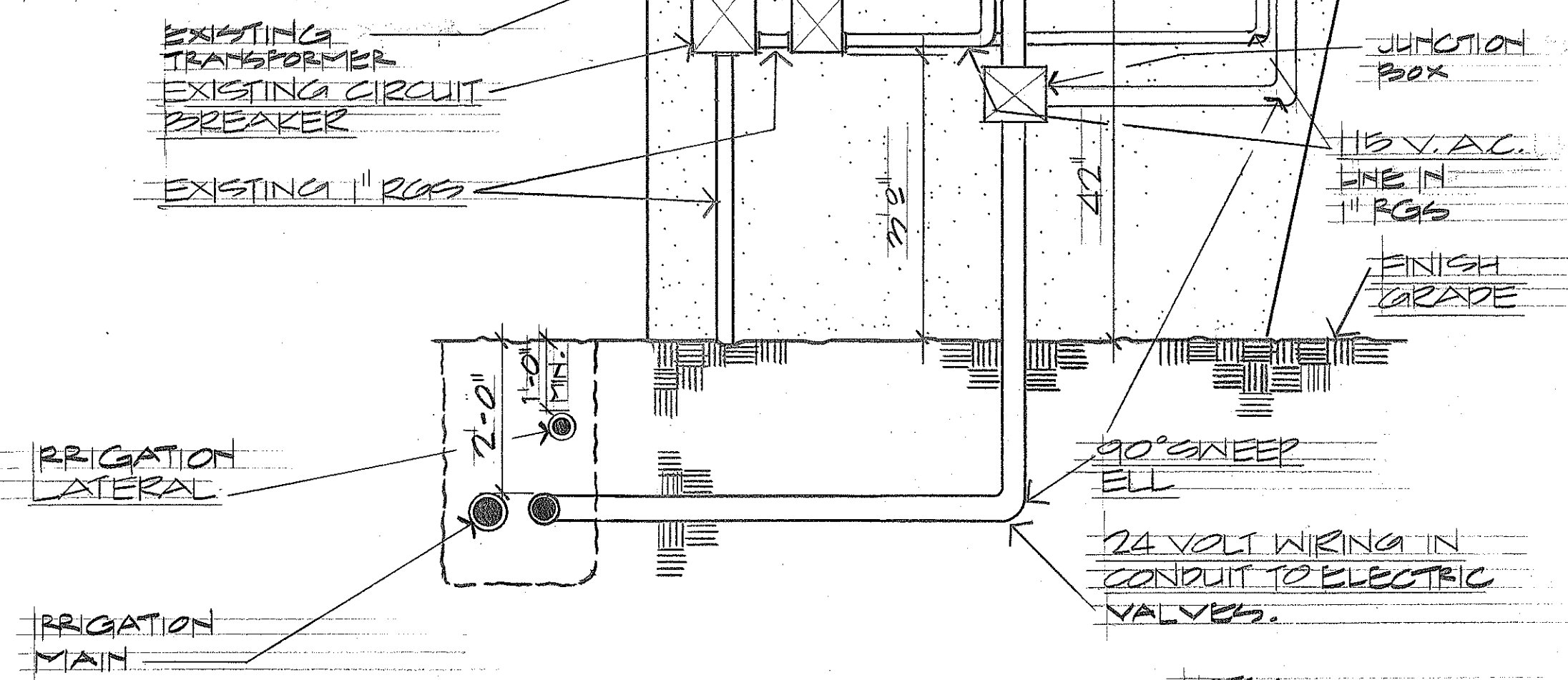
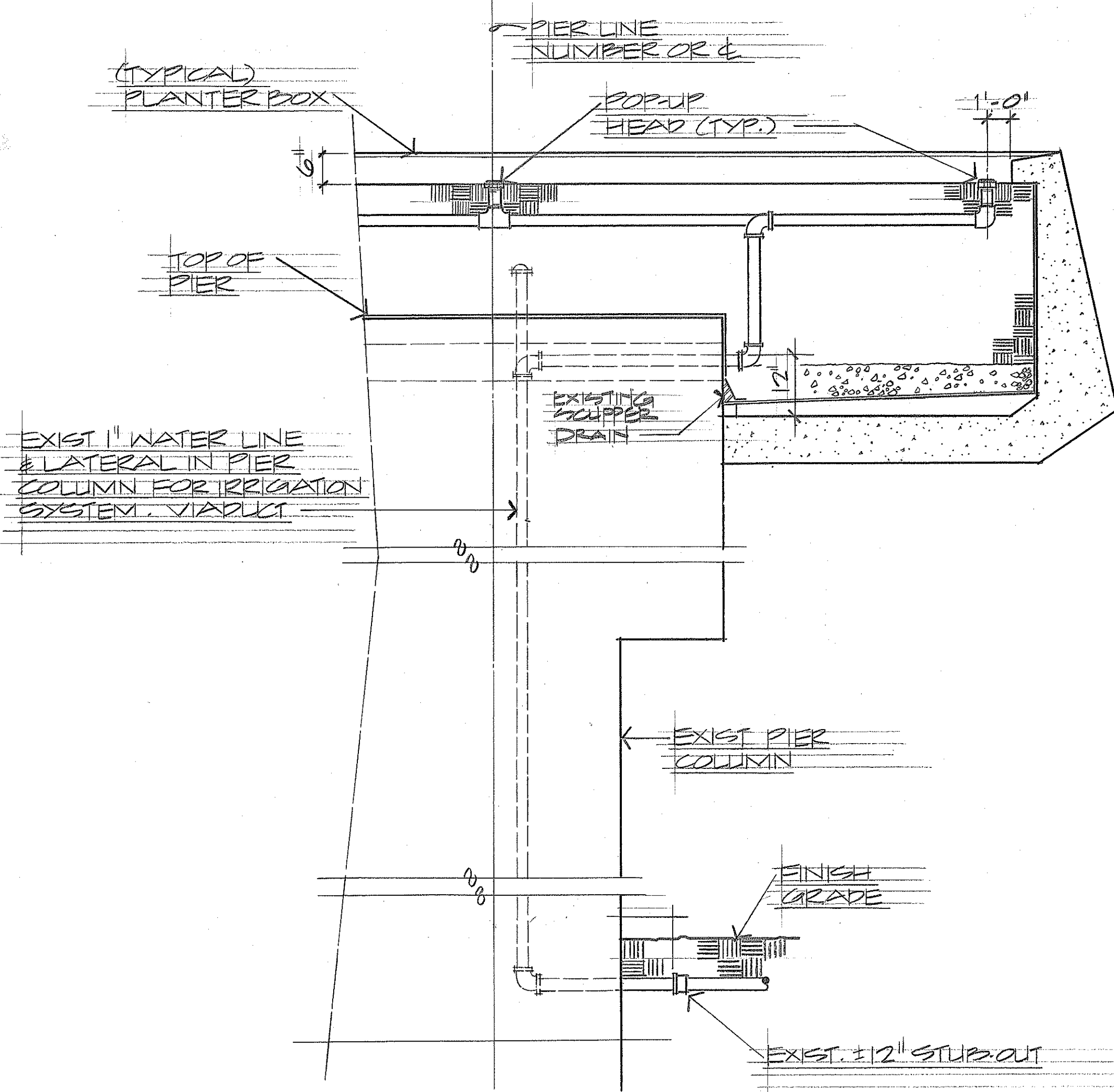


AUTOMATIC SPRINKLER CONTROL UNIT - WALL MOUNTED ON CONTROLLERS "A", "B" & "C" ON EAST SIDE OF PIER COLUMN. CONTROLLERS "D" & "E" ON WEST SIDE OF PIER COLUMN.



CONTROLLER DETAIL
NO SCALE

NOTE:
SUBMIT SHOP DRAWINGS OF CONTROLLER CONNECTION FOR APPROVAL.

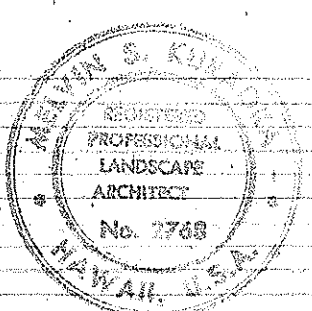


PLANTER BOX DETAIL
NO SCALE

IRRIGATION LEGEND

SYMBOL	DESCRIPTION	RADIUS	P.S.I.	G.P.M.	TYP. O.C. SPAC. (SEE NOTE #5)	REMARKS
	3" POP-UP STREAM ROTOR, 360° CIRCLE	21'-3"	75-60	4.0	20'-0"	2 3/4" POP-UP, 3/4" INLET, RADIUS ADJUSTMENT SCREW, CYCOLAC BODY
	" " " " " " 180° " "	21'-3"	75-60	2.0	"	
	" " " " " " 120° " "	21'-3"	75-60	1.5	"	
	" " " " " " 90° " "	21'-3"	75-60	1.0	"	
	2" POP-UP STREAM ROTOR, 360° CIRCLE	21'-4"	40-60	6.0	25'-0"	2 3/8" POP-UP, 1" INLET, RADIUS ADJUSTMENT SCREW, INTEGRAL 15 FOOT HEAD CHECK VALVE, CYCOLAC BODY, LOCKING CAP
	" " " " " " 180° " "	21'-4"	40-60	6.0	"	
	" " " " " " 120° " "	21'-4"	40-60	6.0	"	
	" " " " " " 90° " "	21'-4"	40-60	6.0	"	
	12" POP-UP STREAM ROTOR, 360° CIRCLE	21'-3"	75-60	4.0	20'-0"	12 3/4" POP-UP, 3/4" INLET, RADIUS ADJUSTMENT SCREW, CYCOLAC BODY
	" " " " " " 180° " "	21'-3"	75-60	2.0	"	
	" " " " " " 120° " "	21'-3"	75-60	1.5	"	
	" " " " " " 90° " "	21'-3"	75-60	1.0	"	
	12" POP-UP STREAM ROTOR, 180° CIRCLE	20'-4 1/2"	75-60	3.0	25'-0"	12 3/4" POP-UP, 3/4" INLET, RADIUS ADJUSTMENT SCREW, CYCOLAC BODY
	" " " " " " 90° " "	20'-4 1/2"	75-60	2.0	"	
	4" POP-UP SPRAY HEAD, 360° CIRCLE	0'-15"	25-30	0-4.0	12'-0"	1/2" INLET, PLASTIC BODY & NOZZLE, INTEGRAL 7 FOOT HEAD CHECK VALVE
	" " " " " " 180° " "	0'-15"	25-30	0-2.0	"	
	" " " " " " 120° " "	0'-15"	25-30	0-1.5	"	
	" " " " " " 90° " "	0'-15"	25-30	0-1.0	"	
	4" POP-UP SPRAY HEAD, STRIP, 360° CIRCLE	0'-4' x 30'	25-30	0-1.5	12'-0"	1/2" INLET, PLASTIC BODY & NOZZLE, INTEGRAL 7 FOOT HEAD CHECK VALVE
	" " " " " " 180° CIRCLE	0'-15"	10-30	0-1.5	"	
	" " " " " " 120° CIRCLE	0'-15"	10-30	0-1.0	"	
	" " " " " " 90° CIRCLE	0'-15"	10-30	0-1.0	"	
	12" POP-UP SPRAY HEAD, 360° CIRCLE	0'-15"	25-30	0-4.0	12'-0"	1/2" INLET, PLASTIC BODY & NOZZLE, INTEGRAL 7 FOOT HEAD CHECK VALVE
	" " " " " " 180° " "	0'-15"	25-30	0-2.0	"	
	" " " " " " 120° " "	0'-15"	25-30	0-1.5	"	
	" " " " " " 90° " "	0'-15"	25-30	0-1.0	"	
	12" POP-UP SPRAY HEAD, STRIP, 360° CIRCLE	0'-4' x 30'	25-30	0-1.5	12'-0"	1/2" INLET, PLASTIC BODY & NOZZLE, INTEGRAL 7 FOOT HEAD CHECK VALVE
	" " " " " " 180° CIRCLE	0'-15"	10-30	0-1.5	"	
	" " " " " " 120° CIRCLE	0'-15"	10-30	0-1.0	"	
	" " " " " " 90° CIRCLE	0'-15"	10-30	0-1.0	"	
	VALVE MANIFOLD: 24 VOLT ELECTRIC VALVE W/ ANGLE VALVE UPSTREAM AND GATE VALVE DOWNSTREAM					
	GATE VALVE, CLASS 125, BRONZE BODY, 4" & 6" VALVES W/ CLASS 125 IRON BODY, BOARD OF WATER SUPPLY APPROVED					
	3/4" PRESSURE RELIEF VALVE, 20-200 PSI, BRONZE BODY, DIAPHRAGM ACTIVATED GLOBE VALVE					
	3/4" AIR RELIEF VALVE, 3/8" OUTLET					
	1" QUICK COUPLER, 2 PIECE BRONZE BODY, LOCKING RUBBER COVER					
	IRRIGATION MAIN, PVC CLASS 200 RING TITE, WATER PIPE SDR 21 IPS, DR-14, C-900, C.I.O.D. (SEE SHT. # C.O. ADD 10 FOR LOCATION)					
	IRRIGATION LATERAL, PVC SCH. 40, SEE NOTE #12 ON SHT. ADD 14.					
	IRRIGATION CONTROLLER, WALL MOUNT, ELECTROMECHANICAL TYPE IN LOCKING METAL CABINET, DUAL PROGRAM					
	SIZE OF GATE VALVE					
	CONTROLLER DESIGNATION/CIRCUIT NUMBER					
	G.P.M. / VALVE SIZE					
	EXISTING SLEEVE					
	SIZE OF EXISTING SLEEVE					
	INVERT					

FOR IRRIGATION NOTES, SEE SHEET 14



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Michael S. Ruppel

DATE	REVISION
7-16-87	ADDED TO LOT 1 PIER MAIN, PVC CLASS 200 RING TITE (SEE SHT. # C.O. ADD. 10 FOR LOCATION)
3/9/87	IN THE IRRIGATION LEGEND, NOTE ADDED TO "IRRIGATION MAIN, PVC SCH. 40" PER ADDENDUM NO. 1.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**IRRIGATION LEGEND,
NOTES & DETAILS**

KEEHI INTERCHANGE LANDSCAPING
(WEST OF MOANALUA STREAM)
FAIP NO. IR-HI-1(200)-17

SCALE: AS SHOWN DATE: MAY 1986

SHEET NO. 12 OF 20 SHEETS

C.O. ADD. 12