IRRIGATION QUANTITIES

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Irrigation quantity tables show the irrigation bid items and quantities used on the project. Tables do not include pipe fittings or control and neutral conductors because pipe fittings are included in supply line bid items and control and neutral conductors are a lump sum bid item.

Irrigation quantity tables are divided into two parts. The second part consists of a table that quantifies all of the irrigation bid items that are installed on the "Main Supply Side of the Control Valve" (including control valves) organized by irrigation plan sheet. The total quantites are to match the project Bid Item List (before rounding).

See "Summary of Quantities" narrative in Section 2-2.19 and Generic Summary of Quantities example sheet for additional information about standards for tables, e.g. text, line weight, etc.

Use Excel spreadsheet or cell from Cell Library to generate quantity tables.

If using Excel files, place the completed electronic files in the Resident Engineer's file for use during construction.

GATE VALVES are to be used to divide large irrigation systems into smaller sections so that if there is a malfunction in a section, may be isolated while the other sections remain functional.

GATE VALVES are typically installed at each end of an Irrigation Conduit.

BALL VALVES are used upstream of electric remote control valves connected to a manifold. Do not use ball valves at an Irrigation Conduit.

IRRIGATION QUANTITY (MAIN SUPPLY SIDE OF CONTROL VALVE)

Edit the column headings to match the bid items used on the project, including sizes.

Split the column for each kind of item

into as many sizes as are used on the

project. Delete unused columns.

	IRRIG CONTR			ITER			VALVE								(SUPPLY L		INE)		
SHEET No.	16-18 STATION (PEDESTAL MOUNTED)	24-32 STATION (WALL MOUNTED)	COPPER PIPE (SUPPLY LINE)		BACKFLOW PREVENTER ASSEMBLY	FLOW SENSOR	110	PRESSURE REGULATING	REMOTE	CONTROL	DRIP ASSEMBLY	BALL	L + V	GA I E	CAM COUPLER ASSEMBLY	PLASTIC PIPE	PLASTIC PIPE (CLASS 315)		
		24- (WAI	Χ''	Χ''	Χ''	X''	Χ''	Χ''	X''	X"	Χ''	X''	Χ''	X''	Χ''	X''	Χ''	Χ''	
	EΑ	EΑ	LF	LF	EΑ	EΑ	EΑ	EΑ	EΑ	EΑ	EΑ	EΑ	EΑ	EΑ	EΑ	LF	LF	LF	
IP-1																			Ī
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TOTAL																			

When there are items that are installed on both the lateral supply side and the main supply side

- On the lateral supply side quantity table, show the quantity used on the lateral side of the valve and mark it with an asterisk. Place the note "* Included on IO-2" (sheet number as required) below the table.
- the valve are listed in rows by sheet number. Insert a SUBTOTAL row for the sums of the quantities used on the main supply side of the valve.
- Use this row to carry over the quantities used on the lateral supply side of the valve (which were marked with an asterisk on IQ-1). Leave unused cells blank, do not enter a dash.
- the quantities of those items which are used on both the lateral and the main supply sides. Show this quantity on the Bid Item List. Do not create a separate "Total Quantities" table

The column headings are the descriptions and pay units from the Bid Item List. Portions of bid item description common to multiple bid items can be combined as shown here (i.e., "(Supply Line)" or 'Valve" in various types and sizes.

If there is no entry in a cell, leave it blank, do not enter a dash.

See "Generic Landscape Plan sheet, Basic Required Information" for notes regarding commas and decimals in quantity tables.

(e.g. $2\frac{1}{2}$ " class 315 plastic pipe), the quantities for those items are carried forward from the lateral supply quantity table to the main supply table as follows:

On the main supply side quantity table on IQ-2, quantities of items used on the main side of

- Insert an additional row below the subtotal row. Label it "FROM IQ-1" (sheet number as required).
- Use the "TOTAL" row to show the sum of the items used on the supply side of the valve including duplicating all the items from the lateral supply side.

(See Example B4, sample).

IRRIGATION QUANTITIES

IQ-2

LANDSCAPE, IRRIGATION AND PLANTING EXAMPLE B2, IRRIGATION QUANTITIES (MAIN SIDE)

USERNAME =>s111271 BORDER LAST REVISED 7/2/2010 DGN FILE => Example-B2_I02Main_Instruct.dgr RELATIVE BORDER SCALE IS IN INCHES

UNIT 0000

PROJECT NUMBER & PHASE

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