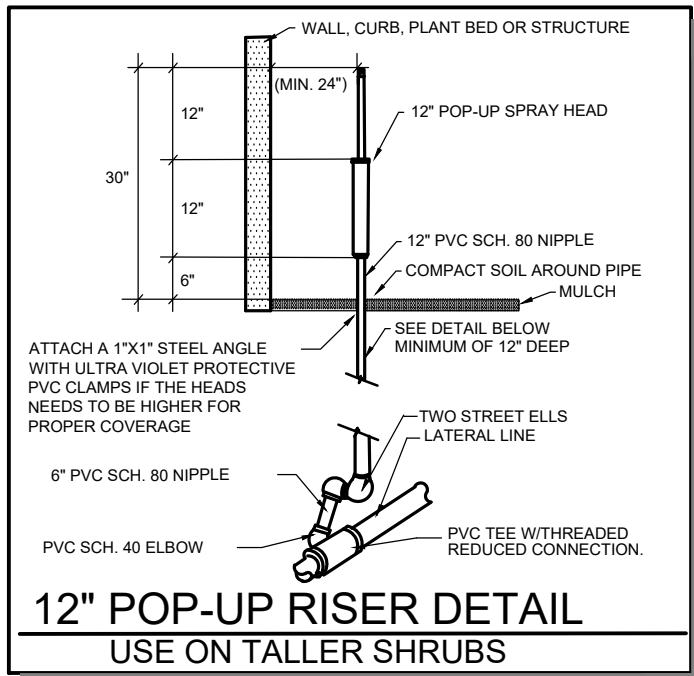
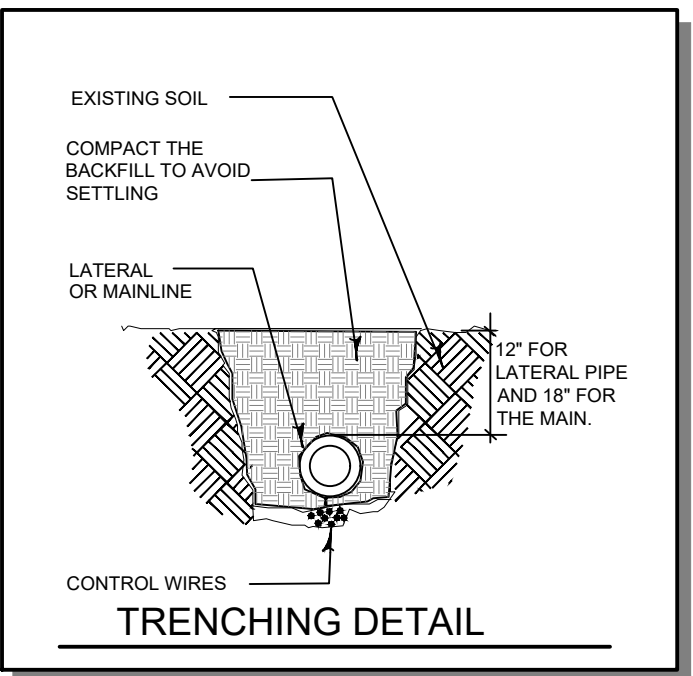
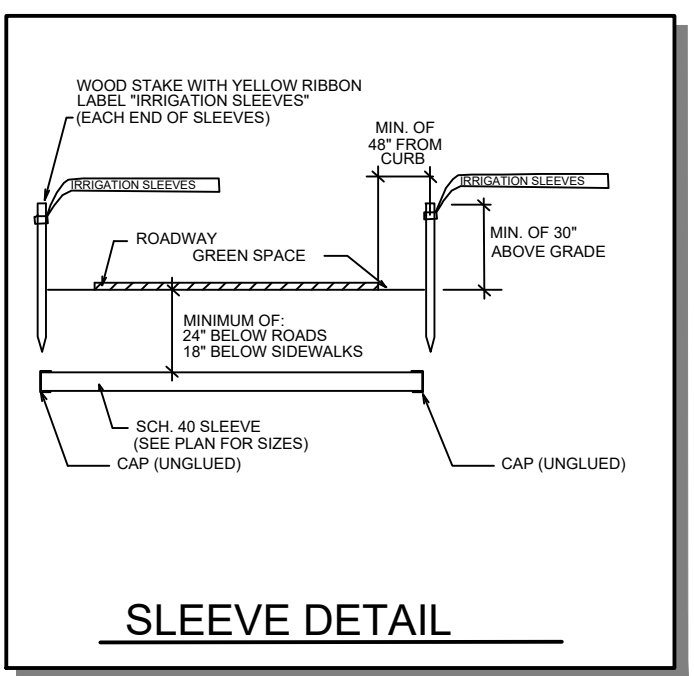
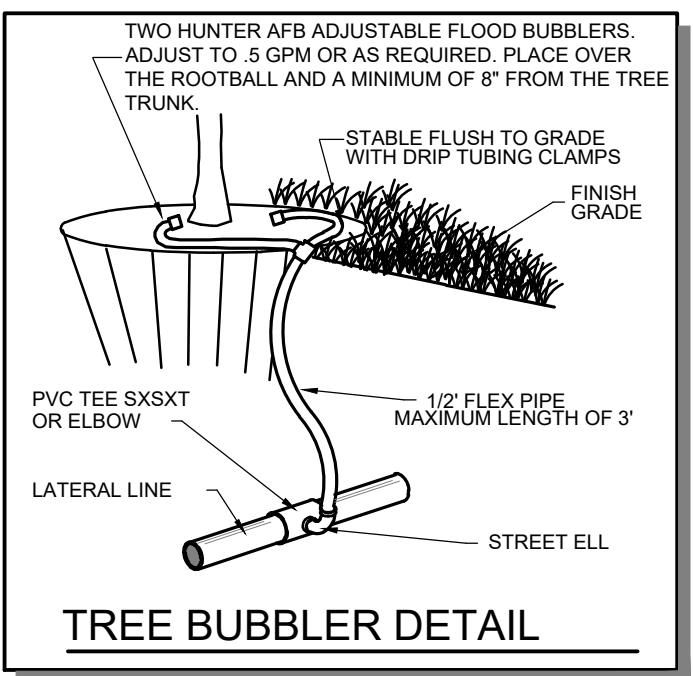
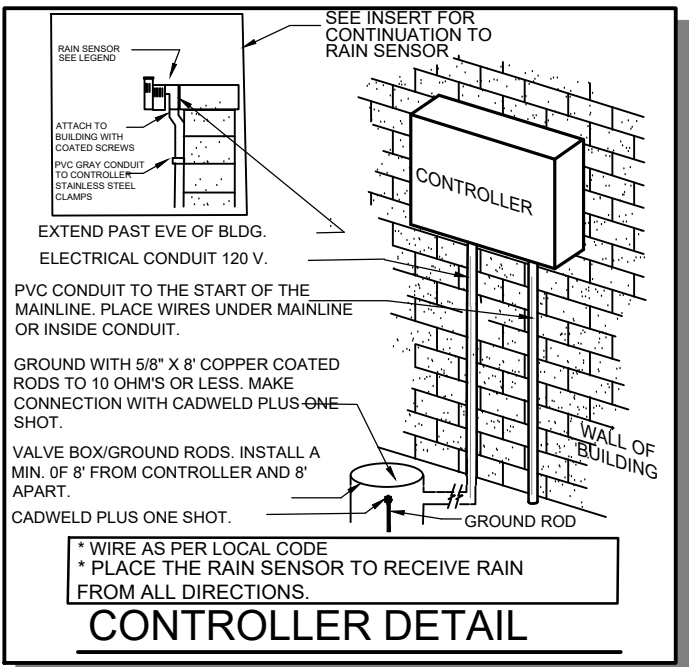
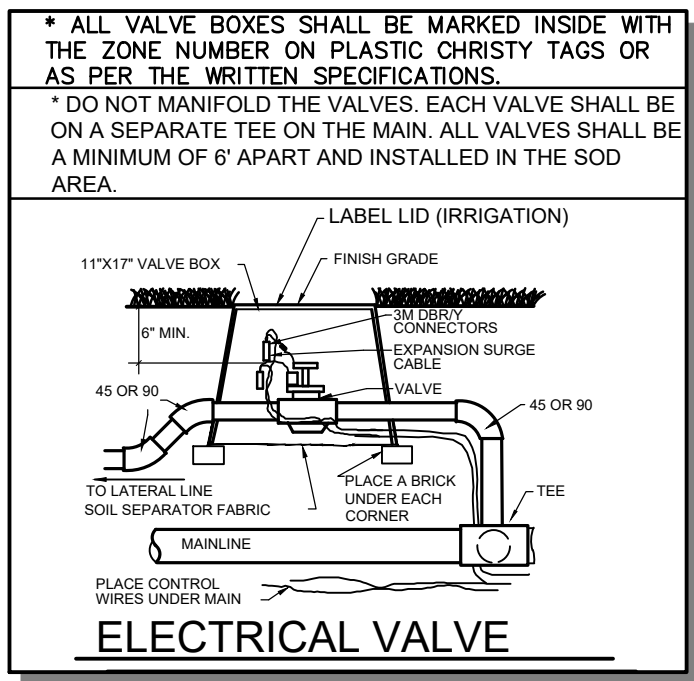
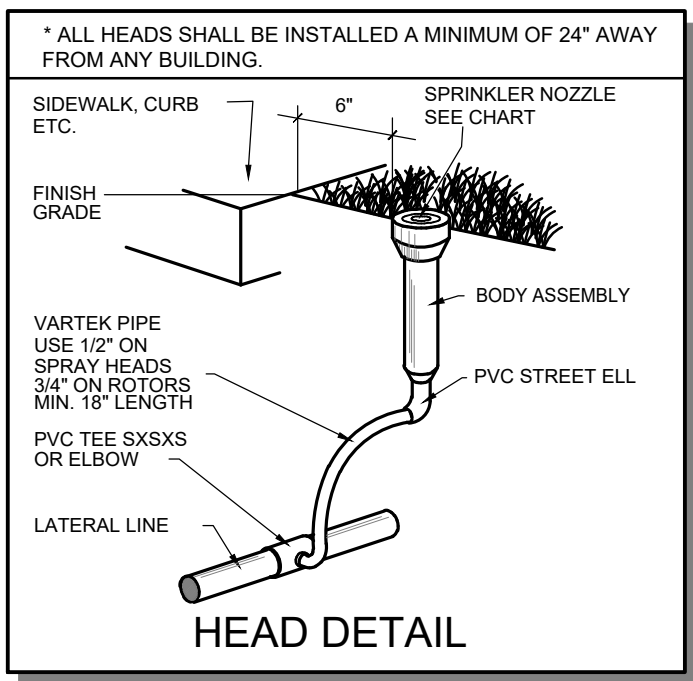




GENERAL NOTES

- 1) REFER TO THE LANDSCAPE PLANS WHEN TRENCHING TO AVOID TREES AND SHRUBS. HAND DIG AROUND ANY EXISTING TREES. DO NOT CUT ANY ROOTS OVER 2" IN DIAMETER.
- 2) ALL MAINLINE PIPING SHALL BE BURIED TO A MINIMUM DEPTH OF 18" OF COVER. ALL LATERAL PIPING SHALL BE BURIED TO A MINIMUM DEPTH OF 12" OF COVER.
- 3) ALL POP-UP ROTORS AND SPRAYS SHALL BE INSTALLED USING AN 18" PVC FLEX PIPE CONNECTION. DO NOT USE POLYETHYLENE PIPE. USE WELDON 737 WITH A PURPLE PRIMER OR RED HOT CHRISTY'S BLUE GLUE ON ALL CONNECTIONS.
- 4) ADJUST ALL NOZZLES TO REDUCE WATER WASTE ON HARD SURFACES. WINDOWS AND BLDG. WALLS. THROTTLE ALL VALVES ON SHRUB LINES AS REQUIRED TO PREVENT FOGGING. USE ADJUSTABLE NOZZLES WHERE REQUIRED TO AVOID ANY WATER ON BUILDING WINDOWS.
- 5) ALL RISERS SHALL BE PAINTED BLACK OR A COLOR CHOSEN BY THE OWNER'S REPRESENTATIVE AND SHALL BE STAKED WITH A STEEL ANGLE AND SECURED WITH STAINLESS STEEL CLAMPS. LEAVE THE BOTTOM 12" OF THE PIPE PURPLE ON RECLAIMED SYSTEMS.
- 6) ALL CONTROL WIRE CONNECTIONS SHALL BE MADE IN VALVE BOXES USING 3M DBR-V WIRE CONNECTORS AND SEALANT WITH WIRE NUTS.
- 7) THE CONTRACTOR SHALL PREPARE AN AS-BUILT DRAWING SHOWING ALL IRRIGATION INSTALLATION. THE CONTRACTOR SHALL NEATLY MARK IN RED INK ON A WHITE BOND PAPER COPY OF THE IRRIGATION PLAN ANY INSTALLATION THAT DEVIATES FROM THE PLAN. THE AS-BUILT DRAWING SHALL ALSO LOCATE ALL MAINLINE AND VALVES BY SHOWING EXACT MEASUREMENTS FROM HARD SURFACES. MEASUREMENTS SHALL BE MARKED ON THE PLAN EVEN WHEN THE EQUIPMENT IS INSTALLED IN THE EXACT LOCATION AS THE PLAN. PROVIDE THE OWNER A PDF OF THE AS-BUILT PLAN.
- 8) ALL VALVES, GATE VALVES AND QUICK COUPLERS SHALL BE INSTALLED IN VALVE BOXES. THE VALVE BOXES SHALL BE PURPLE WHEN USING RECLAIMED WATER.
- 9) ANY PIPING SHOWN OUTSIDE THE PROPERTY LINE OR RUNNING OUTSIDE A LANDSCAPE AREA IS SHOWN THERE FOR CLARITY ONLY. ALL LINES SHALL BE INSTALLED ON THE PROPERTY AND INSIDE THE LANDSCAPE AREAS OR INSIDE A SCH. 40 SLEEVE.
- 10) ALL HEADS SHALL BE INSTALLED A MINIMUM OF 24" FROM ANY WALL AND A MINIMUM OF 6" FROM ANY SIDEWALK, PATIO OR ROAD. (MINIMUM OF 2' 0" WHERE THERE ARE NO BUMPER STOPS) THE EXACT HEIGHT OF ANY 12" POP-UP THAT IS SHOWN IN A SHRUB BED SHALL BE DETERMINED BY THE OWNER'S REPRESENTATIVE IN THE FIELD. INSTALL THE 12" POP-UP HIGHER WHERE BLOCKED BY TALL SHRUBS.
- 11) THE CONTRACTOR SHALL EXERCISE CARE SO AS NOT TO DAMAGE ANY EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REPAIRS AND COST OF ANY DAMAGE CAUSED BY THEIR WORK.
- 12) ALL WORK SHALL BE GUARANTEED FOR ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE AGAINST ALL DEFECTS IN EQUIPMENT AND WORKMANSHIP OR AS OUTLINED IN THE WRITTEN SPECIFICATIONS.
- 13) ELECTRICAL SERVICE TO LOCATION OF THE CONTROLLER, WELL OR PUMP SHALL BE PROVIDED TO A JUNCTION BOX OR DISCONNECT AT THE EQUIPMENT LOCATION BY THE ELECTRICAL CONTRACTOR OR BY OWNER WHEN IT IS NOT PART OF THE BID PACKAGE. CONFIRM THE LOCATION OF THE CONTROLLER WITH THE OWNER OR GENERAL CONTRACTOR BEFORE ANY INSTALLATION.
- 14) IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SCALE THE PLAN AND CHECK NOZZLE TYPES TO DETERMINE THE CORRECT SPACING OF THE HEADS. THE CONTRACTOR SHALL NOT SPACE THE HEADS FURTHER APART OR USE LESS HEADS THAN SHOWN ON THE PLAN. ANY CHANGES TO THE HEAD SPACING OR LAYOUT, WITHOUT THE CONSENT OF THE LANDSCAPE ARCHITECT OR OWNER, SHALL HOLD THE IRRIGATION CONTRACTOR RESPONSIBLE FOR WARRANTY OF THE PLANTS AND OR SOD IN THESE AREAS.
- 15) 48 HOURS BEFORE DIGGING, CALL 1-800-432-4770 (SUNSHINE STATE ONE CALL CENTER).
- 16) INSTALL THREE EXTRA CONTROL WIRES TO EACH TERMINATION OF THE MAIN. ALL CONTROL WIRES SHALL BE INSTALLED INSIDE OF SCH. 40 GRAY PVC CONDUIT WHERE THEY CANNOT BE UNDER THE MAIN.

RECLAIMED WATER REQUIREMENTS

- 1) ALL PIPE SHALL BE THE PURPLE RECLAIMED WATER TYPE.
- 2) ALL SPRINKLER HEADS SHALL HAVE PURPLE INDICATORS.
- 3) ALL MANUAL AND ELECTRIC VALVES SHALL HAVE TAGS TO INDICATE RECLAIMED WATER.
- 4) ALL VALVE BOXES SHALL BE PURPLE WITH PURPLE LIDS TO INDICATE THE PRESENCE OF RECLAIMED WATER.
- 5) ALL EQUIPMENT SHALL BE INSTALLED AS PER ALL LOCAL, COUNTY, STATE, AND FEDERAL CODES. PROVIDE AND INSTALL ALL REQUIRED RECLAIMED WATER SIGNS. COORDINATE PLACEMENT AND TYPE WITH THE RECLAIMED WATER PROVIDER.
- 6) ALL CROSSINGS OF IRRIGATION PIPING AND POTABLE WATER LINES SHALL HAVE THE VERTICAL CLEARANCE VISUALLY VERIFIED AND THIS VERIFICATION MUST BE SHOWN ON THE AS-BUILT DRAWINGS BY DOCUMENTING THE VERTICAL MEASUREMENT SEPARATING THE PIPES.
- 7) THE VERTICAL SEPARATION BETWEEN THE POTABLE AND RECLAIMED WATER LINES SHALL BE A MINIMUM OF 18". THIS SEPARATION SHALL BE VERIFIED AND DOCUMENTED IN A SET OF AS-BUILT DRAWINGS AS PER SPECIFICATIONS. THE HORIZONTAL SEPARATION SHALL BE 5' CENTER TO CENTER AND 3' OUTSIDE TO OUTSIDE IF VERTICAL MINIMUM OF 18" IS NOT MET. REFER TO THE SPECIFIC CODE IF THESE SEPARATIONS CAN NOT BE MET.

ZONE CHART

ZONE	PLANT	IRRIGATION	WATER	PRECIP.	APPLIC.	GPM	MINUTES	TOTAL
(TYPE)	(TYPE)	(DEMAND)	(RATE)	(IN. PER WEEK REQ.)	(GPM)	(PER CYCLE)	(GALLONS)	
1	PLANT	SPRAY	MEDIUM	0.5	1.0	23	60	1,380
2	PLANT	SPRAY	MEDIUM	0.5	1.0	12	60	720
3	SOD	ROTOR	HIGH	0.5	1.5	15	90	1,350
4	TREE	BUBBLER	MEDIUM	1.5	1.0	3	20	60
5	SOD	SPRAY	HIGH	0.5	1.5	11	90	990
6	SOD	ROTOR	HIGH	0.5	1.5	18	90	1,620
7	PLANT	SPRAY	MEDIUM	0.5	1.0	16	60	960
8	PLANT	SPRAY	MEDIUM	0.5	1.0	24	60	1,440
9	PLANT	SPRAY	MEDIUM	0.5	1.0	21	60	1,260
10	PLANT	SPRAY	MEDIUM	0.5	1.0	24	60	1,440
11	PLANT	SPRAY	MEDIUM	0.5	1.0	6	60	360
12	PLANT	SPRAY	MEDIUM	0.5	1.0	25	60	1,500
13	PLANT	SPRAY	MEDIUM	0.5	1.0	16	60	960
14	PLANT	SPRAY	MEDIUM	0.5	1.0	6	60	360
TOTAL GPM PER RUN CYCLE						220	890	14,400
TOTAL GPM PER WEEK (PEAK WEEKLY DEMAND)								28,800

THE RUN TIMES SHOWN FOR THE ZONE IS FOR ONE RUN CYCLE AND WILL PROVIDE HALF THE REQUIRED AMOUNT OF WATER NEEDED PER WEEK. TWO RUN CYCLES PER WEEK ARE REQUIRED TO PROVIDE THE TOTAL WEEKLY REQUIREMENT. ALL RUN TIMES SHALL BE SET TO FOLLOW THE CURRENT WATER MANAGEMENT DISTRICT REGULATIONS AND REDUCED TO ONLY ONE RUN TIME PER WEEK WHEN RESTRICTED BY DAYLIGHT SAVINGS TIME OR WATER RESTRICTIONS. THE ZONE CHART IS PROVIDED AS A GENERAL OUTLINE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE TO SET THE RUN TIMES BASED ON THE SPECIFIC SITE CONDITIONS AND PLANT REQUIREMENTS. THIS SHALL INCLUDE, BUT NOT LIMITED TO, SOIL TYPE, DRAINAGE, SLOPES, SUN EXPOSURE AND THE ESTABLISHMENT PERIOD. THE TOTAL GPM REQUIRED PER YEAR WILL BE LESS THAN THE PEAK DEMAND PER WEEK TIMES 52 WEEKS, BASED ON THE RUN TIMES BEING REDUCED BY SENSORS AND A REDUCED WATER DEMAND IN THE WINTER MONTHS.

LEGEND

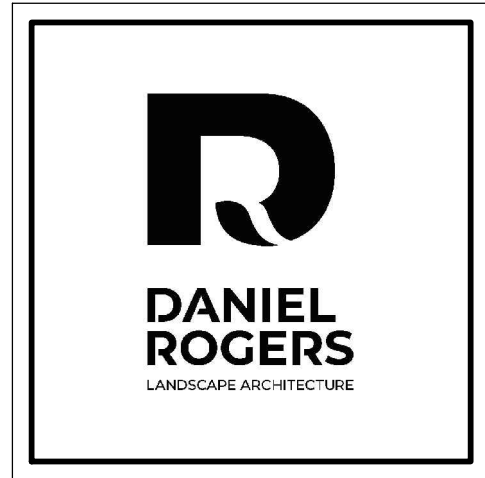
REFER TO THE RECLAIMED WATER NOTES
USE HUNTER MP ROTATOR NOZZLES

●	HUNTER PRS40 SPRAY SERIES 6" POP-UP
■	HUNTER PRS40 SPRAY SERIES 12" POP-UP
▲	TWO HUNTER AFB ADJUSTABLE FLOOD BUBBLERS PER TREE.
▲	HUNTER PGP ULTRA ROTOR HEAD - 3 GPM
---	CLASS 200 PURPLE PVC MAINLINE-1 1/2"
---	CLASS 200 PVC PURPLE LATERAL LINE- SIZE AS SHOWN UNTIL A SMALLER SIZE IS SHOWN. MINIMUM SIZE OF 3/4" (EXCEPT RISERS AND FLEX PIPE)
---	SCH. 40 SLEEVE (MINIMUM OF 24" DEPTH AND 2 SIZES LARGER THAN THE PIPE SIZE OR AS LABELED ON THE PLAN)
●	HUNTER ICV ELECTRIC VALVE. SIZE AS SHOWN BELOW. INSTALL VALVE IN A 11"x17" PURPLE VALVE BOX AND COVER 0-25 GPM=1" 26-50 GPM=1 1/2" 51 AND HIGHER GPM=2"
○	CONTROLLER- HUNTER ICC2. WHERE SHOWN ON THE PLAN. INSTALL WITH A HUNTER WIRELESS MINI-CLIK RAIN SENSOR. GROUND WITH A MINIMUM 8' COPPER CLAD ROD. SLEEVE TO AS REQUIRED.
○	POINT OF CONNECTION TO A 1" RECLAIMED WATER METER. REFER TO THE UTILITY PLAN FOR THE EXACT LOCATION AND DETAILS.

NOZZLE CHART

LETTER	SPEC	COLOR	G.P.M. 40 PSI	DISTANCE	RADIUS	ZONE LABELS
A	MP2000	RED	1.47	19'	FULL	360'
B	MP CORNER	TURQUOISE	.45	14'	CORNER	105'
C	MP CORNER	TURQUOISE	.19	14'	CORNER	45'
D	MP2000	BLACK	.74	19'	HALF	180'
F	MP2000	BLACK	.40	19'	QUARTER	90'
G	MP END STRIP	COPPER	.22	5' X 15'	END STRIP	
H	RAIN_XPCN	BLACK	.23	4.5'	HALF PATTERN	
K	MP815	OLIVE	1.87	8'-16"	FULL	360'
M	MP SIDE S	BROWN	.44	5' X 30'	SIDE STRIP	
S	MP815	MAROON	.49	8'-16"	90° - 180°	
T	MP815	MAROON	.93	8'-16"	90° - 180°	
V	MP3000	BLUE	.86	30'	QUARTER	90°
W	MP3000	BLUE	1.82	30'	HALF	180°
X	MP3000	YELLOW	2.73	30'	THREE QTR.	270°
Y	MP3000	GRAY	3.64	30'	FULL	360°
Z	MP2000	GREEN	1.10	19'	THREE QTR.	270°

THE NOZZLES LISTED SHOW THE TYPE OF MP ROTATOR NOZZLE THAT SHOULD BE USED. THE CONTRACTOR SHOULD INSTALL CORRECT NOZZLE IN EACH HEAD AS SHOWN BY THE LETTER BESIDE THE HEAD ON THE PLAN. DO NOT USE MP1000 SERIES NOZZLES. THE GPM, DISTANCE AND ANGLE ON THE NOZZLE CHART ARE APPROXIMATE. THE CONTRACTOR SHALL ADJUST ALL NOZZLES TO PROVIDE THE 100% COVERAGE, BUT LIMIT OVERTHROW ON TO BUILDINGS, WALLS, PAVEMENT, ETC. THE HEADS SHALL BE SPACED AS PER THE PLAN. SCALE THE PLAN FOR DISTANCE. DO NOT ASSUME THAT ALL HEADS ARE SPACED AS PER CONVENTIONAL SPRAY HEADS. THE PRECIPITATION RATE FOR THESE NOZZLES IS LESS THAN A CONVENTIONAL SPRAY NOZZLE. FOLLOW THE ZONE CHART FOR AN APPROXIMATE RUN TIME FOR EACH ZONE, BUT SET THE RUN TIME ON THE CONTROLLER BASED ON THE SPECIFIC SITE CONDITIONS. DO NOT SUBSTITUTE WITH STANDARD NOZZLES.



500 WINDERLEY PLACE SUITE 325 | MATLAND, FLORIDA 32751 | P: 407.353.0112

SEAL



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Rogers
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DANIEL A. ROGERS, RLA | FLORIDA REGISTRATION LA0668866



DATE	SUBMISSION	NO
12.12.23	CONSTRUCTION DOCUMENTS	
05.19.26	CCD NO. 1	1
06.16.26	CCD NO. 2	2
08.07.26	CCD NO. 2R	3

IRRIGATION DETAILS & NOTES

PROJ. NO. _____ SHEET
DRAWN _____

L4.010