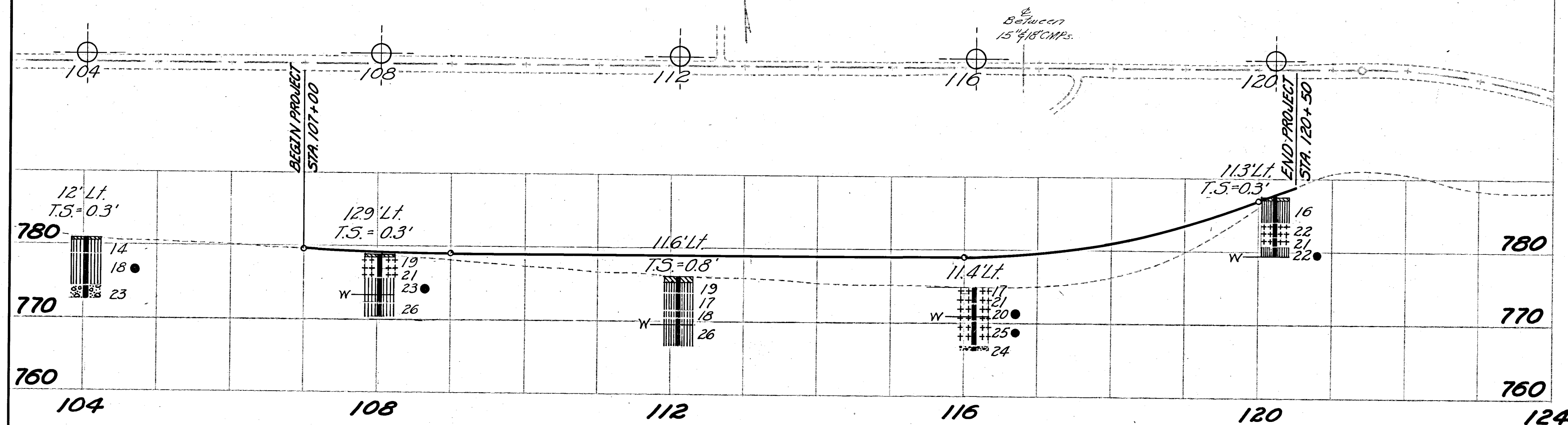


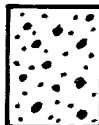
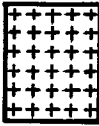
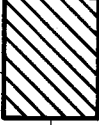
FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

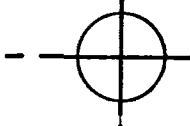
MUSKINGUM COUNTY
MUS-156-2.02



NOTE:
The information shown by this subgrade profile was secured for the use of the State of Ohio and the Corps of Engineers and is not to be construed as a part of the plans governing the construction of the project.

LEGEND FOR PROJECT-AVERAGE RESULTS OF 20 SAMPLES TESTED

DESCRIPTION	H.R.B.	OHIO CLASS	% AGG.	% C.SAND	% F.SAND	% SILT	% CLAY	% LIQUID	% PLASTIC INDEX	WATER SAMPLES TESTED	
 Gravel and/or stone fragments w/sand	A-1-b(o)	A-1-b	40	19	17	18	6	NP	NP	20 2	
 Gravel and Fine Sand	—	A-3-a	4	17	44	27	8	NP	NP	24 1	
 Sandy Silt	A-4-(o)	A-4-a	7	15	27	38	13	21	3	20 10	
 Silt	A-4(7)	A-4-b	4	3	20	58	14	25	2	21 7	
 Top Soil	Visual Classification				Notes:						

 Auger Boring - Plan View
  Auger Boring - Vertical Scale
  Water Content nearly equal to or greater than Liquid Limit
  Free Water Level

(1) Figures beside borings indicate the Water Content in per cent.

(2) NP for Liquid Limit & Plastic Index indicates non-plastic sample.

(3) T.S. = 'X' above borings indicate depth of Top Soil.

(4) Samples taken are Lab Nos. 200 Thru 220

SUMMARY OF SOIL TEST DATA

STATION & OFFSET	DEPTH FROM-TO	% AGG.	% C.SAND	% F.SAND	% SILT	% CLAY	% LIQUID LIMIT	% PLASTIC INDEX	WATER CONTENT	S.H.T.L. CLASS
104+03, 12' Lt.	0.3 - 2.1	9	12	25	45	9	18.5	0.5	14.4	A-4-a
	2.1 - 6.5	2	7	42	41	8	20.7	1.6	18.4	A-4-a
	6.5 - 8.3	21	32	22	17	8	NP	NP	22.9	A-1-b
108+03, 129' Lt.	0.3 - 2.0	5	3	21	63	8	25.0	0.7	19.0	A-4-b
	2.0 - 3.1	1	6	18	58	17	27.5	4.0	21.2	A-4-b
	3.1 - 6.5	2	11	21	49	17	26.0	3.3	23.1	A-4-a
	6.5 - 8.5	13	35	15	29	8	30.5	3.1	26.1	A-4-a
112+10.8, 116' Lt.	0.8 - 2.2	2	9	25	46	18	25.0	1.3	19.4	A-4-a
	2.2 - 4.5	4	17	29	33	17	NP	NP	17.2	A-4-a
	4.5 - 5.5	12	36	12	29	11	37.0	9.9	17.8	A-4-a
	5.5 - 9.5	6	19	38	21	16	NP	NP	27.7	A-4-a
116+13.8, 114' Lt.	0.0 - 0.8	60	6	12	19	3	22.0	NP	17.7	A-1-b
	0.8 - 2.2	14	2	13	57	14	27.7	3.5	20.6	A-4-b
	2.2 - 4.5	1	2	21	60	16	21.6	1.6	20.4	A-4-b
	4.5 - 8.0	0	6	35	52	7	16.2	1.2	24.8	A-4-b
	8.0 - 8.5	4	17	44	27	8	NP	NP	24.4	A-3-a
120+21.7, 113' Lt.	0.3 - 3.5	17	2	18	48	15	25.5	2.7	16.4	A-4-a
	3.5 - 5.5	0	1	16	66	17	27.2	1.7	22.3	A-4-b
	5.5 - 6.8	10	2	16	53	19	27.0	1.8	21.2	A-4-b
	6.8 - 8.1	3	2	40	43	12	22.0	2.9	21.8	A-4-a

REVISION		DATE	DESCRIPTION	BY
U. S. ARMY ENGINEER DISTRICT, HUNTINGTON CORPS OF ENGINEERS HUNTINGTON, W. VA.				
DRAWN BY: <i>AMT</i>		LICKING RIVER DILLON RESERVOIR PROJECT		
TRACED BY:		READJUSTMENT OF OHIO STATE ROUTE NO. 156 (Section 2)		
CHECKED BY: <i>SEW</i>		DATE: September 1959		
SUBMITTED BY: <i>Elmer S. Barrett</i>		APPROVED: <i>Steven Malachuk</i> COL. C. E. DISTRICT ENGINEER		
RECOMMENDED: <i>Elmer S. Barrett</i> CHIEF ENG. DIV.		ELMER S. BARRETT ASSOCIATES CONSULTING ENGINEERS CHILLICOTHE, OHIO		
SCALE: 1" = 100' Horizontal 1" = 10' Vertical		SPEC. NO. DRAWING NUMBER 027f-UD12-68/ SHEET OF		

WORK AS CONSTRUCTED

SOIL PROFILE