Hawaiian Telephone Company's Repair Section at #611 (24 hours) or to the Excavation Permit Section at 483-8085 (normal working hours, Monday through Friday, except Holidays).
- 2. For underground cable locating and marking, five working days advance notice is required.

 Three working days advance notice is required for any inspection by a designated representative.
- 3. The Contractor shall take necessary precaution not to damage any existing cables or conduits. Any work involving existing GTE Hawaiian Telephone Company cables or conduits, shall be done in the presence of a GTE Hawaiian Tel Inspector or designated representative.
- 4. The Contractor shall obtain an excavation permit and toning request from GTE Hawaiian Telephone Company's Excavation Permit Section, located at 3239 Ualena Street, Third Floor, two weeks prior to the start of construction. Hours of business is 7:00 am to 10:30 am and 11:30 am to 3:00 pm, Monday through Friday, except Holidays.
- 5. The Contractor shall notify GTE Hawaiian Telephone Company's Inspector or designated representative a minimum of 72 hours prior to excavation, bracing or backfilling of GTE Hawaiian Telephone Company's structures or facilities.
- 6. When excavation is adjacent to or beneath GTE Hawaiian Telephone Company's existing structures or facilities, the Contractor shall:
 - a) Sheet and/or brace the excavation to prevent slides, cave-ins or settlements to ensure no movement to GTE Hawaiian Telephone Company's structures or facilities.
 - b) Protect existing structures and/or facilities with beams, struts or underpinning while excavating beneath them to ensure no movement to GTE Hawaiian Telephone Company's structures or facilities.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

UTILITY NOTES

KAMEHAMEHA HIGHWAY PEDESTRIAN
ACCESSIBLE ROUTE IMPROVEMENTS

Acacia Road to Honomanu Street Fed. Aid Project No. STP-099-1(20)

Date: March 1999

SHEET No. 2 OF 2 SHEETS