



Workflow 1: Calculating "By Each" Quantities

To access this workflow, follow this link:

http://www.cflhd.gov/cadd/CaddManDocs/Creating A New MicroStation Design File.pdf

1. Select the item or items that you want calculated using the D & C Manager item list. Double-clicking on the item to be calculated will populate collection box at the bottom.

2 Design and Computation Manager	
<u>Fi</u> le <u>E</u> dit <u>S</u> ettings F <u>a</u> vorites <u>H</u> elp	
产 id 🔲 🥙 🗬 🔜 👫 🔛	
Division_400	
Division_500	
Division_600	
Section 601	
CO2011000 24 inch size subust	
El 202011200 24 inch pipe culvert	
El CO2011 200 36 inch pipe culvert	
502011400 46 inch pipe cuivert	
60206000 End section for 36 inch pipe curvert	
602060960 End section for 48 inch pipe culvert	
E Section 609	
🗁 Section 617	
🗁 Section 618	
💼 Section 620	-
	+
📾 602060700 End section for 24 inch pipe culvert	

Figure 10-5: Item Selection

2. Make sure the Job Number and Chain Name are correct. Set the Extents to View, Fence, or Active Design File. Select Compute Quantities.

8 Plan Quantity Computation					
Job: 101 🔍 Extents: View 🔻	Inside 🔻 🛄				
Baseline Reference					
Chain 🔻 MAIN 💽 💦 🔽 Begin Station:	10+00.00 🚸				
I Range: 100.00 I I End Station: ∫	115+66.87 ↔				
Hilte During Computation					

Figure 10-6: Compute Dialog





3. This will bring up the following dialog box:



Figure 10-7: Computation Results Dialog

4. To get an itemized calculation (Station and Offset to each item), change the Export Format from Item Report to Comp Book, then give it an output file name similar to the following:

ŧ	Computation	Results		
	Item 602060700	Description End section for 24 inch pipe culvert	Quantity Unit 4.00 EA	t Export
	Export Format: <u>C</u> Run:	omp Book 💌 way\Design\pipe.cmp	<mark>∠ Create</mark> ▼	Export Display

Figure 10-8: Computation Results Dialog for Comp Book

- 5. Select Export.
- 6. The following report will be created:

Date: 4/25/2006	10:46:15 AM			Page	No. 1			
Pay Item No. 602060700 Unit:EA File Name: c:\Your_Project\Roadway\Design\pipe.cmp								
Pay Item Name: End section for 24 inch pipe culvert								
 Baseline	Station	Offset	Northing	 Easting	Quantity			
 	 	 ·		 				
MAIN	20+01.42	-23.97	523103.2502	1832584.5340	1.00			
MAIN	19+98.80	12.83	523124.3845	1832573.1610	1.00			
MAIN	17+17.89	25.53	523283.6007	1832794.6399	1.00			
MAIN	17+12.85	-23.11	523250.4473	1832831.9375	1.00			
+ Totals +	Unit:EA			l	4.00 +			

Figure 10-9: Output