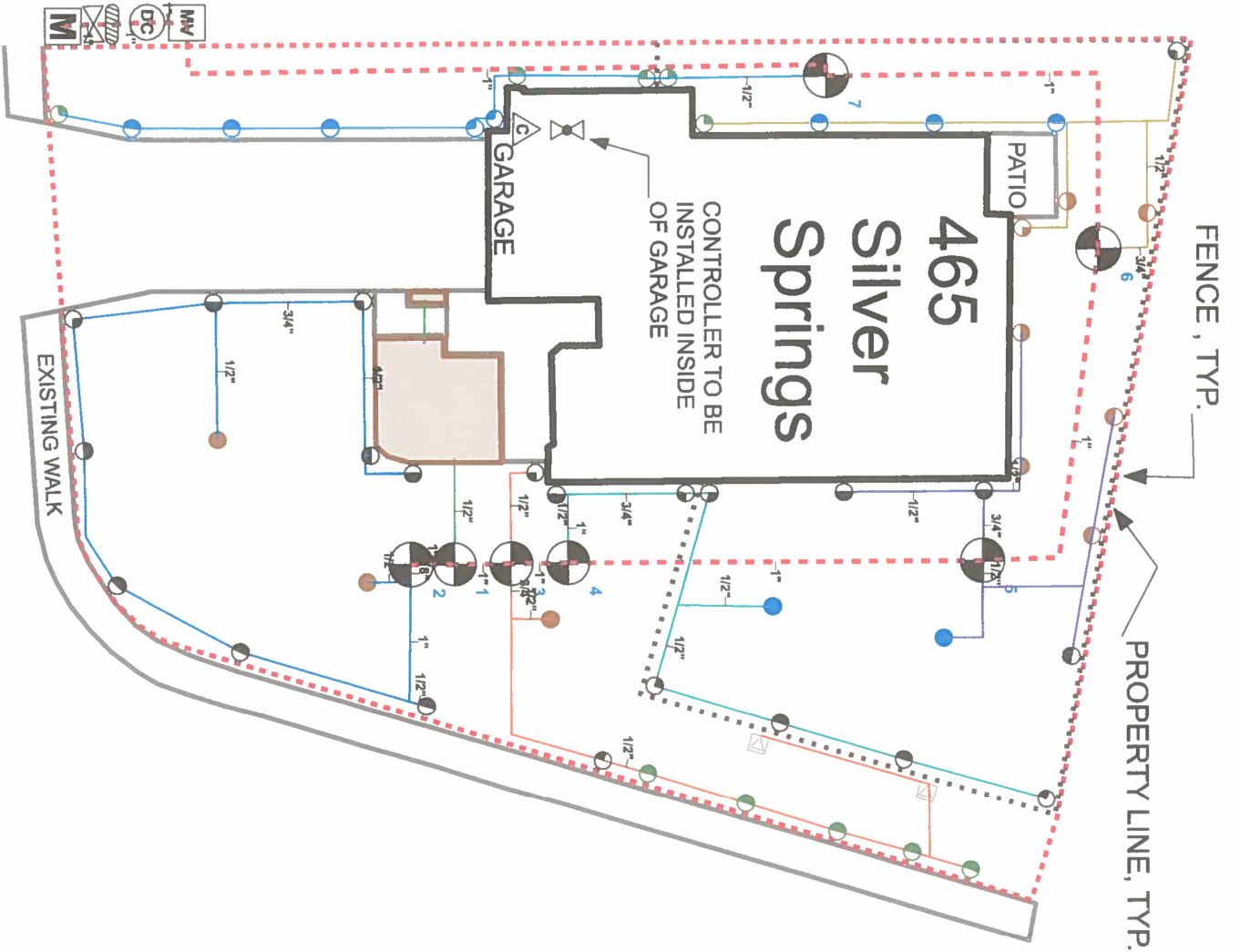


10.5.21

- NOTES:**
- Emission devices to be installed min. 4 inches from impervious surfaces.
 - Heads to be attached to laterals with flex pipe or swing joints.
 - Adjust sprinklers to minimize overspray onto impervious surfaces.
 - All valves to be installed inside accessible valve box.
 - Check valves to be used as needed to prevent low-head drainage.
 - Wire to be UL listed for underground burial, and sized per manufacturer recommendation.
 - Wire splices to be waterproofed.
 - Wire and pipe to be installed per manufacturer specs or buried with min. 6 inches select backfill.
 - Pipe to be sized such that flow will not exceed velocity of 5 feet per second.
 - PVC pipe joints to be primed with colored primer prior to applying PVC cement.
 - All trenches and holes to be backfilled and compacted to original grade.
 - Irrigation distribution lines will be a minimum of 2 feet from the back of the curb.



La Copa
LANDSCAPING
111

La Copa Ventures
102 South FM 1660
Hutto TX 78634
512.642.9970

SHEET DESCRIPTION:
Irrigation Plan

PROJECT:
465 Silver Springs Bend
Kyle, TX

REVISIONS: None
DATE: 05/20/2021
JOB NUMBER: JTB
DRAWN BY: LJ
CHECKED BY: .
SCALE: 1" = 20'
SHEET: 1 of 1

Irrigation

Quantity	Symbol	Description	Part Number	Pressure	Flow	Radius
Sprinklers						
2	●	Rain Bird 10F - 1804	10F	30 psi	1.58 gpm	10 ft
2	●	Rain Bird 10H - 1804	10H	30 psi	0.79 gpm	10 ft
6	●	Rain Bird 10Q	10Q	30 psi	0.39 gpm	10 ft
3	●	Rain Bird 12F - 1804	12F	30 psi	2.6 gpm	12 ft
6	●	Rain Bird 12H - 1804	12H	30 psi	1.3 gpm	12 ft
1	●	Rain Bird 12Q - 1804	12Q	30 psi	0.65 gpm	12 ft
13	●	Rain Bird 15H - 1804	15H	30 psi	1.85 gpm	15 ft
9	●	Rain Bird 15Q - 1804	15Q	30 psi	0.92 gpm	15 ft
2	●	Rain Bird 15SST - 1812	15SST	30 psi	1.21 gpm	30 x 4 ft
4	●	Rain Bird 8H	8H	30 psi	0.52 gpm	8 ft
4	●	Rain Bird 8Q - 14001-M	8Q	30 psi	0.26 gpm	8 ft
Meters/Pumps						
1	Ⓜ	3/4 inch meter				
Backflow Assemblies						
1	Ⓢ	Wilkins 350 - 3/4"	350 - 3/4"			
Control Valves						
1	Ⓜ	Hunter PGV-101G	PGV-101G			
7	Ⓜ	Hunter PGV-101G	PGV-101G			
Y-Strainers / Filters						
1	Ⓢ	Wilkins YB-3/4"	YB-3/4"			
Irrigation Accessories						
1	Ⓜ	Hunter ET SENSOR	ET SENSOR			
1	Ⓜ	Hunter XC-8001	XC-8001			
1	Ⓜ	Nibco 1" Isolation valve				
Lateral Line Pipe						
510 ft	—	Class 315 1/2"	0			
97 ft	—	Class 200 3/4"	0			
108 ft	—	Class 160 1"	0			
3 ft	—	Class 160 8"	0			
Mainline Pipe						
262 ft	—	Class 160 1"	0			
Drip Tubing						
135 ft	—	Hunter PDL-06-18	PDL-06-18			

15.95 ft

Water Source #1	
Meter Size	3/4 inch meter
Static Pressure	65 psi
Elevation Change	0 ft
Service Line Information	
Pipe Category	Schedule 40 PVC
Pipe Size	Schedule 40 1 1/2"
Length	5 ft
Velocity	5 fps
Recommendations	
Maximum Recommended Flow	20 gpm
Available Working Pressure	58.45 psi

Run Set: 1

Water Source #1	
Type	Meter
Static Pressure	65 psi
Service Line	0 psi
Meter Loss	0.072 psi

Mainline Components	
Backflow Loss	11.478 psi
Master Valve Loss	0.968 psi
Filter Loss	0.121 psi

Zone 1 @ 0.88 gpm	
Mainline Loss	0.04 psi
Valve Loss	0.968 psi
Lateral Loss	0 psi
Fittings Loss	0.004 psi
Elevation	0 psi
Sprinkler Requirement	30 psi
Total Design Pressure	43.522 psi
Residual Pressure	21.478 psi

Sprinkler Zone Data

Zone #	Total Area	Total Flow	Precip Rate
2	1924.86 Sq/Ft	19.99 gpm	1 in/hr
3	1050.55 Sq/Ft	9.46 gpm	0.87 in/hr
4	1264.42 Sq/Ft	10.81 gpm	0.82 in/hr
5	1298.5 Sq/Ft	12.33 gpm	0.91 in/hr
6	797.63 Sq/Ft	6.8 gpm	0.82 in/hr
7	653.1 Sq/Ft	4.45 gpm	0.66 in/hr

Drip Zone Data

Zone #	Total Area	Total Flow	Precip Rate
1	201.3 Sq/Ft	52.8 gph	0.42 in/hr



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None

DATE: 05/20/2021
JOB NUMBER: JT3
DRAWN BY: LJ
CHECKED BY: *

SCALE: 1" = 20'
SHEET: 1 of 1