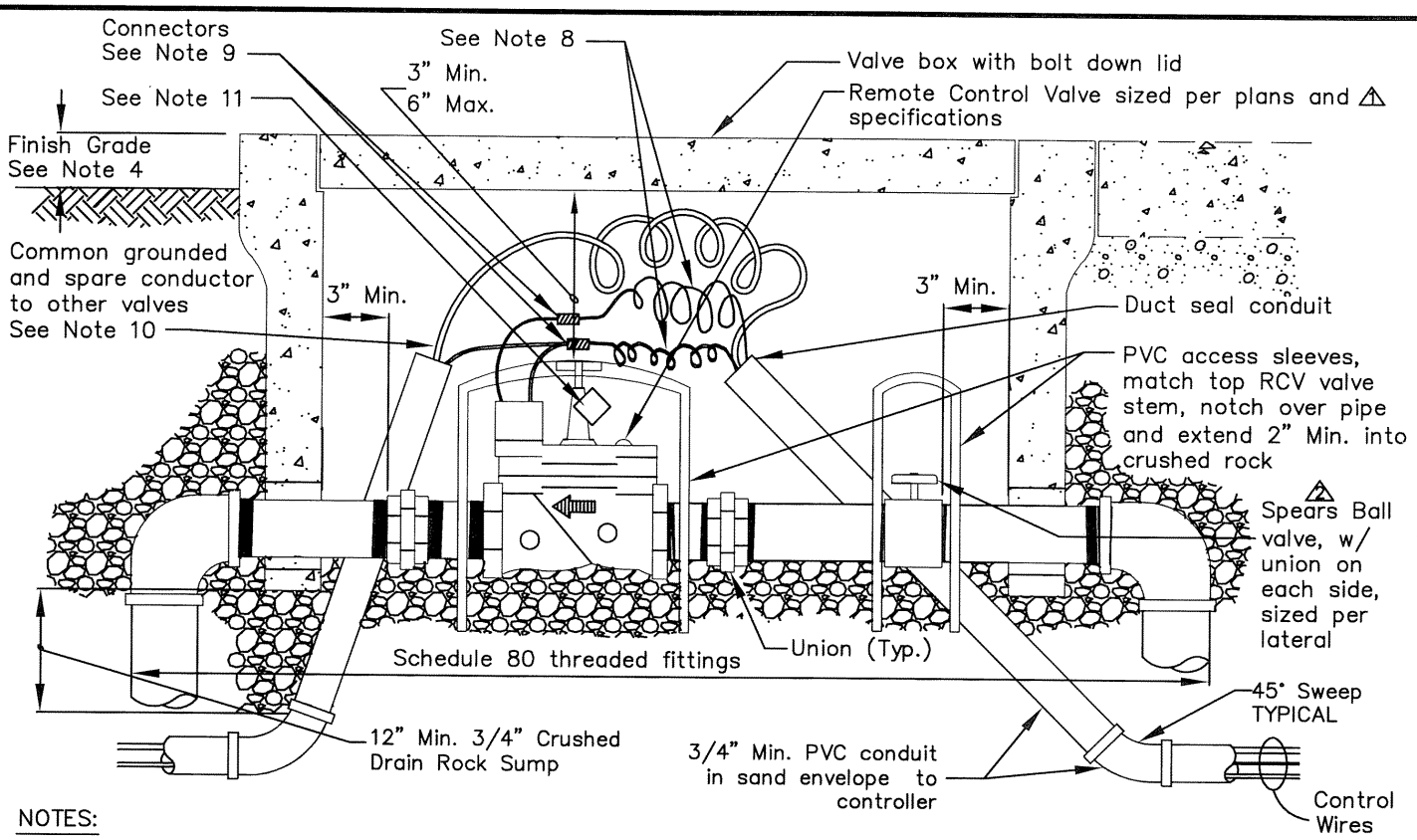

NOTES:

1. All work shall be done in accordance with the Standard Specifications for Public Works Construction, the "GREENBOOK", the most current edition and all supplements thereto, adopted by the Southern California Chapter of the American Public Works Association and the Special Provisions (Technical Specifications) thereto adopted by the City.
2. All threaded pipe and fittings shall be Schedule 80 PVC. Solvent welded pipe and fittings shall be Schedule 40 PVC. Approved teflon based pipe compound shall be used on all threaded connections.
3. ⚠2 Remote control valve for 24 volts system shall be Toro P220–27 Brass valve w/side inlet outlet series.
4. RCV's for solar powered systems only, shall be Griswold 2000 series and shall have their 24 volt selenoids replaced with LEMA 1527 S series Micropower Actuators. Refer to Solar Energized Irrigation Controller Dwg.406 Case 3101
5. Install valve box to match finished grade in turf areas and paved areas and 1" above grade in other landscaped areas. Set valve boxes in ground cover/shrub areas where possible. Install in turf or paved areas only if ground cover/shrub areas do not exist. Valve boxes shall be laid out per Dwg. 412 Case 3101.
6. Valve box shall be Christy Fiberlyte FL30 box 13" X 24" min. or approved equal in landscaped areas and Christy reinforced concrete N30 box in paved areas. Traffic rated steel checker plate cover shall be used in parking areas subject to vehicular traffic. Boxes in roadways shall be H/20 rated minimum. All box covers shall be bolt down type and "IRRIGATION" cast in cover.
7. Close nipples shall not be used. Unions may be integral with valves.
8. Crushed Rock shall cover valve box pipe openings to prevent soil entry.
9. Provide 36" of excess wire in 1" diameter coil for each conductor.
10. Water proof connectors shall be Spears or Ewing DS 400 Dri–splice connectors or approved equal.
11. The color of low voltage conductor insulation shall be homogeneous throughout the entire thickness of the insulation. Each RCV shall have a white #12 min. common grounded (neutral) conductor and a #14 min. THW, or THWN control conductor with a unique color for each station. Include a pull rope and one spare conductor to each RCV location. Each conductor shall be identified with adhesive wrap around marker with clear heat shrinkable sleeves sealed over marker. All control wires shall be installed in conduit – **direct burial prohibited**.
12. Each valve shall be tagged by the appropriate letters and numbers to identify controller and station number. The labels shall be a minimum of 2"x3"x1/8" thick neatly trimmed into rectangular shape. The letters and numbers shall be integrally molded or heat embossed on an ultraviolet light resistant polyurethane tag. The letters and numbers shall be black on yellow polyurethane a minimum of 1" high.
13. Refer to Irrigation Trench Dwg. 400 Case 3101 for minimum cover, backfill, resurfacing, and other requirements.

ACAD FILE NO. C3101D418 Rev2.dwg

CITY OF SAN LEANDRO * STANDARD PLANS

NO.	REVISIONS	DATE	BY
⚠2	Rev note 3.	7/12/12	AO
	removed all metric dims.	7/12/12	AMS

REMOTE CONTROL VALVE

APPROVED
Kenneth Joseph, City Engineer R.C.E. No.34870
Expires 9/30/13

DRAWN	CHECKED	DATE	SCALE	SHEET
GF/MLWH/JL	KJ/KRC	May 2002	NONE	1 OF 1

DWG. NO. 418 CASE. 3101