

ORIGINAL PLAN	NOTE BOOK	NO.	DATE	SURVEY PLOTTED BY	DRAWN BY	DESIGNED BY	CHECKED BY	QUANTITIES BY

GRADING NOTES:

1. ALL GRADING WORK SHALL BE DONE IN ACCORDANCE WITH CHAPTER 23, GRADING, SOIL EROSION AND SEDIMENT CONTROL, OF THE REVISED ORDINANCES OF HONOLULU, 1978, AS AMENDED AND THE SOILS REPORT BY ERNEST K. HIRATA & ASSOC. DATED APRIL 21, 1991.
2. THE CONTRACTOR SHALL REMOVE ALL SILT AND DEBRIS RESULTING FROM HIS WORK AND DEPOSITED IN THE PROJECT AREA, DRAINAGE FACILITIES, ROADWAYS AND OTHER AREAS. THE COSTS INCURRED FOR ANY REMEDIAL ACTION BY THE CITY AND COUNTY OF HONOLULU SHALL BE PAYABLE BY THE CONTRACTOR AT NO ADDITIONAL COST.
3. THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL KEEP THE PROJECT AREA FREE FROM DUST NUISANCE. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLLUTION STANDARDS AND REGULATIONS OF THE STATE DEPARTMENT OF HEALTH.
4. ALL GRADING OPERATIONS SHALL BE PERFORMED IN 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.
5. ALL SLOPES AND EXPOSED AREAS SHALL BE SODDED OR PLANTED AS SOON AS FINAL GRADES HAVE BEEN ESTABLISHED. PLANTING SHALL NOT BE DELAYED UNTIL ALL GRADING WORK HAS BEEN COMPLETED.
6. GRADING TO FINAL GRADES SHALL BE CONTINUOUS, AND ANY AREA, WITHIN WHICH WORK HAS BEEN INTERRUPTED OR DELAYED, SHALL BE PLANTED.
7. THE CITY SHALL BE INFORMED OF THE LOCATION OF BORROW/DISPOSAL SITE FOR THE PROJECT WHEN THE APPLICATION FOR A GRADING PERMIT IS MADE. THE BORROW/DISPOSAL SITE MUST ALSO FULFILL THE REQUIREMENTS OF THE GRADING ORDINANCE.
8. NO GRADING WORK SHALL BE DONE ON SATURDAYS, SUNDAYS, AND HOLIDAYS AT ANY TIME WITHOUT PRIOR NOTICE TO THE CHIEF ENGINEER.
9. THE LIMITS OF GRADING AREAS SHALL BE FLAGGED BEFORE THE COMMENCEMENT OF GRADING.
10. TEMPORARY EROSION CONTROLS SHALL NOT BE REMOVED BEFORE PERMANENT EROSION CONTROLS ARE IN PLACE AND ESTABLISHED.
11. TEMPORARY EROSION CONTROL PROCEDURES SHALL BE SUBMITTED FOR APPROVAL PRIOR TO THE APPLICATION FOR A GRADING PERMIT.
12. FILLS ON SLOPES STEEPER THAN 5:1 SHALL BE KEYED.
13. BENCH MARK TO BE USED FOR THIS PROJECT IS SHOWN ON SHEET 6.
14. IF, DURING CONSTRUCTION, ANY PREVIOUSLY UNIDENTIFIED SITES OR REMAINS (SUCH AS ARTIFACTS, SHELLS, BONES OR CHARCOAL DEPOSITS, HUMAN BURIALS, ROCK OR CORAL ALIGNMENTS, PAVINGS OR WALLS) ARE ENCOUNTERED, THE CONTRACTOR SHALL STOP WORK AND CONTACT THE STATE HISTORIC SITES OFFICE (SHSO) IMMEDIATELY. WORK IN THE IMMEDIATE AREA SHALL BE STOPPED UNTIL THE SHSO IS ABLE TO ASSESS THE IMPACT AND MAKE FURTHER RECOMMENDATIONS FOR MITIGATIVE ACTIVITY.
15. THE UNDERGROUND PIPES, CABLES OR DUCT LINES KNOWN TO EXIST BY THE ENGINEER FROM HIS SEARCH OF RECORDS ARE INDICATED ON THE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF THE FACILITIES AND EXERCISE PROPER CARE IN EXCAVATING THE AREA. 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.

AREA TO BE GRADED: 1.88 ACRES.

TOTAL EXC. = 6,410 C.Y.  
TOTAL EMB. = 3,418 C.Y.

GENERAL NOTES ON SEWER SYSTEM CONSTRUCTION

1. ALL WORK ON THE SEWER SYSTEM SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION, SEPTEMBER 1984, AS AMENDED, AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, SEPTEMBER 1986, OF THE DEPARTMENT OF PUBLIC WORKS, CITY AND COUNTY OF HONOLULU.
2. ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, SHALL BE PROTECTED AT ALL TIMES BY THE CONTRACTOR UNLESS SPECIFIED ON THE PLANS TO BE ABANDONED.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-06-91	1991	2	12

STANDARD PLANS OF THE HIGHWAYS DIVISION,  
DEPARTMENT OF TRANSPORTATION, STATE OF HAWAII

THE STANDARD PLANS APPLICABLE TO THIS PROJECT ARE AS FOLLOWS:

STANDARD PLAN SUMMARY		
Standard Plan No.	Title	Date
B-01	NOTES AND MISCELLANEOUS DETAILS	07/01/86
B-03	TYPICAL STRUCTURE EXCAVATION AND BACKFILL PAY LIMITS	07/01/86
H-05	TYPE A, B AND C STORM DRAIN MANHOLE	07/01/86
H-08	CATCH BASIN AND MANHOLE CASTING	07/01/86

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION  
OF THE DEPT. OF PUBLIC WORKS, CITY & COUNTY OF HONOLULU

THE STANDARD DETAILS APPLICABLE TO THIS PROJECT ARE AS FOLLOWS:

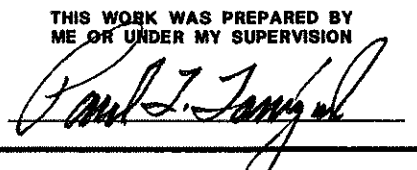
STANDARD PLAN SUMMARY		
Standard Det. No.	Title	Date
S-05	CONCRETE JACKET	09/84
S-13	PLAIN MANHOLE - PRE-CAST CONCRETE	09/84
S-21	PRE-CAST CONCRETE MANHOLE WALL	09/84
S-24	PRE-CAST CONCRETE MANHOLE WALL JOINTS	09/84
S-25	PRE-CAST CONCRETE MANHOLE - DETAIL AT TOP RUNG	09/84
S-31	MANHOLE COVER - TYPE SA	09/84
S-32	MANHOLE FRAME - TYPE SA	09/84
S-42	MANHOLE RUNG DETAILS - TYPE SA	09/84
S-45	TYPE SE MANHOLE RUNGS	09/84

PAUL T. TANIUCHI

REGISTERED  
PROFESSIONAL  
ENGINEER  
NO. 864-C

HAWAII, U.S.A.

THIS WORK WAS PREPARED BY  
ME OR UNDER MY SUPERVISION



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

GENERAL NOTES

KANEOHE BASE YARD, PHASE I  
GRADING, PAVING AND  
INSTALLATION OF UTILITIES  
PROJECT NO. HWY-0-06-91

SCALE: AS NOTED      DATE: 4/15/91

SHEET NO. 2 OF 12 SHEETS