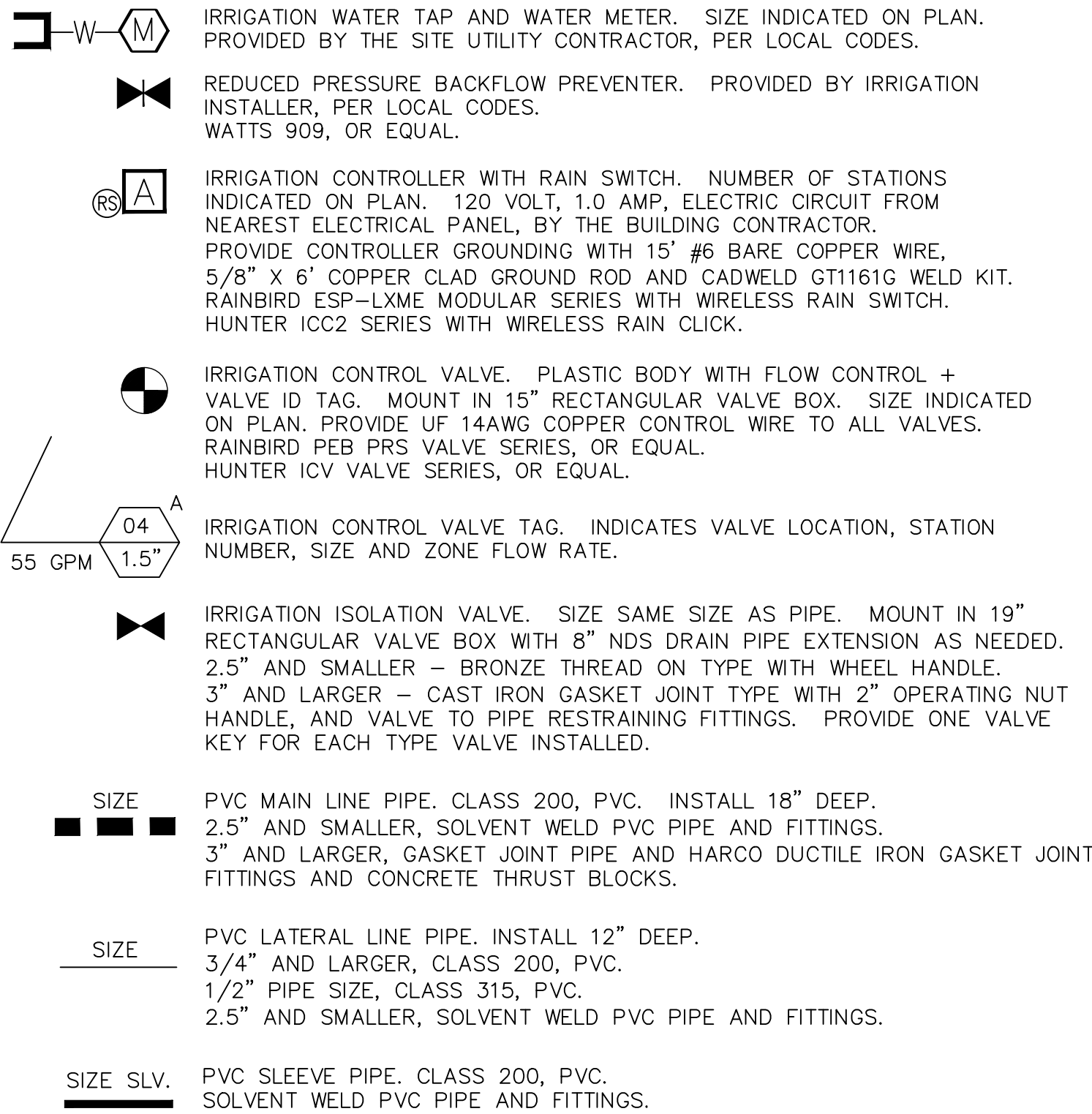


IRRIGATION NOTES

- 1.) SOME PIPE LINES ARE DRAWN OFF SET FOR CLARITY. INSTALL ALL IRRIGATION LINES IN LANDSCAPED AREAS.
- 2.) REFER TO THE LANDSCAPE PLANS WHEN TRENCHING TO AVOID TREE ROOT BALLS TO INSTALL HEADS AT APPROPRIATE LOCATIONS.
- 3.) ADJUST ALL NOZZLES TO REDUCE OVERTHROW ON PAVING & WALLS. THROTTLE ALL IRRIGATION CONTROL VALVES AS REQUIRED TO PREVENT FOGGING. SET CONTROLLER RUN TIMES TO MATCH PLANT WATER NEEDS AND SOIL CONDITIONS.
- 4.) INSTALL RISERS 18" FROM WALLS OR BUILDINGS, AND 24" FROM PAVED SURFACES. PAINT ALL RISERS AND SUPPORTS FLAT BLACK.
- 5.) INSTALL POP-UP HEADS 18" FROM WALLS, 6" FROM WALKS, DECKS AND CURBS, 6 FEET FROM CURBLESS ROADS, AND 30" FROM THE END OF PARKING SPACES.
- 6.) SET TOP OF POP-UP HEAD CAPS 1" ABOVE FINISHED GRADE PRIOR TO SOD OR MULCH INSTALLATION.
- 7.) REFER TO UTILITY PLANS PRIOR TO TRENCHING. THE IRRIGATION INSTALLER SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE TO UTILITIES CAUSED BY THEIR WORK DURING THE PROJECT.
- 8.) ALL WORK SHALL BE GUARANTEED FOR ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE AGAINST ALL DEFECTS IN EQUIPMENT AND WORKMANSHIP.
- 9.) ELECTRIC POWER SUPPLY FOR THE IRRIGATION CONTROLLER SHALL BE BROUGHT TO A JUNCTION BOX AT THE CONTROLLER LOCATION BY THE BUILDING ELECTRICAL CONTRACTOR. IRRIGATION INSTALLER TO PROVIDE ELECTRICAL PERMITS AND LICENSED ELECTRICIAN TO CONNECT THE IRRIGATION CONTROLLER EQUIPMENT TO THE POWER SUPPLY.
- 10.) IRRIGATION WATER CONNECTIONS AND SYSTEM CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF LOCAL CODES FOR IRRIGATION INSTALLATION AND CONNECTIONS TO THE WATER SUPPLY.
- 11.) IRRIGATION INSTALLER TO ACQUIRE ALL PERMITS AND UTILIZE ALL SAFETY PRECAUTIONS REQUIRED TO WORK IN ROW OF ROADWAY.
- 12.) SIXTY (60) PSI MINIMUM STATIC WATER PRESSURE IS REQUIRED FOR THE EFFICIENT OPERATION OF THE IRRIGATION SYSTEM AS DESIGNED. VERIFY THE MINIMUM STATIC WATER PRESSURE IS AVAILABLE AT THE PROJECT SITE PRIOR TO BEGINNING THE IRRIGATION INSTALLATION. NOTIFY THE LANDSCAPE ARCHITECT IN WRITING IF THE MINIMUM STATIC WATER PRESSURE OR WATER VOLUME IS NOT AVAILABLE.
- 13.) AT THE END OF PARKING SPACES PLACE HEADS IN LINE WITH PARKING STRIPES OR 2.5 FEET FROM BACK OF CURB. (TYPICAL)
- 14.) PRIOR TO STARTING THE WORKS INSPECT THE SITE AND LOCATE ALL EXISTING IRRIGATION PIPES, WIRES AND EQUIPMENT. PROVIDE LABOR AND MATERIALS TO REPAIR ANY DAMAGED EXISTING IRRIGATION. PROVIDE "LIFELINE" PIPES AND WIRES TO KEEP ADJACENT IRRIGATION ZONES OPERATIONAL THROUGHOUT THE WORKS.
- 15.) THE IRRIGATION MAINLINE IS DRAWN OFFSET FOR GRAPHIC CLARITY. DO NOT SCALE THE MAINLINE FROM THE DRAWING FOR INSTALLATION. LAYOUT THE IRRIGATION MAINLINE ROUTE IN THE FIELD TO AVOID PROPOSED AND EXISTING TREE ROOT ZONES AND UTILITIES.

IRRIGATION LEGEND



SPRAY BODIES

RAINBIRD 1800 SERIES SPRAY BODIES & ADAPTERS
POLY PIPE AND INSERT FITTING SWING JOINTS
PROVIDE MPR SPRAY NOZZLES PER PLAN
USE U-SERIES NOZZLES FOR "B", "D", "E", "H", "K", "L" & "P" NOZZLE DESIGNATION
USE VAN SERIES NOZZLES FOR "Z", "Z2" & "Z1" NOZZLE DESIGNATION

LETTER	GPM AT 30 PSI	RADIUS	PATTERN
A	0.92	15'	QUARTER
B	1.30	15'	ONE THIRD
C	1.85	15'	HALF
D	2.48	15'	TWO THIRD
E	2.92	15'	THREE QTR.
F	3.70	15'	FULL
G	0.65	12'	QUARTER
H	0.90	12'	ONE THIRD
J	1.30	12'	HALF
K	1.75	12'	TWO THIRD
L	2.00	12'	THREE QTR.
M	2.60	12'	FULL
N	0.39	10'	QUARTER
P	0.57	10'	ONE THIRD
R	0.79	10'	HALF
Q	1.58	10'	FULL
U	0.61	4' X 15'	END STRIP
UI	0.5	4' X 15'	LEFT CORNER STRIP
Ur	0.5	4' X 15'	RIGHT CORNER STRIP
V	1.21	4' X 30'	SIDE STRIP
W	1.2	4' X 30'	CENTER STRIP
X	1.7	9' X 18'	SIDE STRIP
Z1	VARIES	10'	10' ADJUSTABLE ARC
Z2	VARIES	12'	12' ADJUSTABLE ARC
Z	VARIES	15'	15' ADJUSTABLE ARC
Y	0.5	1'	FLOOD BUBBLER
O	1.0	5'	STREAM BUBBLER
1	0.26	8'	QUARTER
2	0.32	8'	ONE THIRD
3	0.52	8'	HALF
4	1.05	8'	FULL
5	.1	5'	QUARTER
6	.2	5'	ONE THIRD
7	.2	5'	HALF
8	.38	5'	FULL

ROTOR HEADS

HUNTER PGP SERIES ROTOR HEADS (6" POP-UP)
POLY PIPE AND INSERT FITTING SWING JOINTS
PROVIDE STANDARD AND LOW ANGLE NOZZLES PER PLAN
6" POP-UP BODY IN TURF

AT 25' SPACING - USE GRAY LOW ANGLE NOZZLES

▽	25'	90 DEGREE	#5 LA NOZZLE (1.9 GPM)
▽	25'	180 DEGREE	#5 LA NOZZLE (1.9 GPM)
□	25'	360 DEGREE	#7 LA NOZZLE (3.1 GPM)

AT 35' SPACING - USE RED STANDARD NOZZLES

▽	35'	90 DEGREE	#5 NOZZLE (1.8 GPM)
▽	35'	180 DEGREE	#7 NOZZLE (3.0 GPM)
□	35'	360 DEGREE	#10 NOZZLE (6.0 GPM)

