

TRAVERSE CLOSURE

Title

Port Duck
BK 8

Date

5/23/78

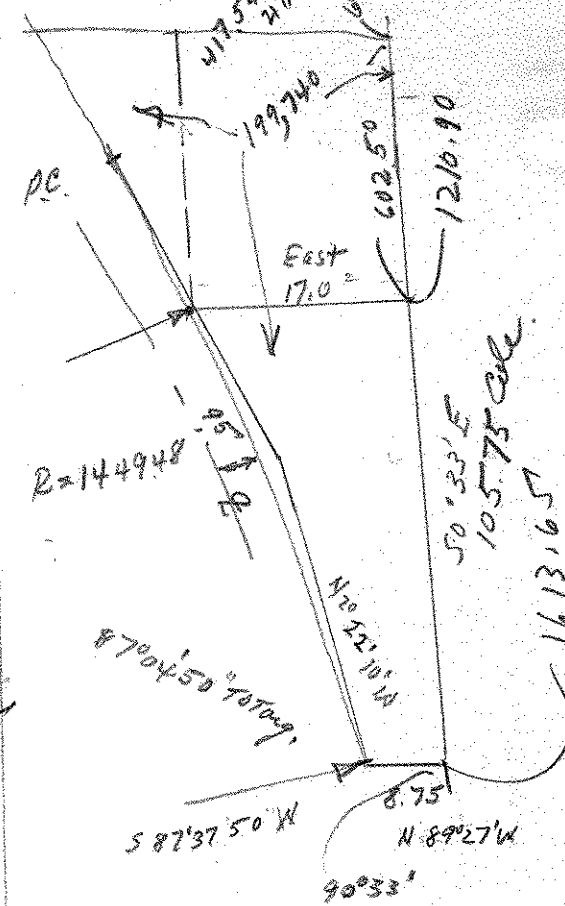
Sheet

of

x
Cosine

y
Sine

Station or line	Distance	Deflection	Bearing or Course	Latitude		Departure	
				North -	South -	East -	West -
1055 Calc	17.0		East			17.0	
	105.5		50°33'E			105.5	
	8.75		West				8.75
R=	1449.48		S 87°04'38" W	179.62	73.82	1447.60	
R=	1449.48		N 87°53'37" E	179.32	179.32	1838.34	
						1438.28	1456.35
						1436.30	
Calc by Trial							
Find where 17' wide							
Calc	17.0		East			17.0	
	105.75		South		105.75		
	8.75		N 89°27' W	0.08		8.75	
	1449.48		S 87°37'50" W	144.85	59.73	1448.24	
	1449.48		N 83°26'23" E	165.60		1439.99	
						1456.99	1456.99
by Trial							
Area							
0	17		0				
105.75	0		0				
211.42	8.75		+ 1,849.9				
271.27	1448.24		+ 393,844.1				
165.60	1439.99		- 238,462.3				
			158,251.7				
			78,125.8				
			76,836.9				
			1,288.9				
rough check = $105.75 \times \frac{8.75 + 17}{2} = 1361.5$							
- 702							
1288.9							
Want Area from 608.40 panel to 9.5' from Tuck							
include 17' for Railway East.							
17' x 602.50							
panel above Calc.							
1,288.9							
188,208.6 Calc 188,210 sq. ft							



$$\begin{aligned} &587'37'50'' \\ &83'26'23'' \\ &\hline &670'64'13'' \\ &= 40'11'27'' (4.19083) \end{aligned}$$

$$\begin{aligned} &N 89°27' W \\ &87°04'50'' \\ &\hline &N 2°22'10'' W \end{aligned}$$

$$\begin{aligned} &A = 2'05'43'' \\ &T = 53.03' \\ &L = 106.02' \end{aligned}$$

$$R \times T = 76,868.82$$

$$R \times L = 1449.48 \times 106.02 = 153,836.9$$