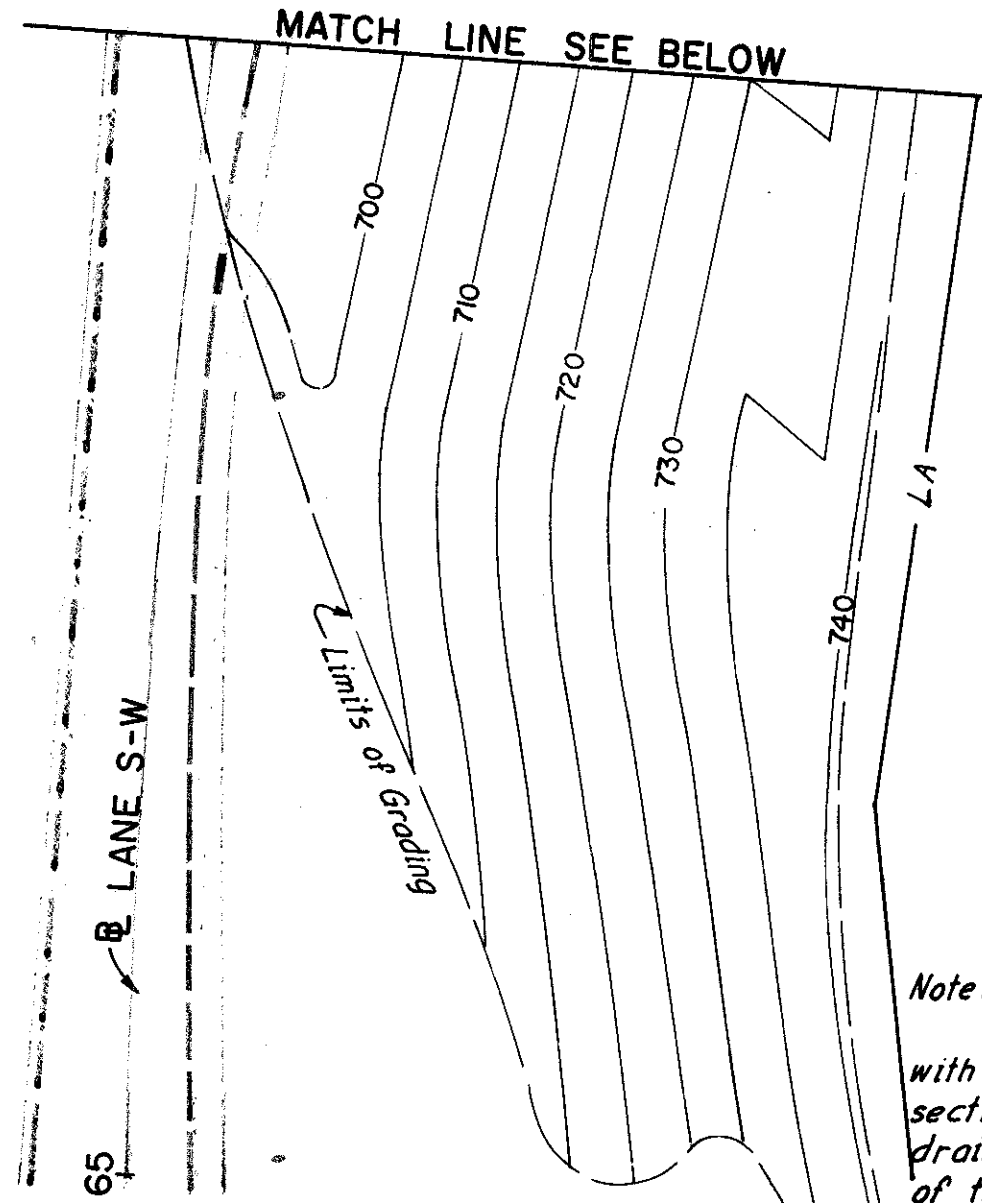


FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

64
410

CUYAHOGA COUNTY
CUY. - 77- 8.69
CUY. - 80-17.37

UNDERDRAINS									
Ref. No.	Station	Side	603 Type B Conduit	603 Type F Conduit	605 Shallow	605 Deep	605 Unclass.	605 707.01 108F 707.12	Bends & Branches
	From	To	6"	6"	6"	6"	6"	6"	6"
	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lin. Ft.	
U-1	472+75 I-77	473+06 I-77	0						
U-2	472+75 I-77	473+70 I-77	Lt.	32		95			4
U-3	472+75 I-77	477+00 I-77	Rt.	10		265	150		
U-4	473+92 I-77	477+00 I-77	0		306				
U-5	72+95 F-4	477+00 I-77	Lt.			255	150		
U-6	72+75 S-W	77+00 S-W	Lt.			425			
U-7	72+75 S-E	78+00 S-E	Rt.			525			
U-8	57+75 E-S	61+00 E-S	Rt.			325			
U-9	58+00 E-S	61+00 E-S	Lt.			300			
U-10	64+00 W-S	67+00 W-S	Lt.	10		350			1
U-11	63+00 W-S	67+00 W-S	Rt.			400			
U-12	72+75 S-W	75+25 S-E	Rt.					210	
Total			32	30	409	2,948	300	210	



Note:
The Contractor shall cooperate with the contractors on the adjoining section in the construction of all drainage facilities at the beginning of this project.
For Underdrain Outlet details see sheet Nos. 95 and 96.

DRAINAGE									
Ref. No.	Station	Side	Sewer Profile Sheet No.	603 Type B Conduit	603 Type F Conduit	603 Type C Conduit	604 Bands No. 2-A-6 Inlet Mod.	604 Std. No. 5 C. B.	
	From	To		15"	15"	27"	15"	Each	Each
	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lin. Ft.	Each	Each	
S-3	DELETED								
S-4	473+08 I-77		0				1		
S-5	73+80 S-W		Lt.					1	
S-6	76+90 S-W		Lt.					1	
P-2	72+75 S-W	73+80 S-W	Lt.	77		105			
P-3	DELETED								
P-4	473+08 I-77	73+80 S-W	Rt.	77	152		1		
P-5	73+80 S-W	76+90 S-W	Lt.	77		300			
Total				77	152	405	1	2	

DRAINAGE					
Ref. No.	Station	Side	660 Sodding	667 Jute Matting	
	From	To	Sq. Yds.	Sq. Yds.	
D-1	63+00 W-S	66+00 W-S	Rt.		237.5
D-2	64+00 W-S		Lt.	3.0	
D-3	58+50 E-S	61+00 E-S	Lt.		216.7
D-4	57+75 E-S	61+00 E-S	Rt.		391.1
D-5	72+75 S-W	73+80 S-W	Lt.		118.6
D-6	74+15 S-W	76+90 S-W	Lt.		216.7
D-7	72+25 S-E	78+00 S-E	Rt.		557.2
D-8	76+00 S-W	77+50 S-W	Rt.		141.7
Total			3.0	1,879.5	

SCALE 1"=50'
MADE RPE DATE 10-19-47
TRCD JEN DATE 10-20-47
CRD RUC DATE 11-1-47
HOWARD, NEEDLES, TAMMEN & BERGENDOFF
CONSULTING ENGINEERS
KANSAS CITY CLEVELAND NEW YORK

