

IRRIGATION NOTES

- A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR:
- FOLLOWING ALL APPLICABLE CODES AND REGULATIONS CONCERNING THE WORK, WHETHER THEY ARE IMPLIED OR STIPULATED IN THE CONSTRUCTION DOCUMENTS.
 - REPORTING AND REPAIRING ANY DAMAGE CAUSED BY HIS WORK OR ACTIONS.
 - MAINTAINING THE JOBSITE IN A CLEAN, PROFESSIONAL AND WORKMANLIKE MANNER.
 - COORDINATION WITH ALL OTHER ASPECTS OF THE JOB AFFECTING THE FINISHED CHARACTER, INCLUDING ADJUSTMENTS TO HEAD AND PIPE LOCATIONS IF REQUIRED.
 - COMPLETING THE WORK IN A CONTINUOUS AND FLUID MANNER UNTIL IT IS COMPLETE, FROM SITE PREPARATION THROUGH FINAL WALK THROUGH AND TURNOVER.
 - REVIEWING THE SITE AS A WHOLE TO DETERMINE IF ANY ASPECTS OF THE PLAN(S) PRESENT A CONFLICT WITH THE SITE CONDITIONS. ANY CONFLICTS SHALL BE BROUGHT TO THE LANDSCAPE ARCHITECT IMMEDIATELY, OBSERVING AND REPORTING ANY CONDITIONS WHICH WOULD AFFECT THE PERFORMANCE OF THE IRRIGATION SYSTEM(S) TO INCLUDE WATER QUALITY.
- B. THE SCOPE OF WORK SHALL INCLUDE:
- PROVIDING A DESIGN/BUILD IRRIGATION SYSTEM BASED ON THE PERFORMANCE SPECIFICATIONS AND DETAILS AS PROVIDED IN THE CONSTRUCTION DOCUMENTS.
 - PRESENTATION OF SUBMITTALS AND SAMPLES OF MATERIALS AS REQUIRED.
 - SUBMITTAL OF A WRITTEN GUARANTEE INCLUDING ALL MANUFACTURER'S WARRANTIES.
 - SUPPLYING OF MATERIAL OF THE SPECIFIED TYPE, SIZE, AND QUANTITY.
 - PROVIDING A PROPERLY BALANCED IRRIGATION SYSTEM WHICH DELIVERS ADEQUATE WATER TO THE IRRIGATED AREAS WITHOUT APPLYING ANY WATER TO IMPERVIOUS AREAS.
- C. THE IRRIGATION SYSTEM PROVIDED BY THE CONTRACTOR SHALL COVER THE IRRIGATION PROJECT AREA/ LIMITS AS IDENTIFIED ON THE PLANS, OR AS APPROVED BY THE OWNER. THE AREA SHALL BE 100% IRRIGATED WITH BALANCED HEAD TO HEAD COVERAGE, USING SEPARATE ZONES FOR TURF AND TREES/ SHRUBS. THE IRRIGATION SYSTEM SHALL BE EQUIPPED WITH AN AUTOMATIC CONTROLLER, AUTOMATIC RAIN CUT-OFF SWITCH, AND BACK-FLOW PREVENTION.
- D. THE LANDSCAPE ARCHITECT IS RESPONSIBLE FOR ENSURING THAT WORK MEETS ALL REQUIREMENTS AS OUTLINED IN THE SPECIFICATIONS AND PLANS, IMPLIED OR STIPULATED. THE CONTRACTOR SHALL PROVIDE FOR ALL WORK AND MEET SAID REQUIREMENTS - ANY WORK THAT DOES NOT IS SUBJECT TO REPLACEMENT BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE.
- E. ALL IRRIGATION INSTALLATION/ MAINTENANCE PROFESSIONALS SHALL BE LICENSED AND CERTIFIED IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.
- F. ALL IRRIGATION INSTALLATION/ MAINTENANCE SHALL BE PERFORMED IN ACCORDANCE WITH THE FLORIDA-FRIENDLY BEST MANAGEMENT PRACTICES FOR PROTECTION OF WATER RESOURCES BY THE GREEN INDUSTRIES. <http://ff.ifas.ufl.edu>

IRRIGATION WATERING RESTRICTIONS, NON-RESIDENTIAL

- IRRIGATION IS NOT ALLOWED BETWEEN 10:00 A.M. AND 4:00 P.M.
 - WHEN DAYLIGHT SAVINGS TIME IS IN EFFECT, NON-RESIDENTIAL LANDSCAPE IRRIGATION MAY OCCUR ONLY ON TUESDAY AND/ OR FRIDAY.
 - WHEN EASTERN STANDARD TIME IS IN EFFECT, NON-RESIDENTIAL LANDSCAPE IRRIGATION MAY OCCUR ONLY ON TUESDAY.
 - FOR EACH DAY THAT IRRIGATION OCCURS, NO MORE THAN THREE-QUARTER INCH (3/4") OF WATER MAY BE APPLIED PER IRRIGATION ZONE, AND IN NO EVENT SHALL AN IRRIGATION ZONE OPERATE FOR MORE THAN ONE HOUR.
 - ALL LANDSCAPE IRRIGATION SHALL BE LIMITED IN AMOUNT TO ONLY THAT WHICH IS NECESSARY TO MEET LANDSCAPE ESTABLISHMENT AND NEEDS.
- NOTE: IRRIGATION OF A NEW LANDSCAPE IS ALLOWED AT ANY TIME OF DAY FOR THE INITIAL THIRTY (30) DAYS, AND EVERY OTHER DAY FOR THE NEXT THIRTY (30) DAYS, FOR A TOTAL OF ONE SIXTY (60) DAY PERIOD.

LATERAL ZONE LINE PIPE SIZING DOWNSTREAM OF EACH ZONE VALVE (UNLESS OTHERWISE NOTED ON THESE PLANS)

THE BELOW GUIDE GIVES A GENERAL OUTLINE FOR LATERAL ZONE LINE PIPE SIZING. SIZING SHOULD BE STARTED FROM THE FURTHEST MOST EXTREMITIES OF EACH ZONE AND WORKED BACK TO THE ZONE VALVE. CARE SHOULD BE TAKEN TO TOTAL EACH INTERSECTION OF LATERAL ZONE LINE TO KEEP AN ACCURATE ACCOUNT OF GPM ALL THE WAY BACK TO THE VALVE. THE GPM FOR EACH ZONE IS GIVEN AT EACH VALVE CALL-OUT ON THE PLANS.

GALLONS PER MINUTE (GPM)	APPROPRIATE PIPE SIZE
0-10 GPM	3/4" PVC
11-16 GPM	1" PVC
17-25 GPM	1 1/4" PVC
26-35 GPM	1 1/2" PVC
36-55 GPM	2" PVC
56-85 GPM	2 1/2" PVC
86-120 GPM	3" PVC
121-220 GPM	4" PVC

ZONE SCHEDULE

1	TREE BUBBLER
2	DRIP ZONE

PLD Emitter Line Maximum Length

EMITTER LINE LENGTH IN FEET (FOR 1.0 GPM EMITTERS)

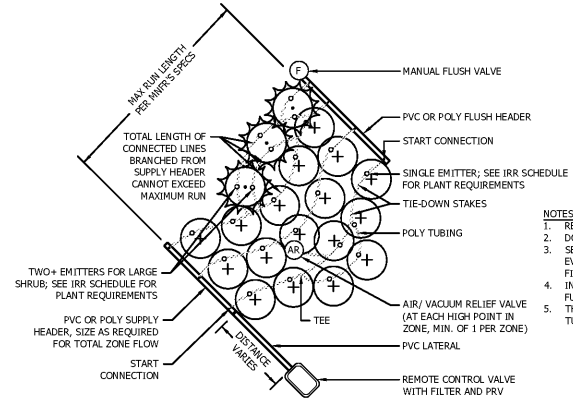
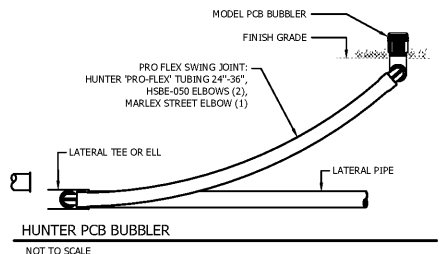
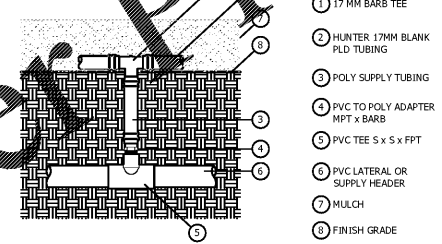
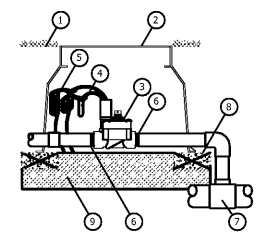
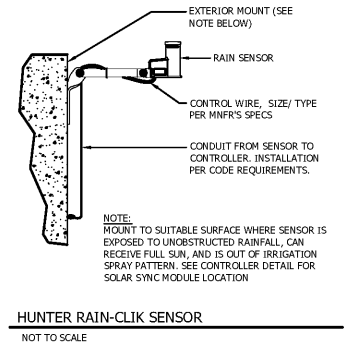
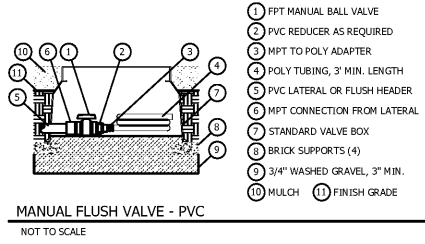
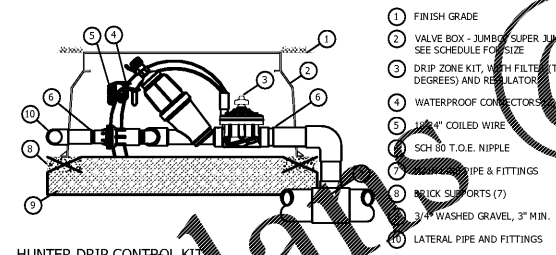
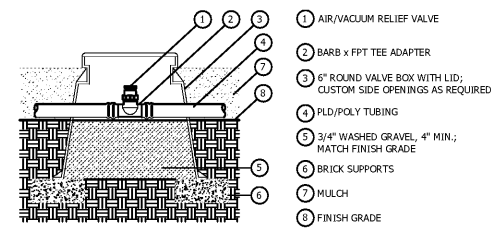
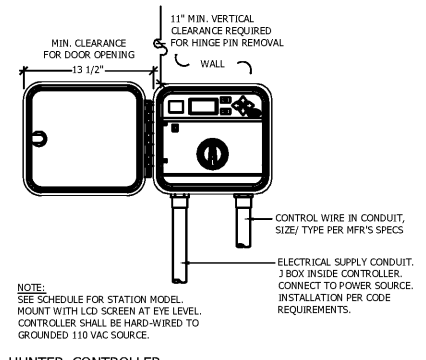
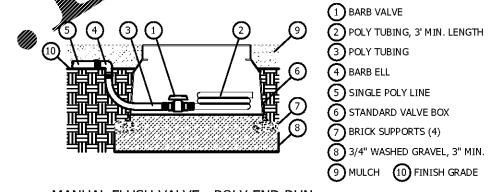
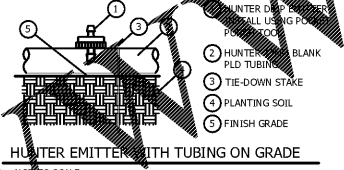
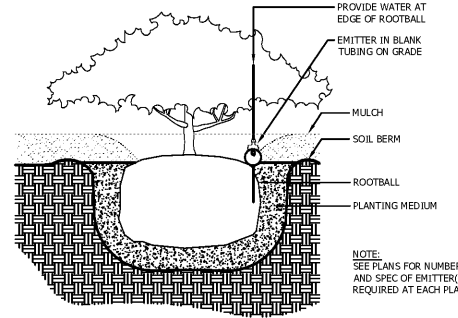
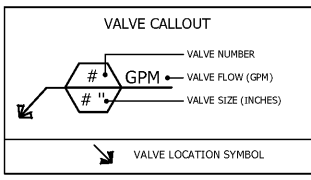
PSI	EMITTER SPACING	12"	18"	24"
15	126	176	222	
20	169	235	295	
25	197	276	346	
30	218	308	390	
35	240	337	425	
40	263	362	452	
45	271	384	486	
50	288	401	503	

(LENGTH ON 0% SLOPE)
SEE MNR'S SPECS

VALVE SIZING

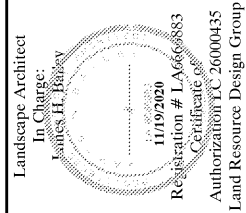
PRESSURE LOSS NOT TO EXCEED 5 PSI:

Flow GPM	1" Globe	1 1/2" Globe	2" Globe
1	1.1		
5	1.9		
10	1.9		
15	1.6		
20	3.3	3	1
30	9.1	3	1
35	16	3	2
40	20	3	2
50	4	1	
60	5	2	
80	5.5	3	
100	9	5	
120	11.5	6	
135		8	
150		10	



NO.	DATE	DESCRIPTION	CHK	BY
			DATE	INITIALS
1	11/19/20	REVISIONS PER COUNTY COMMENTS		

7-ELEVEN MARICAMP RD
 MARION COUNTY, FLORIDA
PERMIT PLANS
 PREPARED FOR: MASTROSERIO ENG
IRRIGATION DETAILS/ NOTES



DATE: 08-24-20
 PROJECT NO.: MAS020-03.01
 DRAWN BY: JWS /JHB
 DESIGNED BY: JWS
 CHECKED BY: JHB

SHEET NO.
IRD.01