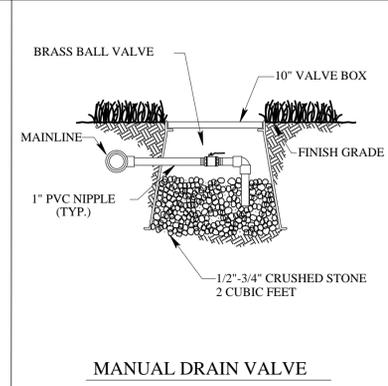
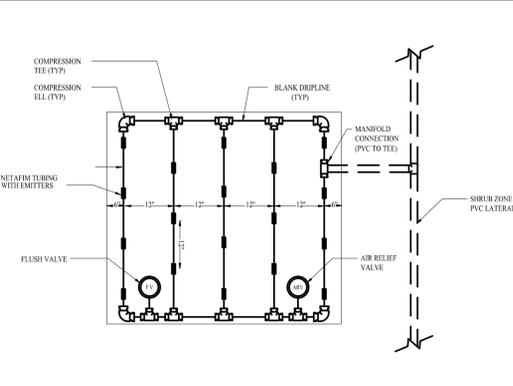
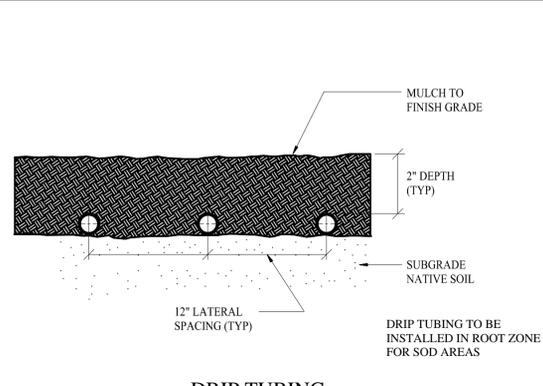
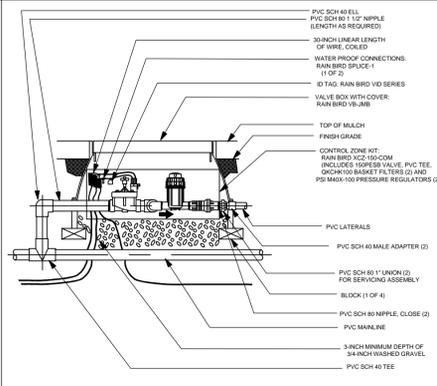


**GENERAL NOTES**

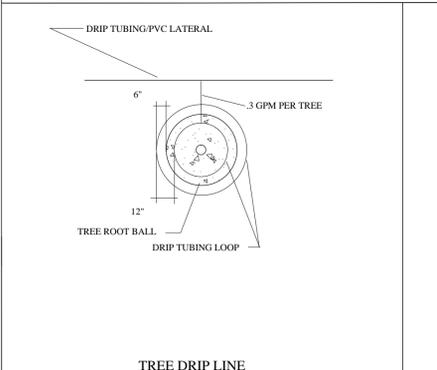
- REFER TO THE LANDSCAPE PLANS WHEN TRENCHING TO AVOID TREES AND SHRUBS.
- ALL MAINLINE PIPING SHALL BE BURIED TO A MINIMUM DEPTH OF 24" OF COVER. ALL LATERAL PIPING SHALL BE BURIED TO A MINIMUM DEPTH OF 18" OF COVER.
- ALL POP-UP ROTORS AND SPRAYS SHALL BE INSTALLED USING AN 18" PVC FLEX PIPE CONNECTION. DO NOT USE FUNNY PIPE.
- ADJUST ALL NOZZLES TO REDUCE WATER WASTE ON HARD SURFACES & BLDG. WALLS. THROTTLE ALL VALVES ON SHRUB LINES AS REQUIRED TO PREVENT FOGGING.
- ALL CONTROL WIRE SPLICES SHALL BE MADE IN VALVE BOXES USING KING "ONE STEP" CONNECTORS AND SEALANT WITH WIRE NUTS.
- THE CONTRACTOR SHALL PREPARE AN AS-BUILT DRAWING ON A REPRODUCIBLE PAPER (SEPIA OR MYLAR) SHOWING ALL IRRIGATION INSTALLATION. A MYLAR OR SEPIA OF THE ORIGINAL PLAN CAN BE OBTAINED FROM THE ARCHITECT FOR A FEE. THE AS-BUILT DRAWING SHALL LOCATE ALL MAINLINE AND VALVES BY SHOWING EXACT MEASUREMENTS FROM HARD SURFACES.
- ALL VALVES, GATE VALVES AND QUICK COUPLERS SHALL BE INSTALLED IN VALVE BOXES. (PURPLE REUSE TYPE)
- 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.
- THE EXACT HEIGHT OF ANY 12" POP-UP THAT IS SHOWN IN A SHRUB BED SHALL BE DETERMINED BY THE ARCHITECT IN THE FIELD.
- 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 HIS WORK.
- 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)
- ELECTRICAL SERVICE TO ALL EQUIPMENT SHALL BE PROVIDED TO THE EQUIPMENT LOCATION AS PART OF THE ELECTRICAL PLANS.



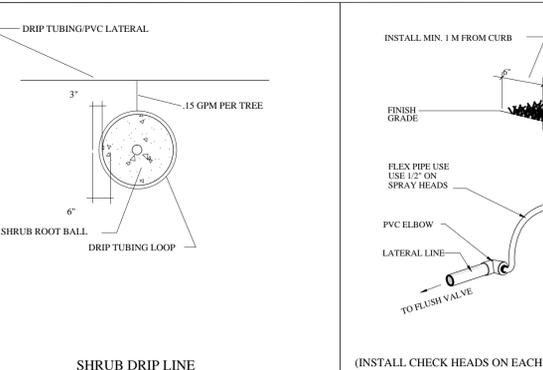
**DRIP TUBING NOTES**

- INSTALL ALL DRIP TUBING 1" UNDER GROUND. USE U-SHAPED WIRE STABILIZERS TO HOLD THE LINES IN PLACE.
- KEEP ALL DRIP LINE CLEAN AT ALL TIMES BEFORE THE FINAL CONNECTION. TAPE ALL TUBE ENDS OR USE DIRT CAPS.
- AVOID SHARP BENDS IN THE TUBING. DO NOT BEND THE TUBING WITH LESS THAN A 12" RADIUS.
- ALL DRIP TUBING SHALL HAVE UNIFORM SPACING AND BURIAL DEPTH.
- INSTALL DRIP TUBING TO ALL AREAS THAT SHALL RECEIVE PLANT MATERIAL. SEE THE LANDSCAPE PLAN FOR THE EXACT LOCATIONS.
- SPACE TUBING AS NOTED ON THE PLAN. THE PLAN DOES NOT ALWAYS SHOW ALL DRIP TUBING. THE PLAN LAYOUT IS SHOWN FOR CLARITY ONLY.
- REFER TO THE TORO NETAFIM DRIP INSTALLATION MANUAL FOR INSTALLATION INSTRUCTIONS.
- ALWAYS FLUSH ALL LINES BEFORE FINAL CONNECTION.
- REFER TO THE LANDSCAPE PLAN TO AVOID LAYOUT WHERE TREES SHALL BE INSTALLED INSIDE PLANT BEDS.
- ALL MAINLINE SHALL BE BURIED TO A MINIMUM DEPTH OF 24".
- ALL CONTROL WIRES SPLICES SHALL BE MADE IN VALVE BOXES USING SNAP-TITE CONNECTORS AND SEALANT. ALL WIRE SHALL BE 14 GAUGE, EXCEPT WHERE NOTED OTHERWISE.
- ANY PIPING SHOWN OUTSIDE THE PROPERTY LINE OR RUNNING OUTSIDE THE LANDSCAPE AREA IS SHOWN THERE FOR CLARITY ONLY.
- THE CONTRACTOR SHALL EXERCISE CARE SO AS NOT TO DAMAGE ANY EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS OF ANY DAMAGE CAUSED BY HIS WORK.
- INSTALL ALL AIR RELIEF AND FLUSH VALVES INSIDE A VALVE BOX.
- CLEARLY AND NEATLY MARK THE TOP OF EACH VALVE BOX WITH THE TYPE OF EQUIPMENT THAT IT CONTAINS. (E. VALVE, FLUSH VALVE, ETC.)
- THE VALVE ASSEMBLY SHALL BE PLACED INSIDE A VALVE BOX. THE VALVE SHALL BE INSTALLED FIRST, FOLLOWED BY A PVC UNION, 1" DIK-FILTER (OR AS NOTED ON THE PLAN), AND A PRESSURE REGULATOR (30 PSI), IN THAT ORDER. INSTALL A 6" LAYER OF PEA GRAVEL IN THE BASE.
- THE DRIP TUBING SHALL HAVE EMITTERS EVERY 12" AND SHALL BE SPACED 12" APART.
- FLUSH FILTER SIZES: 0-17 GPM-3/4", 18-26 GPM-1", 27-53 GPM-1 1/2"
- THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE HIS/HER WORK WITH THE LANDSCAPE CONTRACTOR.

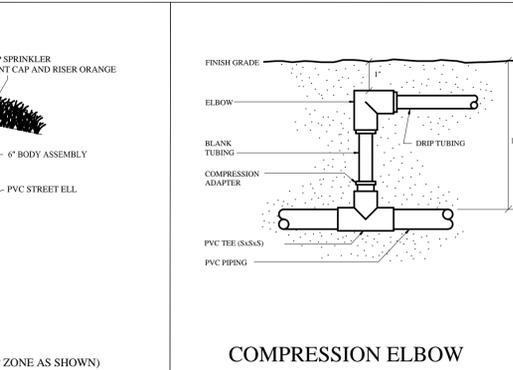
**XCZ-150-COM COMMERCIAL CONTROL ZONE KIT**



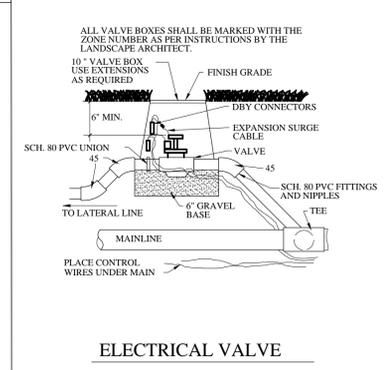
**DRIP TUBING**



**PLANTER AREA W/ GROUND COVER PLANTING**



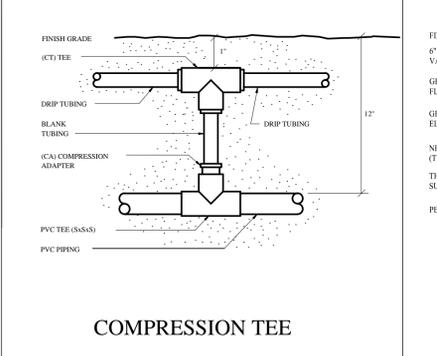
**MANUAL DRAIN VALVE**



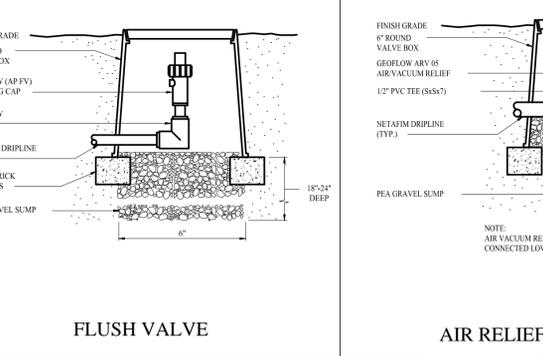
**IRRIGATION LEGEND**

- RAINBIRD 1404 SERIES BUBBLER - 1.0 GPM/FEET TO LATERAL LINE PIPE SIZES FOR ZONE INSTALLATION. RUN CHECK HEAD - SEE DRIP DETAIL.
- RAIN BIRD XCZ-150 COM ZONE CONTROL KIT. INSTALL IN CARSON JUMBO RECTANGLE VALVE BOX.
- RAIN BIRD 100/150/200 PEB-PS-D ELECTRIC VALVE. INSTALL IN A CARSON OR EQUAL VP-10" VALVE BOX. 0.24 GPM/1"
- RAIN BIRD #3RC QUICK COUPLING VALVE/SUPPLY 1-33DK KEY & HOSE SWIVEL PER 5 Q.C. VALVES EACH PLANTING AREA SHOWN AS DRIP TUBING SHALL HAVE ROWS 12" O.C. OF NETAFIM TECHLINE CV DRIP TUBING. THE DRIP TUBING SHALL BE INSTALLED ON GRADE, SECURED WITH NETAFIM TL56 GALVANIZED SOIL STAPLES, AND THEN COVERED WITH MULCH. THE DRIP LINE SHALL BE LOCATED TO ALLOW FOR PROPER COVERAGE OF ALL PLANT MATERIAL. NETAFIM BARBED FITTINGS SHALL BE USED ON ALL DRIPLINE JOINTS AND ENDS. SEE DETAIL.
- NETAFIM TECHLINE CV DRIP TUBING WITH EMITTERS. INSTALL AS PER DETAILS.
- GEOFLOW (AP FV) FLUSH VALVE/OR EQUAL/ INSTALL AS PER DETAILS.
- GEOFLOW (ARV 05 ) AIR VACUUM RELIEF VALVE/ OR EQUAL/INSTALL AS PER DETAILS.
- CLASS 200 PVC LATERAL LINE- SIZE AS SHOWN ON LATERAL LINE PIPE SIZE CHART.
- HUNTER I-20-ADV-3.0 ROTOR HEAD - 3 GPM.
- RAINBIRD 1800 SERIES 6" POP-UP.
- SCH. 40 SLEEVE (MINIMUM OF 24" DEPTH AND 2 SIZES LARGER THAN THE PIPE SIZE OR AS LABELED ON THE PLAN).
- 1.5" CLASS 200 PVC MAINLINE.
- CONTROLLER-HUNTER ICC-1200M 12 STATION/ WALL MOUNT. AS SHOWN ON THE PLAN, INSTALL MINI-CLICK IN RAIN SENSOR & FREEZE CLICK SENSOR GROUND WITH MINIMUM (2) 8 COPPER CLAD RODS. SLEEVE TO AS REQUIRED. PROVIDE HUNTER SOLAR SYNC SENSOR.
- BACKFLOW PREVENTER-1.5" REDUCED PRESSURE AND HOT BOX (E21) OR TYPES AS REQUIRED BY LOCAL CODE.
- PRESSURE REDUCING VALVE-2" WATTS (INSTALL IF REQUIRED).

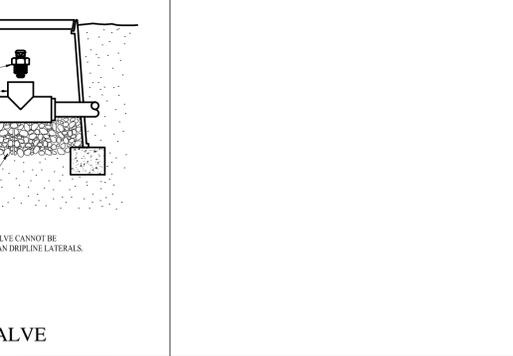
**TREE DRIP LINE**



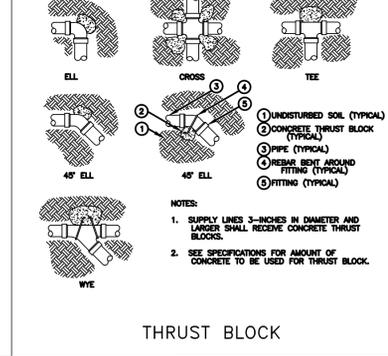
**SHRUB DRIP LINE**



**COMPRESSION ELBOW**



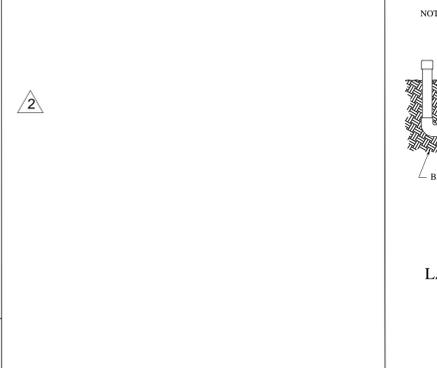
**ELECTRICAL VALVE**



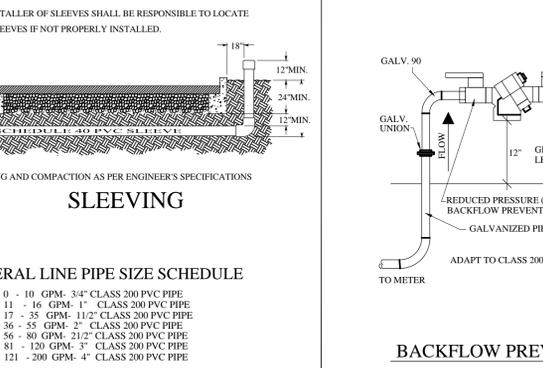
**LATERAL LINE PIPE SIZE SCHEDULE**

0 - 10 GPM - 3/4" CLASS 200 PVC PIPE
11 - 16 GPM - 1" CLASS 200 PVC PIPE
17 - 35 GPM - 1 1/2" CLASS 200 PVC PIPE
36 - 55 GPM - 2" CLASS 200 PVC PIPE
56 - 80 GPM - 2 1/2" CLASS 200 PVC PIPE
81 - 120 GPM - 3" CLASS 200 PVC PIPE
121 - 200 GPM - 4" CLASS 200 PVC PIPE

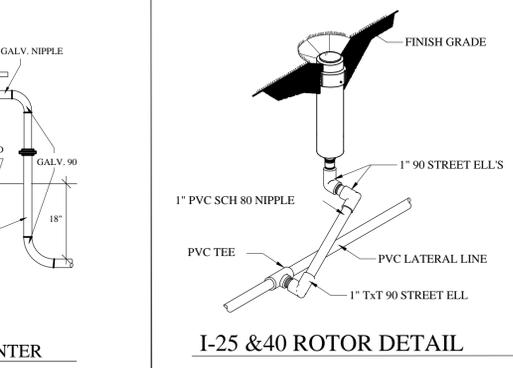
**COMPRESSION TEE**



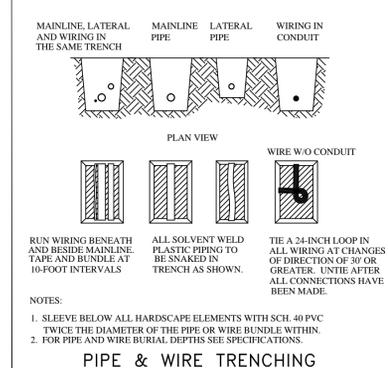
**FLUSH VALVE**



**AIR RELIEF VALVE**



**THRUST BLOCK**



**SLEEVEING**



**BACKFLOW PREVENTER**



**I-25 & 40 ROTOR DETAIL**



**PIPE & WIRE TRENCHING**



**MINI-CLICK INSTALLATION DETAIL**



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#	DATE	REVISIONS	BY
1	02/02/16	IRR. AND PLANTERS	RM

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**COOPER'S HAWK WINERY & RESTAURANT**  
 AT THE PROMENADE AT COCONUT CREEK  
 JURISDICTION: CITY OF COCONUT CREEK  
 LANDLOT: SECTION 18, TOWNSHIP 48 SOUTH, RANGE 42 EAST, BROWARD COUNTY  
 LOCATION: PROMENADE AT COCONUT CREEK 4473 LYONS ROAD COCONUT CREEK, FL 33073

**IRRIGATION DETAILS**  
 JOB NO: 15-187 SHEET IR-2  
 DATE: 11/06/15 PLAN REVIEW

