

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	U-078-1(3)	1973	30	36

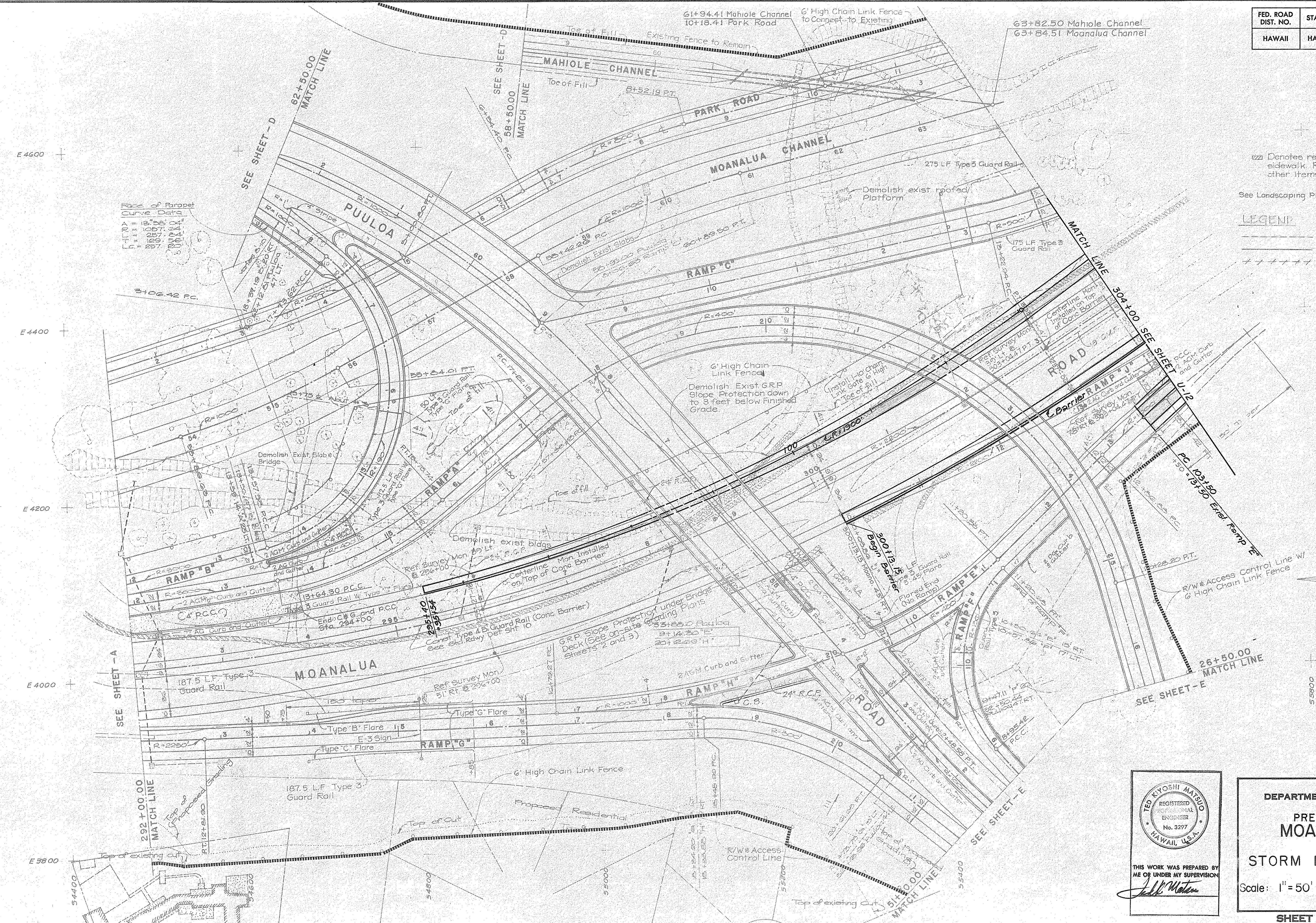
Denotes removal of existing concrete sidewalk. Removal to be incidental to other items.

See Landscaping Plans for trees to remain.

LEGEND

- Existing Line
- Relocated Line
- Existing Line To Be Removed

DATE	DATE
DESIGNED BY	DESIGNED BY
CHECKED BY	CHECKED BY
NOTED BY	NOTED BY
QUANTITIES BY	QUANTITIES BY
ORIGINAL PLAN	ORIGINAL PLAN
NO.	NO.



REGISTERED PROFESSIONAL ENGINEER
No. 3297
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION

John M. Mott

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PRELIMINARY DESIGN
MOANALUA ROAD

STORM DRAIN RELOCATION

Scale: 1" = 50'

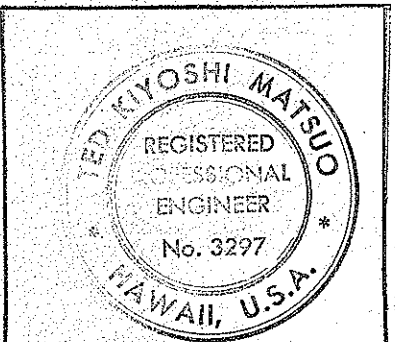
Date: AUG 24 1973

SHEET No. U-11 OF 16 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	U-078-1(3)	1973	32	36

- LEGEND
- BUILDING
- WALL or ROCK WALL
- UTILITY (see sheet 6)
- FOLIAGE OUTLINE
- HYDRANT or TRAFFIC LT.
- SIGN
- LIGHT or UTILITY POLE
- GUARD RAIL
- CURB & GUTTER
- PAVED ROAD
- UNPAVED ROAD
- CONCRETE or A.C. WALK
- DRAINAGE
- FENCE

Compiled by photogrammetric methods
from aerial photography taken **DEC. 1971**
at **1500' A.M.G.L.** Broken contour
lines may be substandard.
Elevation based on Mean Sea Level Datum.
Origin: Haw'n Plane Coord. System, Zone III
Map Scale: 1"=50'
Contour Interval: 2'



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION
Ted Kiyoshi Mafuo

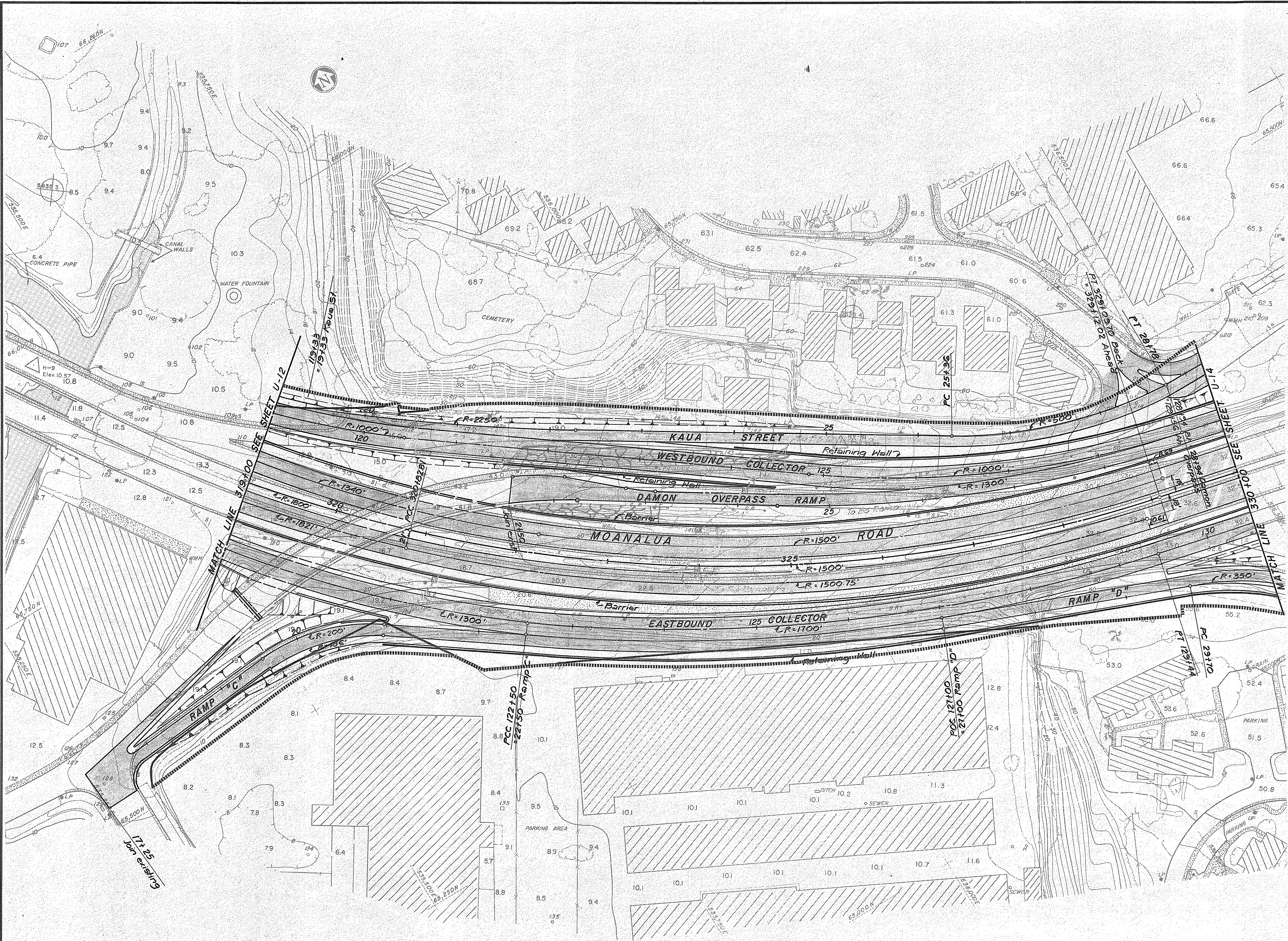
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PRELIMINARY DESIGN
MOANALUA ROAD

STORM DRAIN RELOCATION

Scale: 1"=50' Date: **AUG 24 1973**

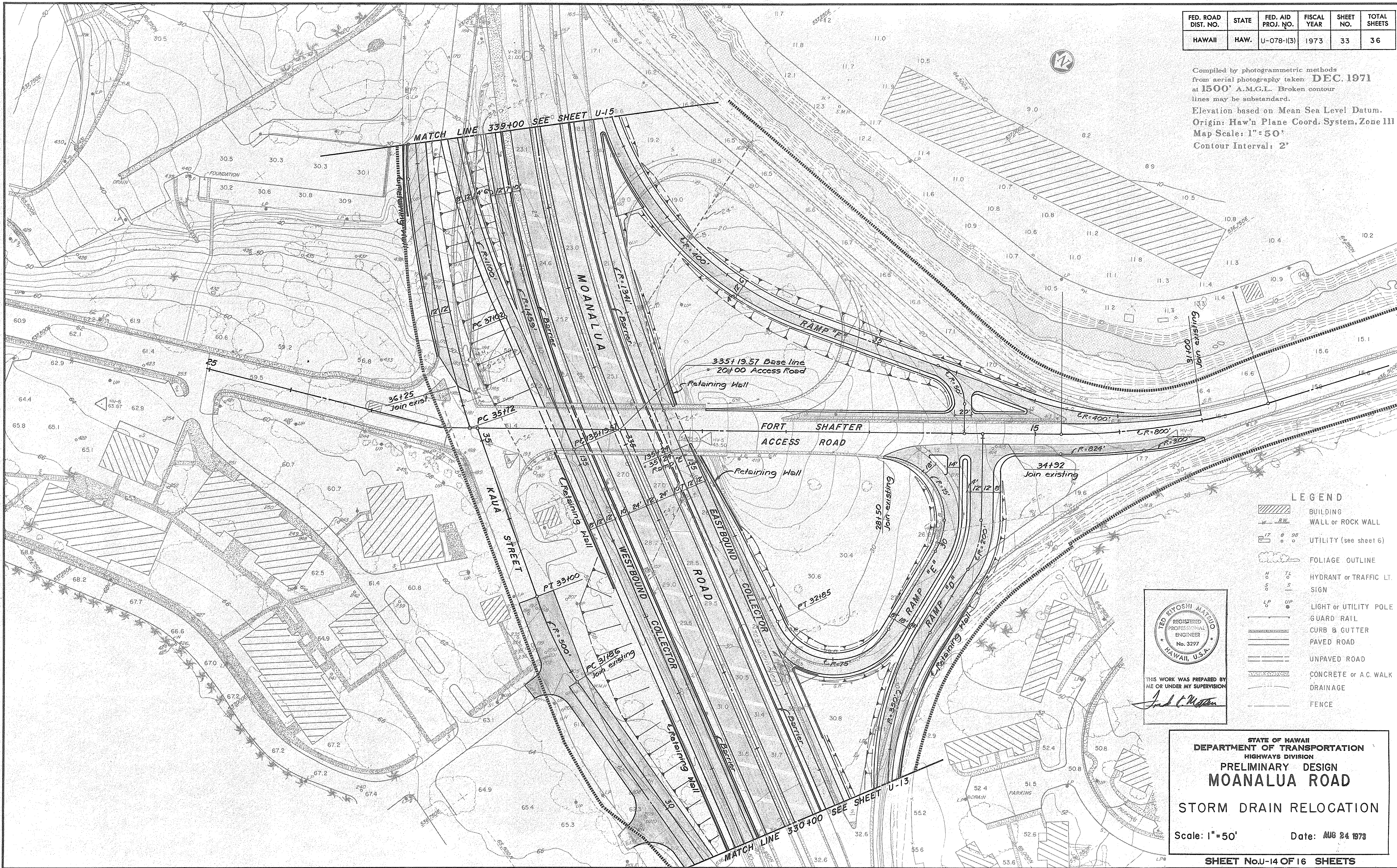
SHEET No.U-13OF 16 SHEETS



DATE	_____
SURVEY PLOTTED BY	_____
DESIGNED BY	_____
TRACED BY	_____
NOTE BOOK	_____
CHECKED BY	_____

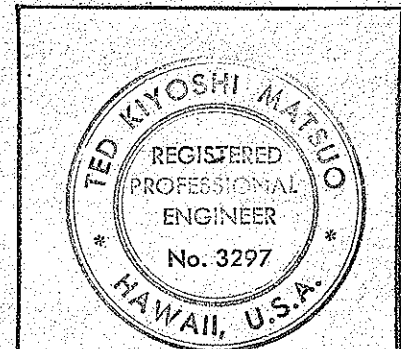
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	U-078-II(3)	1973	33	36

Compiled by photogrammetric methods from aerial photography taken **DEC. 1971** at **1500' A.M.G.L.** Broken contour lines may be substandard.
Elevation based on Mean Sea Level Datum.
Origin: Haw'n Plane Coord. System, Zone III
Map Scale: 1"=50'
Contour Interval: 2'



LEGEND

- BUILDING
- WALL or ROCK WALL
- UTILITY (see sheet 6)
- FOLIAGE OUTLINE
- HYDRANT or TRAFFIC LT. SIGN
- LIGHT or UTILITY POLE
- GUARD RAIL
- CURB & GUTTER
- PAVED ROAD
- UNPAVED ROAD
- CONCRETE or A.C. WALK
- DRAINAGE
- FENCE



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Ted Kyoshi Matsuo

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PRELIMINARY DESIGN
MOANALUA ROAD

STORM DRAIN RELOCATION

Scale: 1"=50'

Date: AUG 24 1973

SHEET No. U-14 OF 16 SHEETS

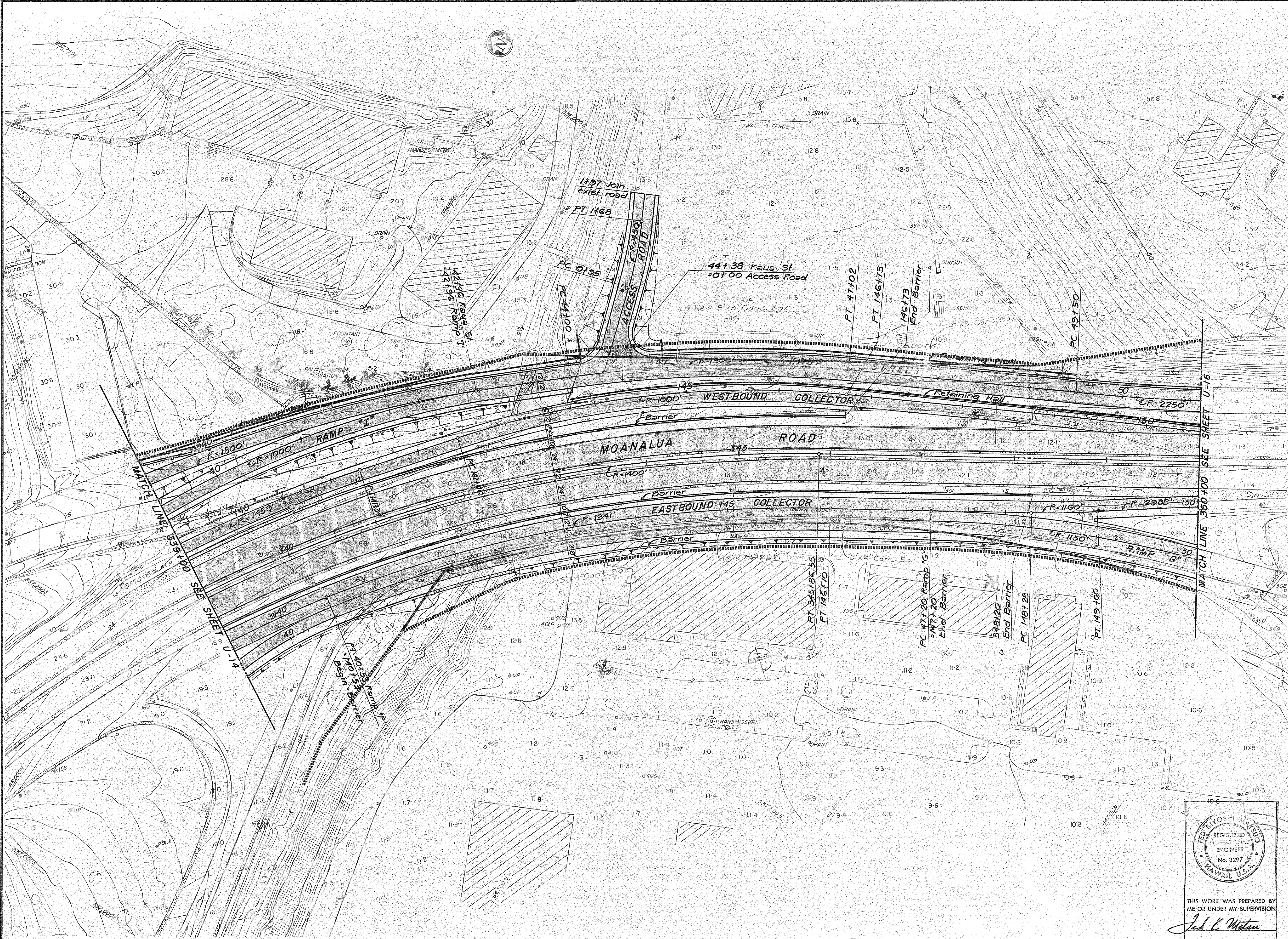
DATE	_____
SURVEY PLOTTED BY	_____
PLAN	_____
DESIGNED BY	_____
NOTE BOOK	_____
QUANTITIES BY	_____
CHECKED BY	_____

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	U-078-1(3)	1973	34	36

- LEGEND
- BUILDING
- WALL or ROCK WALL
- UTILITY (see sheet 6)
- FOLIAGE OUTLINE
- HYDRANT or TRAFFIC LT.
- SIGN
- LIGHT or UTILITY POLE
- GUARD RAIL
- CURB & GUTTER
- PAVED ROAD
- UNPAVED ROAD
- CONCRETE or A.C. WALK
- DRAINAGE
- FENCE

Compiled by photogrammetric methods from aerial photography taken **DEC. 1971** at **1500' A.M.G.L.** Broken contour lines may be substandard.
Elevation based on Mean Sea Level Datum.
Origin: Haw'n Plane Coord. System, Zone III
Map Scale: 1"=50'
Contour Interval: 2'

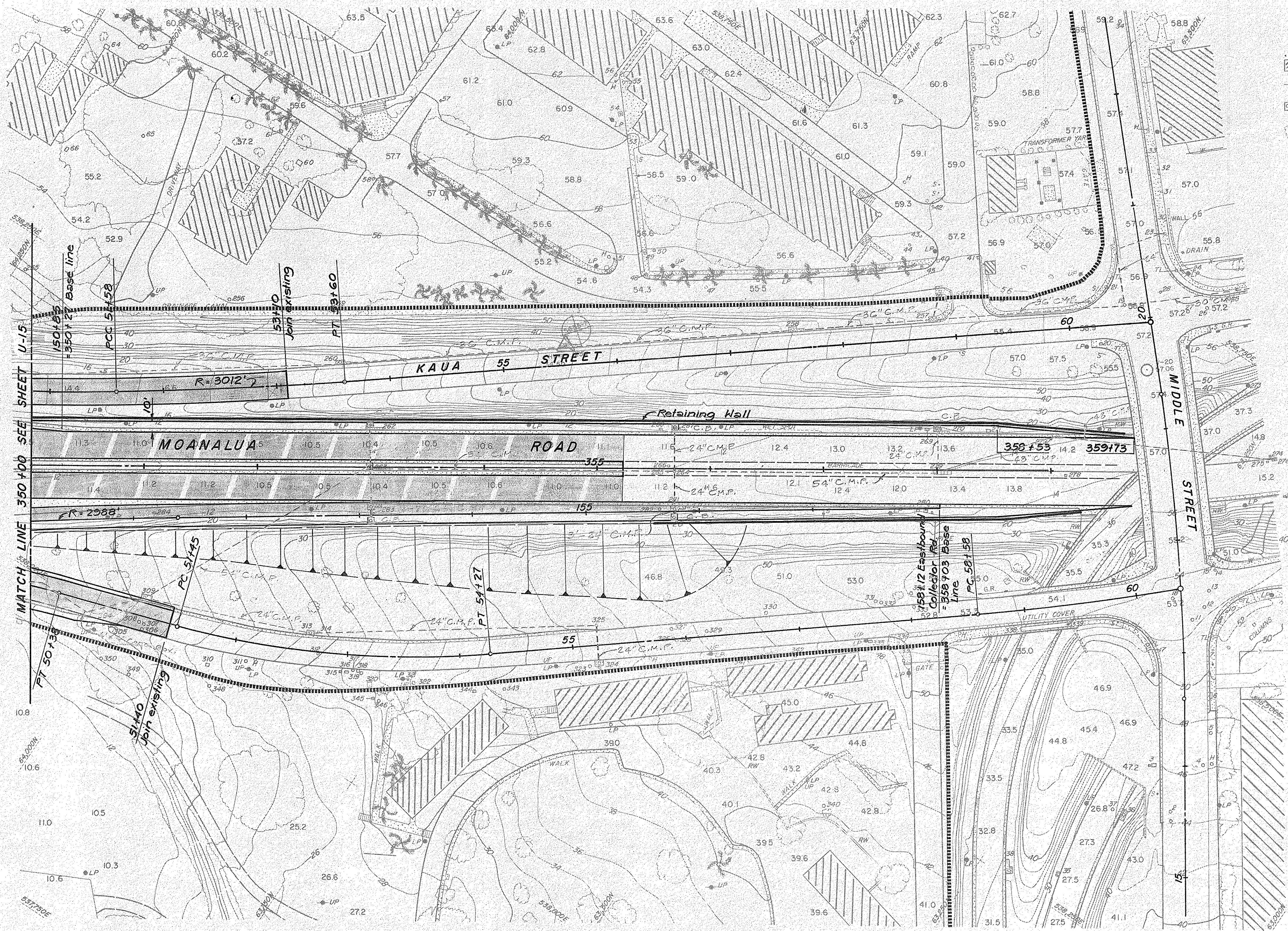
DATE	_____
DESIGNED BY	_____
TRACED BY	_____
NOTED BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION
Ted K. Miyashiro

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PRELIMINARY DESIGN
MOANALUA ROAD
STORM DRAIN RELOCATION
Scale: 1"=50' Date: **AUG 24 1973**
SHEET No.U-15 OF 16 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	U-078-1(3)	1973	35	36



LEGEND	
	BUILDING
	WALL or ROCK WALL
	UTILITY (see sheet 6)
	FOLIAGE OUTLINE
	HYDRANT or TRAFFIC LT.
	SIGN
	LIGHT or UTILITY POLE
	GUARD RAIL
	CURB & GUTTER
	PAVED ROAD
	UNPAVED ROAD
	CONCRETE or A.C. WALK
	DRAINAGE
	FENCE

Compiled by photogrammetric methods
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lines may be substandard.
Elevation based on Mean Sea Level Datum.
Origin: Haw'n Plane Coord. System, Zone III
Map Scale: 1" = 50'
Contour Interval: 2'

SURVEY PLOTTED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	

TEO KIYOSHI MAFUO
REGISTERED PROFESSIONAL ENGINEER
No. 3297
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION
J.M. Matsum

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PRELIMINARY DESIGN
MOANALUA ROAD
STORM DRAIN RELOCATION
Scale: 1" = 50'
Date: AUG 24 1973
SHEET No. U-16 OF 16 SHEETS