

KEY MAP
NOT TO SCALE

- LEGEND**
- 1B Top Bank
 - 1BS Bottom Bank
 - 1C Top Curb
 - B/C Bottom Curb
 - 1/N Top Nail
 - B/N Bottom Nail
 - A/C Asphalt Concrete
 - CB Catch Basin
 - CC Concrete Column
 - DI Drain Inlet
 - GP Guard Post
 - HE-MH Hawaiian Electric Manhole
 - HTE-MH Hawaiian Telephone Manhole
 - HVP High Voltage Pole
 - LD Loop Detector
 - LP Lamp Post
 - SDMH Storm Drain Manhole
 - SLB Signal Light Box
 - SLP Signal Light Pole
 - STLB Street Light Box
 - SP Sign Post
 - SV Sprinkler Valve
 - SVB Sprinkler Valve Box
 - T/CB Traffic Control Box
 - TP Top of Pipe
 - TV Top of Valve
 - UB Utility Box
 - WM Water Meter
 - WV Water Valve
 - VE-24.9 Top of Column Elevation
 - * Sprinkler
 - Gas Line
 - SFM Sewer Force Main
 - O-E Overhead Electric Line
 - U-E Undergroud Electric Cable
 - U-T Undergroud Telephone Cable
 - W-L Water Line
 - Denotes no Access Permitted
 - Denotes Limited Access as Noted on Plan
 - Conc. Footing (Underground)

- 12.0 FINISH SPOT ELEVATION
- LIMITS OF LIGHT WEIGHT FILL
- APPROXIMATE LOCATION OF SURVEY GAGES
- LIMITS OF GRADING AND CONTRACT ZONE LIMITS

PIER NO.	PILE CAP DIMENSIONS (FT. X FT.)	TOP PILE CAP ELEV. (APPROX.)	LIMIT OF LIGHT WT. FILL FROM PILE CAP
H13	23.5' X 23.5'	6.7	11
H14	23.5' X 23.5'	5.7	11
H15	23.5' X 23.5'	4.2	11
HE13	23.5' X 23.5'	4.7	10
HE14	23.5' X 23.5'	5.2	9
A18	23.5' X 17'	3.7	10
A19	23.5' X 17'	1.2	12
G2	17' X 17'	7.7	10
G3	17' X 17'	6.7	11
G4	17' X 17'	6.7	10
G5	17' X 17'	5.2	11

EARTHWORK SUMMARY

- EXCAVATION = 4,900 CUBIC YARDS
- EMBANKMENT = 350 CUBIC YARDS
- AREA TO BE GRADED = 2.952 ACRES

NOTES:

- QUANTITIES SHOWN ARE FOR PERMIT PURPOSES ONLY AND SHALL NOT BE USED FOR BIDDING PURPOSES.
- CONTRACTOR SHALL BE RESPONSIBLE TO COMPLETE THE GRADING WORK TO THE GRADES AND DIMENSIONS SHOWN ON THE PLANS.
 - IF IMPORTED MATERIALS ARE REQUIRED TO OBTAIN FINISH GRADES, CONTRACTOR IS REQUIRED TO IMPORT SUITABLE MATERIAL AS SPECIFIED AT THE CONTRACTOR'S EXPENSE.
 - IF EXCAVATION MATERIALS ARE IN EXCESS, THE CONTRACTOR SHALL BE REQUIRED TO DISPOSE OF MATERIAL AWAY FROM PROJECT SITE AT THE CONTRACTOR'S EXPENSE, UNLESS OTHERWISE SPECIFIED.

NOTE:
DIMENSIONS AND ELEVATIONS ARE APPROXIMATE. CONTRACTOR SHALL TAKE DUE CARE TO LOCATE AND PROTECT THE PILE CAP AND PIER.

GRAPHIC SCALE IN FEET

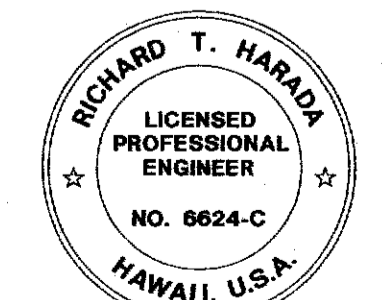


GRADING PLAN - 1

SCALE: 1"=20'

APPROVED:

CHIEF, CIVIL ENGINEERING BRANCH, D.P.P. CITY AND COUNTY OF HONOLULU



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

DATE: 12/15/01

SEE SHEET C4.2 MATCH LINE

REVISION	DATE	DESCRIPTION	BY	CHKD	APP'D
1	1/13/02	POST CONTRACT DRAWING NO. 2: DEL. POR. OF SIDEWALK AT OFFICE AND LOCKER ROOM BLDGS.	WDA	WY	WY
2	12/17/01	POST CONTRACT DRAWING NO. 2 DELETED PHASING NOTE, ECP ITEMS; REV. SHI. NO.			7/3
3	7/17/01	POST CONTRACT DRAWING NO. 1 ADD LIMITS OF LT. WT. FILL/TABLE; REV. BLDGS.; REV. GRADING			7/15
4	12/17/99	ADDENDUM NO. 1 REVISED PROPOSED BUILDING FOOTPRINT			

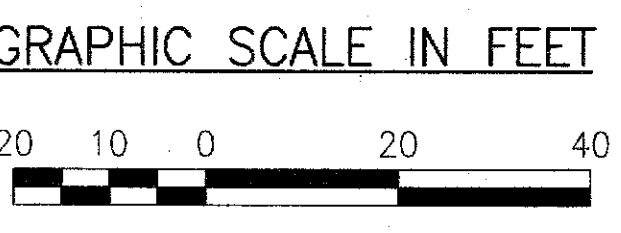
DEPARTMENT OF DESIGN & CONSTRUCTION
CITY & COUNTY OF HONOLULU

KEWALO CORPORATION YARD RELOCATION-PHASE IIIA
KEEHI BASEYARD - SITE IMPROVEMENTS & INFRASTRUCTURE
HONOLULU, OAHU, HAWAII

GRADING PLAN - 1

DESIGN: SAK, RTH	<p>WILSON OKAMOTO & ASSOCIATES, INC. ENGINEERS • PLANNERS 1907 S. Beretania St. Suite 400 Honolulu, Hawaii Ph. 946-2277</p>	C4.3
DRAWN: STK		R-3
CHECKED: RTH, DS		SHEET 10
DATE: DEC 1999		OF 26 SHEETS

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GRADING PLAN - 2

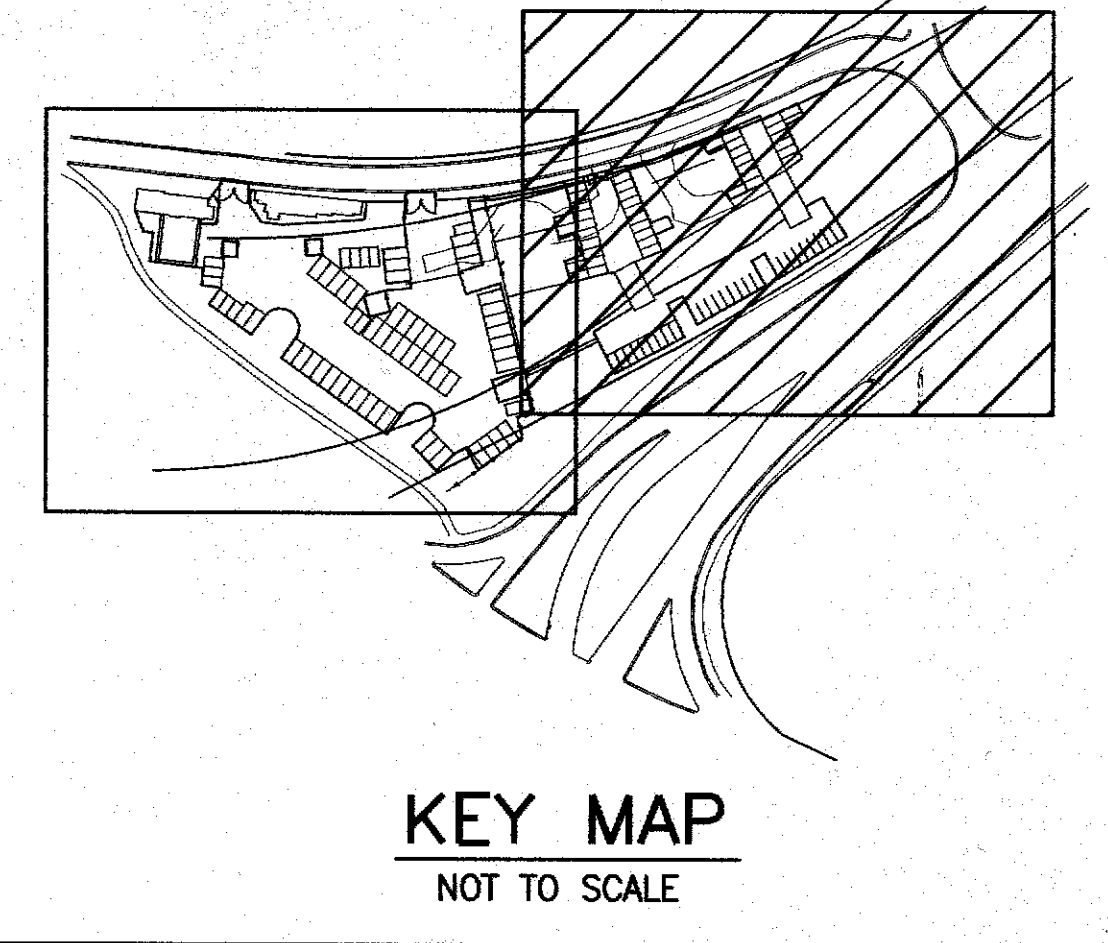
SCALE: 1"=20'

APPROVED:

M. J. ... 12/5/01
CHIEF, CIVIL ENGINEERING BRANCH, D.P.P. DATE
CITY AND COUNTY OF HONOLULU



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION
Richard T. Harada

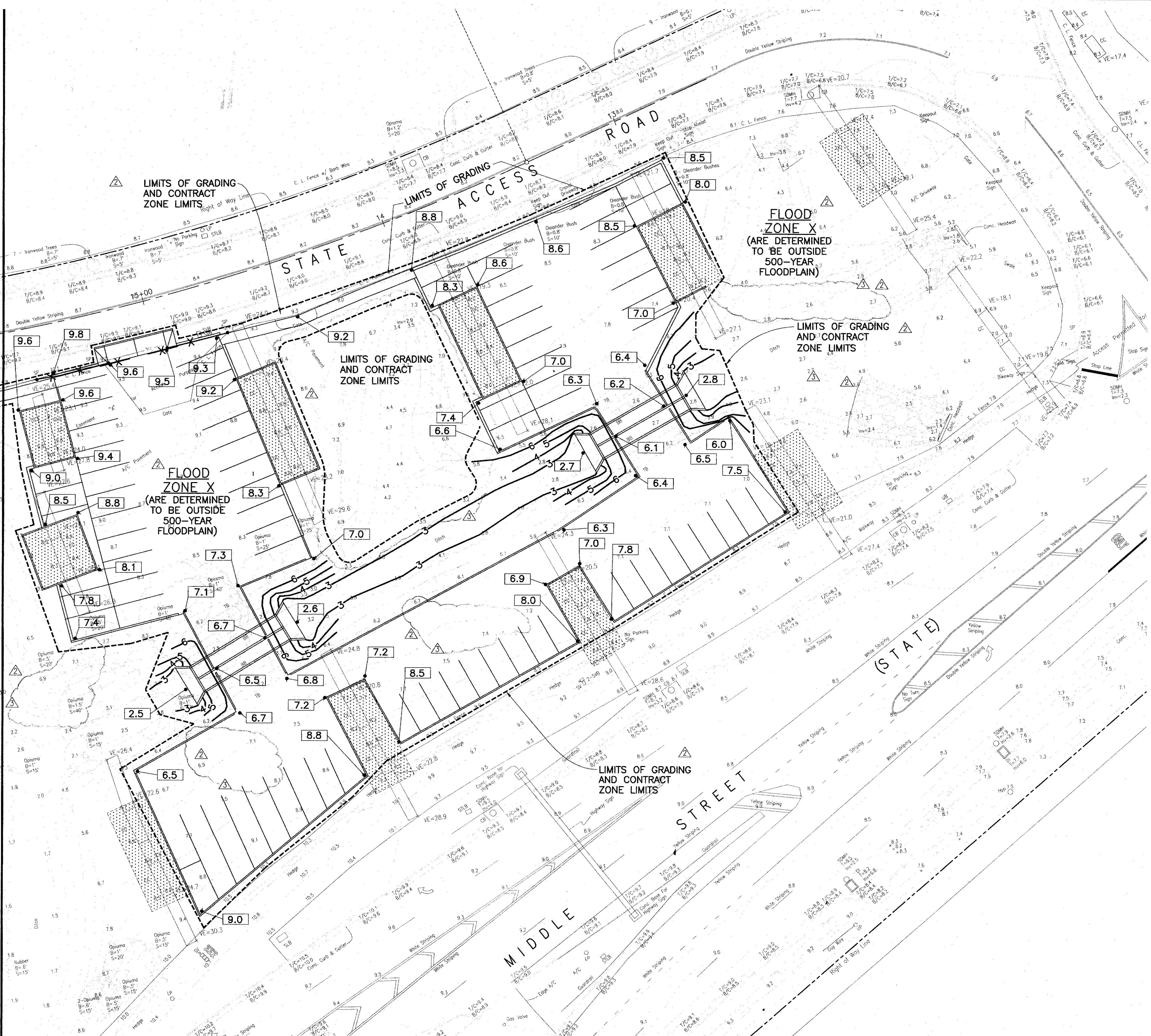


TRUE NORTH
SCALE: 1" = 20'

LEGEND

- TB Top Bank
- BB Bottom Bank
- T/C Top Curb
- B/C Bottom Curb
- TM Top Mill
- BM Bottom Mill
- AVC Asphalt Concrete
- CB Catch Basin
- CC Concrete Column
- DI Drain Inlet
- GP Guard Post
- HEMH Hawaiian Electric Manhole
- HTMH Hawaiian Telephone Manhole
- HVP High Voltage Pole
- LD Loop Detector
- LP Lamp Post
- SDMH Storm Drain Manhole
- SLB Signal Light Box
- SLP Signal Light Pole
- STLB Street Light Box
- SP Sign Post
- SV Sprinkler Valve
- SVB Sprinkler Valve Box
- TGB Traffic Control Box
- TP Top of Pipe
- TV Top of Valve
- UB Utility Box
- WM Water Meter
- WV Water Valve
- VE=24.9 Top of Column Elevation
- X Sprinkler
- G Gas Line
- SFM 24" Sewer Force Main
- O/E Overhead Electric Line
- UE Underground Electric Cable
- UT Underground Telephone Cable
- W 42" Water Line
- Denotes no Access Permitted
- Denotes Limited Access as Noted on Plan
- Conc. Footing (Underground)
- 12.0 FINISH SPOT ELEVATION
- LIMITS OF GRADING AND CONTRACT ZONE LIMITS

SEE SHEET C4.1
MATCH LINE



17/9/02	POST CONTRACT DRAWING NO. 2 DELETED PHASING NOTE, ECP ITEMS; REV. SHT. NO.	08	cy
9/17/01	POST CONTRACT DRAWING NO. 1 REV. LEGEND; REV. LIMITS OF GRADING; ADD NOTE; ADD CEB APPROV.	05	
REVISION	DATE	SHT. NO.	APPROVED

DEPARTMENT OF DESIGN & CONSTRUCTION
CITY & COUNTY OF HONOLULU
KEWALO CORPORATION YARD RELOCATION-PHASE IIIA
KEEHI BASEYARD - SITE IMPROVEMENTS & INFRASTRUCTURE
HONOLULU, OAHU, HAWAII

GRADING PLAN - 2

DESIGN: SAK, RTH		C4.4 R-3 SHEET 11 OF 26 SHEETS	
DRAWN: STK			
CHECKED: RTH, DS			
DATE: DEC 1999			
PROJECT NO. VI-56-99-C	FILE	DRAW	FOLDER