

GENERAL NOTES:

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	93A-01-12	2016	3	29

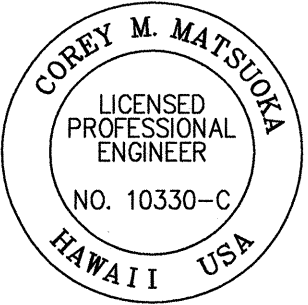
1. The scope of work for this project consists of installing drainage improvements including removing existing perforated pipes; installing new drain pipes, drain manholes, traffic signs, pavement markings and striping, and traffic signal system; reconstructing pavement structure and concrete pads for existing drywells; reconstructing existing drain inlet; hydro-mulch seeding; grading and other related repairs.
2. The Contractor is reminded of the requirements of Subsection 105.16 - Subcontracts.
3. The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 104.11 - Utilities and Services, Section 107 - Legal Relations and Responsibility to Public, and Section 645 - Work Zone Traffic Control.
4. The Contractor shall notify the State in writing, two (2) weeks prior to construction operations.
5. 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.
6. The location and existence of underground utilities, manholes, monuments and other 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 the work is possible. The Contractor shall make an independent check on the ground by probing and/or checking with the various utility companies and government agencies to verify the exact locations and depths of the existing utilities and obstructions. The Contractor shall exercise proper care in excavating and cold planing in the area. Whenever connections of new utilities are shown on the plans, the Contractor shall expose the existing lines at the proposed connections to verify their locations and depths prior to excavating new lines. The Contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations. 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.
7. The exact locations and limits or areas to be reconstructed shall be determined in the field by the Engineer.
8. The Contractor shall notify in writing, the Oahu Transit Services, Inc. (Tel. No. 848-4571) two (2) weeks prior to construction, informing them of location, scope of work, closure of the name of the highway and/or traffic lanes, and dates of closure.
9. The Contractor shall indemnify and be solely responsible for the protection of adjacent properties, utilities and existing structures from damages due to construction. Repairing any damages shall be at the Contractor's own expense, to the satisfaction of the Engineer.
10. Earth swale shall be graded to drain. This work shall be considered incidental to the various contract items.
11. Smooth riding connections shall be constructed at all connection between new and existing pavement, walkways and driveways as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to the various contract items.

12. Existing drainage system shall be functional at all times during construction. Contractor shall furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to the various contract items.
13. The Contractor shall provide for and maintain access to and from all existing driveways, sidewalks, ADA access routes, side streets and cross streets at all times. This work shall be considered incidental to the various contract items.
14. All saw cutting work shall be considered incidental to Item No. 401.0100 - Hot Mix Asphalt Pavement, Mix No. IV, and will not be paid for separately.
15. 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 Oahu District Office at telephone no. 831-6712.
16. Public Notice is required for lane closures. 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.
17. 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.
18. The Contractor's attention is called to Section 407 - Tack Coat of the Special Provisions.
19. Temporary striping on cold planed surfaces shall be with paint (tape will not be allowed). Temporary striping on final overlay shall be with temporary tape.
20. Paving shall not commence on the same day as the cold-planing.
21. The Contractor will be allowed to pave one lane of the roadway on a single day with the adjacent shoulder being paved the next day. The adjacent lane shall be paved no later than the third day.
22. Pavement striping shall be done with alkyd-based thermoplastic.
23. Lane closures or detours that slow down traffic shall not occur during peak hours (6:30 am to 8:30 am and 3:30 pm to 6:00 pm).
24. Cold planing of adjacent travel ways shall be completed on the same day. Temporary pavement markings shall be installed prior to the end of each work day.
25. Prior to construction operations, the Contractor shall be responsible for locating, preserving and marking all utility and highway facilities that will require adjustments to the new finished grade. The Contractor shall submit to the Engineer a list of all items, including water, drainage, sewer, gas, electrical, telephone and cable utilities, etc. to be adjusted to the new finished grade.
26. When trench excavation is adjacent to or under existing structures or facilities, the Contractor shall be responsible for properly sheeting and bracing the excavation and stabilizing the existing ground to render it

safe and secure from possible slides, cave-ins and settlement and for properly supporting existing structures and facilities with beams, struts or under-pinning to fully protect them from damage.

27. The Contractor shall verify the presence of existing aerial and underground utilities which may conflict with construction activities and shall coordinate with the utility company for temporary relocation, as necessary. All costs associated with the temporary relocation shall be borne by the Contractor.
28. The Contractor shall obtain all necessary permits prior to start of work at his own cost.
29. The Contractor shall submit maintenance plans and schedules, including traffic detours, road or lane closures, lane switches, and the placement of temporary traffic control devices, to the Engineer for acceptance prior to construction.
30. All work specified in the contract but not listed separately in the proposal schedule shall be considered incidental to the various contract items.
31. Verify and check all dimensions and details shown on the drawings prior to the start of construction. Any discrepancy shall be immediately brought to the attention of the Engineer for direction.
32. The underground pipes, cables or ductlines known to exist by the Engineer from his search of records are indicated on the plans. The Contractor shall verify the locations and depths of the facilities and exercise proper care in excavating in the area. All damaged portions shall be replaced in accordance with the standards and specifications of the affected utility company and shall be the Contractor's responsibility. Personal injury resulting from contact with existing utilities shall be the Contractor's responsibility. Wherever connections of new utilities to existing utilities are shown on the plans, the Contractor shall expose the existing lines at the proposed connections to verify their locations and depths prior to excavation for new lines.
33. The Contractor shall be responsible for conformance with the applicable provisions of Chapter 54, Water Quality Standards, and Chapter 55, Water Pollution Control, of Title 11, Administrative Rules of the State Department of Health.
34. Prior to the start of construction, the Contractor shall contact the Hawaii One Call Center at (866) 423-7287 to have respective utility companies have marked where their underground facilities are located. The Contractor shall coordinate all work.

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
CHECKED BY	
NOTE BOOK	
No.	



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

SIGNATURE

EXPIRATION
DATE OF THE
LICENSE

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
GENERAL NOTES
FARRINGTON HIGHWAY DRAINAGE IMPROVEMENTS
Vicinity of Princess Kahanu Avenue
Project No. 93A-01-12
Date: Oct. 2015
SHEET No. 1 OF 2 SHEETS

GENERAL NOTES (CONTINUED):

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
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35. The Contractor shall restore to their original condition or better, all improvements damaged as a result of the construction, including pavements, embankments, curbs, signs, landscaping, structures, utilities, walls, fences, etc. unless provided for specifically in the proposal. Demolition and restoration of existing items shall be incidental and included within the amount paid for unclassified trench excavation.
36. If grading permit is required, the Contractor shall retain the services of a licensed Professional Engineer to be responsible during construction and prepare the certification and report after grading in accordance with Revised Ordinances of Honolulu 1990, Chapter 14, Article 14, Article 15 as amended.

HAWAII ONE CALL CENTER:

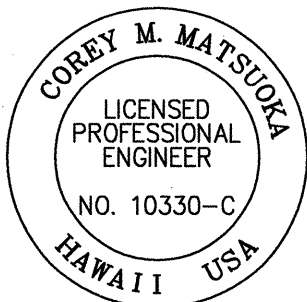
1. Before conducting any excavation in the public right of way or on private property, the Contractor shall call the Hawaii One Call Center at least five (5) working days before planning to dig. Be sure to give them the address and location of the nearest cross street(s) near where Contractor plan to dig.
2. 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 to excavate in white and label all of the other utilities as listed below.

RED Electric power lines, cables, or conduits, and lighting cables.
YELLOW Gas, oil steam, petroleum or other hazardous liquid or gaseous materials.
ORANGE Communications, cable TV, alarm or signal lines, cables, or conduits.
BLUE Water, irrigation, and slurry lines.
GREEN Sewers, storm sewer facilities or other drain lines.
WHITE Proposed excavation
PINK Temporary survey markings.
PURPLE Reclaimed water, irrigation and slurry lines.

ARCHAEOLOGICAL NOTES:

1. In the event that non-burial historic properties are identified, notify the State Historic Preservation (SHPD) of the Department of Land and Natural Resources at 692-8015, and follow the provisions outlined in Hawaii Administravtive (HAR) § 13-280-3.
2. If human remains are identified, cease work in the vicinity, notify SHPD and the Engineer, and follow the compliance and procedures outlined in HAR § 13-300-40.

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACED BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

Corey Matsuda
SIGNATURE

4/30/16

EXPIRATION
DATE OF THE
LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES

FARRINGTON HIGHWAY DRAINAGE IMPROVEMENTS

Vicinity of Princess Kahanu Avenue

Project No. 93A-01-12

Date: Oct. 2015

SHEET No. 2 OF 2 SHEETS