

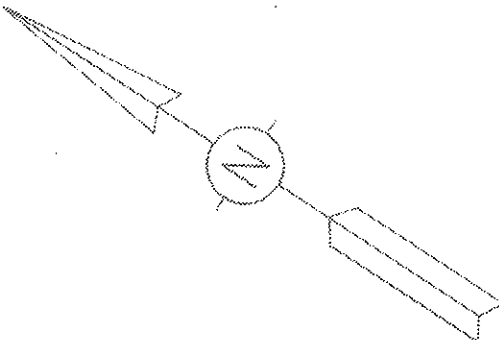
NOTE: For details of Park Road entrance to Moanalua Park parking lot, see Sheet I-Temporary Connections.

LEGEND

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	U-078-(13)	1973	20	36

- E — ELECTRIC
— T — TELEPHONE
— E & T — ELECTRIC & TELEPHONE
— F A — FIRE ALARM
— G — GAS
— S D — STORM DRAIN
— S S — SANITARY SEWER
— S C — SIGNAL CORPS
— W — WATER

Denotes removal of existing concrete sidewalk. Removal to be incidental to other items.
See Landscaping Plans for trees to remain.

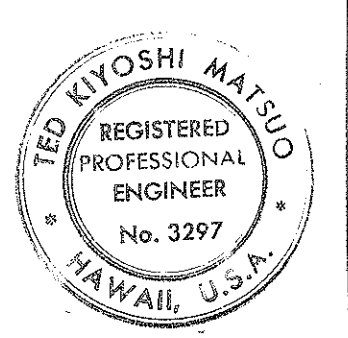


END PERMANENT CONST.
RAMP "C"
STA. 19+45.00

END TEMPORARY CONN.
@ STA. 315+00 BK AND AHD.

END PERMANENT CONST.
MOANALUA ROAD & RAMP "J"
@ STA. 311+00
RAMP J STA. 21+00(18' RT. @)

SECTION (A)
NO SCALE



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Ted K. Matsuo

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PRELIMINARY DESIGN
MOANALUA ROAD
EXISTING UTILITIES PLAN

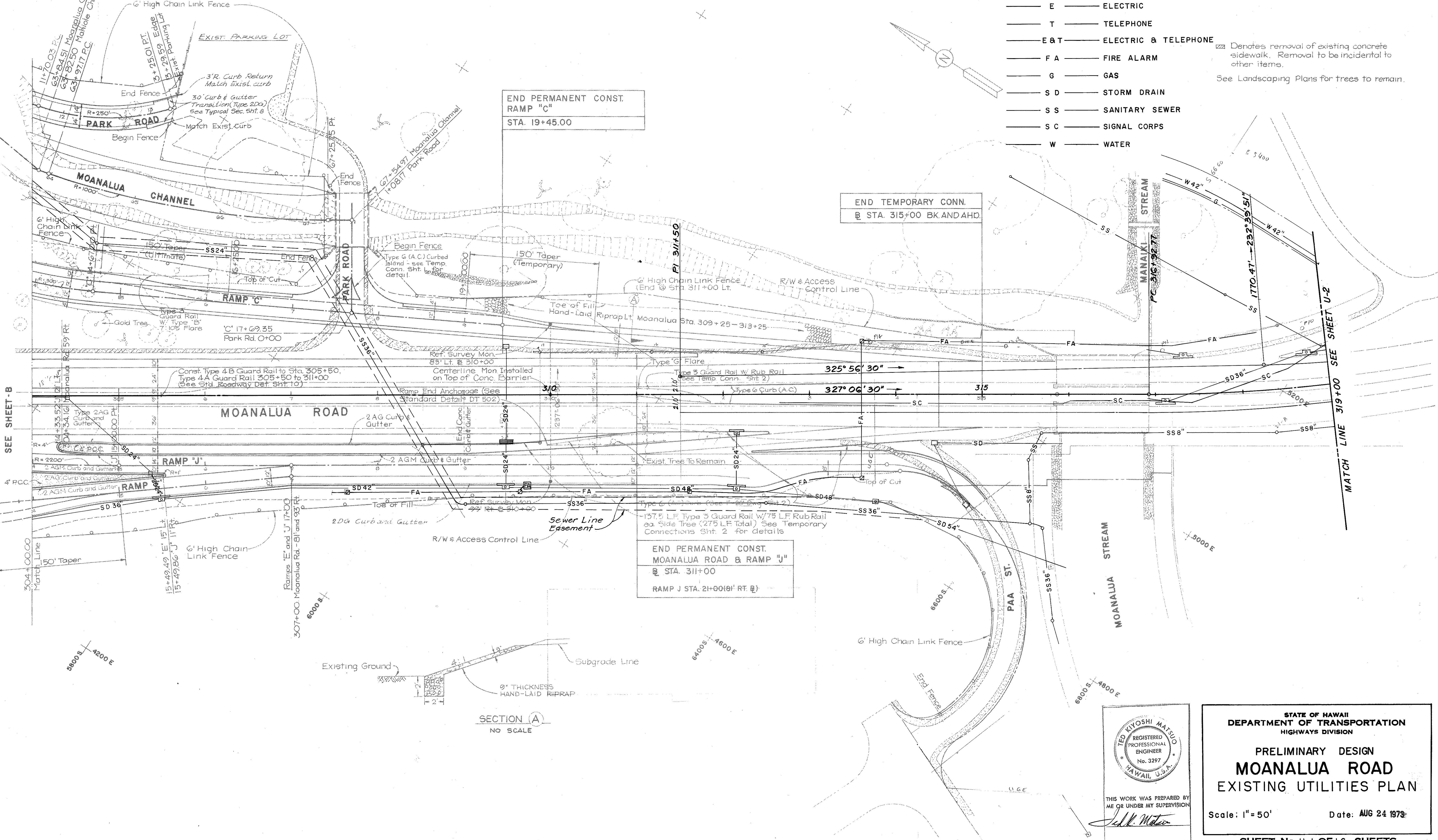
Scale: 1" = 50' Date: AUG 24 1973

SHEET No. U-1 OF 16 SHEETS

ORIGINAL PLAN	DATE
SURVEY PLANNED BY	.....
DRAWN BY	.....
DESIGNED BY	.....
CHECKED BY	.....
NOTED BY	.....

SEE SHEET-B

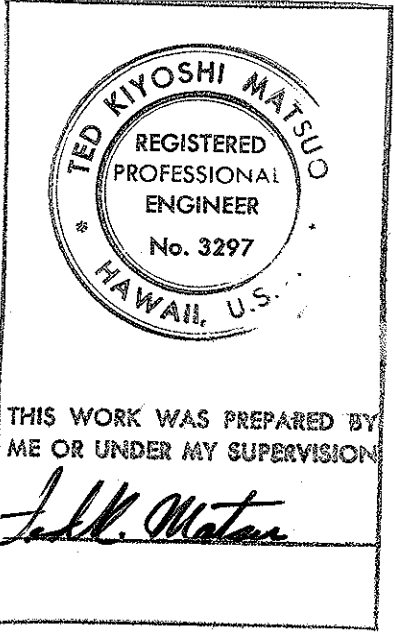
MATCH LINE 319+00 SEE SHEET U-2



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	U-078-1(3)	1973	21	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'

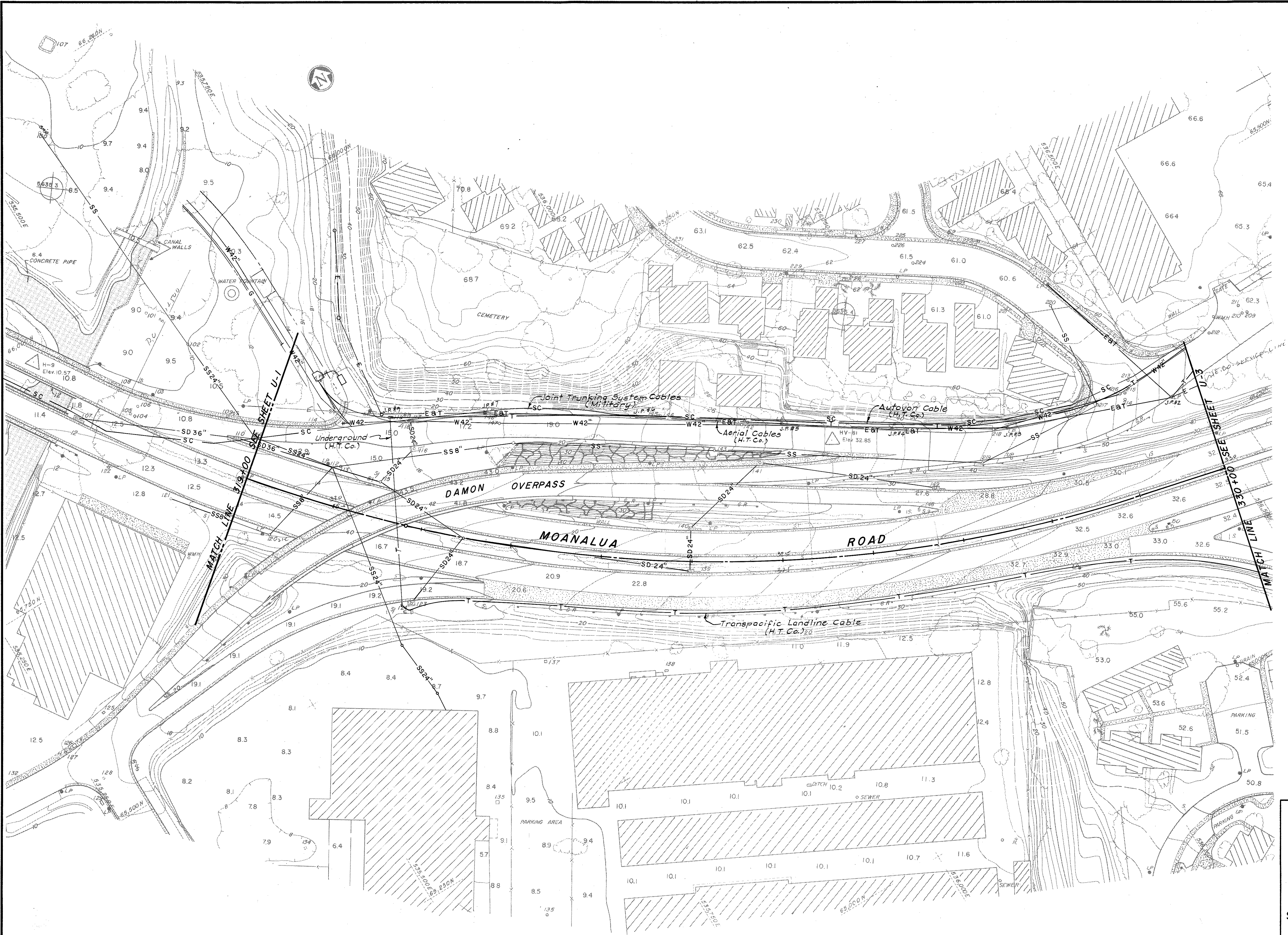


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PRELIMINARY DESIGN
MOANALUA ROAD
EXISTING UTILITIES PLAN

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

SHEET No. U-2 OF 16 SHEETS



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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	U-078-1(3)	1973	22	36

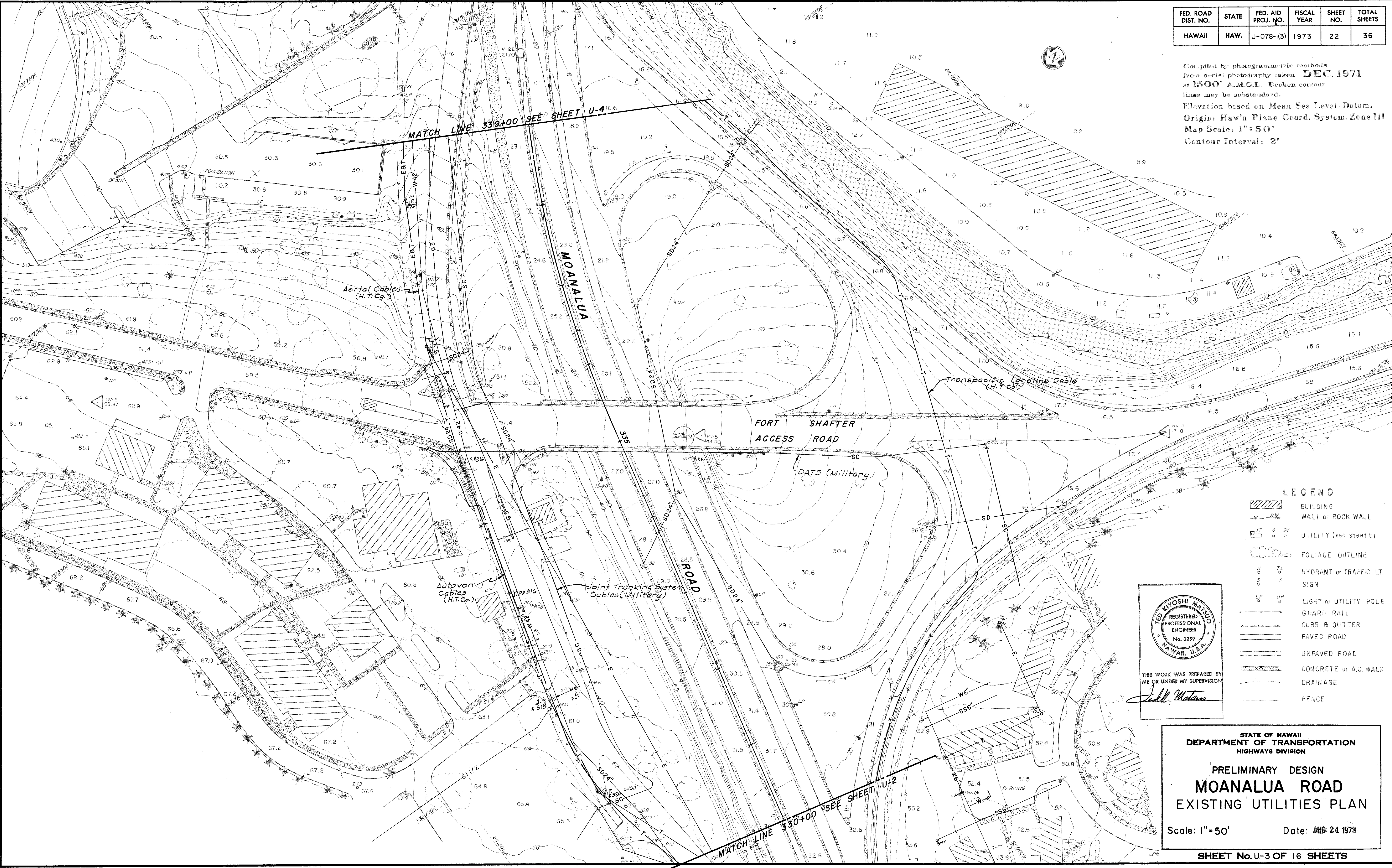
Compiled by photogrammetric methods from aerial photography taken **DEC. 1971** at **1500' A.M.G.L.** Broken contour lines may be substandard.

Elevation based on Mean Sea Level Datum.

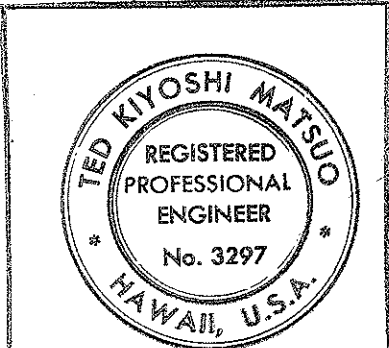
Origin: Haw'n Plane Coord. System, Zone III

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 K. Matsuo

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PRELIMINARY DESIGN
MOANALUA ROAD
EXISTING UTILITIES PLAN

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

SHEET No. U-3 OF 16 SHEETS

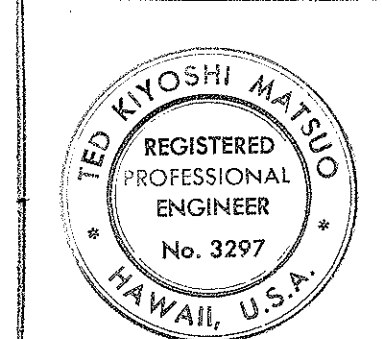
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	U-078-1(3)	1973	23	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 111
Map Scale: 1"=50'
Contour Interval: 2'



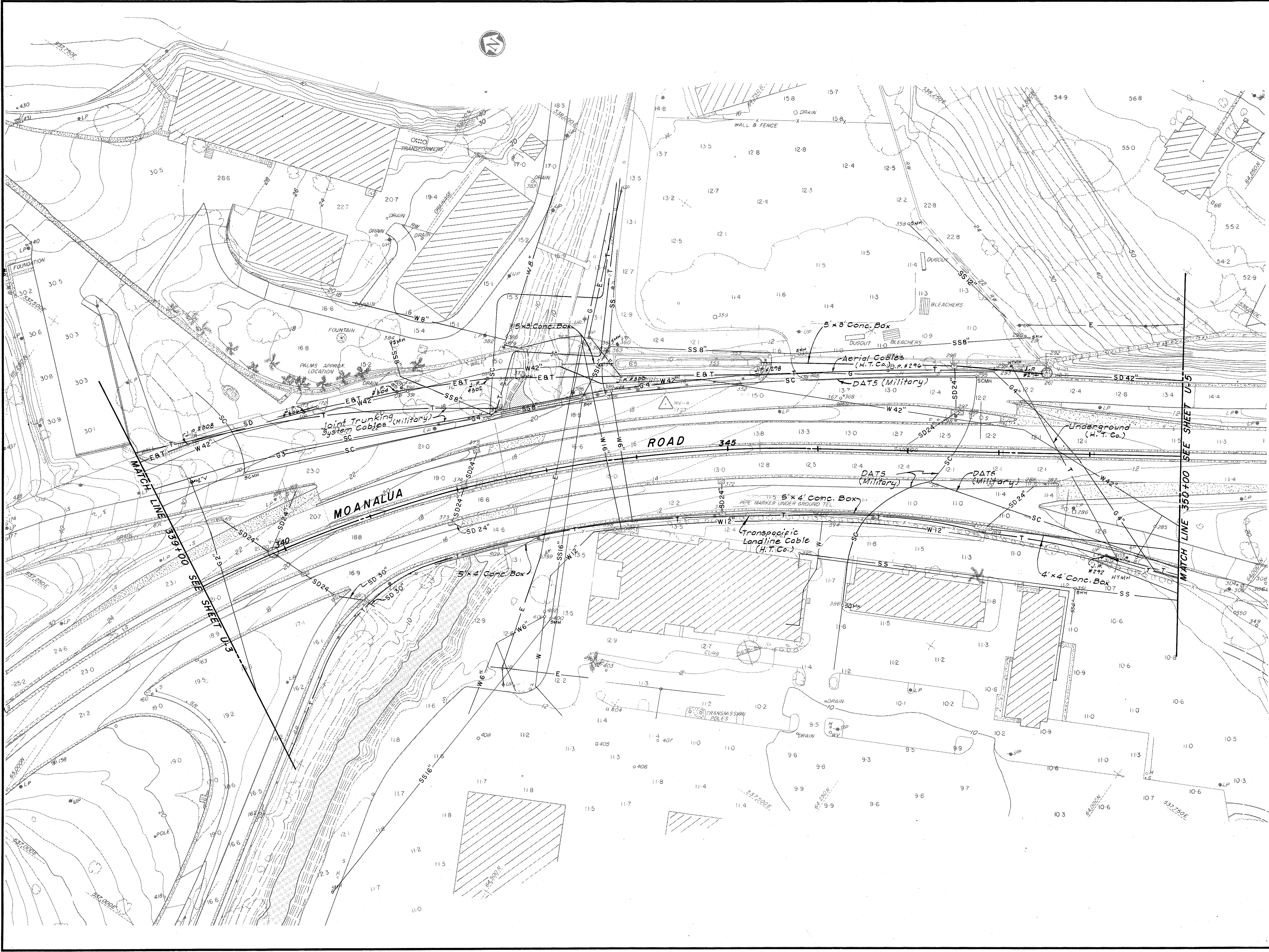
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
J. M. Watson

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PRELIMINARY DESIGN MOANALUA ROAD EXISTING UTILITIES PLAN

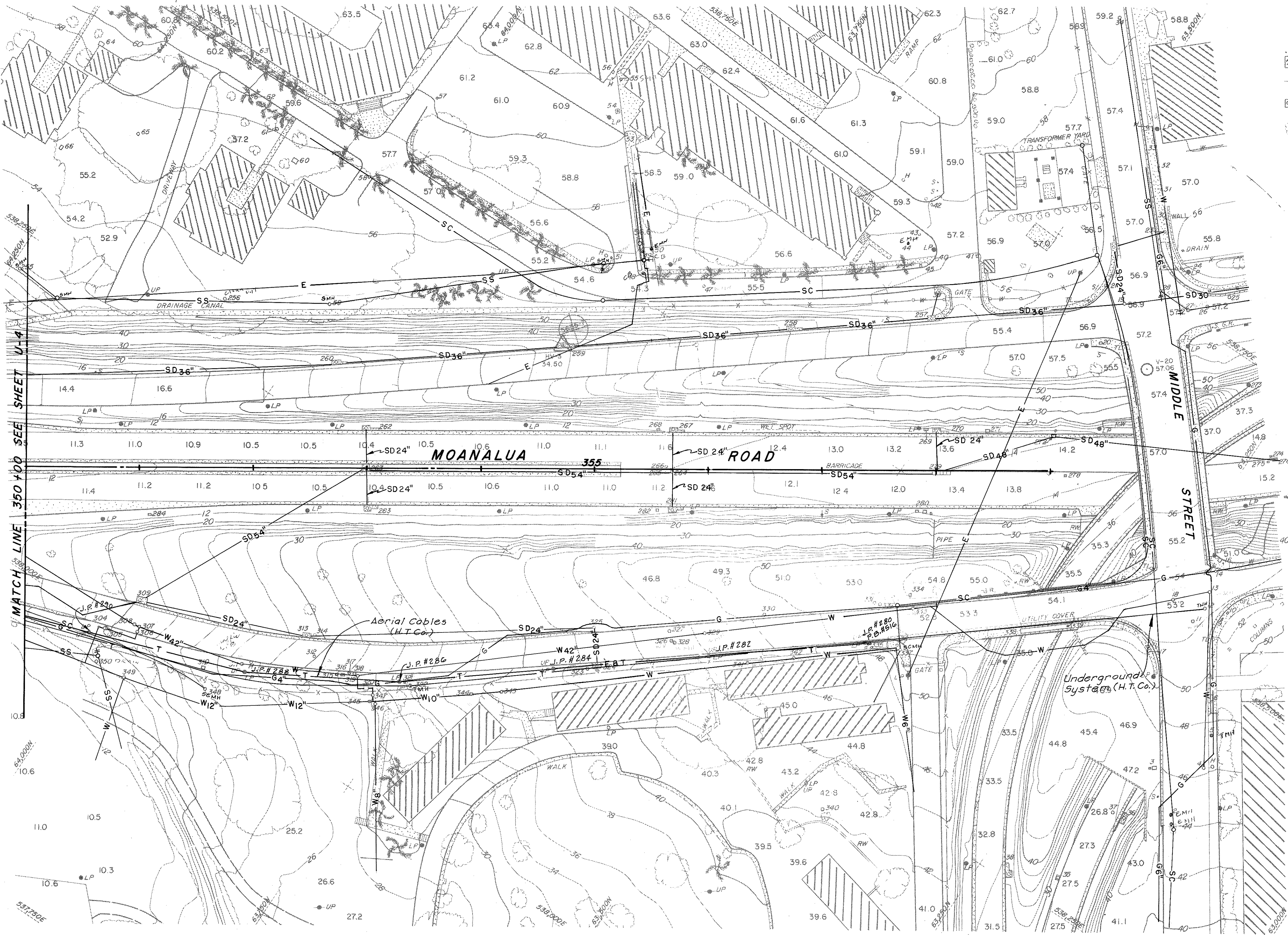
Scale: 1"=50' Date: AUG 24 1973

SHEET No. U-4 OF 16 SHEETS



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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	U-078-1(3)	1973	24	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'

ORIGINAL PLAN	DATE
SURVEY PLATTED BY	.....
DRAWN BY	.....
DESIGNED BY	.....
CHECKED BY	.....
NOTE BOOK	.....
No.	.....

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

T.K. Matsuo

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PRELIMINARY DESIGN
MOANALUA ROAD
EXISTING UTILITIES PLAN

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

SHEET No. U-5 OF 16 SHEETS