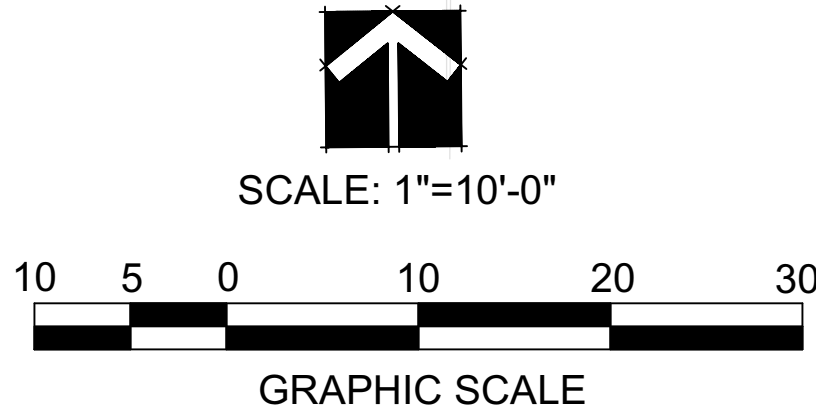
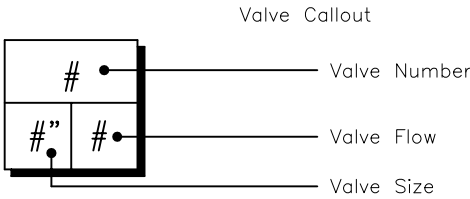


NOTE:
ALL OVERHEAD UTILITIES WILL BE BURIED FOR THIS PROJECT



IRRIGATION SCHEDULE			
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
	RAIN BIRD 1806-SAM ADJ TURF SPRAY 6.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE.	45	30
	RAIN BIRD 1806-SAM ADJ TURF SPRAY 6.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE.	17	30
	RAIN BIRD 1812-SAM-PRS 15 STRIP SERIES SHRUB SPRAY 12.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	20	30
	RAIN BIRD 1812-SAM-PRS ADJ SHRUB SPRAY 12.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	30	30
	RAIN BIRD 1812-SAM-PRS ADJ SHRUB SPRAY 12.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	15	30
	RAIN BIRD 1800-1300AF FLOOD ADJUSTABLE FLOW (1.0-2.3GPM), FULL CIRCLE BUBBLER, 1/2" FIPT INLET.	38	10
	RAIN BIRD 1806-SAM-PRS-5 SERIES STREAM STREAM BUBBLER 6.0" POPUP WITH CHECK VALVE AND PRESSURE REGULATOR.	5	30
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	
	RAIN BIRD PEB 1", 1-1/2", 2" PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	8	
	FEBCO 765 1" PRESSURE VACUUM BREAKER, BRASS WITH BALL VALVE SOV. INSTALL 12" (305MM) ABOVE HIGHEST DOWNSTREAM OUTLET AND THE HIGHEST POINT IN THE DOWNSTREAM PIPING.	1	
	RAIN BIRD ESPLXME2 12 STATION TRADITIONALLY-WIRED, COMMERCIAL CONTROLLER. INDOOR/OUTDOOR, PLASTIC WALL-MOUNT ENCLOSURE.	1	
	RAIN BIRD RSD-BEX RAIN SENSOR, WITH METAL LATCHING BRACKET, EXTENSION WIRE.	1	
	WATER METER 1"	1	
	IRRIGATION LATERAL LINE: CPVC SCHEDULE 40	1,721 L.F.	
	IRRIGATION MAINLINE: PVC SCHEDULE 40	456.2 L.F.	



CRITICAL ANALYSIS

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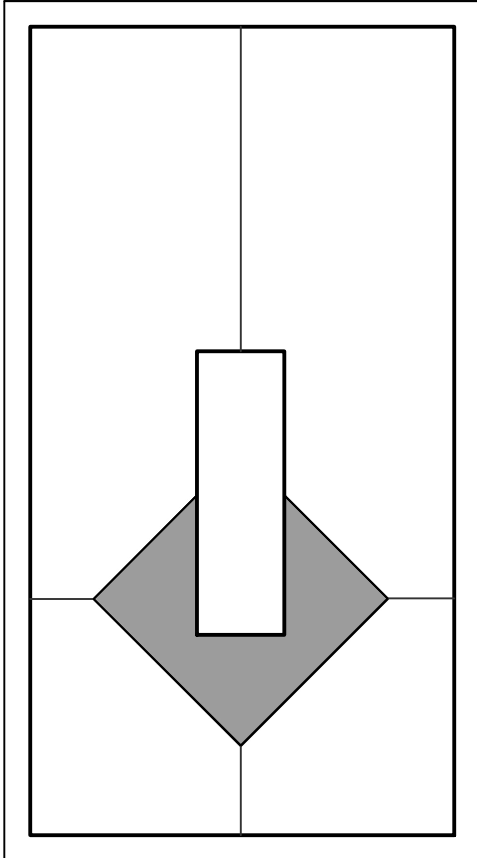
P.O.C. NUMBER: 01
Water Source Information:

FLOW AVAILABLE
Water Meter Size: 1"
Flow Available: 19.62 GPM

PRESSURE AVAILABLE
Static Pressure at POC: 60.00 PSI
Elevation Change: 5.00 ft
Service Line Size: 1"
Length of Service Line: 20 ft
Pressure Available: 56.00 psi

DESIGN ANALYSIS
Maximum Station Flow: 18.15 GPM
Flow Available at POC: 19.62 GPM
Residual Flow Available: 1.47 GPM

Critical Station:
Design Pressure: 3 PSI
Friction Loss: 2.41 PSI
Fittings Loss: 0.24 PSI
Elevation Loss: 0 PSI
Loss through Valve: 3.9 PSI
Pressure Req. at Critical Station: 36.54 PSI
Loss for Fittings: 0.02 PSI
Loss for Main Line: 0.24 PSI
Loss for POC to Valve Elevation: 0 PSI
Loss for Backflow: 4.02 PSI
Loss for Water Meter: 1.83 PSI
Critical Station Pressure at POC: 42.85 PSI
Pressure Available: 56 PSI
Residual Pressure Available: 13.35 PSI



Digitally
Signed by
James B. Euell
Date: 2022.08.11
07:48:06
0400'

PROJECT NAME & LOCATION:
12TH STREET 5-UNIT TOWNHOMES

3232 NE 12TH STREET
POMPANO BEACH, FLORIDA 33062

DISTRIBUTION:	DATE:
DRC COMM.	08-02-22

DRAWING NAME:

IRRIGATION PLAN

DRAWING NUMBER:

LI-1



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DRC

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10/5/2022