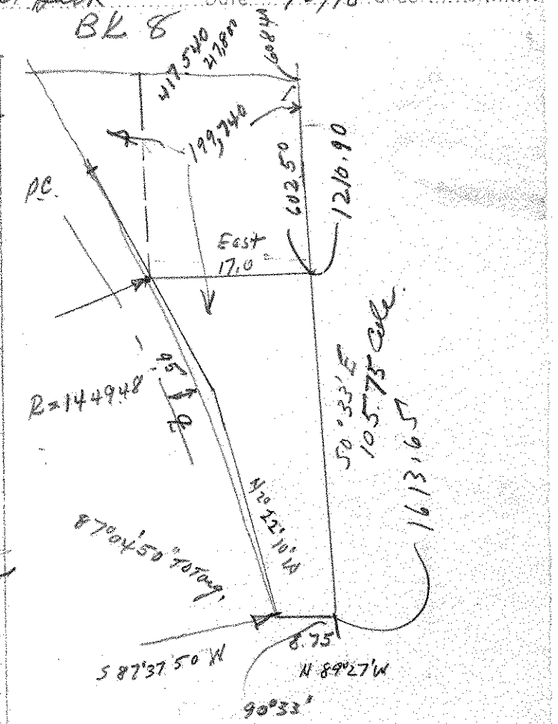
Title Port Arch BK 8 Date 5/23/78 Sheet ..... of .....

TRAVERSE CLOSURE

Station or line	Distance	Deflection	Bearing or Course	Latitude (x Cosine) North −	Latitude (x Cosine) South −	Departure (y Sine) East −	Departure (y Sine) West −
			East			17.0	
Try 105.5 Calc	105.5		50°33' E		105.5	1.01	
	8.75		West				8.75
R=	1449.48		S 87°04'50" W	179.62	73.82		1447.60
R=	1449.48		N 87°53'37" E	179.32		1838.34	
		Calc by Trial			179.32		1456.35
						1438.28	
Find where 17' wide						1436.30	
	17.0		East			17.0	
Calc	105.75		South		105.75		
	8.75		N 89°27' W	0.08			8.75
	1449.48		S 87°37'50" W		59.93		1448.24
	1449.48		N 83°26'23" E	165.60		1439.99	
			by Trial		165.68	1456.99	1456.99



Area

0	17	0
105.75	0	0
211.42	8.75	+ 1,849.9
271.27	1448.24	+ 392,864.1
165.60	1439.99	− 238,462.3

156,251.7 / 2 = 78,125.8 − 76,836.9 = 1,288.9

S 87°37'50
83 26 23
Δ = 4°11'27 (4.19083)

N 89°27' W
87°04'50"
N 2°22'10" W

Δ/2 = 2°05'43½"
T = 53.03'
L = 106.02'

R × T = 76,868.82
R × L/2 = 1449.48 × 106.02/2 = 76,836.9

rough Check = 105.75 × (8.75 + 17.0)/2 = 1361.5 − 70± = 1292±
(12.87)
1/3

Want Area from 608.40 parcel to 9.5' from Track & include 17' for Railway Esmt.

	—	199,740 whole parcel
17' × 602.50	—	10,242.5
parcel above Calc.	—	1,288.9
		188,208.6 Call 188,210 Sq. Ft