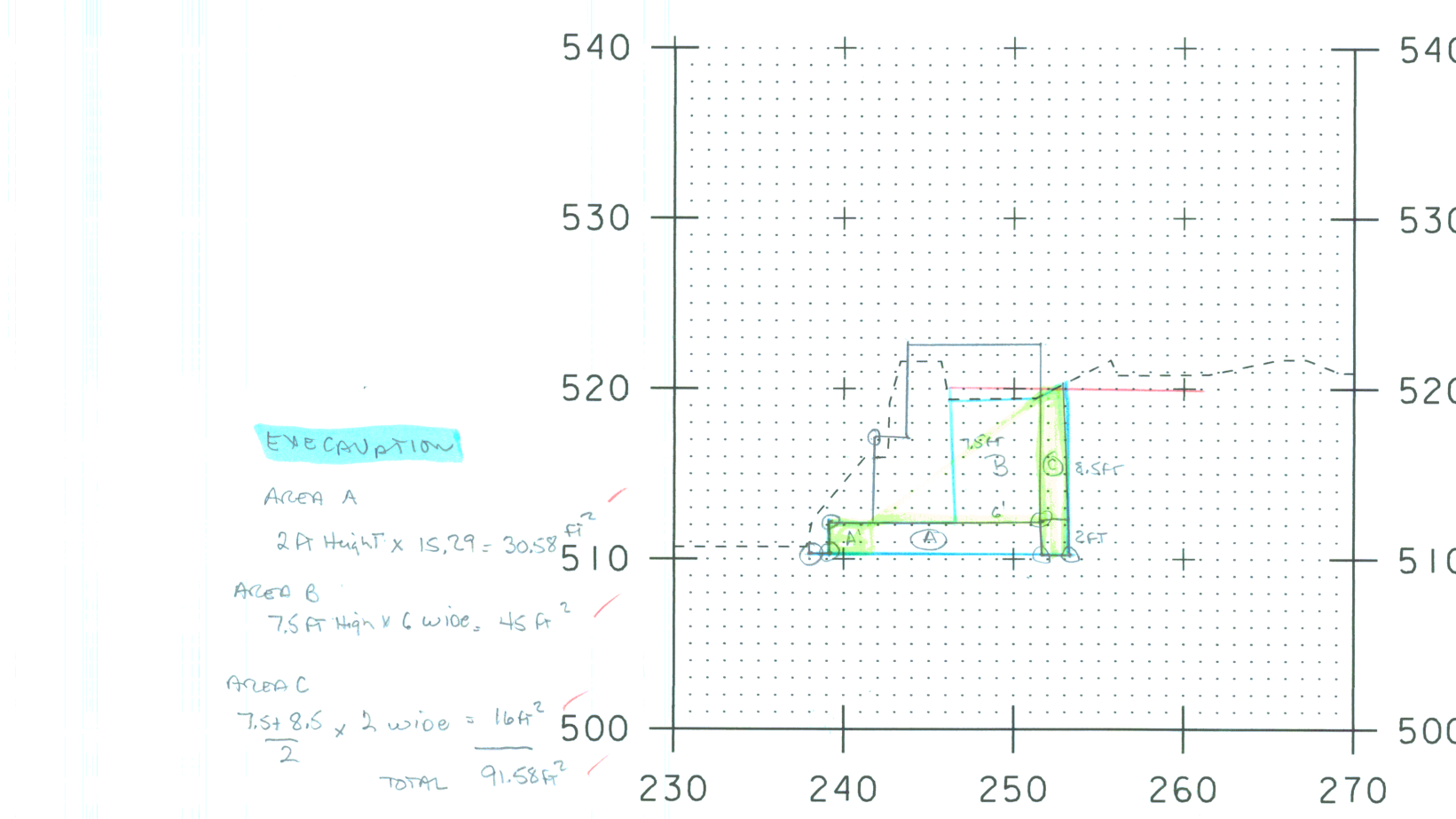
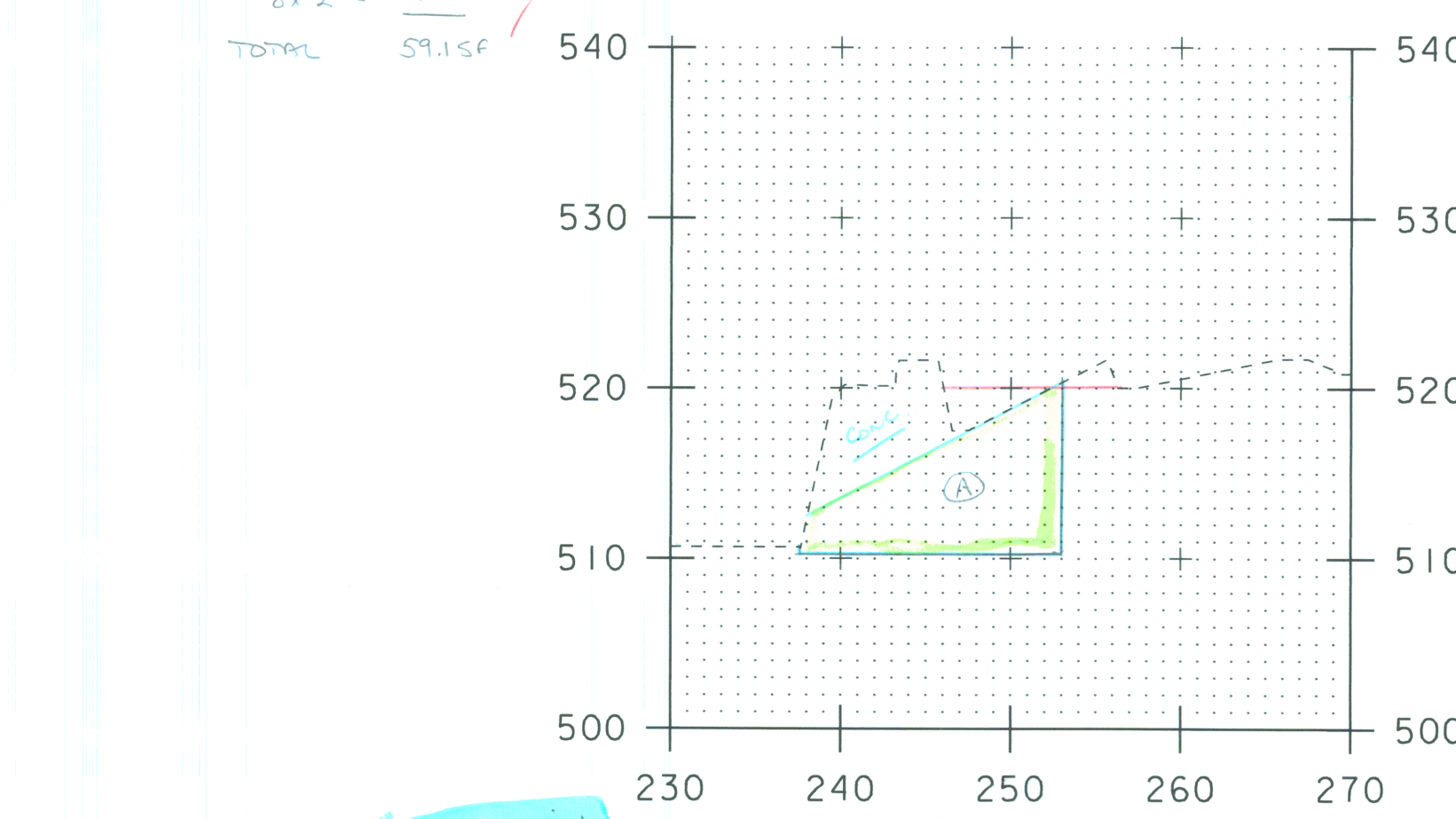


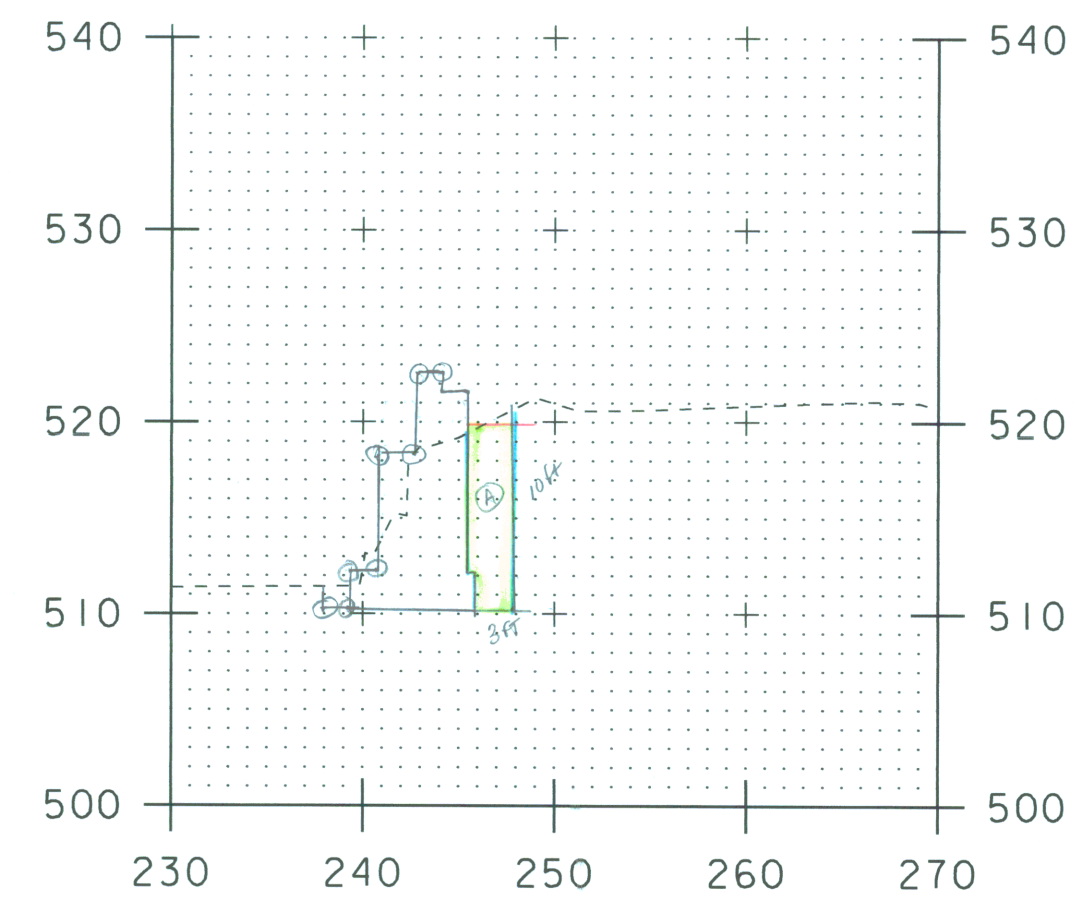
4+88.4 6C
6C



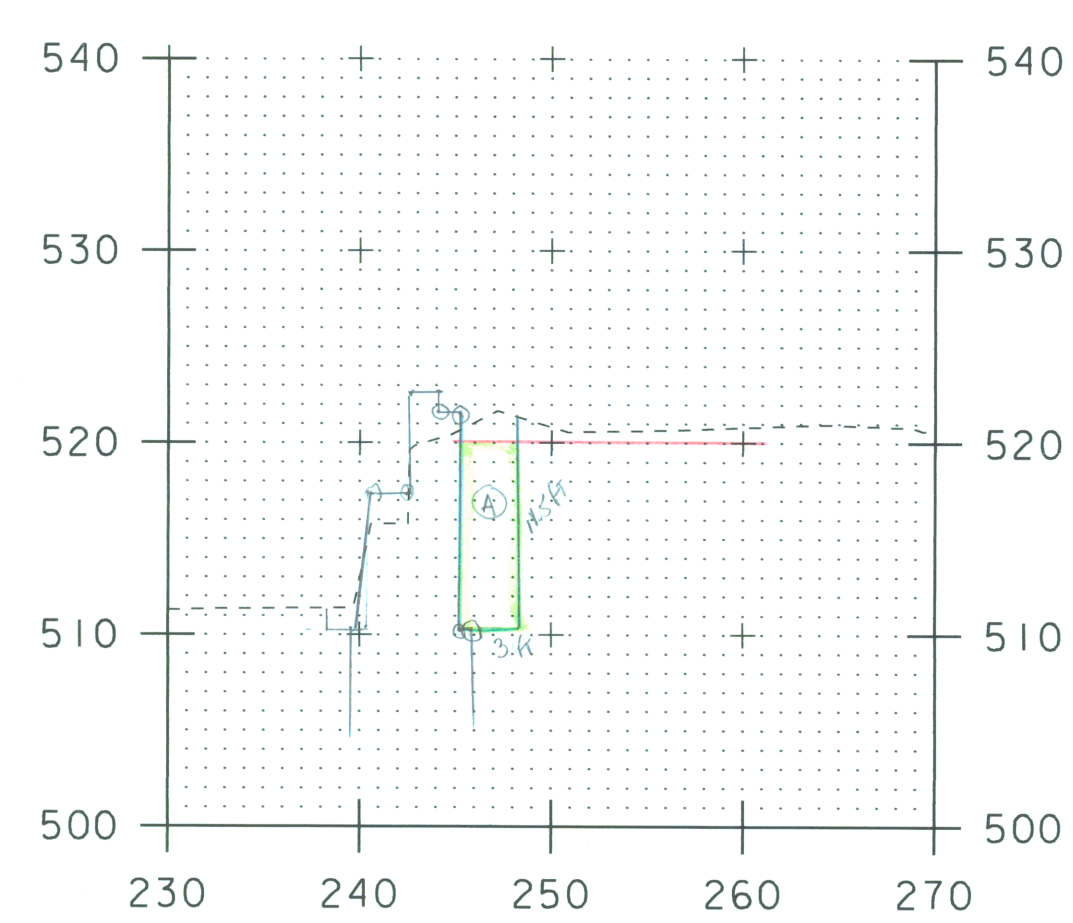
4+80.9 4C



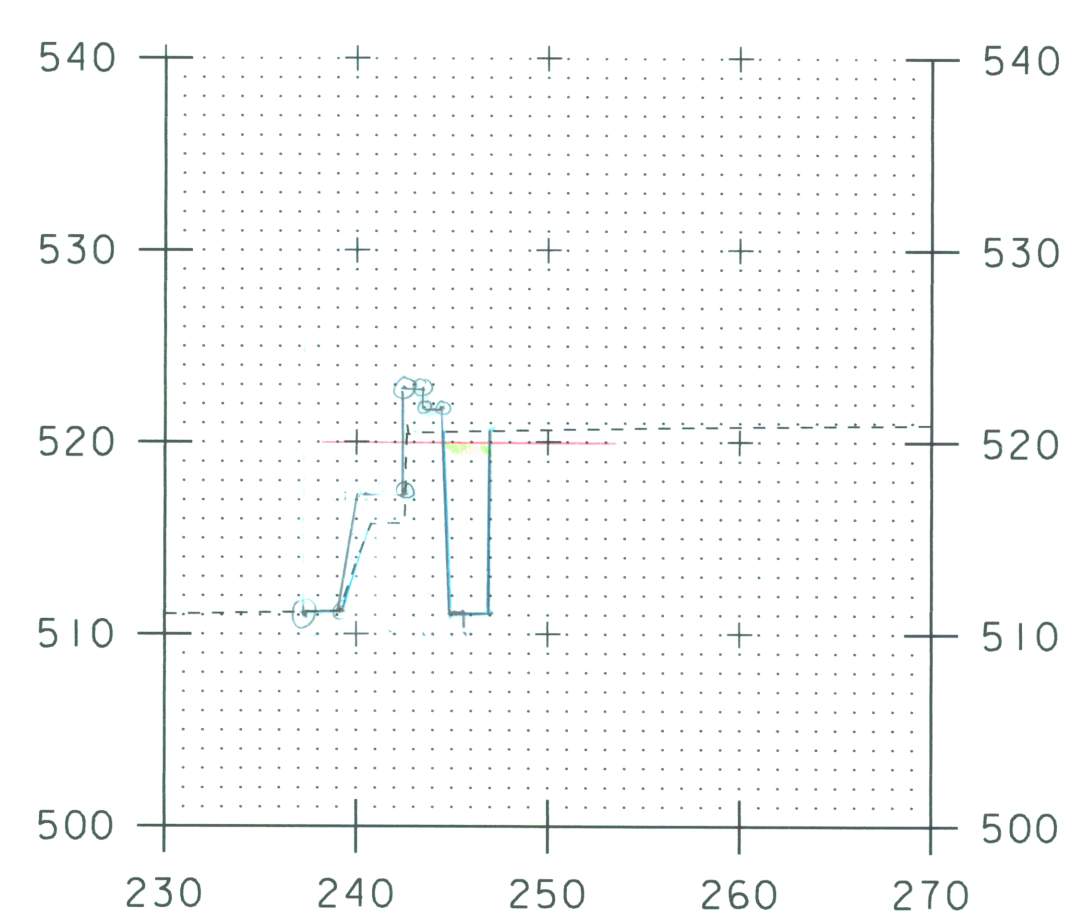
4+78 2C
Zero



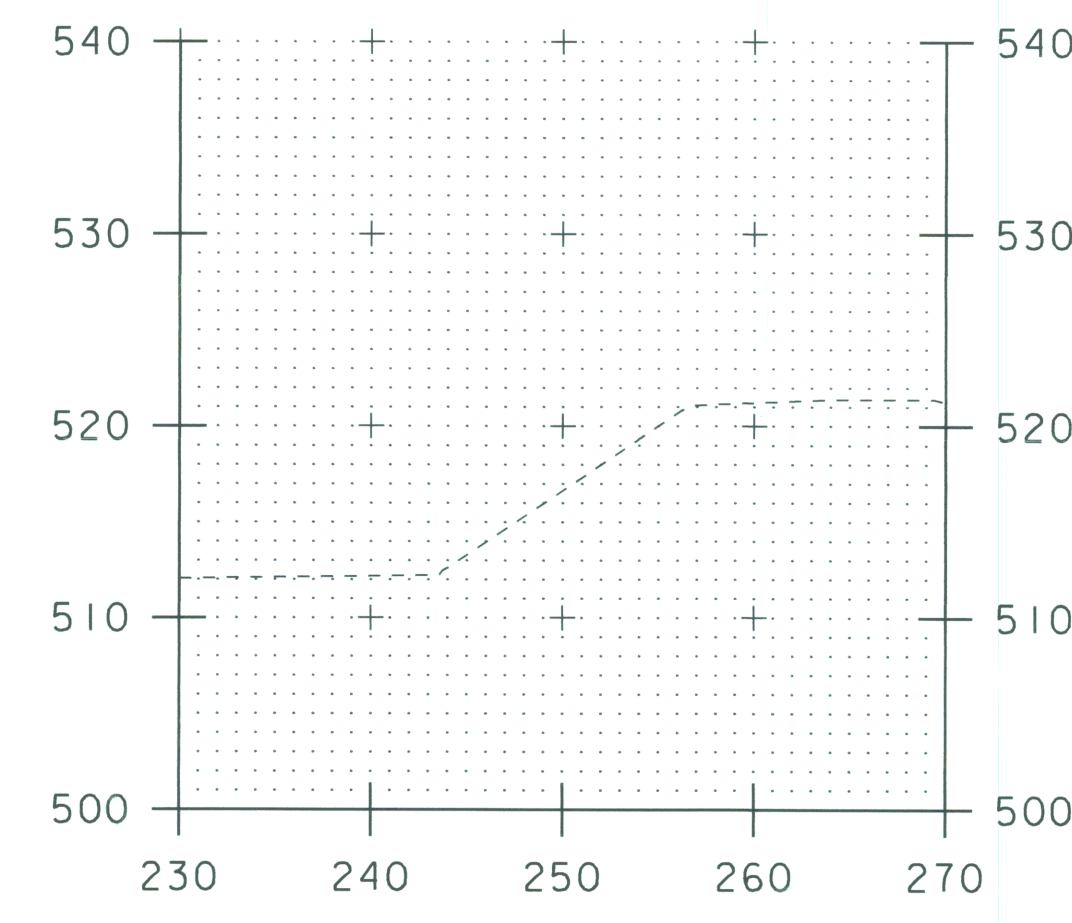
5+17.1 6D



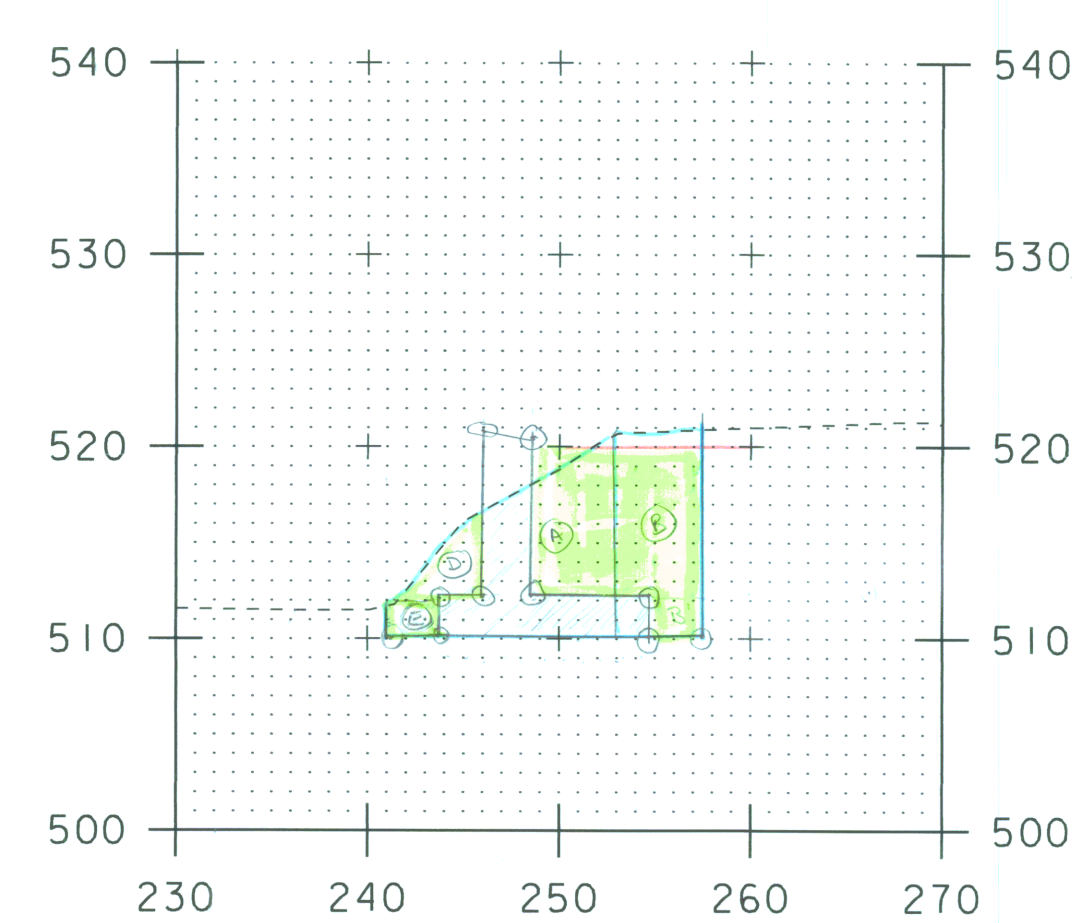
5+14.8 3D
NOT NEEDED



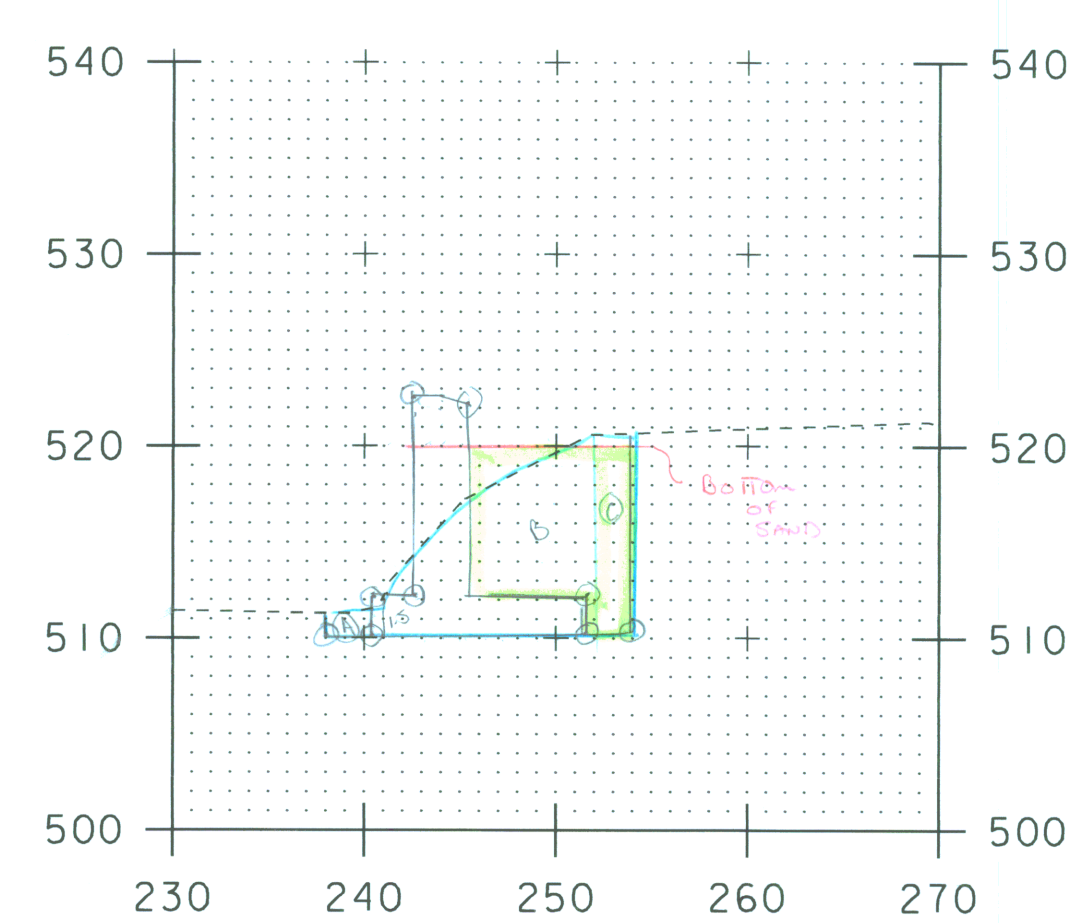
5+20.6 5D



5+30.5 4D
Zero



5+23 2D



5+04.8 3D
NOT NEEDED

EXCAVATION
Area A = $\frac{1.5 + 10.8 \text{ high} \times 12}{2} = 73.8 \text{ ft}^2$
Area B = $10.8 \times 4.5 = 48.6 \text{ ft}^2$
TOTAL = 122.4 ft^2

STRUCTURE BACKFILL
Area A = $4.5 \times 7.8 = 35.10$
Area B = $4.5 \times 7.8 = 35.10$
Area C = $2.0 \times 3 = 6.00$
Area D = $4.5 \times 4 = 18.00$
Area E = $2 \times 2 = 4.00$
TOTAL = 98.20 ft^2

EXCAVATION
Area A = $1.5 \text{ high} \times 3 \text{ wide} = 4.5 \text{ ft}^2$
Area B = $1.5 \text{ high} \times 17.5 \text{ wide} = 26.25 \text{ ft}^2$
Area C = $10.75 \times 3 = 32.25 \text{ ft}^2$
TOTAL = 63 ft^2

STRUCTURE BACKFILL
Area A = $2.0 \times 6.5 = 13.0$
Area B = $10.0 \times 2.0 = 20.0$
TOTAL = 33.0 ft^2

1 sub 1/10/09

ABUTMENT NO. 2

PROJECT NAME:	POWNAL	FILE NAME:	/87e045/str/se045xs2.dgn	PLOT DATE:	11-AUG-2008
PROJECT NUMBER:	BRZ 1441(19) C/2	PROJECT LEADER:	R. WHITCOMB	DRAWN BY:	STR3
DESIGNED BY:	C. CARLSON	CHECKED BY:	C. CARLSON	SHEET	OF

