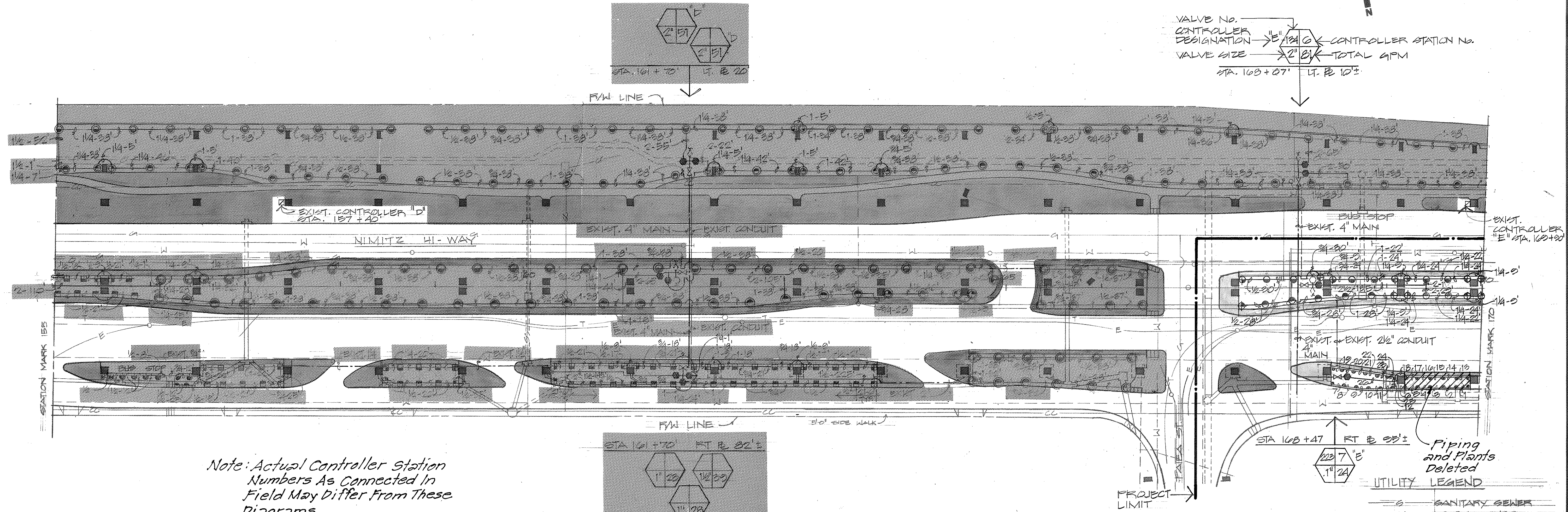
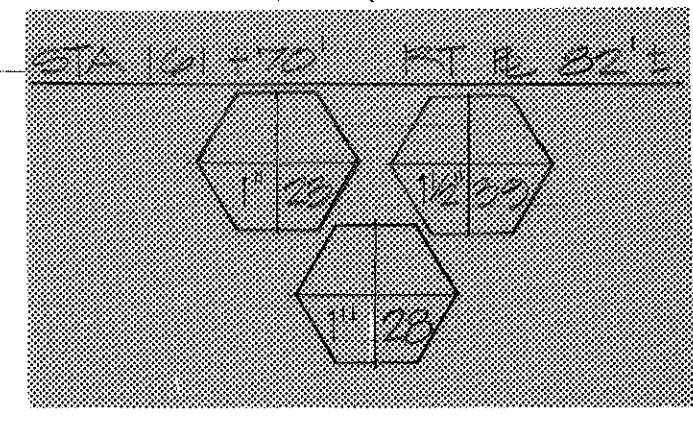


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-IR-HI-1(173):16	1992	2	22

VALVE NO. →
 CONTROLLER DESIGNATION →
 VALVE SIZE →
 CONTROLLER STATION NO. →
 TOTAL GPM →
 STA. 103 + 07' LT. E 10'±



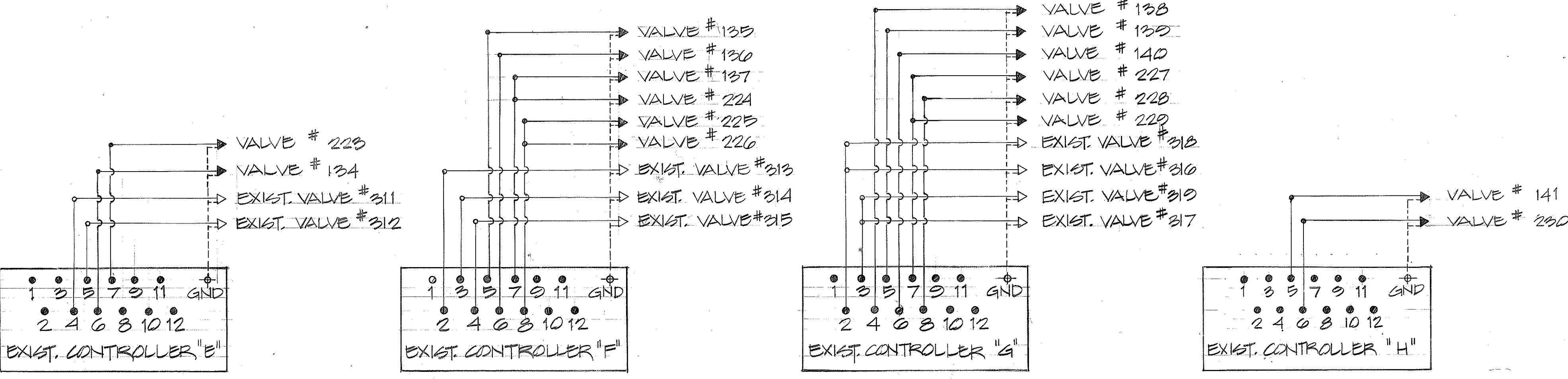
Note: Actual Controller Station Numbers As Connected In Field May Differ From These Diagrams



PARTIAL IRRIGATION PLAN
SCALE: 1" = 50'

PIPE No.	PIPE SIZE	PIPE LENGTH	PIPE No.	PIPE SIZE	PIPE LENGTH
1	1/2	13'-4"	14	1/2	14'
2	1/2	13'-4"	15	1/2	14'
3	1/2	13'-4"	16	1/2	14'
4	1/2	13'-4"	17	1/2	14'
5	1/2	13'-4"	18	1/2	14'
6	1/2	13'-4"	19	1/2	11'-8"
7	1/2	13'-4"	20	1/2	11'-8"
8	1/2	13'-4"	21	1/2	11'-8"
9	1/2	13'-4"	22	1/2	11'-8"
10	1/2	13'-4"	23	1/2	11'-8"
11	1/2	13'-4"	24	1/2	11'-8"
12	1	13'	25	1	1'
13	1/2	14'	26	1/4	70'

UTILITY LEGEND	
—S—	SANITARY SEWER
—SS—	STORM SEWER
—W—	WATER LINE
—G—	GAS LINE
—O—	OIL LINE
—CC—	COMMUNICATION CABLE
—E—	ELECTRIC DUTLINE
—T—	TELEPHONE DUTLINE
—O—	MANHOLE VALVE BOX
—X—	ABANDONED LINE
—	IRRIGATION PIPE

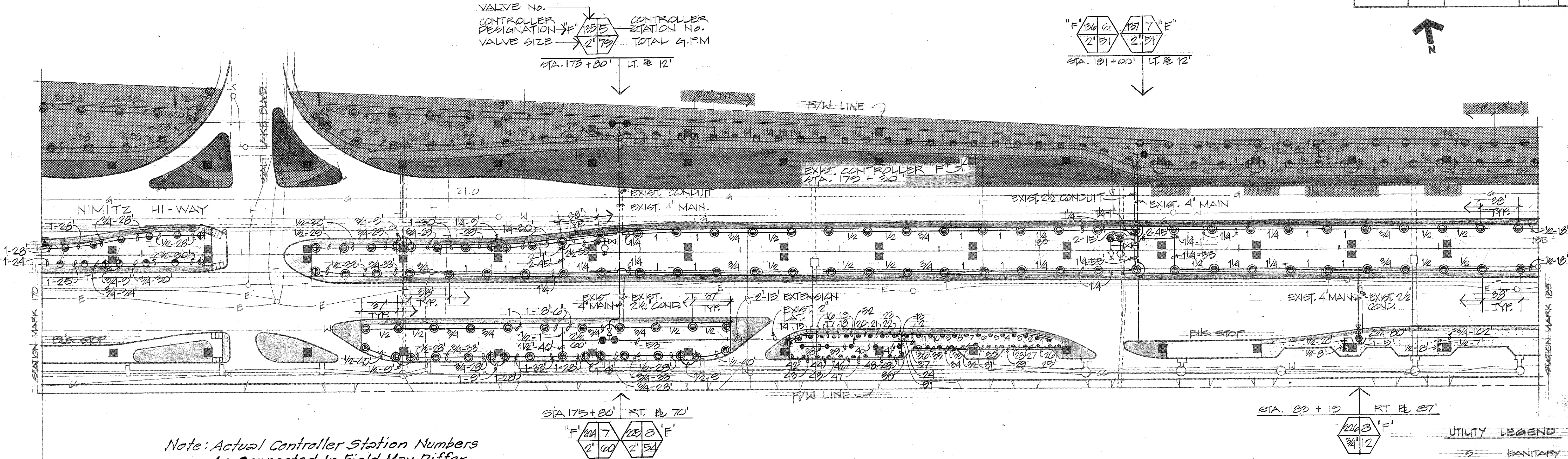


WIRING DIAGRAMS FOR IRRIGATION CONTROLLERS

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 LAND TRANSPORTATION FACILITIES DIVISION
PARTIAL IRRIGATION PLAN & WIRING DIAGRAM
 AIRPORT INTERCHANGE ROADWAY EROSION CONTROL & LANDSCAPING
 F.A.I. PROJ. NO. I-IR-HI-1(173):16
 SCALE: AS SHOWN DATE: FEB 11 1992
SHEET NO. 2 OF 22 SHEETS

SURVEY PLOTTED BY: _____ DATE: _____
 DESIGNED BY: _____
 CHECKED BY: _____
 QUANTITIES BY: _____
 NOTE BOOK NO.: _____

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-IR-HI-1(173)-16	1982	3	22



Note: Actual Controller Station Numbers
As Connected In Field May Differ
From These Tables.

VALVE SYSTEM 225					
PIPE No.	PIPE SIZE	PIPE LENGTH	PIPE No.	PIPE SIZE	PIPE LENGTH
1	1/2"	12'	27	1/2"	12'
2	1/2"	12'	28	1/2"	12'
3	1/2"	12'	29	1/2"	12'
4	1/2"	12'	30	1/2"	12'
5	1/2"	12'	31	3/4"	15'
6	1/2"	12'	32	3/4"	15'
7	3/4"	12'	33	3/4"	12'
8	3/4"	12'	34	3/4"	12'
9	3/4"	12'	35	1"	12'
10	3/4"	12'	36	1"	12'
11	1"	12'	37	1"	42'
12	1"	12'	38	1/2"	24'
13	1"	6'	39	1/2"	24'
14	1/2"	12'	40	1/2"	24'
15	1/2"	12'	41	3/4"	24'
16	1/2"	12'	42	1/2"	13'
17	1/2"	12'	43	1/2"	13'
18	1/2"	12'	44	1/2"	13'
19	1/2"	12'	45	1/2"	13'
20	3/4"	12'	46	1/2"	13'
21	3/4"	12'	47	1/2"	13'
22	3/4"	12'	48	3/4"	23'
23	3/4"	6'	49	3/4"	13'
24	1 1/4"	1'	50	3/4"	15'
25	1/2"	12'	51	1 1/4"	15'
26	1/2"	12'	52	2"	112'
			53	2"	112'

PARTIAL IRRIGATION PLAN
SCALE: 1" = 50'

WATERING SCHEDULES FOR IRRIGATION CONTROLLERS

EXISTING STARTS : 11 P.M. & 1 A.M.				
TOTAL TIME : 8 MIN.				
6	134	5-28	5	405
7	223	6-12	3	72
STATION No.	VALVE No.	SPRINKLER	TIME MIN.	TOTAL GAL.
CONTROLLER "E"				

EXISTING STARTS : 12 A.M. & 2 A.M.				
TOTAL TIME : 28 MIN.				
5	135	5-28	10	790
6	136	5-28	10	510
	137			510
7	224	5-28	10	600
	225			102
8	226	5-12	3	36
STATION No.	VALVE No.	SPRINKLER	TIME MIN.	TOTAL GAL.
CONTROLLER "F"				

EXIST. STARTS : 3 A.M. & 5 A.M.				
TOTAL TIME : 24 MIN.				
4	138	5-28	10	760
5	139	5-28	10	870
6	140	5-28	5	175
7	227	5-21	0	240
	228			180
8	229	5-12	3	174
STATION No.	VALVE No.	SPRINKLER	TIME MIN.	TOTAL GAL.
CONTROLLER "G"				

EXISTING STARTS :				
TOTAL TIME :				
5	141	5-28	10	820
6	230	5-21	0	282
STATION No.	VALVE No.	SPRINKLER	TIME MIN.	TOTAL G.P.M.
CONTROLLER "H"				

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

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 LAND TRANSPORTATION FACILITIES DIVISION

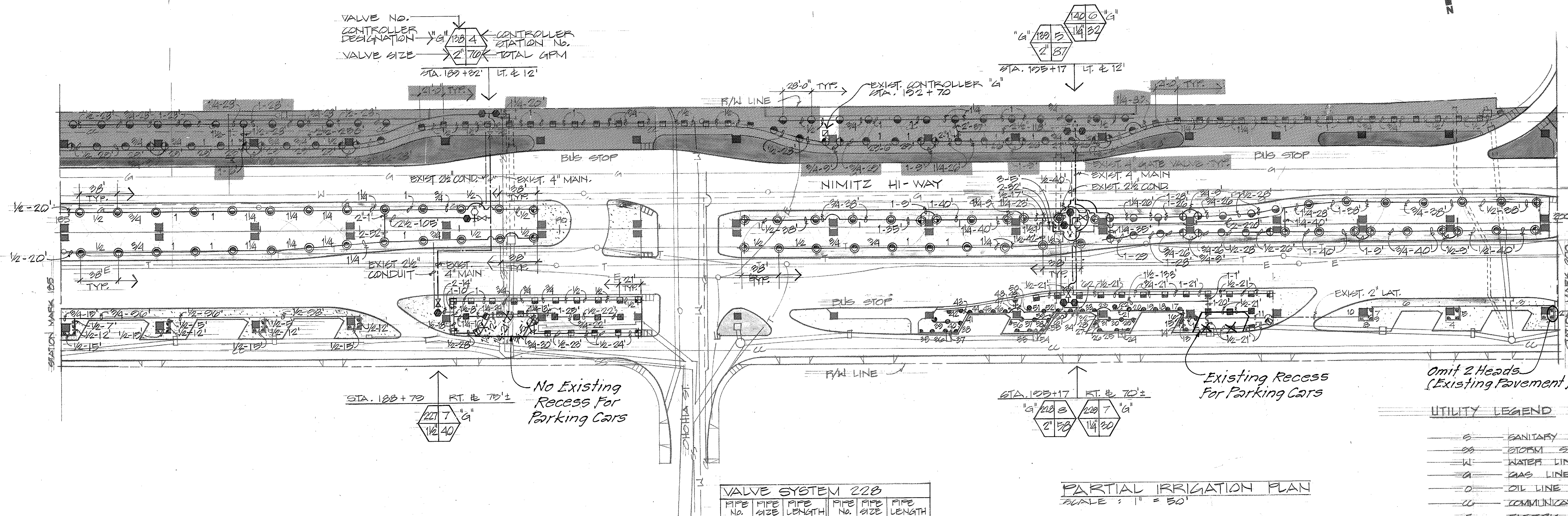
**PARTIAL IRRIGATION PLAN
& WATERING SCHEDULES**

AIRPORT: INTERCHANGE
 ROADWAY EROSION CONTROL & LANDSCAPING
 F.A.I. PROJ. NO. I-IR-HI-1(173)-16
 SCALE: AS SHOWN DATE: 2/3/83

SHEET NO. 3 OF 22 SHEETS

THIS WORK WAS PREPARED BY
 ME OR UNDER MY SUPERVISION
 [Signature]
 Signature

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-IR-HI-1(173):16	1982	4	22



VALVE SYSTEM 228					
PIPE No.	PIPE SIZE	PIPE LENGTH	PIPE No.	PIPE SIZE	PIPE LENGTH
1	1/2"	15'	32	3/4"	10'
2	1/2"	12'	33	1 1/2"	12'
3	1/2"	28'	34	1 1/2"	0'
4	1/2"	15'	35	1/2"	13'
5	1/2"	12'	36	1/2"	14'
6	1/2"	23'	37	1/2"	13'
7	1/2"	8'	38	1/2"	15'
8	1/2"	15'	39	1/2"	13'
9	1/2"	4'	40	1/2"	13'
10	3/4"	5'	41	3/4"	17'
11	3/4"	30'	42	1/2"	12'
12	3/4"	12'	43	1/2"	12'
13	1/2"	12'	44	1"	12'
14	1/2"	5'	45	1"	12'
15	1/2"	5'	46	1"	12'
16	3/4"	10'	47	1"	12'
17	1"	12'	48	1/2"	12'
18	1"	12'	49	1"	13'
19	1"	12'	50	1/2"	5'
20	1"	15'	51	1 1/4"	13'
21	1"	15'	52	1 1/4"	12'
22	1/2"	5'	53	1/2"	12'
23	1 1/4"	20'	54	1/2"	15'
24	1/2"	15'	55	1/2"	15'
25	1/2"	15'	56	1/2"	15'
26	1/2"	12'	57	1/2"	15'
27	1/2"	5'	58	1/2"	15'
28	1/2"	5'	59	3/4"	15'
29	1/2"	15'	60	1 1/4"	12'
30	1/2"	15'	61	1 1/2"	0'
31	1/2"	12'	62	2 1/2"	20'

PARTIAL IRRIGATION PLAN
SCALE: 1" = 50'

ORIGINAL PLAN	DATE
SURVEY PLANNED BY	
DRAWN BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

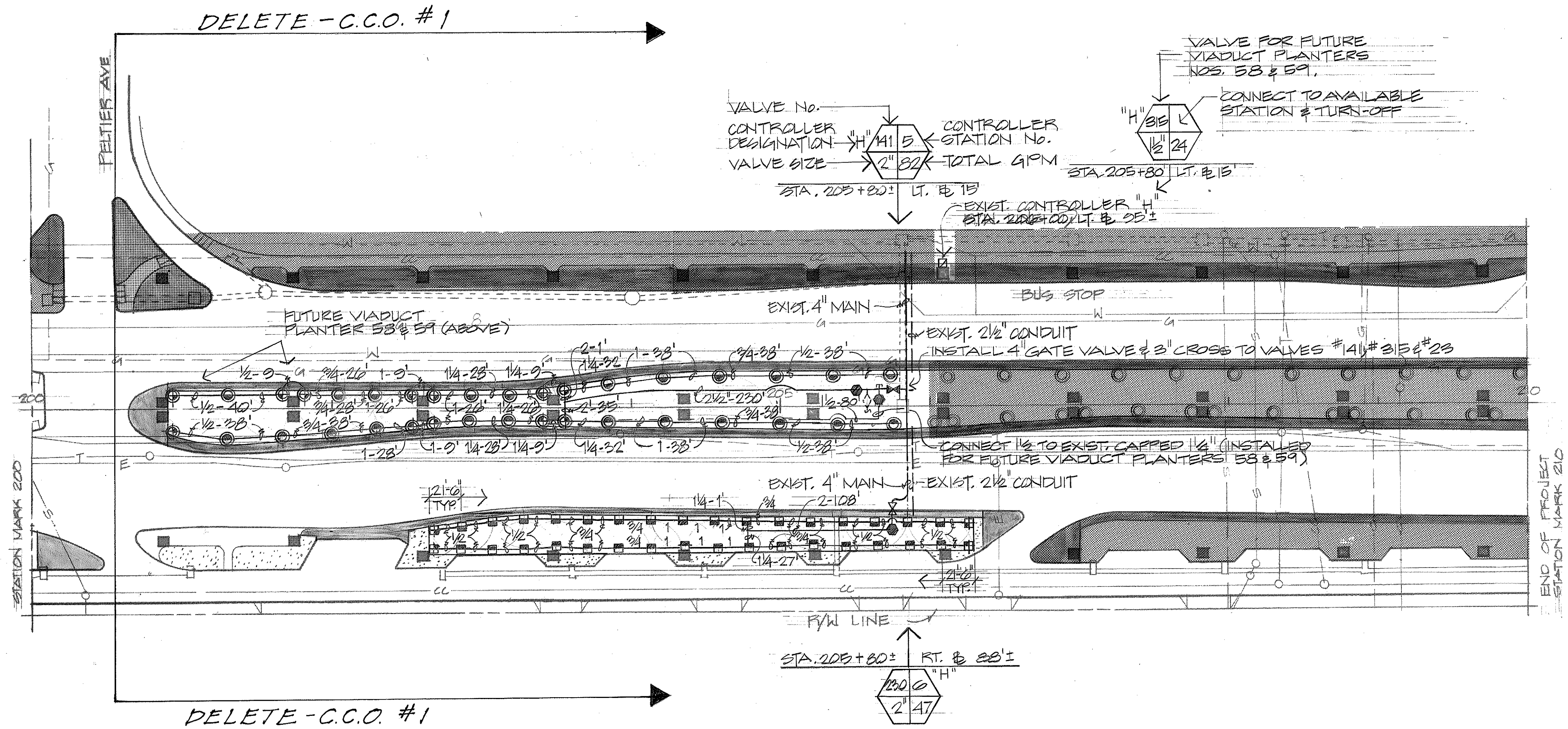
**PARTIAL IRRIGATION PLAN
& WIRING DIAGRAM**

AIRPORT INTERCHANGE
ROADWAY EROSION CONTROL & LANDSCAPING
F.A.I. PROJ. No. I-IR-HI-1(173):16
SCALE: AS SHOWN DATE: 2/3/83

SHEET NO. 4 OF 22 SHEETS

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Signature: *Marvin K. F. Lee*

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-IR-HI-1(173)16	1982	5	22



C.C.O. #1 - Delete All Work
East of Peltier Ave.

PARTIAL IRRIGATION PLAN
SCALE: 1" = 50'

LEGEND FOR UTILITIES			
	S	SANITARY SEWER	
	SS	STORM SEWER	
	W	WATER LINE	
	G	GAS LINE	
	O	OIL LINE	
	CU	COMMUNICATION CABLE (ARMY OR NAVY)	
	T	TELEPHONE DUCTLINE	
	E	ELECTRIC DUCTLINE	
	○	MANHOLE, VALVE BOX	
	- - -	ABANDONED LINE	
	- - -	IRRIGATION PIPE	

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
DATE	

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

PARTIAL IRRIGATION PLAN

AIRPORT INTERCHANGE
ROADWAY EROSION CONTROL & LANDSCAPING
F.A.I. PROJ. NO. I-IR-HI-1(173)16
SCALE: AS SHOWN DATE: 2/3/83

SHEET NO. 5 OF 22 SHEETS