

GENERAL NOTES:



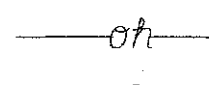
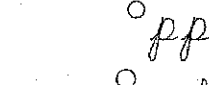
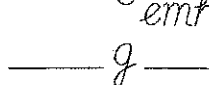
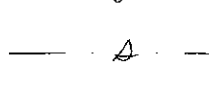
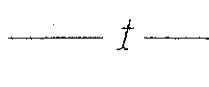
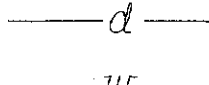
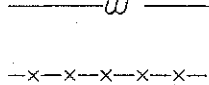
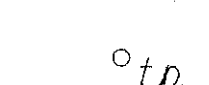
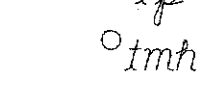
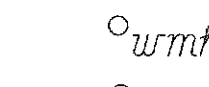
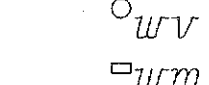
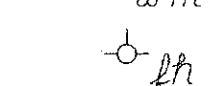
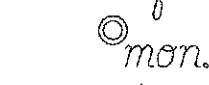
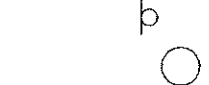

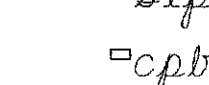
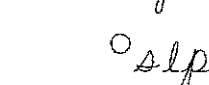
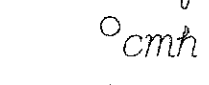
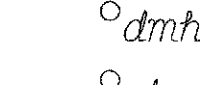
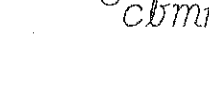




FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-07-16	2020	3	22

1. The scope of work for this project consists of installing storm drain structure, pipe, and grouted rubble paving, reconstructing pavement structure, importing soil, and installing pavement marking and striping.
2. The Contractor is reminded of the requirements of Subsection 105.16 - Subcontracts, which requires him to perform work amounting to not less than 30 percent of the total contract cost less deductible items. Non-compliance with this Subsection may be grounds for rejection of bid.
3. The Contractor's attention is directed to the following Sections of the Standard Specifications and Special Provisions: Subsection 104.11 - Utilities and Services; Subsection 107.06 - Contractor Duty Regarding Public Convenience; Subsection 107.11 - Safety; Accident Prevention; Subsection 107.12 - Protection of Persons and Property; and Section 645 - Work Zone 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. The Contractor will immediately report to the Engineer and utility companies damage discovered or caused by his work to any utilities. All damaged portions shall be replaced or repaired in accordance with the standards and specifications of the affected utility company at the Contractor's expense.
6. The existing drainage system shall be functional at all times during construction. The Contractor shall furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to the various contract items.
7. All saw cutting work shall be considered incidental to the various contract items.
8. The Contractor shall provide for free and safe access to and from all existing side streets at all times.
9. The Contractor shall provide for access to and from all existing driveways at all times. The Contractor shall coordinate with the owner if driveway closure is required.
10. Where pedestrian walkways exist, they shall be maintained in a safe and passable condition, or other facilities for pedestrians shall be provided. Passages between walkways at intersections shall likewise be provided at all times.
11. This project will affect bus operations, bus routes, bus stops, and para-transit operations. At least two (2) weeks prior to construction, the Contractor shall provide notification of the scope of work, location, detour, proposed closure of any street, traffic lane, sidewalk, or bus stop and duration of project to:
- DTS-PTD: 768-8396 and TheBusStop@honolulu.gov  
Oahu Transit Services:  
Bus Operations: 848-4571 and 848-4565 and Field\_Operation\_Mgr@thebus.org  
Para-transit Operations: 454-5006 and 454-5083
12. The Contractor shall follow the requirements of various permits and Best Management Practices (BMP) during the construction.

13. No work or equipment shall be located or take place within 10 feet of any overhead wires or any HECO utility pole. Should work be required within 10 feet of any overhead wires or any HECO utility pole, refer to HECO Notes 5 and 6, Plan Sht 5.
14. The Contractor is advised that in addition to other Contractors working in the same areas, various utility companies (or their contractors) including Hawaiian Electric Company, Hawaiian Telcom, Spectrum, Hawaii Gas, and the Board of Water Supply may be performing work within the project area. Refer to Hawaii Standard Specifications Subsection 104.11 - Utilities and Services.
15. The Contractor shall coordinate all work with other Contractors in the areas. In case of unresolved conflict among contractors regarding access or work sites, the Engineer will make the final determination of priorities.
16. Smooth riding connections shall be constructed at all limits of the project, 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.
17. The Contractor shall clean and remove any accumulation of aggregates along the roadside within 15 feet of the edge of pavement. This work shall be considered incidental to the various contract items.
18. Demolishing, removing and disposing of existing drainage conduits shall be considered incidental to the various contract items.
19. All necessary permits shall be obtained by the Contractor at his own cost, including Community Noise Permit for all construction activities. Refer to Hawaii Standard Specifications Subsection 107.02 - Permits and Licenses.
20. The Contractor shall comply with the directives of the State of Hawaii Occupational Safety and Health (HIOSH) Law. Any citation (fine) received by the State for noncompliance by the Contractor shall be deducted from the progress payment or will be billed for the amount of the fine or both.
21. The Contractor shall submit requests for detours and lane closures in accordance with Hawaii Standard Specifications Subsection 645.03(F) - Lane Closures. Once the request has been approved by HDOT, the Contractor is required to provide a written Weekly Lane Closure Request to the HDOT Construction Field Office at least one (1) week ahead of all upcoming work.
22. The Contractor shall maintain at least one paved shoulder free and clear of debris for pedestrian and bicycle traffic at the end of each work day.
23. No material and/or equipment shall be stockpiled or otherwise stored within the highway right-of-way except at locations designated in writing and approved by the Engineer. If use of location is approved by the Engineer, the Contractor shall obtain a permit to use the property within the highway right-of-way from the State Right-of-Way Branch at telephone no. 692-7332.
24. The Contractor shall indemnify and be solely responsible for the protection of adjacent properties, utilities, curbs, sidewalks, and existing structures from damage due to construction. Repairing any damage shall be at the Contractor's own expense, to the satisfaction of the Engineer. Refer to Hawaii Standard Specifications Subsection 107.12 - Protection of Persons and Property.
25. All temporary traffic control (TTC) elements, including but not limited to, pedestrian and worker safety, and flagger control, shall conform to the latest adopted version of the Manual on Uniform Traffic Control Devices (MUTCD) and Americans with Disabilities Act Accessibility Guidelines (ADAAG). Refer to Hawaii Standard Specifications Special Provisions Subsection 645.03 - Construction.

26. The Contractor is reminded to call the Hawaii One Call Center at 811 prior to starting any excavation work.
27. All work specified in the Contract but not listed separately in the proposal schedule shall be considered incidental to the various contract items and shall not be paid for separately.
28. Contractor shall submit a Daily Inspection Report signed by the Contractor's authorized representative daily to the Engineer and Inspector. Submittal frequency may be changed upon written request and approval from the Engineer.

LEGEND

	New Pavement/Reconstruction
	New Drain Line
	Existing Electrical Line
	Existing Power Pole
	Existing Electric Manhole
	Existing Gas Line
	Existing Sewer Line
	Existing Telephone/Comm. Line
	Existing Drain Line
	Existing Water Line
	Existing Chain Link Fence
	Existing Telephone Pole
	Existing Telephone Manhole
	Existing Water Manhole
	Existing Water Valve Box
	Existing Water Meter
	Existing Fire Hydrant
	Existing Monument
	Existing Traffic Sign
	Existing Highway Lighting Standard
	Existing Street Light Pull Box
	Existing Comm. Pull Box
	Existing Street Light Pole
	Existing Comm. Manhole
	Existing Drain Manhole
	Existing Catch Basin Manhole



LICENSE EXPIRES 4/30/20  
THIS WORK WAS PREPARED BY  
ME OR UNDER MY SUPERVISION

*CPH*

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

GENERAL NOTES, LEGEND & ABBREVIATIONS

DRAINAGE IMPROVEMENTS AT VARIOUS LOCATIONS  
Interstate Route I-201, Vicinity of Fort Shafter Off-Ramp  
and Ala Napunani Street, Vicinity of Ala Aolani Street  
Project No. HWY-0-07-16

Date: June 2019

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NO.	DRAWN BY	
	TRACED BY	
	DESIGNED BY	
	CHECKED BY	

PUBLIC HEALTH, SAFETY, AND CONVENIENCE NOTES:

1. The Contractor shall observe and comply with all Federal, State, and Local laws required for the protection of public health and safety and environmental quality.
2. The Contractor, at his own expense, shall keep the project and its surrounding areas free from dust nuisance. The work shall be in conformance with the air pollution control standards and regulations of the State Department of Health. The City may require supplementary measures as necessary.
3. No Contractor shall perform any trenching operation so as to cause falling rocks, soil or debris in any form to fall, slide or flow onto adjoining properties, streets or natural water-courses. Should such violations occur, the cost incurred for any remedial action by the Director, HDOT shall be payable by the Contractor.
4. The Contractor shall provide, install and maintain all necessary signs, lights, flares, barricades, markers, cones, and other protective facilities and shall take all necessary precautions for the protection, convenience, and safety of the public. The Contractor shall apply for a construction permit with a noise pollution control plan if work should extend beyond permitted working hours.

ARCHAEOLOGICAL NOTES:

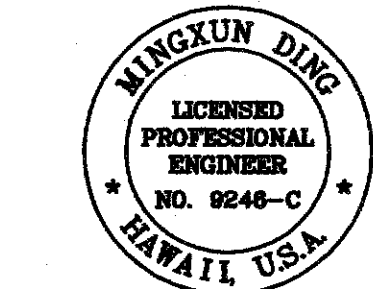
1. In the event that an archaeological or historic structure within the work area is inadvertently damaged during construction, cease work in the vicinity of the site and notify the Engineer and the State Historic Preservation Division (SHPD) of the Department of Land and Natural Resources of the damage. SHPD will determine the appropriate mitigation measures.
2. In the event that a previously unknown archaeological feature is exposed by construction, cease work in the vicinity of the new feature and notify the Engineer and SHPD of the new discovery.
3. In the event that previously unknown human remains are exposed by construction, cease all work in the area of the remains, and protect the area with an appropriate material. Notify the Engineer and SHPD at 692-8015.
4. If human remains are discovered, HAR Title 13, Subtitle 13, Chapter 300 states that further disturbances and activities shall cease in any area or nearby area suspected to overlie remains, and the State Historic Preservation Division and the Police Department will be contacted. The appropriate process would then proceed in conformance with HAR 13-300 Subchapter 4, "Procedures for Proper Treatment of Burial Sites and Human Skeletal Remains."
5. If any lava tube is uncovered during earthwork operations, the Contractor shall cease all ground work in the area and immediately notify the Archaeological Monitor and the Engineer. With or without the help of the Archaeological Monitor, the Engineer will assess the situation. If the Engineer has any doubts as to the extent and/or significance of the discovery, the Engineer will contact the appropriate regulatory agency (e.g., State Historic Preservation Division).

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ABBREVIATIONS

AC	Asphaltic Concrete	Inv	Invert
BL	Baseline	Lt	Left
BB	Bottom of Bank	lp	Light Pole
BMP	Best Management Practices	LF	Linear Feet
CB	Catch Basin	Max	Maximum
CL	Centerline	Min	Minimum
cmh	Communications Manhole	NTS	Not to Scale
Conc	Concrete	No.	Number
CY	Cubic Yard	pp	Power Pole
DOT	Department of Transportation	Pvmt	Pavement
Det	Detail	RCP	Reinforced Concrete Pipe
DL	Drainline	RPM	Reflective Pavement Marker
di	Drain Inlet	Rt	Right
DMH	Drain Manhole	R/W	Right-of-Way
Ea	Each	Sht	Sheet
e.p.	Edge of Pavement	SF	Square Feet
e.s.	Edge of Shoulder	Std	Standard
EL	Elevation	Sta	Station
Exist	Existing	SDMH	Storm Drain Manhole
gmh	Gas Manhole	slp	Street Light Pole
HDOT	Hawaii Department of Transportation	slpb	Street Light Pull Box
Hwy	Highway	TB	Top of Bank
HMA	Hot Mix Asphalt	Typ	Typical
		w/	With

ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
NOTE BOOK	DRAWN BY _____	
	DESIGNED BY _____	
	CHECKED BY _____	
	NO. _____	



LICENSE EXPIRES 4/30/20

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

*[Signature]*

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

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