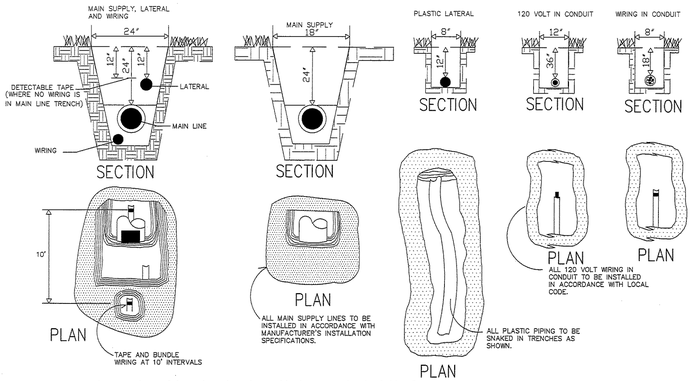
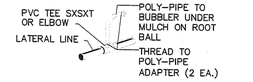
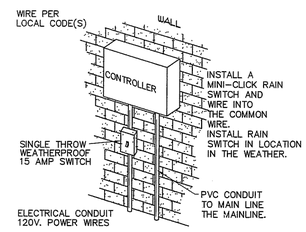


1 ID-01 TYPICAL TRENCHING DETAILS
NOT TO SCALE



NOTE : INSTALL BUBBLER ON TREE BALL NEAR TRUNK UNDER MULCH.

2 ID-01 TREE BUBBLER INST.
NOT TO SCALE



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

NOTE: CONSULT WITH OWNER FOR PRECISE LOCATION.

3 ID-01 CONTROLLER INSTALLATION
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 REQUIRES 25 GPM AT 55 PSI AT EACH 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.

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 ADJUSMENT OF THE SPRAY. DO NOT APPLY THE GLUE IN AREAS THAT MIGHT HINDER THE ADJUSMENT 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.

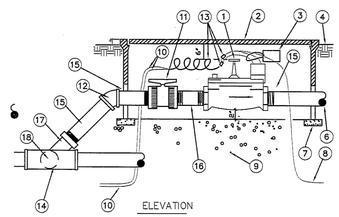
ANY EXISTING TREE ROOTS, WHEN ENCOUNTERED DURING INSTALLATION OF UTILITIES, SHALL BE CUT OFF EVENLY WITH CLEAN SHARP PRUNING TOOLS AND COVERED WITH SOIL AS SOON AS POSSIBLE TO REDUCE DEHYDRATION. THE CONTRACTOR/DEVELOPER SHALL MINIMIZE THE DAMAGE TO EXISTING TREE ROOT SYSTEMS.

CONNECT TO THE 1 1/2" REUSE METER AT THE POINT OF CONNECTION.

ASSURE THAT BACKFLOW PREVENTION AS REQUIRED BY CODE IS INSTALLED.

4 ID-01 GENERAL NOTES
NOTES

NOTE: INSTALL GATE VALVES UPSTREAM OF THE VALVES ON THE SAME SIDE OF THE STREET AS THE POINTS OF CONNECTION, ONLY.



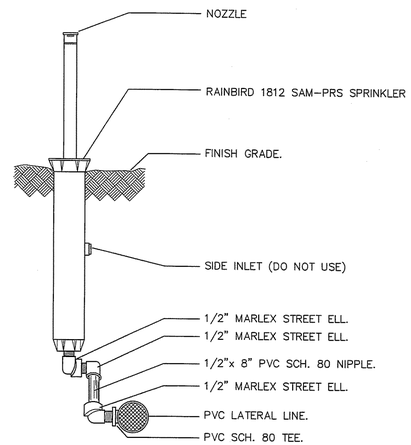
ELEVATION

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 SxS 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)

ELEVATION

5 ID-01 VALVE INSTALLATION
NOT TO SCALE

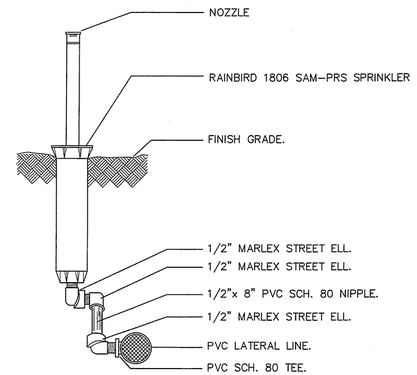


NOTE : CONTRACTOR MAY, AT HIS OPTION, INSTALL A PIECE (22" OR LONGER) OF "FUNNY PIPE" (VIRGIN POLYETHELENE) AND 2 BARB X THREAD ADAPTERS IN LIEU OF THE SWING JOINT SHOWN.

NO "FLEX PVC" WILL BE ALLOWED.

ELEVATION

6 ID-01 1812 SPRAY HEAD AT GRADE
NOT TO SCALE



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

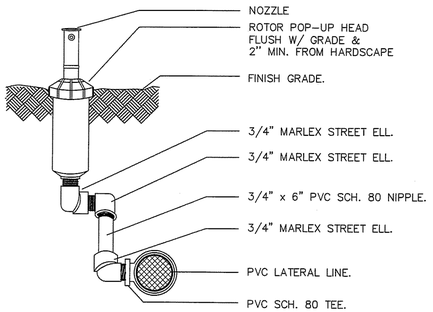
NO "FLEX PVC" WILL BE ALLOWED.

ELEVATION

7 ID-01 1806 SPRAY HEAD
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 ID-02 NOZZLING NOTES
NOTES

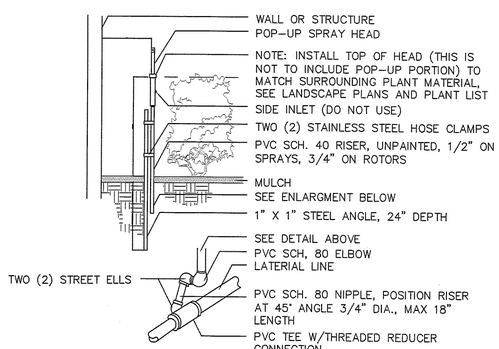


NOTE : CONTRACTOR MAY, AT HIS OPTION, INSTALL A PIECE (22" OR LONGER) OF "FUNNY PIPE" (VIRGIN POLYETHELENE) AND 2 BARB X THREAD ADAPTERS IN LIEU OF THE SWING JOINT SHOWN.

NO "FLEX PVC" WILL BE ALLOWED.

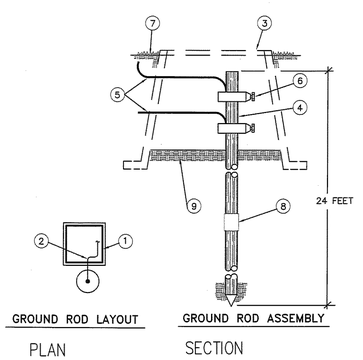
ELEVATION

9 ID-01 ROTOR POP-UP HEAD
NOT TO SCALE



ELEVATION

10 ID-01 1812 POP-UP HEAD ON RISER
NOT TO SCALE



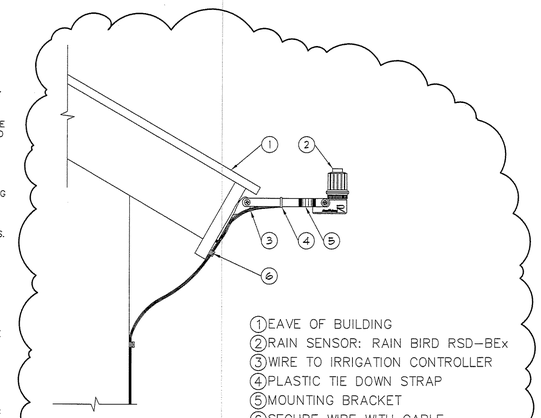
GROUND ROD LAYOUT — PLAN

GROUND ROD ASSEMBLY — SECTION

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)

12 ID-01 CONTROLLER GROUNDING GRID
NOT TO SCALE



1. EAVE OF BUILDING
2. RAIN SENSOR: RAIN BIRD RSD-BEx
3. WIRE TO IRRIGATION CONTROLLER
4. PLASTIC TIE DOWN STRAP
5. MOUNTING BRACKET
6. SECURE WIRE WITH CABLE TIE BRACKET (1 OF 2)

13 N.T.S. RAIN SENSOR
RSD-BEx ROOF BRACKET

REVISIONS	BY
⚠ CITY ENG. COMMENTS	RAC

DRMP
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WARNING
IF THIS BAR DOES NOT MEASURE 1" THIS COPY OF THE DRAWING IS NOT TO SCALE

CITY OF SUNRISE
PLANNING & DEVELOPMENT DEPT.
FINAL PLANS
APPROVED FOR INSTALLATION EXCEPT AS NOTED
DATE: JUN 9 6 2007
ADDITIONAL REQUIREMENTS PRIOR TO CONSTRUCTION:
• PRE-CONSTRUCTION MEETING WITH CITY
• PERMITS FROM APPLICABLE REGULATORY AUTHORITIES AND THE CITY
COMPLETE SET OF APPROVED PLANS MUST BE ON WORK SITE AT ALL TIMES.

JUN 9 6 2007

RANDALL A. CAVE
FLORIDA RLA #1694

ABC LIQUORS, INC.
8989 S. ORANGE AVE - ORLANDO, FLA. 32824
ABC FINE WINE & SPIRITS STORE #50
SAWGRASS MILLS, NORTH FLAMINGO ROAD, SUNRISE, FLORIDA

IRRIGATION DETAILS

DRAWN:	RAC
CHECKED:	RAC
DATE:	OCT. 2006
SCALE:	
JOB No:	05-0394.000
SHEET:	IR3

IR3_50_IrrigationDetails.dwg

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