IRRIGATION SCHEDULE

Symbol	Description	Part #	Pressure	Flow	Radius
	Walla Walla Sprinkler Co. MP1000 180°	MP1000 90-210°	30	0.32	12
	Walla Walla Sprinkler Co. MP1000 210°	MP1000 360°	30	0.37	12
	Walla Walla Sprinkler Co. MP1000 90°	MP1000 90-210°	30	0.18	12
	Hunter PGJ-.75 - PGJ-04	.75	40	0.75	16
	Hunter PGJ-1.0 - PGJ-04	1.0	40	1	19
	Hunter PGJ-1.5 - PGJ-04	1.5	40	1.5	22
	Walla Walla Sprinkler Co. MP88		30	0.27	24
	Hunter PGJ-2.0 - PGJ-04	2.0	40	2	25
	Hunter PGP-03 - PGP-ADJ	03	50	1.2	31
	Rain Bird 1404 tree bubbler	1404	30	1	0
	Rain Bird 100-PESB	100-PESB			
	Rain Bird XCZ-100 B COM	XCZ-100 COM			
	Hunter ICC-2000PL WITH RAINSWITCH	ICC-2000PL			
	Nibco 1" Isolation valve				
	Point of connection at pump/rain collection tanks (by others) connection size 1 1/4" npt				
	Lateral - Class 200 1 1/2"				
	Lateral - Class 200 1 1/4"				
	Lateral - Class 200 1"				
	Lateral - Class 200 2"				
	Lateral - Class 200 3/4"				
	Mainline - Schedule 40 1 1/4"				
	Irrigation sleeves- Schedule 40 4" pvc				
	LD-09-12 drip line		0	0	0

Individual Zone Data

Zone Assignment	1-1	1-2	1-3	1-4	1-5
Original Flow (GPM)	11.75	16	17.39	15.7	14.5
Average Precip (in/hr)	0.6834	0.3503	0.5072	0.3832	0.2456

Zone Assignment	1-6	1-7	1-8
Original Flow (GPM)	17.19	19	18
Average Precip (in/hr)	0.3131	0.3131	0.3131

Run Set: 1-3

Water Source 1
Description: New Water Source
Type: Pump
Pump Pressure: 50 (psi)

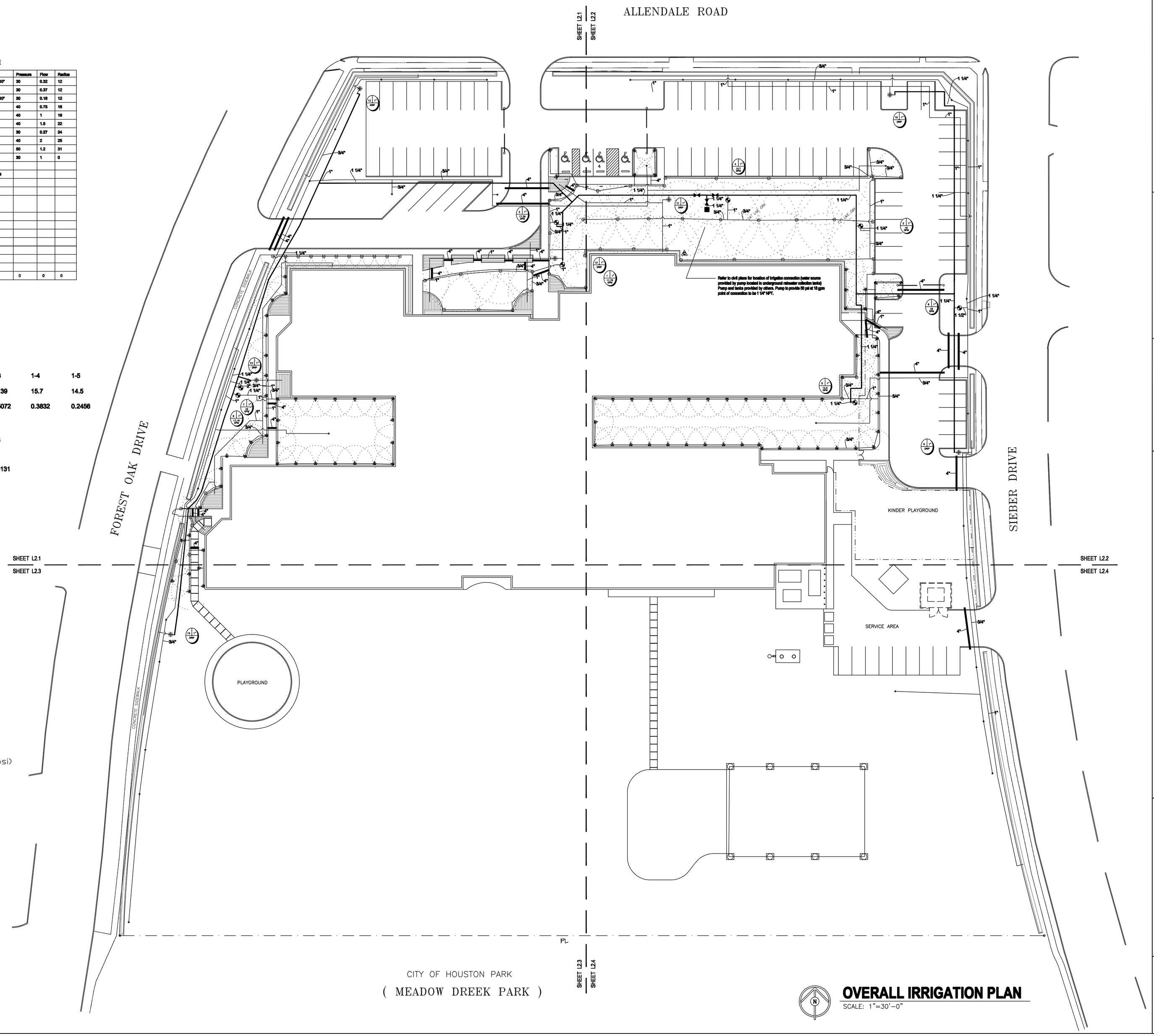
Mean System
Static Pressure: 50 (psi)
Service Line Loss: 0 (psi)
Meter Loss: 0 (psi)
Backflow Loss: 0 (psi)
Master Valve Loss: 0 (psi)

Zone 1-3 @ 17.39 (GPM)
Mainline Loss: 2.68 (psi)
Valve Loss: 2.61 (psi)
Lateral Loss: 1.24 (psi)
Elevation: 0 (psi)
Sprinkler Requirement: 40 (psi)

Total Design Pressure: 46.53 (psi)
Residual Pressure: 03.47 (psi)

IRRIGATION WATER SOURCE DESIGN / REQUIREMENTS

Pump Information
Available Working Pressure: 50 PSI min.
Minimum Recommended Flow: 17-18 GPM



OVERALL IRRIGATION PLAN
SCALE: 1"=30'-0"

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CONSULTANT:

STAMP: 6/10/09 STATE OF TEXAS LESLIE W. SHOUR 1531 LICENSED IRRIGATOR

5302 ALLENDALE

IRRIGATION PLAN PATTERSON

ROBERT PATTERSON ELEMENTARY SCHOOL

DESIGN DEVELOPMENT

DATE: 6.11.09
PROJECT NO.: -
REVISIONS:

SHEET:

L2

OF