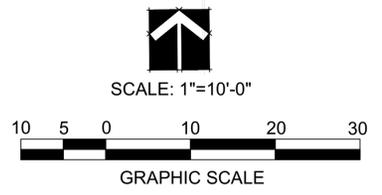
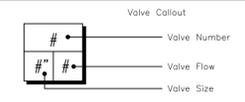


NOTE:  
ALL OVERHEAD UTILITIES WILL BE BURIED FOR THIS PROJECT



### IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
④ ⑥ ⑧ ⑩ ⑫ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲	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
⑤ ⑦ ⑨ ⑪ ⑬ ⑱ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿	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
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿	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
④ ⑥ ⑧ ⑩ ⑫ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿	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
⑤ ⑦ ⑨ ⑪ ⑬ ⑱ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿	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
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿	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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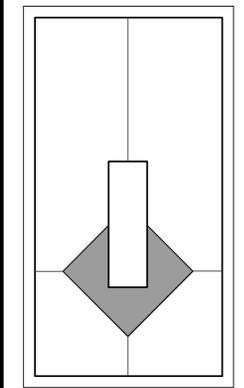
P.O.C. NUMBER: 01  
Water Source Information:

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: 3  
Design Pressure: 30 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**



**DRC**  
PZ22-1200015  
10/5/2022