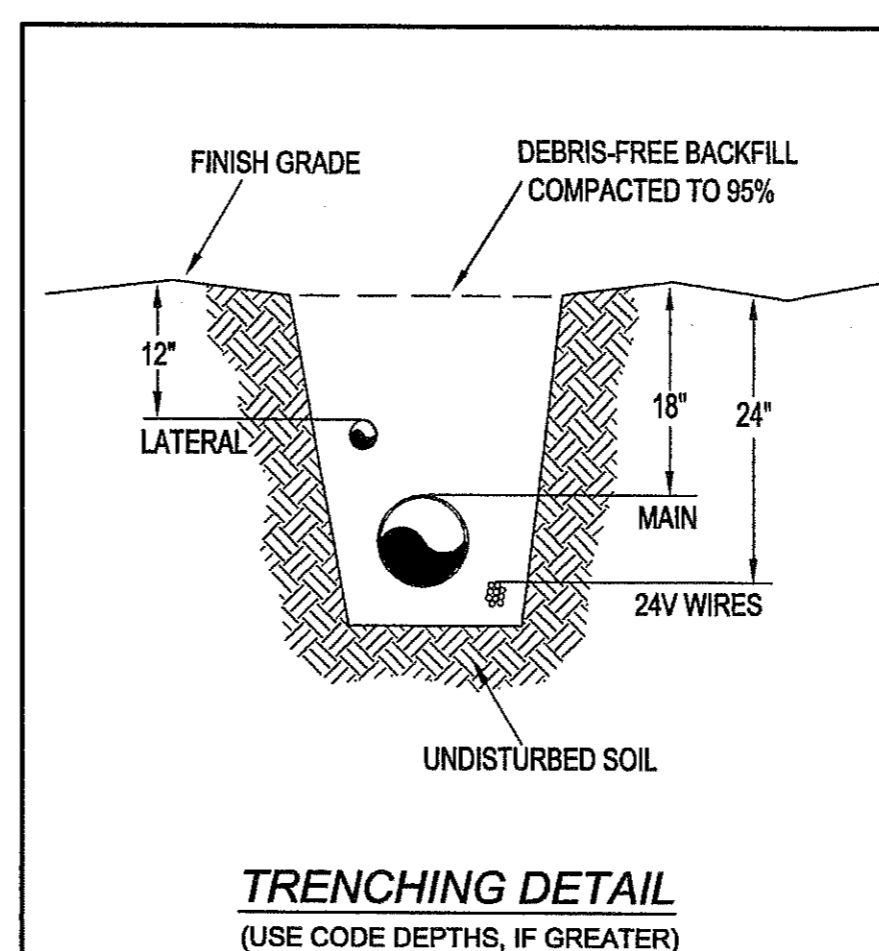
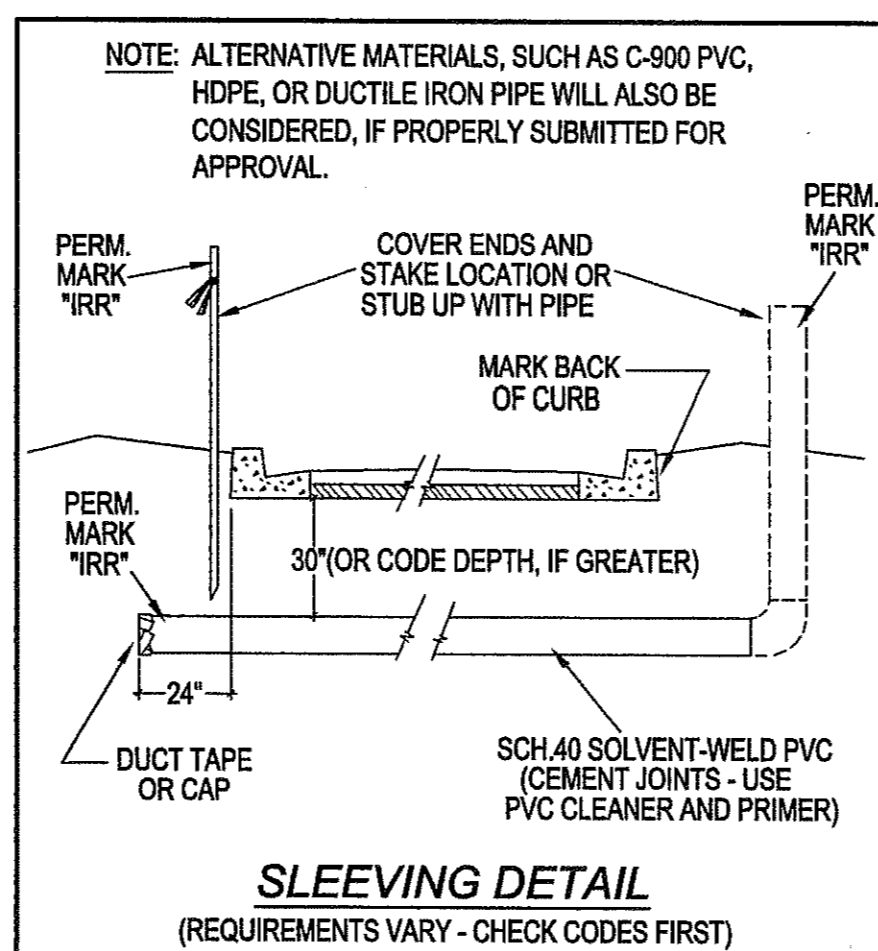
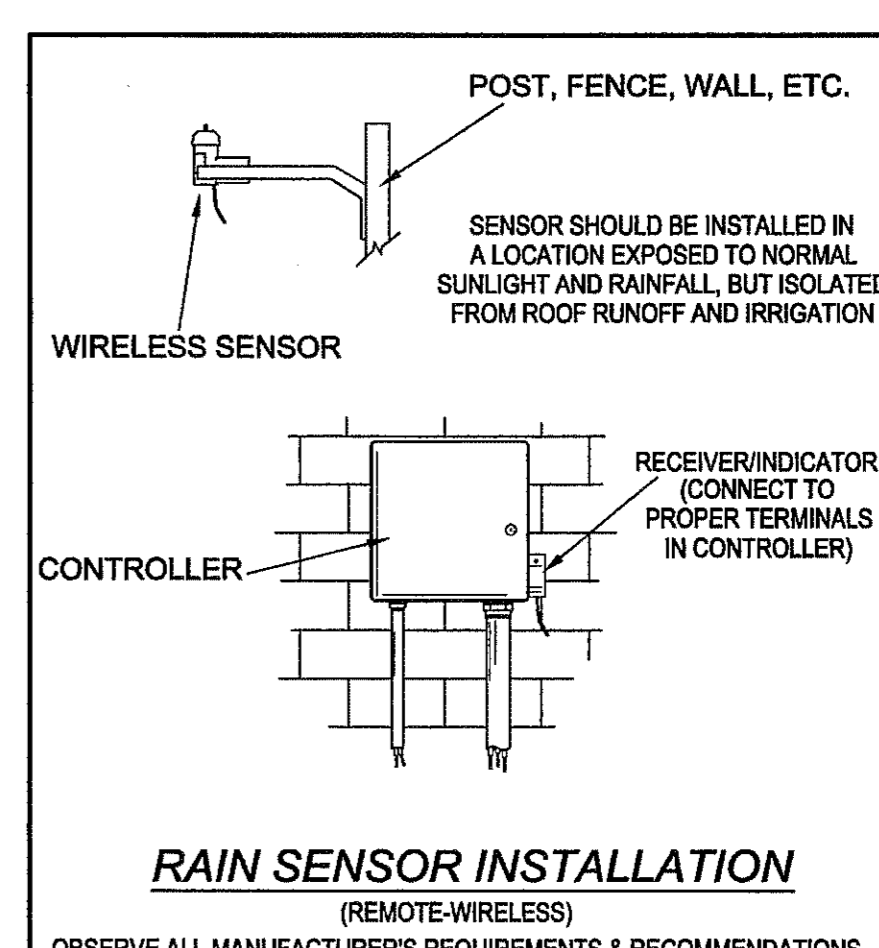
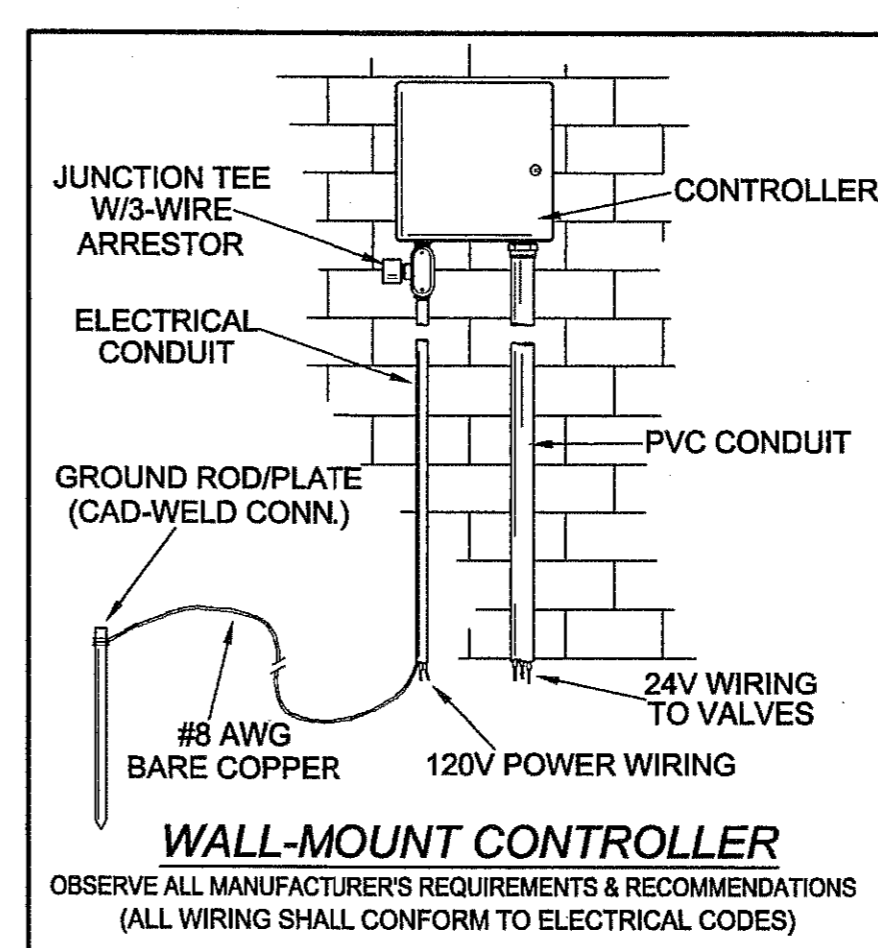
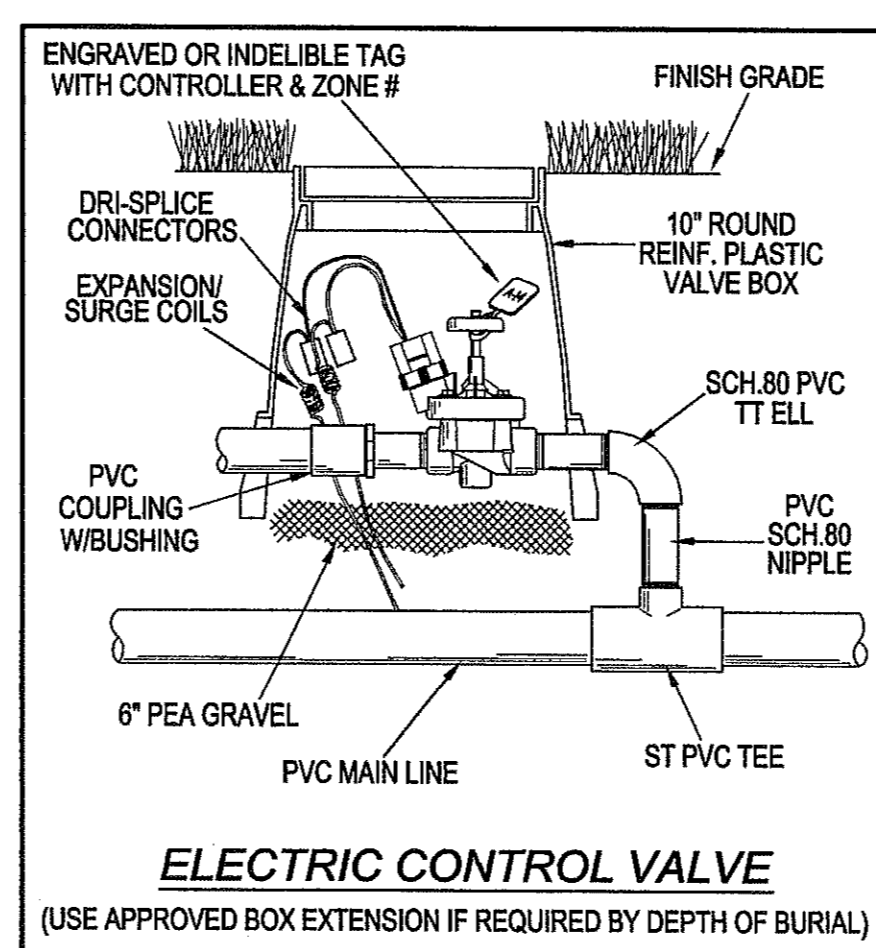
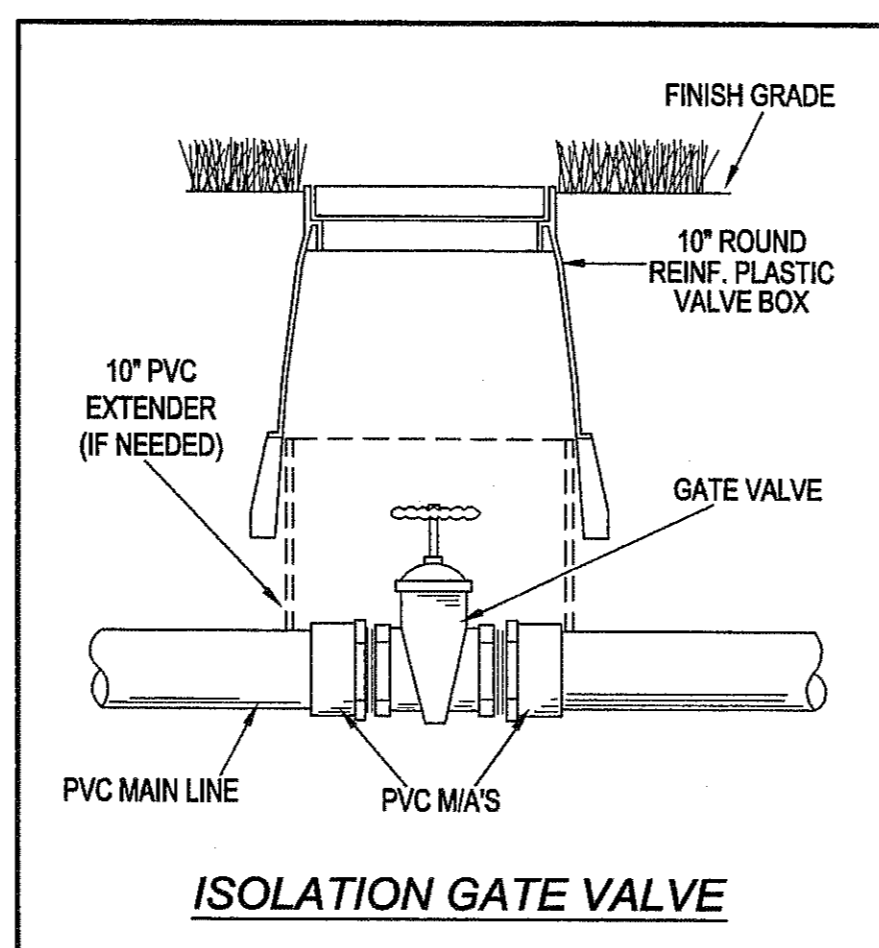
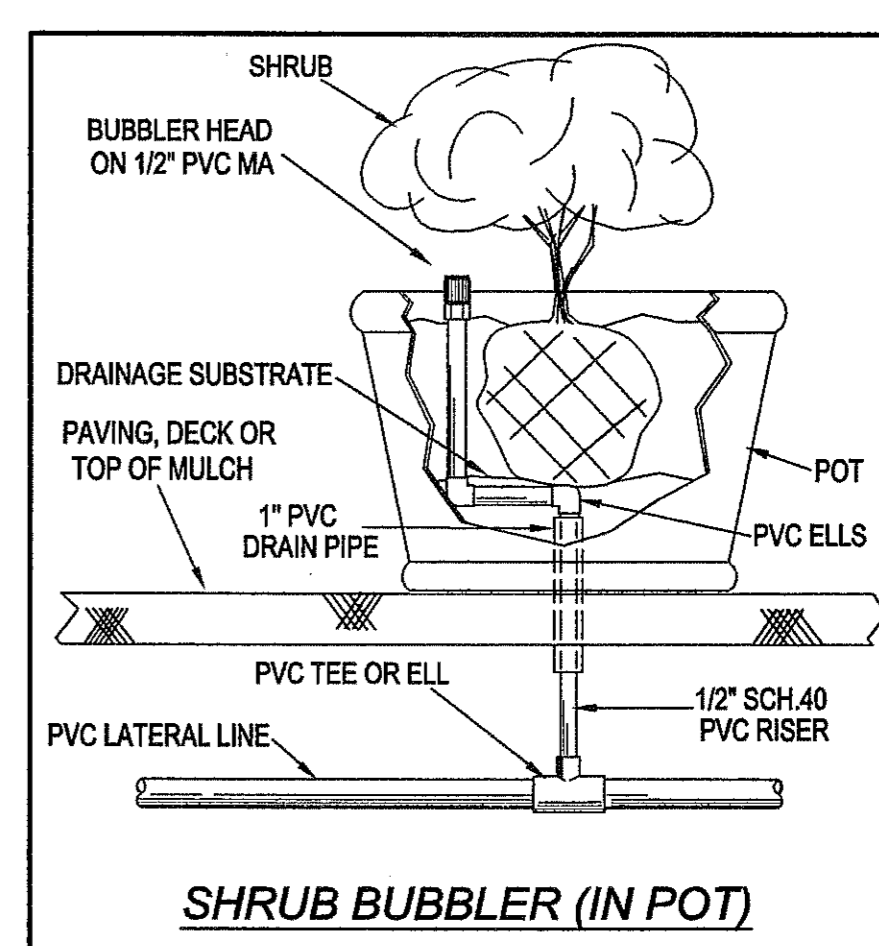
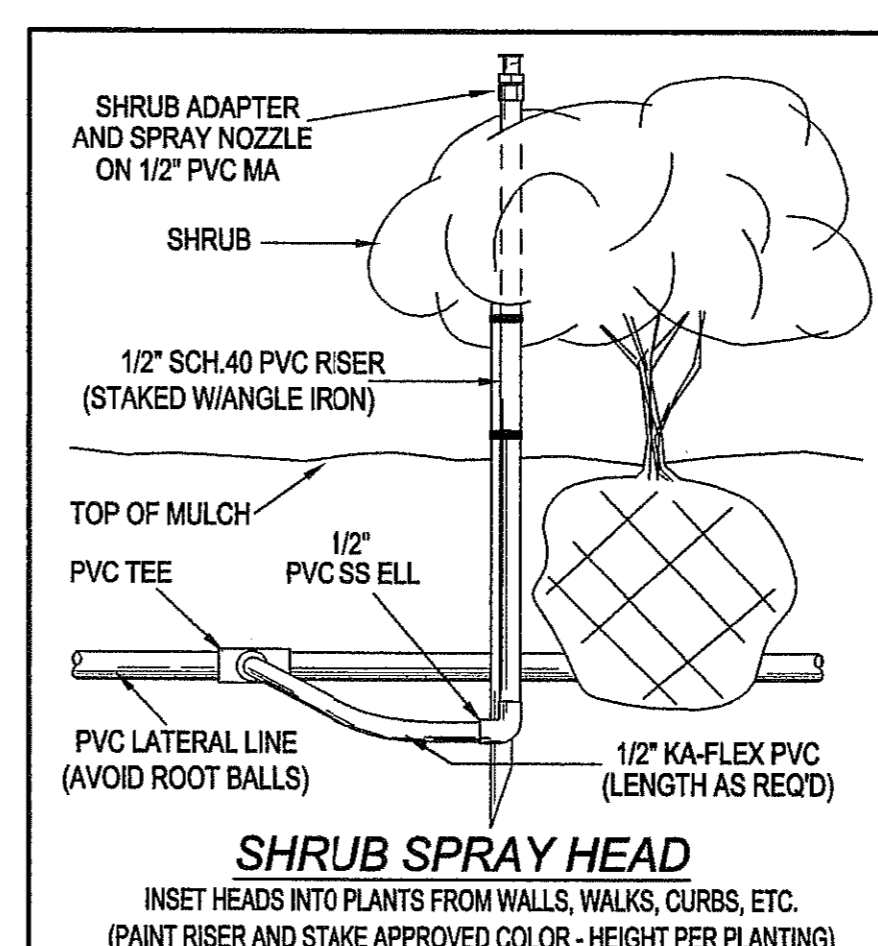
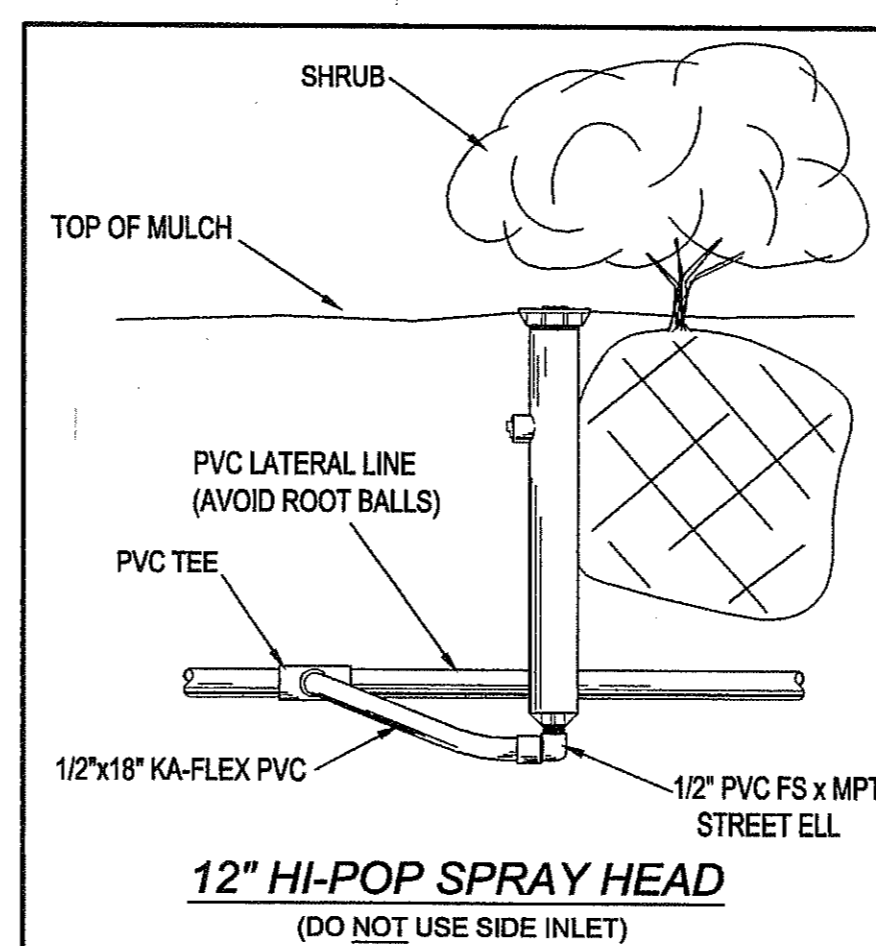
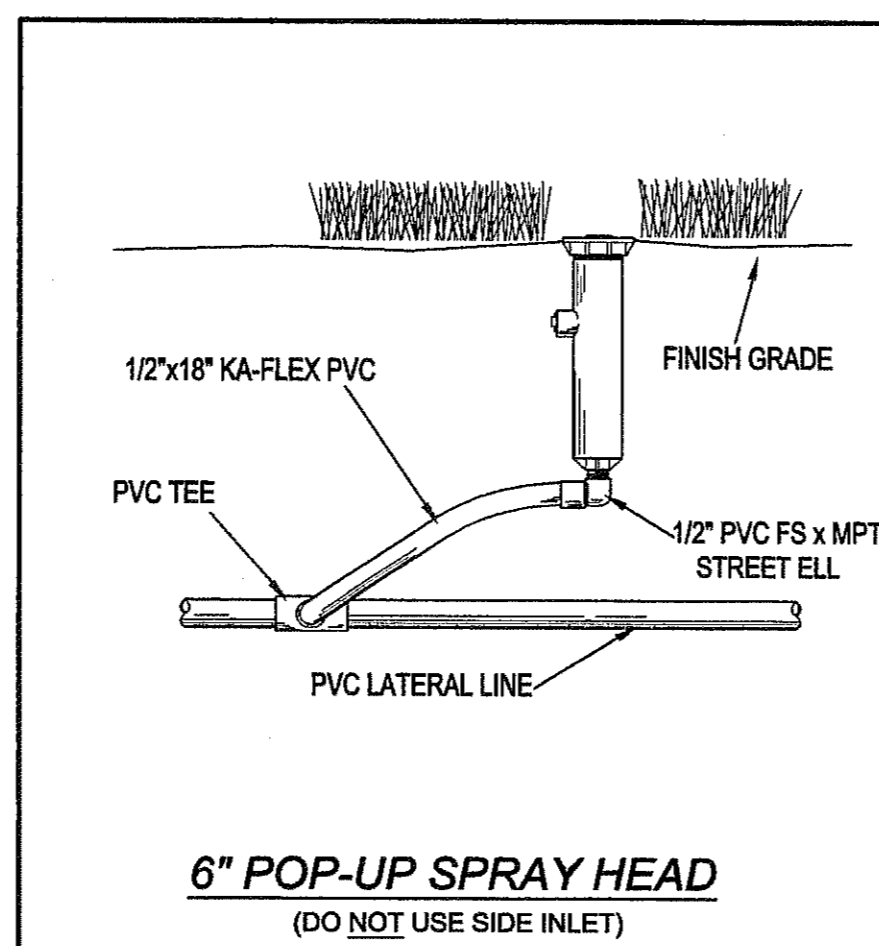


SYMBOLS LEGEND

- HUNTER FROS-06-CV 6" POP-UP SPRAY HEAD
- HUNTER FROS-12-CV 12" HI-POP SPRAY HEAD
- HUNTER FROS-00-CV SHRUB SPRAY HEAD
- HUNTER FCB-10 1.0-GPM BUBBLER HEAD
- ⊕ HUNTER ICV-10IG 1" ELECTRIC VALVE
- NIBCO BRASS GATE VALVE, 1 1/4"
- ⓐ HUNTER PRO-C 12-STA. ELECTRIC CONTROLLER
- Ⓜ DOMESTIC IRRIGATION METER (MINIMUM 26-GPM)
- ⓑ APPROVED 1/4 R.P. BACKFLOW PREVENTER
- ⊗ SCH.40 PVC PAVEMENT SLEEVE, SIZE AS NOTED
- 1/4" P180 PVC S.W. MAINLINE PIPING
- P180 PVC S.W. LATERAL PIPING

GENERAL NOTES

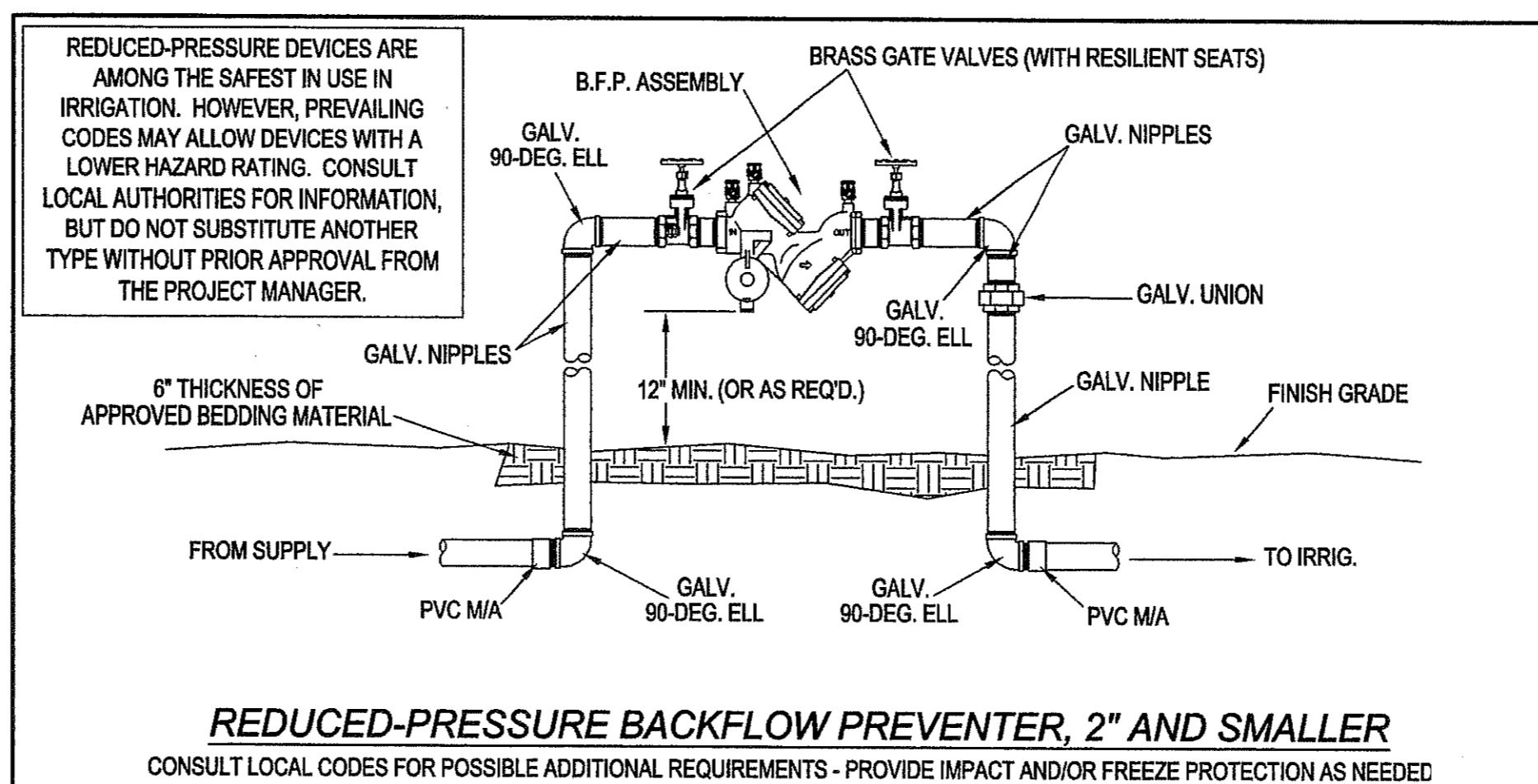
- THE DRAWINGS ARE TO BE CONSIDERED DIAGRAMMATIC, AS IT MAY NOT HAVE BEEN POSSIBLE TO ACCURATELY DEPICT THE EXACT LOCATIONS FOR ALL MATERIAL, OR ALL JOBSITE ELEMENTS. THE INSTALLER SHALL BE EXPECTED TO MAKE MINOR ADJUSTMENTS ON THE SITE AS NEEDED, IN ORDER TO MAINTAIN COMPLETE AND ACCURATE COVERAGE, AND MAINTAIN THE INTENT OF THE DESIGN. MODIFICATIONS WHICH INCREASE THE SPACING OF HEADS, OR DECREASE THE SIZING OF PIPE, SHALL NOT BE MADE WITHOUT PRIOR CONSENT OF THE PROJECT MANAGER. THE FINAL LOCATIONS FOR ALL MAJOR EQUIPMENT, INCLUDING CONTROLLERS, VALVES, SUPPLY CONNECTIONS, MAINLINES, ETC. SHALL BE DETERMINED IN THE FIELD, STAKED OUT BY THE CONTRACTOR, USING THE DRAWINGS AS A GUIDE, AND APPROVED PRIOR TO INSTALLATION.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH PREVAILING CODES AND REGULATIONS. ALTHOUGH DUE DILIGENCE HAS BEEN EXERCISED IN THE PREPARATION OF THE DOCUMENTS TO AVOID CONFLICTS, IT SHALL REMAIN THE RESPONSIBILITY OF THE INSTALLER FOR VERIFICATION AND CONFORMANCE TO THE PARTICULAR CODES FOR THIS LOCATION. THE INSTALLER SHALL OBTAIN ANY NECESSARY PERMITS, LOCATES, AND INSPECTIONS.
- ALL WORK SHALL BE CLOSELY COORDINATED WITH THAT OF OTHER TRADES, IN ORDER TO AVOID CONFLICTS. THE INSTALLATION SHALL BE COORDINATED WITH ALL NEW AND EXISTING IMPROVEMENTS, AND WITH THE ACTUAL INSTALLED BEDLINES, 80D LIMITS, AND PLANT LOCATIONS.
- THE INSTALLER SHALL BE FAMILIAR WITH ALL APPLICABLE DOCUMENTS, INCLUDING ANY WRITTEN SPECIFICATIONS THAT MAY HAVE BEEN ISSUED. ANY CONFLICT FOUND BETWEEN THE VARIOUS DOCUMENTS SHALL BE SUBMITTED IN WRITING TO THE PROJECT MANAGER FOR DETERMINATION.
- ALL MATERIAL AND LABOR NECESSARY TO PROVIDE A COMPLETE, FULLY OPERATIONAL, AND GUARANTEED SYSTEM SHALL BE CONSIDERED PART OF THE WORK, WHETHER OR NOT THEY ARE SPECIFICALLY INDICATED IN THE DOCUMENTS. THIS SHALL INCLUDE CONFORMANCE TO THE REQUIREMENTS AND RECOMMENDATIONS OF THE VARIOUS MANUFACTURERS OF THE EQUIPMENT, AND TO APPLICABLE TRAINING AND CERTIFICATION OF INSTALLATION PERSONNEL.
- UNLESS SPECIFICALLY STATED TO THE CONTRARY, PIPING AND WIRING PASSING UNDER PAVED OR OTHER IMPERVIOUS SURFACES SHALL BE INSTALLED IN SLEEVING OF ADEQUATE SIZE AND STRENGTH. SIDEWALKS AND DECKS AND TURF PAVERS SHALL REQUIRE SLEEVING, EVEN IF NOT SHOWN ON THE DRAWINGS. CONTROL WIRING MAY BE RUN WITHIN A LARGER SLEEVE WITH MAINLINE PIPING, BUT ONLY IF PROTECTED BY A SMALLER CONDUIT. WIRE MAY NOT BE TAPED TO THE MAINLINE IN LIEU OF THIS CONDUIT, AS ABRASION OF THE WIRE JACKET IS LIKELY TO OCCUR.
- SLEEVES UNDER PARKING AND DRIVEWAYS MAY BE THE RESPONSIBILITY OF OTHER THAN THE IRRIGATION CONTRACTOR (SUCH AS THE PAVING OR SITE CIVIL CONTRACTOR). CONSULT OTHER DOCUMENTS FOR ADDITIONAL INFORMATION. ANY NEEDED SLEEVE WHICH EITHER CANNOT BE FOUND OR IS DAMAGED BEYOND PRACTICAL USE SHALL BE REPORTED TO THE PROJECT MANAGER IMMEDIATELY, ALONG WITH RECOMMENDATIONS FOR CORRECTIVE ACTION. SLEEVES UNDER SIDEWALKS, DECKS, ETC. ARE NORMALLY INSTALLED BY THE IRRIGATION CONTRACTOR.
- CONTROL WIRING SHALL BE ROUTED WITH THE MAINLINE WHENEVER POSSIBLE. OTHERWISE, WIRING SHALL BE PROTECTED WITH PVC CONDUIT OF SUITABLE SIZE, AND PULL BOXES AT RECOMMENDED INTERVALS. LOW VOLTAGE WIRING SHALL BE TYPE "UF" WITH PVC JACKET. MULTI-CONDUCTOR OR NON-PVC JACKETS SHALL NOT BE PERMITTED WITHOUT PRIOR APPROVAL OF THE PROJECT MANAGER. UNLESS STATED TO THE CONTRARY, ZONE "HOT" WIRES SHALL BE SIZE 14-1, COLORED RED. SPARE WIRES, A MINIMUM OF TWO OF WHICH SHALL BE RUN FROM THE CONTROLLER TO THE FARTHEST ZONE VALVE IN EACH DIRECTION, SHALL BE 14-1, BLUE IN COLOR. VALVE COMMON WIRES SHALL BE 12-1, WHITE IN COLOR. WIRE SPLICES FOR ELECTRIC VALVES SHALL BE OF APPROVED TYPE. SPEARS "DRI-SPLICE" CONNECTORS AND SEALANT ARE THE PREFERRED CONNECTORS, BUT "KING NUTS" OR OTHER TYPES MAY BE SUBMITTED AS AN ALTERNATE. THE INSTALLER SHALL INSTALL ALL WIRING WITH ADEQUATE SLACK, SNAKED IN TRENCHES, BUNDLED AT TEN FOOT INTERVALS, AND WITH SURGE/EXPANSION COILS AT THE VALVES AND THE CONTROLLER LOCATION.
- ALL SPRINKLER HEADS SHALL BE OF THE PROPER SIZE AND TYPE FOR THE LOCATION AND PLANT MATERIAL. HEADS SHALL BE INSTALLED IN THE DESCRIBED MANNER, PLUMB, AND WITH THE PROPER HEIGHT WITH RESPECT TO GRADE AND/OR PLANT MATERIAL. ALL PAVING, CURBS, SIDEWALKS, WALLS, AND OTHER OBSTACLES, SO THAT DAMAGE TO EQUIPMENT DOES NOT OCCUR DURING NORMAL LANDSCAPE MAINTENANCE OPERATIONS. ALL SPRINKLERS SHALL BE ADJUSTED TO OBTAIN OPTIMAL COVERAGE OF PLANT MATERIAL, WHILE MINIMIZING OVERSPRAY ONTO WINDOWS, WALLS PAVING OR OTHER IMPERVIOUS SURFACES, PARTICULARLY WOODWORK AND/OR TRIM. THE INSTALLER SHALL UTILIZE THE PROPER SPRAY NOZZLE PATTERN FOR THE LOCATION, AS WELL AS PRESSURE-COMPENSATING HEADS OR SCREENS, AND ADJUSTABLE-PATTERN NOZZLES WHERE A FIXED PATTERN IS NOT SUITABLE TO CONTROL COVERAGE OR OVERSPRAY.
- RISER-MOUNTED HEADS SHALL BE INSTALLED WITHIN THE FIRST ROW OF PLANT MATERIAL, SO THAT THE HEAD IS PROTECTED AND CONCEALED BY THE MATERIAL. IT MAY BE REQUIRED TO RELOCATE HEADS NOT CONFORMING TO THIS STIPULATION AFTER PLANTS ARE INSTALLED. THIS SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER. RISERS SHALL BE STAKED AS SHOWN IN THE DETAILS, AND PAINTED A DURABLE FLAT COLOR, TO BE AGREED UPON BY THE PARTIES.
- THE CONTROLLER SHALL REQUIRE A STANDARD 120-VAC POWER FEED, WHICH SHALL BE COORDINATED BY THE INSTALLER AND HOOKED UP BY A LICENSED ELECTRICIAN. IT IS PREFERRED THAT A DEDICATED CIRCUIT BE PROVIDED FOR THIS CONNECTION. A 3-WIRE POWER INPUT SURGE ARRESTOR SHALL BE PROVIDED ON THE POWER FEED, AND A DEDICATED GROUND ROD/PLATE NETWORK (SEE DETAIL) SHALL BE INSTALLED, HAVING A MEASURED EARTH GROUND RESISTANCE OF NOT GREATER THAN TEN (10) OHMS.
- THE CONTROLLER SHALL BE EQUIPPED WITH A PROPERLY LOCATED AND INSTALLED RAIN SHUTOFF SENSOR DEVICE (MINI-CLICK REMOTE, UNLESS NOTED OTHERWISE) AS REQUIRED BY FLORIDA LAW. THE SENSOR SHALL BE LOCATED IN SUCH A MANNER SO THAT IT IS UNOBSTRUCTED AND DIRECTLY EXPOSED TO NATURAL RAINFALL AND SUNLIGHT FROM ALL DIRECTIONS, BUT NOT TO RUNOFF WATER FROM ROOFS, ETC.
- THE MINIMUM SUPPLY REQUIREMENT FOR THE SYSTEM AS DESIGNED IS 26-GPM AT 55-PSI.
- THE INSTALLER SHALL BE EXPECTED TO BE FAMILIAR WITH ALL REQUIREMENTS FOR THE WORK, AND TO CONDUCT HIS WORK IN A CLEAN, SAFE, AND WORKMANLIKE MANNER. THE OWNER RESERVES THE RIGHT TO ACT TO PROTECT HIS PROPERTY AND THE OTHER PERSONNEL AT WORK THERE, AND TO MAKE EMERGENCY REPAIRS OR TAKE CORRECTIVE ACTION IF THE INSTALLER DOES NOT FULFILL HIS OBLIGATIONS IN A TIMELY MANNER. THE OWNER FURTHER RESERVES THE RIGHT TO BACK-CHARGE THE INSTALLER TO COVER SUCH EXPENSES, TO THE EXTENT ALLOWED UNDER APPLICABLE LAW.



HUNTER/RAIN BIRD NOZZLE SELECTION CHART

PATTERN	GPM	RADIUS
A 15F FULL	3.70	15'
B 15T0 THREE QUARTER	2.78	15'
C 15T1 TWO THIRD	2.48	15'
D 15H HALF	1.85	15'
E 15T THIRD	1.23	15'
F 15Q QUARTER	.93	15'
G 15EST END STRIP	.61	4'x15'
H 15CST CENTER STRIP	1.21	4'x30'
J 15EST SIDE STRIP	1.21	4'x30'
K 12F FULL	2.60	12'
L 12T0 THREE QUARTER	1.95	12'
M 12T1 TWO THIRD	1.74	12'
N 12H HALF	1.30	12'
P 12T THIRD	.87	12'
R 12Q QUARTER	.65	12'
S 10F-LA FULL	1.57	10'
T 10H-LA HALF	.79	10'
U 10T-LA THIRD	.52	10'
V 10Q-LA QUARTER	.39	10'
W 8F-FLT FULL	1.57	8'
X 8H-FLT HALF	.79	8'
Y 8T-FLT THIRD	.52	8'
Z 8Q-FLT QUARTER	.39	8'

ALL PERFORMANCES SHOWN ARE AT 30 PSI



PROPERTY APPRAISER ID NUMBER 31-21-31-300-024A-0000

SEMINOLE COUNTY
APPROVED FOR CONSTRUCTION

THIS APPROVAL IS SUBJECT TO SPECIFIC CONFORMANCE TO THE SEMINOLE COUNTY LAND DEVELOPMENT CODE AND ANY SPECIAL REQUIREMENTS OF THE BOARD OF COUNTY COMMISSIONERS. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO CORRECT ANY DEFECTS IN THE PLANS OR THE FACILITY AS CONSTRUCTED WHICH RESULTS IN A FAILURE TO MEET APPLICABLE CODE REQUIREMENTS. ADMINISTRATIVE ACCEPTANCE OF THE DEVELOPER'S PLANS DOES NOT CONSTITUTE A WAIVER OF ANY CODE REQUIREMENTS NOR DOES IT RELIEVE THE DEVELOPER OF RESPONSIBILITY TO MEET THOSE REQUIREMENTS. THIS SPECIFIC APPROVAL IS VALID FOR A PERIOD OF ONE YEAR FROM THE DATE BELOW.

SEMINOLE COUNTY DEVELOPMENT REVIEW DEPARTMENT

DATE

Date: 10/7/09
 Drawn by: CRB
 Reviewed by: CL
 Job Number: 2945
 Revision: 12/1/09

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HARDSCAPE, LANDSCAPE & IRRIGATION PLANS

IRRIGATION Details & Notes

Sheet Number: **IR2.00**