



**IRRIGATION SCHEDULE**

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
Ⓣ	HUNTER MP CORNER PROS-04-PRS40-CV TURF ROTATOR, 4" (10.16CM) POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE. T=TURQUOISE ADJ ARC 45-105 ON PRS40 BODY.
Ⓛ Ⓢ Ⓣ	HUNTER MP STRIP PROS-04-PRS40-CV TURF ROTATOR, 4" (10.16 CM) POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE ON PRS40 BODY. LST=IVORY LEFT STRIP, SST=BROWN SIDE STRIP, RST=COPPER RIGHT STRIP.
Ⓜ Ⓛ Ⓞ	HUNTER MP1000 PROS-04-PRS40-CV TURF ROTATOR, 4" (10.16 CM) POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE ON PRS40 BODY. M=MAROON ADJ ARC 90 TO 210, L=LIGHT BLUE 210 TO 270 ARC, O=OLIVE 360 ARC.
Ⓜ Ⓞ Ⓢ	HUNTER MP2000 PROS-04-PRS40-CV TURF ROTATOR, 4" (10.16 CM) POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE ON PRS40 BODY. K=BLACK ADJ ARC 90-210, G=GREEN ADJ ARC 210-270, R=RED 360 ARC.
Ⓛ Ⓢ Ⓣ	HUNTER MP3000 PROS-04-PRS40-CV TURF ROTATOR, 4" (10.16 CM) POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE ON PRS40 BODY. B=BLUE ADJ ARC 90-210, Y=YELLOW ADJ ARC 210-270, A=GRAY 360 ARC.
Ⓛ Ⓢ Ⓣ	HUNTER MP815 PROS-04-PRS40-CV TURF ROTATOR, 4" (10.16 CM) POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE ON PRS40 BODY. M=MAROON AND GRAY ADJ ARC 90 TO 210, L=LIGHT BLUE AND GRAY 210 TO 270 ARC, O=OLIVE AND GRAY 360 ARC.
Ⓛ Ⓢ Ⓣ	HUNTER MP STRIP PROS-12-PRS40-CV SHRUB ROTATOR, 12" (30.48 CM) POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE. LST=IVORY LEFT STRIP, SST=BROWN SIDE STRIP, RST=COPPER RIGHT STRIP, ON PRS40 BODY.
Ⓛ Ⓢ Ⓣ	HUNTER MP3000 PROS-12-PRS40-CV SHRUB ROTATOR, 12" (30.48 CM) POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTARY NOZZLE. B=BLUE ADJ ARC 90-210, Y=YELLOW ADJ ARC 210-270, A=GRAY 360 ARC ON PRS40 BODY.
■	RAIN BIRD XCZ-100-PRB-COM WIDE FLOW DRIP CONTROL KIT FOR COMMERCIAL APPLICATIONS. 1" BALL VALVE WITH 1" PESB VALVE AND 1" PRESSURE REGULATING 40PSI QUICK-CHECK BASKET FILTER. 0.3GPM TO 20GPM.
▨	AREA TO RECEIVE DRIPLINE RAIN BIRD XFS-CV-06-12 XFS-CV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 4.3 PSI CHECK VALVE. 0.6 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, UNLESS OTHERWISE NOTED, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. SPECIFY XF INSERT FITTINGS. AVAILABLE ONLY IN CALIFORNIA
Ⓢ	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.
■	HUNTER HQ-44RC-AW QUICK COUPLER VALVE, YELLOW RUBBER COVER, RED BRASS AND STAINLESS STEEL, WITH 1" NPT INLET, 2-PIECE BODY. ACME KEY WITH ANTI-ROTATION WINGS.
Ⓢ	MATCO-NORCA 514T 1/2" 4" BRASS GATE VALVE, FULL PORT, WITH SOLID WEDGE. IPS. WHEEL HANDLE. SAME SIZE AS MAINLINE PIPE.
MV	HUNTER ICV-G 3" 1", 1-1/2", 2", AND 3" PLASTIC ELECTRIC MASTER VALVE, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE.
BF	FEBCO 860 MASTER SERIES 3" REDUCED PRESSURE BACKFLOW PREVENTER
C	BASELINE BL-3200X TWO-WIRE CONTROLLER IN LARGE 16-GAUGE POWDER-COATED WALL MOUNT CABINET, EXPANDABLE TO 200 STATIONS.
Ⓜ	BASELINE BL-5311 BISENSOR SHORT SOIL MOISTURE SENSOR
Ⓜ	BASELINE BL-CM-X 4G CELL MODULE FOR BL-1000 AND BL-3200 CONTROLLERS IN X (LARGE POWDER-COATED WALL MOUNT CABINET) OR XS (LARGE STAINLESS-STEEL WALL MOUNT CABINET) ENCLOSURES WITH ONE YEAR DATA SERVICE INCLUDED.

Ⓛ	BASELINE BL-LA01 BASELINE TWO-WIRE SURGE ARRESTOR CONNECTED TO GROUND ROD/PLATE. GROUND TO 100HM, FIELD VERIFY.
Ⓛ	RAIN BIRD WR2-RFS WIRELESS RAIN/FREEZE SENSOR.
FS	FLOMECC FLOW SENSOR
en	V.I.T. PRODUCTS SBBC-75ALHP HIGH PROFILE, TWO PIECE BACKFLOW ENCLOSURE, MADE WITH MARINE GRADE ALUMINUM. 75"L, 39"H, 24"W (190.5CM L, 99.06CM H, 60.96CM W).
M	WATER METER 3"
---	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7
---	IRRIGATION LATERAL LINE: PVC CLASS 160 SDR 26
---	IRRIGATION MAINLINE: PVC CLASS 200 SDR 21
---	PIPE SLEEVE: PVC CLASS 200 SDR 21
Ⓢ	Valve Callout
Ⓢ	Valve Number
Ⓢ	Valve Flow
Ⓢ	Valve Size

**REFERENCE NOTES SCHEDULE**

SYMBOL	DESCRIPTION
①	MAINLINE SHOWN HERE FOR CLARITY ONLY. INSTALL MAINLINE BETWEEN ROAD AND SIDEWALK. INSTALL 2' OFF SIDEWALK TYPICAL. FIELD VERIFY MAIN LOCATION WITH OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
②	1- 4" SLEEVE AND 1- 1 1/2" SLEEVE AT THESE LOCATIONS

**CRITICAL ANALYSIS**

Generated:	2019-04-30 11:42
P.O.C. NUMBER: 01	
Water Source Information:	
FLOW AVAILABLE	
Water Meter Size:	3"
Flow Available:	225.00 gpm
PRESSURE AVAILABLE	
Static Pressure at POC:	95.00 psi
Elevation Change:	5.00 ft
Service Line Size:	4"
Length of Service Line:	20.00 ft
Pressure Available:	92.00 psi
DESIGN ANALYSIS	
Maximum Multi-valve Flow:	160.00 gpm
Flow Available at POC:	225.00 gpm
Residual Flow Available:	65.00 gpm
Critical Station:	39
Design Pressure:	40.00 psi
Friction Loss:	3.29 psi
Fittings Loss:	0.33 psi
Elevation Loss:	0.00 psi
Loss through Valve:	7.22 psi
Pressure Req. at Critical Station:	50.84 psi
Loss for Fittings:	2.19 psi
Loss for Main Line:	21.90 psi
Loss for POC to Valve Elevation:	0.00 psi
Loss for Backflow:	11.00 psi
Loss for Water Meter:	5.80 psi
Critical Station Pressure at POC:	91.73 psi
Pressure Available:	92.00 psi
Residual Pressure Available:	0.27 psi

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IRRIGATION PLAN		
PROJECT NO.	1701010143	
DATE	MAY 2019	
SCALE	1" = 30'	
DESIGNED	DRAWN	CHECKED
JWR	JCM	JWR
NO.	REVISION	DATE
2	UPDATED SLEEVING	06.05.19
SHEET NO.		
9 OF 16		