

FIGURE 6.12 Properties of a mass diagram.

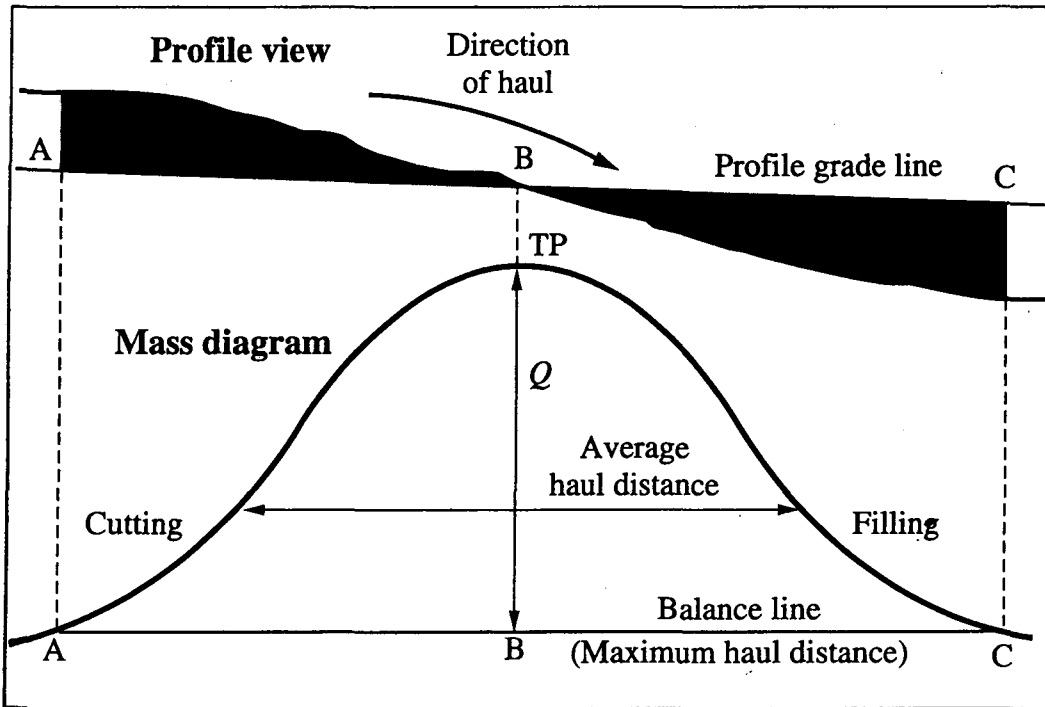
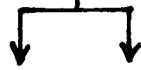


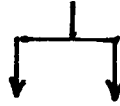
FIGURE 6.13 Mass diagram with a balance line.

SHRINKAGE = 11%

FROM SECTIONS
ON PLANS



VOLUME OF
ORGANIC SOIL

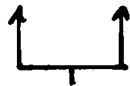


9x1.1
SHRINKAGE

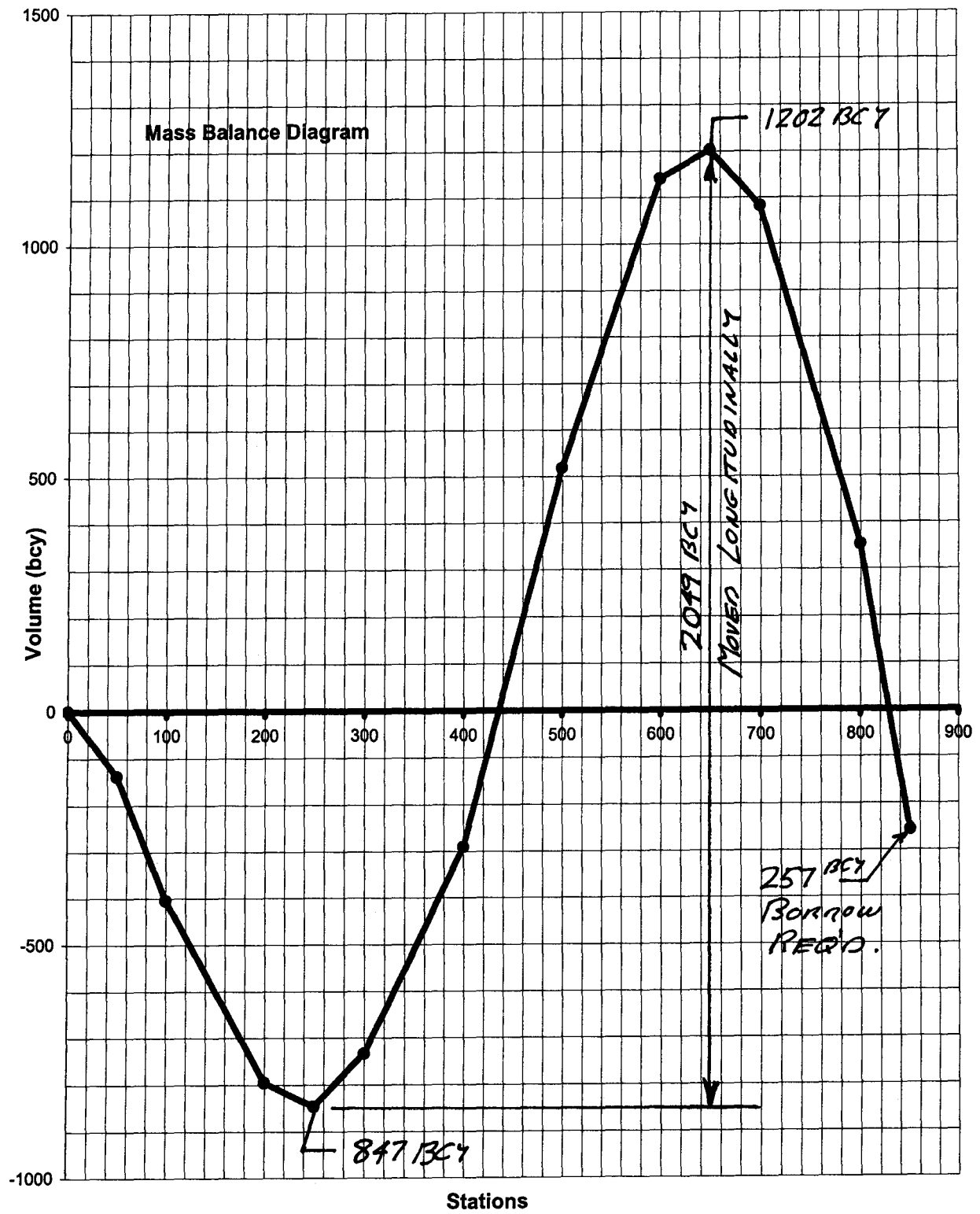
RUNNING
TOTAL OF 11

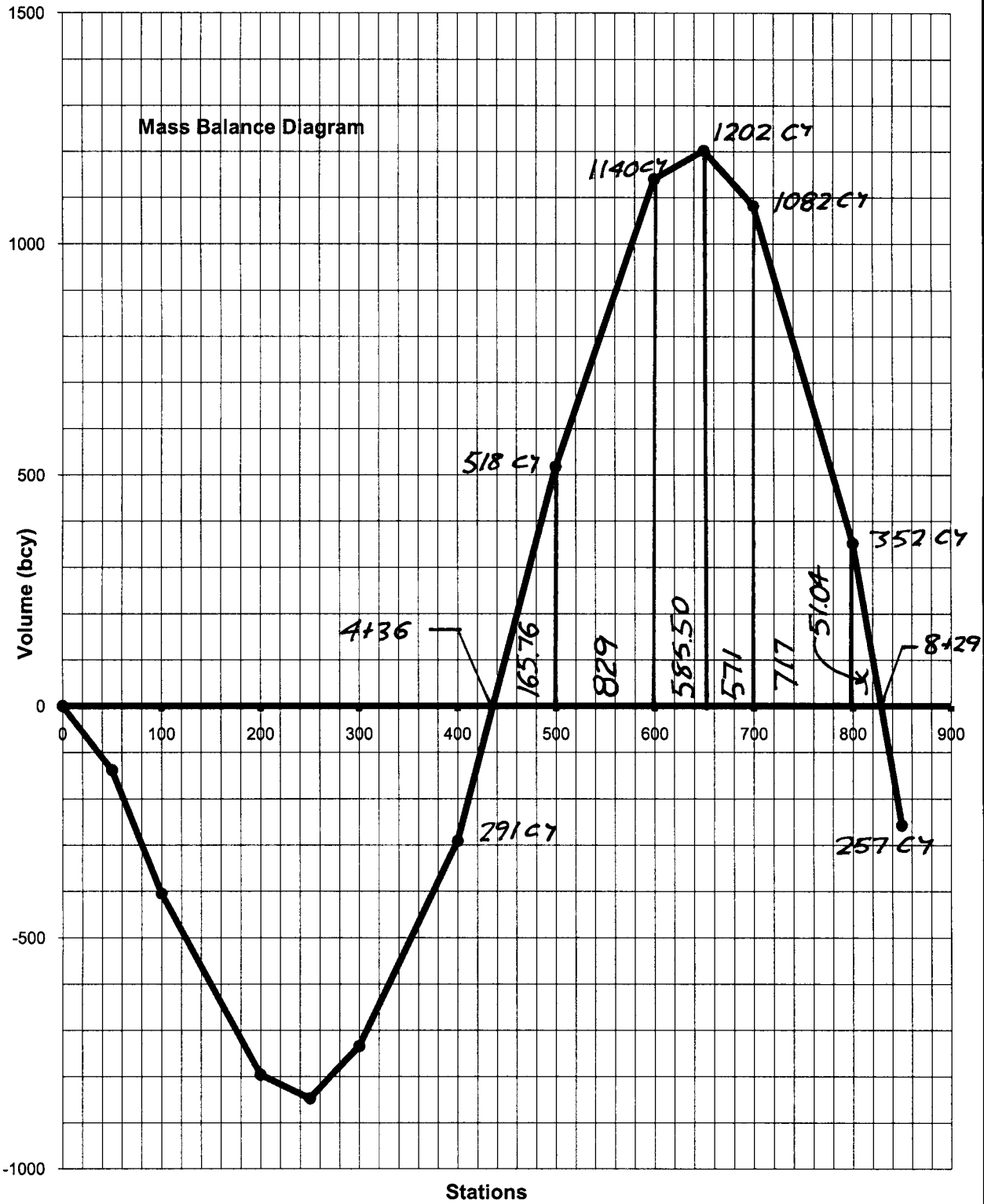
4-6 5+7 ↓ 8-10 ↓

Station (1)	End- area cut (sf) (2)	End- area fill (sf) (3)	Volume of cut (bcy) (4)	Volume of fill (ccy) (5)	Stripping cut (bcy) (6)	Stripping fill (ccy) (7)	Total cut (bcy) (8)	Total fill (ccy) (9)	Adj. fill (bcy) (10)	Algebraic sum (bcy) (11)	Mass ordinate (12)
0 + 00	0	0									
0 + 50	0	115	0	106	0	18	0	124	138	-138	-138
1 + 00	0	112	0	210	0	30	0	240	267	-267	-405
2 + 00	0	54	0	307	0	44	0	351	390	-390	-796
2 + 50	64	30	59	78	0	22	59	100	111	-52	-847
3 + 00	120	0	170	28	26	0	144	28	31	114	-734
4 + 00	160	0	519	0	76	0	443	0	0	443	-291
5 + 00	317	0	883	0	74	0	809	0	0	809	518
6 + 00	51	0	681	0	60	0	621	0	0	621	1,140
6 + 50	46	6	90	6	21	0	69	6	6	63	1,202
7 + 00	0	125	43	121	0	25	43	146	163	-120	1,082
8 + 00	0	186	0	576	0	81	0	657	730	-730	352
8 + 50	0	332	0	480	0	69	0	549	610	-160	-257



$$\frac{A_1 + A_2}{5f} \cdot L$$





Mass Balance Diagram

