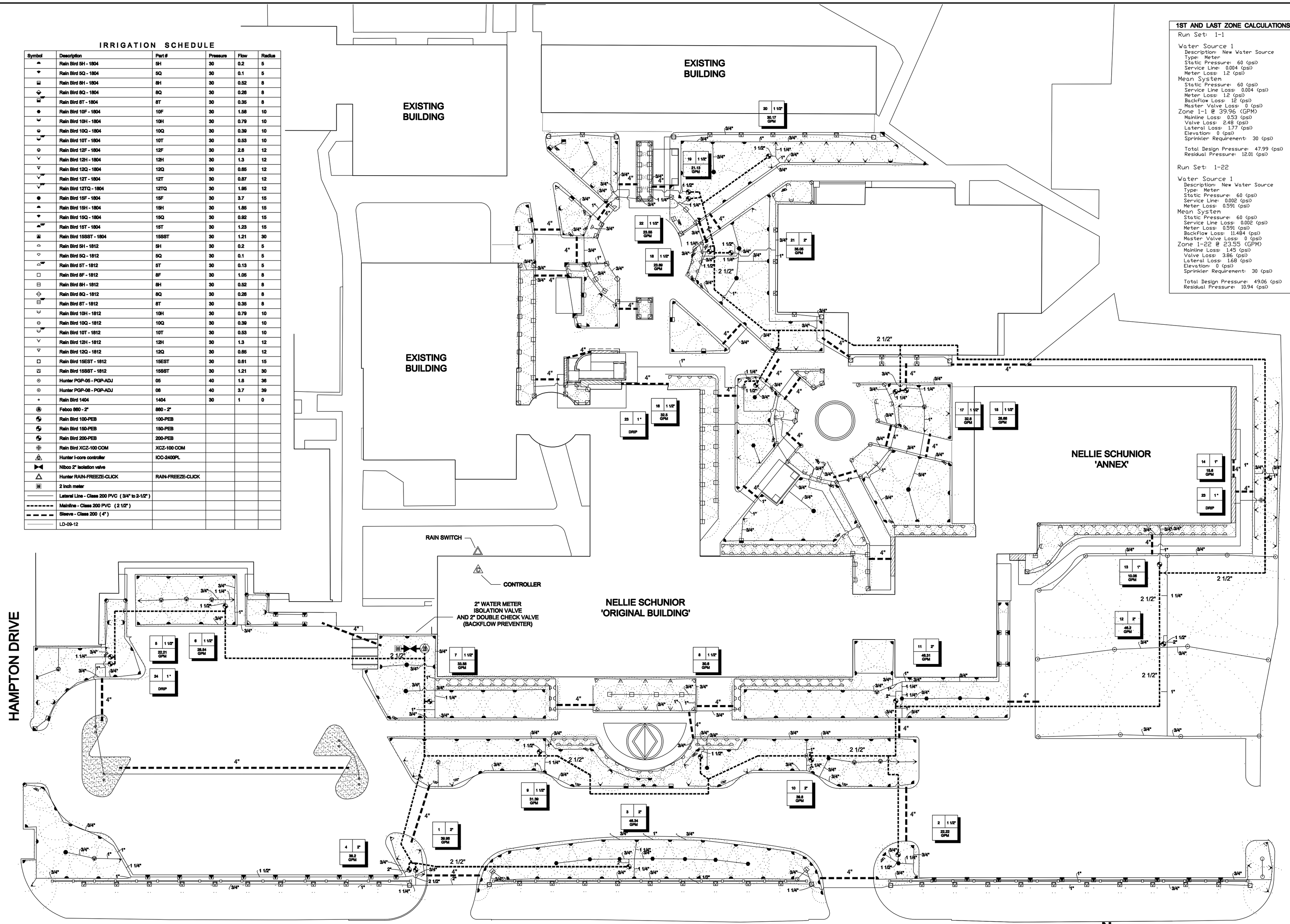
IRRIGATION SCHEDULE

Symbol	Description	Part #	Pressure	Flow	Radius
	Rain Bird 5H - 1804	5H	30	0.2	5
	Rain Bird 5Q - 1804	5Q	30	0.1	5
	Rain Bird 8H - 1804	8H	30	0.52	8
	Rain Bird 8Q - 1804	8Q	30	0.26	8
	Rain Bird 8T - 1804	8T	30	0.35	8
	Rain Bird 10F - 1804	10F	30	1.58	10
	Rain Bird 10H - 1804	10H	30	0.79	10
	Rain Bird 10Q - 1804	10Q	30	0.39	10
	Rain Bird 10T - 1804	10T	30	0.53	10
	Rain Bird 12F - 1804	12F	30	2.6	12
	Rain Bird 12H - 1804	12H	30	1.3	12
	Rain Bird 12Q - 1804	12Q	30	0.65	12
	Rain Bird 12T - 1804	12T	30	0.87	12
	Rain Bird 12TQ - 1804	12TQ	30	1.95	12
	Rain Bird 15F - 1804	15F	30	3.7	15
	Rain Bird 15H - 1804	15H	30	1.85	15
	Rain Bird 15Q - 1804	15Q	30	0.92	15
	Rain Bird 15T - 1804	15T	30	1.23	15
	Rain Bird 15SST - 1804	15SST	30	1.21	30
	Rain Bird 5H - 1812	5H	30	0.2	5
	Rain Bird 5Q - 1812	5Q	30	0.1	5
	Rain Bird 5T - 1812	5T	30	0.13	5
	Rain Bird 8F - 1812	8F	30	1.05	8
	Rain Bird 8H - 1812	8H	30	0.52	8
	Rain Bird 8Q - 1812	8Q	30	0.26	8
	Rain Bird 8T - 1812	8T	30	0.35	8
	Rain Bird 10H - 1812	10H	30	0.79	10
	Rain Bird 10Q - 1812	10Q	30	0.39	10
	Rain Bird 10T - 1812	10T	30	0.53	10
	Rain Bird 12H - 1812	12H	30	1.3	12
	Rain Bird 12Q - 1812	12Q	30	0.65	12
	Rain Bird 15EST - 1812	15EST	30	0.61	15
	Rain Bird 15SST - 1812	15SST	30	1.21	30
	Hunter PGP-05 - PGP-ADJ	05	40	1.8	36
	Hunter PGP-08 - PGP-ADJ	08	40	3.7	39
	Rain Bird 1404	1404	30	1	0
	Febco 860 - 2"	860 - 2"			
	Rain Bird 100-PEB	100-PEB			
	Rain Bird 150-PEB	150-PEB			
	Rain Bird 200-PEB	200-PEB			
	Rain Bird XCZ-100 COM	XCZ-100 COM			
	Hunter I-core controller	ICC-2400PL			
	Nibco 2" isolation valve				
	Hunter RAIN-FREEZE-CLICK	RAIN-FREEZE-CLICK			
	2 inch meter				
	Lateral Line - Class 200 PVC (3/4" to 2-1/2")				
	Mainline - Class 200 PVC (2 1/2")				
	Sleeve - Class 200 (4")				
	LD-09-12				



1ST AND LAST ZONE CALCULATIONS

Run Set: 1-1

Water Source 1
- Description: New Water Source
- Type: Meter
- Static Pressure: 60 (psi)
- Service Line: 0.004 (psi)
- Meter Loss: 1.2 (psi)

Mean System
- Static Pressure: 60 (psi)
- Service Line Loss: 0.004 (psi)
- Meter Loss: 1.2 (psi)
- Backflow Loss: 12 (psi)
- Master Valve Loss: 0 (psi)

Zone 1-1 @ 39.96 (GPM)
- Mainline Loss: 0.53 (psi)
- Valve Loss: 2.48 (psi)
- Lateral Loss: 1.77 (psi)
- Elevation: 0 (psi)
- Sprinkler Requirement: 30 (psi)

Total Design Pressure: 47.99 (psi)
Residual Pressure: 12.01 (psi)

Run Set: 1-22

Water Source 1
- Description: New Water Source
- Type: Meter
- Static Pressure: 60 (psi)
- Service Line: 0.002 (psi)
- Meter Loss: 0.591 (psi)

Mean System
- Static Pressure: 60 (psi)
- Service Line Loss: 0.002 (psi)
- Meter Loss: 0.591 (psi)
- Backflow Loss: 11.484 (psi)
- Master Valve Loss: 0 (psi)

Zone 1-22 @ 23.55 (GPM)
- Mainline Loss: 1.45 (psi)
- Valve Loss: 3.86 (psi)
- Lateral Loss: 1.68 (psi)
- Elevation: 0 (psi)
- Sprinkler Requirement: 30 (psi)

Total Design Pressure: 49.06 (psi)
Residual Pressure: 10.94 (psi)

1 IR.100 OVERALL IRRIGATION
SCALE: 1"=20' REF:

1401 EAST 7TH STREET
AUSTIN TEXAS 78702
PH. 512.474.6526
FAX. 512.474.6761

204 E. STUBBS STREET
EDINBURG, TX 78539
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NEGRETE & KOLAR ARCHITECTS
WWW.NEKOARCH.COM

STATE OF TEXAS
LISLE W SHOUR
1531
REGISTERED IRRIGATION DESIGNER

ISSUED FOR BID: 12/15/2011

PROJECT NO. 2912

LA JOUA INDEPENDANY SCHOOL DISTRICT
NELLIE SCHUNIOR RENOVATION - PHASE II
LA JOYA, TEXAS 78560

12.15.2011
DFB

REVISIONS

IRRIGATION PLAN

IR.100