

BASE SCHEDULE TO APPLY 3/4" OF WATER PER ZONE / DAY

NUMBER	SIZE	TYPE	GPM	PRECIP	MAX. MIN./DAY
1	1"	Turf Spray	18.88	1.6	28
2	1-1/2"	Dripline	17.52	1.0	45 EXEMPT
3	1"	Bubbler	18.00	N/A	20 EXEMPT
4	1-1/2"	Dripline	22.30	1.0	45 EXEMPT
5	1"	Turf Spray	17.15	1.6	28
6	1"	Turf Spray	19.74	1.6	28
7	1"	Bubbler	16.00	N/A	20 EXEMPT
8	1-1/2"	Dripline	21.30	1.0	45 EXEMPT
9	1"	Turf Spray	18.93	1.6	28
10	1"	Turf Spray	20.17	1.6	28

TUES. / FRI. ONLY DURING DAYLIGHT SAVINGS TIME
TUES. ONLY DURING EASTERN STANDARD TIME
(SEC. 366.504)

GENERAL IRRIGATION NOTES:

- IRRIGATION SYSTEM DESIGN REQUIREMENTS: 28 GPM @ A MINIMUM OF 50 PSI AT THE POINT OF CONNECTION. THE IRRIGATION CONTRACTOR SHALL VERIFY THE AVAILABLE GPM AND PSI PRIOR TO INSTALLATION OF THE SYSTEM.
- DO NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT CONDITIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE DESIGN PROCESS. FOR EXAMPLE, OBSTRUCTIONS, GRADE DIFFERENCES, WATER LEVELS, DIMENSIONAL DIFFERENCES, ETC. REFER TO THE LANDSCAPE PLAN TO AVOID CONFLICTS WITH PROPOSED TREES OR SHRUBS.
- PIPING MAY SOMETIMES BE INDICATED AS BEING LOCATED IN UNLIKELY AREAS: I.E., UNDER BUILDINGS OR PAVEMENT OUTSIDE OF PROPERTY LINES, IN LAKES OR DITCHES, ETC. THIS IS DONE FOR GRAPHIC CLARITY ONLY. WHENEVER POSSIBLE, PIPING IS TO BE INSTALLED IN OPEN, GREEN AREAS.
- IF REQUIRED, THE IRRIGATION CONTRACTOR SHALL PROVIDE THE NECESSARY "RIGHT OF WAY" USE PERMITS.
- PIPE SIZES SHALL CONFORM TO THOSE ON THE DRAWINGS. SUBSTITUTING WITH SMALLER PIPE SIZES WILL NOT BE PERMITTED.
- MAINLINE IS TO BE INSTALLED WITH A MINIMUM OF 18" DEPTH OF COVER. LATERAL LINES ARE TO BE INSTALLED WITH A MINIMUM OF 12" DEPTH OF COVER.
- UNLESS OTHERWISE INDICATED, ALL SLEEVES ARE TO BE PVC SCH 40 AND TWO (2) NOMINAL SIZES LARGER THAN THE PIPE TO BE SLEEVED. FOR EXAMPLE, THE SLEEVE FOR A 2" PIPE SHALL BE 3". NO IRRIGATION SLEEVE SHALL BE SMALLER THAN 2".
- WHEREVER PRACTICAL, INSTALL VALVES IN MULCHED BEDS AND/OR OUT OF HIGH TRAFFIC AREAS. ALL VALVES, FLUSH VALVES AND WIRE SPLICES SHALL BE INSTALLED IN RAIN BIRD WIDE FLANGED, STRUCTURAL FOAM "PLASTIC" VALVES BOXES AS FOLLOWS:
 REMOTE CONTROL VALVES #VB-STD (16"W X 21"L X 12"H) STD. RECT. BOX
 ISOLATION GATE VALVES #VB-TRND (8"DIA. X 9"H) 7" ROUND BOX
 WIRE SPLICES #WB-10RND (13"DIA. X 10"H) 10" ROUND BOX
 DRIP ZONE VALVE / FILTER ASSY #VB-SPR (23"W X 33"L X 15"H) SUPER JUMBO RECT. BOX
- REFER TO VALVE DESIGNATION SYMBOLS FOR CONTROLLER, STATION NUMBER AND DESIGNED FLOW RATE FOR EACH REMOTE CONTROL VALVE.
 COMMON WIRES - SIZE AWG #14 OR LARGER AND WHITE IN COLOR.
 HOT WIRES - SIZE AWG #16 OR LARGER AND RED IN COLOR.
 SPARE WIRES - SIZE AWG #16 OR LARGER AND BLUE IN COLOR.
- ALL 24 VOLT CONTROL WIRING SHALL BE MADE WITH RAIN BIRD #08TW2 24-000 VOLT, DIRECT BURY SPLICE KITS.
- ALL CONTROL VALVE WIRES SHALL BE BUNDLED AND TAPED TOGETHER AT 20' INTERVALS AND PLACED ALONG THE SIDE OF THE MAINLINE PIPE.
- ALL POP-UP SPRINKLER HEADS SHALL BE INSTALLED LEVEL AND FLUSH TO GRADE. MOUNT ALL SPRINKLERS ON FLEXIBLE CONNECTIONS AS FOLLOWS:
 1/2" INLET SPRAY HEADS 18" OF HEAVY WALL PVC IPS HOSE
 3/4" INLET ROTOR HEADS 18" OF HEAVY WALL PVC IPS HOSE
- THE TOPS OF ALL SHRUB SPRINKLERS SHALL BE INSTALLED 12" ABOVE THE HEIGHT OF THE SURROUNDING PLANT MATTER FOR PLANT HEIGHTS OF 12" OR MORE. SUPPORT THE RISER WITH A #5 REBAR STAKE AND ANCHOR TIE. ALL RISERS SHALL BE PLACED A MINIMUM OF 12" FROM ANY SIDEWALK, EDGE OF PAVEMENT OR STRUCTURE.
- LOCATION OF ALL SPRINKLER HEADS SHALL BE SITE ADJUSTED TO AVOID WATER OVERTHROW ONTO BUILDING SURFACES AND WALKWAYS. THROTTLE VALVES ON SPRAY ZONES AS REQUIRED TO PREVENT FOGGING.
- INSTALL DRIP TUBING AT GRADE AND COVER WITH MULCH. TYPICAL SPACING FOR DRIP TUBING IS 16" TO 24" ON CENTER. SPACING TO BE DETERMINED BY PLANT LAYOUT REFER TO LANDSCAPE PLAN. ANCHOR TUBING EVERY 7' WITH 5" LONG WIRE TUBING STAKES. INSTALL FLUSH VALVE ASSEMBLIES AT ALL TUBING "DEAD ENDS".
- EXACT CONTROLLER LOCATION(S) SHALL BE COORDINATED WITH AN OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. UNLESS OTHERWISE STATED, THE GENERAL CONTRACTOR SHALL PROVIDE 120 VOLT POWER TO THE CONTROLLER LOCATION(S). THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR THE CONNECTION FROM THE POWER SOURCE TO THE CONTROLLER(S).
- AT EACH IRRIGATION CONTROLLER, INSTALL "SECONDARY SURGE ARRESTER" TO THE INCOMING (120 VOLT) POWER SUPPLY (INTERMATIC #AG2401 OR EQUAL).
- AT EACH IRRIGATION CONTROLLER, INSTALL "SUPPLEMENTARY EARTH GROUND GRID" WITH A MINIMUM OF TWO (2) 4" X 96" GROUNDING PLATES. TEST THE RESISTANCE TO EARTH PER NFPA STANDARD #780. A ACCEPTABLE EARTH GROUND SHOULD BE 15 OHMS OR LESS RESISTANCE. USE MORE PLATES OR GROUNDING RODS AS NEEDED TO ACHIEVE THE DESIRED RESISTANCE.
- A RAIN SWITCH SHALL BE CONNECTED TO THE IRRIGATION CONTROLLER. THE SWITCH SHALL BE INSTALLED TO MEET LOCAL CODES AND MINIMUM MANUFACTURER'S RECOMMENDATIONS. OBSTRUCTIONS, VANDALISM AND EASE OF SERVICE SHALL BE CONSIDERED IN LOCATING THE DEVICE.
- THE IRRIGATION CONTRACTOR SHALL PREPARE AN AS-BUILT DRAWING ON REPRODUCIBLE PAPER DETAILING THE ACTUAL INSTALLATION OF THE IRRIGATION SYSTEM. THE AS-BUILT DRAWINGS SHALL LOCATE ALL MAIN LINE PIPING, CONTROL WIRES, WIRE SPLICES, SLEEVES AND VALVES BY SHOWING EXACT MEASUREMENTS FROM PERMANENT FEATURES (BUILDINGS, EDGE OF PAVEMENT, POWER POLES, FIRE HYDRANTS, ETC.). INCLUDE DEPTH OF COVER ON MAINLINE AND SLEEVES.
- NO PRODUCT SUBSTITUTIONS WILL BE PERMITTED WITHOUT THE WRITTEN PERMISSION OF THE OWNER'S REPRESENTATIVE. IRRIGATION CONTRACTOR TO PROVIDE SUBMITTALS TO THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION.
- ANY OTHER EQUIPMENT REQUIRED THAT IS NOT OTHERWISE DETAILED OR SPECIFIED SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS AND LOCAL CODE.

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	HUNTER PROS-06-PRS30 5' STRIP SPRAY TURF SPRAY, 30 PSI REGULATED 6.0" POP-UP CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	49
	HUNTER PROS-06-PRS30 6' RADIUS TURF SPRAY, 30 PSI REGULATED 6.0" POP-UP CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	3
	HUNTER PROS-06-PRS30 10' RADIUS TURF SPRAY, 30 PSI REGULATED 6.0" POP-UP CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	2
	HUNTER PROS-06-PRS30 12' RADIUS TURF SPRAY, 30 PSI REGULATED 6.0" POP-UP CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	22
	HUNTER PROS-06-PRS30 ADJ TURF SPRAY, 30 PSI REGULATED 6.0" POP-UP CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	18
	HUNTER PCB FLOOD BUBBLER	51
	HUNTER ICZ-151-40 DRIP CONTROL ZONE KIT, 1-1/2" ICV GLOBE VALVE WITH 1" HY100 FILTER SYSTEM, PRESSURE REGULATION: 40PSI, FLOW RANGE: 20 GPM TO 120 GPM, 120 MESH STAINLESS STEEL SCREEN.	3
	AREA TO RECEIVE DRIPLINE HUNTER PLD-10-12 (18") IN-LINE PRESSURE COMPENSATING LANDSCAPE DRIPLINE WITH BUILT-IN CHECK VALVE, 1.0GPH EMITTERS AT 12.0' O.C. DRIPLINE LATERALS SPACED AT 18.0' APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN, UV RESISTANT.	5,224 S.F.
	HUNTER ICV-G 1" 1-1/2", 2", AND 3" PLASTIC ELECTRIC REMOTE CONTROL VALVES, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE.	7
	HUNTER IC-1200-PL MODULAR CONTROLLER, 12 STATIONS, OUTDOOR MODEL, PLASTIC CABINET, COMMERCIAL USE, WITH ONE ICM-600 MODULE INCLUDED.	1
	HUNTER WSS-SEN WIRELESS SOLAR RAIN FREEZE SENSOR WITH OUTDOOR INTERFACE, CONNECTS TO HUNTER X-CORE AND ACC CONTROLLERS. INSTALL AS NOTED. INCLUDES GUTTER MOUNT BRACKET. MODULE NOT INCLUDED.	1
	IRRIGATION METER AND BACKFLOW DEVICE REFER TO UTILITY PLANS, 28 GPM AT 50 PSI REQUIRED AT DISCHARGE SIDE OF BACKFLOW DEVICE.	1
	IRRIGATION LATERAL LINE: PVC CLASS 160 SDR 26	3,940 L.F.
	IRRIGATION MAINLINE: PVC SCHEDULE 40	789.7 L.F.
	PIPE SLEEVE: PVC SCHEDULE 40 TYPICAL PIPE SLEEVE FOR IRRIGATION PIPE. PIPE SLEEVE SIZE SHALL ALLOW FOR IRRIGATION PIPING AND THEIR RELATED COUPLINGS TO EASILY SLIDE THROUGH SLEEVING MATERIAL. EXTEND SLEEVES 18 INCHES BEYOND EDGES OF PAVING OR CONSTRUCTION.	567.2 L.F.

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IRRIGATION NOTES & SCHEDULE

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