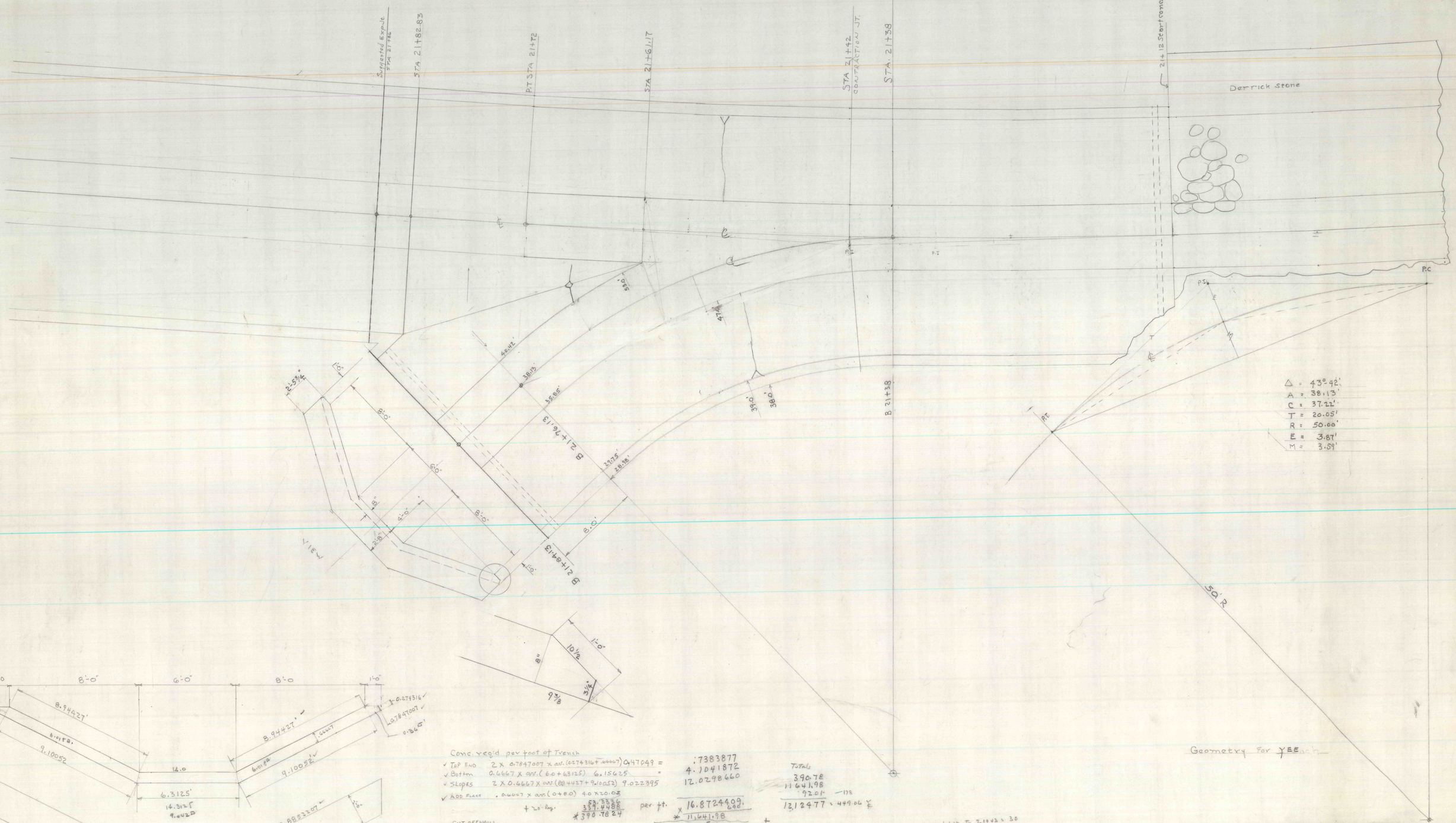

Conc. req'd per foot of Trench

✓ Top End	2 X 0.7847007 x arr. (0.273316 + .066667)	0.47049	= .7383877
✓ Bottom	0.6667 X arr. (6.0 + 6.3125)	6.15625	= 4.1041872
✓ Slopes	2 X 0.6667 X arr. (8.94427 + 9.10052)	9.022395	= 12.0298660
✓ Add Flare	.0.6667 x arr. (0 + 8.0)	4.0 X 20.03	
		+ 2.0 Reg.	53.3336 337.4488 * 390.7824 per ft.

Total 390.78 × 16.8724409 / 690 = 11,641.98 × 13.5625 ✓ = 9.619597 (38.47839) +

Cut off walls

✓ Bottom	2.0' X 1.0' x arr. (6.3125 + 7.25)	6.78125	= .7890625 ✓
✓ Slopes	2 X 2.0' X 1.0 x arr. (9.885 2207 + 9.353972566)	dia 9.619597	= 2.45 ✓
✓ Haunch	½ X .5 X .5 X 6.3125		= 26.4211595 / 3 (55.2799525)
	2 X ½ X .5 X .5 X arr. 9.80		= 79.2635 (165.8398575)
			+ 12.75 ✓
			* 92.01 (178.5698575)

Total 11641.98 × .9201 — 178 = 12,12477 = 449.06 ✓

Added wall at Flare 6.0' X 2.125

21+12 To 21+43 = 30
21+86 to 28+46 = 660
690

Geometry for YEEsch

DETAIL CONCRETE TROUGH

REVISIONS		
NO.	DATE	BY
1		
2		
3		
4		
5		

D.E.R. # SL 126-1-5
Pollys Run & Swatara Creek
Geo. P. Lynn Inc. Contractor
Port Carbon, Pa. 17965

DRAWN BY	B.N.	SCALE	1/4 = 1 Foot
CHK'D	J.T.W.	DATE	4-16-76
TRACED		APP'D	

MATERIAL

DRAWING NO. D101