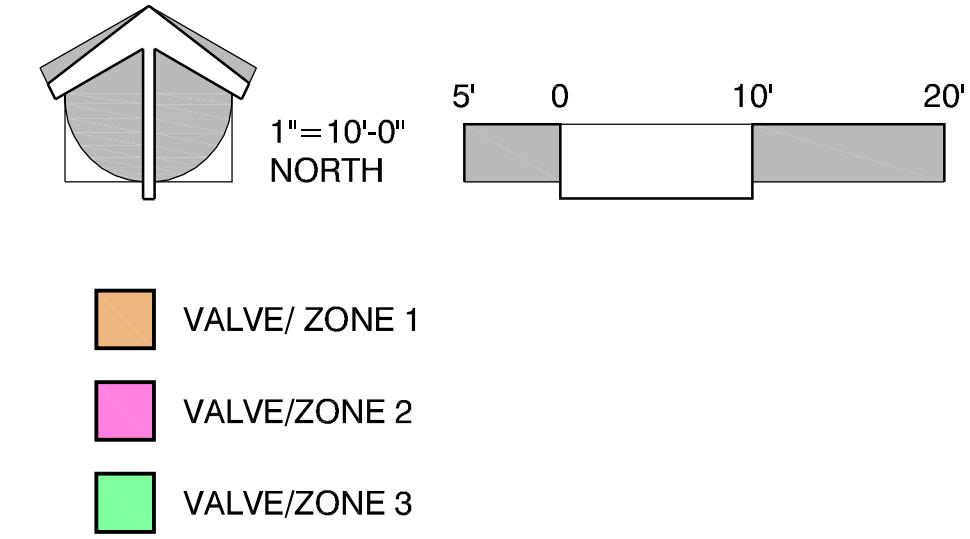


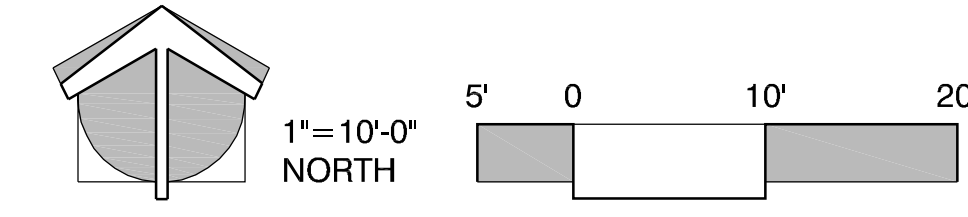
1 PIPE LAYOUT

2 SPRINKLER LAYOUT

Symbol	Description
	BACKFLOW PREVENTER - AS REQUIRED BY CITY
	IRRIGATION CONTROL VALVE
	VALVE BOX
	SPRINKLER HEAD
	MAINLINE 1" Schedule 40 PVC
	IRRIGATION CONTROL WIRE 24 volt multi-strand wire
	IRRIGATION CONTROL WIRE - COMMON 24 volt
	IRRIGATION CONTROLLER
	WATER MAIN Potable water supply line to house
	WATER METER



Symbol	Description
	FULL CIRCLE POP-UP SPRAY HEAD
	THREE QUARTER POP-UP SPRAY HEAD
	HALF CIRCLE POP-UP SPRAY HEAD
	ONE QUARTER POP-UP SPRAY HEAD
	VARIABLE ARC PATTERN - ADJUST TO FIT AREA
	XXXX



MATERIAL LIST

SYMBOL	QTY.	DESCRIPTION
	7	4" pop-up spray head w/ 12 series MPR full circle nozzle. Rainbird 1804 - 15F MPR
	12	4" pop-up spray head w/ 12 series MPR half circle nozzle. Rainbird 1804 - 15H MPR
	6	4" pop-up spray head w/ 12 series variable arc nozzle. Rainbird 1804 - 12H VAN (adjust to fit area)
	27	PVC pipe: Class 200 or Schedule 40 (10' length), 1"
	17	PVC pipe: Class 200 or Schedule 40 (10' length), 3/4"
	25	1/2" cutoff riser
	27	1" Coupling Slip x Slip PVC Fitting Schedule 40
	22	1/2" x 1/2" x 3/4" Reducing Tee Slip x Slip PVC Fittings Schedule 40
	3	1" x 3/4" 90 Reducing Elbow PVC Fitting Slip x Slip Schedule 40
	25	3/4" x 1/2" 90 Reducing Elbow PVC Fitting Slip x Fipt Schedule 40
	17	3/4" Coupling Slip x Slip PVC Fitting Schedule 40
	1	BPU ????
	75	24 volt irrigation control wire (1')
	1	Valve Box (large enough to accommodate 3 valves)
	1	Irrigation Controller/Timer
Valve Manifold		
	3	1" Automatic valve Rainbird 100-DVF or equal
	2	PVC pipe: Class 200 or Schedule 40 (10' length), 1"
	2	1" Tee Slip x Slip x Slip PVC Fittings Schedule 40
	13	1" 90 Elbow PVC Fitting Slip x Slip Schedule 40
	6	1" Male Adapter Mipt x Slip PVC Fitting Schedule 40

NOTES

VALVES, WIRE AND PIPE ARE INDICATED FOR GRAPHIC CLARITY, LOCATE AS APPROPRIATE.
 DESIGNED PER CUSTOMER FLOW TEST OF 20 GPM.
 ACCURACY OF THE DESIGN IS LIMITED TO THE ACCURACY OF THE SUBMITTED INFORMATION AND DRAWING.



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Residence	
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PROJECT #	2009-00
DATE	JANUARY 1, 2009
REVISION:	