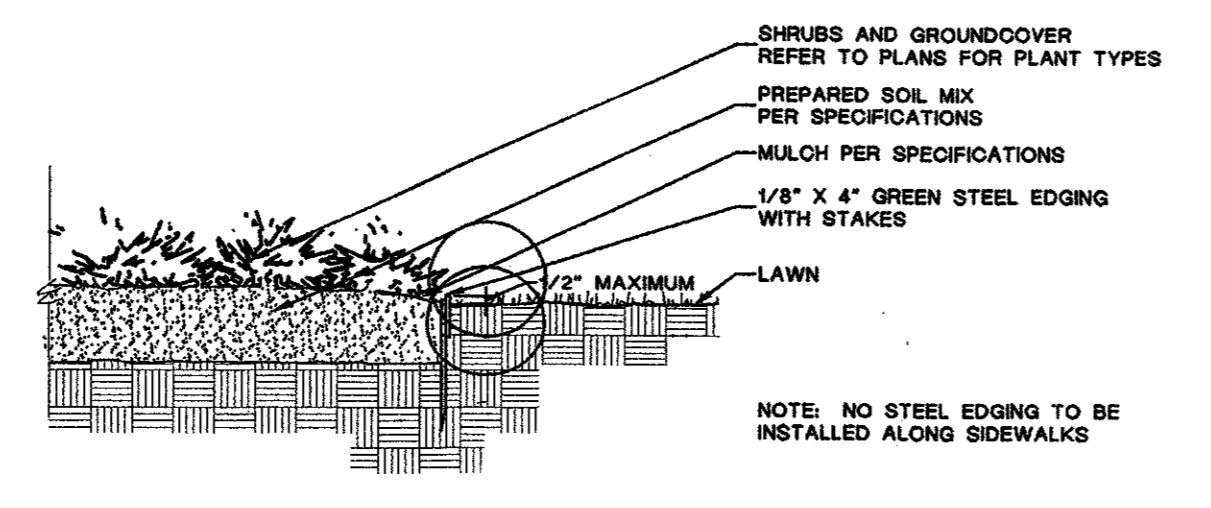
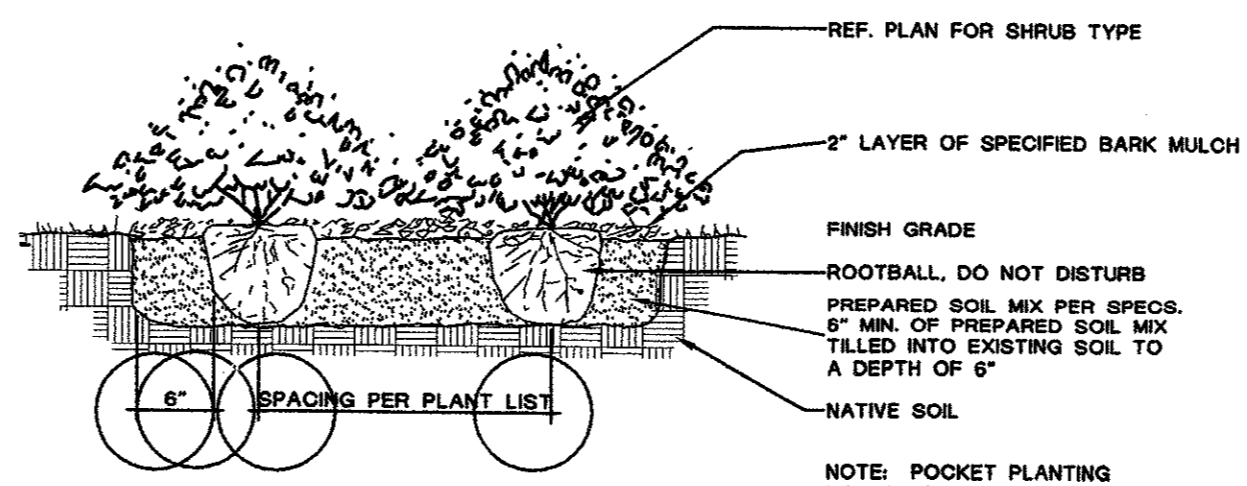


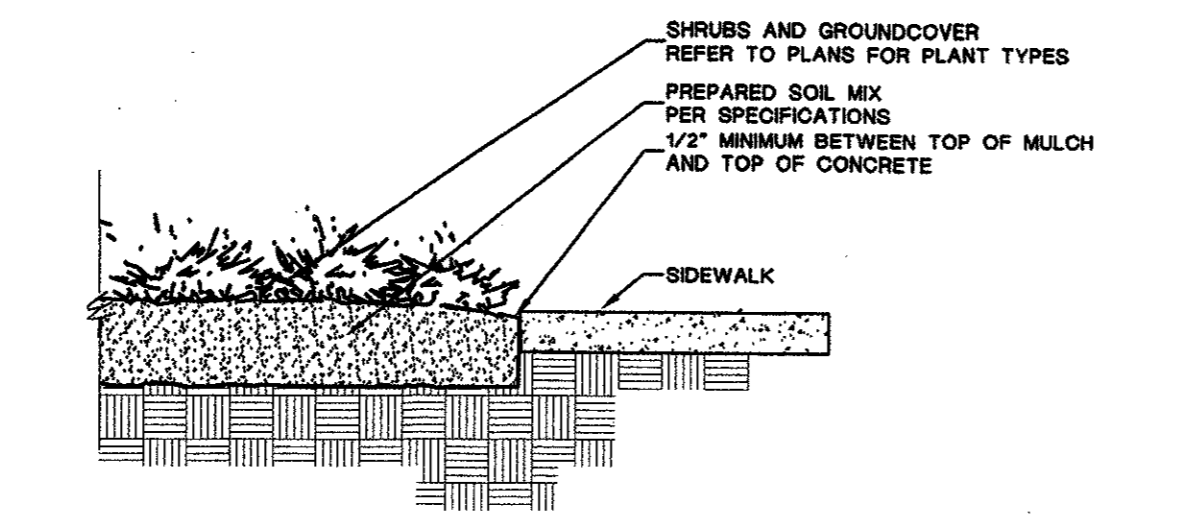
01 TREE PLANTING DETAIL
NOT TO SCALE



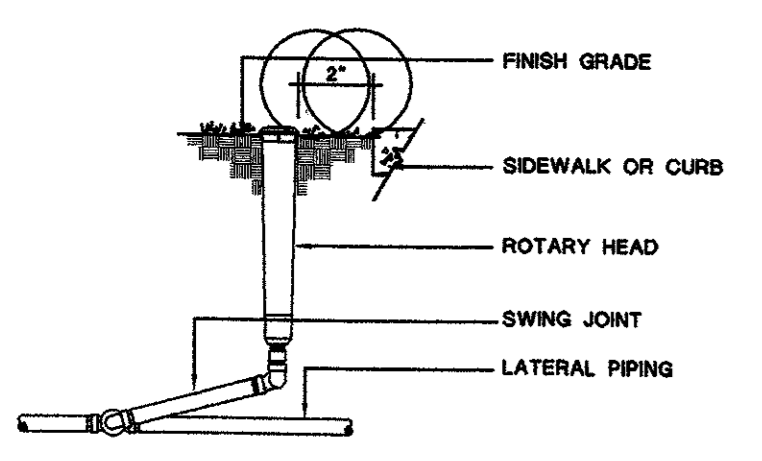
02 STEEL EDGING DETAIL
NOT TO SCALE



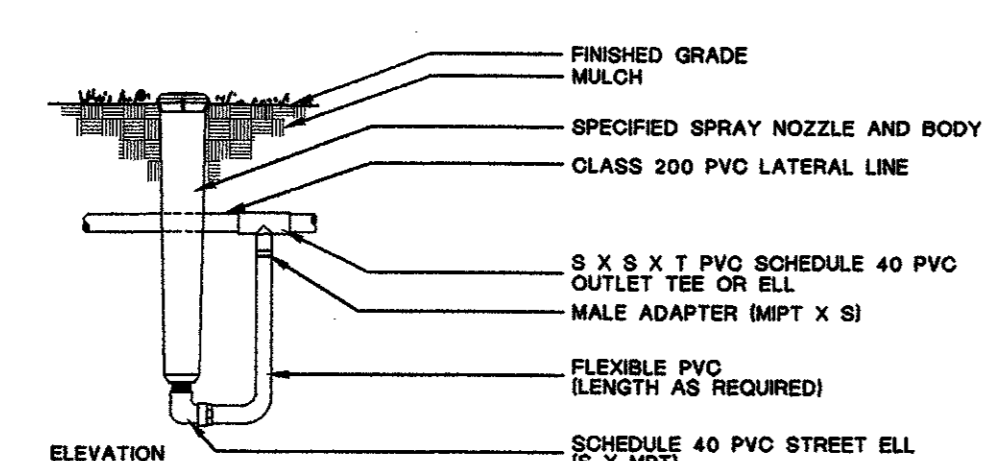
03 SHRUB / GROUND COVER DETAIL
NOT TO SCALE



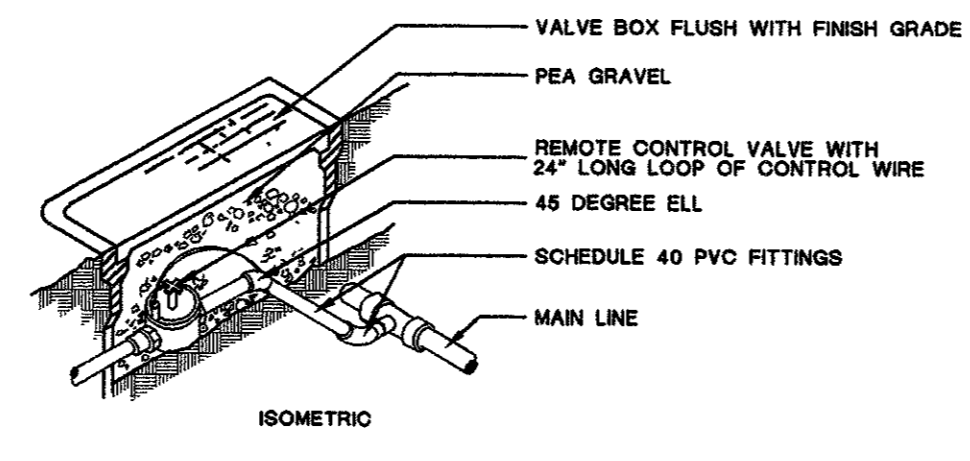
04 SIDEWALK / MULCH DETAIL
no steel along sidewalks
NOT TO SCALE



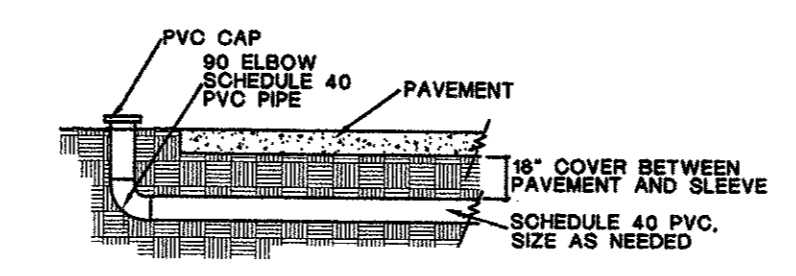
05 ROTARY HEAD
NOT TO SCALE



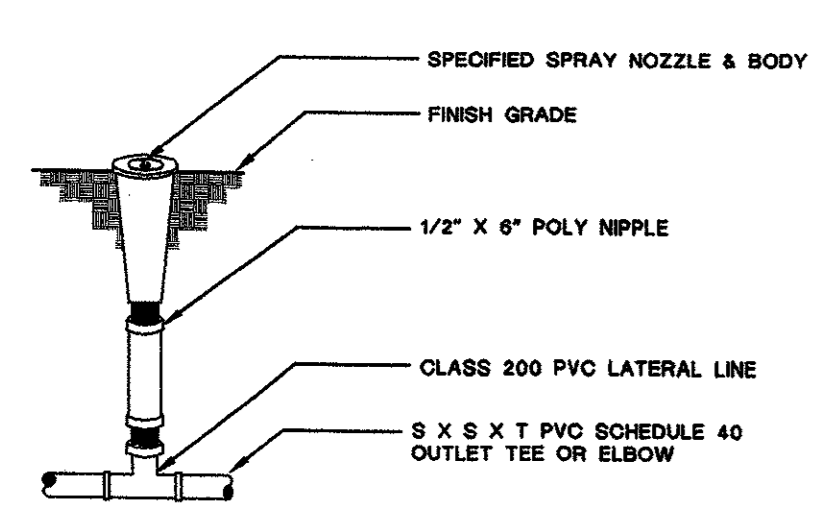
06 HIGH POP-UP SPRAY ASSEMBLY
NOT TO SCALE



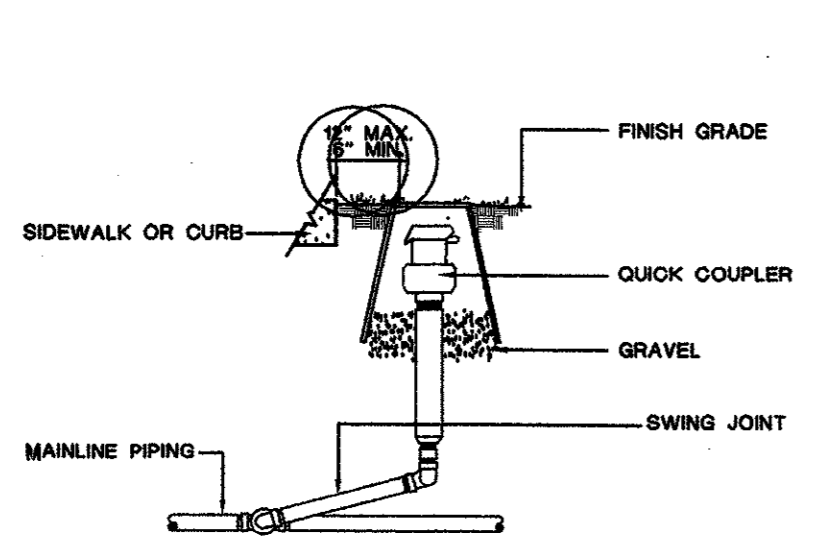
07 REMOTE CONTROL VALVE
NOT TO SCALE



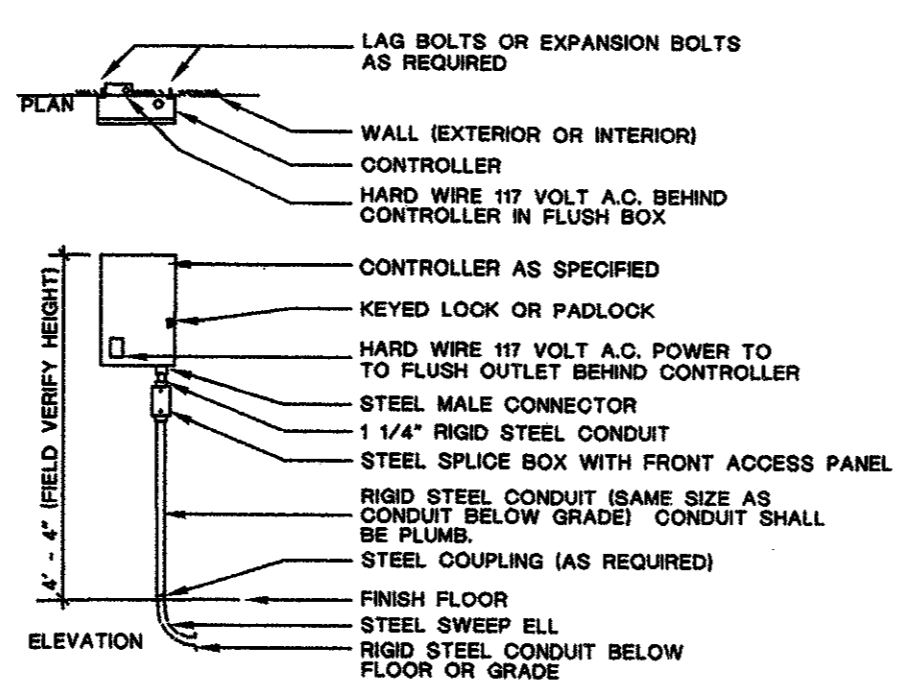
08 SLEEVE DETAIL
NOT TO SCALE



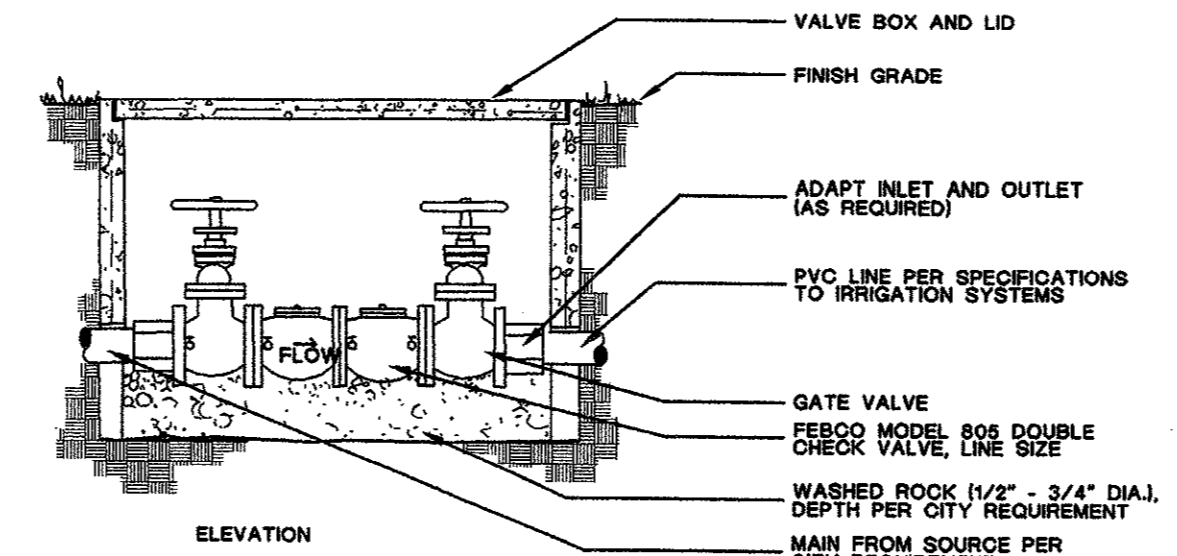
09 POP-UP LAWN SPRAY ASSEMBLY
NOT TO SCALE



10 QUICK COUPLER
NOT TO SCALE



11 WALL MOUNTED CONTROLLER
NOT TO SCALE



12 BACKFLOW PREVENTER
NOT TO SCALE

IRRIGATION LEGEND

- WEATHERMATIC LX-4 POP-UP LAWN HEAD
- ⊗ WEATHERMATIC LX-12 POP-UP SHRUB HEAD
- WEATHERMATIC TURBO ROTARY FC
- WEATHERMATIC TURBO ROTARY PC
- ⊗ 106.5 BUBBLER (2 PER TREE)
- ⊕ WEATHERMATIC 11000 SERIES ELECTRIC VALVE
- ▲ WEATHERMATIC V075R QUICK COUPLER
- CONTROLLER, SIZE AS INDICATED
- WATER METER, SIZE AS INDICATED
- D.C.A., SIZE AS INDICATED
- PVC CLASS 200 LATERAL LINE
- PVC CLASS 200 MAINLINE
- - - PVC SCHEDULE 40 SLEEVING
- VALVE SIZE
- GPM

SLEEVING NOTES

1. Contractor shall lay sleeves and conduits at twenty-four (24") inches below finish grade of the top of pavement.
2. Contractor shall extend sleeves one (1') foot beyond edge of all pavement.
3. Contractor shall cap pipe ends using PVC caps.
4. All sleeves shall be Schedule 40 PVC pipe.
5. Contractor shall furnish Owner and Irrigation Contractor with an 'as-built' drawing showing all sleeve locations.

IRRIGATION PERFORMANCE SPECIFICATIONS

1. All sprinkler equipment numbers reference the Weathermatic equipment catalog or approved equal.
2. ELECTRIC CONTROL VALVES shall be: #11000 CR installed per detail shown. Valves shall be installed in valve boxes large enough to permit manual operation, removal of solenoid and/or valve cover without earth excavation.
3. QUICK COUPLING VALVES shall be: #V075R, 1" Quick Coupler with vinyl yellow cover installed per detail shown. Swing joints shall be constructed using 3/4" Schedule 80 elbows. Contractor shall supply owner with three (3) couplers and three (3) swivel hose ends as part of this contract.
4. SLEEVES shall be: PVC Schedule 40.
5. MAINLINE PIPE shall be: PVC Class 200 or better, SDR-21 Solvent Weld.
6. LATERAL PIPE shall be: PVC Class 200 or better, SDR-21 Solvent Weld.
7. HEADS shall be: Weathermatic pop-ups or approved equal.
8. All 24 volt wiring is to be UF 14 single conductor. All wire splices are to be permanent and waterproof.
9. Irrigation Notes, Details and Specifications shall be used as a directive for irrigation layout and installation.
10. All main line and lateral piping shall have a minimum of 12 inches of cover. All piping under paving shall have a minimum of 18 inches of cover. Contractor required to verify freeze depth of area and adjust depth accordingly.
11. Contractor shall submit head layout and material list to Architect and Owner for review and approval prior to installation. Refer to Guidelines below:
 - a. lawn and planting beds to be on separate zones.
 - b. north and east sides of buildings to be zoned separately from south and west sides.
 - c. utilize 12" pop-ups in planting beds and 4" pop-ups in lawn areas.
 - d. utilize bubblers on trees when trees are located in large lawn areas that use rotary heads.
 - e. utilize rain and freeze sensors.
12. Plans shall be drawn to scale. Contractor shall submit 'as-built' record drawing of complete irrigation system to Owner and shall include but not limited to the following: mainlines, valves, quick couplers, irrigation meter and gate valves.
13. Square spacing of heads shall not be permitted. All heads to be 'head-to-head' spacing.
14. Contractor shall be responsible for verifying conditions of existing irrigation system, if present on site. Contractor shall be responsible for maintaining the integrity of existing irrigation where possible, including but not limited to irrigation controller, meter, sleeving, etc.
15. The irrigation contractor shall coordinate installation of the system with the landscape contractor so that all plant material will be watered in accordance with the intent of the plans and specifications.
16. The irrigation contractor shall select the proper arc and radius for each nozzle, insure 100% coverage of all lawn areas, insure no water spray towards the building and insure that water does not throw onto sidewalks or streets.

PLANTING NOTES

1. Clearing of existing planting islands shall consist of the satisfactory removal and disposal of existing plants occurring within all planting areas as noted below:
 - A. All shrubs and existing groundcover shall be removed and discarded from the site within (24) hours of shrub removal.
2. Backfill: All planting areas shall be backfilled with Sandy Loam as needed. It shall be without admixture of subsoil or slag and shall be free of stones, lumps, sticks, plants, or their roots, toxic substances, or other extraneous matter that may be harmful to plant growth or would interfere with future maintenance.
3. Prepared Soil Mix: Organic compost material shall be a mixture of 80% vegetative matter and 20% animal waste. Ingredients shall be a mix of coarse and fine textured material, vital earth, back to earth or approved equal.
4. Mulch: Mulch shall be Double Shredded Hardwood Bark Mulch of relative uniform particle size with a median size of one (1") inch and shall be free of sticks, stones, leaves, and any other debris.
5. Organic Fertilizer shall be Fertiland, Maestro-Gro, Manella, Sustain, Agrispon, bat guano or earthworm castings as recommended for required applications. Fertilizer shall be delivered to the site in its original unopened containers, each bearing the manufacturer's guaranteed statement of analysis.
6. Prepare new planting beds by backfilling planting areas with 4"-6" of prepared soil mix and tilling to depth of four (4") inches.
7. Apply organic fertilizer such as Fertiland, Maestro-Gro, or Sustain @ 20 lbs / 1,000 sq. ft. at the rate of 1 lb. of nitrogen per 1,000 sq. ft.
8. All planting areas shall receive two (2") inch layer minimum settled thickness, of Double Shredded Hardwood Bark Mulch after plant material has been installed.

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REVISION

JOB NUMBER
03109

DATE
2.20.04

SHEET NUMBER

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