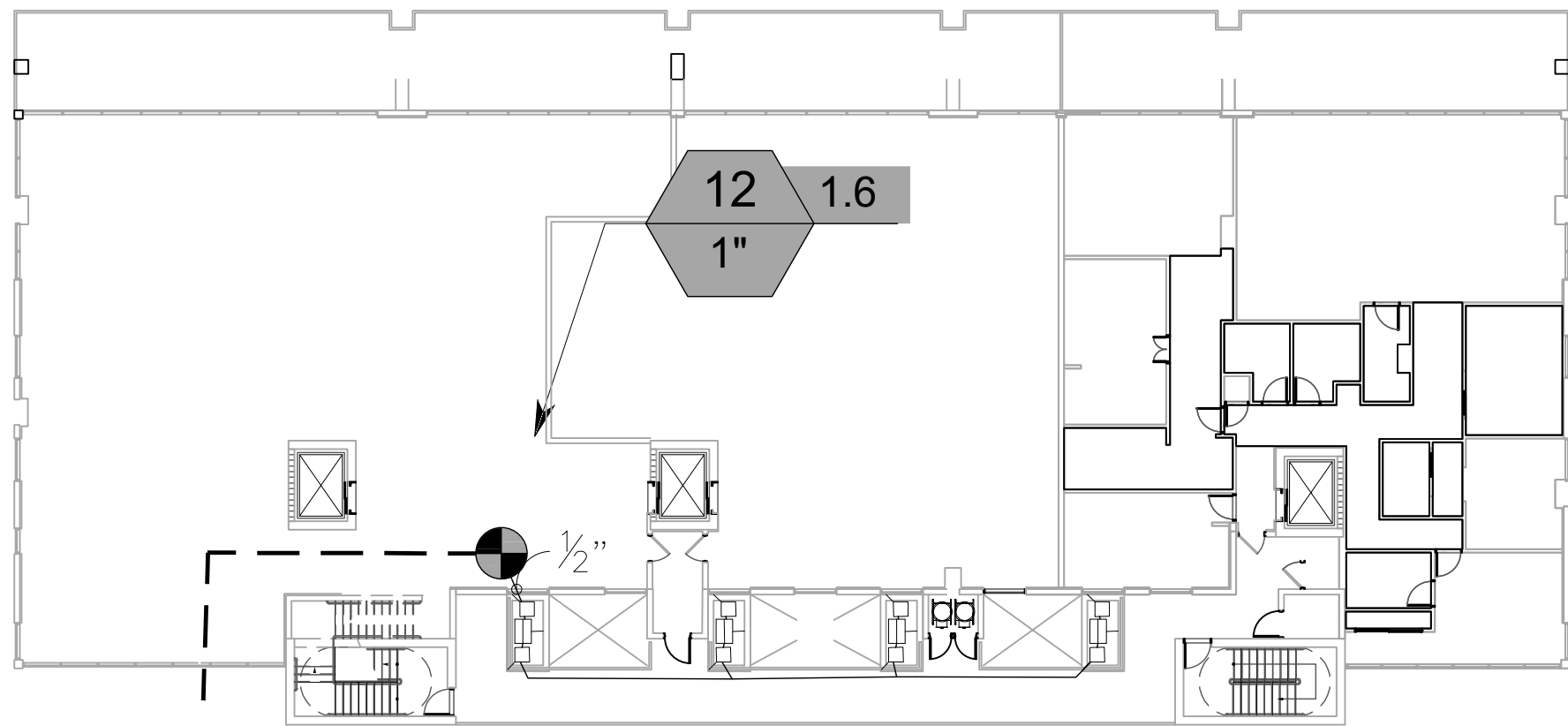


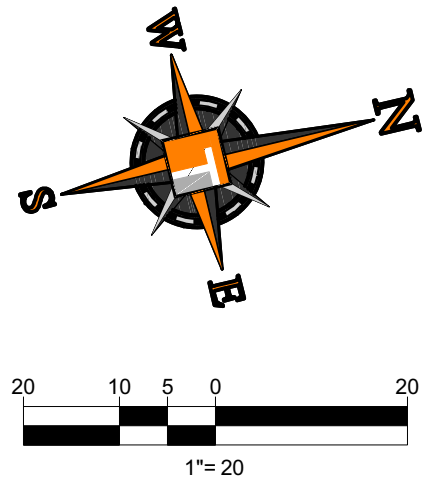
Printed on Tuesday, January 31, 2023, 11:26 AM by Michael Grosswirth  
P:\\2022-12-13 LANDSCAPE P220011\\DRAWING\\L-31 IRRIGATION PLAN ROOFING & SCHEDULES



### IRRIGATION SCHEDULE PENTHOUSES

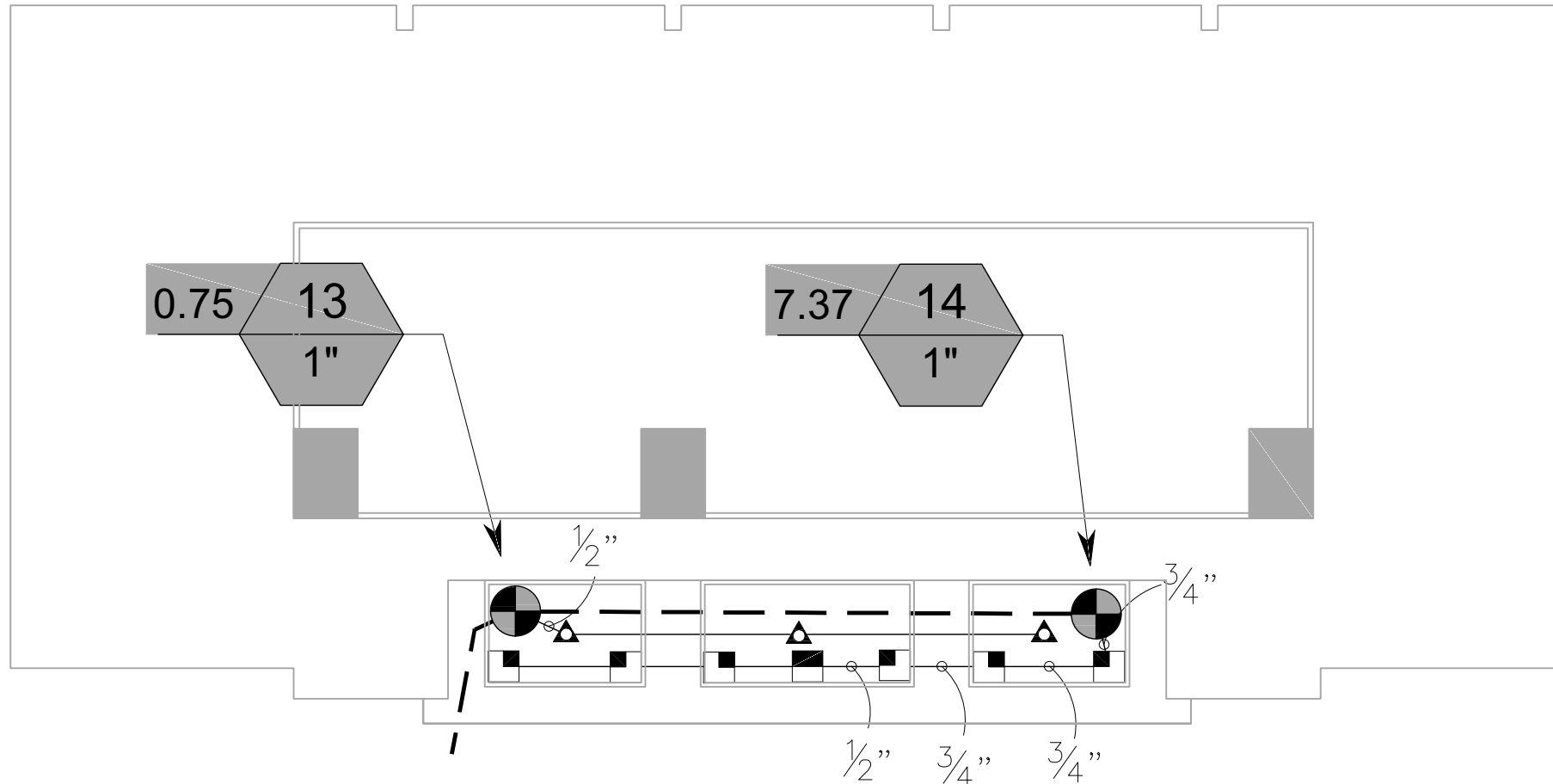
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
	Rain Bird 1806-PRS 5 Series MPR Turf Spray 6" pop up with pressure regulator.	12	30
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	
	Rain Bird PEB Electric Remote Control Valve	1	
	Irrigation Lateral Line: PVC Class 160 SDR 26	125.4 l.f.	
	Irrigation Mainline: PVC Class 200 SDR 21	52.0 l.f.	

Valve Callout:  
Valve Number  
Valve Flow  
Valve Size



### VALVE SCHEDULE

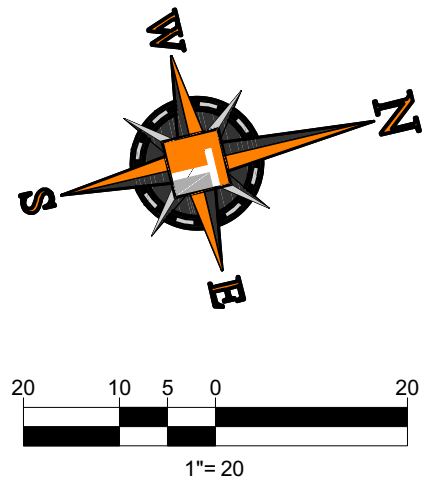
NUMBER	MODEL	SIZE	TYPE	GPM	HEADS	PIPE	WIRE	DESIGN PSI	FRICTION LOSS	PSI	PSI @ POC	PRECIP
12	Rain Bird PEB	1"	Turf Spray	1.6	12	125.4		30	0.21	31.6		0.84 in/h



### IRRIGATION SCHEDULE ROOF

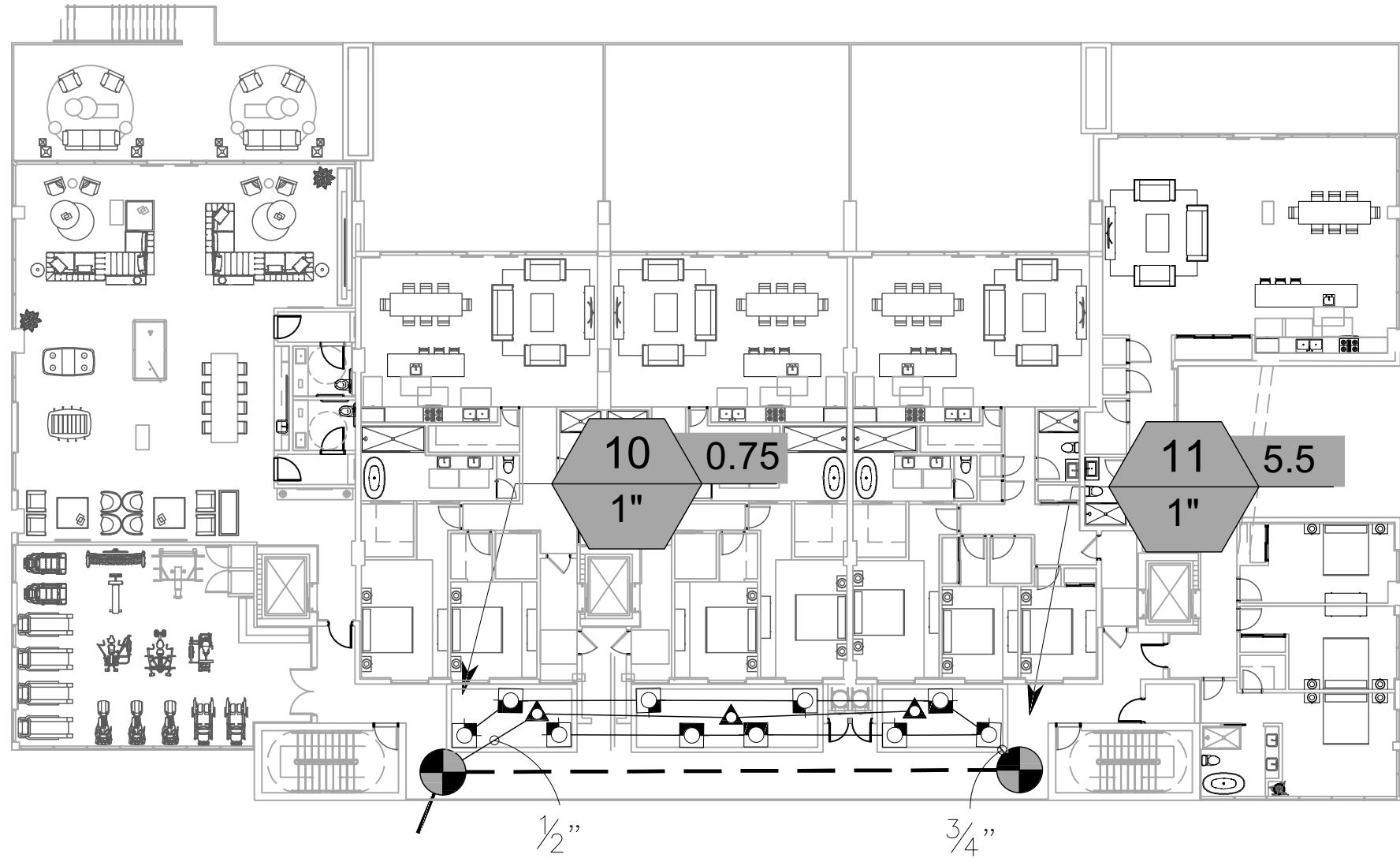
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
	Rain Bird 1806-PRS 15 Series MPR Turf Spray 6" pop up with pressure regulator.	7	30
	Rain Bird 1804-1400 Flood Flood Bubbler 4" pop up	3	40
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	
	Rain Bird PEB Electric Remote Control Valve	2	
	Irrigation Lateral Line: PVC Class 160 SDR 26	150.7 l.f.	
	Irrigation Mainline: PVC Class 200 SDR 21	91.1 l.f.	

Valve Callout:  
Valve Number  
Valve Flow  
Valve Size



### VALVE SCHEDULE

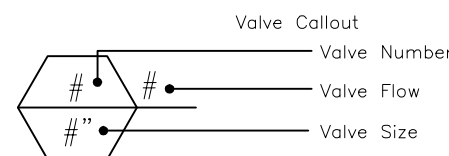
NUMBER	MODEL	SIZE	TYPE	GPM	HEADS	PIPE	WIRE	DESIGN PSI	FRICTION LOSS	PSI	PSI @ POC	PRECIP
13	Rain Bird PEB	1"	Bubbler	0.75	3	64.7		40	0.03	41.2		7.66 in/h
14	Rain Bird PEB	1"	Turf Spray	7.37	7	86.1		30	1.52	33.3		0.78 in/h



### IRRIGATION SCHEDULE LEVEL 2

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
	Rain Bird 1806-PRS 10 Series MPR Turf Spray 6" pop up with pressure regulator.	10	30
	Rain Bird 1804-1400 Flood Flood Bubbler 4" pop up	3	40
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	
	Rain Bird PEB Electric Remote Control Valve	2	
	Irrigation Lateral Line: PVC Class 160 SDR 26	204.0 l.f.	
	Irrigation Mainline: PVC Class 200 SDR 21	84.9 l.f.	

Valve Callout:  
Valve Number  
Valve Flow  
Valve Size

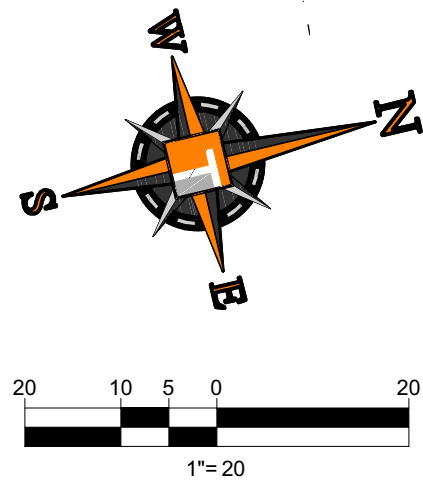


### VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	HEADS	PIPE	WIRE	DESIGN PSI	FRICTION LOSS	PSI	PSI @ POC	PRECIP
10	Rain Bird PEB	1"	Bubbler	0.75	3	64.6		40	0.04	41.2		7.66 in/h
11	Rain Bird PEB	1"	Turf Spray	5.5	10	139.4		30	0.54	32.3		0.85 in/h

### IRRIGATION NOTES

- ALL LOCAL MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER S REPRESENTATIVE.
- THE CONTRACTOR SHALL OBTAIN THE PERTINENT ENGINEERING OR ARCHITECTURAL PLANS BEFORE BEGINNING WORK.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK INDICATED HEREIN BEFORE BEGINNING WORK.
- THIS DESIGN IS DIAGRAMMATIC. ALL EQUIPMENT SHOWN IN PAVED AREAS IS FOR DESIGN CLARITY ONLY AND IS TO BE INSTALLED WITHIN PLANTING AREAS.
- THE CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY EQUIPMENT AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN CONDITIONS EXIST THAT WERE NOT EVIDENT AT THE TIME THESE PLANS WERE PREPARED. ANY SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER S REPRESENTATIVE PRIOR TO ANY WORK OR THE IRRIGATION CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY FIELD CHANGES DEEMED NECESSARY BY THE OWNER.
- INSTALL ALL EQUIPMENT AS SHOWN IN THE DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH LOCAL CITY, COUNTY AND STATE REQUIREMENTS FOR BOTH EQUIPMENT AND INSTALLATION.
- ACTUAL LOCATION FOR THE INSTALLATION OF THE BACKFLOW PREVENTER AND THE AUTOMATIC CONTROLLER IS TO BE DETERMINED IN THE FIELD BY THE OWNER S AUTHORIZED REPRESENTATIVE.
- CONTRACTOR IS TO PROVIDE AN ADDITIONAL PILOT WIRE FROM CONTROLLER ALONG ENTIRETY OF MAIN LINE TO THE LAST RCV ON EACH AND EVERY LEG OF MAIN LINE. LABEL SPARE WIRES AT BOTH ENDS.
- ALL PIPE UNDER PAVED AREAS TO BE INSTALLED IN SLEEVING TWICE THE DIAMETER OF THE PIPE CARRIED. SEE LEGEND FOR TYPE. ALL WIRE UNDER PAVED AREAS TO BE INSTALLED IN A SCH. 40 SLEEVE THE SIZE REQUIRED TO EASILY PULL WIRE THROUGH. ALL SLEEVES TO BE INSTALLED WITH A MINIMUM DEPTH AS SHOWN ON THE SLEEVING DETAILS. SLEEVES TO EXTEND AT LEAST 12" PAST THE EDGE OF THE PAVING.
- ALL QUICK COUPLER AND REMOTE CONTROL VALVES TO BE INSTALLED IN SHRUB OR GROUND COVER AREAS WHERE POSSIBLE. ALL QUICK COUPLER AND REMOTE CONTROL VALVES TO BE INSTALLED AS SHOWN ON THE INSTALLATION DETAILS. INSTALL ALL QUICK COUPLER AND REMOTE CONTROL VALVES WITHIN 18" OF HARDSCAPE.
- ALL HEADS ARE TO BE INSTALLED WITH THE NOZZLE, SCREEN AND ARCS SHOWN ON THE PLANS. ALL HEADS ARE TO BE ADJUSTED TO PREVENT OVERSPRAY ONTO BUILDINGS, WALLS, FENCES AND HARDSCAPE. THIS INCLUDES, BUT NOT LIMITED TO, ADJUSTMENT OF DIFFUSER PIN OR ADJUSTMENT SCREW, REPLACEMENT OF PRESSURE COMPENSATING SCREENS, REPLACEMENT OF NOZZLES WITH MORE APPROPRIATE RADIUS UNITS AND THE REPLACEMENT OF NOZZLES WITH ADJUSTABLE ARC UNITS.
- THE CONTRACTOR SHALL USE PROPER GROUNDING TECHNIQUES FOR GROUNDING THE CONTROLLER AND RELATED EQUIPMENT PER MANUFACTURERS SPECIFICATIONS. THOMAS ENGINEERING GROUP RECOMMENDS MEASURING FOR PROPER GROUND AT LEAST ONCE ANNUALLY, AND NECESSARY ADJUSTMENTS MADE TO COMPLY WITH MANUFACTURER SPECIFICATIONS.
- CONTRACTOR TO RECERTIFY EXISTING PUMP AND PVB IF APPLICABLE.



NOTE A:  
POINTS OF CONNECTION SHALL BE FROM AN EXISTING 1 1/2" WATER METER (TO BE VERIFIED) AT 60 PSI. VERIFY THE ACTUAL LOCATION, SIZE AND WATER PRESSURE IN THE FIELD PRIOR TO STARTING WORK. IF ANY OF THE POC INFORMATION SHOWN ON THESE DRAWING IS FOUND TO BE DIFFERENT THAN THE ACTUAL POC INFORMATION GATHERED IN THE FIELD, IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT AND IRRIGATION CONSULTANT. SHOULD THE CONTRACTOR FAIL TO VERIFY THE POC INFORMATION ANY CHANGES REQUIRED BY LOW PRESSURE OR VOLUME SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

MINIMUM PRESSURE REQUIRED 31.6 PSI @ POC  
DESIGN WATER PRESSURE 60 PSI  
MAXIMUM SYSTEM DEMAND 27.04 GPM

NOTE B:  
CONTROLLER IS AS SPECIFIED. CONTRACTOR TO VERIFY CONDITION AND FINAL LOCATION OF CONTROLLER AND ELECTRICAL POC SHALL BE CONFIRMED WITH OWNER S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

NOTE C:  
MAINLINE AND RELATED EQUIPMENT SHOWN WITHIN PAVING FOR CLARITY ONLY. ACTUAL MAINLINE AND RELATED EQUIPMENT LOCATION TO BE WITHIN PLANTERS AND A MINIMUM OF 18" OFF ADJACENT HARDSCAPE AND OTHER OBSTACLES TYP.

NOTE D:  
CONTRACTOR SHALL ADJUST ALL HEADS AS REQUIRED TO ACCOMMODATE ANY VERTICAL OBSTRUCTIONS THAT MAY OCCUR, INCLUDING BUT NOT LIMITED TO LIGHT POLES, FIRE HYDRANTS, ETC. VERIFY ALL HEAD LAYOUT WITH OWNER S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

NOTE E:  
BUBBLERS AND LATERAL LINES ARE SHOWN WITHIN PAVING FOR CLARITY ONLY. ACTUAL LOCATION TO BE WITHIN PLANTER. BUBBLERS SHALL BE ALIGNED WITH TREES AND AS DIRECTED BY OWNER S AUTHORIZED REPRESENTATIVE. CONFIRM ALL LAYOUT IN FIELD WITH OWNER S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

Michael D Grosswirth  
Digitally signed by Michael D Grosswirth  
DN: c=US, o=THOMAS ENGINEERING GROUP LLC, ou=A01410C0000017, 20E31831F0000EFAC, cn=Michael D Grosswirth  
Date: 2023.01.31 12:30:59 -05'00'



REV.	DATE	COMMENT	BY
1	01/26/2023	DRC COMMENTS	MDG

Sunshine 811  
Call 811 or visit sunshine811.com two full business days before digging to have buried facilities located and marked.  
Check positive response codes before you dig!

PROJECT No.:	F220017
DRAWN BY:	LD
CHECKED BY:	MDG
DATE:	03/09/2022
CAD I.D.:	F220017 IRRIGATION

PROJECT:  
**ENTOURAGE IN THE SUN**  
**407 RIVERSIDE DRIVE**  
FOR  
**IDEA ARCHITECT**  
POMPAHO BEACH FLORIDA



SHEET TITLE:  
**UPPER FLOOR IRRIGATION PLANS & NOTES**  
SHEET NUMBER:  
**L-31**

AAC  
PZ22-12000011  
03/07/2023

AAC  
PZ22-12000011  
07/02/2024