

**Run Set: 1**

<b>Water Source #1</b>	
Type	Meter
Static Pressure	68 psi
Service Line	0 psi
Meter Loss	1.266 psi
<b>Mainline Components</b>	
Backflow Loss	3.092 psi
Master Valve Loss	0 psi
Filter Loss	0 psi
<b>Zone 1 @ 5.92 gpm</b>	
Mainline Loss	0.39 psi
Valve Loss	3.8 psi
Lateral Loss	0.053 psi
Fittings Loss	0 psi
Elevation	0 psi
Sprinkler Requirement	45 psi
Total Design Pressure	53.601 psi
Residual Pressure	14.399 psi

**Run Set: 2**

<b>Water Source #1</b>	
Type	Meter
Static Pressure	68 psi
Service Line	0 psi
Meter Loss	0.549 psi
<b>Mainline Components</b>	
Backflow Loss	2.765 psi
Master Valve Loss	0 psi
Filter Loss	0 psi
<b>Zone 2 @ 3.12 gpm</b>	
Mainline Loss	0.11 psi
Valve Loss	3.612 psi
Lateral Loss	0.008 psi
Fittings Loss	0 psi
Elevation	0 psi
Sprinkler Requirement	30 psi
Total Design Pressure	37.046 psi
Residual Pressure	30.954 psi

**Run Set: 3**

<b>Water Source #1</b>	
Type	Meter
Static Pressure	68 psi
Service Line	0 psi
Meter Loss	1.127 psi
<b>Mainline Components</b>	
Backflow Loss	3.059 psi
Master Valve Loss	0 psi
Filter Loss	0 psi
<b>Zone 3 @ 5.59 gpm</b>	
Mainline Loss	0.32 psi
Valve Loss	3.8 psi
Lateral Loss	0.119 psi
Fittings Loss	0 psi
Elevation	0 psi
Sprinkler Requirement	30 psi
Total Design Pressure	38.426 psi
Residual Pressure	29.574 psi

**Run Set: 4**

<b>Water Source #1</b>	
Type	Meter
Static Pressure	68 psi
Service Line	0 psi
Meter Loss	0.56 psi
<b>Mainline Components</b>	
Backflow Loss	2.772 psi
Master Valve Loss	0 psi
Filter Loss	0 psi
<b>Zone 4 @ 3.18 gpm</b>	
Mainline Loss	0.21 psi
Valve Loss	3.618 psi
Lateral Loss	0.039 psi
Fittings Loss	0 psi
Elevation	0 psi
Sprinkler Requirement	30 psi
Total Design Pressure	37.198 psi
Residual Pressure	30.802 psi

**Run Set: 5**

<b>Water Source #1</b>	
Type	Meter
Static Pressure	68 psi
Service Line	0 psi
Meter Loss	2.827 psi
<b>Mainline Components</b>	
Backflow Loss	3.388 psi
Master Valve Loss	0 psi
Filter Loss	0 psi
<b>Zone 5 @ 8.88 gpm</b>	
Mainline Loss	1.39 psi
Valve Loss	3.8 psi
Lateral Loss	0.179 psi
Fittings Loss	0 psi
Elevation	0 psi
Sprinkler Requirement	45 psi
Total Design Pressure	56.586 psi
Residual Pressure	11.414 psi

**Run Set: 6**

<b>Water Source #1</b>	
Type	Meter
Static Pressure	68 psi
Service Line	0 psi
Meter Loss	0.771 psi
<b>Mainline Components</b>	
Backflow Loss	2.922 psi
Master Valve Loss	0 psi
Filter Loss	0 psi
<b>Zone 6 @ 4.38 gpm</b>	
Mainline Loss	0.62 psi
Valve Loss	3.738 psi
Lateral Loss	0.114 psi
Fittings Loss	0 psi
Elevation	0 psi
Sprinkler Requirement	30 psi
Total Design Pressure	38.16 psi
Residual Pressure	29.84 psi

**Run Set: 7**

<b>Water Source #1</b>	
Type	Meter
Static Pressure	68 psi
Service Line	0 psi
Meter Loss	0.551 psi
<b>Mainline Components</b>	
Backflow Loss	2.766 psi
Master Valve Loss	0 psi
Filter Loss	0 psi
<b>Zone 7 @ 3.13 gpm</b>	
Mainline Loss	0.34 psi
Valve Loss	3.613 psi
Lateral Loss	0.077 psi
Fittings Loss	0 psi
Elevation	0 psi
Sprinkler Requirement	30 psi
Total Design Pressure	37.346 psi
Residual Pressure	30.654 psi

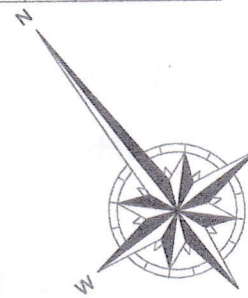


*J. Aguilera*  
10.13.18

<b>Water Source #1</b>	
Meter Size	5/8 inch meter
Static Pressure	68 psi
Elevation Change	0 ft
<b>Service Line Information</b>	
Pipe Category	
Pipe Size	
Length	0 ft
Velocity	5 fps
<b>Recommendations</b>	
Maximum Recommended Flow	13 gpm
Available Working Pressure	61.2 psi

**Irrigation**

Quantity	Symbol	Description	Part Number	Pressure	Flow	Radius
<b>Sprinklers</b>						
6	⊙	Rain Bird 10T - PROS-04	10T	30 psi	0.53 gpm	10 ft
5	⊙	Rain Bird 15CST - 1804	15CST	30 psi	1.21 gpm	30 x 4 ft
9	⊙	Rain Bird 15LCS - PROS-04	15LCS	30 psi	0.49 gpm	3 x 15 ft
10	⊙	Rain Bird 3500 Series 1.5 - 5004-PC	1.5	45 psi	1.48 gpm	24 ft
13	⊙	Rain Bird 8Q-FLT - 1804	8Q-FLT	30 psi	0.39 gpm	8 ft
2	⊙	Rain Bird HE-VAN-08 180 - PROS-04	HE-VAN-08	30 psi	0.59 gpm	8 ft
<b>Meters/Pumps</b>						
1	Ⓜ	5/8 inch meter				
<b>Backflow Devices</b>						
1	Ⓜ	Fabco 765 - 1"	765 - 1"			
<b>Control Valves</b>						
7	Ⓜ	Rain Bird 100-DV	100-DV			
<b>Irrigation Accessories</b>						
1	Ⓜ	Hunter RAIN-CLICK	RAIN-CLICK			
1	Ⓜ	Nelson 9501-100IN	9501-100IN			
1	Ⓜ	Rain Bird ESP-4M (7 Stations)	ESP-4M - 1 ESP-SM3 Module			
<b>Lateral Line Pipe</b>						
416 ft	—	Class 200 3/4"	0			
66 ft	—	Class 200 1"	0			
<b>Mainline Pipe</b>						
31 ft	—	Schedule 40 1"	0			
198 ft	—	Class 200 1"	0			



REVISIONS:	None
PROJECT:	Matt Lamey 2022 Parnevik Conroe, Tx 77301 (832) 289-8648
DATE:	10.13.18
JOB NUMBER:	853
DRAWN BY:	J. Ricardo Aguilera
CHECKED BY:	JRA
SCALE:	1" = 20'
SHEET:	1 of 1

<b>SHEET DESCRIPTION:</b>	Irrigation Design
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My Sprinkler Medic  
2316 Shady Pine Dr.  
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