

Irrigation

Quantity	Symbol	Description	Part Number	Pressure	Flow	Radius
Sprinklers						
2	●	Rain Bird 10H - 1804	10H	30 psi	0.79 gpm	10 ft
1	●	Rain Bird 10Q - 1804	10Q	30 psi	0.39 gpm	10 ft
3	●	Rain Bird 12F - 1804	12F	30 psi	2.6 gpm	12 ft
5	●	Rain Bird 12H - PROS-04-PRS30	12H	30 psi	1.3 gpm	12 ft
2	●	Rain Bird 12Q - 1804	12Q	30 psi	0.65 gpm	12 ft
4	●	Rain Bird 12T - 1804	12T	30 psi	0.87 gpm	12 ft
7	●	Rain Bird 15H - 1804	15H	30 psi	1.85 gpm	15 ft
7	●	Rain Bird 15Q - 1804	15Q	30 psi	0.92 gpm	15 ft
4	●	Rain Bird 5000 Series 1.5 - 5004-PL-PC	1.5	45 psi	1.54 gpm	35 ft
3	●	Rain Bird 5000 Series 2.0 - 5004-PL-PC	2.0	45 psi	2.07 gpm	37 ft
3	●	Rain Bird 6-VAN 90 - 1804	6-VAN	30 psi	0.37 gpm	6 ft
44	●	Rain Bird 8H - 1804	8H	30 psi	0.52 gpm	8 ft
9	●	Rain Bird 8Q - 1804	8Q	30 psi	0.26 gpm	8 ft

Meters/Pumps		
1	M	5/8 inch meter

Backflow Devices		
1	⊕	Febco 765 - 1"

Control Valves		
8	⊕	Hunter PGV-100G-S

Irrigation Accessories		
1	⚡	Hunter MINI-CLIK
1	⚡	Hunter XC-800i
1	⊗	Nibco 1" isolation valve

Lateral Line Pipe		
997 ft	—	Class 200 3/4"
40 ft	—	Class 200 1"

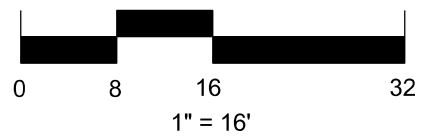
Mainline Pipe		
51 ft	- - -	Schedule 40 1"
159 ft	- - -	Class 200 1"

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 1"
Length	0 ft
Velocity	5 fps

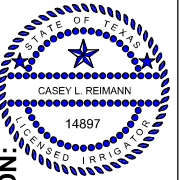
Recommendations	
Maximum Recommended Flow	13 gpm
Available Working Pressure	58.5 psi

The maximum velocity of the PVC water piping will not exceed 5 linear feet per second.
 Plans and instruction manuals will be kept on site during the installation of the system.
 Proposed watering schedule will be programmed into controller.
 There will be a permanent sticker on controller.
 Wiring used to connect controller is U.L. approved.
 Irrigation in Texas is regulated by the Texas Commission on Environmental Quality (TCEQ) (MC-178).
 PO Box 13087, Austin, Texas 78711-3087.
 TCEQ's website is:
www.tceq.state.tx.us
 Backflow preventer will need to be tested yearly.



**TEXAS
IRRIGATION
DESIGN**

281 341-0499



SHEET DESCRIPTION:
IRRIGATION DESIGN
Casey Reimann
04/06/2015

PROJECT:
LAN YU
23919 ELDEN HILLS COURT
KATY, TX 77494
713 898-1906

REVISIONS:
None

DATE:
04/06/2015
JOB NUMBER:
D1-04062015
DRAWN BY:
CASEY REIMANN
CHECKED BY:
CLR

SCALE:
1" = 16'

SHEET:
1 of 1