



LEGEND

IRRIGATION MATERIALS LIST

KEY	ITEM	QTY.
—	PVC laterals shall be Class 200 PVC (sized as shown on plans)	as required
—	MAIN shall be Class 200 PVC	as required
- - -	Bubbler Zone Piping	as required
=====	PVC sleeves shall be Class 200 PVC (sized double the width of the pipe within, installed wherever pipe runs under hardscape)	as required
	Flexible PVC or Polypipe (for swing joints)	as required
WM	Water Meter and Backflow Prevention Assembly (See Civil Plans)	1
EC	Electric Controller RAINBIRD ___ Series Controller	1
Δ	Rainbird RSD Series Rain Sensor (locate in area of free rainfall)	1
●	RAINBIRD 200-PESB 2" Electromechanical Solenoid Control Valve	4
	Irrigation Control Wire	as required

★	RAINBIRD 1300A-F Adjustable Flood Bubbler 1300A-F	(1.5 gpm)	as required
	RAINBIRD Rotary Spray Heads 17'-24" radius R-VAN 24 Series @ 40 PSI	6" pop-up in grass areas	as required
		12" pop-up on risers in shrub beds	as required
⊗	24-360	(3.13 gpm)	
⊗	24 (27σ)	(2.31 gpm)	
⊗	24 (18σ)	(1.54 gpm)	
⊗	24 (12σ)	(1.0 gpm)	
⊗	24 (9σ)	(.77 gpm)	
	RAINBIRD Rotary Spray Heads 13'-18" radius R-VAN 18 Series @ 40 PSI	6" pop-up in grass areas	as required
		12" pop-up on risers in shrub beds	as required
●	18-360	(1.8 gpm)	
●	18 (27σ)	(1.42 gpm)	
●	18 (18σ)	(.98 gpm)	
●	18 (12σ)	(.6 gpm)	
●	18 (9σ)	(.5 gpm)	

	RAINBIRD Rotary Spray Heads 8'-14" radius R-VAN 14 Series @ 40 PSI	as required
	6" pop-up in grass areas	
	12" pop-up on risers in shrub beds	
⊗	14-360	(1.22 gpm)
⊗	14 (27σ)	(.92 gpm)
⊗	14-(18σ)	(.61 gpm)
⊗	14-(12σ)	(.4 gpm)
⊗	14-(9σ)	(.31 gpm)
	RAINBIRD Rotary Spray Heads 8'-14" radius R-VAN Series Strip Nozzles @ 40 PSI	as required
■	15-ss	(.48 gpm)
■	15-lcs	(.24 gpm)
■	15-rs	(.24 gpm)

LATERAL PIPE SIZING

The Contractor is responsible to properly size all laterals. All laterals shall be sized according to the following schedule. Total gallons/gpm per pipe section shall be calculated by adding the GPM per head for every head downstream of the pipe.

CLASS 200 PVC PIPE SIZING CHART	
SIZE	GPM
1/2"	0-8 GPM
3/4"	8-14 GPM
1"	14-24 GPM
1 1/2"	24-32 GPM
2"	32-50 GPM
2 1/2"	50-75 GPM
3"	60-110 GPM
4"	110-190 GPM

NOTES

The contractor shall make sure that all main, valve, lateral and head locations are coordinated with the root systems of existing and proposed trees.
If any root systems need to be cut, all pruning work shall be accomplished under the supervision of a certified arborist.

2 Laterals to be coordinated during installation around the rootball of all existing trees.

4 Spray heads are to be installed below the proposed deck over existing tree #2 Green Buttonwood. This will function on its own zone.

Contractors to install an automatic temporary irrigation system for Existing tree #2 Green Buttonwood.