

CONSTRUCTION NOTES WITHIN COUNTY
JURISDICTION:

- Contractor shall obtain a permit to Perform Work on County Highways from the Development Services Administration at least two weeks prior to the commencement of work.
- Standard detail drawings and FP-14 Special Contract Requirements (SCR's) are included by reference as part of the construction plans.
- All construction work shall conform to the latest version of the FP-14 Special Contract Requirements (SCR's)
- Contractor shall provide, install and maintain all necessary signs, lights, flares, barricades, and other protective devices for the protection, safety and convenience of the public, according to the latest version of the "Manual on Uniform Traffic Control Devices for Streets and Highways", and to the rules and regulations governing the use of traffic control devices at work sites and/or adjacent to public streets and highways adopted by the Highway Safety Coordinator and the U.S. Federal Highway Administration.
- The Contractor shall schedule a pre-construction meeting with the Development Services Administration a minimum of five (5) days prior to commencement of construction.
- The Contractor shall, at no cost to others or the government, keep the project area and surrounding area free from dust nuisance. The work shall be in conformance with Air Pollution Control Standards and Regulations of the State Department of Health and County Grading Ordinance.
- The Contractor shall remove all silt and debris resulting from work and deposited in drainage facilities, roadways and other areas. The cost incurred for any necessary remedial action ordered by the Director of Public Works shall be paid by the Contractor.
- Construction debris and wastes shall be deposited at an appropriate work site. The Contractor shall inform the Director of Public Works of the location of the disposal site(s). The disposal site(s) must fulfill the requirements of the grading ordinance.
- The Contractor shall submit a Tagged Image File Format (TIFF) and five (5) copies of the "As-Built" drawings prior to the final approval of the improvements.
- Should historic sites such as walls, platforms, pavements, or mounds, or remains such as artifacts burials, concentration of shell or charcoal be encountered during construction activities, work shall cease immediately in the immediate vicinity of the find and the find shall be protected from further damage. The Contractor and/or landowner shall immediately contact the State Historic Preservation Division (808-692-8015), which will assess the significance of the find and recommend an appropriate mitigation measure, if necessary.
- The County of Maui is not responsible for any park, roadway, easement (including but not limited to drainage, sewer, access, reclaimed water, or avigation easement), or any other interest in real property shown on this map or shown on these plans, unless the Maui County Council has accepted its dedication by a resolution approved by a majority of Council members at a regular or special meeting of the Maui County Council or the County of Maui has signed its acceptance via a conveyance document recorded in the Bureau of Conveyances of the State of Hawaii in compliance with Maui County Code Section 3.44.015.
- Compaction Requirements
 - Testing of materials shall be conducted by an approved independent testing agency in accordance with ASTM standard methods or as specified by the Department of Public Works, Engineering Division, as follows:
 - Embankment/Select Borrow and Subgrade Materials: one (1) compaction test per 600 square yards per lift;

CONSTRUCTION NOTES WITHIN COUNTY
JURISDICTION (CONT'D):

- Aggregate Subbase Course: one (1) compaction test per 400 square yards; one (1) gradation and sand equivalent test per lift per project;
 - Aggregate Base Course: one (1) compaction test per 300 square yards; one (1) gradation and sand equivalent test per lift per project;
 - Asphalt Concrete Pavement or Asphalt Treated Base Course; three (3) A.C. cores for thickness and density tests per project;
- Contractor shall submit all testing reports including results to the County's inspection agency for review and approval prior to County's acceptance of work.
 - The Contractor shall be required to notify the County of any testing failures and correct each failure prior to proceeding to the next phase of construction.

GENERAL CONSTRUCTION NOTES:

- Contractor shall protect trees and shrubs not called for removal on the drawings and make provisions to restore and/or replace damaged trees at his own expense.
- No construction equipment shall be parked within the road right-of-way in such a manner that the equipment will obstruct the normal movement and sight distance of the driving motorist, except during actual working hours.
- During non-working hours, all signs which do not pertain to the construction activity, such as "ROAD WORK AHEAD" and "FLAGMEN AHEAD" shall be covered or laid down. All signs necessary for the safety of the public shall be maintained.
- The Contractor shall employ a Hawaii registered professional surveyor to perform all construction stakeouts, the cost of which shall be borne by the Contractor.
- Contractor shall notify the State Historic Preservation Division (808-692-8015) a minimum of three (3) working days prior to permitted actions involving ground altering activities.
- Prior to starting any excavation activities, the Contractor shall contact the Hawaii One Call Center at 1-866-423-7287.

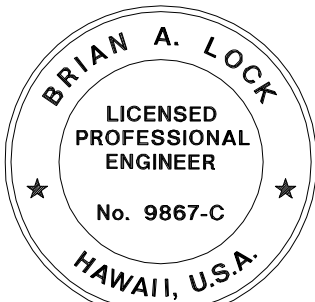
GRADING NOTES:

- All grading operations shall be performed in conformance with the applicable provisions of the Water Pollution Control and Water Quality Standard contained in the Public Health Regulations, State Department of Health, and the County Grading Ordinance.
- The Contractor shall provide dust control, with sprinklers and /or waterwagons, weekends and holidays included. All graded areas shall be thoroughly watered after construction activity has ceased for the day and for the weekend.
- Existing topographic information shown is from the survey map prepared by ControlPoint Surveying, Inc. dated August 21, 2016.
- The contractor shall perform all grading in conformance with the requirements specified in the Maui County Grading Ordinance.
- A copy of the permit and the approved mass haul plans shall be kept onsite during construction.
- A Grading Report (County Code Section 20.08.250) shall be submitted when grading involves cuts or fills in excess of 15 feet in height, or involves fills placed over a swamp, pond, gully or lake. Compaction tests shall be provided for work involving County roadway construction or roadways to be dedicated to the County.

GRADING NOTES
(CONT'D):

- The grading limits shall be clearly marked prior to initiation of work and maintained to completion of grading.
- The area to be graded or grubbed shall not exceed fifteen (15) acres. Additional areas shall not be opened for grading or grubbing until the area already disturbed has been adequately stabilized.
- The horizontal distance from the top or bottom of a cut or fill slope to the adjoining property line shall be in accordance with County Code Section 20.08.210, regardless of what may be shown on the plans.
- In the event that anything shown on the approved mass haul plans is in conflict with any of the provisions of the grading ordinance, the stricter of the two shall apply.
- Best Management Practices (BMPs) must be installed prior to the start of grading and grubbing work.
- At a minimum, disturbed areas that will not be redisturbed for twenty-one (21) days or more shall be stabilized (grassed or graveled) by no later than the fourteenth (14th) day after last disturbance.
- Contractor shall control dust emissions and erosion to the maximum extent practicable through the application of BMPs, which may include watering with trucks or sprinklers, erection of silt/dust fence, limiting the area of disturbance, and timely grassing of finished areas. Grading operations shall be temporarily halted during adverse wind conditions when dust cannot be controlled otherwise.
- When work is done in phases, Development Services Administration (DSA) must sign off on the completed phase prior to start of work on the next phase. Even after a grading phase has been signed off, the grassing or other stabilization must be maintained until project completion. All grading phases must be maintained and fully stabilized at the time of project completion and release of bond.
- When work is done within a drainageway, DSA may require the Contractor to provide a construction schedule for review and approval. Should it be determined that the work cannot be completed within an acceptable period of time, DSA may require that the Contractor delay work within the drainageway until the end of the rainy season.
- Contractor shall follow all construction related conditions of the SMA permit.
- Importation and placement of soil is prohibited within the shoreline area per conditions of the Special Management Area permit.
- Grading of the coastal dune is prohibited per conditions of the SMA permit.

STATE	PROJECT	SHEET NO.
HI	HI STP SR 30(1)	A4



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION APRIL 30, 2020
LIC, EXP, DATE

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

U.S. CUSTOMARY

NOTES

EROSION CONTROL NOTES:

A. Temporary Measures - The following measures shall be taken by the contractor to control erosion during the construction period:

- 1. Minimize the time of construction.
- 2. Retain existing ground cover until latest date to complete construction.
- 3. Construct drainage control measures prior to grading activities.
- 4. Station water truck on site during construction period to provide for immediate sprinkling as needed in active construction zones (weekends and holidays included).
- 5. Use brackish and/or reclaimed water sources for dust control, irrigation, and other non-potable uses.
- 6. Grade temporary swales at the top of new fill slopes to prevent runoff from reaching and flowing down new fill slopes. Install additional measures as needed to prevent erosion of new slopes.

B. Permanent Erosion Control Measures:

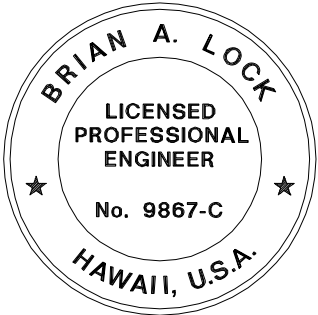
- 1. Permanent drainage systems (See plans and FP -14 Special Contract Requirements (SCR's)).
- 2. The Contractor shall grass all exposed areas that have been constructed to final grades no later than the fourteenth (14) day after last disturbance. The Contractor shall immediately maintain the grassed areas until the completion of the project.

11. Contractor to install additional dust control devices as necessary per county inspector.

BEST MANAGEMENT PRACTICES NOTES:

- 1. Stabilize construction entrances with gravel at each ingress and egress.
- 2. Sediment control: Capture sediment transported in runoff to minimize the sediment from leaving the site with methods such as sediment basins and traps, silt screens or sand bags.
- 3. Erosion controls: Stabilize all disturbed areas with erosion control measures such as vegetation, runoff diversion, check dams, mulching, blankets, and bonded fiber matrices. Provide vehicle wheel wash facilities.
- 4. Drainage: Handle drainage to minimize erosion, prevent damage to downstream properties and return water to the natural drainage course in a manner which minimizes sedimentation or other pollution to the greatest extent practicable.
- 5. Dust control: Control dust emissions to the maximum extent practicable through BMPs such as water sprinkling, dust fences, limiting area of disturbance and timely grassing of finished areas.
- 6. Vegetation: Retain natural vegetation, especially grasses, wherever feasible, avoid storage of grubbed material near watercourses.
- 7. Measures to control erosion and other pollutants shall be in place prior to grading activities.
- 8. All erosion control measures shall be checked and repaired weekly in dry periods, and within 24-hours after any rainfall of 0.5 inches or greater. During prolonged rainfall, daily checking will be necessary. The permittee shall maintain records of all checks and repairs.
- 9. Designate a qualified Erosion Control Supervisor according to Subsection 157.03.
- 10. Permanent soil stabilization with perennial vegetation shall be applied as practicable after final grading no later than the fourteenth (14) day after last disturbance.

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HI	HI STP SR 30(1)	A5



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