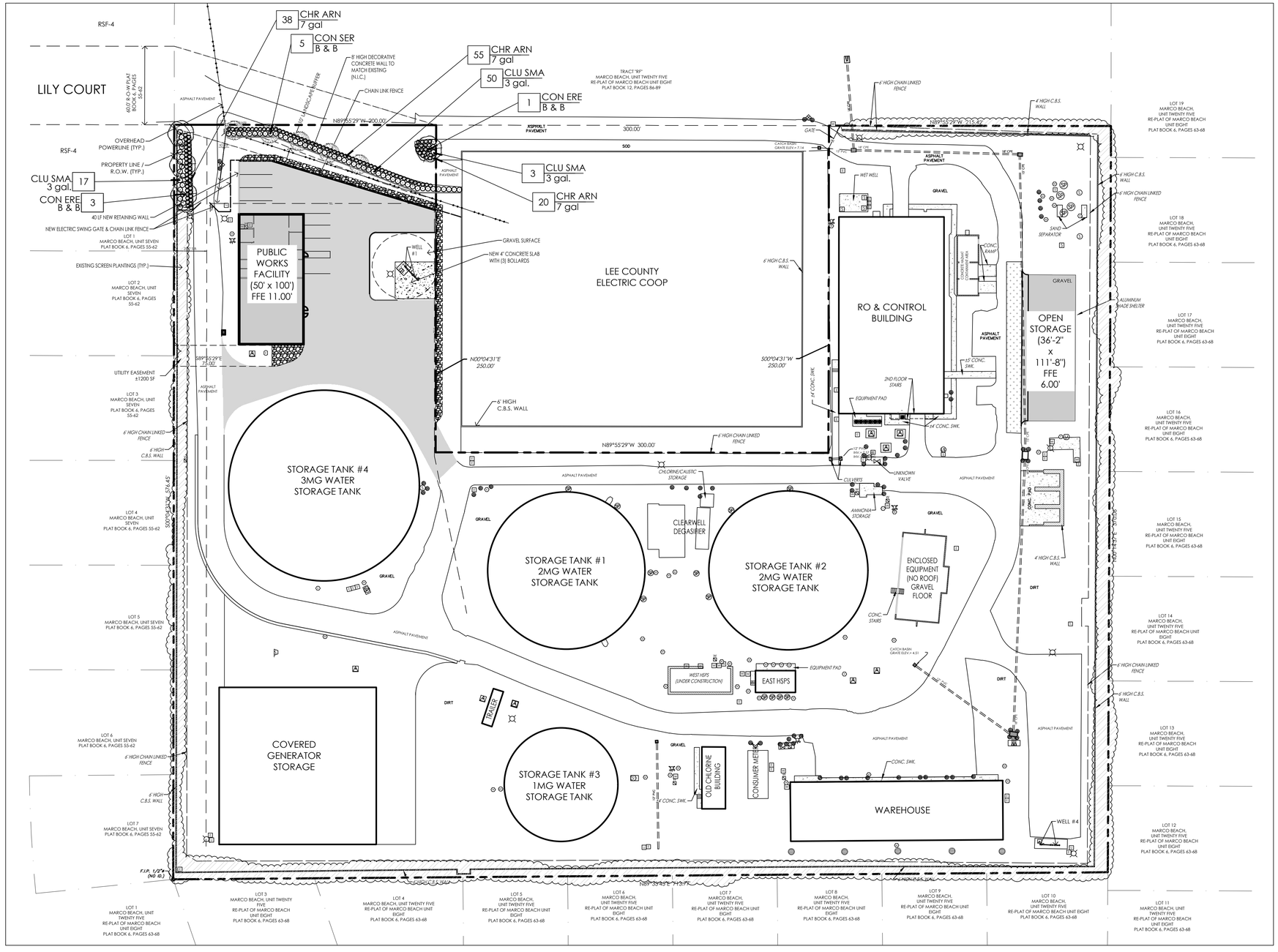


PROJECT CALCULATION TABLE:

Sec. 30-435 (a) (b) (c) (d) (e):

(1) At least 50 percent of the trees and 50 percent of the shrubs used to fulfill these requirements shall be native or naturalized Southern Floridian species **[PROVIDED]**

(2) In addition, for all sites, at least 50 percent of the trees and shrubs used to fulfill these requirements shall be drought-tolerant species as listed in the South Florida Water Management District's Plants for Your Florida-Friendly Landscape

Trees and palms. All required new individual trees shall be species having an average mature spread or crown of greater than 20 feet and having trunk(s), which can be maintained in a clean condition with over ten feet of clear wood. Trees adjacent to walkways, bike paths and rights-of-way shall be maintained in a clean condition with over ten feet of clear wood. Trees having an average mature spread or crown less than 20 feet may be substituted by grouping the same so as to create the equivalent of a 20-foot crown spread. For code-required trees, at least 50 percent of the trees shall be canopy type trees and 50 percent may be palms.

All multiple story structures (single-family, multifamily, commercial, and institutional).

Canopy trees:

(25 percent) Twelve to 14 feet on average height, six-foot spread, three-inch caliper, seven-foot clear trunk, 65-gallon minimum, Container or ball and burlaped (B&B). **[PROVIDED]**

(25 percent) Sixteen to 18 feet on average height, seven-foot spread, four-inch caliper, seven-foot clear trunk, 100 gallon minimum. Container or ball and burlaped (B&B). **[PROVIDED]**

Required Species Mix

Required Number of Trees Minimum Number of Species 2-10; 2 / 11-20; 3 / 21-30; 4 / 31+; 5 **[2 PROVIDED]**

Screening/buffering. Where screening is required (refer to Table 2) it shall be accomplished by the use of or combination of hedges, shrubs, ground covers, berming, and decorative fences or walls in combination with shrubs, vines and ground covers covering 50 percent or more of the fence or wall. The screening/buffering shall be designed to create within 12 months a 100 percent opaque visual screen/buffer, to be maintained in perpetuity, except for visibility requirements at vehicular access points, street intersections, and pedestrian access points.

(1) Minimum shrub sizes for opaque hedges at time of installation. Ten-gallon container, 48-inch height, 36-inch spread minimum, with the 48-inch height measured from the top of the root ball to the extent of the upper most foliage planted four feet on center. **[SIZES EXCEED CODE]**

(2) Minimum shrub sizes at time of installation adjacent to right-of-way and vehicular use areas. Three-gallon container minimum planted 36 inches on center with a minimum height of 24 inches and spread consistent to the species of plant, but meeting a Florida No. 1 or better nursery grown grade. The 24-inch height is measured from the top of the root ball to the extent of the upper most foliage. **[SIZES EXCEED CODE]**

Sec. 30-441. Minimum landscape buffering and screening between uses.

(g) Types of buffers. Within a required buffer area, the following alternative shall be used based on the matrix in Table 2.

Alternative B: Fifteen-foot-wide, opaque within one year, landscape buffer maintained at six feet in height, which may include a wall, fence, hedge, berm or combination thereof, including trees spaced no more than 25 feet on center. When planting a hedge, it shall be a minimum of ten gallon plants, 48 inches in height, three feet in spread and spaced a minimum four feet on center at planting.

BETWEEN RSF / CF: PROVIDED AT NORTHWEST

IRRIGATION NOTES:

1. Sleeving indicated shall be coordinated with existing structures, sized according to lateral piping (or group of laterals) to be contained, and adjusted to final field conditions. Coordinate with other trades, such as electrical, to group sleeving in the same trench.
2. No pressurized piping shall be run under roadways, drives, or other structures without sleeving.
3. Valve locations / scale indicated are graphic representations of approximate locations and angles. Field location will be necessary according to the final coverage, circuiting, and area to be irrigated.
4. The calculations are based upon Manufacturer guidelines for PGV valves, MP Rotator heads, and other equipment by Hunter Industries.
5. Sod shall be zoned SEPARATELY from remaining landscape materials. Irrigation within the R.O.W. is not shown and shall be permitted separately.

IRRIGATION ZONES SHALL BE SEPARATED FOR TURF AND GROUPED ACCORDING TO WATER DEMAND / MICROCLIMATE. VALVE LOCATIONS SHALL BE FIELD VERIFIED, GROUPED, AND MARKED PER NOTES.

WATERING SCHEDULE SHALL BE MODIFIED DURING IRRIGATION DROUGHT RESTRICTIONS TO ACHIEVE A 1" APPLICATION PER WEEK. SCHEDULE SHOWN IS FOR TWO PER WEEK, PER HEAD TYPE WITH OPERATION TIMES FROM MIDNIGHT TO 8:00 A.M.

GENERAL NOTES

1. MULCH: Max. 3" layer (after watering in) required, Extending min. 12" ring from trunk in all directions.
2. STAKING. Re-staked within 24 hours of a blow over / staking failure. Remove between 6 and 12 months after planting.
3. LIGHT POLES. Contractor shall ensure placement of all trees maintain a minimum 12.5' horizontal clearance between the trunk and face of street light poles.
4. EASEMENTS. Written permission must be obtained for any planting.
5. LIMEROCK. Shall be excavated from planting holes / planting areas in parking lots.
6. SIGNAGE. Coordinate final locations on-site to reduce conflicts.
7. MAINTENANCE. Shall abide by all Codes. Removals shall be verified with pertinent Codes, Surveys, Permits, etc. prior to action.
8. IRRIGATION. 100% coverage required, timers with automatic overrides for rain, separate zoning is required for different water use areas, and watering within guidelines established by the SFWMD and/or City.
9. PLANTINGS. Plantings must be a minimum of 24" from the back of curb.

eMERGE design LLC
LANDSCAPE ARCHITECTURE
4010 8TH AVE SE
NAPLES, FL 34117
info@emergedesign.biz | 239.272.7933

revision/issue date: 04.13.25
date: 04.10.25

filename: 250413-MI PW.dwg
project number: 2522

0 40' 80'
0 1 2
NORTH
scale: 1" = 40'

CITY OF MARCO ISLAND PUBLIC WORKS FACILITY AT SWTP
LANDSCAPE / IRRIGATION PLAN

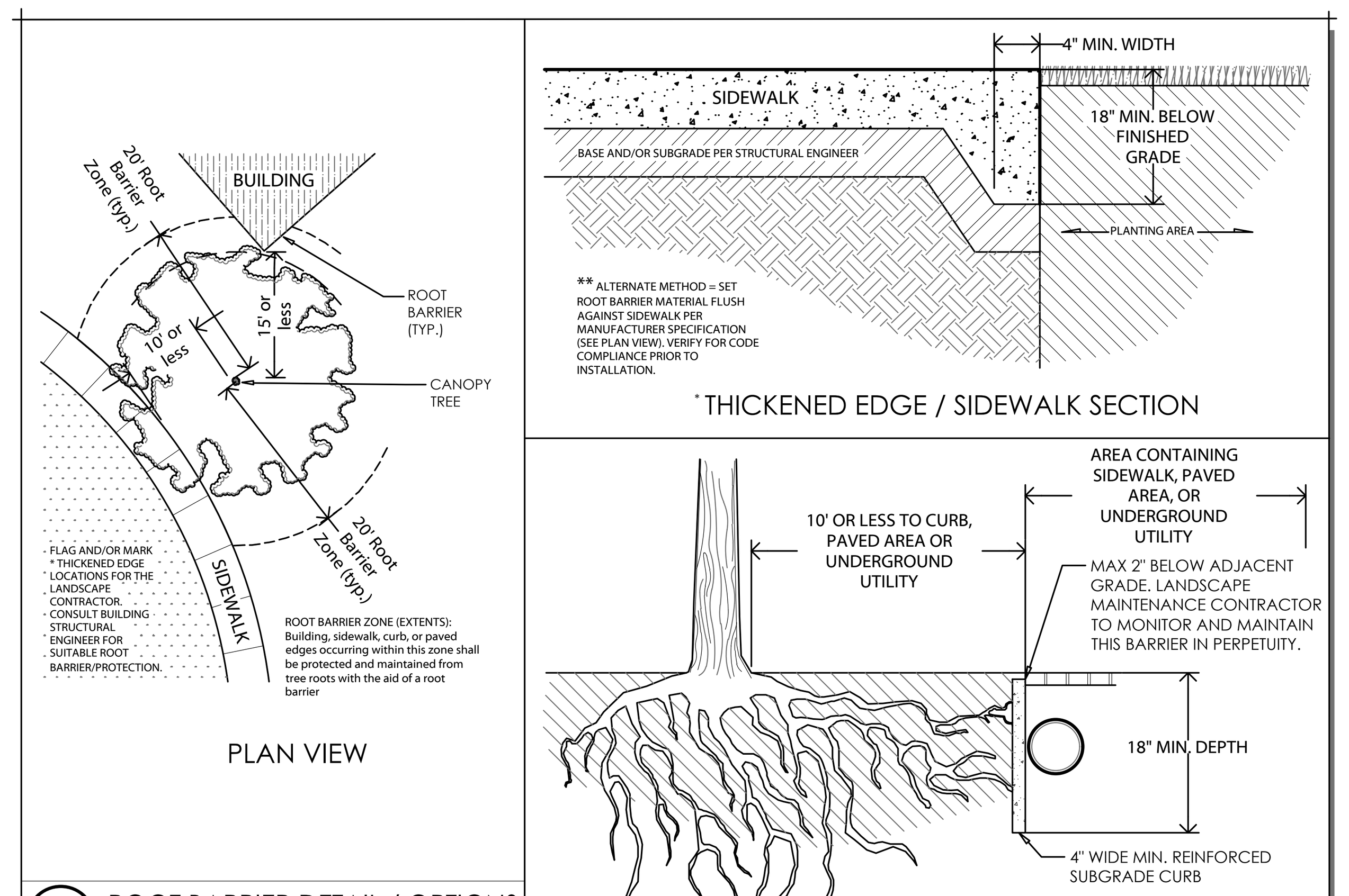
1

Digitally signed by Jeffrey S Curl
Date: 2025.04.13 16:30:01 -04'00'

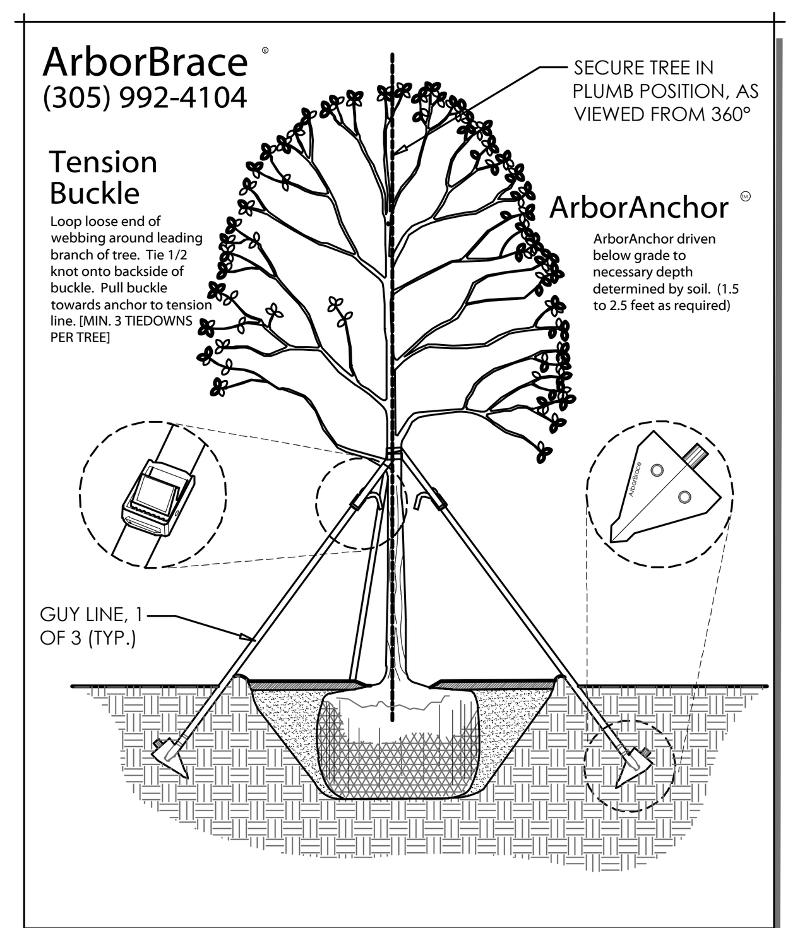
Jeffrey S.Curl ASLA CLARB
Registered Landscape Architect
FLA LIC: LA#666769

LANDSCAPE INSTALLATION NOTES AND SPECIFICATIONS:

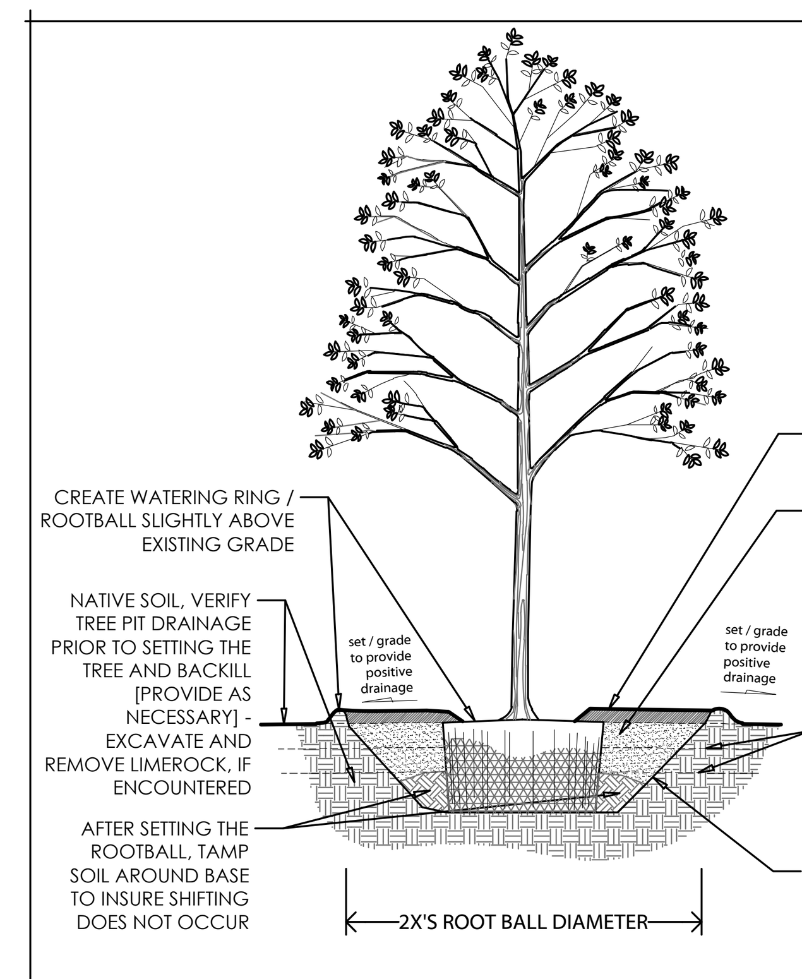
1. A set of Construction Documents and/or Approved Code-required Plans shall be on site at all times.
2. All utilities, easements, right-of-way, Ownership, and/or other survey data shall be verified by the General Contractor, Sitework Contractor, and/or Landscape Contractor prior to the Commencement of Work.
3. Compliance / Permit acquisition and/or display is required for Code-relevant requirements (such as, but not limited to: removals, trimming, replacement, etc.).
4. Verify Plant Quantities and Specifications with the Landscape Architect (also referenced as "L.A." hereafter). Notify the Landscape Architect immediately if discrepancies are noted. Planting Plan shall take precedence over 'Plant List Quantities.' The L.A. reserves the right for material rejection if the installation does not correspond to the Plant List 'Specification / Remark'.
5. Plant material is to be Florida Grade #1 minimum and Florida Fancy for plant material specified as "Specimen." Trees are to be considered single trunk and meet the minimum standard for Code within the applicable jurisdiction.
6. Sizes/specifications are considered minimum. Installation material is to meet or exceed these requirements - verify any discrepancy prior to material purchase, delivery, and/or installation.
7. The Landscape Contractor shall verify the location of plant material with the L.A. prior to installation - contact the L.A. for specific guidelines. If a site conflict / potential is noted, notify the Landscape Architect prior to material installation. The L.A. reserves the right for material relocation if the installation does notcorrespond to the Planting Plan.
8. The Landscape Contractor and/or Irrigation Contractor shall be responsible for damaged site utilities, infrastructure, etc. Repair / Replace shall be a requirement.
9. Verify site removals, relocations, and/or protected items prior to Bid Preparation. This may include but not be limited to: sod, soil, plant material, stumps, etc. The Landscape Contractor shall be required to complete work as outlined with the Planting Plan(s), Specifications, and Notes.
10. Quantities and specification are subject to adjustment, relocation, and/or removal during or after the installation and subsequent approval process by the L.A.
11. Exotic(s) or Nuisance Plants as defined by the local agency(ies) shall supercede State requirements; however, the Florida Exotic Pest Plant Council (FLEPPC) and/or UF-IFAS Standards shall be used as a database to justify removals if no local ordinance/Code requirement exists.
12. The Landscape Contractor shall execute pruning via a Certified Arborist and using standards as established by the International Society of Arboriculture. All pruning, upon request, shall be advised by the L.A.
13. Trees and palms over 8' in height shall be staked.
14. The Landscape Contractor and/or Irrigation Contractor shall be responsible for: 1) plant warranties and replacements, as specified within their respective agreement(s) 2) plant material maintenance until "Substantial Completion" 3) plant material protection adequacy 4) Scope of Work verification and execution 5) coordination of all Subcontractor(s)
15. The Owner / General Contractor shall be responsible for: 1) Providing Final Grade, Site Access, Security of the site 2) Contract review and acceptance of terms 3) Plant / Irrigation Maintenance coordination 4) Payment milestones



1 ROOT BARRIER DETAIL / OPTIONS
NOT TO SCALE



2 TREE GUYING DETAIL
NOT TO SCALE



3 TREE / PALM PLANTING DETAIL
NOT TO SCALE

IRRIGATION INSTALLATION NOTES AND SPECIFICATIONS:

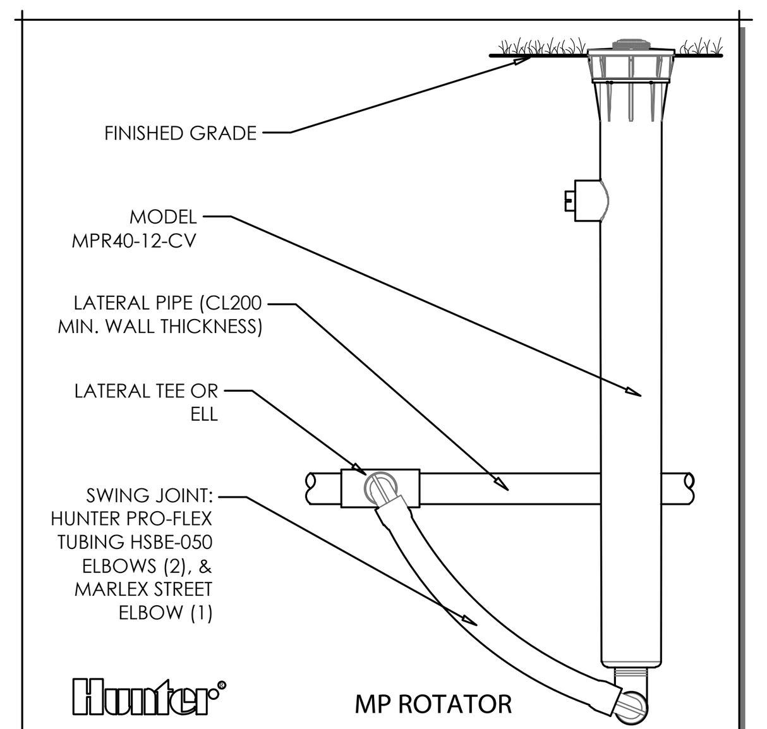
1. The site is to contain 100% Irrigation Coverage via an efficient system utilizing standards common to the industry.
2. The Irrigation system is to be controlled by a rain sensor switch connected to the System controller. The location of the System controller is to be verified and coordinated as necessary to provide access and electrical connection(s).
3. Coordinate separation, electrical, and other requirements when determining the final meter location. Also, see note #5 for additional equipment to be installed.
4. Irrigation sleeving locations indicated are diagrammatic and serve only as a guide for installation purposes. Irrigation sleeving is to be a minimum of Schedule 40 PVC. This work is to be coordinated by the General Contractor. The Irrigation Contractor/Subcontractor shall not be responsible for sleeving installation unless this work is in the Irrigation Scope of Work. Sleeving shall be clearly marked, flagged, or otherwise delineated above grade to avoid damage and provide ease of location for future use. Sleeving shall be utilized in areas where piping must cross a greater than 5' width, such as roads and walks.
5. Backflow Preventer shall be required per Industry standards and Collier County Codes.
6. Avoid overspray on pavement, buildings, etc. Utilize pressure-compensating heads for elimination of aerosol spray (This is a standard feature of MP Rotator, Hunter spray heads).
7. Verify pressure and flow rate after the Meter/Backflow assembly prior to bid submission. The design is based upon the following operating parameters: 60 GPM Max. and 40 PSI Min.-60 PSI Max.
8. Pipe sizing shall be determined by the Friction Loss Method and water velocity shall not exceed 5 cubic feet per second.
9. Constant pressure piping shall be SCH 40 PVC.
10. The Irrigation Contractor shall supply As-built drawings and material cut sheets upon installation completion and as a term of Final Acceptance. This cost shall be accommodated in the bid.
11. Zones shall be marked in the controller box and corresponding valves shall have affixed to the Valve Cover a waterproof, fade-resistant tag.
12. Verify installation and parts warranty prior to Contract execution.
13. Irrigation heads in planting beds shall be 12" pop-up minimum and 6" pop-up minimum in sod areas. Risers, if installed, shall be black pvc consistent with later piping. Substitution(s) shall not be accepted unless the L.A. is notified prior to installation. If substituted without notification, a CREDIT shall be issued to the client for comparable pop-up sprays. Verify remaining type(s), if necessary. Install quick couplers as required or as noted.
14. This system shall be automated, provide a moisture sensing device, and will avoid the application (or indirect runoff of irrigation water) of water to impervious areas.

PLANT SCHEDULE

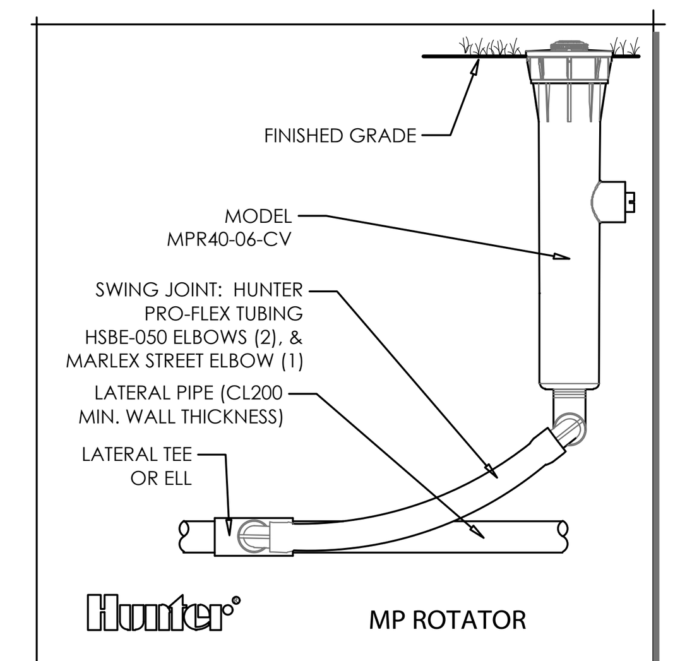
CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	zone / native
TREES						
CON ERE	4	Conocarpus erectus / Green Buttonwood	B & B	1.75"Cal	10` OA x 4` SPR	10 / Y
CON SER	5	Conocarpus erectus f. sericeus / Silver Buttonwood	B & B	1.75"Cal	10` OA x 4` SPR	10 / Y
CODE	QTY	BOTANICAL / COMMON NAME	CONT	FIELD2	FIELD3	
SHRUBS						
CHR ARN	104	Chrysobalanus icaco 'Red Tip' / Red Tip Coco Plum	7 gal	24" O.A.		10 / Y
CLU SMA	54	Clusia guttifera / Small Leaf Clusia	3 gal.			10 / Y

MISCELLANEOUS

SOD	Stenotaphrum secondatum 'Floratam'	SET ON FINAL GRADE DEVOID OF ROCKS, TIGHT JOINT (NO GAPS ALLOWED)
BAH	Paspalum notatum 'Pensacola'	DETENTION AREAS; SET ON FINAL GRADE DEVOID OF ROCKS, TIGHT JOINT (NO GAPS ALLOWED)
MULCH	COCOBROWN	3" DEPTH, AFTER WATERING IN
PINE STRAW		SLOPES OVER 4:1; 3" DEPTH AFTER WATERING IN



4 MP ROTATOR (SHRUBS) DETAIL
NOT TO SCALE



5 MP ROTATOR (TURF) DETAIL
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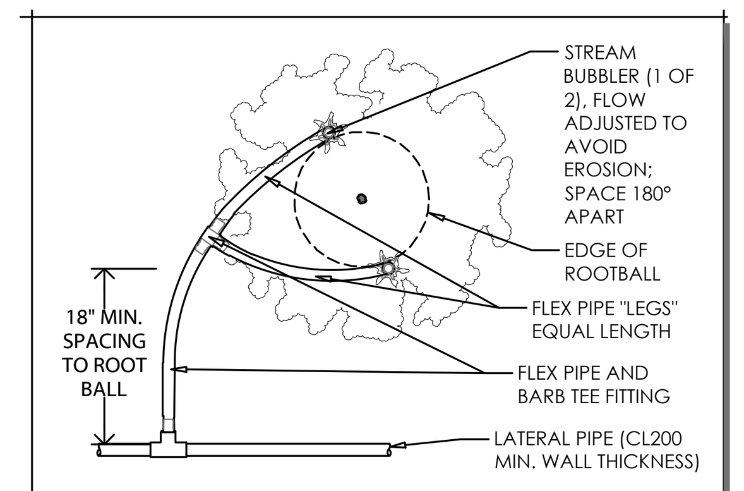


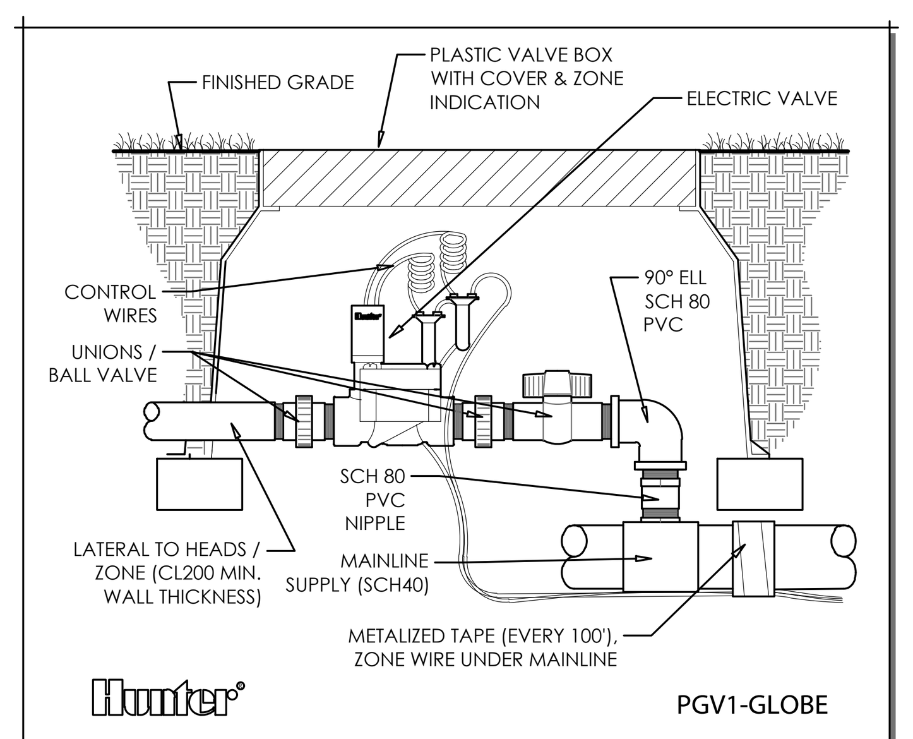
6 TREE / PALM BUBBLER DETAIL
NOT TO SCALE

LATERAL SIZING CHART

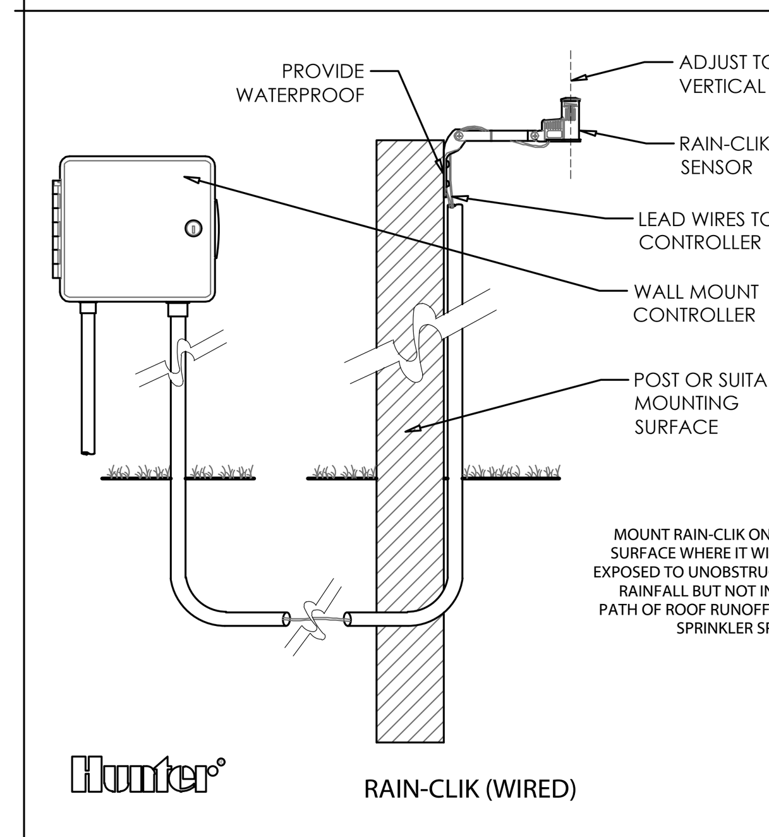
PVC Class 200 IPS Plastic Pipe
(1120, 1220) SDR 21 C=150, PSI loss per 100 feet of tube (PSI/100 FT), Sizes ¾" through 6", Flow GPM 1 through 600

SIZE	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	6"	SIZE
OD	1.050	1.315	1.660	1.900	2.375	2.875	3.500	4.500	6.625	OD
ID	.930	1.189	1.502	1.720	2.149	2.601	3.166	4.072	5.993	ID
WALL THK	.060	0.063	0.079	0.090	0.113	0.137	0.167	0.214	0.316	WALL THK

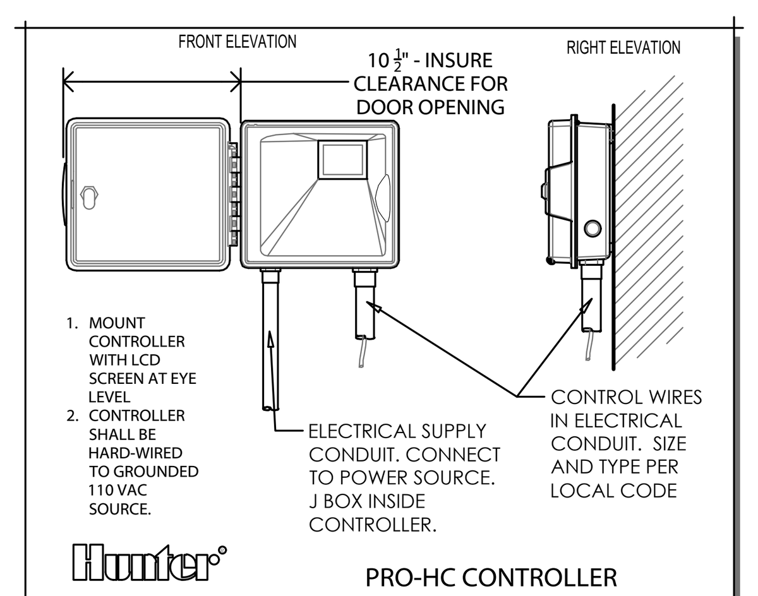
FLOW GPM	3/4" VELOCITY FPS	3/4" PSI LOSS	1" VELOCITY FPS	1" PSI LOSS	1-1/4" VELOCITY FPS	1-1/4" PSI LOSS	1-1/2" VELOCITY FPS	1-1/2" PSI LOSS	2" VELOCITY FPS	2" PSI LOSS	2-1/2" VELOCITY FPS	2-1/2" PSI LOSS	3" VELOCITY FPS	3" PSI LOSS	4" VELOCITY FPS	4" PSI LOSS	6" VELOCITY FPS	6" PSI LOSS	FLOW GPM
1	0.47	0.06	0.28	0.02	0.18	0.01	0.13	0.00											1
2	0.94	0.22	0.57	0.07	0.36	0.02	0.27	0.01	0.17	0.00									2
3	1.42	0.46	0.86	0.14	0.54	0.04	0.41	0.02	0.26	0.01	0.18	0.00							3
4	1.89	0.79	1.15	0.24	0.72	0.08	0.55	0.04	0.35	0.01	0.24	0.01							4
5	2.36	1.20	1.44	0.36	0.90	0.12	0.68	0.06	0.44	0.02	0.30	0.01							5
6	2.83	1.68	1.73	0.51	1.08	0.16	0.82	0.08	0.53	0.03	0.36	0.01	0.24	0.00					6
7	3.30	2.23	2.02	0.67	1.26	0.22	0.96	0.11	0.61	0.04	0.42	0.01	0.28	0.01					7
8	3.77	2.85	2.30	0.86	1.44	0.28	1.10	0.14	0.70	0.05	0.48	0.02	0.32	0.01					8
9	4.25	3.55	2.59	1.07	1.62	0.34	1.24	0.18	0.79	0.06	0.54	0.02	0.36	0.01					9
10	4.72	4.31	2.88	1.30	1.80	0.42	1.37	0.22	0.88	0.07	0.60	0.03	0.40	0.01					10
11	5.19	5.15	3.17	1.56	1.98	0.50	1.51	0.26	0.97	0.09	0.66	0.03	0.44	0.01					11
12	5.66	6.05	3.46	1.83	2.17	0.59	1.65	0.30	1.06	0.10	0.72	0.04	0.48	0.02	0.29	0.00			12
14	6.60	8.05	4.04	2.43	2.53	0.78	1.93	0.40	1.23	0.14	0.84	0.05	0.56	0.02	0.34	0.01			14
16	7.55	10.30	4.61	3.11	2.89	1.00	2.20	0.52	1.41	0.17	0.96	0.07	0.65	0.03	0.39	0.01			16
18	8.49	12.81	5.19	3.87	3.25	1.24	2.48	0.64	1.59	0.22	1.08	0.09	0.73	0.03	0.44	0.01			18
20	9.43	15.58	5.77	4.71	3.61	1.51	2.75	0.78	1.76	0.26	1.20	0.10	0.81	0.04	0.49	0.01			20
22	10.38	18.58	6.34	5.62	3.97	1.80	3.03	0.93	1.94	0.32	1.32	0.12	0.89	0.05	0.54	0.01			22
24	11.32	21.83	6.92	6.60	4.34	2.12	3.30	1.09	2.12	0.37	1.44	0.15	0.97	0.06	0.59	0.02			24
26	12.27	25.32	7.50	7.65	4.70	2.46	3.58	1.27	2.29	0.43	1.56	0.17	1.05	0.07	0.63	0.02			26
28	13.21	29.04	8.08	8.78	5.06	2.82	3.86	1.46	2.47	0.49	1.68	0.19	1.13	0.07	0.68	0.02			28
30	14.15	33.00	8.65	9.98	5.42	3.20	4.13	1.66	2.65	0.56	1.80	0.22	1.22	0.09	0.73	0.02	0.34	0.00	30
35	16.51	43.91	10.10	13.27	6.32	4.26	4.82	2.20	3.09	0.75	2.11	0.29	1.42	0.11	0.88	0.03	0.39	0.01	35
40	18.87	56.23	11.54	17.00	7.28	5.45	5.51	2.82	3.53	0.95	2.41	0.38	1.62	0.14	0.98	0.04	0.45	0.01	40
45			12.98	21.14	8.13	6.78	6.20	3.51	3.97	1.19	2.71	0.47	1.83	0.18	1.10	0.05	0.51	0.01	45
50			14.42	25.70	9.04	8.24	6.89	4.26	4.41	1.44	3.01	0.57	2.03	0.22	1.23	0.06	0.56	0.01	50
55			15.87	30.66	9.94	9.83	7.58	5.09	4.85	1.72	3.31	0.68	2.23	0.26	1.35	0.08	0.62	0.01	55
60			17.31	36.02	10.85	11.55	8.27	5.97	5.30	2.02	3.61	0.80	2.44	0.31	1.47	0.09	0.68	0.01	60
65			18.75	41.77	11.75	13.40	8.96	6.93	5.74	2.35	3.92	0.93	2.64	0.36	1.59	0.10	0.73	0.02	65
70					12.85	15.37	9.65	7.95	6.18	2.69	4.22	1.06	2.84	0.41	1.72	0.12	0.79	0.02	70
75					13.56	17.47	10.34	9.03	6.62	3.06	4.52	1.21	3.05	0.46	1.84	0.14	0.85	0.02	75
80					14.46	19.68	11.03	10.15	7.06	3.44	4.82	1.36	3.25	0.52	1.96	0.15	0.90	0.02	80
85					15.37	22.02	11.72	11.39	7.50	3.85	5.12	1.52	3.45	0.59	2.09	0.17	0.96	0.03	85
90					16.27	24.48	12.41	12.66	7.95	4.28	5.42	1.69	3.66	0.65	2.21	0.19	1.02	0.03	90
95					17.18	27.06	13.10	13.99	8.39	4.74	5.72	1.87	3.86	0.72	2.33	0.21	1.07	0.03	95
100					18.08	29.76	13.79	15.39	8.83	5.21	6.03	2.06	4.07	0.79	2.46	0.23	1.13	0.04	100
110					19.89	35.50	15.17	18.35	9.71	6.21	6.63	2.45	4.47	0.94	2.70	0.28	1.24	0.04	110
120							16.54	21.57	10.60	7.30	7.23	2.88	4.88	1.11	2.95	0.33	1.36	0.05	120
130							17.92	25.02	11.48	8.47	7.84	3.34	5.29	1.29	3.19	0.38	1.47	0.06	130
140							19.30	28.70	12.36	9.71	8.44	3.84	5.69	1.47	3.44	0.43	1.59	0.07	140
150									13.25	11.04	9.04	4.36	6.10	1.66	3.69	0.49	1.70	0.08	150
160									14.13	12.44	9.64	4.91	6.51	1.89	3.93	0.55	1.81	0.08	160
170									15.01	13.91	10.25	5.50	6.91	2.11	4.18	0.62	1.93	0.09	170
180									15.90	15.47	10.85	6.11	7.32	2.35	4.42	0.69	2.04	0.11	180
190									16.78	17.10	11.45	6.75	7.73	2.60	4.67	0.76	2.15	0.12	190
200									17.66	18.80	12.06	7.43	8.14	2.85	4.92	0.84	2.27	0.13	200
225									19.87	23.38	13.56	9.24	9.15	3.55	5.53	1.04	2.55	0.16	225
250											15.07	11.23	10.17	4.31	6.15	1.27	2.83	0.19	250
275											16.58	13.39	11.19	5.15	6.76	1.51	3.12	0.23	275
300											18.09	15.74	12.21	6.05	7.38	1.78	3.40	0.27	300
325											19.60	18.26	13.22	7.01	7.99	2.06	3.69	0.31	325
350													14.24	8.05	8.61	2.36	3.97	0.36	350
375													15.26	9.14	9.22	2.69	4.25	0.41	375
400													16.28	10.30	9.84	3.03	4.54	0.46	400
425													17.29	11.53	10.45	3.39	4.82	0.52	425
450													18.31	12.81	11.07	3.77	5.11	0.57	450
475													19.33	14.16	11.68	4.16	5.39	0.63	475
500															12.50	4.58	5.67	0.70	500
550															13.53	5.46	6.24	0.83	550
600															14.76	6.42	6.81	0.98	600



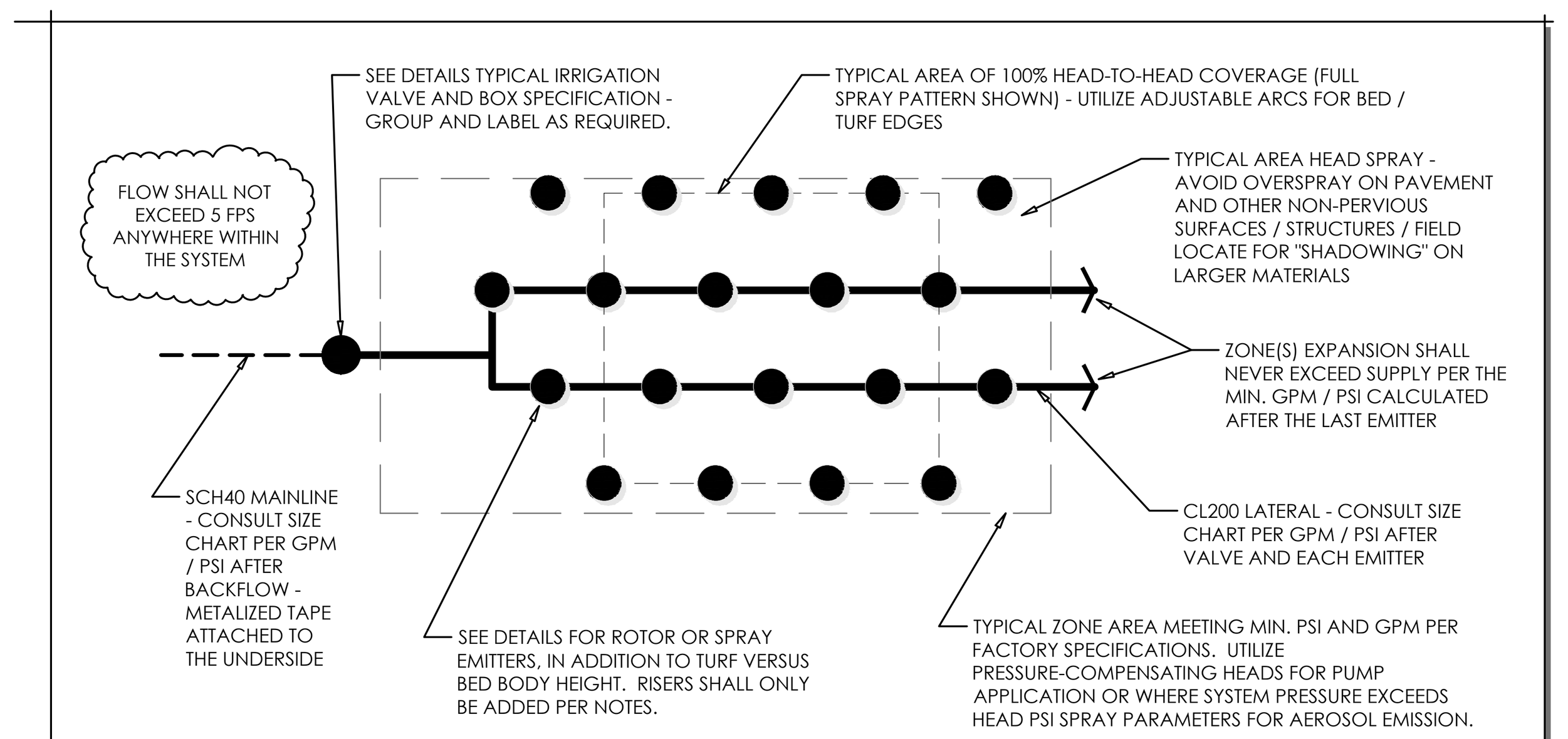
3 ELECTRIC VALVE DETAIL
NOT TO SCALE



1 RAIN SENSOR DETAIL
NOT TO SCALE



2 CONTROLLER DETAIL
NOT TO SCALE



7 ROTOR / SPRAY LAYOUT DETAIL
NOT TO SCALE

MAINLINE SIZING CHART

PVC Schedule 40 IPS Plastic Pipe
(1120, 1220) C=150, PSI loss per 100 feet of tube (PSI/100 FT), Sizes ½" through 6", Flow GPM 1 through 600

SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	6"	SIZE
OD	0.840	1.050	1.315	1.660	1.900	2.375	2.875	3.500	4.500	6.625	OD
ID	0.622	0.824	1.049	1.380	1.610	2.067	2.469	3.068	4.026	6.065	ID
WALL THK	0.109	0.113	0.133	0.140	0.145	0.154	0.203	0.216	0.237	0.280	WALL THK

FLOW GPM	1/2" VELOCITY FPS	1/2" PSI LOSS	3/4" VELOCITY FPS	3/4" PSI LOSS	1" VELOCITY FPS	1" PSI LOSS	1-1/4" VELOCITY FPS	1-1/4" PSI LOSS	1-1/2" VELOCITY FPS	1-1/2" PSI LOSS	2" VELOCITY FPS	2" PSI LOSS	2-1/2" VELOCITY FPS	2-1/2" PSI LOSS	3" VELOCITY FPS	3" PSI LOSS	4" VELOCITY FPS	4" PSI LOSS	6" VELOCITY FPS	6" PSI LOSS	FLOW GPM
1	1.05	0.43	0.60	0.11	0.37	0.03	0.21	0.01	0.15	0.00											1
2	2.11	1.55	1.20	0.39	0.74	0.12	0.42	0.03	0.31	0.02	0.19	0.00									2
3	3.16	3.28	1.80	0.84	1.11	0.26	0.64	0.07	0.47	0.03	0.28	0.01	0.20	0.00							3
4	4.22	5.60	2.40	1.42	1.48	0.44	0.85	0.12	0.62	0.05	0.38	0.02	0.26	0.01							4
5	5.27	8.46	3.00	2.15	1.85	0.66	1.07	0.16	0.78	0.08	0.47	0.02	0.33	0.01	0.21	0.00					5
6	6.33	11.86	3.60	3.02	2.22	0.93	1.28	0.25	0.94	0.12	0.57	0.03	0.40	0.01	0.26	0.01					6
7	7.38	15.77	4.20	4.01	2.59	1.24	1.49	0.33	1.10	0.15	0.66	0.05	0.46	0.02	0.30	0.01					7
8	8.44	20.20	4.80	5.14	2.96	1.59	1.71	0.42	1.25	0.20	0.76	0.06	0.53	0.02	0.34	0.01					8
9	9.49	25.12	5.40	6.39	3.33	1.97	1.92	0.52	1.41	0.25	0.85	0.07	0.60	0.03	0.39	0.01					9
10	10.55	30.54	6.00	7.77	3.70	2.40	2.14	0.63	1.57	0.30	0.95	0.09	0.66	0.04	0.43	0.01					10
11	11.60	36.43	6.60	9.27	4.07	2.86	2.35	0.75	1.73	0.36	1.05	0.11	0.73	0.04	0.47	0.02					11
12	12.65	42.80	7.21	10.69	4.44	3.36	2.57	0.89	1.88	0.42	1.14	0.12	0.80	0.05	0.52	0.02	0.30	0.00			12
14	14.76	56.94	8.41	14.45	5.19	4.47	2.99	1.18	2.20	0.56	1.33	0.17	0.93	0.07	0.60	0.02	0.35	0.01			14
16	16.87	72.92	9.61	18.55	5.93	5.73	3.42	1.51	2.51	0.71	1.52	0.21	1.07	0.09	0.69	0.03	0.40	0.01			16
18	18.98	90.69	10.81	23.07	6.67	7.13	3.85	1.88	2.83	0.89	1.71	0.26	1.20	0.11	0.78	0.04	0.45	0.01			18
20	21.09	110.23	12.01	28.04	7.41	8.66	4.28	2.28	3.14	1.08	1.90	0.32	1.33	0.13	0.86	0.05	0.50	0.01			20
22			13.21	33.45	8.15	10.33	4.71	2.72	3.46	1.29	2.10	0.38	1.47	0.16	0.95	0.06	0.55	0.01			22
24			14.42	39.30	8.89	12.14	5.14	3.20	3.77	1.51	2.29	0.45	1.60	0.19	1.04	0.07	0.60	0.02			24
26			15.62	45.56	9.64	14.08	5.57	3.17	4.09	1.75	2.48	0.52	1.74	0.22	1.12	0.08	0.65	0.02			26
28			16.82	52.28	10.38	16.15	5.99	4.25	4.40	2.01	2.67	0.60	1.87	0.25	1.21	0.09	0.70	0.02			28
30			18.02	59.41	11.12	18.35	6.42	4.83	4.72	2.28	2.86	0.68	2.00	0.29	1.30	0.10	0.75	0.03			30
35					12.97	24.42	7.49	6.43	5.50	3.04	3.34	0.90	2.34	0.38	1.51	0.13	0.88	0.04	0.38	0.00	35
40					14.83	31.27	8.56	8.23	6.29	3.89	3.81	1.15	2.67	0.49	1.73	0.17	1.00	0.04	0.44	0.01	40
45					16.68	38.89	9.64	10.24	7.06	4.84	4.29	1.43	3.01	0.60	1.95	0.21	1.13	0.06	0.49	0.01	45
50					18.53	47.27	10.71	12.45	7.87	5.88	4.77	1.74	3.34	0.73	2.16	0.26	1.25	0.07	1.55	0.01	50
55							11.78	14.85	8.65	7.01	5.25	2.08	3.68	0.88	2.38	0.30	1.38	0.08	0.61	0.01	55
60							12.85	17.45	9.44	8.24	5.72	2.44	4.01	1.03	2.60	0.36	1.51	0.10	0.66	0.01	60
65							13.92	20.23	10.23	9.56	6.20	2.83	4.35	1.19	2.81	0.41	1.63	0.11	0.72	0.02	65
70							14.99	23.21	11.01	10.96	6.68	3.25	4.68	1.37	3.03	0.48	1.76	0.13	0.77	0.02	70
75							16.06	26.37	11.80	12.46	7.16	3.69	5.01	1.56	3.25	0.54	1.88	0.14	0.83	0.02	75
80							17.13	29.72	12.59	14.04	7.63	4.16	5.35	1.75	3.46	0.61	2.01	0.16	0.88	0.02	80
85							18.21	33.26	13.37	15.71	8.11	4.66	5.68	1.96	3.68	0.68	2.13	0.18	0.94	0.02	85
90							19.28	36.97	14.16	17.46	8.59	5.18	6.02	2.18	3.90	0.76	2.26	0.20	0.99	0.03	90
95									14.95	19.30	9.07	5.72	6.35	2.41	4.11	0.84	2.39	0.22	1.05	0.03	95
100									15.74	21.22	9.54	6.29	6.69	2.65	4.33	0.92	2.51	0.25	1.10	0.03	100
110									17.31	25.32	10.50	7.51	7.36	3.16	4.76	1.10	2.76	0.29	1.22	0.04	110
120									18.88	29.75	11.45	8.82	8.03	3.72	5.20	1.29	3.02	0.34	1.33	0.05	120
130											12.41	10.23	8.70	4.31	5.63	1.50	3.27	0.40	1.44	0.05	130
140											13.36	11.74	9.37	4.94	6.06	1.72	3.52	0.46	1.55	0.06	140
150											14.32	13.33	10.03	5.62	6.50	1.95	3.77	0.52	1.66	0.07	150
160											15.27	15.03	10.70	6.33	6.93	2.20	4.02	0.59	1.77	0.08	160
170											16.23	16.81	11.37	7.08	7.36	2.46	4.27	0.66	1.88	0.09	170
180											17.18	18.69	12.04	7.87	7.80	2.74	4.53	0.73	1.99	0.10	180
190											18.14	20.66	12.71	8.70	8.23	3.02	4.78	0.81	2.10	0.11	190
200											19.09	22.72	13.38	9.57	8.66	3.33	5.03	0.89	2.21	0.12	200
225													15.05	11.90	9.75	4.14	5.66	1.10	2.49	0.15	225
250													16.73	14.47	10.53	5.03	6.29	1.34	2.77	0.18	250
275													18.40	17.26	11.97	6.00	6.92	1.60	3.05	0.22	275
300															13.00	7.05	7.55	1.88	3.32	0.26	300
325															14.08	8.17	8.18	2.18	3.60	0.30	325
350															15.17	9.38	8.81	2.50	3.88	0.34	350
375															16.25	10.65	9.43	2.84	4.15	0.39	375
400															17.33	12.01	10.06	3.20	4.43	0.44	400
425															18.42	13.43	10.69	3.58	4.71	0.49	425
450															19.50	14.93	11.32	3.98	4.99	0.54	450
475																	11.95	4.40	5.26	0.60	475
500																	12.58	4.94	5.54	0.66	500
550																	13.84	5.77	6.10	0.79	550
600																	15.10	6.78	6.65	0.92	600

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CITY OF MARCO ISLAND PUBLIC WORKS FACILITY AT SWTP

DETAILS, NOTES, AND SPECIFICATIONS

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