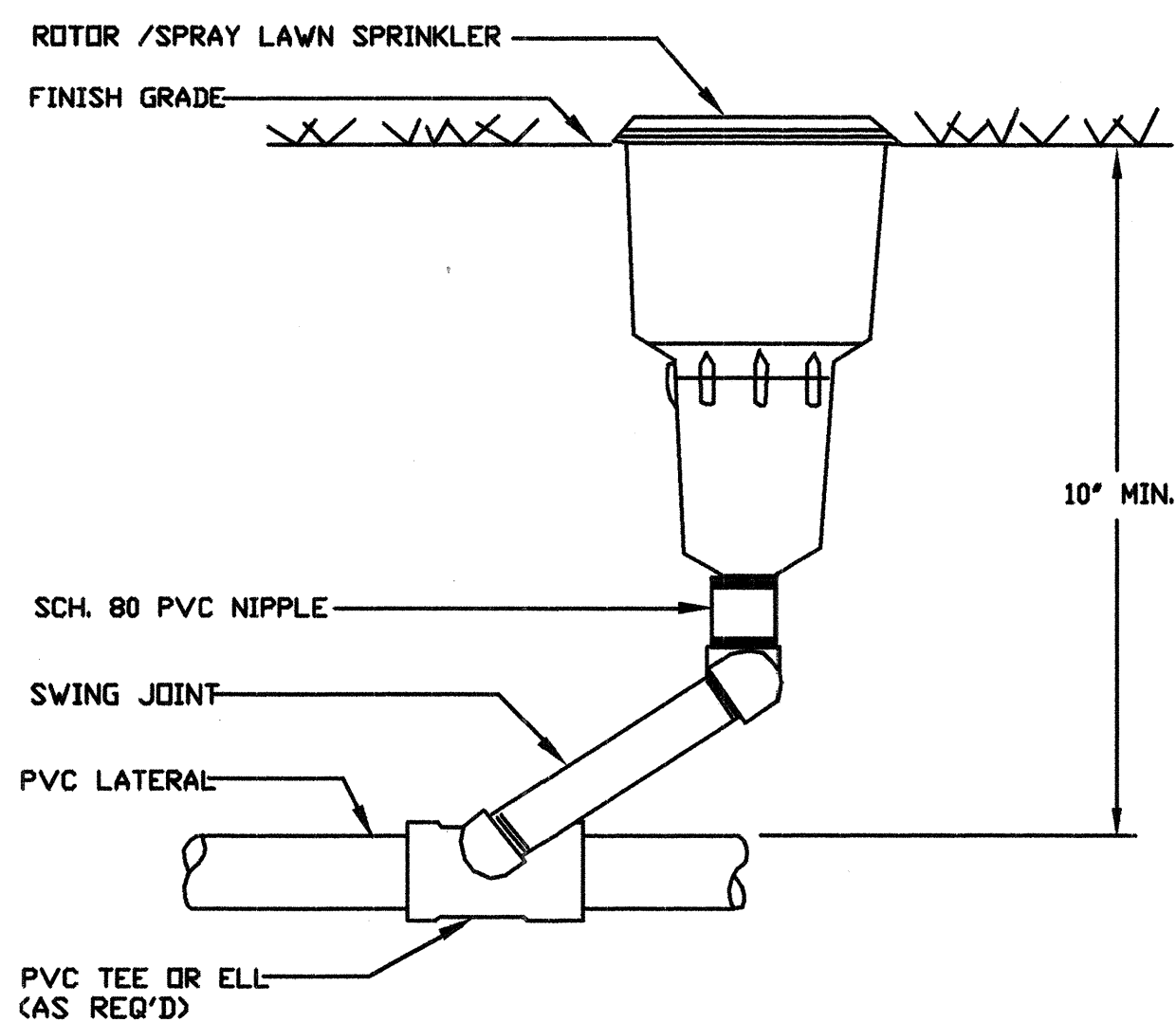
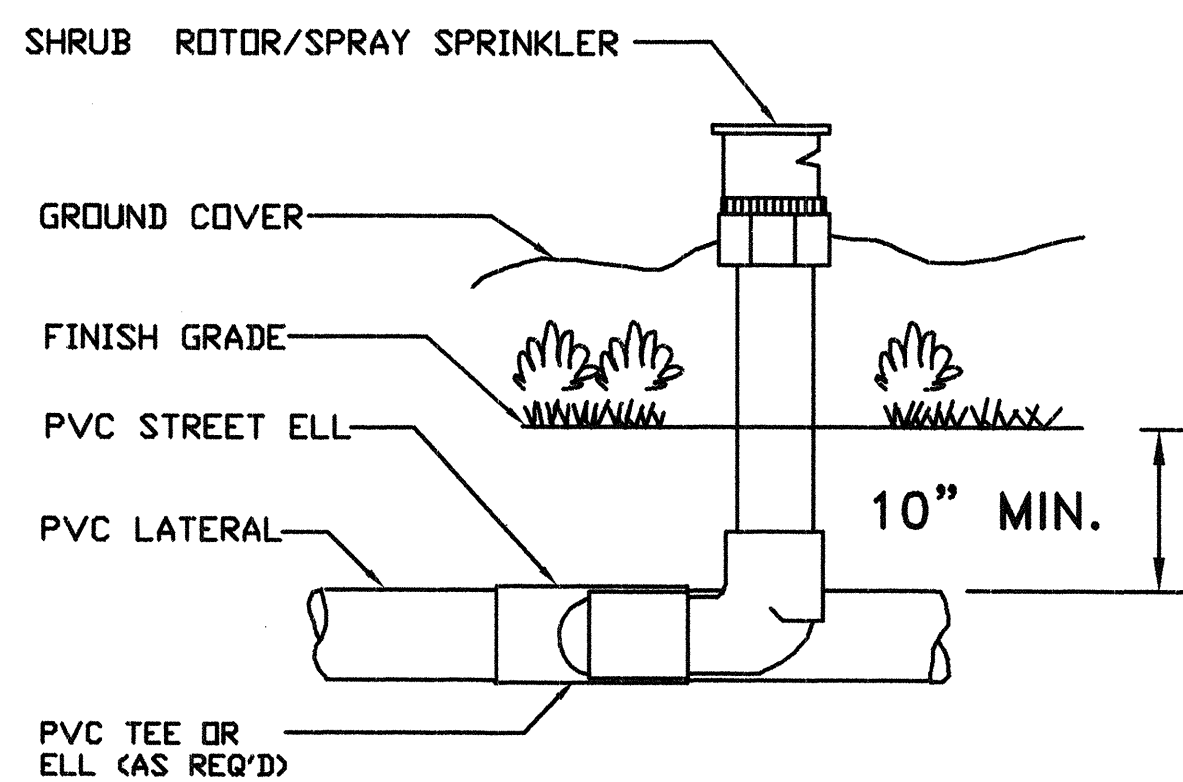


SHRUB ROTOR/SPRAY SPRINKLER  
NO SCALE



LAWN ROTOR/SPRAY SPRINKLER  
NO SCALE























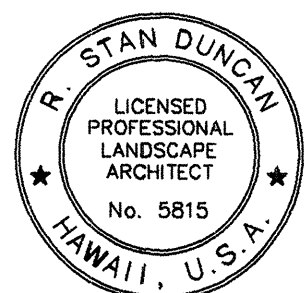
ROTOR/SPRAY SPRINKLER ON RISER  
NO SCALE

IRRIGATION LEGEND	
SYMBOL	DISCRIPTION OF EQUIPMENT
C	CENTRAL COMPUTER CONTROL SYSTEM WITH RADIO LINK COMMUNICATION BETWEEN CENTRAL AND FIELD SATELLITE CONTROLLERS, TO INCLUDE ALL WIRING, RADIO ANTENNAS, SOFTWARE AND RELATED EQUIPMENT AS RECOMMENDED BY THE MANUFACTURER. SYSTEM SHALL BE OF THE SAME BRAND AS SATELLITE CONTROLLERS. RAIN BIRD MAXICOM WITH CCU-28 INTERFACE OR RAIN MASTER EVOLUTION DX2 W/EV-RAD-BV OR MOTOROLA SCADA WITH RTU OR ACCEPTABLE EQUAL TO BE LOCATED WITHIN THE STATE OF HAWAII OFFICE COMPLEX IN LIHUE, KAUAI, HI
[Symbol]	FIELD SATELLITE CONTROLLER WITHIN A NEMA 4 ENCLOSURE- 240V. SATELLITE SHALL BE CAPABLE OF STAND-ALONE OPERATION AS WELL AS OPERATION VIA THE CENTRAL, TO INCLUDE ALL RELATED INTERFACES AS REQUIRED RAIN BIRD ESP-32-SAT-LINK-SS WITH DEC-PUL RAIN MASTER DX36-PS WITH DX-03 SENSOR OR MOTOROLA SCORPIO V2 WITH SENSOR BOARD
F	REMOTE CONTROL VALVE WITH SELF-CLEANING FEATURE, PRESSURE REGULATION DEVICE AND LOW-FLOW CAPABILITY (SIZE AS SHOWN) RAIN BIRD MODEL XXX-PESB-PRS-B BERMAD XXX-220-55, HARDIE 703-X-XX OR ACCEPTABLE EQUAL
[Symbol]	FLOW SENSOR (TO BE INSTALLED BY SUPPLY PIPE CONTRACTOR - IRRIGATION CONTRACTOR TO WIRE TO NEAREST SATELLITE CONTROLLER'S SENSOR BOARD (OR DECODER) IF RAIN BIRD
NOT SHOWN SEE DETAILS	IN-LINE DRIP EMITTER TUBING WITH TREFLAN, NON-PRESSURE COMENSATING, 1.04 GPH, 18" SPACING BETWEEN EMITTERS, 24" SPACING BETWEEN ROWS, TORO DL2000 RGN-4-18-10 WITH ROOTGUARD, DRIP-IN, GEOFLOW, NETAFIM OR ACCEPTABLE EQUAL - SEE DETAILS
NOT SHOWN SEE DETAILS	BLANK POLY DRIP TUBING FOR TREE SYSTEMS ONLY TORO MODEL A710, DRIP-IN GEOFLOW, NETAFIM OR ACCEPTABLE EQUAL - SEE DETAILS
[Symbol]	POINT OF CONNECTION TO IRRIGATION SUPPLY PIPE TO INCLUDE 2" GATE VALVE PROVIDED BY IRRIGATION SUPPLY PIPE CONTRACTOR. THE IRRIGATION CONTRACTOR SHALL PROVIDE A 40 MESH WYE STRAINER (2"), GRISWALD 2285 OR EQUAL PRESSURE REGULATION VALVE (SET 55 PSI) WITHIN A JUMBO VALVE BOX PRIOR TO THE INSTALLATION OF THE REMOTE CONTROL VALVES

VALVE LEGEND

101	← CONTROLLER NO.
1	← STATION NO.
1.5"	← VALVE SIZE
50	← GPM

IRRIGATION LEGEND					
SYMBOL	ANGLE	MANUFACTUERER/ CATALOG NUMBER	GPM	PSI	RADIUS
	90°	SHRUB-TYPE ROTARY SPRINKLER WITH 12" POP-UP RISER, CHECK VALVE AND RECLAIMED WATER COVER (HUNTER PGP-ARV-XX, TORO S700HP-XC-CKLV-XX, RAIN BIRD T12XC-T40-XX-NP OR ACCEPTABLE EQUAL ADJUSTABLE PART CIRCLE	1.20	50	31'
	180°	ADJUSTABLE PART CIRCLE	2.00	50	38'
	360°	FULL CIRCLE	4.20	50	42'
	90°	LAWN-TYPE ROTARY SPRINKLER WITH 4" POP-UP RISER, CHECK VALVE AND RECLAIMED WATER COVER (HUNTER PGP-ARV-XX, TORO S700C-XC-CKLV-XX, RAIN BIRD T4XC-T40-XX-NP OR ACCEPTABLE EQUAL ADJUSTABLE PART CIRCLE	1.20	50	31'
	180°	ADJUSTABLE PART CIRCLE	2.00	50	38'
	360°	FULL CIRCLE	4.20	50	42'
	90°	SHRUB SPRAY TYPE 12" HIGH POP SPRINKLER WITH CHECK VALVE, MATCHED PRECIPITATION RATE NOZZLES AND PRESSURE REGULATION FEATURES RAIN BIRD 1812-SAM-PRS-15X TORO 570Z-12P-15X-COM-PC BUCKNER SP12A-CV-P15XP-PR OR ACCEPTABLE EQUAL QUARTER CIRCLE - STANDARD	0.85	30	15'
	120°	THIRD CIRCLE-STANDARD	1.10	30	15'
	180°	HALF CIRCLE - STANDARD	1.65	30	15'
	240°	TWO-THIRD - STANDARD	2.30	30	15'
	270°	THREE-QUARTER - STANDARD	2.60	30	15'
	360°	FULL CIRCLE - STANDARD	3.60	30	15'
	SST	SIDE-STRIP -STANDARD	1.20	30	4'X15'
	90°	LAWN SPRAY TYPE 4" POP-UP SPRINKLER WITH CHECK VALVE MATCHED PRECIPITATION RATE NOZZLES AND PRESSURE REG-ULATION FEATURES RAIN BIRD 1804-SAM-PRS-15X TORO 570Z-4P-15X-COM-PC BUCKNER SP-4A-CV-P15XP-PR OR ACCEPTABLE EQUAL QUARTER CIRCLE - STANDARD	0.85	30	15'
	120°	THIRD CIRCLE-STANDARD	1.10	30	15'
	180°	HALF CIRCLE - STANDARD	1.65	30	15'
	240°	TWO-THIRD - STANDARD	2.30	30	15'
	270°	THREE-QUARTER - STANDARD	2.60	30	15'
	360°	FULL CIRCLE - STANDARD	3.60	30	15'
	SST	SIDE-STRIP -STANDARD	1.20	30	4'X15'



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
  
LANDSCAPE IRRIGATION LEGEND  
NOTES AND DETAILS  
**LIHUE GATEWAY LANDSCAPE  
BEAUTIFICATION PROJECT**

SCALE: No Scale DATE: July 31, 1998  
SHEET No. LI2-05 OF 5 SHEETS