

SPRINKLER SUMMARY

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H11(102)B	1973	23	38

				ESTIMATED QUANTITIES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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I 1-A-1	RT. 68 @ 14+42	KAMI HWY. CONT.	UNFT	66	122																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

NOTE:
FOR PURPOSES OF NOTATION, CONTROLLER QUANTITIES HAVE BEEN INDICATED ON THE VALVE PROGRAMMER FOR EACH ONE OF THAT CONTROLLER.
BECAUSE OF THE NATURE OF THE TWO WIRE SYSTEM, WIRING QUANTITIES FOR TYPE "B" AND TYPE "C" CONTROLLERS HAVE BEEN APPORTIONED TO THE CONTROLLERS RATHER THAN INDIVIDUAL VALVES.

ORIGINAL PLAN
DESIGNED BY
NOTED BY
CHECKED BY

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243 Liliuokalani Ave., Rm. 101
Honolulu, Hawaii 96815

CURTIS Q. M. YEE
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WAI'AWA INTERCHANGE
WATER SPRINKLER SYSTEM
PROJ # I-H11(102)B

SPRINKLER SUMMARY

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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(102)B	1973	24	38

SYSTEM NUMBER		ITEM NUMBER	VALVE LOCATION	UNIT USED	ESTIMATED QUANTITIES																							REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
					1 IN. PVC PIPE	1 1/2 IN. PVC PIPE	2 IN. PVC PIPE	2 1/2 IN. PVC PIPE	3 IN. PVC PIPE	4 IN. PVC PIPE	6 IN. PVC PIPE	8 IN. PVC PIPE	10 IN. PVC PIPE	12 IN. PVC PIPE	14 IN. PVC PIPE	16 IN. PVC PIPE	18 IN. PVC PIPE	20 IN. PVC PIPE	22 IN. PVC PIPE	24 IN. PVC PIPE	26 IN. PVC PIPE	28 IN. PVC PIPE	30 IN. PVC PIPE	32 IN. PVC PIPE	34 IN. PVC PIPE	36 IN. PVC PIPE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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ORIGINAL PLAN	DATE
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WAIAWA INTERCHANGE
WATER SPRINKLER SYSTEM
PROJ # I-H-1(102)B

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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(102)B	1973	25	38

SYSTEM NUMBER	ITEM NUMBER	VALVE LOCATION	UNIT USED	ESTIMATED QUANTITIES										REMARKS
				1 IN. PVC PIPE	1 1/2 IN. PVC PIPE	2 IN. PVC PIPE	2 1/2 IN. PVC PIPE	3 IN. PVC PIPE	4 IN. PVC PIPE	6 IN. PVC PIPE	FA SPRINKLER HEAD	EA	EA	
I-B-K-4	RT. 300' @ 17+00 LOOP #3			550							EA	EA	EA	
I-A-A-1	RT. 300' @ 17+00 H-2 IN. 12" H-1 IN. 12"			50							EA	EA	EA	
A-2	LE. 65' @ 17+00 H-1 IN. 12"			612	240	50					EA	EA	EA	
B-1	LE. 30' @ 17+00 H-2 IN. 12" H-1 IN. 12"			60	60	20					EA	EA	EA	
B-2	LE. 50' @ 17+00 H-2 IN. 12" H-1 IN. 12"			105	210	200					EA	EA	EA	
B-3	LE. 50' @ 17+00 H-2 IN. 12" H-1 IN. 12"			105	210	200					EA	EA	EA	
B-4	LE. 20' @ 17+00 H-2 IN. 12" H-1 IN. 12"			10	10	20					EA	EA	EA	
B-5	LE. 20' @ 17+00 H-2 IN. 12" H-1 IN. 12"			10	10	20					EA	EA	EA	
C-1	RT. 100' @ 500+22 H-1 IN. 12"			147	147	176					EA	EA	EA	
C-2	RT. 100' @ 500+22 H-1 IN. 12"			147	147	176					EA	EA	EA	
C-3	RT. 100' @ 500+22 H-1 IN. 12"			147	147	176					EA	EA	EA	
C-4	RT. 100' @ 500+22 H-1 IN. 12"			147	147	176					EA	EA	EA	
I-B-A-1	RT. 150' @ 10+00 LOOP #3			84							EA	EA	EA	
A-2	RT. 30' @ 17+00 LOOP #3			956	84						EA	EA	EA	
A-3	RT. 25' @ 18+15 LOOP #3			280	84						EA	EA	EA	
A-4	RT. 25' @ 19+05 LOOP #3			280	84						EA	EA	EA	
B-1	RT. 35' @ 20+95 PARRISH HWY.			95	21						EA	EA	EA	
B-2	RT. 40' @ 21+10 PARRISH HWY.			21	21						EA	EA	EA	
B-3	RT. 25' @ 21+05 RAMP "H-G"			44	44						EA	EA	EA	
B-4	RT. 20' @ 1+25 RAMP "H-G"			21	21						EA	EA	EA	
C-1	RT. 25' @ 13+00 LOOP #3			80							EA	EA	EA	
TOTAL				1014	504	189	210	833	803	95	70	805	785	84

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HIGHWAYS DIVISION

WAIAWA INTERCHANGE
WATER SPRINKLER SYSTEM
PROJ # I-HI-1(102)-B

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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(102)B	1973	26	38

		ESTIMATED QUANTITIES		REMARKS
SYSTEM NUMBER	ITEM NUMBER VALVE LOCATION	UNIT USED		
I-5-C-2	RT. 45' @ 3+37 WOP #3	UNFT	400	
	RT. 100' @ 7+03 WOP #3	UNFT	345	
	RT. 24' @ 6+43 WOP #3	UNFT	10	
	RT. 5' @ 10+19 RAMP "G"	UNFT	25	
	RT. 12' @ 12+88 RAMP "G"	UNFT	11	
	RT. 12' @ 13+44 RAMP "G"	UNFT	13	
	RT. 45' @ 12+00 RAMP "G"	UNFT	40	
	RT. 35' @ 13+10 RAMP "G"	UNFT	12	
	RT. 21' @ 22+34 RAMP "G"	UNFT	12	
	RT. 80' @ 8+10 RAMP "H-G"	UNFT	225	
	RT. 70' @ 10+28 RAMP "H-G"	UNFT	300	
	RT. 75' @ 21+40 RAMP "G"	UNFT	40	
	RT. 75' @ 21+40 RAMP "G"	UNFT	27	
	RT. 35' @ 33+23 RAMP "H-G"	UNFT	60	
	RT. 35' @ 20+84 RAMP "H-G"	UNFT	60	
I-6-A-1	RT. 20' @ 5+20 NAVY DRUM SPR. RD.	UNFT	140	
	RT. 20' @ 7+88 NAVY DRUM SPR. RD.	UNFT	140	
	RT. 20' @ 9+24 NAVY DRUM SPR. RD.	UNFT	116	
	RT. 20' @ 11+08 NAVY DRUM SPR. RD.	UNFT	116	
	RT. 20' @ 11+23 NAVY DRUM SPR. RD.	UNFT	116	
	RT. 20' @ 12+30 NAVY DRUM SPR. RD.	UNFT	116	
	RT. 20' @ 13+50 NAVY DRUM SPR. RD.	UNFT	116	
TOTAL			493	

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
NO.	

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WAIAWA INTERCHANGE
WATER SPRINKLER SYSTEM
PROJ # I-HI-1(102)B

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HAWAII	HAW.	I-HI-1(102)B	1973	27	38

SYSTEM NUMBER	ITEM NUMBER	VALVE LOCATION	ESTIMATED QUANTITIES		REMARKS
			UNIT USED		
I-6-A-8	B-1	RT. 1/2" @ 4+55 NORTH DRAIN SPR. RD.	123	1 IN. P.V.C. PIPE	
	B-2	RT. 1/2" @ 7+55 NORTH DRAIN SPR. RD.	120	1 1/2 IN. P.V.C. PIPE	
	B-3	RT. 1/2" @ 11+55 NORTH DRAIN SPR. RD.	100	2 IN. P.V.C. PIPE	
	B-4	RT. 1/2" @ 14+55 NORTH DRAIN SPR. RD.	100	2 1/2 IN. P.V.C. PIPE	
	C-1	RT. 1/2" @ 15+55 RAMP "C"	15	4 IN. P.V.C. PIPE	
	C-2	RT. 1/2" @ 15+55 RAMP "C"	15	6 IN. P.V.C. PIPE	
	D-1	RT. 1/2" @ 15+55 H-1 AUTO	15	6 IN. P.V.C. PIPE	
	E-1	RT. 1/2" @ 15+55 LOOP "A"	15	6 IN. P.V.C. PIPE	
	G-1	RT. 1/2" @ 15+55 RAMP "A"	15	6 IN. P.V.C. PIPE	
	H-1	RT. 1/2" @ 15+55 RAMP "A"	15	6 IN. P.V.C. PIPE	
I-7-A-1	B-1	RT. 1/2" @ 3+10 WAIANA RD. REALTY	20	1 IN. P.V.C. PIPE	
	C-1	RT. 1/2" @ 12+55 RAMP "C"	12	4 IN. P.V.C. PIPE	
	C-2	RT. 1/2" @ 12+55 WAIANA RD. REALTY	12	6 IN. P.V.C. PIPE	
	C-3	RT. 1/2" @ 12+55 RAMP "C"	12	6 IN. P.V.C. PIPE	
	D-1	RT. 1/2" @ 12+55 RAMP "C"	12	6 IN. P.V.C. PIPE	
	D-2	RT. 1/2" @ 12+55 RAMP "C"	12	6 IN. P.V.C. PIPE	
	D-3	RT. 1/2" @ 12+55 RAMP "C"	12	6 IN. P.V.C. PIPE	
	D-4	RT. 1/2" @ 12+55 RAMP "C"	12	6 IN. P.V.C. PIPE	
	D-5	RT. 1/2" @ 12+55 H-1 AUTO	12	6 IN. P.V.C. PIPE	
	TOTAL				

DATE	
DESIGNED BY	
TRACED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WAIANA INTERCHANGE
WATER SPRINKLER SYSTEM
PROJ # I-HI-1(102)-B

SPRINKLER SUMMARY

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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(102)B	1973	28	33

SYSTEM NUMBER	ITEM NUMBER	VALVE LOCATION	UNIT USED	ESTIMATED QUANTITIES																								REMARKS
				1 IN. PVC PIPE	1 1/2 IN. PVC PIPE	2 IN. PVC PIPE	2 1/2 IN. PVC PIPE	3 IN. PVC PIPE	4 IN. PVC PIPE	6 IN. PVC PIPE	FA SPRINKLER HEAD	EA FB	EA FC	EA FD	EA FE	EA FF	EA FG	EA FH	EA FI	EA FJ	EA FK	EA FL	EA FM	EA FN	EA FO	EA FP	EA FQ	
I-7-0-0	1	1/2" @ 17+28 NAVY DRUM SIDE RD.	UNFT	70	70	80	40																					
E-1	2	1/2" @ 17+38 NAVY DRUM SIDE RD.	UNFT	158	158	140	280	400	380	245																		
E-2	3	1/2" @ 17+38 NAVY DRUM SIDE RD.	UNFT	158	158	140	280	400	380	245																		
E-3	4	1/2" @ 22+48 NAVY DRUM SIDE RD.	UNFT	140	280	380	400	380	245																			
E-4	5	1/2" @ 20+50 NAVY DRUM SIDE RD.	UNFT	140	280	380	400	380	245																			
E-5	6	1/2" @ 23+28 NAVY DRUM SIDE RD.	UNFT	140	280	380	400	380	245																			
E-6	7	1/2" @ 23+40 NAVY DRUM SIDE RD.	UNFT	140	280	380	400	380	245																			
F-1	8	1/2" @ 19+40 NAVY DRUM SIDE RD.	UNFT	350	350	210	350	228	175	245																		
F-2	9	1/2" @ 24+20 NAVY DRUM SIDE RD.	UNFT	350	350	210	350	228	175	245																		
G-1	10	1/2" @ 22+80 NAVY DRUM SIDE RD.	UNFT	105	350	210	350	228	175	245																		
G-2	11	1/2" @ 22+80 NAVY DRUM SIDE RD.	UNFT	105	350	210	350	228	175	245																		
H-1	12	1/2" @ 11+88 FARE HWY. INTER.	UNFT	14																								
H-2	13	1/2" @ 13+88 FARE HWY. INTER.	UNFT	14																								
H-3	14	1/2" @ 13+88 FARE HWY. INTER.	UNFT	14																								
I-1	15	1/2" @ 10+52 WAIANA RD. REAL MT.	UNFT	23	172	10	296	98	80	150																		
G" MAIN LINE "A"			UNFT	100	300																							
G" MAIN LINE "B"			UNFT	100	300																							
G" OFFSITE MAIN			UNFT	100	300																							
COMMON GROUND "A"	CONTROLLER A,B,C,D,E,F,G,H		UNFT																									
COMMON GROUND "B"	CONTROLLER A,B,C,D,E,F,G,H		UNFT																									
COMMON GROUND "C"			UNFT																									
COMMON GROUND "D"			UNFT																									
TOTAL			UNFT	100	300																							

DATE: _____
SURVEY PLOTTED BY: _____
DRAWN BY: _____
DESIGNED BY: _____
CHECKED BY: _____
NOTE BOOK: _____
No. _____

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