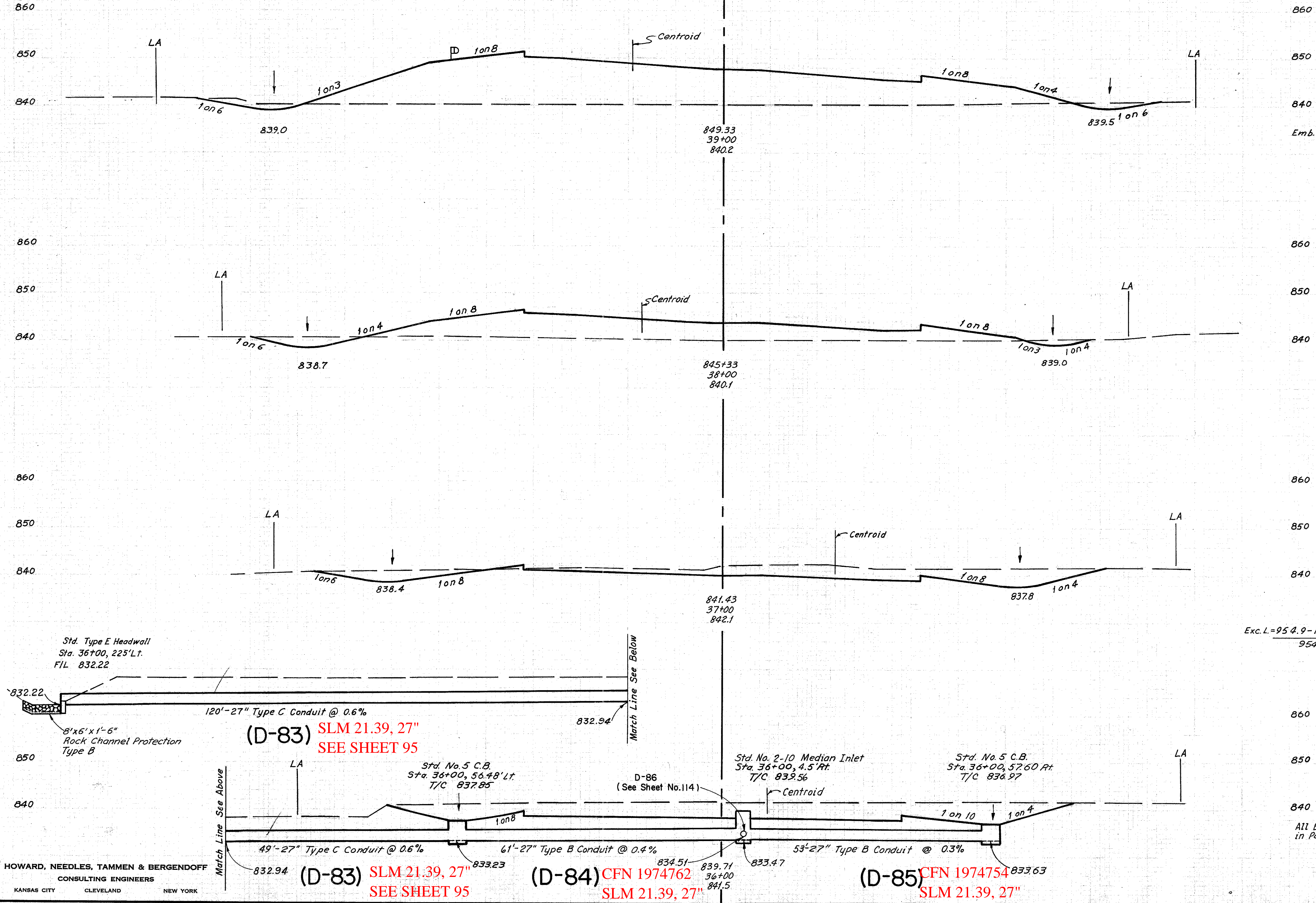


Quantity Calculations
 Made By JEN Date 6-70
 Checked By IM Date 6-72

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

143
390

CUYAHOGA COUNTY
 CUY 480-21.40



$$\text{Emb. L} = \frac{(954.9 + 18) \times 100}{954.9} = 101.9$$

$$\text{Exc. L} = \frac{954.9 - 17 \times 100}{954.9} = 98.2$$

EARTHWORK			
END	AREA	VOLUME	
EXC.	EMB.	EXC.	EMB.
38	1072		
		124	2885
29	457		
		591	850
290	2		
		1328	4
440	0		
		297	0
202	0		

All Earthwork Quantities
 in Participation Limit I

Sta. 35+75

8-67
 9-67
 6-70
 6-72
 W.F.T.
 J.E.N.
 I.M.

HOWARD, NEEDLES, TAMMEN & BERGENDOFF
 CONSULTING ENGINEERS
 KANSAS CITY CLEVELAND NEW YORK

(D-83) SLM 21.39, 27"
 SEE SHEET 95

(D-83) SLM 21.39, 27"
 SEE SHEET 95

(D-84) CFN 1974762
 SLM 21.39, 27"
 SEE SHEET 95

(D-85) CFN 1974754
 SLM 21.39, 27"
 SEE SHEET 95