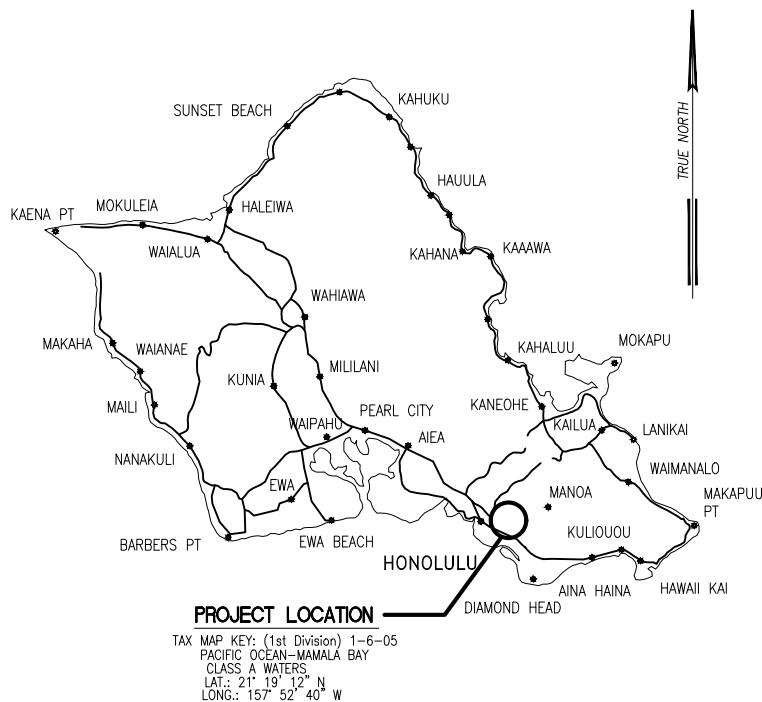
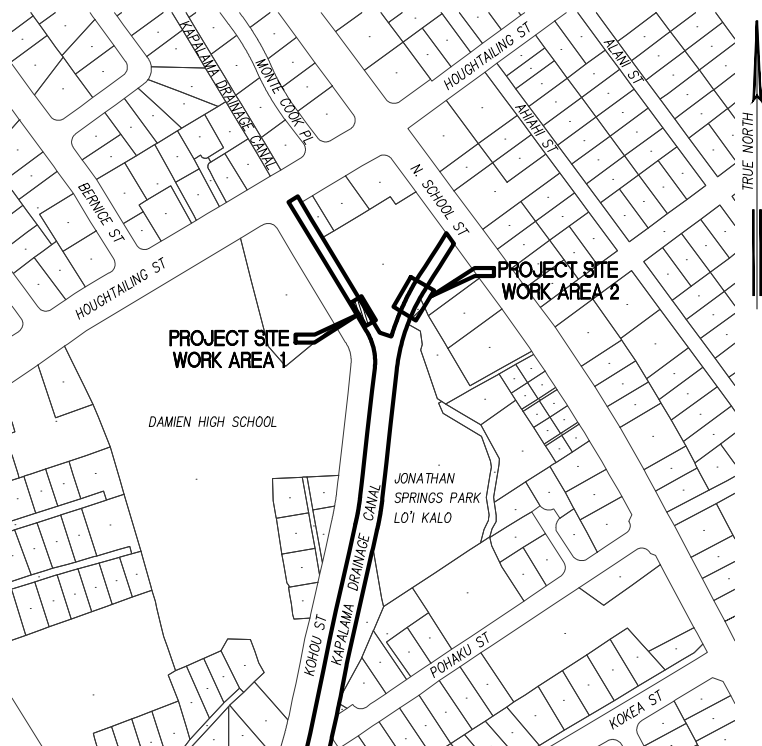




VICINITY MAP

NOT TO SCALE



LOCATION MAP

SCALE: 1" = 400'

CADD:
700-01

SCALE:
SCALE AS SHOWN

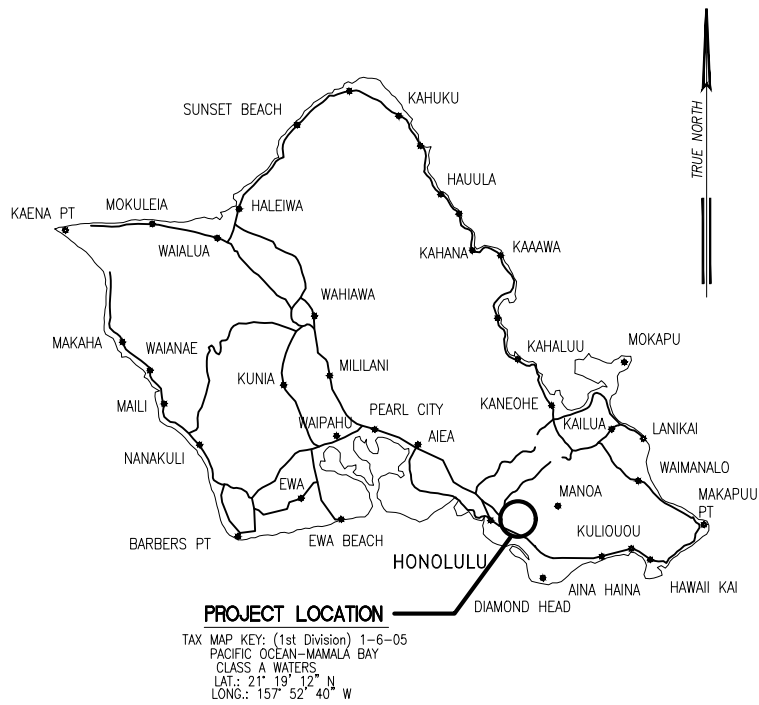
DATE:
SEPT. 2024

Bills Engineering Inc.
 Civil/Environmental Engineering
 2153 N. King St., Suite 200
 Honolulu, HI 96813

RESTORATION OF KAPALAMA STREAM
 CRM CHANNEL WALLS
 HONOLULU, OAHU, HAWAII

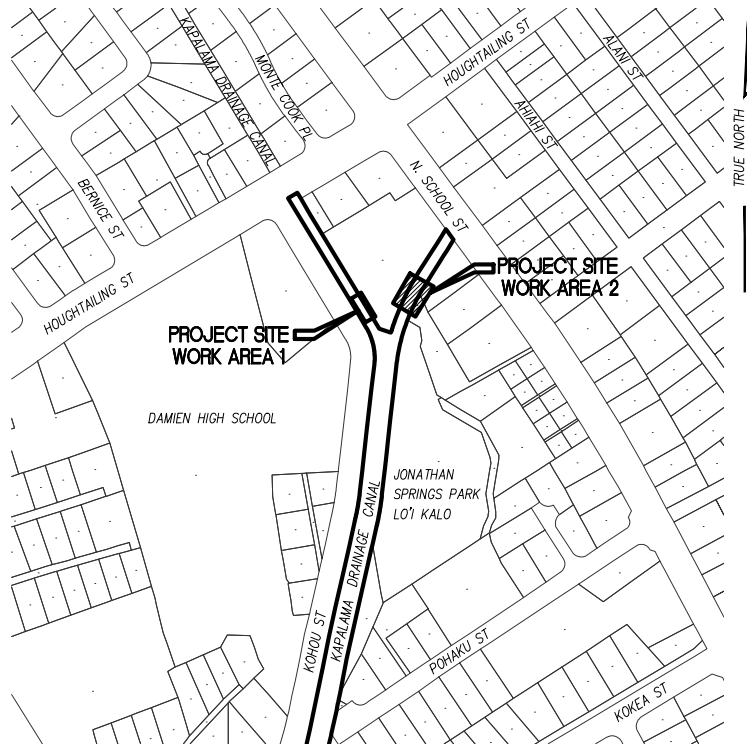
VICINITY AND LOCATION MAP
 WORK AREA 1

EXHIBIT
A1



VICINITY MAP

NOT TO SCALE



LOCATION MAP

SCALE: 1" = 400'

CADD:
700-01

SCALE:
SCALE AS SHOWN

DATE:
SEPT. 2024

Bills Engineering Inc.
 Civil/Environmental Engineering
 2153 N. King St., Suite 200
 Honolulu, HI 96813

RESTORATION OF KAPALAMA STREAM
 CRM CHANNEL WALLS
 HONOLULU, OAHU, HAWAII

VICINITY AND LOCATION MAP
 WORK AREA 2

EXHIBIT
A1

3078.7 - 5 "Mokuaea"
11.71 - E
City & County St. Mon. 2-10

SEP 13 1963
MAR 27 1965

KAPALAMA

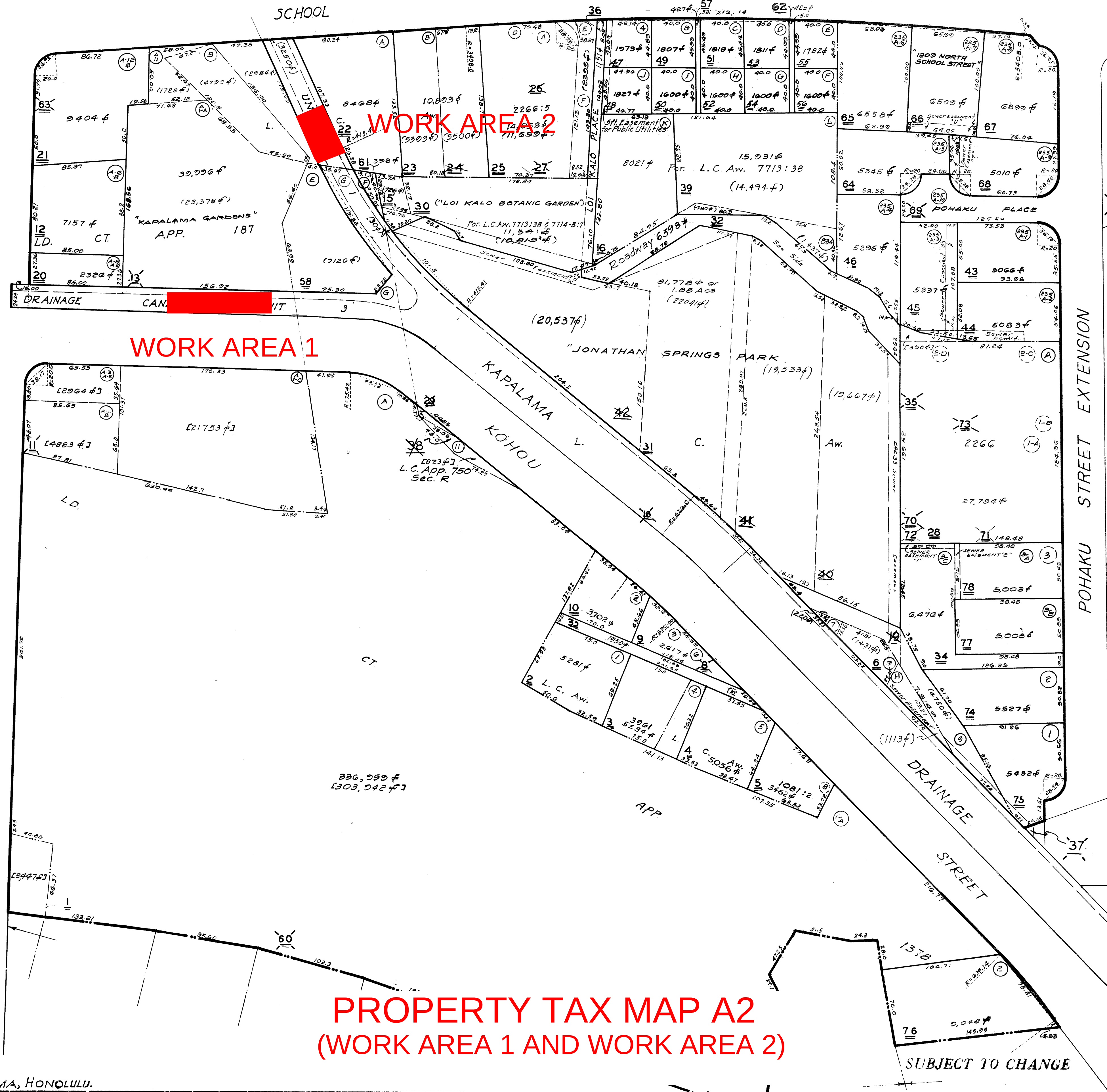
PLAT 25

BERNICE ST.

BUCK ST.

Dwg. No.: 1300 - (Retraced)
Source: Tax Maps Bureau & Ld. Ct. Apprs. 187, 270, 250, 544, 812, 1083 & 1150
By: I.K.H. - Dec. 1939.

HOUGHTAILING STREET



STREET

True North
1° 50'

POHAKU STREET EXTENSION

PLAT 06

PROPERTY TAX MAP A2
(WORK AREA 1 AND WORK AREA 2)

SUBJECT TO CHANGE

35, 73, 70, 15,
Dropped Parcels 7, 8, 40, 41, 42, 18,
3817, 19, 38, 13, 20, 59, 60, 43,
11, 35, 71, 72, 44, 45, 20, 86, 21, 45, 69

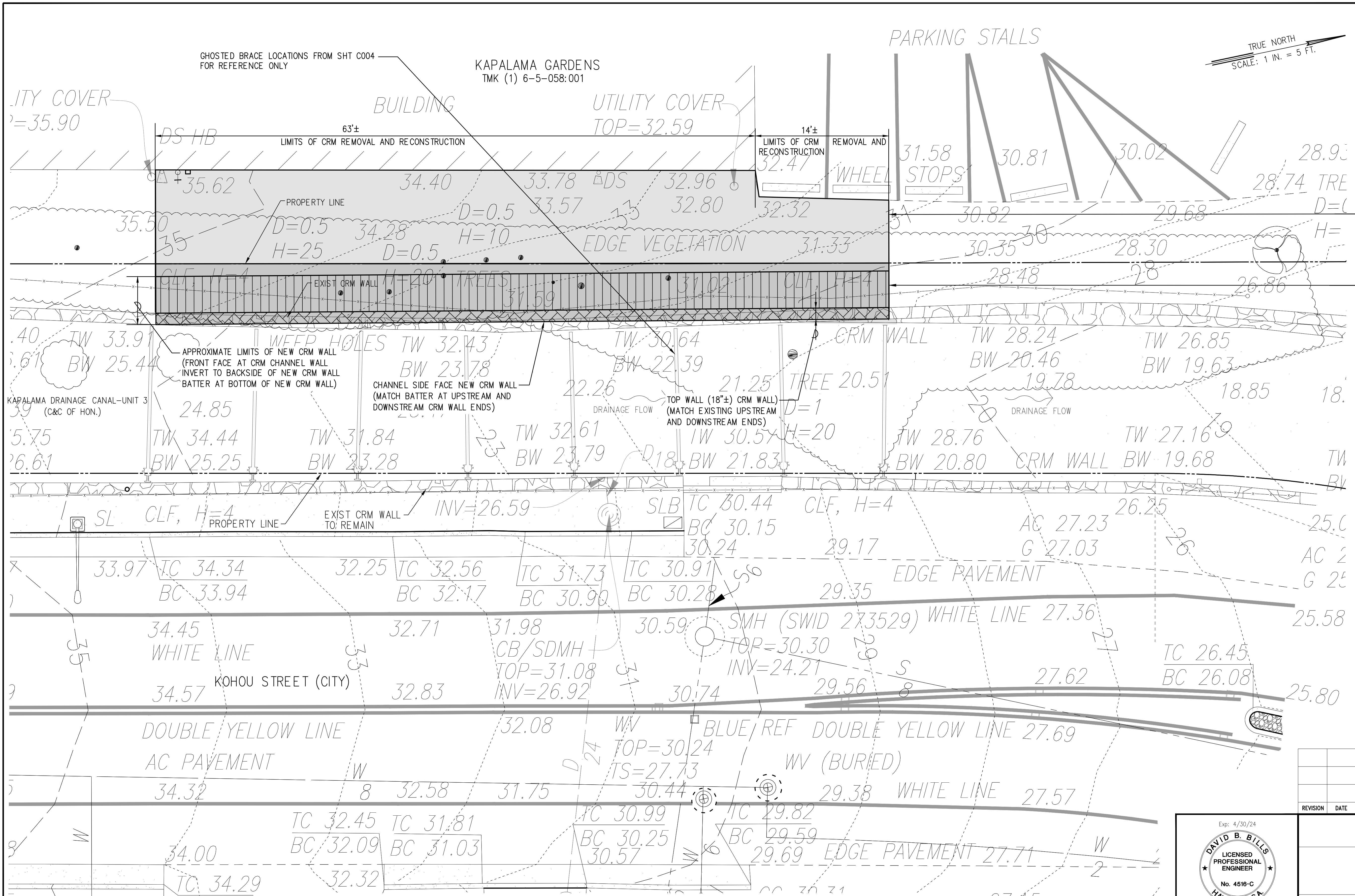
TAXATION MAPS BUREAU
STATE OF HAWAII
TAX MAP

FIRST	DISTRICT
ZONE	SEC.
1	6

CONTAINING PARCELS
SCALE: 1 in. = 50 ft.

PRINTED

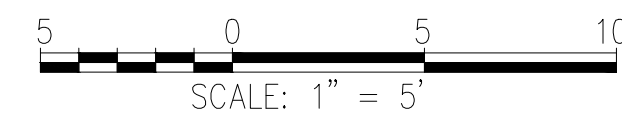
Wed, 29 Nov 2023 - 2:00pm
\\A\Projects\700-01 KAPALAMA PERMANENT REPAIRS (AREA 1 AND 2)\Cost Plans Restoration\AREA 1\700-01 C005 RESTORATION SITE PLAN - Work Area 1.dwg



- WORK AREA NOTES KAPALAMA GARDENS SIDE OF CHANNEL
1. PROJECT WORK AREA IN TMK (1) 6-5-058:001 (BY MEANS OF CITY OBTAINED TEMPORARY RIGHT OF ENTRY AND CONSTRUCTION) FOR CONCRETE RUBBLE MASONRY STONE STORAGE PRIOR TO CRM WALL RE-CONSTRUCTION AND SORTING TO FIND SUITABLE ROCK (QUALITY AND QUANTITY) NEEDED AT CRM WALL RESTORATION AT WORK AREA 2)
 2. PROJECT WORK AREA IN CITY AND COUNTY OF HONOLULU DRAINAGE EASEMENT FOR CONCRETE RUBBLE MASONRY STONE STORAGE PRIOR TO CRM WALL RE-CONSTRUCTION AND SORTING TO FIND SUITABLE ROCK (QUALITY AND QUANTITY) NEEDED AT CRM WALL RESTORATION AT WORK AREA 2)

TOPOGRAPHIC MAP AND SITE PLAN - A3 (WORK AREA 1)

RESTORATION SITE PLAN - WORK AREA 1



APPROVED:

CHIEF, CIVIL ENGINEERING BRANCH, DPP

Exp: 4/30/24

DAVID B. BILLS

LICENSED PROFESSIONAL ENGINEER

No. 4516-C

HAWAII, USA

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

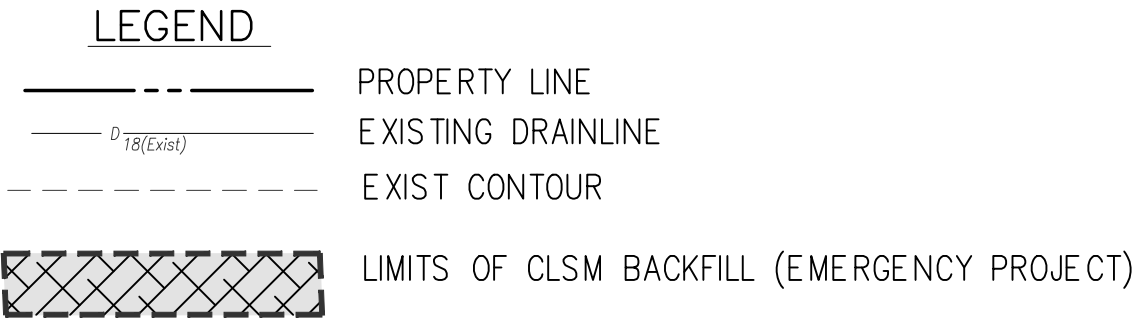
Signature

Bills Engineering Inc.

Civil/Environmental Engineering

100 Fort Street 3rd Fl. • Honolulu, HI 96813

REVISION	DATE	DESCRIPTION	ENGR.	APPROVED
DEPARTMENT OF DESIGN AND CONSTRUCTION CITY AND COUNTY OF HONOLULU CIVIL DIVISION				
RESTORATION OF KAPALAMA STREAM CRM CHANNEL WALLS - Work Area 1 at Kohou Street Honolulu, Oahu, Hawaii				
RESTORATION SITE PLAN - WORK AREA 1				
DESIGN: DB	APPROVED:		DRAWING NO. C005	
DRAWN: RE	CHIEF, CIVIL DIVISION, DPP		SHEET 6	
CHECKED: DB	DATE: 2023		OF SHEETS	
JOB NO. xx-xx	FILE		DRAW FOLDER NUMBER	



GUEST PARKING HOURS: 6:00am-9:00pm
NO PARKING HOURS: 9:00pm- 6:00am
PASS REQUIRED FOR OVERNIGHT

SCALE: 1" = 5'

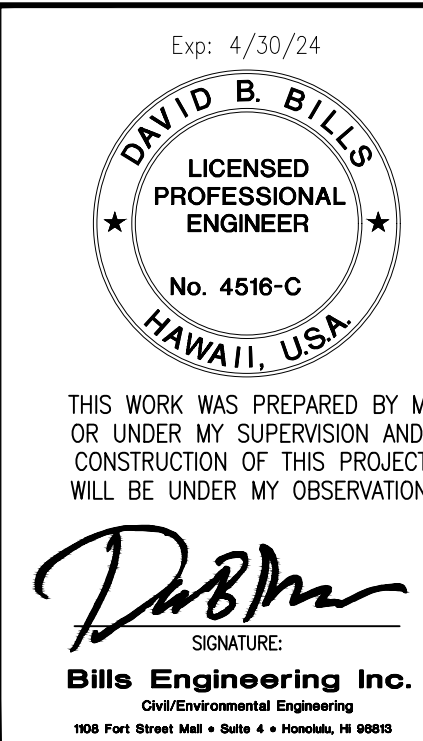
REVISION	DATE	DESCRIPTION	ENGR.	APPROVED

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU
CIVIL DIVISION

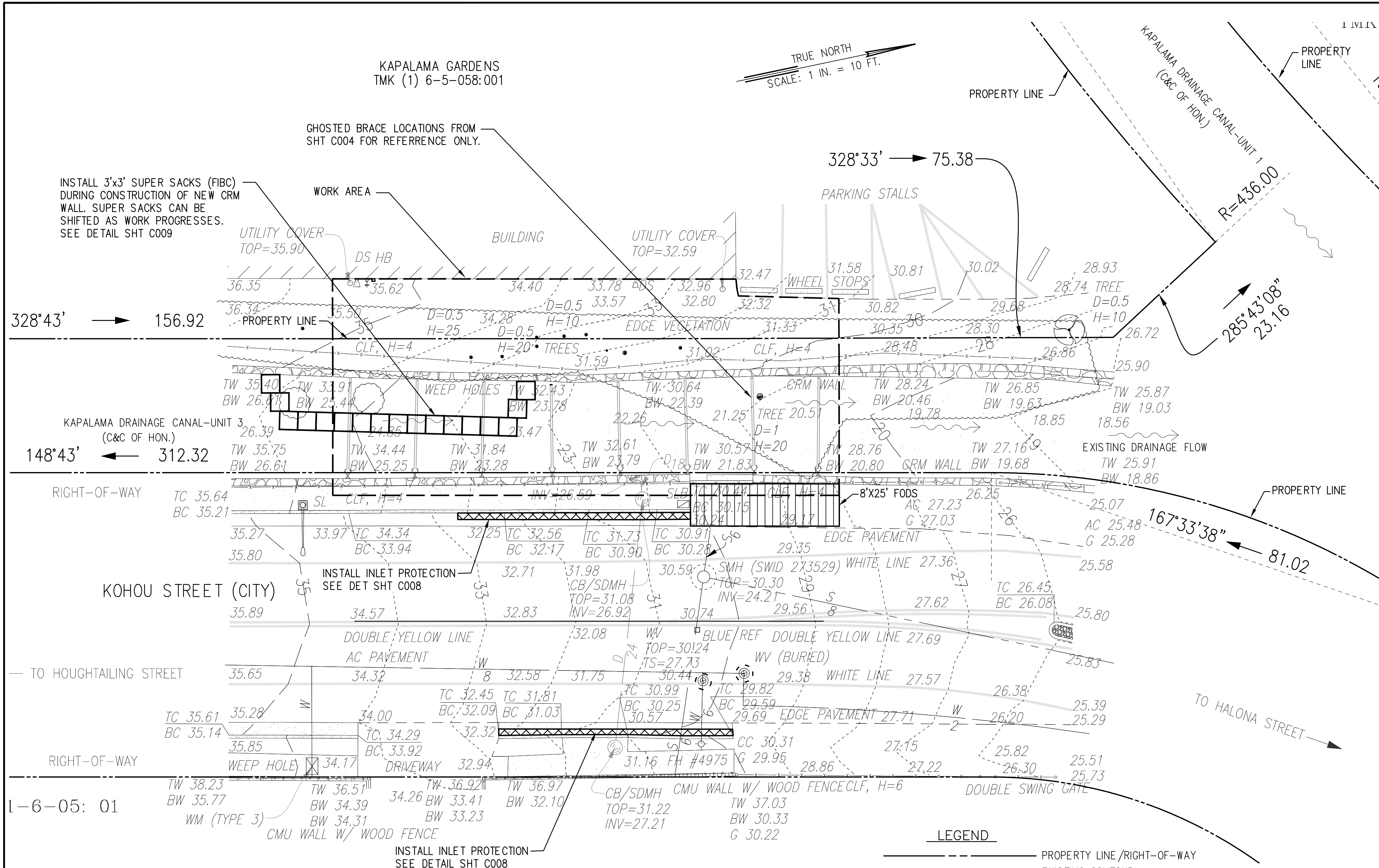
RESTORATION OF KAPALAMA STREAM
CRM CHANNEL WALLS - Work Area 2
at 1325 N. School Street
Honolulu, Oahu, Hawaii

RESTORATION SITE PLAN - AREA 2

DESIGN: DB		APPROVED:		DRAWING NO.		
DRAWN: RE				C005		
CHECKED: DB						
DATE: 2023				CHIEF, CIVIL DIVISION, DDC		DATE
JOB NO. xx-xx			FILE	DRAW	FOLDER	NUMBER
						OF . SHEETS



Wed, 29 Nov 2023 - 7:54am
\\N:\Projects\700-01 KAPALAMA PERMANENT REPAIRS (AREA 1 AND 2)\Cost Plans Restoration\AREA 1\700-01 C007 ESC PLAN - 1 Work Area 1.dwg



- NOTES:
- FOR CONTRACTOR ACCESS SEE GENERAL PLAN DRAWING NO. C003.
 - ALL EXISTING LANDSCAPING, FENCES & WALLS MAY NOT BE REFLECTED ON THE PLANS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS. WITH REPLACEMENT TO CONDITIONS PRIOR TO CONSTRUCTION OR BETTER AS DETERMINED BY THE OFFICER-IN-CHARGE.
 - THIS SECTION OF KAPALAMA CHANNEL IS QUITE OFTEN DRY. TIMING OF REMOVAL WORK COINCIDING WITH DRY CHANNEL PERIODS IS RECOMMENDED.

- LEGEND
- PROPERTY LINE / RIGHT-OF-WAY
 - EXISTING CONTOUR
 - LIMITS OF DISTURBANCE
 - SPOT ELEVATION
 - EXISTING DRAINAGE FLOW
 - EXISTING DRAINLINE
 - CONSTRUCTION WORK AREA
 - SUPER SACKS IN CHANNEL*
 - INLET PROTECTION/FILTER SOCK
 - 8'X25' FODS

* SUPER SACKS IN CHANNEL SHALL NOT HAVE MULCH OR ANY LEACHABLE MATERIAL. CLEAN AND WASHED AGGREGATE WITH 3/4-INCH NOMINAL OR EQUAL IS AN ACCEPTABLE SUPER SACK FILLER.

PLACE FODS (8'X25') FOR TEMPORARY STABILIZED ENTRANCE OVER GRASSED AREA AND EDGE OF PAVEMENT (SEE DETAIL SHT C008)

BEST MANAGEMENT PRACTICES FOR THIS PROJECT ARE:

DURING CONSTRUCTION

- CONTRACTOR SHALL ALLOW ADJACENT LOT OWNERS ACCESS TO DRIVEWAYS AT ALL TIMES.
- RELOCATE, RECONSTRUCT AND MAINTAIN BMPS AS NEEDED TO KEEP THEM EFFECTIVE AT ALL TIMES.
- PROCEED WITH CONSTRUCTION WITH LEAST POSSIBLE DISTURBANCE OF VEGETATIVE AREAS AND STRUCTURES.
- REMOVE OR DISMANTLE TEMPORARY EROSION AND SEDIMENT CONTROL BMPS AFTER CONSTRUCTION OF LINING & WALL ARE COMPLETE.
- PRACTICE GOOD HOUSEKEEPING MEASURES THROUGHOUT THE DURATION OF CONSTRUCTION.
- INSPECTIONS SHALL BE PERFORMED WEEKLY.
- RECONSTRUCT WALLS, NON-BRACED WALLS AND REINSTALL LANDSCAPING AS REQUIRED TO MATCH EXISTING CONDITIONS OR BETTER IF DISTURBED DURING CONSTRUCTION.

EMERGENCY BRACING REMOVAL NOTE:

- ALL SCREW JACKS, SUPPORT BRACES, BRACE PLATES SHALL BE REMOVED FROM THE CHANNEL AND ARE PROPERTY OF THE CITY. COORDINATE WITH OFFICER-IN-CHARGE.
- THE ROAD PLATES INSTALLED DURING EMERGENCY REPAIR WORK WERE RENTED BY ROYAL CONTRACTING CO. LTD. WHEN SUITABLE FOR PROJECT SITE REMOVAL (DISMANTLED AND STORED AT THE WORK SITE) CONTACT ROYAL CONTRACTING AT (808-839-9006).

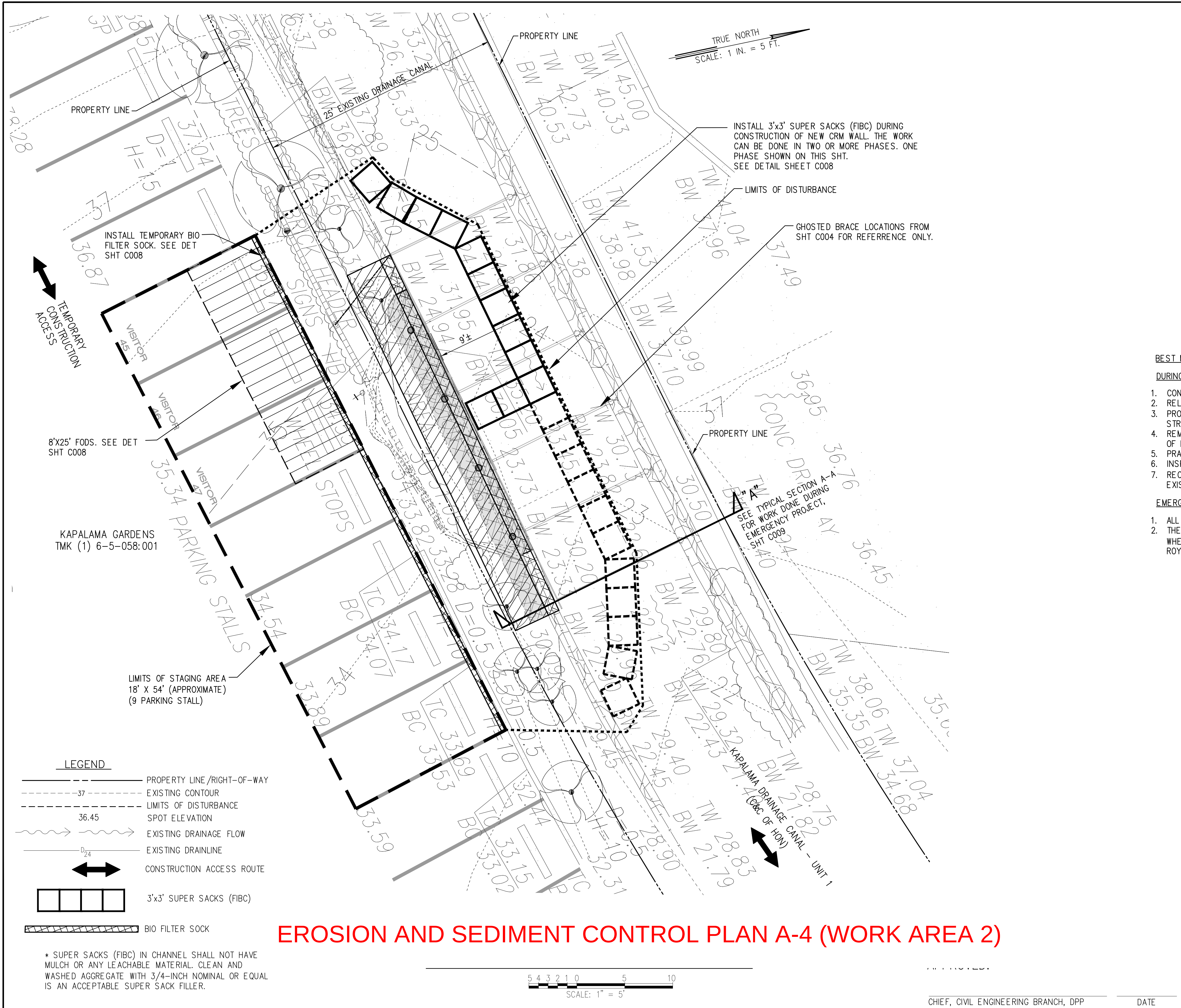
REVISION	DATE	DESCRIPTION	ENGR.	APPROVED

Exp: 4/30/24 DAVID B. BILLS LICENSED PROFESSIONAL ENGINEER No. 4516-C HAWAII, USA THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. SIGNATURE: Bill's Engineering Inc. Civil/Environmental Engineering 1100 Fort Street Mall • Suite 4 • Honolulu, HI 96813		DEPARTMENT OF DESIGN AND CONSTRUCTION CITY AND COUNTY OF HONOLULU CIVIL DIVISION RESTORATION OF KAPALAMA STREAM CRM CHANNEL WALLS - Work Area 1 at Kohou Street Honolulu, Oahu, Hawaii EROSION AND SEDIMENT CONTROL PLAN - 1 WORK AREA 1 TO REMOVE EMERGENCY REPAIR MATERIALS DESIGN: DB DRAWN: RE CHECKED: DB DATE: 2023 APPROVED: CHEIF, CIVIL DIVISION, DDC DATE DRAWING NO. C007 SHEET 8 OF SHEETS JOB NO. xx-xx FILE DRAW FOLDER NUMBER	
---	--	---	--

EROSION AND SEDIMENT CONTROL PLAN A-4 (WORK AREA 1)

10 5 0 10 20
SCALE: 1" = 10'

Wed, 29 Nov 2023 - 1:30pm
\\N:\Projects\700-01 KAPALAMA PERMANENT REPAIRS (AREA 1 AND 2)\Cost Plans Restoration\AREA 2\700-01 C007 ESC PLAN - 2 Work Area 2.dwg



BEST MANAGEMENT PRACTICES FOR THIS PROJECT ARE:

DURING CONSTRUCTION

1. CONTRACTOR SHALL ALLOW ADJACENT LOT OWNERS ACCESS TO DRIVEWAYS AT ALL TIMES.
2. RELOCATE, RECONSTRUCT AND MAINTAIN BMPS AS NEEDED TO KEEP THEM EFFECTIVE AT ALL TIMES.
3. PROCEED WITH CONSTRUCTION WITH LEAST POSSIBLE DISTURBANCE OF VEGETATIVE AREAS AND STRUCTURES.
4. REMOVE OR DISMANTLE TEMPORARY EROSION AND SEDIMENT CONTROL BMPS AFTER CONSTRUCTION OF LINING & WALL ARE COMPLETE.
5. PRACTICE GOOD HOUSEKEEPING MEASURES THROUGHOUT THE DURATION OF CONSTRUCTION.
6. INSPECTIONS SHALL BE PERFORMED WEEKLY.
7. RECONSTRUCT WALLS, AND REINSTALL LANDSCAPING AS REQUIRED TO MATCH EXISTING CONDITIONS OR BETTER IF DISTURBED DURING CONSTRUCTION.

EMERGENCY BRACING REMOVAL NOTE:

1. ALL SCREW JACKS, SUPPORT BRACES, BRACE PLATES SHALL BE REMOVED FROM THE CHANNEL.
2. THE ROAD PLATES INSTALLED DURING EMERGENCY REPAIR WORK WERE RENTED BY ROYAL CONTRACTING CO. LTD. WHEN SUITABLE FOR PROJECT SITE REMOVAL (DISMANTLED AND STORED AT THE WORK SITE) CONTACT ROYAL CONTRACTING AT (808-839-9006).

REVISION	DATE	DESCRIPTION			ENGR. APPROVED
DEPARTMENT OF DESIGN AND CONSTRUCTION CITY AND COUNTY OF HONOLULU CIVIL DIVISION					
RESTORATION OF KAPALAMA STREAM CRM CHANNEL WALLS – Work Area 2 at 1325 N. School Street Honolulu, Oahu, Hawaii					
EROSION AND SEDIMENT CONTROL PLAN – 2 WORK AREA 2 DURING NEW CRM WALL CONSTRUCTION					
DESIGN: DB		APPROVED: _____ CHIEF, CIVIL DIVISION, DDC _____ DATE			DRAWING NO. C007
DRAWN: RE					SHEET 8
CHECKED: DB					OF . SHEETS
DATE: 2023					
JOB NO. xx-xx		FILE ____ DRAW ____ FOLDER ____ NUMBER ____			

Exp: 4/30/24

DAVID B. BILLS

LICENSED PROFESSIONAL ENGINEER

No. 4516-C

HAWAII, USA

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

SIGNATURE:

Bills Engineering Inc.

Civil/Environmental Engineering

100 Fort Street, Suite 400 Honolulu, HI 96813

CHIEF, CIVIL ENGINEERING BRANCH, DPP

DATE

ATTACHMENT J1-A

PCN AND NWPV
(PLACEHOLDER)

(To Be Provided
when Available)

ATTACHMENT J1-B

BWQC
(PLACEHOLDER)

(To Be Provided
when Available)