

Irrigation

Qty	Symbol	Description	Pressure	Flow	Radius
1	(Symbol)	Hunter 10" - SRS-04	30 psi	1.62 gpm	10 ft

Water Source

1	(Symbol)	5/8 inch meter
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Backflow Devices

1	(Symbol)	Fabco 860 - 1"
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Control Valves

1	(Symbol)	Hunter PVC-100G
1	(Symbol)	Rain Bird 100-DVF
9	(Symbol)	Rain Bird XCC-100-PRF

Y-Strainers / Filters

1	(Symbol)	Fabco 650A-1"
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Irrigation Accessories

1	(Symbol)	Hunter PC-1200
1	(Symbol)	Intritol Systems RFS1000
1	(Symbol)	Nibco 1" isolation valve

Lateral Line Pipe

43.49 ft	Class 200 3/4"
73.48 ft	Class 200 1"

Mainline Pipe

520.48 ft	Class 200 1"
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Shelving

27 ft	Class 200 6"
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Drip Tubing

9736.83 ft	Netafim TLCOV-18
295.83 ft	Netafim TLCOV-18

General

1	(Symbol)	16 Gauge - Common
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Water Source #1

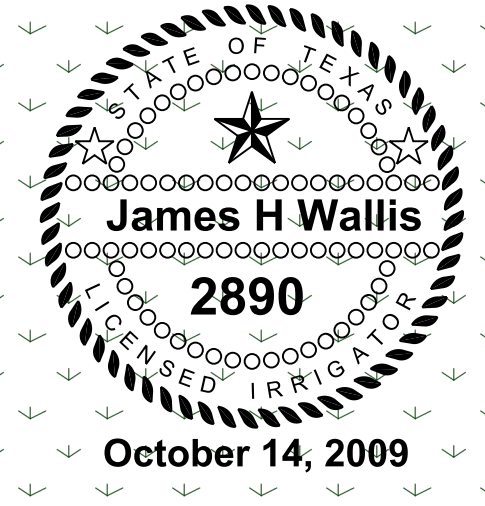
Meter Size	5/8 inch meter
Static Pressure	65 psi
Elevation Change	0 ft

Service Line Information

Pipe Category	Poly 160
Pipe Size	Poly 160 3/4"
Length	10 ft
Velocity	8 fps

Recommendations

Maximum Recommended Flow	13 gpm
Available Working Pressure	57.07 psi



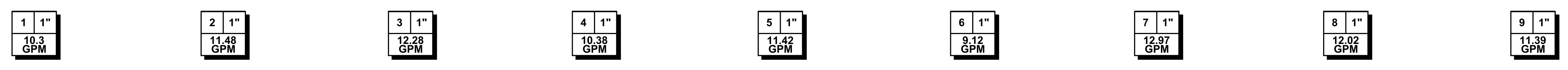
Run Set	Water Source #1	Mainline Components	Zone	Zone Components
Run Set: 1	Type: Meter Static Pressure: 65 psi Service Line: 0.933 psi Meter Loss: 3.912 psi	Backflow Loss: 13 psi Master Valve Loss: 1.862 psi Filter Loss: 0.137 psi	Zone 1 @ 10.304 gpm	Mainline Loss: 0.38 psi Valve Loss: 0 psi Lateral Loss: 0 psi Fittings Loss: 0.038 psi Elevation: 0 psi Sprinkler Requirement: 30 psi Total Design Pressure: 50.111 psi Residual Pressure: 14.899 psi
Run Set: 2	Type: Meter Static Pressure: 65 psi Service Line: 1.14 psi Meter Loss: 4.787 psi	Backflow Loss: 13 psi Master Valve Loss: 1.811 psi Filter Loss: 0.171 psi	Zone 2 @ 11.485 gpm	Mainline Loss: 0.62 psi Valve Loss: 0 psi Lateral Loss: 0 psi Fittings Loss: 0.062 psi Elevation: 0 psi Sprinkler Requirement: 30 psi Total Design Pressure: 51.357 psi Residual Pressure: 13.643 psi
Run Set: 3	Type: Meter Static Pressure: 65 psi Service Line: 1.291 psi Meter Loss: 5.529 psi	Backflow Loss: 13 psi Master Valve Loss: 1.873 psi Filter Loss: 0.194 psi	Zone 3 @ 12.282 gpm	Mainline Loss: 2.28 psi Valve Loss: 0 psi Lateral Loss: 0 psi Fittings Loss: 0.228 psi Elevation: 0 psi Sprinkler Requirement: 30 psi Total Design Pressure: 53.039 psi Residual Pressure: 11.161 psi
Run Set: 4	Type: Meter Static Pressure: 65 psi Service Line: 1.045 psi Meter Loss: 3.968 psi	Backflow Loss: 13 psi Master Valve Loss: 1.877 psi Filter Loss: 0.139 psi	Zone 4 @ 10.381 gpm	Mainline Loss: 2.44 psi Valve Loss: 0 psi Lateral Loss: 0 psi Fittings Loss: 0.244 psi Elevation: 0 psi Sprinkler Requirement: 30 psi Total Design Pressure: 52.231 psi Residual Pressure: 12.769 psi
Run Set: 5	Type: Meter Static Pressure: 65 psi Service Line: 1.129 psi Meter Loss: 4.739 psi	Backflow Loss: 13 psi Master Valve Loss: 1.815 psi Filter Loss: 0.169 psi	Zone 5 @ 11.423 gpm	Mainline Loss: 2.36 psi Valve Loss: 0 psi Lateral Loss: 0 psi Fittings Loss: 0.236 psi Elevation: 0 psi Sprinkler Requirement: 30 psi Total Design Pressure: 53.039 psi Residual Pressure: 11.962 psi
Run Set: 6	Type: Meter Static Pressure: 65 psi Service Line: 0.744 psi Meter Loss: 2.958 psi	Backflow Loss: 12.61 psi Master Valve Loss: 1.9 psi Filter Loss: 0.104 psi	Zone 6 @ 9.123 gpm	Mainline Loss: 2.06 psi Valve Loss: 0 psi Lateral Loss: 0 psi Fittings Loss: 0.206 psi Elevation: 0 psi Sprinkler Requirement: 30 psi Total Design Pressure: 50.317 psi Residual Pressure: 14.683 psi
Run Set: 7	Type: Meter Static Pressure: 65 psi Service Line: 1.429 psi Meter Loss: 6.268 psi	Backflow Loss: 13 psi Master Valve Loss: 1.779 psi Filter Loss: 0.178 psi	Zone 7 @ 12.972 gpm	Mainline Loss: 3.48 psi Valve Loss: 0 psi Lateral Loss: 0 psi Fittings Loss: 0.348 psi Elevation: 0 psi Sprinkler Requirement: 30 psi Total Design Pressure: 55.902 psi Residual Pressure: 9.098 psi
Run Set: 8	Type: Meter Static Pressure: 65 psi Service Line: 1.241 psi Meter Loss: 5.223 psi	Backflow Loss: 13 psi Master Valve Loss: 1.779 psi Filter Loss: 0.186 psi	Zone 8 @ 12.021 gpm	Mainline Loss: 5.21 psi Valve Loss: 0 psi Lateral Loss: 0 psi Fittings Loss: 0.521 psi Elevation: 0 psi Sprinkler Requirement: 30 psi Total Design Pressure: 56.453 psi Residual Pressure: 8.547 psi
Run Set: 9	Type: Meter Static Pressure: 65 psi Service Line: 1.122 psi Meter Loss: 4.714 psi	Backflow Loss: 13 psi Master Valve Loss: 1.816 psi Filter Loss: 0.168 psi	Zone 9 @ 11.393 gpm	Mainline Loss: 5.8 psi Valve Loss: 0 psi Lateral Loss: 0 psi Fittings Loss: 0.58 psi Elevation: 0 psi Sprinkler Requirement: 30 psi Total Design Pressure: 56.455 psi Residual Pressure: 8.545 psi

Sprinkler Zone Data

Zone #	Total Area	Total Flow	Precip Rate
10	314.12 SqFt	1.62 gpm	0.51 in/hr

Drip Zone Data

Zone #	Total Area	Total Flow	Precip Rate
1	1254.65 SqFt	618.24 gpm	0.66 in/hr
2	1081.07 SqFt	689.08 gpm	0.66 in/hr
3	1792.9 SqFt	736.92 gpm	0.66 in/hr
4	1616.3 SqFt	622.94 gpm	0.66 in/hr
5	1677.88 SqFt	685.4 gpm	0.66 in/hr
6	1340.9 SqFt	547.4 gpm	0.66 in/hr
7	1891.73 SqFt	778.32 gpm	0.66 in/hr
8	1794.1 SqFt	713.28 gpm	0.66 in/hr
9	1666.18 SqFt	683.56 gpm	0.66 in/hr



ALL DRIP ZONES ARE DESIGNED AT .9 GPH AND SET ON 18" SPACING; ALSO EACH VALVE IS PRESSURE REGULATED; THE RESIDUAL PRESSURES SHOWN WILL BE REGULATED TO ZERO

<p>PLAN: Original</p>	<p>DATE: Oct / 2009</p>	<p>PROJECT: McCrary Residence L.D. LOCKETT ROAD COLLEYVILLE TEXAS 76034</p>	<p>INSTALLATION: JAMES WALLIS LI 2890 dba / WALLIS WATER WORKS 817-561-2118</p>	<p>DESIGN: Robert Pickering 3516 Rock Bluff Drive Dallas TX 75227 214-549-8111</p>
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October 14, 2009

