

**CUYAHOGA COUNTY**  
**CUY 480-21.40**

Quantity Calculations  
Made By JEN Date 6-70  
Checked By JM Date 6-72

END	EARTHWORK		VOLUME
	EXC.	EMB.	
880			
870			
860			
850			
840			
830			
820			
810			
800			
790			
780			
770			
760			
750			
740			
730			
720			
710			
700			
690			
680			
670			
660			
650			
640			
630			
620			
610			
600			
590			
580			
570			
560			
550			
540			
530			
520			
510			
500			
490			
480			
470			
460			
450			
440			
430			
420			
410			
400			
390			
380			
370			
360			
350			
340			
330			
320			
310			
300			
290			
280			
270			
260			
250			
240			
230			
220			
210			
200			
190			
180			
170			
160			
150			
140			
130			
120			
110			
100			
90			
80			
70			
60			
50			
40			
30			
20			
10			
0			
10			
20			
30			
40			
50			
60			
70			
80			
90			
100			
110			
120			
130			
140			

Emb. L =  $\frac{(1145.9 + 27.5) \times 58.85}{1145.9} = 60.26$

Exc. L =  $\frac{(1145.9 - 65) \times 58.85}{1145.9} = 55.51$

STA. 46+41.15

L =  $\frac{(1145.9 + 25) \times 41.15}{1145.9} = 42.05$

L =  $\frac{(1145.9 - 63) \times 41.15}{1145.9} = 38.89$

Emb. L =  $\frac{(1145.9 + 25) \times 100}{1145.9} = 102.0$

Exc. L =  $\frac{(1145.9 - 66.0) \times 100}{1145.9} = 94.3$

Emb. =  $\frac{(1145.9 + 12.5) \times 55}{1145.9} = 55.5$

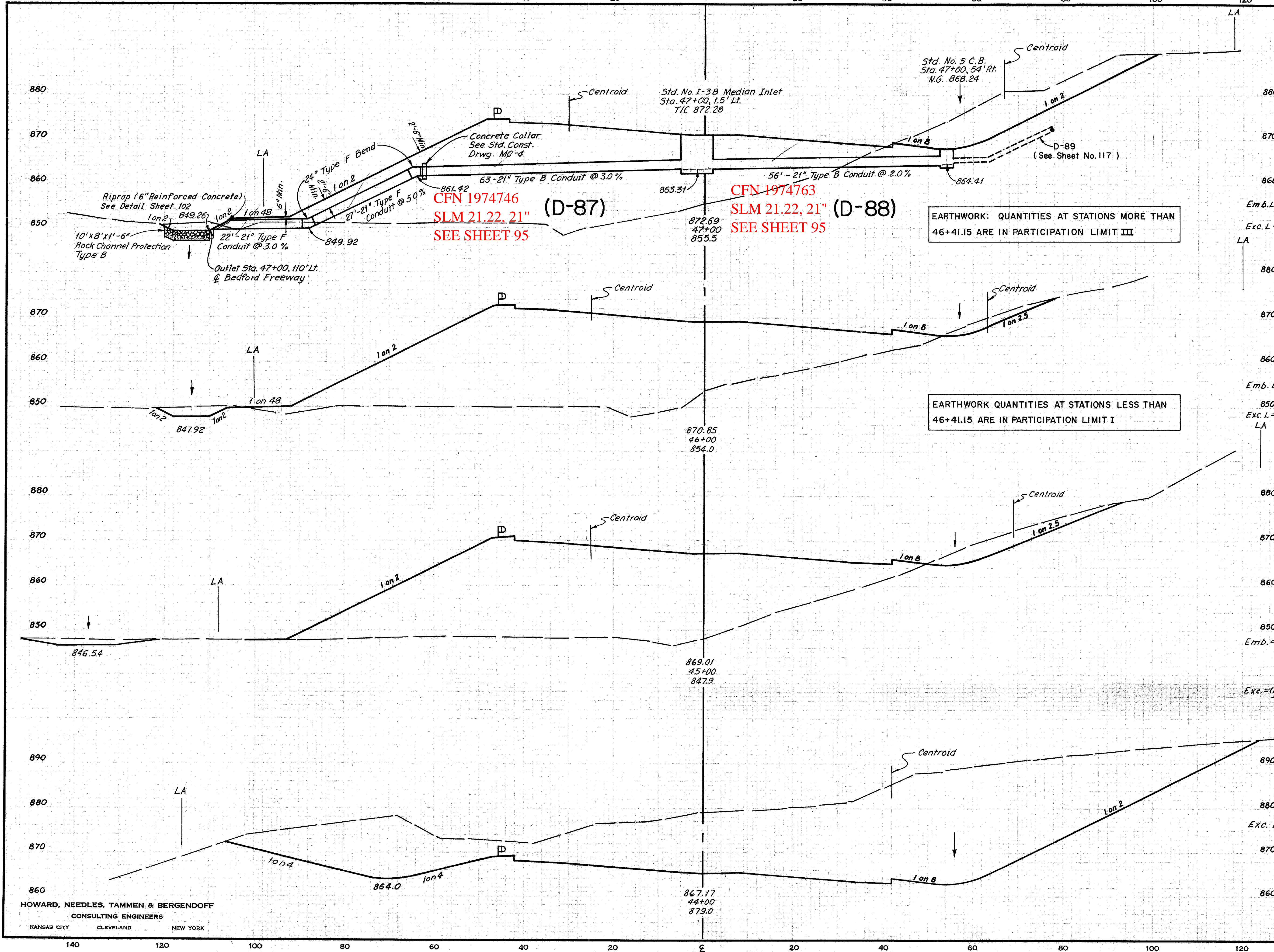
Sta. 44+45

Exc. =  $\frac{(1145.9 - 21) \times 45}{1145.9} = 44.2$

Exc. L =  $\frac{(1145.9 - 38.5) \times 100}{1145.9} = 96.6$

EARTHWORK: QUANTITIES AT STATIONS MORE THAN 46+41.15 ARE IN PARTICIPATION LIMIT III

EARTHWORK QUANTITIES AT STATIONS LESS THAN 46+41.15 ARE IN PARTICIPATION LIMIT I



CFN 1974763  
SLM 21.22, 21" (D-87)  
SEE SHEET 95

CFN 1974763  
SLM 21.22, 21" (D-88)  
SEE SHEET 95

W.L.L.  
R.F.L.  
J.E.N.  
I.M.