IRRIGATION LEGEND & NOTES

SYMBOL	MATERIAL TYPE	MANUF/MODEL NO.
	POP UP LAWN HEAD-90°,180°,ADJ,EST,OST	TORO 570P-18-Q,-H,-ADJ,-EST,-OST.
	POP UP SHRUB HEAD-90°,180°,EST,OST,EST/ADJ	TORO 570 HP-15-Q,-H,-9-EST,-4-OST,-4-EST,-15-ADJ.
	BUBBLER	TORO 570-30
	AUTOMATIC VALVE	RAINBIRD PE-PRS SERIES
	AUTOMATIC CONTROLLER	IRRITROL MC-12
	BACKFLOW PREVENTER / PRESSURE REDUCER / BRASS GATE VALVE IN BOX	FEBCO 825Y-1½"ϕ / WATTS U5-1¼ϕ
	NON PRESSURE LATERAL	CLASS 200 PVC-SIZE AS SHOWN.
	PRESSURE MAIN	SCH 40 PVC-2"ϕ
	QUICK COUPLER VALVE	RAINBIRD #33LVC

NOTES:

1. REVIEW SITE PRIOR TO BID.
2. INSTALL VALVE AT HIGH POINT OF STATION.
3. VALVES 7&8 SHALL HAVE HEADS ON 6" POP UP RISERS.
4. LOCATE BACKFLOW AT HIGHPOINT.
5. EVERY HEAD ON SITE SHALL HAVE A KB1 ADJUSTABLE IN LINE CHECK VALVE, ADJUST TO FIELD NEEDS.
6. METER SHALL BE A BADGER, RECORD ALL #70-1" SIZE COORDINATE W/GEN. CONTRACTOR.
7. STATION NO. / VALVE SIZE / GPM

IRRIGATION NOTES

1.00 GENERAL

1.01 The irrigation system shall be installed in conformance with all applicable local codes and ordinances by a licensed Landscape Contractor who shall obtain all necessary permits and pay all required fees.

1.02 No changes in materials shall be allowed without the prior written approval of the Landscape Architect.

1.03 This system is diagrammatic. All piping, valves, etc. shown within paved areas is for design clarification only and shall be installed in planting areas where possible. Avoid any conflicts between the sprinkler system, planting and architectural features.

1.04 It is the responsibility of the Irrigation Contractor to familiarize himself with all grade differences, location of walls, retaining walls, etc. The Contractor shall coordinate the work with the General Contractor and other sub-Contractors for the location and the installation of pipe sleeves through walls, under roadways, paving, structures, etc.

1.05 The drawings are diagrammatic and schematic in nature. Do not scale drawings. When it is obvious in the field that obstructions, grade differences or differences in the area dimensions exist that might not have been considered in the engineering, the obstruction or differences should be brought to the attention of the Landscape Architect. In the event this notification is not performed, the Contractor shall assume full responsibility for any revisions necessary.

1.06 The Contractor shall install the system as shown and make other field adjustments as needed to provide uniform coverage at no added cost. Contractor shall guarantee 100% coverage of all planting areas.

1.07 The Contractor shall coordinate his work with other trades and protect materials installed by or during the performance of his work. All repairs shall be made at no cost to the owner.

1.08 The Contractor shall flush and adjust all sprinkler heads for optimum performance and to prevent overspray onto walks, roadways and/or building as much as possible. This shall include selecting the proper nozzle or arc to fit the existing site conditions and to throttle the flow control at each valve to obtain the proper operating pressure for each system.

1.09 The Contractor shall provide owner with a complete operating system and a clean set of marked prints as "As-built" drawings. Reference all main line branches with dimensions to nearest building or paving.

1.10 The Contractor shall maintain the irrigation system during the maintenance period.

2.00 BACKFLOW PREVENTER

2.01 The meter(s)indicated on the drawing(s) is supplied and installed by others unless otherwise indicated. The Contractor is responsible for furnishing all proper fittings after the meter(s).

2.02 All piping between the point of connection and backflow preventer and/or vacuum breaker shall be of materials and installation methods required by local codes.

2.03 Install backflow prevention device in accordance with local code.

2.04 If the backflow preventer is located in a lawn area, it shall be located ~~[illegible]~~ as per local code. Where the backflow preventer is located in a shrub bed, the Contractor shall locate the device to be screened by shrubs.

3.00 TRENCHING

3.01 Pipes shall be covered as follows: lateral lines, 12" minimum coverage, main lines 18" minimum coverage, lines under paving 24" minimum coverage, or as noted on plan.

3.02 All backfill shall be free of rocks greater than 1" diameter.

3.03 In addition to the control wire sleeves shown on the drawings, the Irrigation Contractor shall be responsible for providing additional control wire sleeves if required during construction of all paved areas.

3.04 ~~[illegible]~~ TO BE IN PLACE AT COMPLETION.

4.00 AUTOMATIC CONTROLLER

4.01 The automatic controller shall be wall-mounted (unless noted otherwise on drawings) approximately 50 inches above grade. A galvanized iron sleeve shall be provided for all electrical wiring from the controller to 18" below grade. Provide the power line shall be enclosed as per electrical code. The Contractor shall connect the controller to power provided by others.

4.02 Install U.L. approved direct burial wire #14 min. and #14 common ground at depth of 18 inches. See valve wiring chart for stated wire. Leave 36 inches excess coil at valves and at 100 intervals. Either wires into a bundle and tape at 20 foot intervals.

5.00 ASSEMBLIES

5.01 Install remote control valves in Brooks 700 valve box or approved equal—marked "Irrigation". Locate boxes in ground cover areas whenever possible, and approximately 12" from paving or curbs. Keep valve boxes away from entry walks.

5.02 Install all heads on double Marlex street ell and sch. 80 risers (grey). Coat all pipe threads with Teflon lubricant.

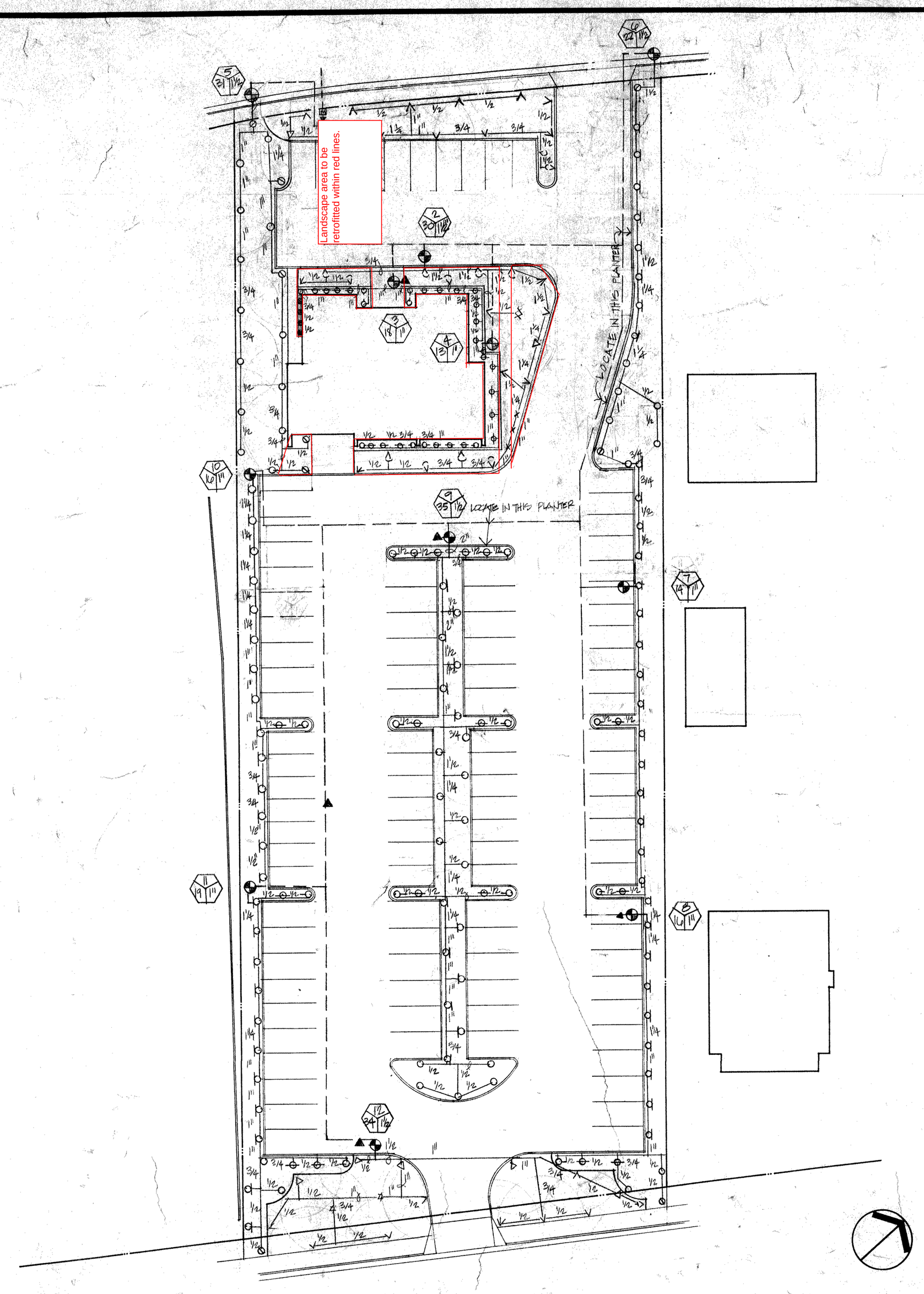
5.03 All risers or risers above grade shall be located 8" from adjacent buildings or walls, or as indicated.

5.04 All heads at grade shall be located 2" from paving or curbs, or as indicated.

5.05 Install bushings or 90°s a minimum of 12 inches from curbs or paving and on double swing assembly with sch. 80 ells and nipples. Coat all joints with Jet-Lube or equal.

6.00 GUARANTEE/WARRANTY

6.01 Irrigation system shall be guaranteed for one (1) year against any defects of workmanship or materials. Contractor shall repair any work within ten (10) days at no cost to owner. Vandalism or abuse by others is excluded from this warranty.



SCOTTS VALLEY WATER DISTRICT

HEAD QUARTERS BLDG.

CIVIC CENTER DR.
SCOTTS VALLEY CA

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GENERAL NOTES:
CONTRACTOR SHALL FIELD VERIFY ALL JOB CONDITIONS AND DIMENSIONS. VARIATIONS THEREOF FROM THE DRAWINGS MUST BE REPORTED TO THE ARCHITECT

DETAILS INDICATED ON THE DRAWINGS ARE REPRESENTATIVE AND TYPICAL. ALL ATTACHMENTS AND CONNECTIONS SHALL CONFORM TO BEST PRACTICE AND SHALL BE THE CONTRACTOR'S RESPONSIBILITY

THIS DRAWING EMBODIES IDEAS, DESIGNS, ARRANGEMENTS, PLANS AND SPECIFICATIONS WHICH ARE PROPRIETARY TO DEVCON CONSTRUCTION INC. AND WHICH WERE DESIGNED, CREATED, EVOLVED AND DEVELOPED FOR USE SOLELY IN CONNECTION WITH THE SPECIFIED PROJECT. NO TRANSFER OF ANY RIGHTS THERETO IS INTENDED OR EFFECTED BY DELIVERY HEREOF, AND EXCEPT UPON THE WRITTEN PERMISSION OF DEVCON CONSTRUCTION INC. THE DRAWING IS NOT TO BE DISCLOSED TO OTHERS, REPRODUCED OR COPIED IN WHOLE OR IN PART, OR USED IN THE FABRICATION OR CONSTRUCTION OF BUILDINGS, STRUCTURES, FOUNDATIONS, OR ANY PORTIONS THEREOF, FOR OTHER THAN THE SPECIFIED PROJECT

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REVISIONS

NO.	DATE			DESCRIPTION	BY
1	1	20	88	DRIVEWAY & STAIR LOCATION @ CIVIC CENTER DR	MKY

IRRIGATION PLAN

SCALE 1"=20'

JOB NO. 87.129	SHEET NO.
DATE 11 27 88	L-2
DRAWN MK	
CHECKED	OF SHEETS
APPROVED	