

IRRIGATION NOTES

1. IRRIGATION PLANS ARE DIAGRAMMATIC AND SCHEMATIC IN NATURE. IN SOME CASES, IRRIGATION PIPE AND/OR VALVES MAY BE SHOWN AS OCCURRING IN PAVEMENT AREAS FOR CLARITY. IN SUCH CASES, THE PIPE AND/OR VALVES SHALL BE PLACED IN THE IMMEDIATELY ADJACENT LANDSCAPE AREA. ALL MATERIALS SHALL BE NEW. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SUPPLY ALL MATERIALS, EQUIPMENT AND LABOR TO INSTALL A COMPLETE OPERATIONAL SYSTEM AS SHOWN ON THE PLAN. ALL PERMITS AND CODE COMPLIANCE IS THE RESPONSIBILITY OF THE CONTRACTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SEE THAT THE SYSTEM IS FINALLY ADJUSTED TO HAVE FULL COVERAGE WITH NO OVERSPRAY ONTO PAVEMENT AND THAT ALL HEADS ARE SET TO THE PROPER HEIGHT WITH THE FINAL GRADE.

2. ALL PIPE AND FITTINGS INCLUDING SLEEVES SHALL BE SOLVENT WELD PVC SCHEDULE 40 WITH THE EXCEPTION OF ABOVE GROUND RISERS AND FITTINGS WHICH SHALL BE PVC SCHEDULE 80, UNLESS OTHERWISE SPECIFIED. MAIN LINES SHALL BE PRESSURE TESTED WITH ALL VALVES IN PLACE PRIOR TO BACKFILLING. TEST SHALL BE 100 PSI FOR ONE HOUR. TEN(10) PSI LOSS WITHIN ONE HOUR SHALL CONSTITUTE FAILURE. MAIN LINE PIPE SHALL HAVE A MINIMUM 24" OF COVER AND ALL OTHER LATERAL LINE PIPE SHALL HAVE A MINIMUM 12" COVER.

3. SLEEVES: ALL PIPE UNDER PAVING AND WALKWAYS SHALL BE SLEEVED WITH PVC SCH. 80 PIPE. ALL SLEEVES INSTALLED UNDER ROADWAYS SHALL BE INSPECTED AS PER LOCAL CODES FOR PROPER EARTH COMPACTION AROUND SLEEVES AND THE SLEEVES SHALL EXTEND TWO FEET BEYOND THE EDGE OF THE ROAD AND SHALL BE CAPPED WITH LOCATIONS MARKED APPROPRIATELY.

4. PUMP STATION: NO NEED OF PUMPSTATION , SISTEM TO WORK W/. CITY PRESSURE

5. RAIN SENSOR/SHUT-OFF DEVICE: GLEN HILTON MINI-CLIK II SHALL BE INSTALLED IN AN EXPOSED AREA ADJACENT OR NEAR THE CONTROLLER.

6. ELECTRIC CONTROL VALVE: 24 VOLT ELECTRIC VALVE SHALL BE RAINBIRD CP-100 ELECTRIC VALVES HOUSED IN HEAVY DUTY PLASTIC VALVE BOXES WITH LOCKING COVERS OR EQUAL TO 16"x12" CARSON 1419B VALVE BOXES OR LARGER AS REQUIRED AND INSTALLED AS PER DETAIL WITH THE USE OF THE BOTTOM INLET.

7. CONTROL WIRE: CONTROL WIRE SHALL BE UL APPROVED, SOLID CORE PE OR PVC COVERED IRRIGATION CONTROL WIRE. USE 14 GAUGE CONTROL AND 12 GAUGE GROUND WIRE. ALL SPLICES AND CONNECTIONS AT VALVES TO BE MADE WITH 3M BRAND DBY DIRECT BURIAL SPLICE KIT. ALL WIRE TO BE BROUGHT BACK TO THE CONTROLLER AND ENCASED IN UL APPROVED PVC CONDUIT. WIRE PULL JUNCTION BOXES SHALL BE UTILIZED AND INSTALLED AT A MAXIMUM OF 190 FEET APART AND PLACED IN 10" APPROVED VALVE BOXES.

8. SPRINKLERS: ALL SPRINKLERS/ IRRIGATION HEADS SHALL BE OF THE TYPE REFERRED TO IN THE IRRIGATION PLAN LEGEND AND SHALL BE ATTACHED TO THE LATERAL LINE PIPE WITH EITHER A FLEXIBLE LINE CONNECTION EQUAL TO "SWING PIPE" OF THE PROPER SIZE. THE CONNECTION OF THE SPRINKLERS TO THE LINE SHALL BE A THREADED FITTING, IN ORDER TO ALLOW THE REMOVAL OF THE SPRINKLER CONNECTION DURING MAINTENANCE OR REPAIRS.

9. ALL SPRAY HEADS WHICH OCCUR ADJACENT TO BUILDING STRUCTURES SHALL BE EQUIPPED WITH RAINBIRD 8 SERIES FLAT 5 DEGREE TRAJECTORY NOZZLES.

10. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UNDERGROUND UTILITIES, EXISTING SITE ELEMENTS OR NEW IMPROVEMENTS AS A RESULT OF THE IRRIGATION SYSTEM INSTALLATION.

11. ALL TRENCHES SHALL BE BACKFILLED WITH CLEAN FILL HAVING NO ROCKS LARGER THAN 1/2 INCH IN CONTACT WITH THE PVC LINES ANYWHERE AND COMPACTED. THEN, FINELY GRADE IN ORDER TO ACCOMMODATE SODDING OR MULCHING TO BE FLUSH WITH ADJACENT GRADES.

12. AS-BUILT DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR AND WILL BE TURNED OVER TO THE OWNER PRIOR TO FINAL ACCEPTANCE.

13. MAINTENANCE: IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE SYSTEM, REPAIRING LEAKS, REPAIRING BROKEN HEADS, FLUSHING SYSTEM AND OTHER SYSTEM PROBLEMS UNTIL FINAL ACCEPTANCE BY OWNER.

14. GUARANTEE: THE ENTIRE IRRIGATION SYSTEM SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE TIME OF FINAL ACCEPTANCE. ALL MANUFACTURER'S WRITTEN WARRANTIES AND GUARANTEES SHALL BE TURNED OVER TO THE OWNER PRIOR TO, AND IS A CONDITION OF FINAL ACCEPTANCE.

15. TIMER: AUTOMATIC PRINKLER TIMER 120 VAC-IN, 24 VAC- OUT 20 VA SP ST FOR CITY WATER SUPPLY. 24 VAC 20 VA TRANSFORMER

16. VALVE: CP-100 RAINBIRD 1" AUTOMATIC SPRINKLER VALVEFOR IN-RAIN LINE INSTALLATION. 24 VOLTS AC 50-60 HRZ.





REFER TO THE IRRIGATION DETAILS AND TO THE LANDSCAPE PLANS IN ORDER TO COORDINATE THE WORK AND TO ACCOMMODATE OR ADJUST THE NEW IRRIGATION SYSTEM TO THE EXISTING AND PROPOSE

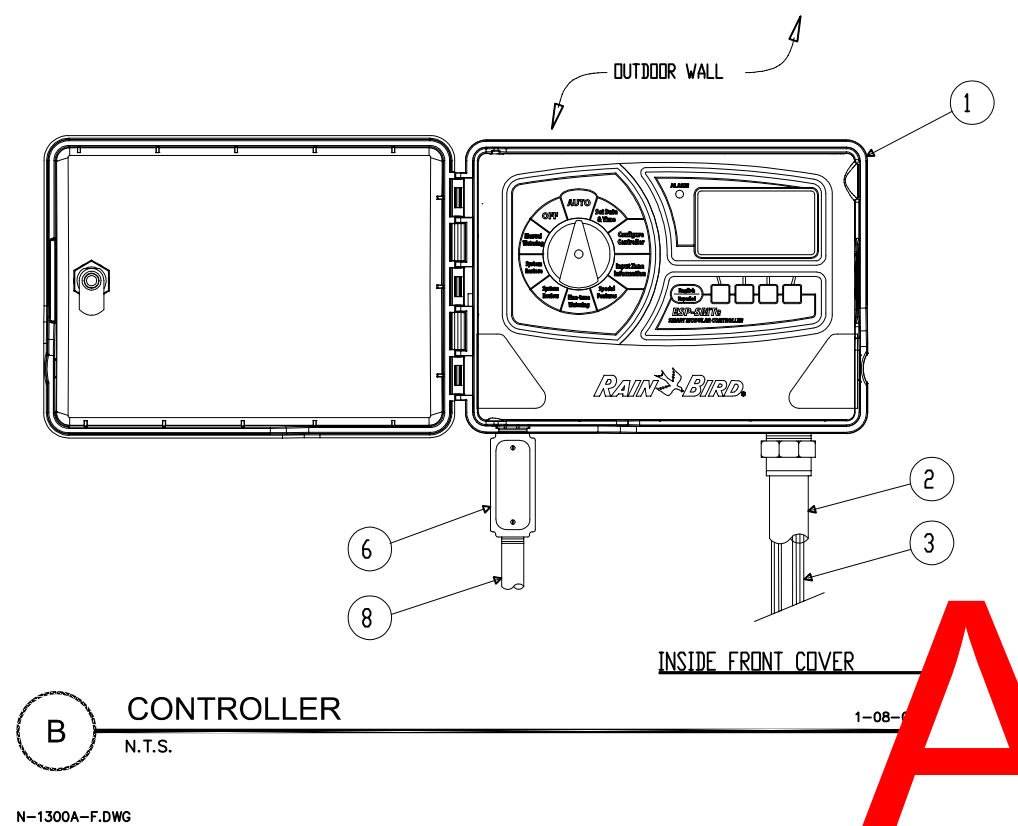
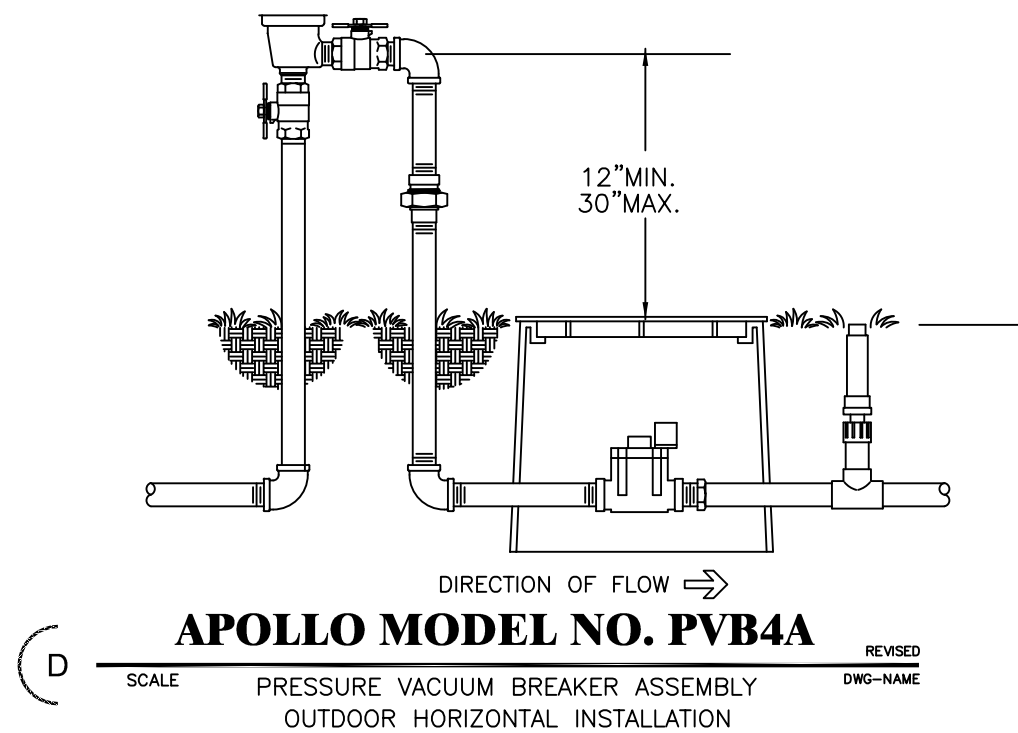
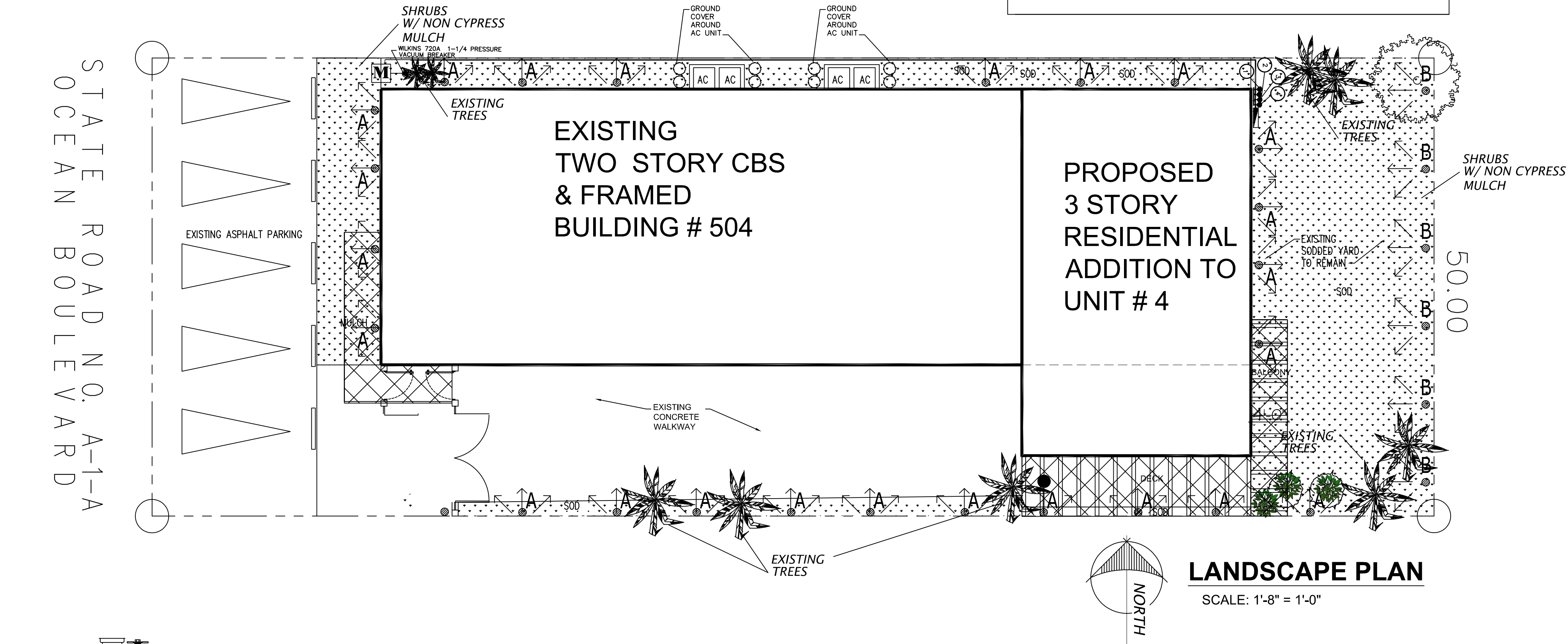
NOTE: RAINBIRD PRS SRAY HEADS
30 PSI REGULATED 1800 PRS SERIES

SPRINKLER LEGEND 3- ZONE SYSTEM

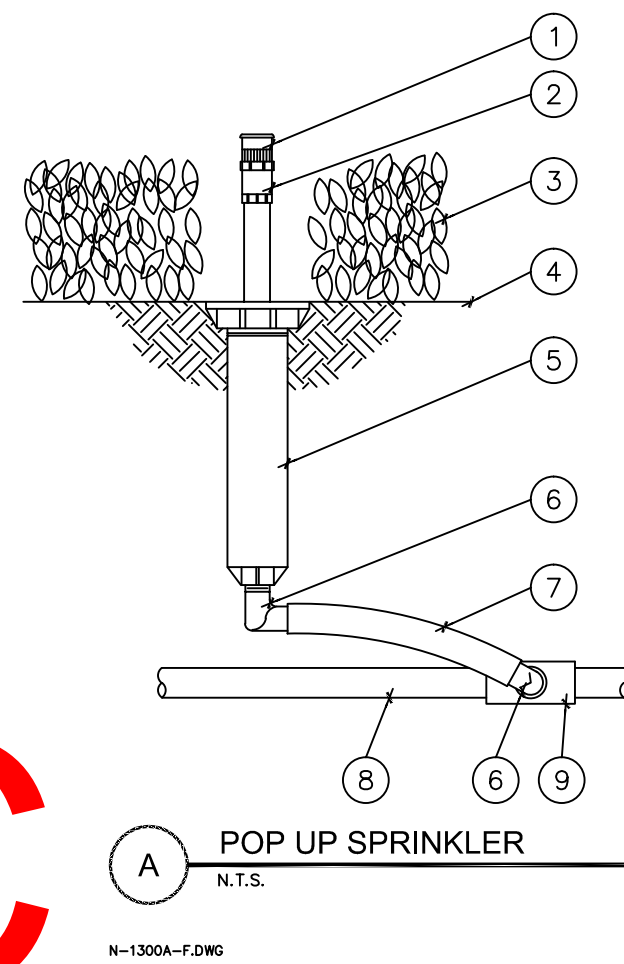
A RAINBIRD 1806 PRS- R13-18Q - H

B RAINBIRD 1806-12H 1.3 GPM

-  IRRIGATION METER
-  ZONES
-  WILKINS 720A 1-1/4 PRESSURE VACUUM BREAKER
-  RAIN SENSOR HUNTER MINI CLICK 2

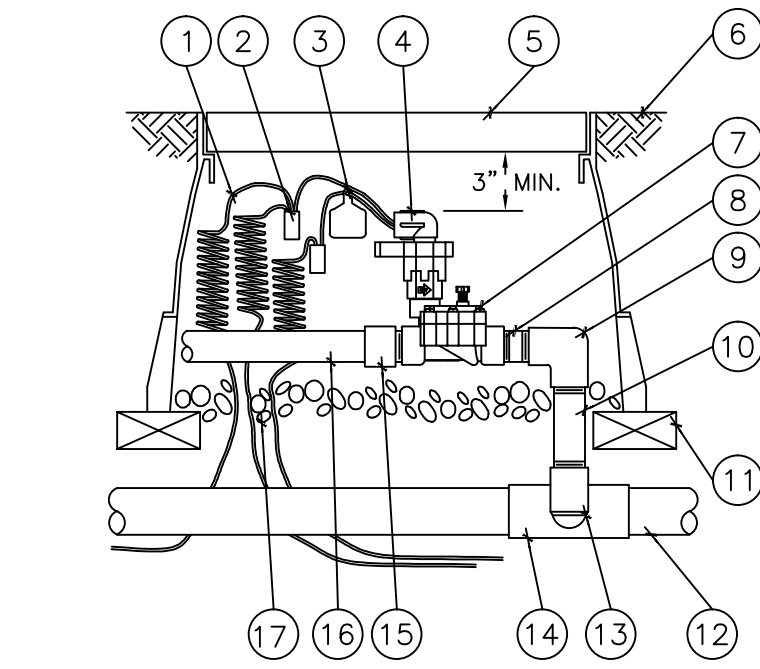


- GENERAL NOTES:
- 1 RAIN BIRD ESP43MTE OUTSIDE WALL MOUNT
 - 2 1-INCH PVC SCH 40 CONDUIT AND FITTINGS
 - 3 WIRES TO REMOTE CONTROL VALVES AND SENSOR
 - 4 STANDARD MODULE FOR 4-STATION CONTROLLER
 - 5 OPTIONAL MODULES FOR 22-STATION CONTROLLER
 - 6 JUNCTION BOX
 - 7 CONNECTION FOR WIRES FROM SENSOR
 - 8 1/2-INCH PVC SCH 40 CONDUIT TO POWER SUPPLY



- 1 PRESSURE COMPENSATING FULL-CIRCLE BUBBLER: RAIN BIRD 1400
- 2 PLASTIC ADAPTER: RAIN BIRD MODEL PA-80
- 3 PLANT MATERIAL
- 4 FINISH GRADE/TOP OF MULCH
- 5 POP-UP SPRAY SPRINKLER: RAIN BIRD 1800 PRS SERIES
- 6 1/2-INCH MALE NPT x 490-INCH BARB ELBOW: RAIN BIRD MODEL SBE-050
- 7 SWING PIPE, 12-INCH LENGTH: RAIN BIRD MODEL SP-100
- 8 PVC LATERAL PIPE
- 9 PVC SCH 40 TEE OR ELL

Irrigation systems should be capable of distributing 1 1/2" of water per week during a maximum eight (8) hour watering cycle. All irrigation systems must be entirely automatic, with the ability to switch to manual operation in emergency situations. In high pedestrian areas, bubblers or dri



- 1 30-INCH LINEAR LENGTH OF WIRE, COILED
- 2 WATERPROOF CONNECTION:
- 3 ID TAG: RAIN BIRD VID SERIES
- 4 CONDUIT COVER: DV-DUIT
- 5 VALVE BOX WITH COVER: RAIN BIRD VB-STD
- 6 FINISH GRADE/TOP OF MULCH
- 7 REMOTE CONTROL VALVE: RAIN BIRD 100-DV
- 8 PVC SCH 80 NIPPLE (CLOSE)
- 9 PVC SCH 40 ELL
- 10 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 11 BRICK (1 OF 4)
- 12 PVC MAINLINE PIPE
- 13 SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND SCH 40 ELL
- 14 PVC SCH 40 TEE OR ELL
- 15 PVC SCH 40 MALE ADAPTER
- 16 PVC LATERAL PIPE
- 17 3.0-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL

REVISIONS BY

PROPERTY OWNER:
ANAM USMAN

PROPERTY ADDRESS:
504 SOUTH OCEAN BLVD
POMPANO BEACH FL

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LANDSCAPE PLAN

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SCALE:
AS NOTED

PROJECT:

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