

HYDROLOGIC CRITERIA

- One Hour Rainfall
Iso = 2.8 Inches
- Average Time Of Concentration
Tc = 10 Min.
- Correction Factor
C.F. = 2.3
- Intensity
Iso = 6.44 Inches
- Runoff Coefficient
C = 0.9 Rd. R/W

TRUE NORTH
SCALE: 1"=100'

UNITED STATES COAST GUARD

Future Drain
A = 75 Acs.
Q50 = 205 cfs

Future drainage Works
for this area to drain
towards drainage
easement.

DEPARTMENT OF
TRANSPORTATION

For continuation,
See below

MATSON CONTAINER YARD

D.I.#2
A = 0.31
Q = 1.80

D.I.#4
A = 0.28 AC
Q = 1.60 Cfs

D.I.#1
A = 1.0 AC
Q = 5.7 Cfs

D.I.#3
A = 0.42 AC
Q = 2.40 Cfs

D.I.#5
A = 0.23 AC
Q = 1.30 Cfs

D.I.#7
A = 0.71 AC
Q = 4.12 Cfs

Temporary Outlet
A = 2.51 Acs
Q = 14.60 Cfs

Culvert
See Det
G/C16

STP Boundary

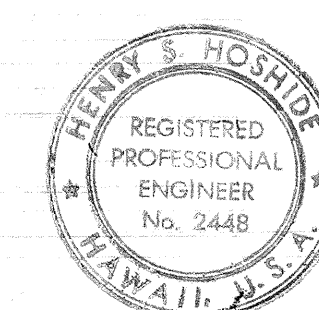
SEWAGE TREATMENT PLANT

NEW PUMP
STATION

Scope of this design: Provide temporary drainage
for Parkway with temporary connections to existing
moat.

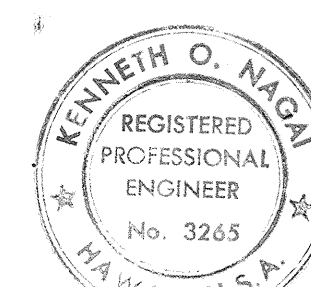
The temporary system is based on drainage master
plan previously developed by R.M. Towill for D.L.N.R. with
the following exception.

- The drainage area for system reduced. Container
yard area previously included has been graded to drain
directly into Honolulu Harbor via a separate outlet.
- Trunkline of system placed on the makai side instead
of mauka side as previously developed for the following
reasons.
 - Less chance of conflict with electrical and telephone duct-
lines which are to be installed on the mauka side (at future
time)
 - More conducive to incrementation. Culverts installed under
this design will be sloping toward moat.
 - Eliminate at least two large culvert crossings.
 - Eliminates the need to install culvert at 60+10. It is better
to be design and installed culvert at a future date since
it serves future land use.



APPROVED:
7/28/80
CHIEF DIV. OF ENGR. & ARCHT.
(FOR GRADING ONLY)
B. Luyam
CHIEF DIV. OF WASTEWATER
MANAGEMENT
5/7/80
CHIEF HIGHWAYS DIVISION
7/28/80
CHIEF PLANNING &
ENGINEERING, B.W.S.

WILSON OKAMOTO & ASSOC.
ENGINEERS-ARCHITECTS-PLANNERS
HONOLULU HAWAII



THIS WORK WAS PREPARED BY
MEOR UNDER MY SUPERVISION.
Signature
Date

SYMBOL	DESCRIPTION	DATE	APP'D
CHANGED D.I. TO A.C. 8" TO 16" PIPE W.L.			BWS
REVISIONS			
STATE OF HAWAII			
DEPARTMENT OF LAND AND NATURAL RESOURCES			
DIVISION OF WATER AND LAND DEVELOPMENT			
SAND ISLAND PARKWAY INCREMENT II, PHASE I			
& SEWAGE PUMP STATION			
SAND ISLAND, OAHU, HAWAII			
GENERAL PLAN			
DESIGNED: K.N.R.	SUBMITTED: 7/28/80	CHIEF DESIGN & CONSTR. ENGINEER	
DRAWN: K.N.	DATE: 5/21/80	MANAGER-CHIEF ENGINEER	
CHECKED: K.N. H.	DATE: 5/21/80	FILE NO.	
APPROVED: Robert H. Chudick	DATE: 5/21/80		

As Built

JOB NO. 46-OL-17 SHEET NO. C-3 OF 78 SHEETS