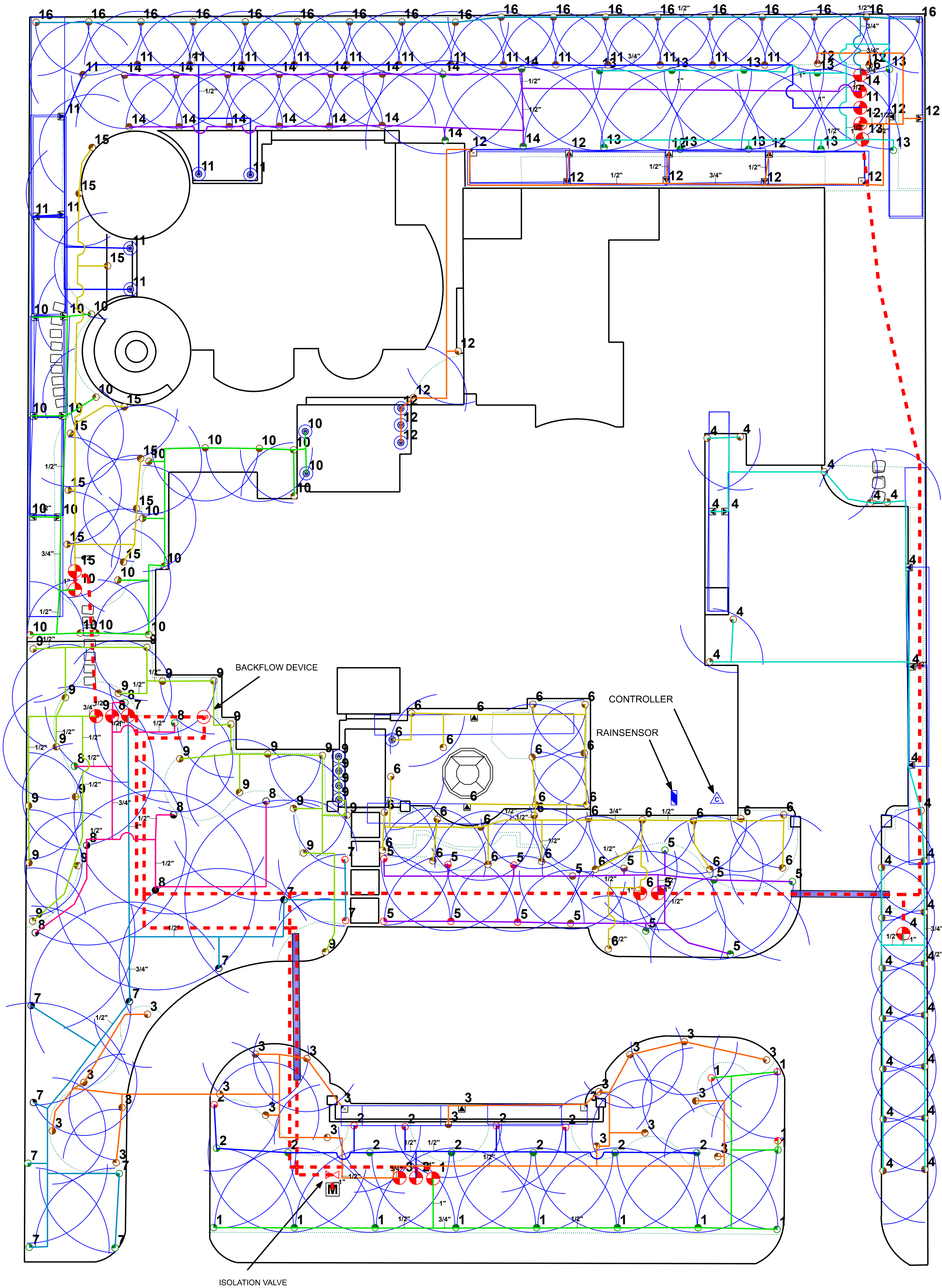




Irrigation

Quantity	Symbol	Description	Part Number	Pressure	Flow	Radius
Sprinklers						
4		Hunter 10H - PROS-04	10H	30 psi	0.88 gpm	10 ft
12		Hunter 10Q - PROS-04	10Q	30 psi	0.42 gpm	10 ft
28		Hunter 12H - PROS-04	12H	30 psi	1.3 gpm	12 ft
14		Hunter 12Q - PROS-04	12Q	30 psi	0.67 gpm	12 ft
1		Hunter 15F - PROS-04	15F	30 psi	3.75 gpm	15 ft
6		Hunter 15H - PROS-04	15H	30 psi	1.86 gpm	15 ft
3		Hunter 15Q - PROS-04	15Q	30 psi	0.97 gpm	15 ft
65		Hunter 8H - PROS-04	8H	30 psi	0.47 gpm	8 ft
49		Hunter 8H - PROS-06	8H	30 psi	0.47 gpm	8 ft
37		Hunter 8Q - PROS-04	8Q	30 psi	0.24 gpm	8 ft
12		Hunter 8Q - PROS-06	8Q	30 psi	0.24 gpm	8 ft
1		Hunter LCS-515 - PROS-06	LCS-515	30 psi	0.65 gpm	15 x 5 ft
2		Hunter RCS-515 - PROS-04	RCS-515	30 psi	0.65 gpm	15 x 5 ft
1		Hunter RCS-515 - PROS-06	RCS-515	30 psi	0.65 gpm	15 x 5 ft
20		Hunter SS-530 - PROS-04	SS-530	30 psi	1.3 gpm	30 x 5 ft
5		Hunter SS-530 - PROS-06	SS-530	30 psi	1.3 gpm	30 x 5 ft
14		Rain Bird XS-360TS-SPYK	XS-360TS-SPYK	20 psi	0.33 gpm	5.6 ft

1		1 inch meter	
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1		Febco 765 - 1"	765 - 1"
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16		Hunter PGV-100G-S	PGV-100G-S
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1		Hunter MINI-CLIK	MINI-CLIK
1		Hunter PCC-1500i	PCC-1500i
2		Nibco 1" isolation valve	

2248 ft		Class 315 1/2"	
268 ft		Class 200 3/4"	
189 ft		Class 200 1"	

494 ft		Class 200 1"	
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37 ft		Schedule 40 4"	
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Sprinkler Zone Data

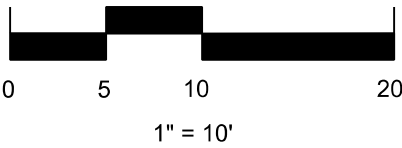
Zone #	Total Area	Total Flow	Precip Rate
1	1083.76 Sq/Ft	11.07 gpm	0.98 in/hr
2	1101.59 Sq/Ft	10.57 gpm	0.92 in/hr
3	976.08 Sq/Ft	9.69 gpm	0.96 in/hr
4	1012.81 Sq/Ft	15 gpm	1.43 in/hr
5	701.35 Sq/Ft	11.01 gpm	1.51 in/hr
6	929.21 Sq/Ft	12.62 gpm	1.31 in/hr
7	1209.58 Sq/Ft	11.93 gpm	0.95 in/hr
8	1143.54 Sq/Ft	12.05 gpm	1.01 in/hr
9	889.35 Sq/Ft	9.12 gpm	0.99 in/hr
10	808.1 Sq/Ft	12.97 gpm	1.55 in/hr
11	1100.5 Sq/Ft	11.8 gpm	1.03 in/hr
12	678.94 Sq/Ft	14.11 gpm	2 in/hr
13	667.14 Sq/Ft	11.74 gpm	1.69 in/hr
14	769.43 Sq/Ft	10.84 gpm	1.36 in/hr
15	607.1 Sq/Ft	4.7 gpm	0.75 in/hr
16	1021.93 Sq/Ft	8 gpm	0.75 in/hr

Water Source #1	
Meter Size	1 inch meter
Static Pressure	65 psi
Elevation Change	0 ft

Service Line Information	
Pipe Category	Galvanized
Pipe Size	Galvanized 1"
Length	0 ft
Velocity	5 fps

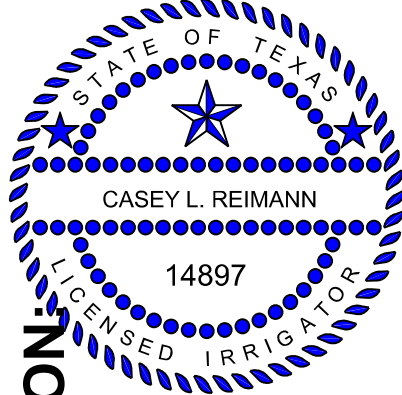
Recommendations	
Maximum Recommended Flow	13.47 gpm
Available Working Pressure	58.5 psi

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
03/20/2015

PROJECT:
514 LINDENWOOD
HOUSTON, TX

REVISIONS:
None

DATE:
03/20/2015

JOB NUMBER:
D1-03202015

DRAWN BY:
CASEY REIMANN

CHECKED BY:
CLR

SCALE:
1" = 10'

SHEET:
1 of 1