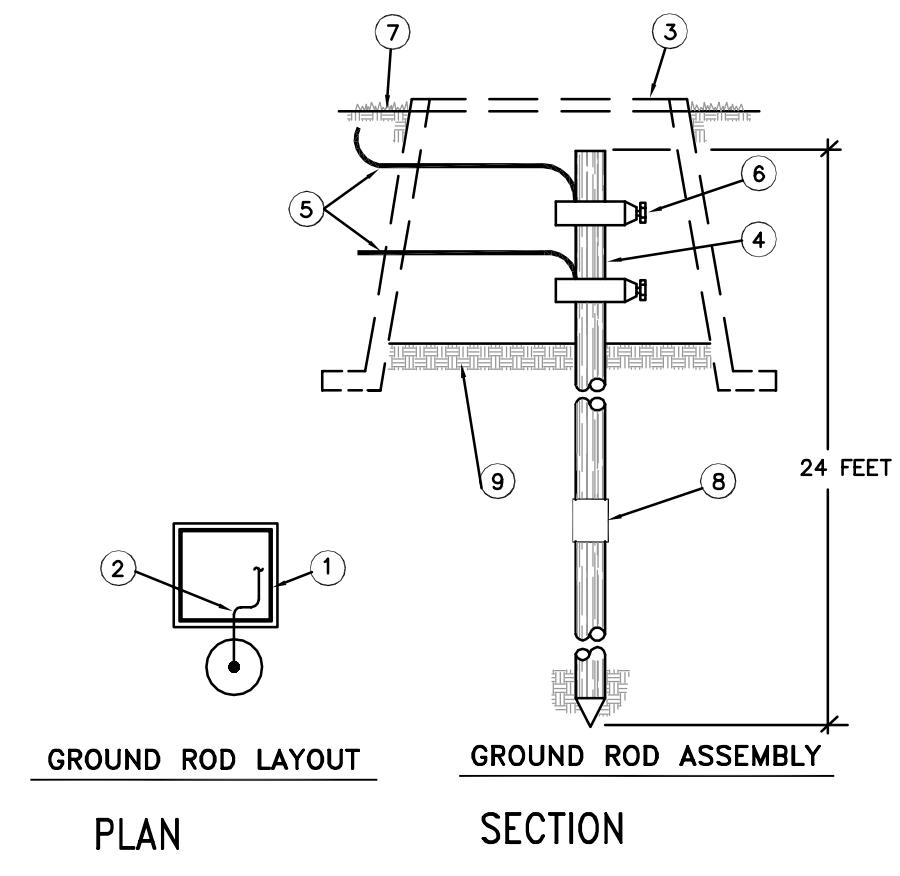
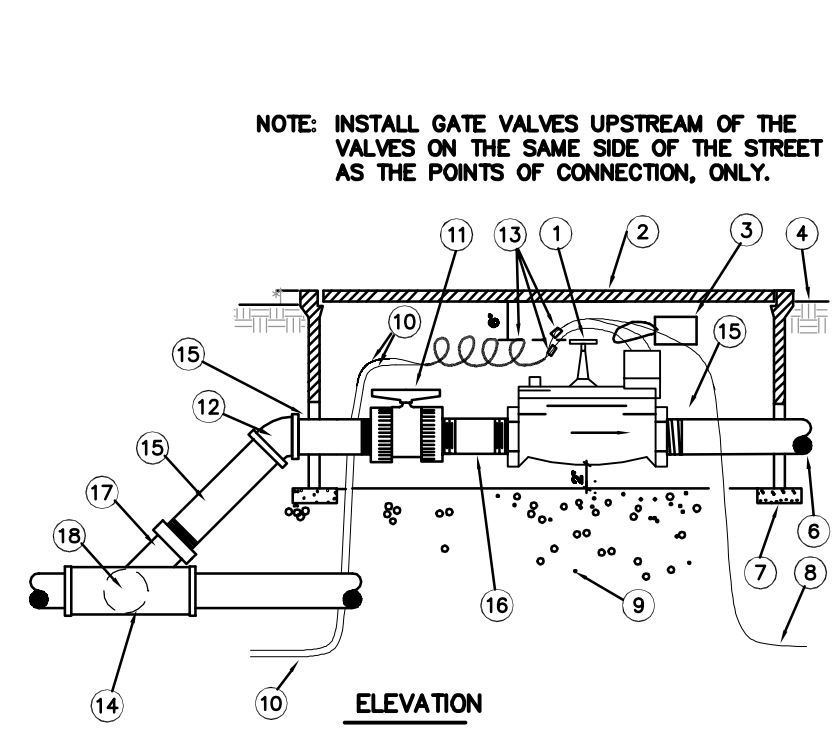


INSTALL ALL PIPING SHOWN BETWEEN SAME PIPE SIZES AS THAT PIPE SIZE SIZED PIPE.
 INSTALL PIPING DOWNSTREAM OF THE LAST MARKED PIPE AS 3/4" PIPE.
 ANY IRRIGATION ITEMS NORMALLY INSTALLED IN LANDSCAPE AREAS THAT ARE SHOWN OUTSIDE OF LANDSCAPE AREAS OR OUTSIDE OF THE PROPERTY LINES ARE SHOWN AS SUCH FOR GRAPHIC CLARITY ONLY. INSTALL THESE ITEMS INSIDE OF PROPERTY LINES AND IN LANDSCAPE AREAS.
 THIS SYSTEM REQUIRES 25 GPM AT 45 PSI AT THE POINT OF CONNECTION. 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.
 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.
 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.
 FOR THE RELOCATION OF THE EXISTING VALVES, CONTACT THE LANDSCAPE ARCHITECT WITH ANY DISCREPANCIES TO THE PLANS AND INSTRUCTIONS.

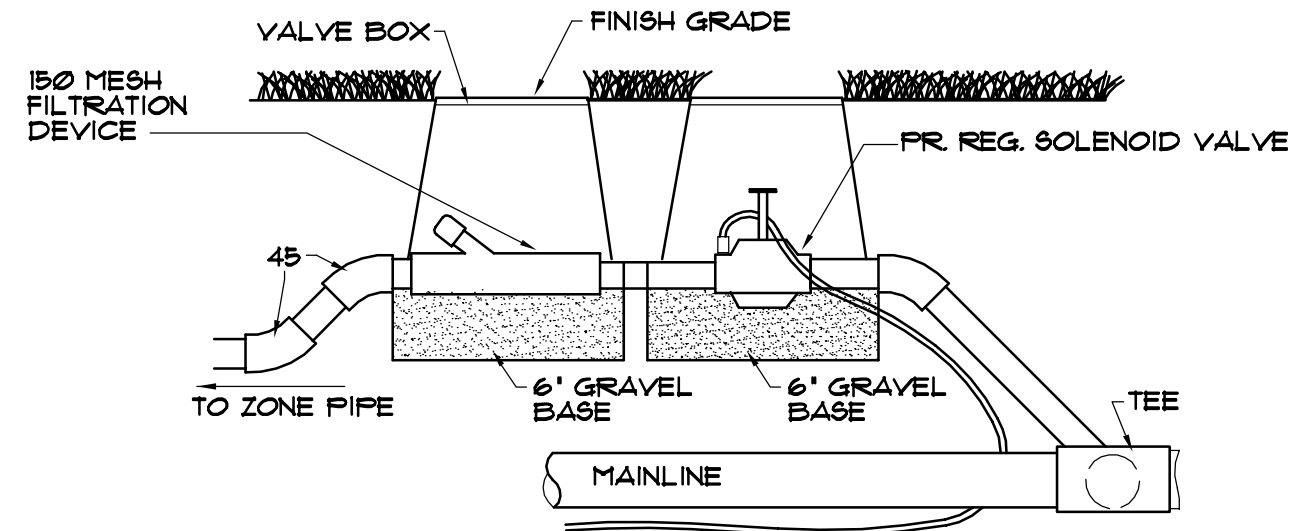
2 GENERAL NOTES
NOTES



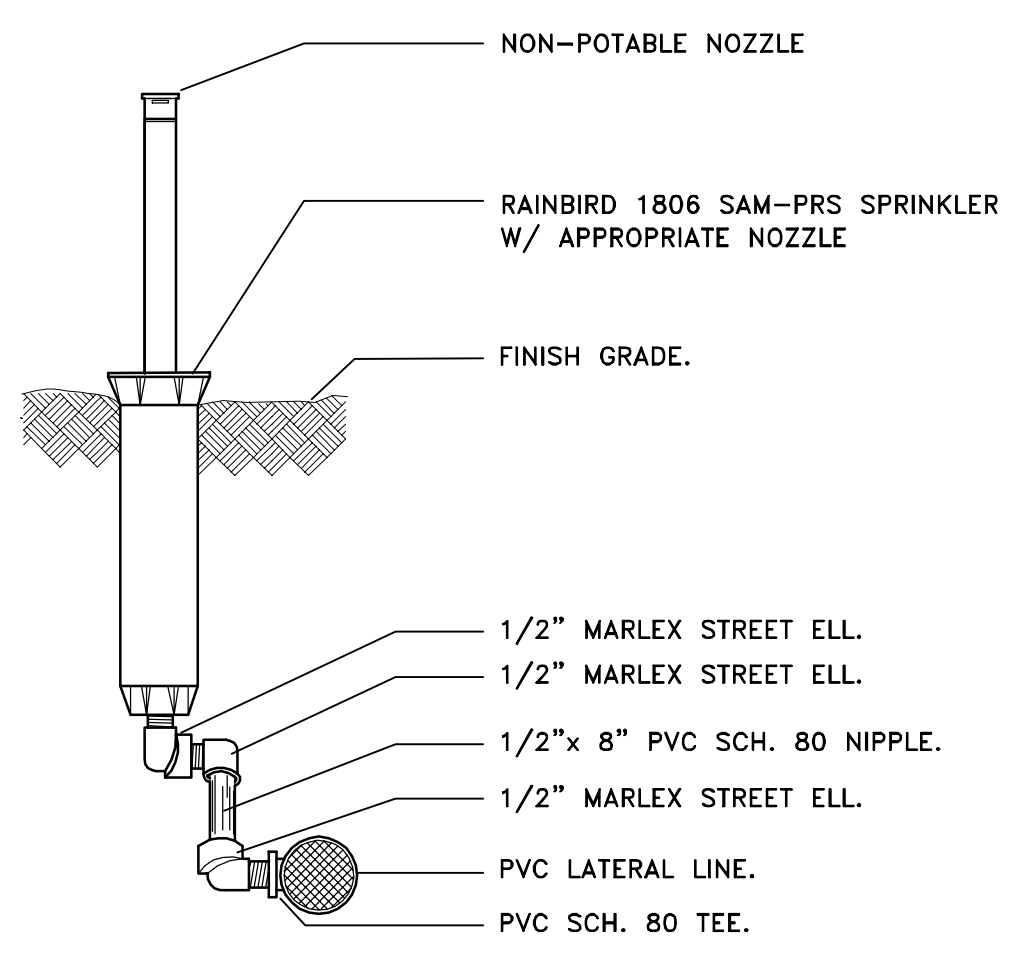
- LEGEND**
1. FIELD SATELLITE OR COU ASSEMBLY
 2. #6 AWG SOLID BARE COPPER WIRE FROM GROUNDING ROD TO SATELLITE OR COU. MAKE WIRE AS SHORT AND STRAIGHT AS POSSIBLE.
 3. COVER GROUNDING ROD WITH 10" ROUND VALVE BOX
 4. 5/8" x 8" COPPER CLAD GROUNDING ROD. INSTALL RODS IN SOIL VERTICALLY ON TOP OF EACH 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)



- LEGEND**
1. ELECTRIC CONTROL VALVE.
 2. RECTANGULAR VALVE BOX W/PURPLE BOLT DOWN COVER.
 3. CHRISTY'S I.D. TAG - NUMBERED TO MATCH DRAWINGS.
 4. FINISH GRADE.
 5. PVC MALE ADAPTER
 6. PVC PIPE TO SPRINKLERS. ANGLE PIPE TO SPECIFIED DEPTH WITH 45° ELLS.
 7. COMMON BRICK (4 MINIMUM REQUIRED).
 8. COMMON WIRE TO OTHER TO OTHER VALVES ON SAME FIELD SATELLITE.
 9. CHATAHOOCHEE RIVER WASHED STONE 8" DEEP.
 10. CONTROL/Common Wires FROM FIELD SATELLITE.
 11. KING BROS. BTU TRUE UNION SERIES PVC BALL VALVE WITH FEMALE THREADED ENDS.
 12. PVC SCH. 40 5x5 45 DEG. ELL.
 13. WIRE CONNECTOR AND 30" EXPANSION LOOP IN 1" DIA. COIL.
 14. HARCO D.I.P. SERVICE TEE
 15. PVC SCHEDULE 80 TOE NIPPLE. (INSTALL LENGTH AS NECESSARY FOR CORRECT INSTALLATION DIMENSIONS)
 16. PVC SCHEDULE 80 NIPPLE.
 17. PVC SCHEDULE 80 FPT X FPT 90 DEG. ELL.
 18. PVC SCHEDULE 80 CLOSE NIPPLE (NOT SHOWN)



NOTE: INSTALL A BRICK UNDER EACH CORNER OF EACH VALVE BOX.

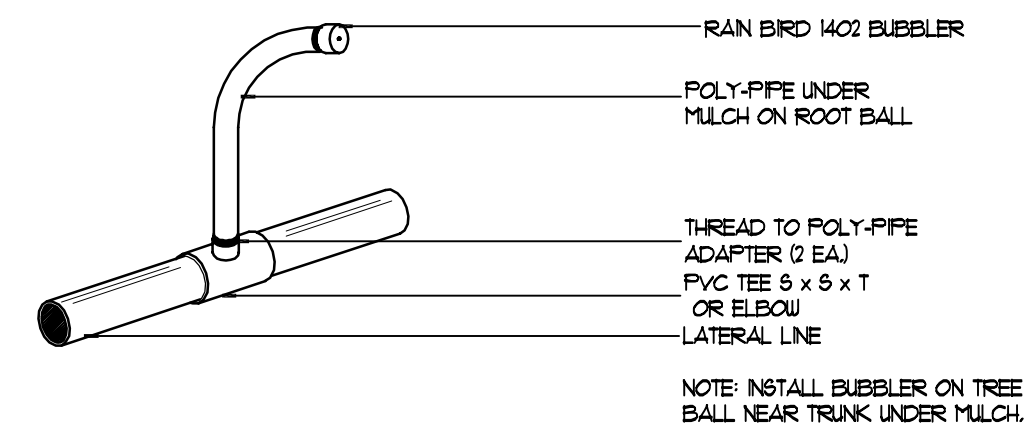


NOTE: CONTRACTOR MAY, AT HIS OPTION, INSTALL A PIECE (22" OR LONGER) OF "FUNNY PIPE" (VIRGIN POLYETHYLENE) AND 2 BARB X THREAD ADAPTERS IN LIEU OF THE SWING JOINT SHOWN.
 NO "FLEX PVC" WILL BE ALLOWED.

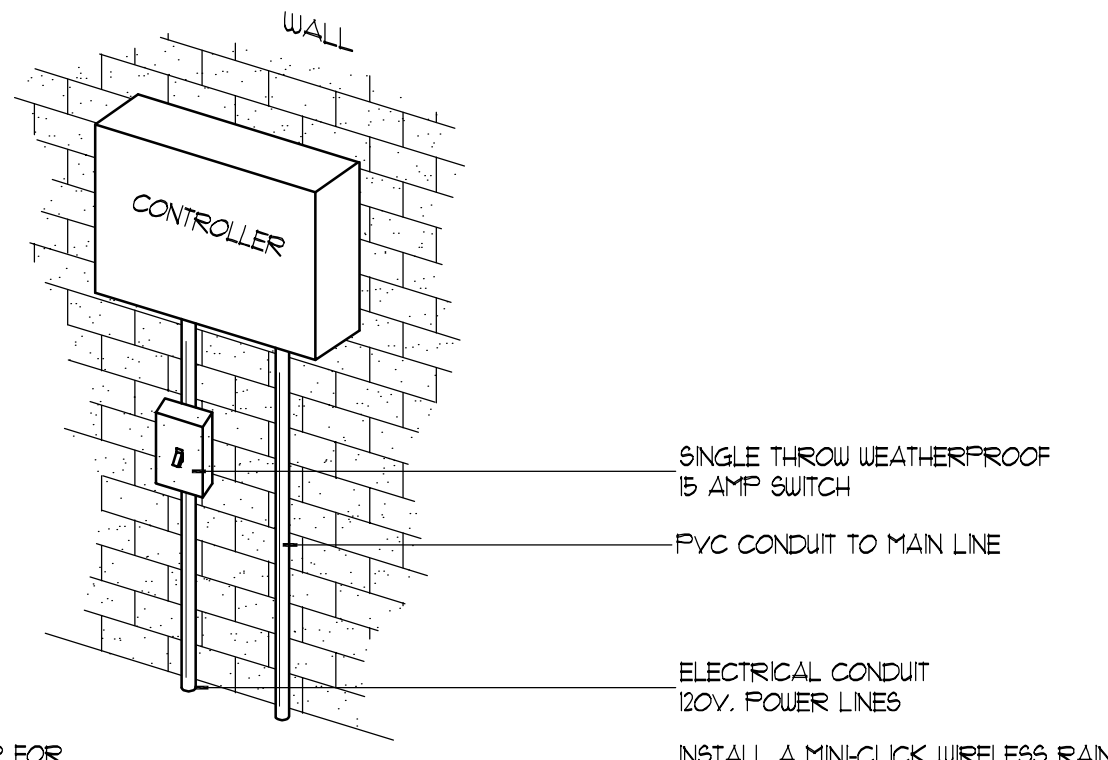
INSTALL GEOFLOW *UFFPC16-4-12 TUBING WITH ALL FITTINGS AS NECESSARY FOR ALL DRIP TUBING APPLICATIONS.
 INSTALL A MINIMUM OF 2 ROWS OF TUBING IN ANY AREA.
 INSTALL TUBING ROWS ON 12" SPACING MAXIMUM, EXCEPT WHERE NOTED OTHERWISE ON THE PLANS.
 INSTALL TUBING 4" BELOW FINISHED GRADE.
 LOOP ALL RUNS OF TUBING.
 INSTALL THE OUTSIDE ROW OF TUBING, IN GRIDDED AREAS, TWO TO FOUR INCHES FROM THE EDGE OF THE BED OR EDGE OF HARDSCAPE.
 INSTALL ANY LOOPED TUBING A MAXIMUM OF 300 FEET FROM THE PVC FEEDER PIPE.
 USE PRESSURE REGULATING VALVES FOR ALL VALVES.
 INSTALL A FILTER WITH A STAINLESS STEEL 150 MESH (104 MICRONS) SCREEN AS GEOFLOW *AP4E-150 WITH A MANUAL FLUSH VALVE ON THE FLUSHING DISCHARGE OUTLET WITH ALL FITTINGS AS NECESSARY.
 INSTALL A GEOFLOW *APV6K-1 VACUUM/AIR RELIEF VALVE AT THE OPPOSITE END OF THE LOOPED NETWORK FROM THE CONNECTION TO THE PVC FEEDER.
 REFER TO THE MANUFACTURER'S INSTALLATION RECOMMENDATIONS AT WWW.GEOFLOW.COM FOR INSTALLATION GUIDELINES.

7 DRIP TUBING ZONE INSTALLATION NOTES
NOT TO SCALE

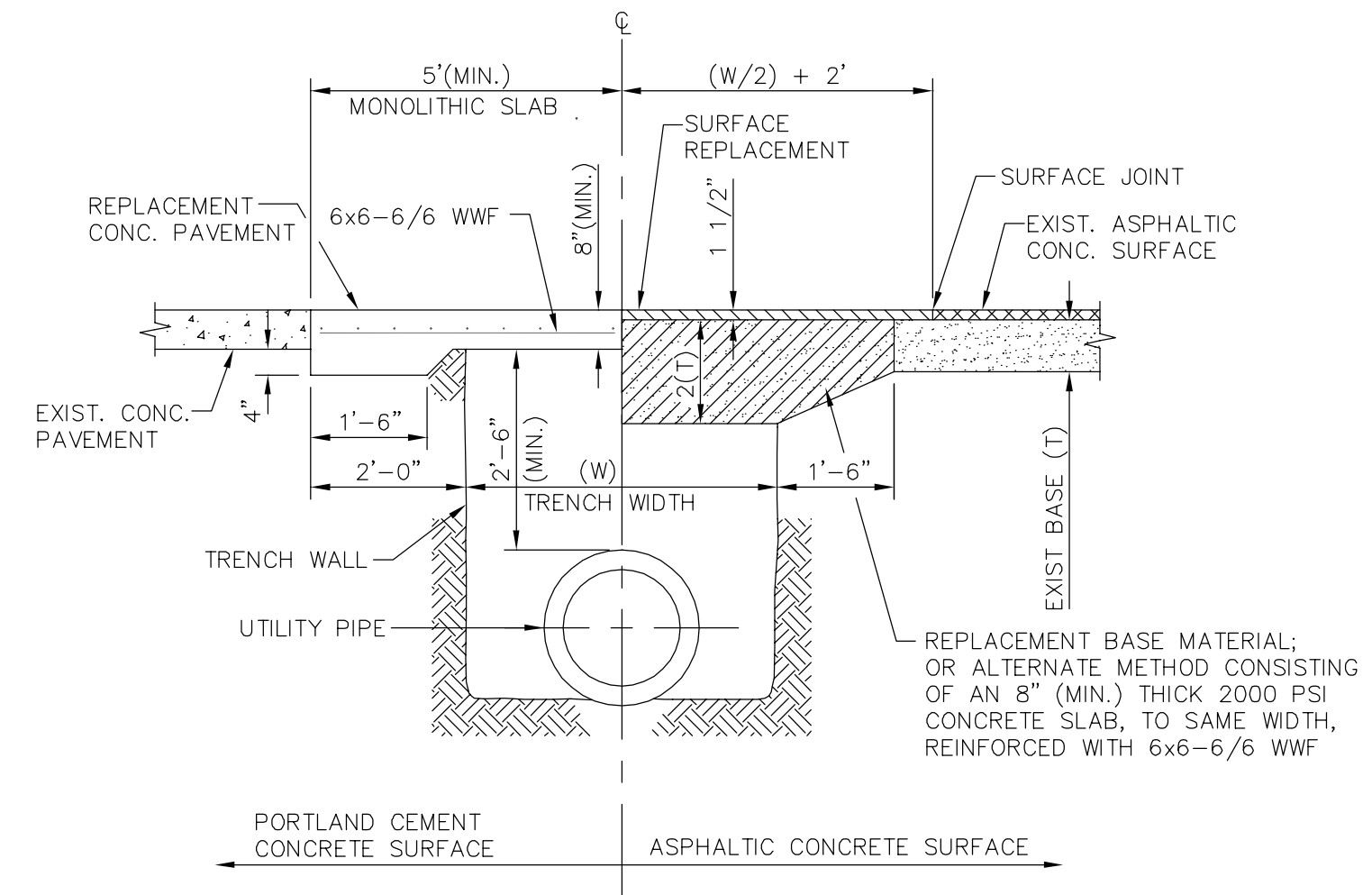
ELEVATION



- RAN BIRD 1402 BUBBLER
 - POLY-PIPE UNDER MULCH ON ROOT BALL
 - THREAD TO POLY-PIPE ADAPTER (O.E.A.)
 - PVC TEE 5 x 5 x T OR ELBOW
 - LATERAL LINE
- NOTE: INSTALL BUBBLER ON TREE BALL NEAR TRUNK UNDER MULCH.



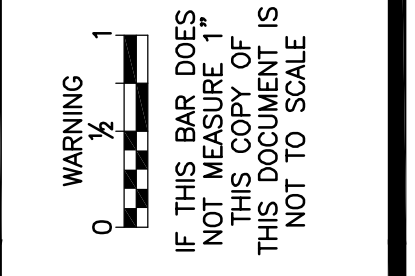
NOTE: CONSULT WITH OWNER FOR PRECISE LOCATION
 CONNECT CONTROLLER GROUND TO A GROUNDING ELEMENT WITH A MAXIMUM RESISTANCE AS RECOMMENDED BY THE CONTROLLER MANUFACTURER
 SINGLE THROW WEATHERPROOF 5 AMP SWITCH
 PVC CONDUIT TO MAIN LINE
 ELECTRICAL CONDUIT 100V. POWER LINES
 INSTALL A MINI-CLICK WIRELESS RAIN SWITCH AND WIRE INTO COMMON WIRE. INSTALL RAIN SWITCH IN LOCATION IN THE WEATHER.



REVISIONS	BY
Δ CITY COMMENTS	

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ABC FINE WINE & SPIRITS STORE NO. 59
 U.S. HIGHWAY 27, LAKE WALES, FLORIDA 33888

IRRIGATION DETAILS

DRAWN:	RAC
CHECKED:	SYM
DATE:	DEC. 2008
SCALE:	1" = 20'
JOB No:	08-0606.000
SHEET:	22 OF 25

172