

GENERAL NOTES

- FILE: DOT95103
SCALE: 1"=1
BEG: 03/06/97

PM: STY
OPER: STY,CKY,MNN,MSM,*RGO,SAI
REVISED: 04/24/00
- SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY

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ORIGINAL
PLAN
NOTEBOOK
No.
1. This project consists of activities involved in the widening of approximately 1,140 l.f. of Keaahala Road. Also included are the following: reconstruction of the pavement structure; construction of retaining walls, curbs, gutters, and sidewalks; construction of drainage improvements, relocation of utilities, replacement of water supply facilities, and grading.

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. Noncompliance with this Subsection may be grounds for rejection of bid.

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 of areas to be over excavated and filled with a leveling course of aggregate subbase 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 paving operations.

9. The Contractor shall remove and dispose of all existing raised pavement markers prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to Asphalt Concrete Pavement and will not be paid for separately.

10. Smooth-riding connections shall be constructed at all limits of 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.

11. 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.

12. 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.

13. Earth swale shall be graded to drain. This work shall be considered incidental to the various contract items.

14. The Contractor shall provide for access to and from all existing side streets at all times.

15. All saw cutting work shall be considered incidental to the various contract items.

16. Origin of Azimuths: "HEEIA" Δ
Coordinates referred to: "HEEIA" Δ

17. Unless otherwise indicated, all construction, including materials, shall be done in accordance with the "Hawaii Standard Specifications for Road, Bridge, & Public Works Construction," dated 1994, as amended. Where reference is made to City and County of Honolulu Standards, construction shall be done in accordance with the "Standard Details for Public Works Construction" dated September 1984, as amended, of the City and County of Honolulu.

18. Topographic information obtained from "Topographic Survey Worksheet – Portion of Keaahala Road for Widening and Improvements," as amended by Engineers Surveyors Hawaii Inc.

19. Soils information obtained from "Subsurface Investigation Report, Keaahala Road Improvements – Kahekili Highway to Po'okela Road," dated October 5, 1998, as amended, by Fewell Geotechnical Engineering, Ltd.

20. Prior to construction, the Contractor shall contact the various utility agencies for location of the existing utilities within the project limits. The Contractor shall locate and protect all existing utilities whether or not shown on the plans. Any costs incurred by damages to existing utilities will be borne by the contractor.

21. All existing utilities, whether or not shown on the plans, shall be protected at all times by the Contractor unless specified on the plans to be abandoned.

22. Wherever connections to existing utilities are shown on the plans, the contractor shall expose the existing lines prior to excavation of the main trenches to verify their location and depth.

23. All traffic signs and pavement markings shall conform to the Manual on Uniform Traffic Control Devices for Streets And Highways, current edition.

24. No work shall be done between the hours of 3:30 p.m. and 8:30 a.m., unless otherwise permitted by the Engineer and the City and County of Honolulu Department of Transportation Services.

25. The Contractor shall make proper arrangements for the use of utilities such as electricity, water, etc. and shall be responsible for the payment of all costs resulting from such usage.

26. The Contractor shall be responsible for contracting a licensed surveyor, registered in the State of Hawaii, to do the construction stakeout.

27. 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. Any damage to existing utilities shall be repaired and paid for by the Contractor. 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 the new lines.

28. The Contractor shall not perform any construction activity so as to cause falling rocks, soil or debris in any form to fall, slide or flow onto adjoining properties, streets or natural watercourses. Should such violations occur, the costs incurred for any remedial action by the Director of the Department of Planning & Permitting of the City & County of Honolulu (D.P.P.) shall be payable by the Contractor.

29. 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.

30. The Contractor shall notify the Civil Engineering Branch, D.P.P., at 523-4881 to arrange for inspectional services and submit three (3) sets of approved construction plans seven (7) days prior to commencement of construction work.

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 clarification.

32. The Contractor shall restore to their original or better condition 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 to the other items shown on the plans and/or described in the specifications.

33. Restore areas disturbed by construction work to original or better condition.

34. Where necessary, reconstruction of sidewalk, gutter, and driveway areas shall conform to the standard details of the governmental agency having jurisdiction over the work.

35. The Contractor shall comply with the State of Hawaii's Occupational Safety and Health Law (DOSH).

36. The Contractor shall be responsible for obtaining all necessary permits if he elects to conduct work at night. The Contractor shall also be responsible for the required Public Notice and overtime inspection costs associated with the nighttime work.

LEGEND

- w16— Existing 16" Water Line

- W16- New 16" Water Line

○ wrmh Existing Water Manhole

○ WMH New Water Manhole

○ wv Existing Water Valve Box

⊙ WV New Water Valve Box

□ wm Existing Water Meter

□ WM New Water Meter

⊕ fh Existing Fire Hydrant

⊕ FH New Fire Hydrant

—s10— Existing 10" Sewer Line

○ smh Existing Sewer Manhole

⊙ mon Existing Monument

⊙ mon Adjusted Monument
- d24— Existing 24" Drain Line

-D24- New 24" RCP Drain Line

⊕ New Catch Basin

■ Existing Grated Inlet

⊕ Existing Traffic Sign

⊕ New Traffic Sign

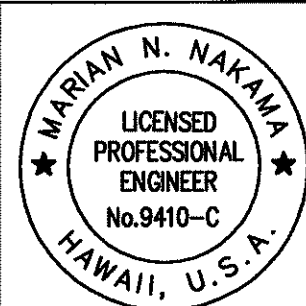
— - - - Existing Right-of-Way

— - - - New Right-of-Way

— — — Limits of Grading

M. [Signature]
Chief, Civil Engineering Branch, DPP

5/9/00
Date



THIS WORK WAS PREPARED
BY ME OR UNDER MY
SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

KEAAHALA ROAD WIDENING
KAHEKILI HIGHWAY TO PO'OKELA STREET
State Project No. HWY-0-03-97

Scale: As shown Date: April 2000