

1 TYPICAL TRENCHING DETAILS  
NOT TO SCALE

INSTALL ALL PIPING SHOWN BETWEEN SAME PIPE SIZES AS THAT PIPE SIZE SIZED PIPE.

INSTALL PIPING DOWNSTREAM OF THE LAST MARKED PIPE AS 3/4" PIPE.

ANY IRRIGATION ITEMS NORMALLY INSTALLED IN LANDSCAPE AREAS THAT ARE SHOWN OUTSIDE OF LANDSCAPE AREAS OR OUTSIDE OF THE PROPERTY LINES ARE SHOWN AS SUCH FOR GRAPHIC CLARITY ONLY. INSTALL THESE ITEMS INSIDE OF PROPERTY LINES AND IN LANDSCAPE AREAS.

THIS SYSTEM (WITH FUTURE SYSTEM) REQUIRES 30 GPM AT 45 PSI AT THE POC. VERIFY GALLONAGE AND PRESSURE AND REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT BEFORE COMMENCING WITH THE INSTALLATION.

PROVIDE PROOF TO THE LANDSCAPE ARCHITECT THAT ALL AVAILABLE MAINTENANCE MANUALS FOR EACH OF THE PRODUCTS INCLUDED IN THIS INSTALLATION HAVE BEEN PROVIDED TO THE OWNER OR OWNER'S REPRESENTATIVE.

ADJUST THE IRRIGATION SYSTEM COMPONENTS AND EXISTING SYSTEM TO PROVIDE UNIFORM COVERAGE.

ASSURE THAT THE SYSTEM PROVIDES 100% COVERAGE OF ALL LANDSCAPE MATERIALS INCLUDING SHRUBS, GROUND COVER, TREES AND TURF.

ADJUST THE VERTICAL ORIENTATION OF SPRINKLERS ON SLOPES TO PROVIDE UNIFORM COVERAGE OF THE SLOPED AREA.

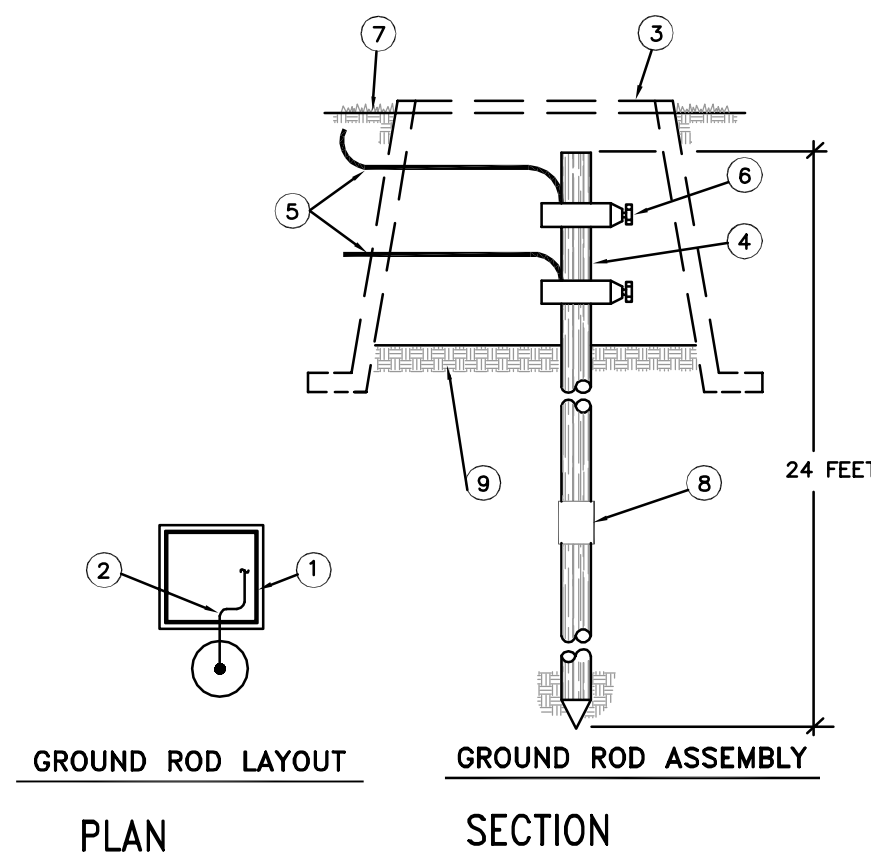
AFTER FINAL SYSTEM ADJUSTMENTS HAVE BEEN MADE, APPLY "SUPER GLUE" TO ALL VARIABLE ARC NOZZLES TO AID IN KEEPING THE ADJUSTMENT OF THE SPRAY. DO NOT APPLY THE GLUE IN AREAS THAT MIGHT UNDER THE ADJUSTMENT OR MAINTENANCE OF ANY SPRINKLER.

IRRIGATION HEADS SHALL BE LOCATED MINIMUM ONE (1) FOOT FROM ANY BUILDING.

IRRIGATION HEADS SHALL BE DIRECTED AWAY FROM BUILDING AT ALL TIMES, SO THAT SPRAY DOES NOT HIT BUILDING.

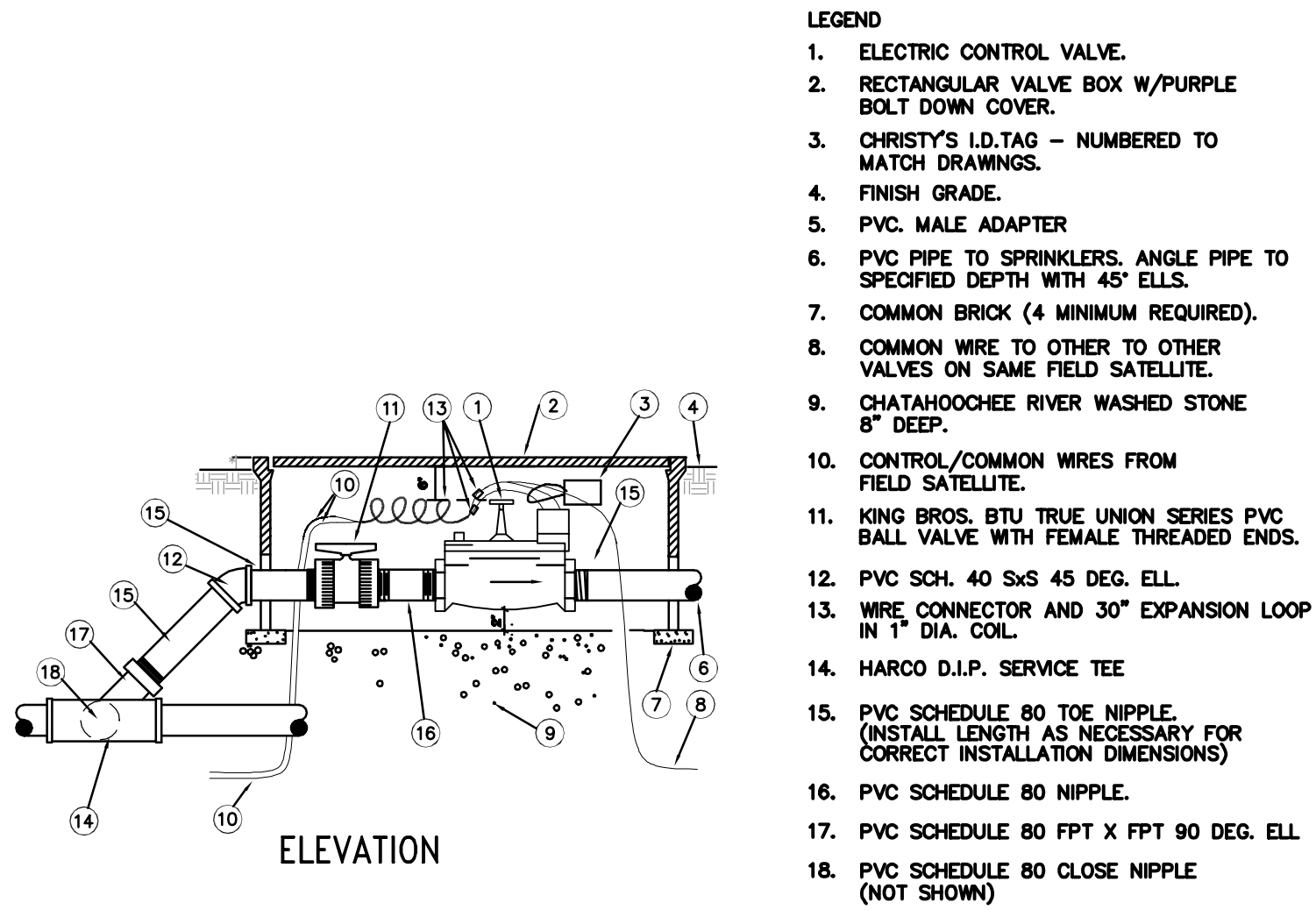
ANY EXISTING TREE ROOTS WHEN ENCOUNTERED DURING INSTALLATION OF UTILITIES, SHALL BE CUT OFF EVENLY WITH CLEAN SHARP PRUNING TOOLS AND COVERED WITH SOIL AS SOON AS POSSIBLE TO REDUCE DEHYDRATION. THE CONTRACTOR/DEVELOPER SHALL MINIMIZE THE DAMAGE TO EXISTING TREE ROOT SYSTEMS.

2 GENERAL NOTES  
NOTES

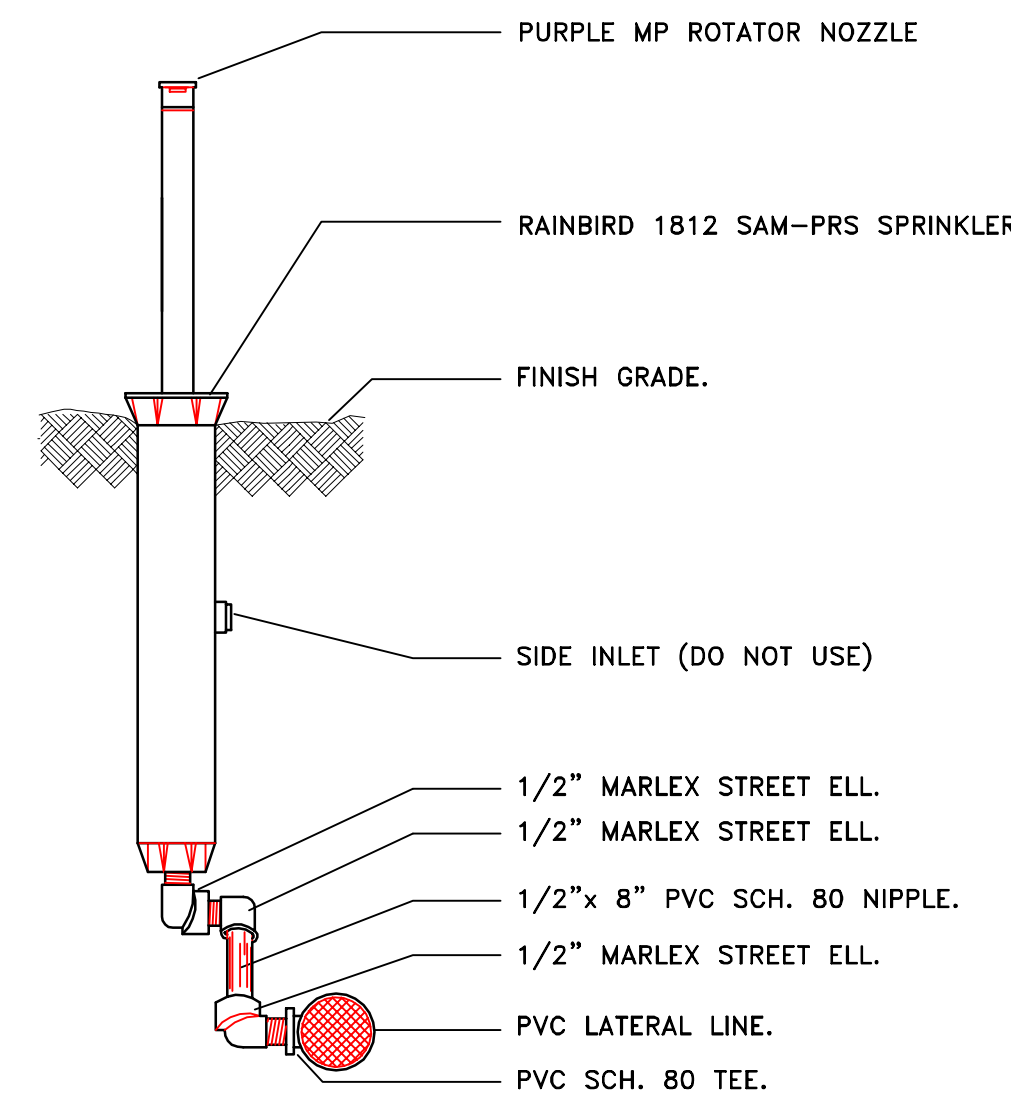


3 CONTROLLER GROUNDING GRID  
NOT TO SCALE

- LEGEND
1. FIELD SATELLITE OR CCU ASSEMBLY
  2. #6 AWG SOLID BARE COPPER WIRE FROM GROUNDING ROD TO SATELLITE OR CCU. MAKE WIRE AS SHORT AND STRAIGHT AS POSSIBLE.
  3. COVER GROUNDING ROD WITH 10" ROUND VALVE BOX.
  4. 5/8" x 8" COPPER CLAD GROUNDING ROD. INSTALL RODS IN SOIL VERTICALLY ON TOP OF EACH OTHER. GROUNDING TO HAVE A RESISTANCE OF 5 OHMS OR LESS. CONTRACTOR SHALL COUPLE A MINIMUM OF THREE (3) GROUNDING RODS TOGETHER FOR A TOTAL MINIMUM LENGTH OF 24 FEET.
  5. #6 AWG BARE COPPER BETWEEN GROUNDING RODS IF MULTIPLE ROD ASSEMBLIES ARE NEEDED.
  6. BRASS WIRE CLAMP. USE SEPARATE CLAMP FOR EACH WIRE.
  7. FINISH GRADE.
  8. COUPLING FOR JOINING GROUNDING RODS TOGETHER.
  9. GROUND IN ACCORDANCE WITH ASIC STANDARDS (WWW.ASIC.ORG)



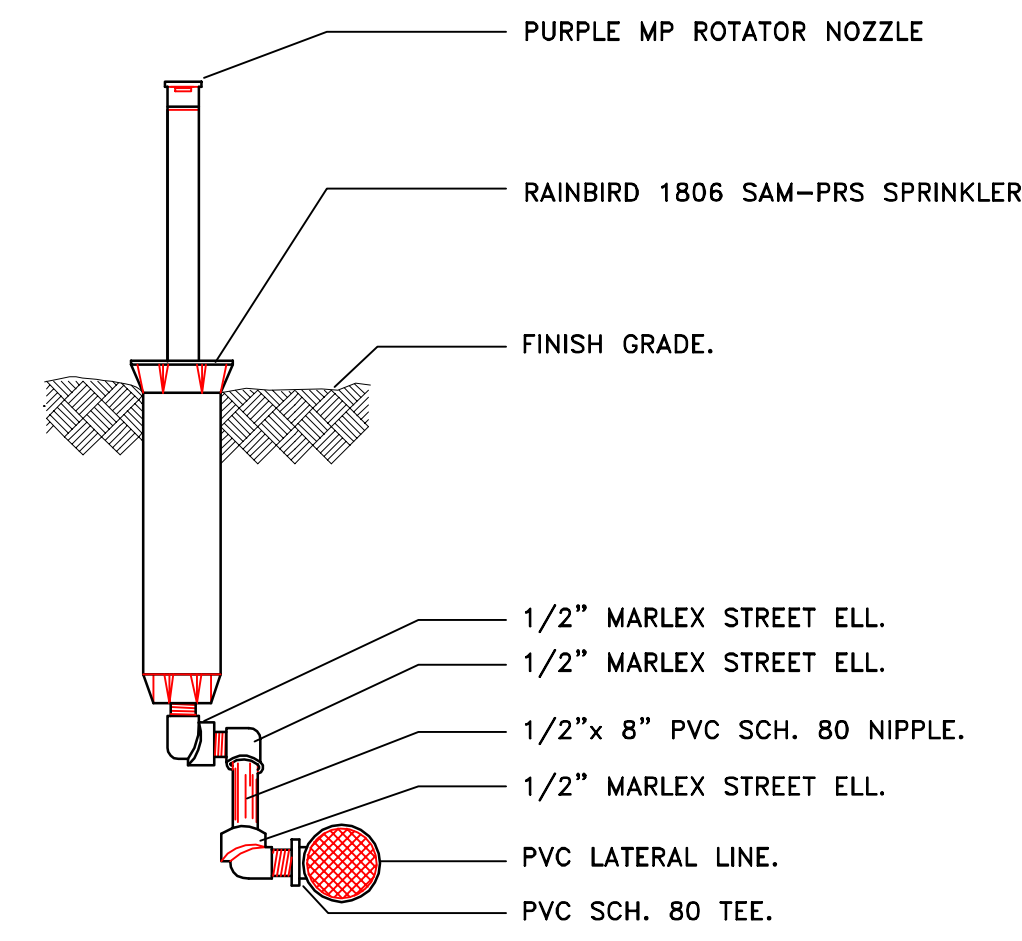
4 VALVE INSTALLATION  
NOT TO SCALE



5 1812 SPRAY HEAD AT GRADE  
NOT TO SCALE

NOTE: CONTRACTOR MAY, AT HIS OPTION, INSTALL A PIECE (22" OR LONGER) OF "FUNNY PIPE" (VIRGIN POLYETHYLENE) AND 2 BARB X THREAD ADAPTERS IN LIEU OF THE SWING JOINT SHOWN.

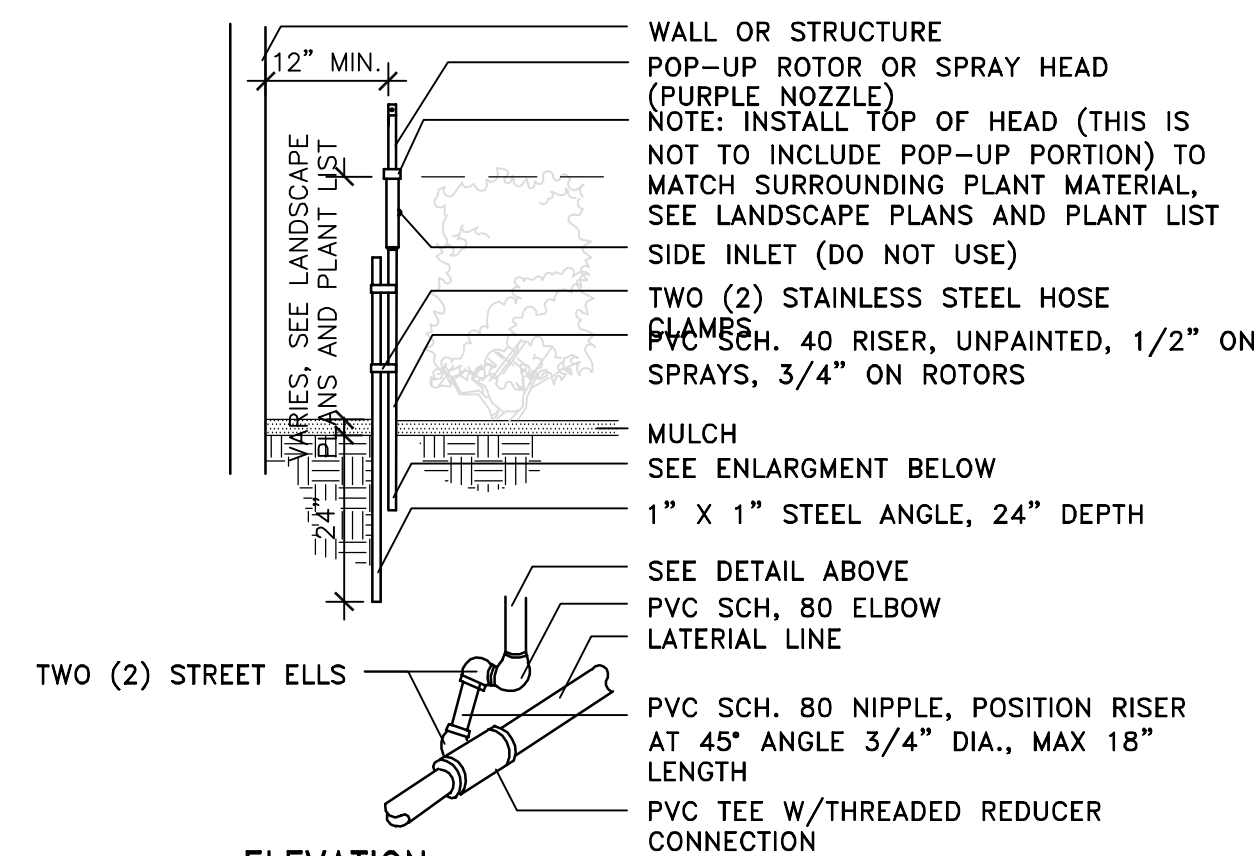
NO "FLEX PVC" WILL BE ALLOWED.



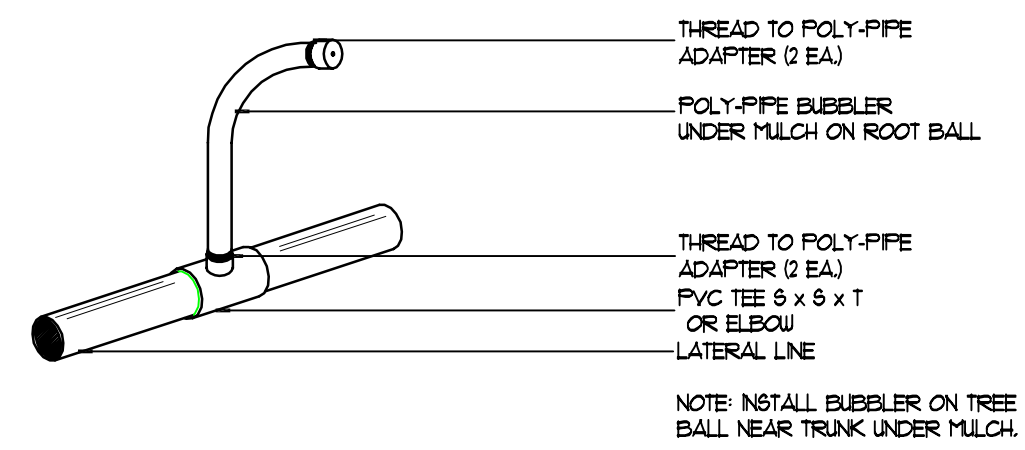
6 1806 SPRAY HEAD  
NOT TO SCALE

NOTE: CONTRACTOR MAY, AT HIS OPTION, INSTALL A PIECE (22" OR LONGER) OF "FUNNY PIPE" (VIRGIN POLYETHYLENE) AND 2 BARB X THREAD ADAPTERS IN LIEU OF THE SWING JOINT SHOWN.

NO "FLEX PVC" WILL BE ALLOWED.



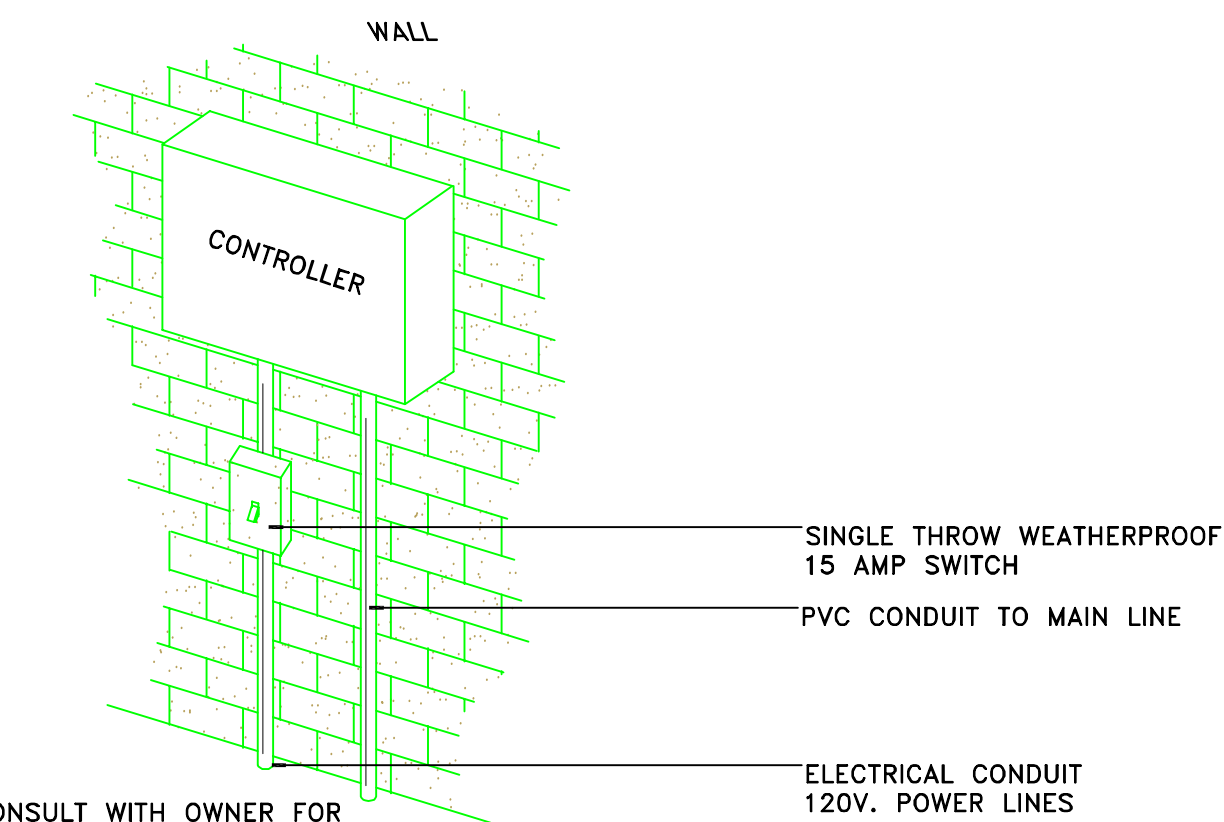
7 1812 POP-UP HEAD ON RISER  
NOT TO SCALE



11 TREE BUBBLER INST.  
NOT TO SCALE

INSTALL SPRINKLERS SPACED 10' TO 12' AS 12' SPRAY HEADS. INSTALL SPRINKLERS SPACED 8' TO 10' AS 10' SPRAY HEADS. INSTALL SPRINKLERS SPACED LESS THAN 8' AS 8' SPRAY HEADS EXCEPT WHERE SHOWN AS OTHERWISE ON THE PLANS. INSTALL VARIABLE ARC NOZZLES WHERE THE USE OF THOSE NOZZLES WILL REDUCE OR ELIMINATE OVERSPRAY ONTO HARDSCAPE/BUILDINGS.

8 NOZZLING NOTES  
NOTES



NOTE: CONSULT WITH OWNER FOR PRECISE LOCATION

CONNECT CONTROLLER GROUND TO A GROUNDING ELEMENT WITH A MAXIMUM RESISTANCE AS RECOMMENDED BY THE CONTROLLER MANUFACTURER

INSTALL A WIRELESS MINI-CLICK RAIN SWITCH AND CONNECT TO CONTROLLER. PER MANUFACTURER'S INSTRUCTIONS. INSTALL RAIN SWITCH IN LOCATION IN THE WEATHER PER CODES AND MANUFACTURER'S RECOMMENDATIONS.

9 WALL MOUNT CONTROLLER INST.  
NOT TO SCALE

REVISIONS	BY
1. R.C. COMMENTS	CKS

**DRMP**  
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WARNING  
IF THIS BAR DOES NOT MEASURE 1" THIS COPY OF THIS DOCUMENT IS NOT TO SCALE

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DRAWN:	CKS
CHECKED:	JCK
DATE:	AUGUST, 2009
SCALE:	1" = 20'
JOB No:	09-0289.000

SHEET: 20 OF 21

172

IRRIGATION DETAILS