

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURE/MODEL NO.	DESCRIPTION	DETAIL REFERENCE
	POINT OF CONNECTION	STUBS PROVIDED BY ENGINEER	N/A
	SCHEDULE 40 PVC	MAINLINE	A - L3.3
	CLASS 200 PVC	LATERAL PIPING	A - L3.3
	SCHEDULE 40 PVC	SLEEVEING FOR PIPING AND WIRE	N/A
	FEBCO 825YD - 4"	REDUCED PRESSURE BACKFLOW PREVENTER W/ 4" BY-PASS FOR PUMP.	G - L3.3
	GOULDS 3656 M GROUP 25 HORSEPOWER	460 VOLT, 3-PHASE BOOSTER PUMP WITH PANEL PRESSURE SWITCH AND 200 AMP SERVICE DISCONNECT.	N/A
	HARDIE 700 SERIES	ELECTRIC CONTROL VALVE FOR LAWN	E - L3.3
	HARDIE 700 SERIES - 1"	ELECTRIC CONTROL VALVE FOR DRIP EMITTERS	F - L3.3
	NIBCO	BRASS GATE VALVE, PER LINE SIZE	B,C - L3.3
	RAINBIRD 44 RC	QUICK COUPLING VALVE	D - L3.3
	HUNTER I-40 ADS	ROTOR - SEE NOTE NO.4	A - L3.4
	HUNTER I-20 ADS, 25 TRAJECTORY	ROTOR - SEE NOTE NO.4	A - L3.4
	HUNTER I-20 ADS, 13 TRAJECTORY	ROTOR - SEE NOTE NO.4	A - L3.4
	RAINBIRD 1806 - B15 SERIES	POP-UP SPRAY HEAD WITH BRASS NOZZLES AT 30 PSI	B - L3.4
	RAINBIRD 1806 - B12 SERIES	POP-UP SPRAY HEAD WITH BRASS NOZZLES AT 30 PSI	B - L3.4
	BOWSMITH SL SERIES	DRIP EMITTER (SEE EMITTER QTY PER PLANT SIZE)	C,F - L3.4
	RAINBIRD CCU-1	CLUSTER CONTROLLER UNIT	D - L3.4
	RAINBIRD SBM - 1230 - LR	ELECTRIC CONTROLLER	D - L3.4
	WILKINS 92-3/4"	PRESSURE REDUCING VALVE	E - L3.4
	AGRICULTURE PRODUCTS 4-E-3/4-B	WYE TYPE FILTER WITH BALL VALVE STAINLESS STEEL FILTER	G - L3.4
	AUTO-GROW SMC SERIES	FERTILIZER INJECTION SYSTEM (SEE DETAILS)	H - L3.3
	INDICATES AUTOMATIC SPRINKLER CONTROL STATION NUMBER AND FLOW IN GAL/MIN INDICATES ELECTRIC CONTROL VALVE SIZE		

<u>EMITTER SCHEDULE</u>		
SIZE	G.P.H.	EMITTER QTY
36" BOX	8	4 (S-20-L)
24" BOX	6	3 (S-20-L)
15 GAL	4	2 (S-20-L)
5 GAL	1	1 (S-10-L)
1 GAL	1	1 (S-10-L)

IRRIGATION NOTES

1. REFER TO TECHNICAL SPECIFICATIONS AND CONSTRUCTION DETAILS FOR INSTALLATION PROCEDURES.
2. SYSTEM HAS BEEN DESIGNED FOR A MINIMUM STATIC WATER PRESSURE OF 45 PSI AT THE CONNECTION TO 6" WATER SERVICE LINE STUB. CONTRACTOR TO FIELD VERIFY PRESSURE PRIOR TO ORDERING MATERIALS OR STARTING IRRIGATION INSTALLATION AND NOTIFY CONSULTANT OF ANY DIFFERENCE FROM STATED PRESSURE. IF CONTRACTOR FAILS TO NOTIFY CONSULTANT HE ASSUMES FULL RESPONSIBILITY FOR ANY SYSTEM ALTERATIONS.
3. CONTRACTOR TO COORDINATE INSTALLATION OF SLEEVING WITH INSTALLATION OF CONCRETE FLOWTANK AND PAVING ALL SLEEVING IS BY CONTRACTOR UNLESS OTHERWISE NOTED. INSTALL SLEEVING BASED ON THE SLEEVE SIZING GUIDE BELOW:

PIPE SIZE OR WIRE QUANTITY	REQUIRED SLEEVING
3/4" - 1 1/4" PVC LATERAL	1 - 2" PVC SLEEVE
1 1/2" PVC LATERAL	1 - 4" PVC SLEEVE
2" PVC MAINLINE	1 - 4" PVC SLEEVE
2 1/2" PVC MAINLINE OR LAT.	1 - 6" PVC SLEEVE
3" PVC MAINLINE	1 - 6" PVC SLEEVE
4" PVC MAINLINE	1 - 8" PVC SLEEVE
5" PVC MAINLINE	1 - 10" PVC SLEEVE
1-25 CONTROL WIRES	1 - 2" PVC SLEEVE
26-50 CONTROL WIRES	2 - 2" PVC SLEEVE
51-75 CONTROL WIRES	3 - 2" PVC SLEEVE

4. CONTRACTOR SHALL INSTALL HUNTER 1-40 ADS, I-20 ADS GEAR DRIVEN ROTORS ON ALL PART AND FULL CIRCLE ROTOR HEADS INSTALL ROTORS ACCORDING TO TABLE BELOW:

<u>RADIUS</u>	<u>HEAD TYPE</u>	<u>MODEL NO.</u>	<u>NOZZLE NO.</u>	<u>REQ. PRESSURE</u>
60'	FULL	I-40-36S	41	50 PSI
50'	PART	I-40-ADS	41	50 PSI
40'	PART	I-40-ADS	41	50 PSI
32'	FULL	I-20-36S-25° TRAJECTORY	5	50 PSI
32'	PART	I-20-ADS-25° TRAJECTORY	5	50 PSI
27'	PART	I-20-ADS-25° TRAJECTORY	5	50 PSI
18'	PART	I-20-ADS-13° TRAJECTORY	5	50 PSI

1. CONTRACTOR SHALL INSTALL RAINBIRD MAXICOM COMMUNICATION CABLE FROM CONTROLLER LOCATION IN PHASE I TO SPECIFIED LOCATIONS IN FUTURE PHASE II AND III AS SHOWN ON DRAWINGS. CONTRACTOR SHALL STUB CABLE AT END OF PHASE I IN A 6" ROUND VALVE BOX TO BE CONTINUED DURING PHASE II AND III. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION.
2. CONTRACTOR SHALL END ALL IRRIGATION EQUIPMENT INCLUDING MAINLINE, LATERAL PIPING, CONTROL WIRES AND COMMUNICATION CABLE BETWEEN PHASE II AND III. CONTRACTOR SHALL INSTALL ALL CAPPED PIPING AND STUBBED WIRING IN A 10" ROUND VALVE BOX FOR USE ON PRECEDING PHASES. CONTRACTOR SHALL ASSURE THAT ALL INSTALLED LANDSCAPING IS PROPERLY IRRIGATED UNTIL IRRIGATION EQUIPMENT HAS BEEN INSTALLED.
3. CONTRACTOR SHALL TIE INTO 6" WATER SERVICE LINE AT POINT OF CONNECTION AND EXTEND 6" CLASS 50 DUCTILE IRON TO FERTILIZER INJECTION SYSTEM AS SHOWN. ONE 4" FBCCO 825YD REDUCED PRESSURE BACKFLOW PREVENTER AS SHOWN. INSTALL FERTILIZER INJECTION SYSTEM AND FERTILIZER STORAGE VAULT AS SHOWN ON DETAIL " D ", SHEET L3.3. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES AND IS RESPONSIBLE FOR ALL PERMITS ASSOCIATED WITH INSTALLATION OF TAP, BACKFLOW PREVENTER AND FERTILIZER INJECTOR.
4. CONTRACTOR SHALL INSTALL 04 PEDESTAL MOUNT 12 STATION RAINBIRD SBM CONTROLLERS IN RESTROOM (SEE DRAWING FOR PROPER WALL LOCATION). 120 VOLT POWER AVAILABLE WITHIN 10 FEET OF LOCATION. CONTRACTOR IS RESPONSIBLE FOR ALL POWER CONNECTIONS TO AND FROM CONTROLLER. CONTRACTOR SHALL INSTALL ONE PEDESTAL MOUNT RAINBIRD CCU-1 UNIT AT CONTROLLER LOCATION FOR PHONE MODEM CONNECTION TO CENTRAL COMPUTER SYSTEM. DEDICATED PHONE LINE IS AVAILABLE AT CCU-1 WALL LOCATION. CONTRACTOR SHALL INSTALL MAXI-WIRE COMMUNICATION CABLE TO CONTROLLER LOCATION IN PHASE II AND III AS SHOWN. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION.
5. CONTRACTOR SHALL STUB 06 CONTROL WIRES WITH 2 COMMON WIRE FROM ALL CONTROLLERS IN A 6" ROUND VALVE BOX AT THE SPECIFIED LOCATION FOR FUTURE USE. WHITE-COMMON, BLUE-DRIP, RED-LAWNS, ORANGE-SPARE.
6. THE IRRIGATION DRAWING IS A SCHEMATIC DRAWING AND ALL IRRIGATION PARTS AND EQUIPMENT ARE TO BE INSTALLED IN TURF, PLANTING BEDS, AND NOTED LOCATIONS.
7. FERTILIZER INJECTOR SYSTEM

- B. VALVES SHALL BE PROVIDED TO ISOLATE EACH STORAGE TANK, THE SYSTEM INLET, AND OUTLET, AND OTHER AREAS AS DETAILED. VALVES AT STORAGE TANK SHALL BE SCHEDULE 80 PVC. ALL VALVES SHALL BE LABELED WITH METAL TAGS.
- C. INSTALLER SHALL HAVE A STATE OF NEVADA CONTRACTORS LICENSE C-40 SPECIALTY LICENSE TO INSTALL SYSTEM, WITH FIVE (5) YEARS OF EXPERIENCE.

- A. THE POINT-OF-CONNECTION SHALL HAVE A FERTILIZER INJECTOR SYSTEM INSTALLED BELOW GRADE. THE INJECTOR SYSTEM SHALL INCLUDE BUT NOT BE LIMITED TO:
- TWO (2) 150 GALLON STORAGE TANKS
MODEL PE-150
- ONE (1) 80 GALLON BLENDING TANK
MODEL PE-80
- FIVE (5) STANDARD PUMP HEADS
MODEL HD STANDARD (3 QTY)
MODEL QD ACID (2 QTY)
- ONE (1) MULTI-PUMP HEAD INJECTOR
MODEL SMC - CPT4
- THREE (3) VAULTS WITH SPRING LOADED LID AND LADDER
MISCELLANEOUS FITTINGS, TUBING, AND ACCESSORIES AS
REQUIRED MANUFACTURERS RECOMMENDATIONS.



AS BUILT

[illegible]

DRAWN BY
DESIGNED BY
APPROVED BY

IRRIGATION SCHEDULE

TITLE

PROJECT NO. JWZ-91403

DATE : **MAY 4 1992**

SCALE : N.T.S.

SHEET

L3.5

38 OF 38 SHEETS

650.35-VI

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