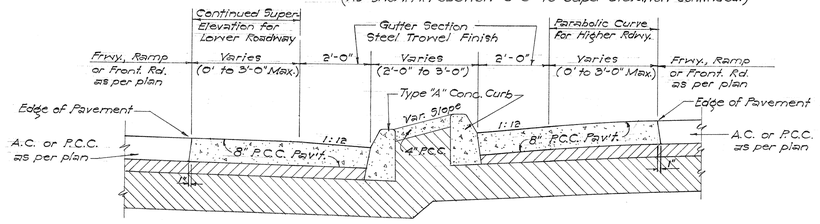
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	U-072-1(3)	1963	39	246
		U-098-1(4)	1963	11	88

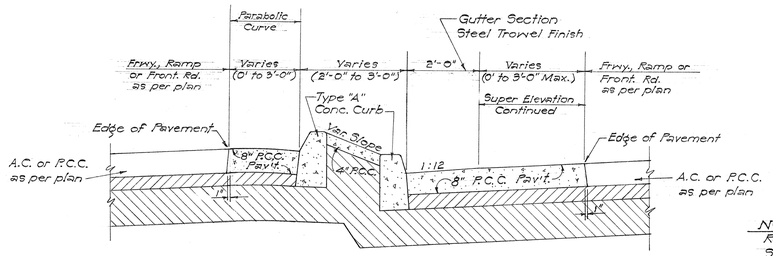
NOTE: Transition to be made from Parabolic Curve (As shown in SECTION "C-C" to Super Elevation continued.)



NOSING - TYPE I

Not to Scale

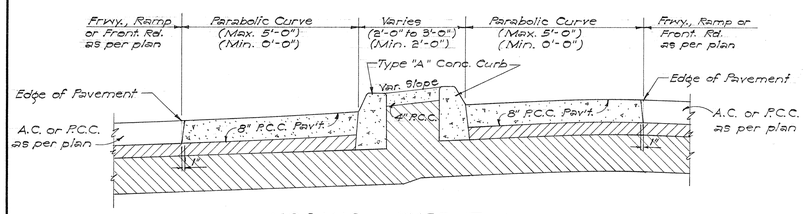
(BOTH PAVEMENTS SLOPING DOWN TOWARD NOSING)



NOSING - TYPE II

Not to Scale

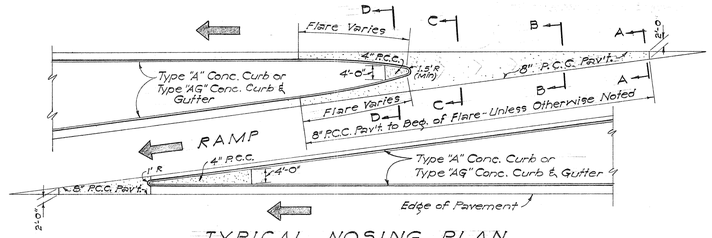
(ONE PAVEMENT SLOPING UP AND OTHER PAVEMENT SLOPING DOWN TOWARD NOSING)



NOSING - TYPE III

Not to Scale

(BOTH PAVEMENTS SLOPING UP TOWARD NOSING)

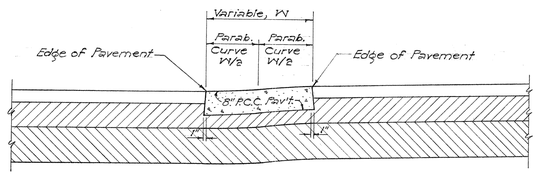


TYPICAL NOSING PLAN

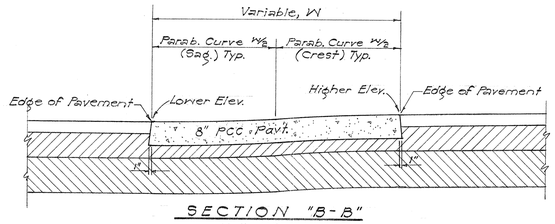
LEADING AND TRAILING NOSINGS

Scale: 1" = 20'

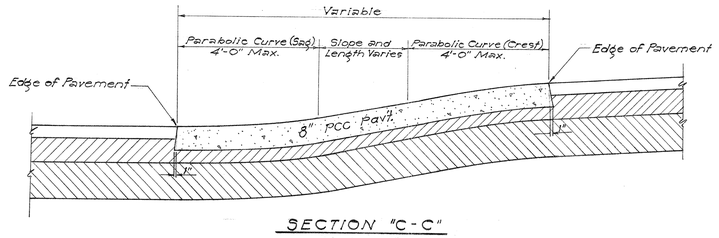
NOTE:
Roadway Materials Vary. See Typical Sections and Detail Plan of Roadway.



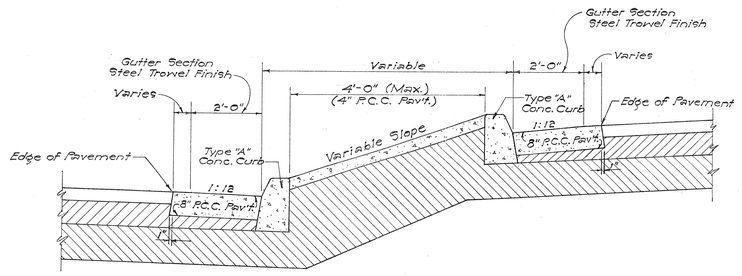
SECTION "A-A"



SECTION "B-B"



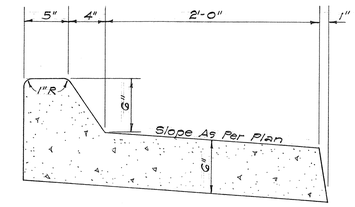
SECTION "C-C"



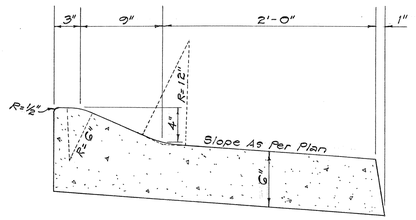
SECTION "D-D"

SECTIONS OF NOSING

Not to Scale



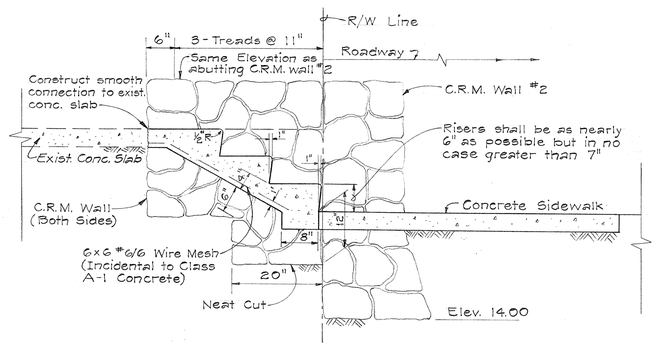
TYPE "AGM" CURB & GUTTER



TYPE "EGS" CURB & GUTTER

REVISED PLAN SHOWING PEDESTRIAN ACCESS

Lot Tax Key 1-6-01-80



SECTION A-A

Scale: 3/4" = 1'-0"

NOTE:
1. Concrete shall be Class A-1
2. Top surface of concrete steps (Treads) shall have a slip resisting surface produced by sprinkling ¼#/sq ft. #8, #16 Aluminum Oxide in fresh concrete and finishing it with a wood trowel. This item is considered incidental to Class A-1 Concrete. All other exposed surface shall have Class 2 rubbed finish.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY DETAILS

NOSING DETAILS AND TYPE "AGM" AND TYPE "EGS" CURB AND GUTTER

LUNALILO FREEWAY — PROJ. No. U-072-1 (3)
VINEYARD BOULEVARD — PROJ. No. U-098-1 (4)

SCALE: AS SHOWN — DATE: 1963

SHEET No. 2 OF 5 SHEETS

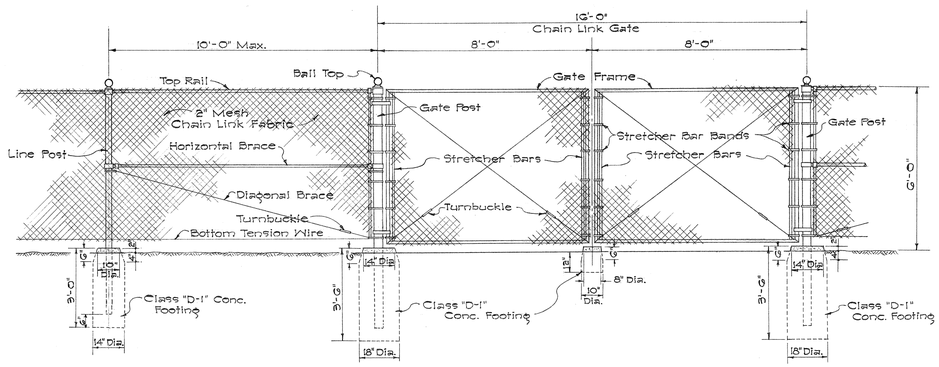
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	"
	TRACED BY	"
	DESIGNED BY	"
NOTE BOOK	QUANTITIES BY	"
No.	CHECKED BY	"

PRINTED ON CLEARPRINT 1000-H

U 072 1 03 00.39

U 098 1 04 00.11

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	U-072-1(3)	1963	41	246
		U-098-1(4)	1963	12	88
		F-090-1(2)	1963	9	93



NOTES:

1. Gate Latch and Lock, Flush Plate and Anchor, and Plunger Bar shall be installed with Gates, and shall be considered as included with Item of 72" Chain Link Gate.
2. Diagonal Brace Rod (Steel Truss Rods) shall be installed at all End, Corner and Pull Posts. Each Corner and Pull Post shall have two Diagonal Brace Rods, one each to adjacent line posts.
3. Fence details not shown are to be in accordance with Standard Specification.
4. Concrete footings for all End, Corner and Pull Posts shall be the same as for the Gate Posts.
5. Gate frames shall be mitered at corners and welded.

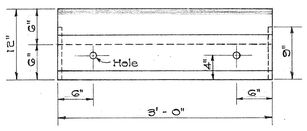
DETAIL OF CHAIN LINK GATE

Scale: 3/8" = 1'-0"

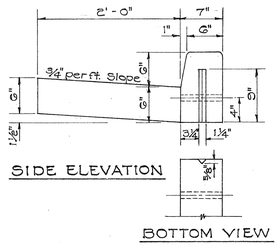
NOTE: For 36" Chain Link Fence post embedment in Concrete Retaining Wall, See Sheet No. 64

72" TO 36" CHAIN LINK FENCE TRANSITION DETAIL

Scale: 3/8" = 1'-0"



FRONT ELEVATION

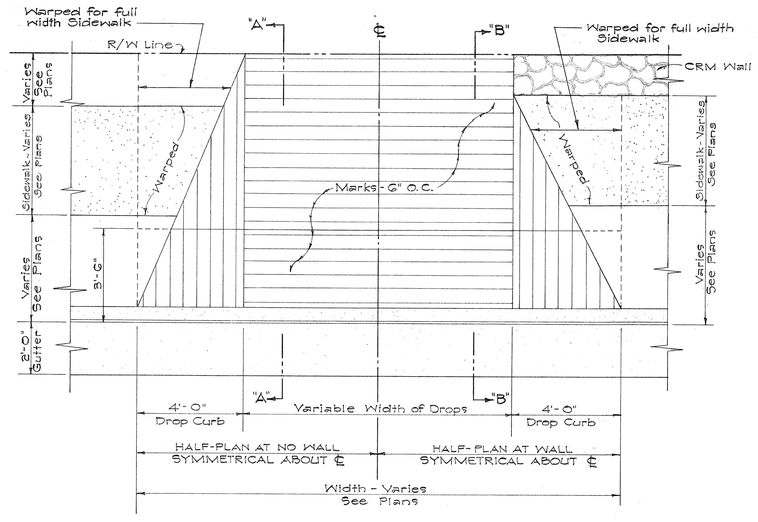


SIDE ELEVATION

BOTTOM VIEW

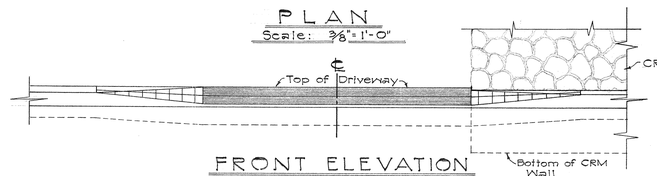
PRECAST CONC. CURB AND CAST IN PLACE GUTTER

Scale: 1" = 1'-0"



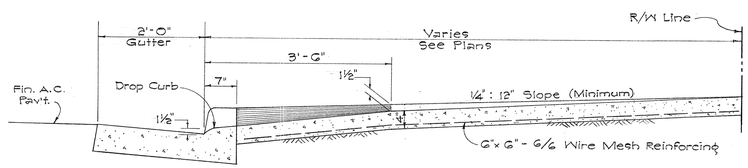
PLAN

Scale: 3/8" = 1'-0"



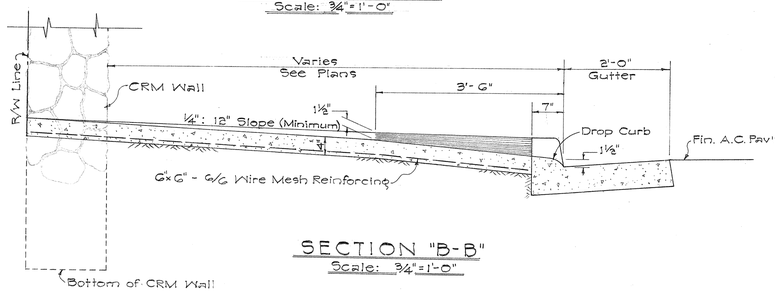
FRONT ELEVATION

Scale: 3/8" = 1'-0"



SECTION "A-A"

Scale: 3/4" = 1'-0"

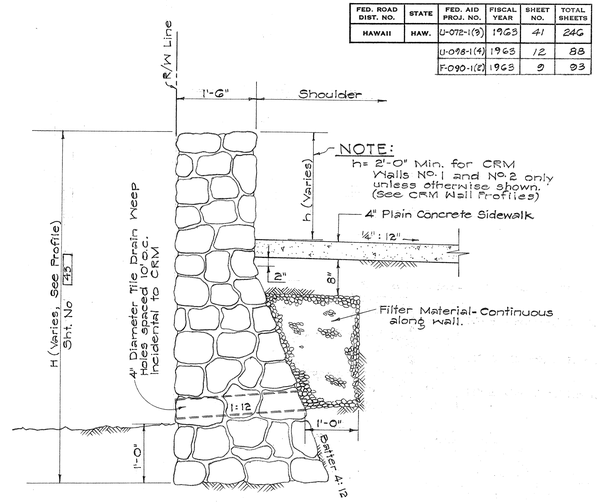


SECTION "B-B"

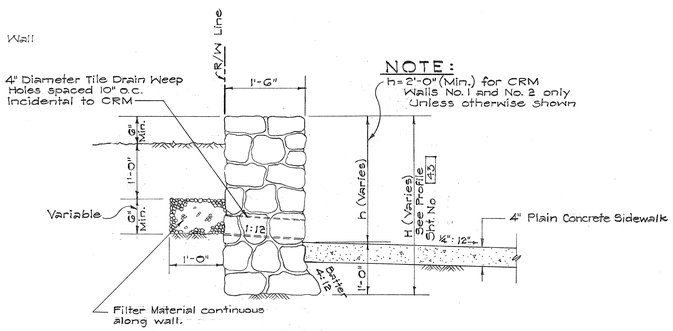
Scale: 3/4" = 1'-0"

DETAIL OF REINFORCED CONCRETE DRIVEWAY

Scales: As Noted



AT FILL SECTION



AT CUT SECTION

TYPICAL CRM WALL DETAIL

Scale: 3/4" = 1'-0"

NOTE: ABOVE DETAILS OF CRM WALL WILL NOT APPLY TO PROJECT NO. F-090-1(2)

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	"
	TRACED BY	"
NOTE BOOK	DESIGNED BY	"
	QUANTITIES BY	"
No.	CHECKED BY	"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY DETAILS

CHAIN LINK FENCE TRANSITION DETAIL, PRECAST CONC. CURB AND CAST-IN-PLACE GUTTER, REINFORCED CONC. DRIVEWAY DETAILS AND TYPICAL CRM WALL DETAIL.

LUNALILO FREEWAY	U-072-1(3)
VINEYARD BOULEVARD	U-098-1(4)
LILIHA STREET	F-090-1(2)

Scale: As Shown Date: 1963

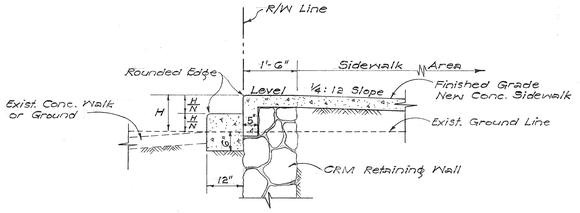
SHEET No. 4 OF 5 SHEETS

PRINTED ON CLEARPRINT 1000-H

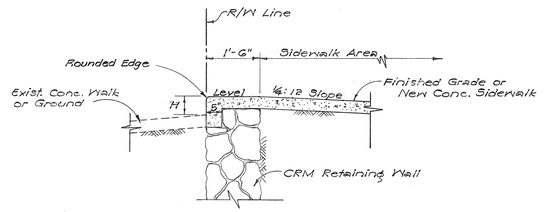
F 090 1 02 00.9 U 098 1 04 00.12 U 072 1 03 00.41

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	U-072-1(3)	1963	42	240
		U-098-1(4)	1963	13	88
		F-090-1(2)	1963	10	93

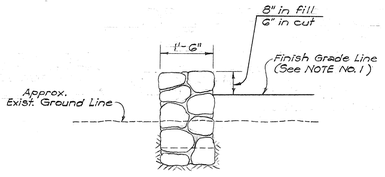
CORRECTED:
May 3, 1963
(ADDENDUM #1)
Center Line Mon. and Top Plan of C & C St. Survey Mon.



CASE I: WHERE "N IS 2" IN FILL



CASE II: WHERE "H IS LESS THAN 7" IN FILL



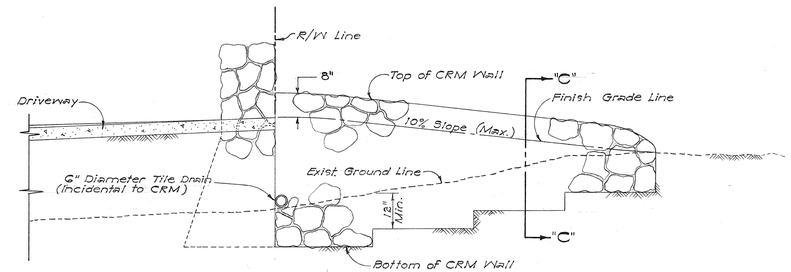
SECTION "C-C"

DETAIL SECTIONS OF STEPS

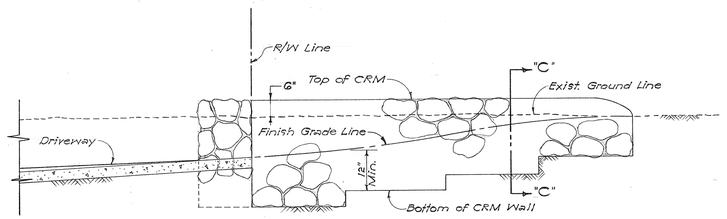
Scale: ½"=1'-0"

NOTES:

1. H = Difference in elevation.
2. N = Number of risers (Varies to fit actual conditions)
3. H/N = As nearly 6" as possible, but in no case greater than 7"
4. Top surface of concrete steps (Treads) shall have a slip resisting surface produced by sprinkling ¼#/sq. ft. #3, #16 Aluminum Oxide in fresh concrete and finishing it with a wood trowel. This item is considered incidental to Class "A-1" concrete. All other exposed surface shall have Class II rubbed finish.



IN FILL



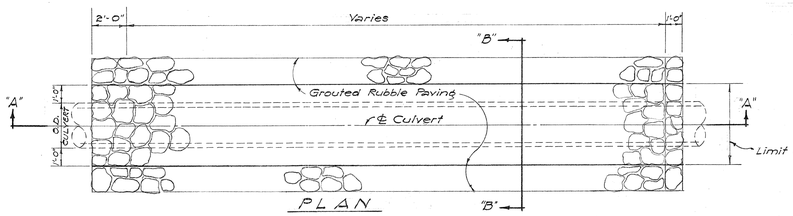
IN CUT

TYPICAL CRM WALL PROFILE AT DRIVEWAY RAMPS

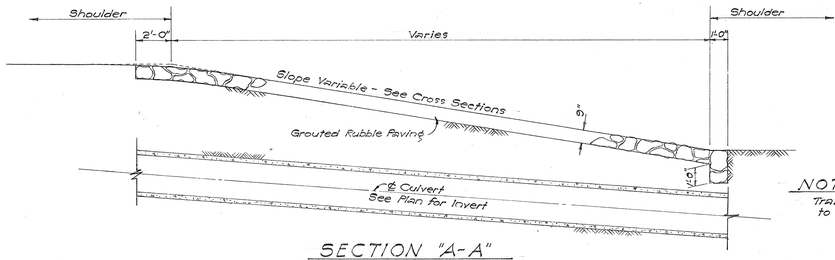
Scale: ⅛"=1'-0"

NOTE:

1. Typical Sections for Driveways shall Consist of 6" Coral for Unpaved Driveways and 2" A.C. Mix No. II Laid in two compacted layers over 6" Coral Base Course for Paved Driveways.
2. Coral for Unpaved Driveways and Coral Base for Paved Driveways shall be paid for under Item 118(1), Fine Coral.



PLAN

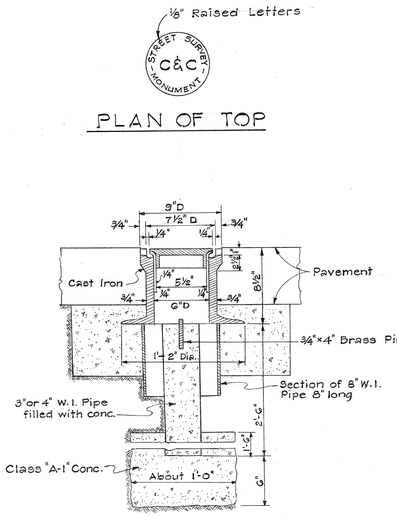


SECTION "A-A"

NOTE:
Transverse slopes of G.R.P. to follow cut slope.

TYPICAL DETAIL OF GROUTED RUBBLE PAVING OVER CULVERT

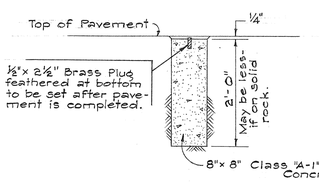
Scale: ¼"=1'-0"



PLAN OF TOP

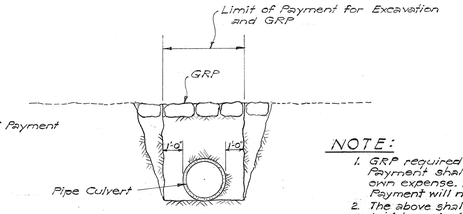
STANDARD C&C STREET SURVEY MONUMENT

Not To Scale



CENTER LINE MONUMENT

Not To Scale



SECTION "B-B"

NOTE:
1. GRP required beyond the Limit of Payment shall be placed at the Contractor's own expense. Excavation beyond the Limit of Payment will not be paid for.
2. The above shall also hold for utility pipes laid in cut slope.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY DETAILS

TYPICAL CRM WALL PROFILE AT DRIVEWAY RAMPS, DETAIL SECTIONS OF STEPS, TYPICAL DETAIL OF GRP OVER CULVERT AND STANDARD C&C ST. SURVEY MONUMENT.

LUNALILO FREEWAY	U-072-1(3)
VINEYARD BOULEVARD	U-098-1(4)
LILIHA STREET	F-090-1(2)
Scale: As Shown	Date: 1963

SHEET No. 5 OF 5 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	"
	TRACED BY	"
NOTE BOOK	DESIGNED BY	"
	QUANTITIES BY	"
No.	CHECKED BY	"

PRINTED ON CLEARPRINT 1000-H

F 090 1 02 00.10 U 098 1 04 00.13 U 072 1 03 00.42

CORRECTED: MAY 3, 1963