

ORIGINAL PLAN	No.	DATE	SURVEY PLOTTED BY	_____
			DRAWN BY	_____
			DESIGNED BY	_____
			CHECKED BY	_____

GENERAL NOTES

- The project scope includes paving shoulders, installing guardrails and end treatments, flexible delineators, traffic signs and bicycle friendly milled edgeline rumble strips.
- Construction and restoration of all existing highway facilities within State right-of-way shall be done in accordance with all applicable sections of the 2005 Standard Specifications for Road and Bridge Construction and the Special Provisions.
- The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 105.16 - Subcontracts; Subsection 107.06 - Contractor Duty Regarding Public Convenience; Subsection 104.11 - Utilities and Services; and Section 645 - Work Zone 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 Contractor shall exercise extreme caution whenever construction crosses or is in close proximity of underground lines. The Contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of their operations.
- The location of overhead lines 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 overhead lines and shall maintain adequate clearance when operating equipment within or under any overhead lines.
- All saw cutting work shall be considered incidental to the various contract items.
- The Contractor shall survey and stake out the State Highway right-of-way and install all appurtenances associated with the project within the State right-of-way or construction parcels as shown in the plans.
- The Contractor shall be responsible for all Highway Monuments and State Survey Disks in the project area. If any of the Highway Monuments or Survey Disks are disturbed or removed, the Contractor will be responsible to reset the monuments at no cost to the State Highways Division. The Contractor shall hire a State of Hawaii Licensed Professional Land Surveyor to reset the monuments at the cost of the Contractor.
- The Contractor shall be solely responsible for the protection of adjacent properties, utilities and existing structures from damages due to construction. Repairing any damage shall be at the Contractor's own expense, and to the satisfaction of the Engineer.
- Removal and disposal of any debris shall be considered incidental to their respective bid items. This work shall be considered incidental to the various contract items and will not be paid for separately.

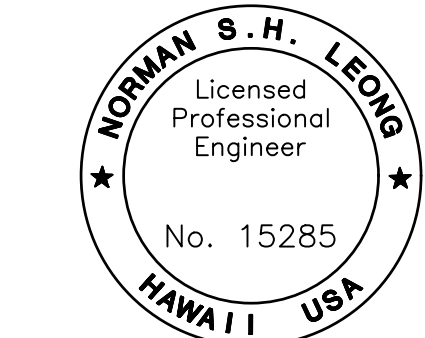
GENERAL NOTES (Cont.)

- When excavating near utility poles, the Contractor shall protect, support, secure and take all other precautions to prevent damage to or leaning of those poles. The Contractor is responsible for all costs associated to repair and/or straighten pole.
- At least one lane must be open to traffic at all times. Closure of the highway will not be permitted. Open all lanes during non-working hours.
- All regulatory, guide and construction signs and barricades shall be high intensity reflective sheeting.
- All signs, pavement markings, striping, etc. removed or damaged by the Contractor shall be replaced by the Contractor at no additional cost to the State.
- The Contractor shall provide for free and safe vehicular access to and from all existing side streets and driveways at all times. This work shall be considered incidental to the various contract items and will not be paid for separately.
- The Contractor shall notify the State in writing, two (2) weeks prior to starting paving operations.
- Trimming and 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 Engineer.
- Public notice is required for lane closures. The Contractor shall submit notice to the Engineer for approval a minimum of three weeks prior to publication. Pre-approval of notice, with dates left blank, is permissible.
- Guardrail and sign post probing work is incidental to the various guardrail and sign Pay Items.
- A Traffic Control Plan shall be required prior to starting work in each area. The Contractor shall submit a Traffic Control Plan stamped by a Registered Civil Engineer from the State of Hawaii to the Engineer for approval.
- 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 Hawaii District Office at telephone no. (808) 933-8866.
- Woody plants greater than 15 feet tall should not be disturbed, removed, or trimmed during the bat birthing and pup rearing season from June 1 through September 15. Barbed wire should also be avoided for any construction during this period.
- If necessary, night time work should be avoided during the Hawaiian seabird fledgling period from September 15 through December 15. If not possible, lights shall be fully shielded and pointed towards the ground.

GENERAL NOTES (Cont.)

- If trees are to be cut, the surrounding area should be surveyed to ensure no Hawaiian Hawk nests are present during the breeding season from March to September. Should a nest(s) be found in the project vicinity, immediately contact the DLNR Division of Forestry and Wildlife at (808) 587-0166.
- All equipment, materials, and personnel should be cleaned of excess soil and debris to minimize the risk of spreading invasive species. Gear that may contain soil, such as work boots and vehicles, should be thoroughly cleaned with water and sprayed with 70% alcohol solution to prevent the spread of Rapid Ohia Death and other harmful fungal pathogens.
- Movement of plant or soil material between worksites should be minimized as much as possible.
- Stop work and contact the State Historic Preservation Division, at (808) 692-8015 immediately should any unidentified archaeological site or remains (such as artifacts, shells, bones, charcoal deposits, road or coral alignments, pavings or walls) be encountered during construction.
- All existing drainage facilities shall be functional at all times during construction.
- The Contractor shall clean and remove any accumulation of aggregates along the roadside within 10 feet of the edge of pavement. This work shall be considered incidental to bulk of work or the various contract items and will not be paid for spearately.
- Removal and disposal of existing asphalt concrete pavement an any debris shall be considered incidental to their bid items.
- Before any excavation in the public right of way or on private property, call the Hawaii One Call Center at least five (5) working days before you plan to dig. Provide the address and location of the nearest cross streef(s) near where you plan to dig.

Call 811 toll-free 24 hours a day.
For more information, go to www.callbeforeyoudig.com



This work was prepared by me or under my supervision and construction of this project will be under my observation.
Norman Leong
Expiration Date of License 4/24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES

MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS
East and West of Puuwaawaa Ranch
Federal Aid Project No. HSIP-0190(018)

Scale: NTS Date: July 2022

SHEET No. 1 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-0190(018)	2022	3	70

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NOTE BOOK	No.	DESIGNED BY	_____

No.	No.	CHECKED BY	_____

GENERAL NOTES (Cont.)

33. The Hawaii One Call Center will contact all utility companies to tone, mark, or identify the location of their underground utilities for free. Mark the area where you plan to excavate in White and label all of the other utilities as listed below.

- REDElectric power lines, cables, or conduits, and lighting cables
- YELLOWGas, oil steam, petroleum or other hazardous liquid or gaseous materials.
- ORANGECommunications, cable TV, alarm or signal lines, cables or conduits.
- BLUEWater, irrigation, and slurry lines.
- GREENSewers, storm sewer facilities or other drain lines.
- WHITEProposed excavation
- PINKTemporary survey markings
- PURPLEReclaimed water, irigation and slurry lines.

LEGEND

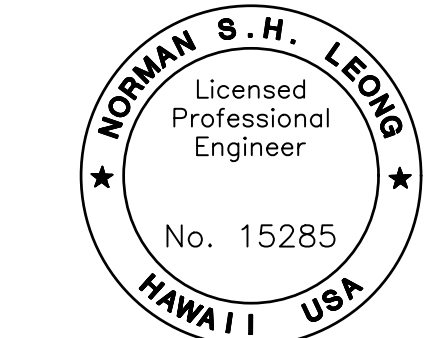
- Sawcut and Widen Exist. Shoulder
See Detail on Plan Sht. 8
- New Metal Guardrail
- Existing Power Pole
- Existing Telephone Pole
- Existing Water Meter
- Existing Traffic Sign
- Existing Rock Wall
- Existing Flexible Delineator
- New RM-2 Marker on Flexible Delineator
- Existing Road Monument

ABBREVIATIONS

- acasphalt concrete
- acbasphalt concrete base
- bfpbackflow preventer
- blbaseline
- bmpbest management practices
- cbcatch basin
- clcenterline
- Conc.concrete
- Cont.continuation
- crmconcrete rubble masonry
- dept.department
- di drain inlet
- drwydriveway
- eeast
- ehpelevation hold point
- elec electrical
- elev elevation
- epedge of pavement
- esedge of shoulder
- etc.etcetera
- exist., ex.existing
- fhfire hydrant
- hlhighway lighting
- hdpehigh density polyethylene
- hdwlheadwall
- hmahot mix asphalt
- hwyhighway
- invinvert
- lflineal feet
- maxmaximum
- M.E.match existing
- minminimum
- m.l.match line
- monmonument
- north
- no.number
- O.C.on center
- o/hoverhead
- o/soffset
- pav'tpavement
- pcpoint of curvature
- pccpoint of compound curvature
- plproperty line
- prcpoint of reverse curvature
- ptpoint of tangency
- rradius

ABBREVIATIONS (Cont)

- rcpreinforced concrete pipe
- refreflector
- retretaining
- r/wright of way
- rmrefelctive marker
- s.e.superelevation
- sf square feet
- Sht.sheet
- smhsewer man hole
- Stastation
- Std.standard
- temptemporary
- Thk.thick
- TMKtax map key
- ts tangent to spiral point
- typ.typical
- w/with
- w/owithout
- wlwater line
- wmwater meter
- wmbwater meter box
- wmhwater man hole
- wvbwater valve box



This work was prepared by me or under my supervision and construction of this project will be under my observation.

Norman Leong

Expiration Date of License 4/24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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Scale: NTSDate: July 2022

SHEET No. 2 OF 2 SHEETS