

GENERAL PLAN REVISED KALANIANA'OLE HIGHWAY

Scale: 1 in. = 200 ft.

Tax Map Key 3-09 - 02, 08, 17, 33.

GENERAL NOTES

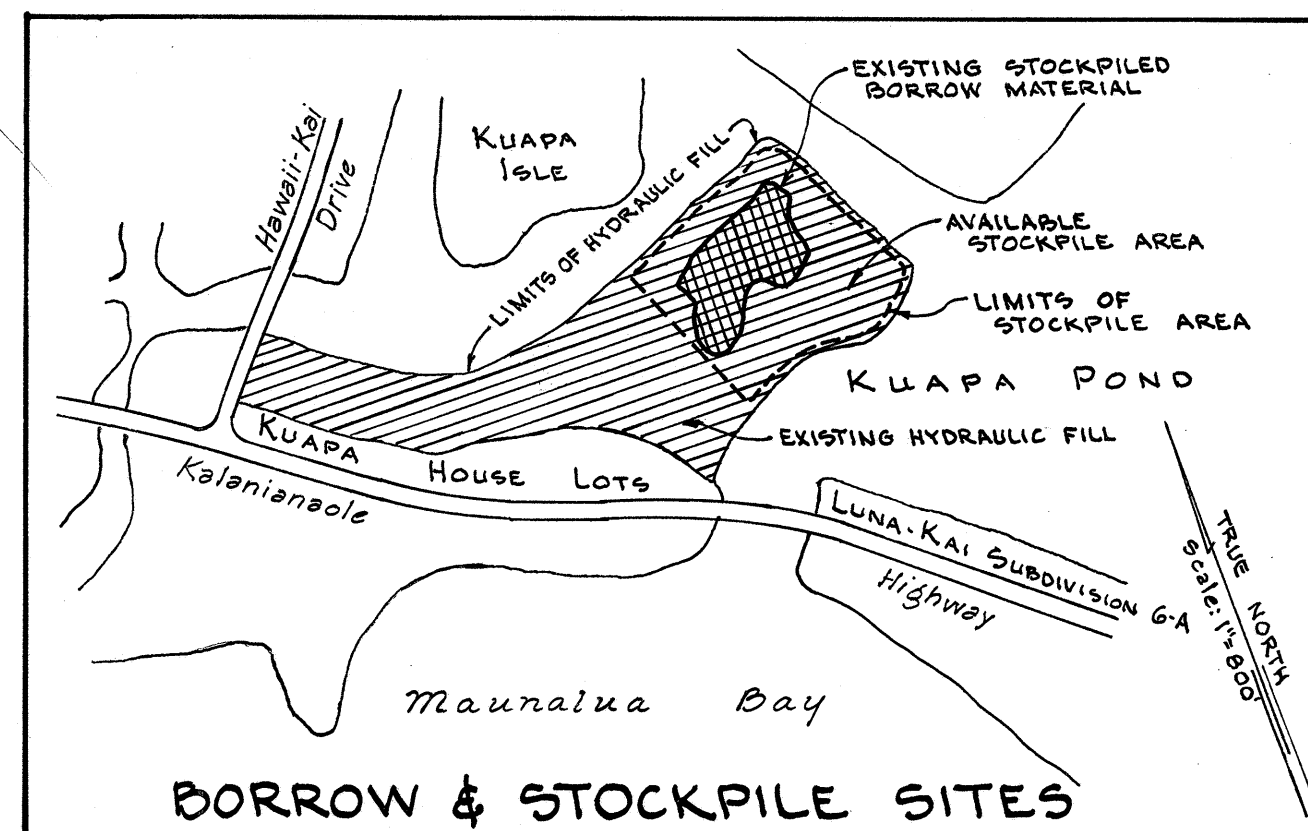
- Whenever any fill is to be made over any existing pavement, the Contractor shall first scarify and remove the pavement before placing any embankment or fill.
- Two way traffic shall be maintained at all times.
- Demolition of existing bridge shall be done only after existing utilities have been relocated and new finish pavement and new bridge are completed.
- Scarify and remove existing pavement and provide soil for shoulder grades.
- Access to all lots within project limits shall be maintained at all times.
- The minimum pavement structure shall be 4" of asphaltic concrete, 8" of base course and 2'-0" of select borrow for highway.
- Longitudinal drainage along Kalaniana'ole Highway to be maintained.
- The Contractor shall notify all existing utility owners 2 weeks prior to the commencement of work within the State Highway Right-of-Way.
- All existing utilities, whether or not shown on plans, shall be protected at all times by the Contractor during construction and any damages to existing utilities shall be repaired and paid for by the Contractor unless specified on plan, to be abandoned.
- Whenever connections to existing utilities are shown on plans, the Contractor shall expose the existing lines prior to the excavation of the main trenches to verify their location and depth.

WATER NOTES

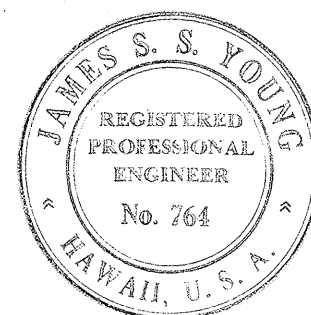
- All materials and construction of water mains and appurtenances shall be in accordance with the Board of Water Supply "Standards of Water System," dated April, 1963, and the Special provisions, unless otherwise specified below.
- All cast iron pipe, fittings and special castings shall be inspected and tested by the Robert W. Hunt Company, Law Engineering Testings Company, or other reputable testing engineers approved by the Engineer. Two copies of the certificate of test shall be furnished before delivery of pipe, fittings and special castings.
- Approval of these plans by the Board of Water Supply is based only on the adequacy of the water system facilities. All other features of the water system such as lines, grades, fittings, etc., shall be the responsibility of the Engineer who prepared the plans. Drainage and other features of this improvement are the responsibility of others.
- If the materials at the pipe invert are found to be unstable, appropriate measures shall be taken by the Engineer with the approval of the Board of Water Supply.
- Whenever connections to existing mains are shown on the plans, the Contractor shall expose the existing mains by hand excavation to verify their locations and depth, prior to excavating trenches for new mains. In the event that any changes in alignment or grade for the proposed water mains are required, the Engineer shall make the required changes with the approval of the B.W.S. Cost of these changes shall be borne by the Developer.
- Manholes in lieu of valve boxes shall be constructed over gate valves (whether shown on the plans or not) wherever the invert of the pipe is such that the distance from the finish grade of the pavement or ground to the top of the stem of the gate valve exceeds five (5) feet.
- Prior to final inspection, all fire hydrants shall be cleaned of all oil, grease, dirt or other loose material and shall then be painted with one coat of approved red lead and one coat of approved aluminum hydrant paint.
- Brickwalls for type 'B' manholes as called for in the plans shall be double brick constructed from the floor slab to 7 feet from the finish grade. (See type 'B' manhole details on sheet 8.)
- Asterisk (*) shown on the plans indicates work to be performed by the Board of Water Supply. Materials to be furnished by the Contractor.
- All "salvaged" materials shall be removed, cleaned and returned to the Board of Water Supply's Kalih'i Store Yard by the Contractor. The cost of loading, hauling and unloading the various "salvaged" materials shall not be paid for directly but shall be considered incidental to the various item in the bid.
- New 16 inch mains shall be installed and placed in service prior to cutting and plugging existing 12 inch main at any location.

EARTHWORK NOTES

- All earthwork quantities for roadway and channel work are based on the existing ground as taken by topographic survey in January 1967 and are in place quantities and do not reflect any allowance for shrinkage, swelling or settlement.
- The Contractor shall use his own discretion in arriving at the exact amount of fill material necessary to be hauled to the project site.
- No payment for any additional fill or excavated material will be made.



Note: Borrow material is stockpiled on the existing hydraulic fill. Hydraulic fill is NOT to be used as borrow material.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Young 8/31/67

REVISION	DATE	BRIEF	BY	APPR'D

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PROJECT NO. 72C-02-68

HAWAII-KAI MARINA BRIDGE & CHANNEL
MAUNALOA, OAHU, HAWAII.

GENERAL PLAN

DRAWN BY: J. Horio ENGINEER: J. Young

APPROVED BY:

DIRECTOR, DIV. OF ENGINEERING DATE: 7/21/67
CHIEF, ENGR. DIVISION, B.W.S.M.
DEPT. OF TRAFFIC
DIRECTOR, DIV. OF SEWERS DATE:

FILE	POCKET	FOLDER	NO.

REVISED IN ACCORDANCE WITH CONSTRUCTION RECORDS

SHEET 3 OF 31 SHEETS