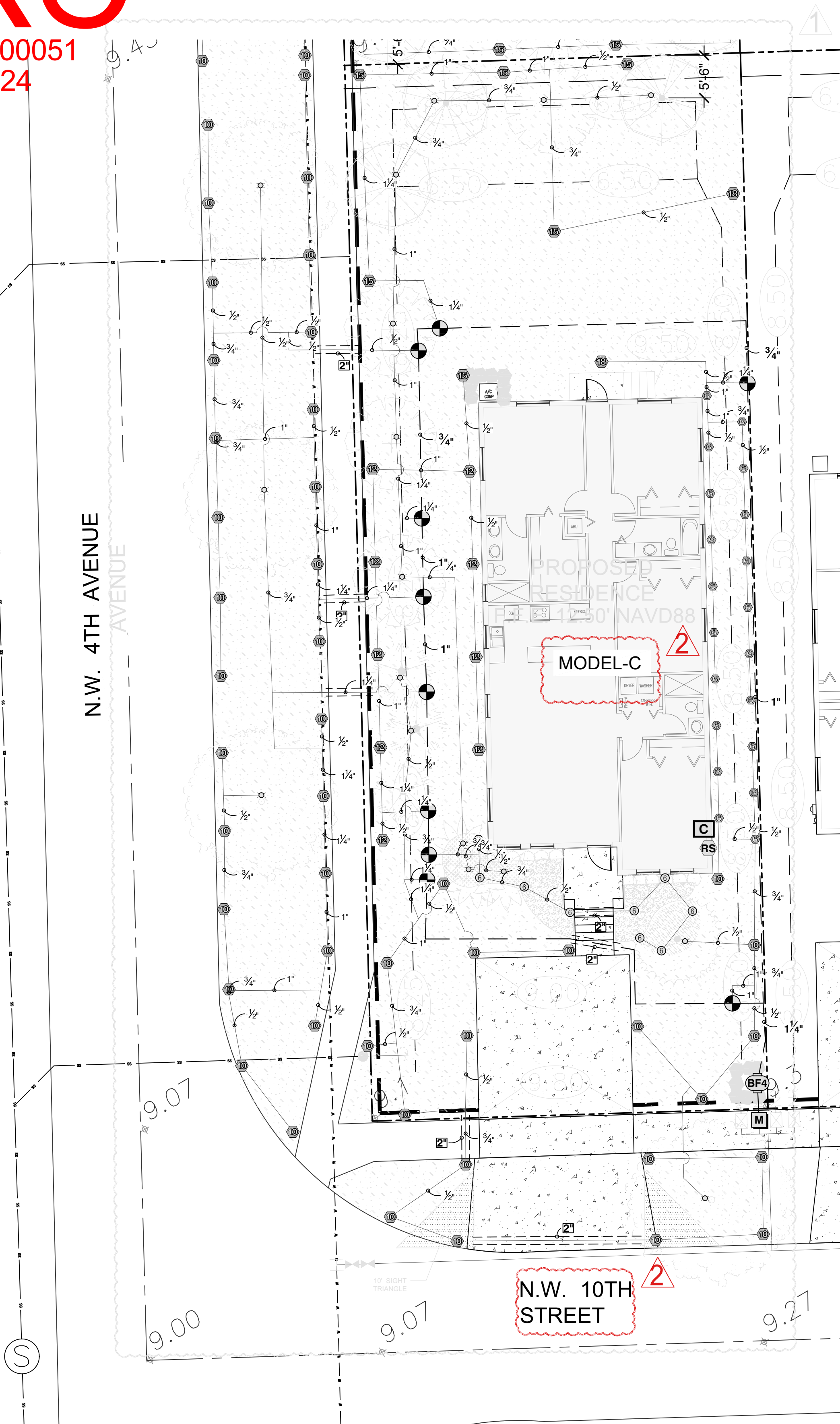


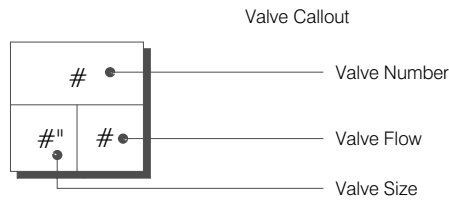
DRC

PZ23-12000051
05/15/2024



IRRIGATION SCHEDULE (Aerial)

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	DETAIL
	Rain Bird 1806-PRS ADJ Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	22	30	
	Rain Bird 1806-PRS ADJ Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	60	30	
	Rain Bird 1800-PA-8S-PRS ADJ Shrub Spray on fixed riser with the PA-8S-PRS Pressure Regulating Shrub Adapter. Use with 1/2" MPT threaded risers.	9	30	
	Rain Bird 1800-5 Series Stream Stream Bubbler on fixed riser.	18	15	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY		DETAIL
	Rain Bird PESB-PRS-D (2) 1" 1in., 1-1/2in., 2in. Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration. With Pressure Regulating Module, and Scrubber Technology for Reliable Performance in Dirty Water Irrigation Applications.	10		
	Febco 825Y 1" Reduced Pressure Backflow Preventer	1		
	Rain Bird ESP4MEI with (1) ESP-SM6 10 Station, Hybrid Modular Indoor Controller. For Residential or Light Commercial Applications.	1		
	Rain Bird RSD-BEx (2) Rain Sensor, with metal latching bracket, extension wire.	1		
	Water Meter 5/8" 5/8" METER	1		
	Irrigation Lateral Line: PVC Schedule 40	16.1 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 1/2"	674.7 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 3/4"	239.7 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 1"	191.4 l.f.		
	Irrigation Lateral Line: PVC Schedule 40 1 1/4"	151.1 l.f.		
	Irrigation Mainline: PVC Schedule 40-NP 3/4"	75.1 l.f.		
	Irrigation Mainline: PVC Schedule 40-NP 1"	185.3 l.f.		
	Irrigation Mainline: PVC Schedule 40-NP 1 1/4"	15.2 l.f.		
	Pipe Sleeve: PVC Schedule 40	6.0 l.f.		
	Pipe Sleeve: PVC Schedule 40 2"	50.1 l.f.		



CRITICAL ANALYSIS

Generated: 2024-02-20 22:57

P.O.C. NUMBER: 01
Water Source Information: 5/8" METER

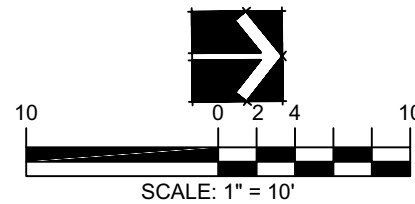
FLOW AVAILABLE
Water Meter Size: 5/8"
Flow Available: 15 GPM

PRESSURE AVAILABLE
Static Pressure at POC: 60 PSI
Elevation Change: 5.00 ft
Service Line Size: 1"
Length of Service Line: 20 ft
Pressure Available: 57 PSI

DESIGN ANALYSIS
Maximum Station Flow: 15 GPM
Flow Available at POC: 15 GPM
Residual Flow Available: 0 GPM

Critical Station:
Design Pressure: 30 PSI
Friction Loss: 2.1 PSI
Fittings Loss: 0.21 PSI
Elevation Loss: 0 PSI
Loss through Valve: 2.24 PSI
Pressure Req. at Critical Station: 34.6 PSI
Loss for Fittings: 0 PSI
Loss for Main Line: 3.44 PSI
Loss for POC to Valve Elevation: 0 PSI
Loss for Backflow: 11.6 PSI
Loss for Water Meter: 7.23 PSI
Critical Station Pressure at POC: 56.8 PSI
Pressure Available: 57 PSI
Residual Pressure Available: 0.17 PSI

SLEEVING SCHEDULE	
PIPE SIZE	SLEEVING PIPE SIZE
3/4"	2"
1"	2"
1-1/4"	3"
1-1/2"	3"
2"	4"
3"	6"
4"	8"
6"	12"
8"	16"



PROPOSED 12 HOUSES
NW 10TH STREET
POMPANO BEACH, FL 33060

DISTRIBUTION:	DATE:
PERMIT COMMENTS	03-22-24
PERMIT COMMENTS	03-22-24

DRAWING NAME:
HOUSE MODEL C
AT NW. 10TH STREET
IRRIGATION PLAN
AND SCHEDULE

DRAWING NUMBER:

L-303

Digitally
Signed by
James B. Euell
Date: 2024.03.22
08:55:58
04'00'

FOLIAGE
EXPRESSIONS
8801 SW 192nd Terrace,
Cutler Bay, FL 33157

