

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
LICENSED LANDSCAPE ARCHITECT Signature _____ Renewal Date _____ Date _____ PLANS APPROVAL DATE _____					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					

IRRIGATION QUANTITIES

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 first part consists of tables that quantify all of the irrigation bid items that are installed on the "Lateral Supply Side of the Control Valve". There is one table for each irrigation controller. Irrigation bid items are quantified by their respective valve number (station) and subtotaled for all the valve numbers for each irrigation controller.

COLUMNS

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. Omit columns that are not used by any of the irrigation controllers. Make the column headings identical for each irrigation controller table, even if there isn't an entry for one of the controllers in a given column. This makes all tables consistent and therefore easier to read.

A column for CHECK VALVE is required only if there are additional check valves beyond those included in the sprinkler assemblies.

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.

ROWS

Do not include rows for valve numbers (stations) that are not used on a specific irrigation controller.

IRRIGATION CONTROLLER LETTER

Include one table for each irrigation controller on the project. Edit the controller letter under the first column and after Subtotal at the bottom of the table. Use the same controller letters as shown on the irrigation plans. If more than 26 controllers are used, begin the alphabet again with double letters, i.e. AA, BB, etc.

SUBTOTAL

Unless there is only one irrigation controller on the project, use subtotal instead of total for each table. The subtotal represents the quantity only for the irrigation controller identified in the individual table.

IRRIGATION QUANTITY (LATERAL SUPPLY SIDE OF CONTROL VALVE)

CONTROLLER LETTER	VALVE NUMBER	SPRINKLER ASSEMBLY												
		PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)			DRIP IRRIGATION TUBING	CHECK VALVE	TREE WELL	RISER (GEAR DRIVEN)	POP-UP (GEAR DRIVEN)	RISER	POP-UP			
		X" LF	X" LF	X" LF	X" LF	EA	EA	EA	EA	EA	EA			
	1													
	2													
	3													
	4													
	5													
	6													
	7													
	8													
	9													
	10													
	11													
	12													
	13													
	14													
	15													
	16													
	17													
	18													
	19													
	20													
	21													
	22													
	23													
	24													
	SUBTOTAL A													

CONTROLLER LETTER	VALVE NUMBER	SPRINKLER ASSEMBLY												
		PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)			DRIP IRRIGATION TUBING	CHECK VALVE	TREE WELL	RISER (GEAR DRIVEN)	POP-UP (GEAR DRIVEN)	RISER	POP-UP			
		X" LF	X" LF	X" LF	X" LF	EA	EA	EA	EA	EA	EA			
	1													
	2													
	3													
	4													
	5													
	6													
	7													
	8													
	9													
	10													
	11													
	12													
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	15													
	16													
	17													
	18													
	19													
	20													
	21													
	22													
	23													
	24													
	SUBTOTAL B													
	SUBTOTAL A													
	TOTAL													

BID ITEMS

The column headings are the descriptions and pay units from the Bid Item List. Portions of bid item descriptions common to multiple bid items can be combined as shown here (i.e., "Plastic Pipe (Schedule 40) (Supply Line)" in various sizes and "Sprinkler Assembly."

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

On the final table, the top subtotal is for that table (the final controller).

On the final table add a row for each of the other irrigation controllers (by letter) and transfer the subtotals from the other tables.

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

The combined subtotals for all "Lateral Supply Side of Control Valve" tables are totaled here. The quantities typically match the Bid Item List (before rounding). Items that are installed on both the lateral supply side of the control valve and the main supply side of the control valve (e.g. supply line of the same size and material) should be shown as follows:

- Place an asterisk in the cell with the total quantity used on the lateral supply side of the control valve.
- Place the following note below the table:
 "* INCLUDED ON IQ-2" Irrigation Quantity (Main Supply Side of Control Valve) (sheet number as required).
 (See Example B3, sample).

LANDSCAPE, IRRIGATION AND PLANTING EXAMPLE B1, IRRIGATION QUANTITIES (LATERAL SIDE)

IRRIGATION QUANTITIES IQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT

DESIGNED BY

CHECKED BY

REVISOR

DATE

REVISED BY

DATE

REVISOR

DATE

EXAMPLE B1 IRRIGATION QUANTITIES (LATERAL SIDE) INSTRUCTIONS - RELEASED 04/23/2020