

Abbreviations:

BCY = bank cubic yards (or Raw Volumes)	SF = square feet
LCY = loose cubic yards (swell factor)	B.O.C. = bottom of concrete
CCY = compacted cubic yards	(# ,###) = negative number
SG = subgrade	AS = as shown

**PCR Manufacturing
plan dated 02/12/2002**

Takeoff by:	B. Kresge
Summary by:	R. Pifer
Summary date:	3/19/2002

Earth_Swell	1.189
Rock_Swell	1.500
<i>(Compaction & Swell Assumptions)</i>	
BCY%	88.00% Existing
LCY%	74.00% Swelled

See Note 2

Agtek File: PCR Manufacturing E 1.0, PCR Manufacturing W 1.0		(See Note 1)											VOLUMES ADJUSTED FOR SWELL & COMPACTION ASSUMPTIONS						Approx.		
		DISTURBANCE AREA & STRIPPING					RAW CUT & FILL VOLUMES						Earth	Rock	Proposed	LOOSE CUBIC YARDS			Grade		
		Subgrade	Cut, Surface	Fill, Surface	Total	Area	6" Strip	Cut Earth	Cut Rock	Total Cut	Fill	Balance	Swell	Swell	Compaction	Cut	Fill	Balance	Adjust to		
			SF	SF	SF	Acres	BCY	BCY	BCY	BCY	BCY	BCY	1.189	1.500	Percent	LCY	LCY Required	LCY	Balance		
ALL AREAS																					
	Building Areas	0.83'	86,813	118,310	205,123	4.71	3,799	13,759	0	13,759	13,662	97	16,359	0	95.00%	16,359	17,539	(1,180)	- 0.16'		
	Landscape Areas	0.50'	316,941	236,162	553,103	12.70	10,243	51,795	0	51,795	25,402	26,393	61,584	0	90.00%	61,584	30,894	30,690	+ 1.50'		
	Pavement Areas	var	210,568	286,231	496,799	11.40	9,200	22,632	0	22,632	29,962	(7,330)	26,909	0	95.00%	26,909	38,465	(11,556)	- 0.63'		
	Pond Areas	0.50'	183,329	35,720	219,049	5.03		49,250	0	49,250	2,168	47,082	58,558	0	95.00%	58,558	2,783	55,775	+ 6.87'		
	∑.		0	0	0	0.00	0	0	0	0	0	0	0	0	90.00%	0	0	0			
	TOTALS		797,651	676,423	1,474,074	33.84	23,242	137,436	0	137,436	71,194	66,242	163,410	0		163,410	89,681	73,729	+ 1.35'		
												Excess topsoil =	8,942					Excess topsoil swelled 25% =	11,178		
												Total Excess (Borrow) Material =	75,184					Total Excess (Borrow) Material =	84,907		+ 1.56'

NOTES:

1 TOPSOIL volumes are NOT included in the RAW and ADJUSTED cut & fill volumes. All earth volumes are calculated, after stripping and to proposed subgrade.

Redistribute Topsoil, 6" thick		85,800±	SY
• Topsoil Required	6"	14,300	CY
• Excess Topsoil		8,942	CY

2 The last column shows the approximate finish grade adjustment required to achieve a balanced site.

3 Pavement areas above are not to be used for exact pavement areas -- e.g. islands are sometimes included within pavement earthwork areas.

This takeoff has been prepared by Walsh Estimating Service, a division of Maracorp International:

Although we have been careful to assure that all items are correct, we make no guarantee beyond the cost of our work. The contractor has the final responsibility for completeness and accuracy in the preparation of his bid.

By acceptance of this takeoff, the purchaser agrees to the following statement:

"I do hereby release and hold harmless Walsh Estimating Service, Maracorp International, Ed Walsh, and his employees from any and all errors and omissions beyond the invoiced value of services rendered."