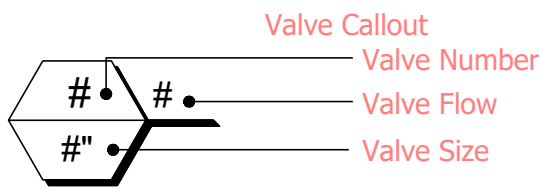


IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL	QTY	ARC	PSI	GPM	RADIUS
	Rain Bird RD-06-S-P30-NP 15LCS	14	LCS	30	0.49	4'x15'
	Rain Bird RD-06-S-P30-NP 15RCS	8	RCS	30	0.49	4'x15'
	Rain Bird RD-06-S-P30-NP 15SST	15	SST	30	1.21	4'x30'
	Rain Bird RD-06-S-P30-NP 08H	1	180	30	0.52	8'
	Rain Bird RD-06-S-P30-NP 08Q	7	90	30	0.26	8'
	Rain Bird RD-06-S-P30-NP 10F	0	360	30	1.58	10'
	Rain Bird RD-06-S-P30-NP 10H	17	180	30	0.79	10'
	Rain Bird RD-06-S-P30-NP 10Q	12	90	30	0.39	10'
	Rain Bird RD-06-S-P30-NP 10T	3	120	30	0.53	10'
	Rain Bird RD-06-S-P30-NP 12H	35	180	30	1.3	12'
	Rain Bird RD-06-S-P30-NP 12Q	4	90	30	0.65	12'
	Rain Bird RD-06-S-P30-NP 12T	1	120	30	0.87	12'
	Rain Bird RD-06-S-P30-NP 12TQ	1	270	30	1.95	12'
	Rain Bird RD-06-S-P30-NP 15H	0	180	30	1.85	15'
	Rain Bird RD-06-S-P30-NP 15Q	3	90	30	0.92	15'
	Rain Bird RD-06-S-P30-NP 06V	2	Adj	30	≤ 1.48	6'
	Rain Bird RD-06-S-P30-NP 08V	11	Adj	30	≤ 1.19	8'
	Rain Bird RD-06-S-P30-NP 10V	13	Adj	30	≤ 1.8	10'
	Rain Bird RD-06-S-P30-NP 12V	9	Adj	30	≤ 2.38	12'
	Rain Bird RD-06-S-P30-NP 15V	10	Adj	30	≤ 3.71	15'
	Hunter PROS-06-CV-R LCS-515	24	LCS	30	0.65	5'x15'
	Hunter PROS-06-CV-R RCS-515	23	RCS	30	0.65	5'x15'
	Hunter PROS-06-CV-R SS-530	53	SST	30	1.3	5'x30'
	Rain Bird RD-12-S-P30 15LCS	8	LCS	30	0.49	4'x15'
	Rain Bird RD-12-S-P30 15RCS	12	RCS	30	0.49	4'x15'
	Rain Bird RD-12-S-P30 15SST	2	SST	30	1.21	4'x30'
	Rain Bird RD-12-S-P30 05Q	0	90	30	0.1	5'
	Rain Bird RD-12-S-P30 08H	9	180	30	0.52	8'
	Rain Bird RD-12-S-P30 08Q	12	90	30	0.26	8'
	Rain Bird RD-12-S-P30 08T	5	120	30	0.35	8'
	Rain Bird RD-12-S-P30 10H	11	180	30	0.79	10'
	Rain Bird RD-12-S-P30 10Q	19	90	30	0.39	10'
	Rain Bird RD-12-S-P30 10T	3	120	30	0.53	10'
	Rain Bird RD-12-S-P30 12H	5	180	30	1.3	12'
	Rain Bird RD-12-S-P30 12Q	6	90	30	0.65	12'
	Rain Bird RD-12-S-P30 15Q	11	90	30	0.92	15'
	Rain Bird RD-12-S-P30 04V	0	Adj	30	≤ 1.15	4'
	Rain Bird RD-12-S-P30 06V	3	Adj	30	≤ 1.48	6'
	Rain Bird RD-12-S-P30 08V	24	Adj	30	≤ 1.19	8'
	Rain Bird RD-12-S-P30 10V	15	Adj	30	≤ 1.8	10'
	Rain Bird RD-12-S-P30 12V	18	Adj	30	≤ 2.38	12'
	Rain Bird RD-12-S-P30 15V	5	Adj	30	≤ 3.71	15'
	Rain Bird RD-12-S-P30 08H	2	180	30	0.52	8'
	Rain Bird RD-12-S-P30 08Q	1	90	30	0.26	8'
	Rain Bird RD-12-S-P30 10H	2	180	30	0.79	10'
	Rain Bird RD-12-S-P30 10V	3	Adj	30	≤ 1.8	10'
	Hunter PROS-12 LCS-515	23	LCS	30	0.65	5'x15'
	Hunter PROS-12 RCS-515	28	RCS	30	0.65	5'x15'
	Hunter PROS-12 SS-530	26	SST	30	1.3	5'x30'
	Hunter MP Corner PROS-06-PRS40-CV T	5	Adj	40		14'
	Hunter MP Strip PROS-06-PRS40-CV LST	3	LCS	40	0.22	5'x15'
	Hunter MP Strip PROS-06-PRS40-CV RST	1	RCS	40	0.22	5'x15'
	Hunter MP1000 PROS-06-PRS40-CV L	1	210-270	40		14'
	Hunter MP1000 PROS-06-PRS40-CV M	10	90-210	40		14'
	Hunter MP2000 PROS-06-PRS40-CV K	20	90-210	40		19'
	Hunter MP2000 PROS-06-PRS40-CV R	4	360	40	1.47	19'
	Hunter MP3000 PROS-06-PRS40-CV B	11	90-210	40		30'

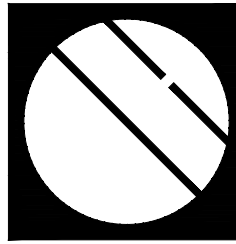
SYMBOL	MANUFACTURER/MODEL	QTY	ARC	PSI	GPM	RADIUS
	Hunter MP Corner PROS-12-PRS40-CV T	4	Adj	40		14'
	Hunter MP Strip PROS-12-PRS40-CV LST	2	LCS	40	0.22	5'x15'
	Hunter MP Strip PROS-12-PRS40-CV RST	4	RCS	40	0.22	5'x15'
	Hunter MP Strip PROS-12-PRS40-CV SST	3	SST	40	0.44	5'x30'
	Hunter MP1000 PROS-12-PRS40-CV M	4	90-210	40		14'
	Hunter MP2000 PROS-12-PRS40-CV K	1	90-210	40		19'
	Hunter MP800SR PROS-12-PRS40-CV 360	1	360	40	0.78	10'
	Hunter MP800SR PROS-12-PRS40-CV ADJ	20	Adj	40		10'
	Hunter PCB 25	2	360	30	0.25	3'
	Hunter PCB 50	103	360	30	0.5	3'
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY				
	Rain Bird 1812 with GPH Irrigation Products GDFN	10				
	Area to Receive Dripline	1,300 s.f.				
	Rain Bird XFD-09-12 XFD On-Surface Pressure Compensating Landscape Dripline. 0.9GPH emitters at 12.0" O.C. Dripline laterals spaced at 16.0" apart, with emitters offset for triangular pattern. Install dripline on both sides of plant material.					
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY				
	Rain Bird PGA in a 12" Valve Box	33				
	Rain Bird XCZ-PRB-COM in a Jumbo Valve Box	4				
	Install a 1-1/2" PVC ball valve prior to each group of valves.					
	Wilkins 975XL 1" Backflow Preventer	3				
	Rain Bird ESP12LXME	1				
	Rain Bird ESP26LXME	2				
	Rain Bird WR2 Wireless Rain Sensor	3				
	Reclaim Water Meter 1" (by others)	3				
	Irrigation Lateral Line: PVC Class 160	7,628 l.f.				
	Irrigation Mainline: PVC Class 200 2" for Coffee Shop 1-1/2" for KFC and Taco Bell	1,408 l.f.				
	Pipe Sleeve: PVC Schedule 40					



IRRIGATION NOTES

- THE PLANS AND DRAWINGS ARE DIAGRAMMATIC OF THE WORK TO BE PERFORMED. SOME COMPONENTS MAY BE SHOWN OUTSIDE THE WORK AREA FOR CLARITY. THE WORK SHALL BE EXECUTED IN A MANNER TO AVOID CONFLICTS WITH UTILITIES AND OTHER ELEMENTS OF CONSTRUCTION, INCLUDING LANDSCAPE MATERIALS. ALL DEVIATIONS FROM THE PLANS SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE BEFORE BEING INSTALLED. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY ASPECT OF THE IRRIGATION SYSTEM AS SHOWN ON THE PLANS AND DRAWINGS, WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES, OR DISCREPANCIES EXIST THAT MIGHT NOT HAVE BEEN KNOWN DURING THE DESIGN OF THE IRRIGATION SYSTEM. IN THE EVENT THAT NOTIFICATION OF THE CONFLICT IS NOT APPROVED BY THE OWNER'S REPRESENTATIVE, THE CONTRACTOR WILL ASSUME FULL RESPONSIBILITY FOR ALL REVISIONS.
- THE IRRIGATION SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE PLANS, IRRIGATION SYSTEM SPECIFICATIONS AND ALL CONTRACT DOCUMENTS. THE CONTRACTOR SHALL COMPLY WITH ALL PREVAILING LOCAL CODES, ORDINANCES, AND REGULATIONS.
- CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS, INCLUDING UTILITY LOCATIONS, BEFORE INSTALLATION OF THE IRRIGATION SYSTEM. ALL UTILITIES AND STRUCTURES MAY NOT BE SHOWN ON THE PLANS - CONTRACTOR TO VERIFY. COORDINATE ALL IRRIGATION SYSTEM CONSTRUCTION WITH EXISTING AND NEW PLANTINGS TO AVOID CONFLICT OR INTERFERENCE WITH LOCATION OF PIPING, SLEEVING, CABLES, AND SERVICE UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION WITH ALL OTHER CONSTRUCTION ON SITE, ESPECIALLY LANDSCAPE INSTALLATION. IRRIGATION SYSTEM SHALL BE RELOCATED AT NO ADDITIONAL COST FOR ANY CONFLICT WITH LANDSCAPE INSTALLATION OR ANY OTHER SITE CONSTRUCTION OR EXISTING CONDITIONS. ALL COMPONENTS THAT ARE NOT CONTAINED WITHIN THE SPECIFIC AREAS SHOWN OR CALLED OUT ON THE DRAWINGS WILL NOT BE ACCEPTED. ALL PIPING AND OTHER COMPONENTS ARE TO REMAIN WITHIN THE PROPERTY OF THE OWNER.
- WHERE EXISTING OR NEW TREES, LIGHT STANDARDS, SIGNS, ELECTRONIC CONTROLLERS AND/OR OTHER OBJECTS ARE AN OBSTRUCTION TO AN IRRIGATION SPRINKLER'S PATTERN, THE COMPONENT AND PIPING SHALL BE RELOCATED AS NECESSARY TO OBTAIN PROPER COVERAGE OF AN IRRIGATION SPRINKLER'S PATTERN, THE COMPONENT AND PIPING SHALL BE RELOCATED AS NECESSARY TO OBTAIN THE PROPER COVERAGE WITHOUT DAMAGING THE OBSTRUCTION. LANDSCAPE ARCHITECT SHALL DETERMINE WHETHER AN OBSTRUCTION OCCURS OR NOT.
- COMPONENT SPACING ARE MAXIMUM. DO NOT EXCEED SPACING SHOWN OR NOTED ON THE PLANS. COMPONENT SPACING MAY BE ADJUSTED TO ACCOMMODATE CHANGES IN TERRAIN AND PLANTING LAYOUT AS LONG AS THE MODIFIED SPACING DO NOT EXCEED THE SPACING SHOWN IN THE PLANS. UNLESS SHOWN OTHERWISE, CONTRACTOR SHALL PROVIDE 100% COVERAGE.
- ALL MATERIALS AND EQUIPMENT SHOWN SHALL BE NEW AND INSTALLED AS DETAILED ON THE PLANS. IF THE DRAWINGS DO NOT THOROUGHLY DESCRIBE THE TECHNIQUES TO BE USED, THE INSTALLER SHALL FOLLOW THE INSTALLATION METHODS AND INSTRUCTIONS RECOMMENDED BY THEIR MANUFACTURER.
- THE LOCATION OF THE IRRIGATION MAINLINE SHALL BE IDENTIFIED IN THE FIELD AND APPROVED BY THE LANDSCAPE ARCHITECT BEFORE INSTALLATION.
- IRRIGATION CONTRACTOR SHALL ADJUST ALL SPRINKLERS, CONTROLLER AND OTHER DEVICES TO OBTAIN SPECIFIED OPERATING PARAMETERS, INCLUDING COVERAGE, OPERATING PRESSURE, FLOW RATES AND OPERATION TIME, AS INDICATED ON THE DRAWINGS AND IN THE IRRIGATION SYSTEM SPECIFICATIONS.
- CONTRACTOR TO PROVIDE INSTALLATION SHOP DRAWINGS AND MANUFACTURER PRODUCT INFORMATION FOR ALL IRRIGATION COMPONENTS. ALL INSTALLATIONS SHALL BE AS RECOMMENDED BY MANUFACTURERS. THE QUANTITIES SHOWN IN THE LEGENDS AND SYMBOL SHEETS SHALL NOT BE USED FOR BIDDING PURPOSES. THE CONTRACTOR WILL BE RESPONSIBLE FOR CONDUCTING A COMPREHENSIVE MATERIALS TAKEOFF TO DETERMINE THE ACTUAL QUANTITIES OF MATERIAL NECESSARY TO EXECUTE THE WORK DESCRIBED IN THE DOCUMENTS.
- ALL TRENCHES SHALL BE BACKFILLED WITH CLEAN, DEBRIS-FREE MATERIALS. CLEAN SAND SHALL BE USED FOR BEDDING MATERIAL IF PARENT SOIL CANNOT BE ADEQUATELY RID OF ROCK AND OTHER EXTRANEOUS DEBRIS. PULLING PIPE SHALL BE PROHIBITED.
- ALL SOLVENT WELDING SHALL BE PRECEDED BY PRIMING OF THE FITTINGS AND PIPE AS RECOMMENDED BY THE MANUFACTURER.
- IRRIGATION CONTRACTOR TO LABEL ALL VALVE BOX COVERS WITH THE CORRESPONDING CONTROLLER ZONE NUMBER. NUMBERING SIZE 1". PROVIDE TAGS TO ALL VALVES AS SHOWN PER DETAILS.
- CONTRACTOR TO PLACE TREE BUBBLERS AT OUTER EDGE OF ROOT BALL, NOT OUTER EDGE OF PLANTING HOLE.
- THE CONTROL WIRE SHALL BE UL LISTED FOR DIRECT BURIAL 14 GAUGE SINGLE STRAND. ALL WIRE SPLICES SHALL BE MADE WITH 3M-DBY WIRE CONNECTORS. INSTALL TWO SPARE CONTROL WIRES FROM THE CONTROLLER WITH THE ENTIRE MAINLINE.
- LOCATE ALL VALVES WITH A MINIMUM OFFSET OF 3'-0" FROM BACK OF CURB OR EDGE OF PAVEMENT.
- ALL VALVES (SOLENOID, GATE, ISOLATION, AIR RELIEF AND FLUSH), SURGE PROTECTORS AND FILTERS SHALL BE LOCATED WITHIN THE SPECIFIED VALVE BOXES.
- ALL IRRIGATION LINES UNDER PAVEMENT SHALL BE INSTALLED WITHIN SCH 40 PVC OR EQUIVALENT H.D.P.E. SLEEVES AS NOTED. IRRIGATION COMMUNICATION CABLE SHALL HAVE IT'S OWN SEPARATE SLEEVE UNLESS NOTED OTHERWISE.
- ALL UNSIZED PIPE SHALL BE 3/4".
- IRRIGATION LATERAL LINES TO BE BURIED AT A DEPTH OF 12" UNLESS NOTED OTHERWISE.
- IRRIGATION MAINLINES TO BE BURIED AT A DEPTH OF 18".
- ALL COMPONENTS INSTALLED BY THE IRRIGATION CONTRACTOR, SHALL BE LOCATED ON THE "AS-BUILT" DRAWINGS. THE EXACT LOCATION AND DEPTH BELOW FINISH GRADE OF CONTROL VALVES, ISOLATION VALVE, GROUND RODS AND WIRE SPLICES SHALL BE NOTED WITH TWO FIXED REFERENCE POINTS ON THE "AS-BUILT" DRAWINGS.
- IRRIGATION CONTRACTOR SHALL SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK PRIOR TO COMMENCEMENT OF HIS OPERATIONS ON-SITE. COPIES OF THE PERMITS SHALL BE SENT TO THE LANDSCAPE SUPERVISOR. WORK IN THE RIGHT OF WAY SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE HIGHWAY JURISDICTION.
- INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SPEEDY AND ORDERLY FLOW OF VEHICULAR TRAFFIC AND COMPLETION OF ALL WORK ON THE SITE.
- MAINLINE AND LATERALS SHOWN FOR CLARITY PURPOSES. ALL IRRIGATION LINES TO BE WITHIN RIGHT OF WAY AND IN LANDSCAPE AREA.

IRRIGATION NOTES & SCHEDULE



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SHOPPES AT WESTLAKE LANDINGS

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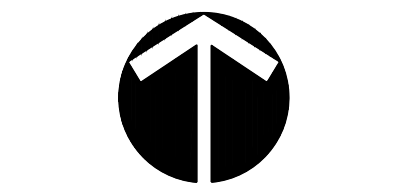
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DESIGNED _____ DEH
DRAWN _____ JCO/RNK
APPROVED _____ DEH
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DATE 04-19-22
REVISIONS 07-18-22
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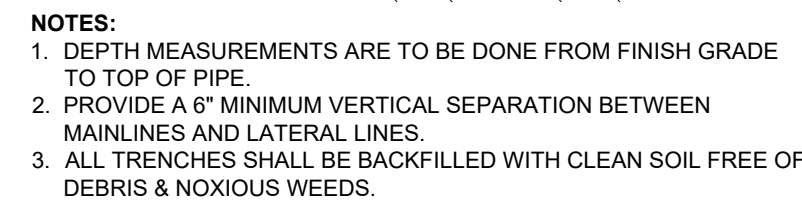


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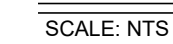
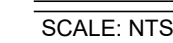
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SHEET 2 OF 3

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SCALE: NTS



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