

Run Set: 1		Run Set: 2		Run Set: 13	
Water Source #1		Water Source #1		Water Source #1	
Description	Water Meter	Description	Water Meter	Description	Water Meter
Type	Meter	Type	Meter	Type	Meter
Static Pressure	48 psi	Static Pressure	48 psi	Static Pressure	48 psi
Service Line	0.028 psi	Service Line	0.057 psi	Service Line	0.128 psi
Meter Loss	0.777 psi	Meter Loss	1.475 psi	Meter Loss	3.401 psi
Mainline Components		Mainline Components		Mainline Components	
Backflow Loss	3 psi	Backflow Loss	3 psi	Backflow Loss	3 psi
Master Valve Loss	0 psi	Master Valve Loss	0 psi	Master Valve Loss	0 psi
Filter Loss	0 psi	Filter Loss	0 psi	Filter Loss	0 psi
Zone 1 @ 29.58 gpm		Zone 2 @ 43.75 gpm		Zone 13 @ 67.51 gpm	
Mainline Loss	0.3 psi	Mainline Loss	0.39 psi	Mainline Loss	2.76 psi
Valve Loss	1.282 psi	Valve Loss	0.962 psi	Valve Loss	1.46 psi
Lateral Loss	1.036 psi	Lateral Loss	1.505 psi	Lateral Loss	4.337 psi
Fittings Loss	0.133 psi	Fittings Loss	0.19 psi	Fittings Loss	0.71 psi
Elevation	0 psi	Elevation	0 psi	Elevation	0 psi
Sprinkler Requirement	30 psi	Sprinkler Requirement	30 psi	Sprinkler Requirement	30 psi
Total Design Pressure	36.419 psi	Total Design Pressure	37.393 psi	Total Design Pressure	45.087 psi
Residual Pressure	11.581 psi	Residual Pressure	10.607 psi	Residual Pressure	2.913 psi

Water Source #1	
Meter Size	2 inch meter
Static Pressure	48 psi
Elevation Change	0 ft
Service Line Information	
Pipe Category	Schedule 40 PVC
Pipe Size	Schedule 40 2 1/2"
Length	10 ft
Velocity	5 fps
Recommendations	
Maximum Recommended Flow	74.61 gpm
Available Working Pressure	43.04 psi

Irrigation

Qty	Symbol	Description	Part Number	Pressure	Flow	Radius
Sprinklers						
1	●	Rain Bird 10H - PROS-04	10H	30 psi	0.79 gpm	10 ft
2	●	Rain Bird 10Q - PROS-04	10Q	30 psi	0.39 gpm	10 ft
13	●	Rain Bird 12F - PROS-04	12F	30 psi	2.6 gpm	12 ft
5	●	Rain Bird 12F - PROS-12	12F	30 psi	2.6 gpm	12 ft
32	●	Rain Bird 12H - PROS-04	12H	30 psi	1.3 gpm	12 ft
3	●	Rain Bird 12H - PROS-12	12H	30 psi	1.3 gpm	12 ft
10	●	Rain Bird 12Q - PROS-04	12Q	30 psi	0.65 gpm	12 ft
2	●	Rain Bird 12Q - PROS-12	12Q	30 psi	0.65 gpm	12 ft
2	●	Rain Bird 12T - PROS-04	12T	30 psi	0.87 gpm	12 ft
24	●	Rain Bird 1402	1402	30 psi	0.5 gpm	0 ft
46	●	Rain Bird 15F - PROS-04	15F	30 psi	3.7 gpm	15 ft
11	●	Rain Bird 15F - PROS-12	15F	30 psi	3.7 gpm	15 ft
60	●	Rain Bird 15H - PROS-04	15H	30 psi	1.85 gpm	15 ft
14	●	Rain Bird 15H - PROS-12	15H	30 psi	1.85 gpm	15 ft
22	●	Rain Bird 15Q - PROS-04	15Q	30 psi	0.92 gpm	15 ft
3	●	Rain Bird 15Q - PROS-12	15Q	30 psi	0.92 gpm	15 ft
3	●	Rain Bird 15SST - PROS-04	15SST	30 psi	1.21 gpm	30 x 4 ft
4	●	Rain Bird 15T - PROS-04	15T	30 psi	1.23 gpm	15 ft
4	●	Rain Bird 15T - PROS-12	15T	30 psi	1.23 gpm	15 ft
2	●	Rain Bird 5H - PROS-04	5H	30 psi	0.2 gpm	5 ft
8	●	Rain Bird 6-VAN 180 - PROS-04	6-VAN	30 psi	0.6 gpm	6 ft
1	●	Rain Bird 6-VAN 90 - PROS-04	6-VAN	30 psi	0.37 gpm	6 ft
4	●	Rain Bird 8H - PROS-04	8H	30 psi	0.52 gpm	8 ft
2	●	Rain Bird 8H - PROS-12	8H	30 psi	0.52 gpm	8 ft
5	●	Rain Bird 8Q - PROS-12	8Q	30 psi	0.26 gpm	8 ft

Water Source

1	M	2 inch meter	
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Backflow Devices

1	△	Febco 765 - 2"	765 - 2"
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Control Valves

5	+	Rain Bird 100-DVF-SS	100-DVF-SS
3	+	Rain Bird 150-PGA Angle	150-PGA
7	+	Rain Bird 200-PGA Angle	200-PGA Angle

Irrigation Accessories

1	●	Hunter MINI-CLIK	MINI-CLIK
1	△	Hunter PC-1500	PC-1500

Lateral Line Pipe

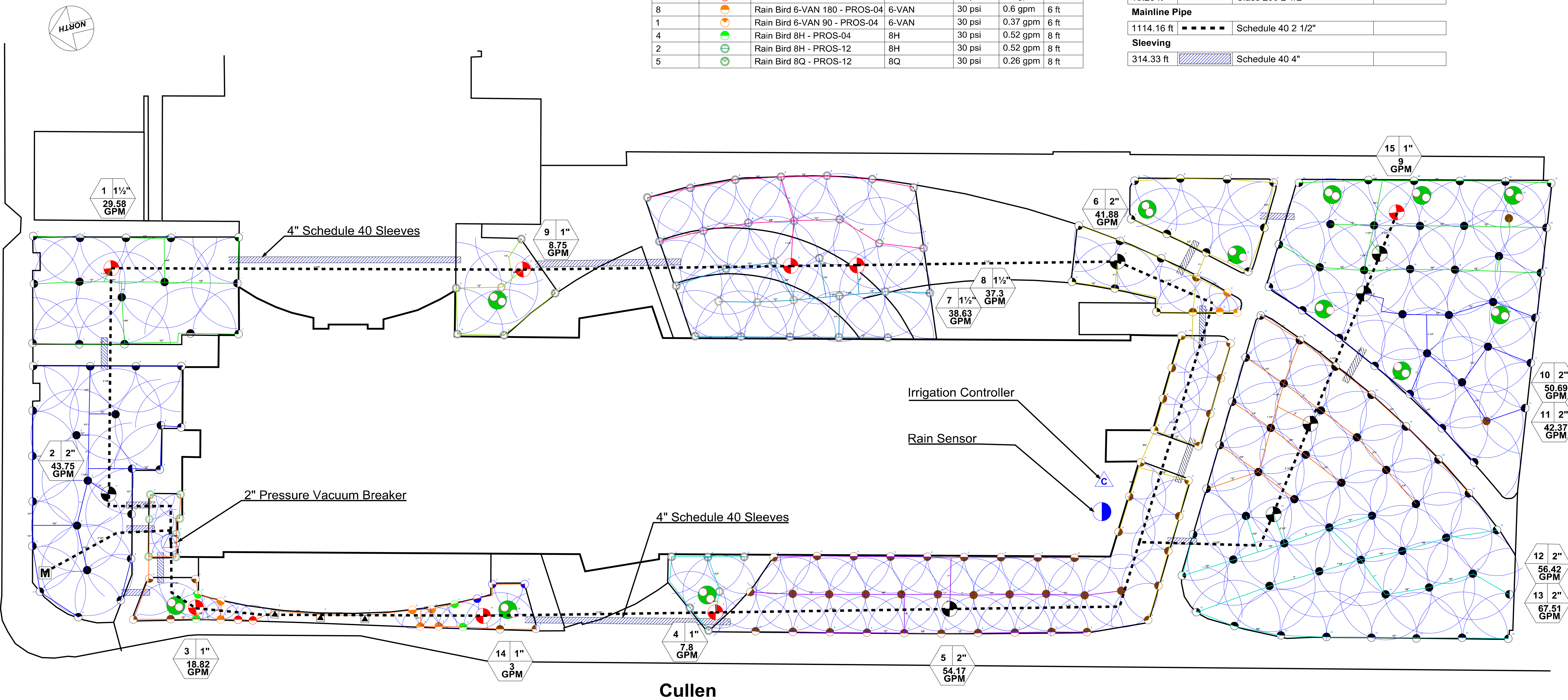
2295 ft	—	Class 315 1/2"
517.12 ft	—	Class 200 3/4"
373.42 ft	—	Class 200 1"
76.06 ft	—	Class 200 1 1/4"
52.41 ft	—	Class 200 1 1/2"
136.28 ft	—	Class 200 2"
10.28 ft	—	Class 200 2 1/2"

Mainline Pipe

1114.16 ft	—	Schedule 40 2 1/2"
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Sleeving

314.33 ft	▨	Schedule 40 4"
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Creative Landscapes of Texas
5526 Edward Dr.
Houston, TX 77032
281-590-7300

SHEET DESCRIPTION:
Irrigation Design

PROJECT:
University of Houston
576 Fleming Teaching Lab Building
UH Project No. GO702-P770769

REVISIONS:
None

Daniel E. Todd
6121

DATE:
07/18/2010

JOB NUMBER:
1

DRAWN BY:
Daniel E. Todd

CHECKED BY:
X

SCALE:
1" = 16'

SHEET:
1 of 1