



Irrigation

Quantity	Symbol	Description	Pressure	Flow	Radius
Sprinklers					
5	●	Hunter MP1000 180° - MPR40-04	30 psi	0.32 gpm	12 ft
1	○	Hunter MP1000 210° - MPR40-04	30 psi	0.37 gpm	12 ft
2	●	Hunter MP1000 360° - MPR40-04	30 psi	0.65 gpm	12 ft
3	●	Hunter MP1000 90° - MPR40-04	30 psi	0.16 gpm	12 ft
1	○	Hunter MP2000 135° - MPR40-04	30 psi	0.48 gpm	17 ft
20	●	Hunter MP2000 180° - MPR40-04	30 psi	0.63 gpm	17 ft
2	○	Hunter MP2000 210° - MPR40-04	30 psi	0.74 gpm	17 ft
15	●	Hunter MP2000 90° - MPR40-04	30 psi	0.33 gpm	18 ft
2	○	Hunter PCB-25	25 psi	0.25 gpm	0 ft

- Meters/Pumps**
- 1 3/4 inch meter
- Backflow Devices**
- 1 Febco 850 - 1"
- Control Valves**
- 5 Hunter PGV-100A
- Y-Strainers / Filters**
- 1 Wilkins S-1"
- Irrigation Accessories**
- 1 Nelson 9501-100IN
 - 1 Rain Bird ESP-4ME
 - 1 Rain Bird WRFSC
- Lateral Line Pipe**
- 800 ft Class 315 1/2"
 - 10 ft Class 200 3/4"
- Mainline Pipe**
- 287 ft Class 200 3/4"
- Drip Tubing**
- 648 ft Netafim TLEZ9-18

Water Source #1	
Meter Size	3/4 inch meter
Static Pressure	65 psi
Elevation	0 ft

Service Line Information	
Pipe Category	Type K Copper
Pipe Size	Type K Copper 3/4"
Length	15 ft
Velocity	9 fps

Recommendations	
Maximum Recommended Flow	12.23 gpm
Available Working Pressure	53.16 psi

Sprinkler Zone Data			
Zone #	Total Area	Total Flow	Precip Rate
2	2125.62 Sq/Ft	7.81 gpm	0.35 in/hr
3	2525.17 Sq/Ft	8.01 gpm	0.31 in/hr
4	2015.69 Sq/Ft	7.44 gpm	0.36 in/hr

Drip Zone Data			
Zone #	Total Area	Total Flow	Precip Rate
1	971.03 Sq/Ft	387 gph	0.64 in/hr

Irrigation Notes:
-Lateral line pipe to bubbler and drip zones are omitted for graphic quality. Connect tree bubbler heads to valves as shown with class 200 pvc pipe sized to allow a maximum flow velocity of 5 feet per second.

Run Set: 3

Water Source #1	
Type	Meter
Static Pressure	65 psi
Service Line	1.433 psi
Meter Loss	1.003 psi

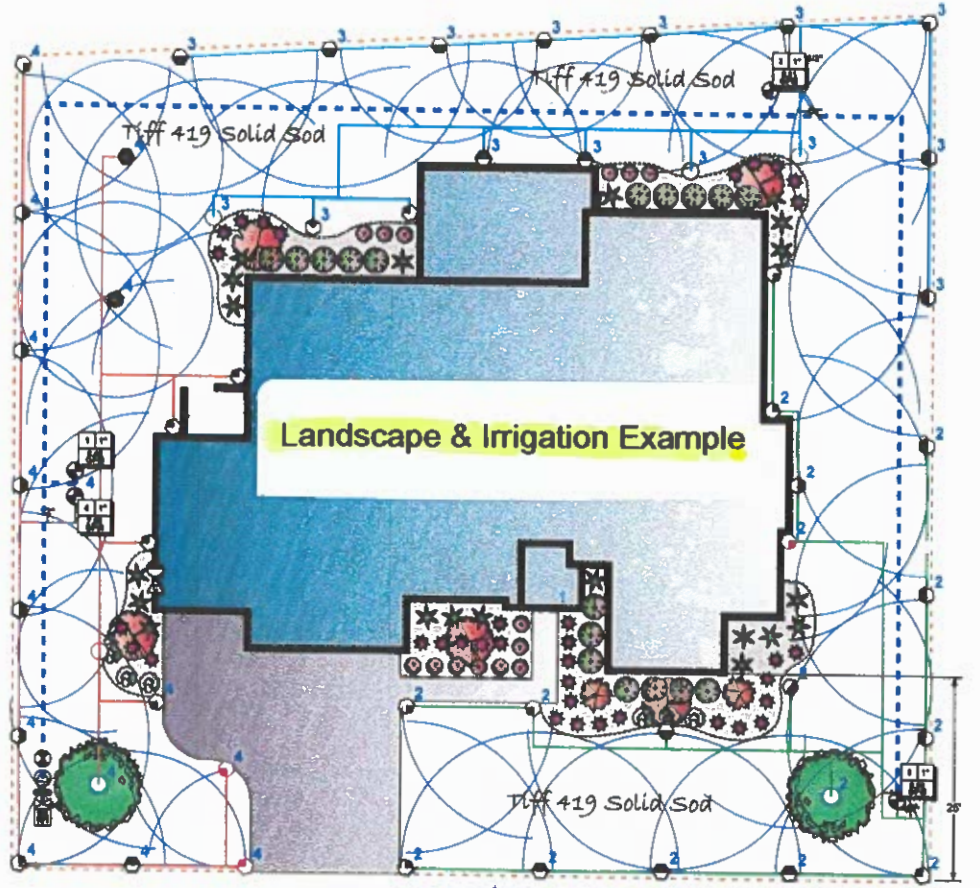
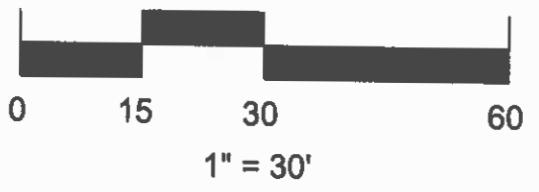
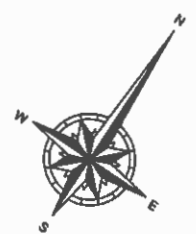
Mainline Components	
Backflow Loss	5.903 psi
Master Valve Loss	1 psi
Filter Loss	0.338 psi

Zone 3 @ 8.01 gpm	
Mainline Loss	5.13 psi
Valve Loss	1 psi
Lateral Loss	0.868 psi
Fittings Loss	0.6 psi
Elevation	0 psi
Sprinkler Requirement	30 psi
Total Design Pressure	46.335 psi
Residual Pressure	18.665 psi

Landscape

Quantity	Symbol	Description
Perennials		
6	⊗	Lantana - White 1 Gallon
14	⊗	Pink Skullcap 1 gal.
2	⊗	Pride of Barbados 5 gal.
35	⊗	Salvia Greggii (Mixed) 1 gal.
Shrubs		
20	⊗	Big Muhly 5 gal.
17	⊗	Indian Hawthorn 5 gal.
Trees		
5	⊗	Crepe Myrtle - Red Rocket 15 gallon
2	⊗	Oak - Monterrey 2'+ Caliper

Quantities:
(180) lf Steel Edging.
(15) Pallets Tiff 419 Bermuda Sod.
(9) cy Hardwood Mulch 3' depth.



LANDSCAPE TO BACK OF CURB



SHEET DESCRIPTION:
Landscape Design
Irrigation Design

Project Address:
Lot Number:

REVISIONS:
None

DATE:
07.02.2021
JOB NUMBER:

DRAWN BY:
Richard Powell Jr
CHECKED BY:

SCALE:
1" = 30'

SHEET:
1 of 1