FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

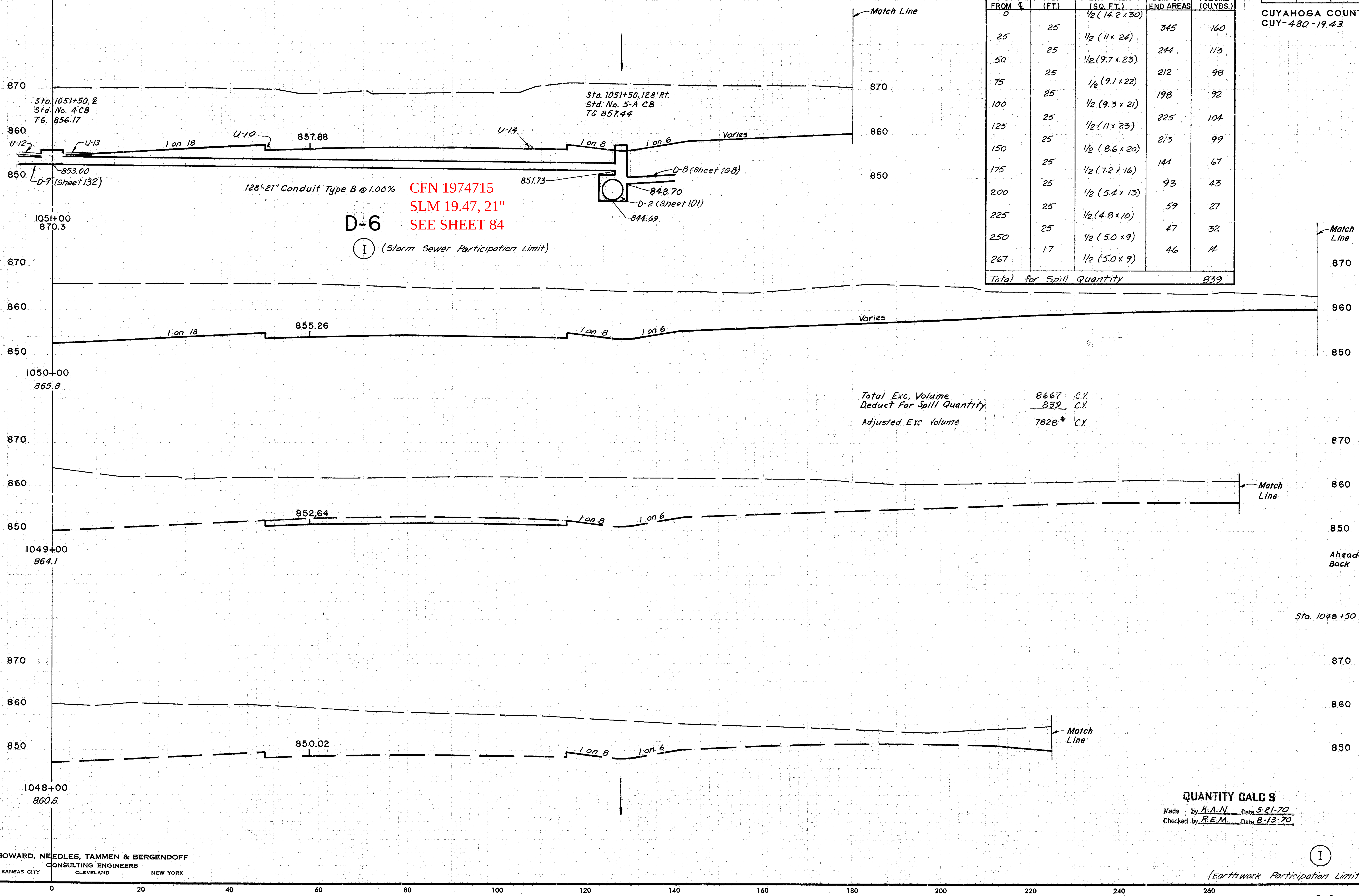
131 / 478

CUYAHOGA COUNTY
CUY-480-19.43

Spill Quantity to be Built Under Adjacent Construction Section
Sections Taken Parallel to ℄ I-480 @ Sta. 1049+00

DIST. FROM ℄	DIST. (FT.)	END AREA (SQ. FT.)	SUM OF END AREAS	VOLUME (CU.YDS.)
0		1/2 (14.2 x 30)		
	25		345	160
25		1/2 (11 x 24)		
	25		244	113
50		1/2 (9.7 x 23)		
	25		212	98
75		1/2 (9.1 x 22)		
	25		198	92
100		1/2 (9.3 x 21)		
	25		225	104
125		1/2 (11 x 23)		
	25		213	99
150		1/2 (8.6 x 20)		
	25		144	67
175		1/2 (7.2 x 16)		
	25		93	43
200		1/2 (5.4 x 13)		
	25		59	27
225		1/2 (4.8 x 10)		
	25		47	32
250		1/2 (5.0 x 9)		
	17		46	14
267		1/2 (5.0 x 9)		
Total for Spill Quantity				839

Total Exc. Volume 8667 C.Y.
Deduct For Spill Quantity 839 C.Y.
Adjusted Exc. Volume 7828* C.Y.



	END AREA EXC.	END AREA EMB.	VOLUME EXC.	VOLUME EMB.
	2348	0		
			8935	0
	2477	0		
			7828*	0
Ahead	2203	0		
Back	98	0		
			181	0
Sta. 1048+50	98	0		

QUANTITY CALCS
Made by K.A.N. Date 5-21-70
Checked by R.E.M. Date 8-13-70

I (Earthwork Participation Limit)

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

RIGHT HALF I-480
D-6, STA. 1048+00 TO STA. 1051+00