1972	Year

08717	County	Montgomery
Job No.	Project Ident.	Mat-675-0.00 Suppl Soil Proble
Changes		
013904	Project Code	0035
Proj. No.	Topo Sheet	435-9-3W-435-9-NW

STORAGE DATA	
Folder	
Section File No.	FEP 255
Record Center No.	10-J-07
Tracings	
Section File No.	FET 271
Record Center No.	11-G-30

Begin Sta. * _____
End Sta. * _____
Length * 7.24 Miles

	Rev.
Drafting By	A.F.
Comp. Date	6-21
Drafting Hrs.	160

Design By A. M. Kinney Inc.

	RECON	AUGER	CORE	DRIVE ROD	RESISTIVITY
By	J.S.M.	W.S.B.& L.M.D			
Dates	2-22-72 to 2-24-72	**			
No. of Holes or Soundings		63			
Footage		695.5			
Samples Tested		193			

** 2/28, 2/29/72, 3/1, 2/72, 4/25/72 to 5/3/72

☑ Samples Accounted

No. of Tracings 18

Remarks Box # FES-005
Record #13-G-13
FOR DESIGN DATA FOLDER, SEE

Transmittal Date 6-21-72 Revisions _____ Refer to _____

Length	Auger Data			Core Data			Drive Rod Data		Resistivity
	No. of Holes	Footage	Samples	No. of Holes	Footage	Samples	No. of Soundings	Footage	No. of Locations
7.24	63	695.5	193	—	—	—	—	—	—

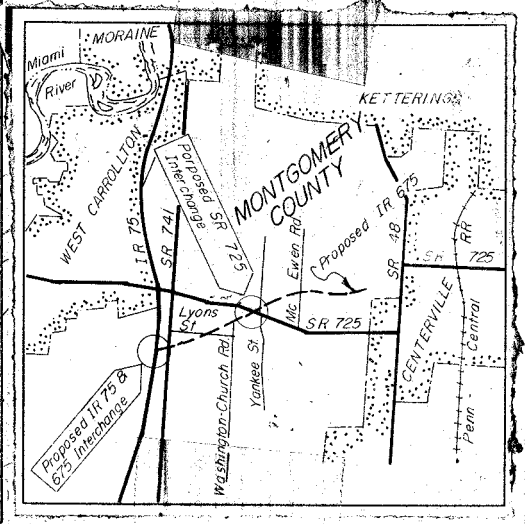
Form TE-155

* See Reverse Side

013904

TOTAL SAMPLES 193					
Samples VOIDED	Auger	Drive	Samples USED	Auger 193	Drive —

TOTAL MILEAGE 7.24		
Alignment	Stations From——To	Mileage
Ramp S	2402 - 46+00	.83
Ramp V	17+00 - 71+00	1.02
Ramp U	23+00 - 70+00	.89
Ramp Y	40+00 - 57+00	.32
Lyons Rd.	10+00 - 32+00	.42
Lyons Rd Ext.	5+00 - 25+00	.38
SR 725	837+00 - 870+00	.63
Rele. Yankee St.	24+00 - 62+00	.72
Mc Ewen Rd.	6+00 - 26+00	.38
Ramp N	114+00 - 127+00	.25
Ramp J	140+00 - 157+00	.32
Ramp L	118+00 - 137+00	.36
Ramp K	140+00 - 154+00	.27
Ramp M	117+00 - 128+00	.21
Frontage	5+00 - 21+00	.30



Code 01

RAMPS

FIELD BORING LOG

Project Code: 0035 | Project Identification: NH-675-0.00-SUPPL

Station: 6+00.00 | Offset: | Co., Rt., Sec. No.: 942.8

Order Code: 01

Crew: SB EK KH | Date: 4-25-72 | Equipment: H.A.

Surface Elev.: | Water Elev.:

Depth Feet	Field Number	Description
0.0	1	TOP SOIL
		MOIST BR SILTY CLAY W/
6.0	2	ROCK FRTG
		REF 3.5 WITH H.A.

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0 0 3 6

Project Identification: MST-675-0.00 - SUPPL

Co., Rt., Sec. No.: 952.7

Station: 110+00.

Offset:

Order Code: 0 1

Crew: EB — EK KH

Date: 4-28-72

Equipment: CA

Surface Elev.: 2

Water Elev.:

Depth Feet	Field Number	Description
0.0-	03	TOP SOIL
	77	MOIST BR SILTY CLAY W/
16	76	ROCK FRAG
	1	
5		REEF WITH HA
10		
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0035 Project Identification: NOT-675-0.00-SUPPL Co., Rt., Sec. No.: 7606.1

Station: 14+00, Offset: 50 L Order Code: 01

Crew: SB ER KH Date: 5-2-72 Equipment: TA

Surface Elev. 7 Water Elev.

Depth Feet	Field Number	Description
0.0-	20	TOP SOIL
6b 5	24	MOIST BR SILTY CLAY W/ ROCK FRAG
4a 10	21 12	MOIST BR SANDY CLAY W/ ROCK FRAG
6a 15	22 11	MOIST GR SILTY CLAY W/ ROCK FRAG
6a 20	23 15	MOIST GR SHALEY CLAY
25		REF 20.5 SHALE
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0135 | Project Identification: MOT-675-0.00-SOPPC

Station: 18+00, E | Offset: | Co., Rt., Sec. No.: 96.3.0 | Order Code: 01

Crew: SB FK KH | Date: 5-2-72 | Equipment: TA

Surface Elev.: 0 | Water Elev.:

Depth Feet	Field Number	Description
0.0-	01	TOP SOIL
4b	24 23	MOIST GR SILTY CLAY W/ ROCK FRAG
5 4b	25 13	MOIST GR SANDY CLAY W/ ROCK FRAG
10 4a	26 11	GR SILTY CLAY W/ SHALE FRAG
6a 15	13 27	GR CLAY SHALE
20	1	COMPLETED 16'
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0135 | Project Identification: MOT-675-0.00 SUPPL | Co., Rt., Sec. No.: 963.4

Station: 22+00, | Offset: | Order Code: 01

Crew: SB ER KH | Date: 6-3-72 | Equipment: TA

Surface Elev.: 2 | Water Elev.: -9

Depth Feet	Field Number	Description
0.0-	26	TOP SOIL
	28	ALLUVIAL SANDY CLAY W/ ROCK FRAG
4a	17	
5		SAME AS ABOVE
4a	29 12	
		WET SAND & GRAVEL
10	30	
4b	16	
	31	ALLUVIAL GR SANDY CLAY W/ ROCK FRAG
15		
4a	13	
	32	SAME AS NO 31
4a		
20		
		COMPLETED
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-135

FIELD BORING LOG

Project Code: 0035 Project Identification: MOT-675-0.00-SOFPL

Co., Rt., Sec. No.: 770.9

Station: 27+20.1 Offset: 20 L Order Code: 01

Crew: SB EK KH Date: 5-3-72 Equipment: TA

Surface Elev.: 2 Water Elev.:

Depth Feet	Field Number	Description
0.0-	0.5	TOP SOIL
	33	MOIST BR SILTY CLAY W/ROCK FRAG
7.6	25	
5		MOIST BR SILTY CLAY W/ROCK
	34	FRAG
6a	20	
10		
	35	MOIST BR SILTY CLAY W/
4a	5	ROCK FRAG
15		MOIST BR SILTY CLAY W/
	36	ROCK FRAG
4a	10	
20		
	11	COMPLET 20'
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0035 | Project Identification: MDT-675-0-00-SUPPL | Co., Rt., Sec. No.: 970.8

Station: 32+00, | Offset: | Order Code: 01

Crew: SB | Date: 5-7-74

EK KH | Equipment: HA

Surface Elev. | Water Elev.

Depth Feet	Field Number	Description
0.0-	0-5	TOP SOIL
4a	15	ARIST BR SILTY CLAY W/ ROCK FRAG
		REF & COBBLES HA

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0135 Project Identification: MT-675-0.00-SUPPL

Co., Rt., Sec. No.: 9626

Station: 36+00, Offset:

Order Code: 01

Crew: SB EK KH Date: 5-2-72 Equipment: (HA)

Surface Elev. Water Elev.

Depth Feet	Field Number	Description
0.0-	115	TOP SOIL
2.6	130	MOIST DK BR SILTY CLAY W/ ROCK FRAG
6.6	126	MOIST BR SILTY CLAY W/ ROCK FRAG
		REF 4.5 COBBLES HA

Use reverse side of this sheet for additional notes.

Form TE-133

Code 02

RAMP V

19712 FIELD BORING LOG 19747

Project Code: 0033

Project Identification: MOT-675-0.0 SOPAC

Co., Rt., Sec. No.: 939.8

Station: 22+00

Offset: 5

Order Code: 02

Crew: EK KH

Date: 5-1-72

Equipment: H3

Surface Elev.: 2

Water Elev.:

Depth Feet	Field Number	Description
0.0-		MOIST BR SILTY CLAY W/ ROCK FRAG
4.0	1	
	12	
5		REF 5' COBBLES HA
10		
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0035

Project Identification: MOT-675-0.00-SUPL

Co., Rt., Sec. No.: 946.2

Station: 24+01.1

Offset:

Order Code: 02

Crew: SB / FK KH

Date: 3-6-78

Equipment: HA

Surface Elev.: [illegible]

Water Elev.:

Depth Feet	Field Number	Description
0.0-	0.5	TOPSOIL
0.5	S	GRAVELLY SILTY CLAY W/
7.6	24	ROCK FRAG
	1	REF 3' WITH H.A.
5		
10		
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0035

Project Identification: MOT-675-0.00-SUPPL

Co., Rt., Sec. No.: 940.6

Station: 32+00, Offset: C

Order Code: 02

Crew: SB FK KH

Date: 5-1-72

Equipment: HA

Surface Elev.: 2 Water Elev.: -3

Depth Feet	Field Number	Description
0.0-	1.5	TOPSOIL
1.5	3.4	MOIST BR SILTY CLAY W/ROCK FRAG
3.4	5.0	WET BR SANDY CLAY W/ ROCK FRAG
		REF 4' COBBLES HA

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0135 | Project Identification: MT-675-0.00 SOPL

Co., Rt., Sec. No.: 943.2

Station: 35+60. | Offset: | Order Code: 02

Crew: EK KH | Date: 5-1-79 | Equipment: CA

Surface Elev.: 2 | Water Elev: -3

Depth Feet	Field Number	Description
0.0-	05	TOP SOIL
7.6	428	MOIST OR SILTY CLAY W/ ROCK FRAG
60	526	WET SILTY CLAY W/ROCK FRAG
5	1	REF 4' COBBLES
10		
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0 6 3 5

Project Identification: MAT-675-0.00 SUPPL

Co., Rt., Sec. No.: 939.6

Station: 39+00, Offset: E

Order Code: 0 2

Crew: SB EK KH

Date: 5-1-75

Equipment: (HA)

Surface Elev.: 2 Water Elev: -1

Depth Feet	Field Number	Description
0.0-	1	TOPSOIL
1.0	2	MOIST BR SILTY CLAY W/
	37	ROCK FRAG
7-6	33	MOIST BR SILTY CLAY W/
5	3	ROCK FRAG
	1	REF 6" COBBLE HA

10

15

20

25

30

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0035 Project Identification: NHOT-675-000-SUPPL

Co., Rt., Sec. No. 741.3

Station: 42+90 Offset: =

Order Code: 02

Crew: SB EK KH Date: 4-28-72

Equipment: TA

Surface Elev. Water Elev.

Depth Feet	Field Number	Description
0.0-	1	TOP SOIL
	65	MOIST DK BR SILTY CLAY w/ ROCK FRAG
2.6	27	
5		MOIST BR SILTY CLAY w/ ROCK FRAG
6.0	64	
6.0	2	WET DK BR SANDY CLAY w/ROCK FRAG
10		REF 9' BOULDERS
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0033 | Project Identification: NOT-675-0.00-SOPPL

Co., Rt., Sec. No.: 739.3

Station: 45+50, | Offset: 2 | Order Code: 02

Crew: SB FK KH | Date: 4-27-72 | Equipment: TA

Surface Elev. 2 | Water Elev.

Depth Feet	Field Number	Description
0.0-	0.5	TOP SOIL
	B	RESIDUAL SILTY CLAY W/
16	13	ROCK FRAG
5		
26	18	RESIDUAL SILTY CLAY W/
		ROCK FRAG
	1	REF'T BOULDERS
10		
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0035 | Project Identification: MOT-675-0.00-SUPPL | Co., Rt., Sec. No.: 937.1

Station: 48+60, | Offset: C | Order Code: 02

Crew: SB EK KH | Date: 4-27-72 | Equipment: FA

Surface Elev.: [illegible] | Water Elev.:

Depth Feet	Field Number	Description
0.0-	66	TOP SOIL
	59	MOIST DK BR SILTY CLAY W/ ROCK FRAG
6.6	27	
6.6	60	MOIST BR SILTY CLAY W/ ROCK FRAG
10.0	61	MOIST BR GR SANDY CLAY W/ ROCK FRAG
16.6	62	MOIST GR CLAY SLT
		REF 12' BOULDERS
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

code 04

RAMP U

FIELD BORING LOG

Project Code: 0 0 35

Project Identification: NOT-673-0.00-SUPPL

Co., Rt., Sec. No.: 7723

Station: 28+00, Offset: 2

Order Code: 2 4

Crew: SB EK KH

Date: 5-2-74

Equipment: HA

Surface Elev.: 2

Water Elev.: -3

Depth Feet	Field Number	Description
0.0-	04	TOP SOIL
	15	DARK BR SILTY CLAY W/
6.6	26	ROCK FRAG
6.6-	146	WET BR SILTY CLAY W/
8.0		ROCK FRAG
		REF 5' COBBLES

10

15

20

25

30

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0033 | Project Identification: MOT-675-0.00 SUPPL

Station: 30+60, | Offset: | Co., Rt., Sec. No.: 971.0 | Order Code: 04

Crew: SB EK KH | Date: 5-2-72 | Equipment: H4

Surface Elev. | Water Elev.

Depth Feet	Field Number	Description
0.0-	64	TOPSOIL
	14	MOIST DK BR SILTY CLAY
7.6	37	W/ROCK FRAG
		RCE 35 WITH H.A.

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0026 Project Identification: MOT-675-0.00-SOPL

Station: 36+00, Offset: Co., Rt., Sec. No. 766.0

Order Code: 04

Crew: SB FK KH Date: 5-2-72

Equipment: TA

Surface Elev. Water Elev.

Depth Feet	Field Number	Description
0.0-	6	TOP SOIL
6	9	MOIST BR SILTY CLAY w/ ROCK FRAG
5	10	MOIST BR SANDY CLAY w/ ROCK FRAG
Aa	15	
		SAME AS NO 10
10	11	
Aa	12	
		MOIST GR SANDY CLAY w/ ROCK FRAG
15	12	
24	11	
	13	MOIST GR SILTY CLAY w/ROCK FRAG
20		
Aa	9	
	1	Ref 22' BOULDER
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0035 | Project Identification: MT-675-0100-SUPPL

Co., Rt., Sec. No.: 940.6

Station: 30+00 | Offset: 1 | Order Code: 04

Crew: SB EK KH | Date: 4-27-72 | Equipment: TA

Surface Elev. 2 | Water Elev. -7

Depth Feet	Field Number	Description
0.0-	0.6	TOP SOIL
0.6	52	MOIST BR SILTY CLAY W/ ROCK FRAG
4.0	55	MOIST GR SANDY CLAY W/ ROCK FRAG
5	19	
	56	WET SAND & GRAVEL
3.0		
10	15	
		WET SAND & GRAVEL
14.0	57	
15	14	
14.0	58	MOIST GR SANDY CLAY W/ ROCK FRAG
	1	REF'G BOULDERS
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0035 | Project Identification: MOT-675-0.00-SUPPL | Co., Rt., Sec. No.: 937.0

Station: 55+00 | Offset: 50 Rt | Order Code: 04

Crew: SB, EK, KH | Date: 4-27-72 | Equipment: TA

Surface Elev. 2 | Water Elev. -3

Depth Feet	Field Number	Description
0.0-	0.6	TOP SOIL
2.6	42	MOIST BR SILTY CLAY
4a	49	WET SAND & GRAVEL
5	45	MOIST BR SANDY CLAY W/ ROCK FRAG
4a	10	
10		
4a	12	SAME AS NO 45
4a	46	MOIST GR SANDY CLAY W/ ROCK FRAG
15		
6a	13	
		REF 18' BOULDER
20		
25		Ramp N 55+04 + 82' Lt
30		

Use reverse side of this sheet for additional notes.

Form TE-135

FIELD BORING LOG

Project Code: 0035 | Project Identification: MT-675-0,00-SOPPL | Co., Rt., Sec. No.: 936.4

Station: 60+00, 35 RT | Offset | Order Code: 04

Crew: SB — EK KH | Date: 4-27-72 | Equipment: TA

Surface Elev.: 0 | Water Elev.: -9

Depth Feet	Field Number	Description
0.0-	46	TOP SOIL
	48	MOIST BR SILTY CLAY W/ ROCK FRAG
6.6	23	
6.0	49	MOIST BR SILTY CLAY & ROCK FRAG
	23	
	50	WET SAND & GRAVEL
10		
16	17	
15	15	WET SAND & GRAVEL
	52	MOIST BR & GR SILTY
4.6	20	CLAY W/ ROCK FRAG
20		
	1	COMPLETE 20'
25		
		60+40-58' LT
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 1035 | Project Identification: MIT-675-0.00-SCPPL

Station: 65+01 | Offset: 30 R | Co., Rt., Sec. No.: 9.3.4 | Order Code: 04

Crew: SB FK KH | Date: 4-27-72 | Equipment: FLA

Surface Elev.: [illegible] | Water Elev.:

Depth Feet	Field Number	Description
0.0-	05	TOP SOIL
	03	MOIST BR SANDY CLAY
7.6	25	W/ ROCK FRAG
	1	REF 3' WITH H.A.
5		
10		
15		
20		Ramp Y 16+00+42' Lt.
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

code 05

RAMP-Y

FIELD BORING LOG

Project Code: 2055 | Project Identification: MOT-675-0.00-S UPPL

Co., Rt., Sec. No.: 954.4

Station: 46+00, | Offset: C | Order Code: 0 3

Crew: SA EK KF | Date: 4-28-72 | Equipment: TA

Surface Elev. 2 | Water Ele. (-7)

Depth Feet	Field Number	Description
0.0	0.5	TOP SOIL
	12	MOIST BR SILTY CLAY W/ ROCK FRAG
5	23	
4a	22	MOIST BR SILTY CLAY W/ ROCK FRAG COURSE SAND & GRAVEL
10	74 19	
4a	753	MOIST BR SILTY W/ROCK FRAG
15		COMPLETE 15'
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 2126 Project Identification: MOT-675-0.00-SUPPL

Station: 53+20 Offset: E Co., Rt., Sec. No.: 7425

Order Code: 05

Crew: SB FR KH Date: 4-28-72

Equipment: TA

Surface Elev.: 0 Water Elev.: -6

Depth Feet	Field Number	Description
0.0-	65	TOP SOIL
	68	MOIST BR SILTY CLAY W/ ROCK FRAG
66 5	29	
	69	WET SAND & GRAVEL
16 10	15	
	70	WET SAND & GRAVEL
16 15		
	71	MOIST BR CLAY SILT
46 20	19	
		COMPLETED @ 20'
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

Code 06

LYONS Rd

FIELD BORING LOG

Project Code: 6245 | Project Identification: MOT-6 77

Station: 14+00, | Offset: 10 R | Co., Rt., Sec. No.: 730.2 | Order Code: 06

Crew: [illegible] | Date: 3-2-72

Equipment: [illegible]

Surface Elev.: [illegible] | Water Elev.: 5 FT

Depth Feet	Field Number	Description
0.0-		Lyons Road
6a	46	moist dark soil
6b	43	moist brown soil
2-4	48	wet sandy soil
4b	49	moist stiff clay-ey gravelly soil
10		Complete
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0235 | Project Identification: MOT-675-0.00 | Co., Rt., Sec. No.: 912.9

Station: 25+25.0 ℄ | Offset: | Order Code: 06

Crew: Lyons | Date: MAR-3-72

Equipment:

Surface Elev.: 0 | Water Elev.: 7'

Depth Feet	Field Number	Description
0.0–		LYONS ROAD
6.6	27	MOIST DARK TOP SOIL
7.6	28	MOIST BROWN SOFT
4.6	29	WET SOFT BROWN SAT
4.6	72	MOIST DENSE GREY SAND
10		COMPLETE
17		DRILLED 2 HOLES HOLES ARE AT 25+00 AND 1 25+26
20		GOT WASHED GRAVEL FOR 7 FEET THEN CONCRETE DRAINAGE SEWER
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0025 | Project Identification: MOT-675-0.00 | Co., Rt., Sec. No.: 713.7

Station: 29+00. | Offset: 5 Rt | Order Code: 04

Crew: LD | Date: March-3-72

JS | Equipment: WMS Buggy

Surface Elev.: (C) | Water Elev.: (C)

Depth Feet	Field Number	Description
0.0–		Lyons Road
6a	72	moist dark top soil
6b	28	moist brown soil
4a	31	wet soft brown silt
4b	25	moist stiff gray silty clay
10		Boring complete
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

Code 07

LYONS Rd

EXTENSION

FIELD BORING LOG

Project Code: 0035

Project Identification: MOT-675-0.08

Co., Rt., Sec. No.: 578.7

Station: 7+00, Offset: C

Order Code: 07

Crew: L.P. / T.S. Mac

Date: 3-1-72

Equipment:

Surface Elev.: Water Elev.:

Depth Feet	Field Number	Description
0.0-		Lyons RC Ext
		Black top soil 1 Ft.
1.6	4/29	Moist mottled clay
5		
1.6	4/25	moist stiff brown clay
		moist stiff gray clay
10		
6.6	4/24	auger refusal
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

12

Project Code: 0 0 3 5

Project Identification: HOT-673-0.00

Co., Rt., Sec. No.: 8226-

Station: 11+00.

Offset: C

Order Code: 0 7

Crew: 20 / 05

Date: 3-1-72

Equipment: MAYHEW

Surface Elev.: [illegible]

Water Elev.: 9'

Depth Feet	Field Number	Description: LYONS Rd EXT
0.0-		
1.2	48	[illegible]
2.6	28	[illegible]
5		
6.6	29	[illegible]
10		
6.0	20	[illegible]
15		Complete
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

15

Project Code: 0635

Project Identification: MOT - 6-15

Co., Rt., Sec. No.: 897.2

Station: 157+00, C

Offset:

Order Code: 07

Crew: [illegible]

Date: 3-1-72

Equipment: Bucyrus

Surface Elev.: [illegible]

Water Elev.: No Water

Depth Feet	Field Number	Description
0.0-		Lyons Rd Ext
7.6	526	Moist dense brown soil
7.6	524	Moist Mottled Clay
6.6	24	Moist stiff dense gray clay
6.6	25	Moist stiff dense gray clay
10		
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

12

Project Code: 0035

Project Identification: MOT - 675

Co., Rt., Sec. No.: 878.5

Station: 18+00.

Offset: C

Order Code: 07

Crew: LD / CS

Date: 3-1-72

Equipment: Auger

Surface Elev.: (S)

Water Elev: No Water

Depth Feet	Field Number	Description
0.0-		Loams Rd Ext
7.6	329	moist dark brown soil
15		
16.5	26	Moist Mottled silt clay
6a	46	Moist dense gray clay
10		
16	32	moist stiff dense gray clay
		Complete
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0 0 3 5

Project Identification: MOT-675-0.00-SUPPL

Co., Rt., Sec. No.: E96.0

Station: 21+50.

Offset:

Order Code: 0 7

Crew: SB FK KH

Date: 4-26-72

Equipment: HA

Surface Elev.: 2

Water Elev.: -3

Depth Feet	Field Number	Description
0.0	1	TOP SOIL
1.6	2	MOIST BR SILTY CLAY W/ ROCK FRAG
6.6	3	
6.6	4	MOIST BR & GR SILTY CLAY W/ ROCK FRAG
6.6	5	
		REFUS WITH HA

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0053 | Project Identification: MST-675-0.80 SCOPE | Co., Rt., Sec. No.: 906.2

Station: 24+50.0 | Offset: = | Order Code: 07

Crew: SB | Date: 4-25-72

EK TM | Equipment: CA

Surface Elev.: 2 | Water Elev.:

Depth Feet	Field Number	Description
0.0-	1	TOP SOIL
	2	MOIST BR SILTY CLAY W/ ROCK FRAG
26	25	
5		REF 4' WITH H.A.
10		
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

Code 08

SR 725

FIELD BORING LOG

Project Code: 0 0 8 5 | Project Identification: MoT - 675 - 0.00 | Co., Rt., Sec. No.: 918.4

Station: 839+50, | Offset: 1 0 E 20'Lt. | Order Code: 0 8

Crew: KP DD | Date: 2-29-72

Equipment: Auger

Surface Elev.: 5 | Water Elev.: See 82

Depth Feet	Field Number	Description
0.0-		
1-a	136	DRY GRAVEL BASE MATERIAL
1b 5	14	MOIST BROWN CLAY SOIL
1b	1511	MOIST SAND & SOIL
10 6a	18	MOIST GRAY SILT CLAY
		CONCRETE
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0 0 5 5

Project Identification: MDT-675-0.00

Co., Rt., Sec. No.: 511.4

Station: 843+00.

Offset: 20 L

Order Code: 0 8

Crew: LMD

Date: Feb-28-72

TS MD

Equipment:

Surface Elev.: 2 Water Elev.:

Depth Feet	Field Number	Description
0.0		BROWN MTRL 0-4'
4a	19	MOIST BROWN SAND
5		
6b	17 18	DRY GRAY CLAY
10		
6b	123	MOIST GRAY SILTY CLAY
		CONGLOM
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0033 | Project Identification: Mot-675-0.00

Co., Rt., Sec. No.: 900.7

Station: 866+00, | Offset: 24 | Order Code: 08

Crew: L.M.D. J.S. M.D. | Date: Feb-28-72 | Equipment: Wms Augers

Surface Elev.: (C) | Water Elev.: NR

Depth Feet	Field Number	Description
0.0-		Gravel base 1 foot
6a	416	moist brown soil
5		
6b	519	moist brown soil
10		
6b	618	Moist. dense gray soil
		Complete
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

46111 FIELD BORING LOG 46520

Project Code: 0025 Project Identification: MOT-675-000

Co., Rt., Sec. No.: 877.2

Station: 869+50 Offset: 20 L Order Code: 05

Crew: Land Date: Feb-28-72

I.S. M.D. Equipment: WMS Augur

Surface Elev.: 0 Water Elev.: Dry

Depth Feet	Field Number	Description
0.0		
		Gravel base 1 Foot
6a	1/6	Dry brown clay
5		
6b	2/17	moist brown clay
10		
6b	3/23	moist dense gray clay
		Complete
15		
20		
25		
30		

MAR 10 1972

Use reverse side of this sheet for additional notes.

Form TE-133

Code 09

RAMP N

FIELD BORING LOG

Project Code | Project Identification: Wis-032-0.00-Portage

Co., Rt., Sec. No.: 900.2

Station: 115+00, 95' Rt | Offset | Order Code: 09

Crew: Koop N | Date | Equipment

Surface Elev. | Water Elev.

Depth Feet	Field Number	Description
0.0-		TS=0.4
4.0	23	
5		
6.0	22	
10		
15		
20		Wis. 1157.0-4
		Topsoil 1262
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code | Project Identification: Mot-625-0.00-Dubuque Co., Rt., Sec. No. 899.1

Station: 118+93, 106 Rt | Offset | Order Code: 09

Crew: Crew N | Date | Equipment: H.A

Surface Elev. | Water Elev.

Depth Feet	Field Number	Description
0.0–		FS = 0.5'
	7½ 25	
5		Ref. H.A
10		
15		
20		Was 117 too - ¢
		Proposed FL 625'
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 6035 | Project Identification: MOT-675-0.00 SUPPL | Co., Rt., Sec. No.: 700,1

Station: 123+60, | Offset: Rt | Order Code: 09

Crew: SB EK KH | Date: 4-27-72 | Equipment: T.A.

Surface Elev.: 2 | Water Elev.:

Depth Feet	Field Number	Description
0.0-	25	TOP SOIL
	42	MOIST BR SILTY CLAY AND ROCK FRAG
16	27	
5	1	R.C.F. 4' WITH T.A.
10		
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

Code 10

FRONTAGE ROAD

FIELD BORING LOG

Project Code: 0 0 3 5 | Project Identification: MOT-675-0.00-SUPPL

Co., Rt., Sec. No.: 900.3

Station: 5+50 | Offset: | Order Code: 10

Crew: SB | Date: 4-26-72

EK KH | Equipment: TA

Surface Elev.: 6 | Water Elev.:

Depth Feet	Field Number	Description
0.0-	0.5	TOP SOIL
5	31	MOIST BR SILTY CLAY
6b	26	
10	32	BR SILTY CLAY W/ ROCK FRAG
6b	20	
15	33	DK GR SILTY CLAY
6b	17	
20	34	MOIST DK GR SILTY W/ ROCK FRAG
6b	20	
25	35	MOIST DK GR SILTY CLAY
6b	25	
30	36	MOIST DK GR SILTY CLAY
6b	26	

Use reverse side of this sheet for additional notes.

COMPLETE

Form TE-133

FIELD BORING LOG

Project Code: 0135 | Project Identification: MOT-675-0100-30PPL

Station: 8+50, | Offset: C | Co., Rt., Sec. No.: STR. F | Order Code: 10

Crew: SB EK KH | Date: 4-27-72 | Equipment: TA

Surface Elev. 2 | Water Elev. -12

Depth Feet	Field Number	Description
0.0-	36	TOP SOIL
	37	BR SILTY CLAY W/ ROCK FRAG
76 5	25	
	27	STILL AS ABOVE
66	38	
	39	MOIST BR SILTY CLAY
10		
6a	28	
4a	40	MOIST DK GR SANDY CLAY
15		W/ ROCK FRAG
	41	MOIST DK GR SILTY CLAY
66	23	
20		
	1	COMPLETE 20'
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0035 | Project Identification: MOT-675-0.00-SUPPL | Co., Rt., Sec. No.: 893.9

Station: 114+00, | Offset: C | Order Code: 10

Crew: 5B | Date: 4-26-72

EK KH | Equipment: HA

Surface Elev.: 2 | Water Elev.: -3

Depth Feet	Field Number	Description
0.0-	01	TOP SOIL
2.6	29 32	MOIST DK BR SILTY CLAY
7.6	33	WET BR SILTY CLAY
		REC WITH H.A

10

15

20

25

30

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0035

Project Identification: MOT-675-000-SUPPL

Co., Rt., Sec. No.: 893.7

Station: 17+00

Offset:

Order Code: 10

Crew: SB EK KH

Date: 4-26

Equipment: CME 45

Surface Elev.: 2 Water Elev.:

Depth Feet	Field Number	Description
0.0-	0.5	TOP SOIL
	2.5	SANDY FR SILTY CLAY
7.5	3.5	
	1	REF 5.5 WITH H.A.
10		
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

Code 11

RAMP L

FIELD BORING LOG

Project Code: 0 8 3 3

Project Identification: MoT - 675 - 0.00

Co., Rt., Sec. No.: 896.4

Station: 119+50.1

Offset: 164

Order Code: 1 1

Crew: [illegible]

Date: Mar. - 3 - 72

Equipment: Wm S

Surface Elev.: [illegible]

Water Elev: Seep 7.0

Depth Feet	Field Number	Description
0.0-		Ramp
		Top Soil
6a	29	DARK brown soil
6a	22	Moist brown soil
6a	25	wet soft brown soil
		Seep
10		moist stiff dense
6b	23	gravelly clay
		Bedrock
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

121488 FIELD BORING LOG

Project Code | Project Identification: Mo1-67S-0.00 - Duplicate

Station: 132+98.1 | Offset: 230 Lt. | Co., Rt., Sec. No.: 897.3 | Order Code: 11

Crew: Kemper | Date | Equipment

Surface Elev. | Water Elev.

Depth Feet	Field Number	Description
0.0		TS=0.5
6	18	
10	17	
15		
20		Was. 12300 - €
		Bypassed 12675
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0035 | Project Identification: MoT - 675 000 | Co., Rt., Sec. No.: 8647

Station: 125+20. | Offset: 2 | Order Code: 11

Crew: LP, TS, MD | Date: Feb-29-72 | Equipment: Auger

Surface Elev.: (2) | Water Elev.: (8')

Depth Feet	Field Number	Description
0.0-		Ramp
6a	32/27	moist dark brown soil
5		
6a	33/27	moist dense brown clay
6a	~~34/28~~	~~brown~~ brown silt clay
10		
6a	35/28	moist denser grey clay
		Completed
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0035

Project Identification: MOT - 675 - 0.06

Co., Rt., Sec. No.: S14.3

Station: 129+40.

Offset: 20 R

Order Code: 1 1

Crew: LD JS

Date: Feb-29-72

NAD

Equipment: Auger

Surface Elev: 894.3

Water Elev.: No Water

Depth Feet	Field Number	Description
0.0		Ramp
7.6	41	moist dark soil
5		
7.6	41 32	moist dense brown clay
7.6	23 42	moist stiff dense gray clay
10		
7.6	24 43	moist stiff dense gray clay
15		
4.0	44	moist gray
		Ref 18½ feet
20		White pinnacled limestone on BT
		Rock or boulder
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

Code 12

RAMP M

FIELD BORING LOG

Project Code: 6035 | Project Identification: MOT-675-0.00 | Co., Rt., Sec. No.: 53.8

Station: 119+50.00 C | Offset: | Order Code: 12

Crew: LD | Date: Feb-24-82

TS AD | Equipment: Auger

Surface Elev.: 4 | Water Elev.: 6 FT

Depth Feet	Field Number	Description
0.0-		Ramp M
7-6	3628	moist dark brown soil
6-6	3727	moist dense brown
	28	& grey soil
1-6	3824	wet brown sand
10		
6-6	3924	moist dense grey clay
15		
20		Drilled by mistake, on M instead of L
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 2035

Project Identification: MO 675-0.00

Co., Rt., Sec. No.: 873.6

Station: 124+00, Offset: C

Order Code: 12

Crew: 47

Date: MAR. 2-72

Equipment: Mobile

Surface Elev.: 0 Water Elev.: 7'

Depth Feet	Field Number	Description
0.0-		RAMP M
7.6	30	DARK BROWN SOFT
6.5	25	MOIST BROWN SOFT
6.0	29	WET SOFT BROWN SOFT
10		
6.6	34	MOIST STIFF BROWN SOFT
		GRAY SOFT
15		COMPLETE
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code

Project Identification: Mat-675-000- Dyke Le

Co., Rt., Sec. No. 894.6

Station: 127+30.1 Offset: 120 Lt.

Order Code: 12

Crew: Ramp 122 Date

Equipment

Surface Elev. Water Elev.

Depth Feet	Field Number	Description
0.0		TS=0.5
5	20	
10	23	
15	24	
20		Was - 122+00 ℄
25		Proposed TR 675
30		

Use reverse side of this sheet for additional notes.

Form TE-133

Code 13

Reloc. Yankee St.

FIELD BORING LOG

Project Code: 6035

Project Identification: MST-675-000

Co., Rt., Sec. No.: 914.6

Station: 26+00.

Offset: 12 L

Order Code: 1.3

Crew: L.D. J.S. R.W.D.

Date: Feb-29-72

Equipment: Auger

Surface Elev.: 0

Water Elev.:

Depth Feet	Field Number	Description
0.0-		Reloc Yankee Rd.
		Dark top soil 2ft
6.0-	4519	moist brown c/fg soil
		Ref on Limerock
		Drilled 3 Holes Coeld'nt get deeper
		12

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0 0 3 5

Project Identification: MOT-675-0.00 SUPPL

Co., Rt., Sec. No.: 907.5

Station: 30+02.

Offset:

Order Code: 1 3

Crew: SB FK KW

Date: 4-26-72

Equipment: H.A

Surface Elev.: 6

Water Elev.:

Depth Feet	Field Number	Description
0-	1, 6	TOP SOIL
		SILTY CLAY W/ROCK FRAG
76	5 24	
5		REF 315 WITH H.A.
10		
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0135 | Project Identification: MT-675-0.08-SOPPL

Co., Rt., Sec. No.: 901.2

Station: 32+50 | Offset: C

Order Code: 13

Crew: SB, EK, KH | Date: 4-25-72 | Equipment: H.A.

Surface Elev.: 2 | Water Elev.:

Depth Feet	Field Number	Description
0.0-	1.6	TOP SOIL
	6	MOIST BR SILTY CLAY W/ ROCK FRAG
2.6	2A	
5	1	REF W/ WITH H.A.
10		
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0055 | Project Identification: MST-675-0.00-SCAPL

Co., Rt., Sec. No.: 90e.J

Station: 36+00 | Offset: E

Order Code: 13

Crew: SB ER RH | Date: 4-26-72 | Equipment: TA

Surface Elev.: 2 | Water Elev.:

Depth Feet	Field Number	Description
0.0	26	TOP SOIL
6b	7 17	MOIST BR SILTY CLAY W/ ROCK FRAG
5		
6b	8 21	BR SILTY CLAY W/ ROCK FRAG
10		
6a	9 21	BR SILTY CLAY W/ ROCK FRAG
15		
		COMPLETE 15'
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0635 | Project Identification: MoT-675-0.00 | Co., Rt., Sec. No.: 897.3

Station: 99+50. | Offset: C | Order Code: 13

Crew: JMD | Date: Feb-28-72

52 Crew: JS MD | Equipment: WMS Auger

Surface Elev.: ℄ | Water Elev.: Soft 9½

Depth Feet	Field Number	Description
0.0		Reloc Yankee ST
		Gravel Base 1.2
1.6	71	Moist brown & grey Soil
5		
6.6	69	moist brown clay Soil
		Soft
10		
4.0	69	wet Sandy Soil
		Compact.
15		
		Too wet to get into field at 4.0 ft
20		
		Refusal
25		Split Bar - 22' Lt.
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0135 | Project Identification: MST-675-0.0 -SUPPL | Co., Rt., Sec. No.: 892,3

Station: 44+02, | Offset: 5 | Order Code: 13

Crew: SB EK KH | Date: 4-26-72 | Equipment: FA

Surface Elev.: 4 | Water Elev: -8

Depth Feet	Field Number	Description
0.0-	1,5	TOPSOIL
	10	MOIST BR SILTY CLAY W/ ROCK FRAG
6.6-	22	
5		
6.6-	1PS	MOIST BR SILTY CLAY W/ ROCK FRAG
		WET BR SILTY CLAY
6.6	12	
10	25	
		MOIST BR SILTY CLAY
6.6	25	
15	33	
	1	Complete 15'
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 2033 | Project Identification: MST-675-0.00-SOPL | Co., Rt., Sec. No.: 894.2

Station: 52+50 | Offset: C | Order Code: 1 3

Crew: SB FK KH | Date: 4-26-72 | Equipment: TA

Surface Elev.: 2 | Water Elev.: -8

Depth Feet	Field Number	Description
0	9	TOP SOIL
		MOIST DK BR SILTY CLAY
76	14	
	26	
5		MOIST BR & GR SILTY CLAY
76	13 26	
		MOIST BR SILTY CLAY W/
68	16	ROCK FRAG
10	21	
46	25	MOIST BR CLAY SILT
		MOIS GR CLAY SILT
	18	
15		
26	21	
		MOIST BR SILTY CLAY
66	19	
20	25	
		REF 22' CAN'T CUT
25		Footage - End C - 7' Rt
		Bridge Beginning C - 25' Rt
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code 49316 Project Identification 49092

0 1 3 3 | MD-675-0.00 SOPAC

Co., Rt., Sec. No. 902.0

Station 56+00.1 Offset 45 R

Order Code 1 3

Crew SB Date 4-25-72

EK KH Equipment HA

Surface Elev. Water Elev.

Depth Feet	Field Number	Description
0.0		
	0.6	TOPSOIL
	1	FINE TO MED SILTY CLAYEY
6.6	22	ROCK FRAG
		REF 2.5 WITH HA

Use reverse side of this sheet for additional notes.

Form TE-133

Code 14

RAMP J

FIELD BORING LOG

Project Code: 0035 | Project Identification: MOT-675-0.00-SCPPL

Co., Rt., Sec. No.: 8940

Station: 1142+50 | Offset: — | Order Code: 14

Crew: SB FK KH | Date: 4-26-72 | Equipment: TA

Surface Elev.: 2 | Water Elev: -7

Depth Feet	Field Number	Description
0.0	19	TOP SOIL
	20	MOIST BR TO GR SILTY CLAY W/ ROCK FRAG
5	27	
	21	WET BR SILTY CLAY W/ ROCK FRAG
10	22	
	22	MOIST GR SANDY CLAY SILT
15	20	
	23	MOIST DK GR SILTY CLAY
20	22	
	25 24	SAME AS NO 23
25		COMPLETE @ 25'
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0 0 3 5

Project Identification: NOT-675-0.00-SUPPL

Co., Rt., Sec. No.: S96.0

Station: 146+75, Offset: Rt

Order Code: 1 4

Crew: SB FK KH

Date: 4-26-72

Equipment: HA

Surface Elev.: ℄ Water Elev.: -3

Depth Feet	Field Number	Description
0.0-	15	TOP SOIL
76	22 33	MOIST BR SILTY CLAY
76	23 51	WET GR+BR SILTY CLAY
		RF 5" WITH HA

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code | Project Identification: MoT-675 - 0.00 - Duplicate

Co., Rt., Sec. No.: Jeff. 3

Station: 151+50 | Offset: 96 Rt | Order Code: 1/4

Crew: Ramos J | Date:

Equipment:

Surface Elev.: | Water Elev.:

Depth Feet	Field Number	Description
0.0-		TS=0.4
6a	13	
5		
4a	12	
10		
		Was - 151+50 - Q
15		Proposed IR @ 25'
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code | Project Identification: Mat-625-0(00)--Hydesboro

Co., Rt., Sec. No.: 203.7

Station: 515+00, Offset: 70 Rt.

Order Code: 1 1

Crew: Beam 5 Date:

Equipment:

Surface Elev.: Water Elev.:

Depth Feet	Field Number	Description
0.0-		TS 0.5
6a	13	
5		
6b	13	
10		
6a	12	
15		
		Was - 155+00 - ℄
20		Proposed TP 675
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

Code 15

RAMP-K

FIELD BORING LOG

Project Code: 0 0 3 5

Project Identification: MOT-675-0.00 SUPPL

Co., Rt., Sec. No.: 852.3

Station: 14+75

Offset:

Order Code: 1 5

Crew: SB FK KH

Date: 4-26-72

Equipment: A-7

Surface Elev.: 2 Water Elev.:

Depth Feet	Field Number	Description
0.0-	0.5	TOPSOIL
2.0	3.7	MOIST BR SILTY CLAY MT ROCK FRAG
		REF 3' WITH H.A.

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code | Project Identification: NOT-62S-0.00-Orchard

Co., Rt., Sec. No. 891.9

Station: 147+65.15 Offset: 74. Rt.

Order Code: 16

Crew: Bangs K Date:

Equipment:

Surface Elev.: Water Elev.: -4

Depth Feet	Field Number	Description
0.0		TS=0.5"
5	7-G 31	
10	4a 11	
15	Ga 22	
20		WOS 147+30. Rt.
		Proposed IR 0.7
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

Code 16

McEWEN Rd

FIELD BORING LOG

Project Code: 0035

Project Identification: NDT - 6°25 - 00 5

Co., Rt., Sec. No.: 888

Station: 9+00, Offset: 3 R

Order Code: 1 6

Crew: [illegible] Date: 1-22

60 Equipment: Diet

Surface Elev. [illegible] Water Elev. 3½

Depth Feet	Field Number	Description
0 0-		
7-6	25	Most dark brown soil
6b	26	wet, soft sandy soil
4a	1/2	moist brown soil
10		Drill Hole
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 0035

Project Identification: HOT [illegible] - 0101

Co., Rt., Sec. No.: 8717

Station: 15+001.

Offset: 20 R

Order Code: 16

Crew: LD

Date: 2-7a-11

Equipment: Auger

Surface Elev.: 6

Water Elev.: 9

Depth Feet	Field Number	Description
0.0-		Mc Eyrie Woods
76	220	Moist dark brown soil
5 76	225	Moist brown silty soil
76	227	moist dense gray soil + water
10		
4a	33	WET Sand
6a	2 1/2	Dry Soil
		Boulders
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 6035 | Project Identification: 107 [illegible] 0.0 | Co., Rt., Sec. No.: 557.2

Station: 16+20.1 8 Rt | Offset | Order Code: 1 6

Crew: L-0 / I S NO | Date: Feb-29-72 | Equipment: Buggy

Surface Elev.: [illegible] | Water Elev.: 92

Depth Feet	Field Number	Description
0.0-		Power lines Above rt 8 Rt
7-6	26 25	moist dark brown silt
6b	24	moist brown silt
6b	27	moist gray clay
10		← WATER
30	23 28	WET brown sand
6ob	29	moist dense gray
		Complete
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code: 2635

Project Identification: Mat-Su-90

Co., Rt., Sec. No.: 911.5

Station: 25+00, 12RT

Offset:

Order Code: 1 4

Crew: LD

Date: Feb-29-72

Equipment: Auger

Surface Elev.: 0

Water Elev.: No water

Depth Feet	Field Number	McEwen Road Description
0.0		
	30	moist brown clay
6.0	14	
6.6	31	moist brown clay
10	17	
		complete
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code | Project Identification: Dyduale-Mel-675-0.00

Co., Rt., Sec. No.: 900,3

Station: 151+50, ℄ | Offset | Order Code

Crew | Date

Equipment

Surface Elev. ℄ | Water Elev.

Depth Feet	Field Number	Description
0.0-		TS = 0.5'
6.0	13	
8		
8.0	12	
10		
15		
20		Rock at 21'
25		Refusal at 27'
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code | Project Identification: Duplicate - Mof-675-0,0a

Co., Rt., Sec. No. 900.2

Station: 115+00, | Offset: C | Order Code

Crew | Date

Equipment

Surface Elev. E | Water Elev.

Depth Feet	Field Number	Description
0.0-		TS = 0.5
5a	23	(1)
6a	22	
10		
15		
20		
25		Rock @ 25' Ft.
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code | Project Identification: Duplicate - Mut-6(2)=0.0J

Co., Rt., Sec. No. 899.1

Station: 11/97+00, Offset: Q | Order Code

Crew | Date

Equipment: HA

Surface Elev. ℄ | Water Elev.

Depth Feet	Field Number	Description
0.0-		TS=0.2
7-6	25	
5		Ref. HA
10		
15		
20		Ref= N. 116+53.2=106' Rt
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code | Project Identification: Pyramid - Mat-67-0.00

Co., Rt., Sec. No. 871.3

Station: 123+00, Offset: ℄ | Order Code

Crew _____ Date _____

Equipment _____

Surface Elev. ℄ Water Elev. _____

Depth Feet	Field Number	Description
0.0		TS=0.5'
6.5	18	
8		
8.0	17	
10		
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code | Project Identification: Dupont - 11Pet-675-0 ew

Co., Rt., Sec. No.: 894.6

Station: 12 7+00 | Offset: 4 | Order Code

Crew | Date

Equipment

Surface Elev. C | Water Elev.

Depth Feet	Field Number	Description
0.0-		TS = 0.4'
7-6	20	
5		
6 6	23	
10		
6 6	24	
15		
20		
25		Boring #1 123+20-720' Lt.
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code | Project Identification: Daybreak - Mat-675-0.0

Co., Rt., Sec. No. 891.9

Station: 147+30.1 | Offset: 6 | Order Code

Crew: [illegible] | Date

Equipment

Surface Elev. 6 | Water Elev. -4

Depth Feet	Field Number	Description
0.0-		TS=0.4
7-6	31	
5		
4a	11	
10		
6a	22	
15		
20		Nat Gr. k
		147+68-15'Rt.
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

FIELD BORING LOG

Project Code | Project Identification: Duplex Ln - Mul - 6.75 - 0.00

Co., Rt., Sec. No. 203.7

Station: 15+00.1 | Offset: ℄ | Order Code

Crew | Date

Equipment

Surface Elev. | Water Elev.

Depth Feet	Field Number	Description
0.0-		TS = 0.2'
6.0	13	
5		
6.6	13	
10		
12.0	12	
15		
20		Rock @ 17'
		Augered to 25' Ref.
25		
30		

Use reverse side of this sheet for additional notes.

Form TE-133

SO-8

SUMMARY OF TESTS ON SOIL PROFILE SAMPLES

1/2

County, Rt. No., & Section Mot-675-0.00

Lab. No. So.-	Sample No.	Station	Depth In Feet	Mechanical Analysis					Physical Charact.			Density		SHTL Class	Remarks
				Agg. %	C Sand %	F Sand %	Silt %	Clay %	L.L.	P.I.	Water Cont. %	Opt.	Max. Dry Wt.		
		Ramp N													
		115+00 - 95' Rt	0.5-5	2	3	27	37	31	26	8	23			A-4a	
			5-10	1	1	5	39	54	33	15	22			A-6a	
		118+93 - 106	0.5-40	0	1	5	33	61	42	18	25			A-7-6	
		Ramp L													
		122+93 - 250' Lt	0.5-5	0	1	2	40	57	35	18	18			A-6b	
			5-10	0	1	1	41	57	29	13	17			A-6a	
		Ramp M													
		127+30 - 120 Lt	0.5-6	0	1	2	31	66	43	23	20			A-7-6	
			6-12	0	6	0	32	68	39	21	23			A-6b	
			12-15	3	4	3	24	66	40	20	24			A-6b	
		Ramp J													
		151+50 - 96' Lt	0.5-5	17	9	18	34	22	27	13	13			A-6a	
			5-10	22	10	19	31	18	18	6	12			A-4a	
		155+00 - 78' Rt	0.5-6	16	8	16	31	29	28	13	13			A-6a	
			6-11	14	9	17	36	24	34	21	13			A-6b	
			11-14	8	6	12	38	36	26	13	12			A-6a	

SO-8

SUMMARY OF TESTS ON SOIL PROFILE SAMPLES

2/2

County, Rt. No., & Section Mod-675-0.00

Lab. No. So.-	Sample No.	Station	Depth In Feet	Mechanical Analysis: Agg. %	C Sand %	F Sand %	Silt %	Clay %	Physical Charact. Density: L.L.	P.I.	Water Cont. %	Opt.	Max. Dry Wt.	SHTL Class	Remarks
		Ramp K													
		14765-15714	0.5-5	9	2	8	30	51	45	22	31			A-7-6	
			5-10	10	7	15	48	20	19	5	11			A-4a	
			10-15	6	4	8	31	51	30	11	22			A-6a	

LOG OF BORING

Date Started 3-16-71 | Sampler Type SS | Dia 1 3/8" | Water Elev ____

Date Completed 3-18-71 | Casing: Length 32.5' | Dia 3 1/2"

Boring No B-1 | Station & Offset 18+62, 7' LT. (REAR ABUTMENT) | Surface Elev 887.7'

Elev.	Depth	Std Pen (N)	Rec ft.	Loss ft.	Description	Sample No	Physical Characteristics: % Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C	SHTL Class.
887.7	0														
885.2	2														
	4	3/4			BROWN & GRAY SILTY CLAY	1	4	4	8	41	43	39	17	37	A-6b
882.7	6	4/5			BROWN & GRAY CLAY	2	2	1	4	46	47	41	21	27	A-7-6
880.2	8	4/5			GRAY SILTY CLAY	3	0	1	2	28	69	40	18	24	A-6b
877.7	10	12/15			GRAY SANDY GRAVELLY CLAY	4	27	11	11	25	26	29	13	13	A-6a
875.2	12														
	14	15/22			GRAY GRAVELLY SANDY SILT	5	24	12	17	27	20	18	5	11	A-4a
872.7	16	16/18			GRAY GRAVELLY SANDY SILT	6	24	10	15	28	23	20	8	11	A-4a
870.2	18	10/10			GRAY GRAVELLY SANDY SILT	7	23	7	23	28	19	18	6	13	A-4a
867.7	20	9/13			BROWN SILTY SAND	8	0	1	71	21	7	NP	NP	24	A-3a
	22														
	24														
862.7	26	13/17			BROWN SILTY SAND	9	3	2	69	17	9	NP	NP	25	A-3a
	28														
857.7	30	10/11			BROWN SILTY SAND	10	14	12	42	16	16	NP	NP	22	A-3a
855.2	32														
	34		2.2	0.3	TOP OF ROCK										
	36		4.8	0.2	SHALE, GRAY, MEDIUM-FIRM, CALCAREOUS, INTERBEDDED WITH GRAY, HARD, DENSE LIMESTONE BEDS (0.1' TO 0.3' THICK) COMPRISING 23% OF THE INTERVAL, AND THIN CLAY SEAMS THROUGHOUT, GENERALLY BROKEN AND JOINTED, WITH SCATTERED VERY BADLY BROKEN INTERVALS, CORE LOSS: 5%										
	38														
	40														
843.2	44		2.5	0.0	BOTTOM OF BORING										

LOG OF BORING

Date Started 7-22-71
Date Completed 7-23-71
Boring No B-1

Sampler Type SS Dia 1 3/8"
Casing Length 39' Dia 3 1/2"
Station & Offset 10+89, 40' LT. (REAR ABUTMENT)

Water Elev ____

Surface Elev 887.1'

Elev	Depth	Std Pen (N)	Rec ft	Loss ft	Description	Sample No	Physical Characteristics: % Agg	% C S	% F S	% Silt	% Clay	LL	PI	W C	SHTL Class.
887.1	0														
	2														
884.6															
	4	2/3			BROWN GRAVELLY CLAY	1	14	3	10	38	35	37	17	34	A-6b
882.1															
	6	4/4			BROWN GRAVELLY SANDY SILT	2	15	6	13	42	24	17	3	13	A-4a
879.6															
	8														
		4/6			BROWNISH-GRAY SANDY SILT	3	8	2	44	27	19	18	4	23	A-4a
877.1	10														
		6/8			BROWN SILTY SAND	4	0	3	74	16	7	NP	NP	20	A-3a
874.6	12														
	14	3/4			BROWN SILTY SAND	5	14	3	69	7	7	NP	NP	21	A-3a
872.1															
	16	4/8			BROWN SILTY SAND	6	0	0	78	17	5	NP	NP	23	A-3a
869.6	18														
		6/11			BROWN SILTY SAND	7	0	1	82	10	7	NP	NP	21	A-3a
867.1	20														
		5/6			BROWN SILTY SAND	8	9	5	66	14	6	NP	NP	24	A-3a
	22														
	24														
	26	5/5			BROWN SILTY GRAVELLY SAND	9	18	1	59	16	6	NP	NP	25	A-3a
	28														
857.1	30														
		5/5			BROWNISH-GRAY SILT	10	0	0	9	82	9	NP	NP	31	A-3a
	32														
	34														
852.1	36	36/27			BROWN SILTY SANDY GRAVEL WITH COBBLES	11	65	6	7	10	12	22	9	16	A-4b
	38														
848.1	40		0.9	0.1	TOP OF ROCK										
			3.3	1.7											
					LIMESTONE, GRAY, HARD, DENSE, FOSSILIFEROUS, WITH GRAY, CALCAREOUS, FIRM, SHALE INTERBEDS (COMPRISING 20% OF THE INTERVAL) BROKEN AND JOINTED THROUGHOUT. CORE LOSS 19%.										
			4.7	0.3											
837.1	50				BOTTOM OF BORING										

LOG OF BORING

Date Started 5-21-71 | Sampler Type SS | Dia 1 3/8" | Water Elev
Date Completed 5-24-71 | Casing Length 35' | Dia 3 1/2"
Boring No B-1 | Station & Offset 854+97, 40' RT. (REAR ABUTMENT) | Surface Elev 893.6'

Elev	Depth	Std Pen (N)	Rec ft.	Loss ft.	Description	Sample No	Physical Characteristics % Agg	% C S	% F S	% Silt	% Clay	L L	P I	W C	SHTL Class.
893.6	0				SOD & TOPSOIL										
893.4	2														
	4														
888.6	6	1/1			GRAY SANDY CLAY	1	13	19	27	25	16	36	11	76	A-6a
886.1	8	4/5			GRAY CLAYEY SILT	2	4	1	1	28	66	39	16	27	A-6b
883.6	10	2/3			GRAY SILT AND CLAY	3	0	2	2	41	55	34	13	28	A-6a
	12														
881.1	14	4/5			NO SAMPLE RECOVERED										
878.6	16	7/10			GRAY GRAVELLY SILT	4	13	5	6	41	35	23	6	17	A-4a
876.1	18	6/10			GRAY GRAVELLY SILT	5	28	3	4	40	25	23	7	14	A-4a
873.6	20	50 (0.8')			GRAY SILTY SANDY GRAVEL	6	56	8	7	15	14	22	10	11	A-2-4
871.1	22				NO SAMPLE RECOVERED (BOULDERS)		V		I	S		U	A	L	
868.6	24														
	26	9/15			GRAY SILTY SANDY GRAVEL	7	-	-	-	-	-	25	9	15	A-2-4
	28														
863.6	30	21/17			GRAY SILTY SANDY GRAVEL	8	52	13	12	12	11	17	4	7	A-1-b
	32														
	34														
858.6															
857.6	36	12/19			GRAY SILTY SAND (WASH SAMPLE)	9	0	12	77	-11	-	NP	NP	32	A-3a
	38														
853.6	40				BROWN CLAY & BOULDERS										
					TOP OF ROCK										
	42														
			4.3	0.7	LIMESTONE, GRAY, HARD, DENSE, FOSSILIFEROUS, WITH GRAY, MEDIUM-FIRM, CLAY SHALE INTERBEDS (COMPRISING 21% OF THE INTERVAL) AND CLAY SEAMS, BROKEN AND JOINTED. CORE LOSS 14%.										
848.6	44				BOTTOM OF BORING										

Date Started 11-15-71
Date Completed 11-16-71
Boring No. B-1
Sampler Type SS Dia. 1 3/8"
Coring Length 15' 3 1/2"
Station & Offset 20+74, 22' LT. (REAR ABUTMENT)
Water Elev. 898.5'

Lyons Rd. Ext.

Elev.	Depth	Sample No.	Blows per 6"	Description	Sieve No. 10	40	60	140	200	Hydrometer 0.05 mm	0.02 mm	0.005 mm	P.I.	W.C.	AASHTO Class.
898.5	0														
896.0	2														
893.5	4	5/7	25-35	BROWN SILTY CLAY	1	0	7	0	54	39	41	19	25		A-7-6
	6	6/18	5-6	BROWN SILT AND CLAY	2	9	4	7	55	25	31	14	17		A-6a
891.0	8	14/24	25-[illegible]	GRAY SILT AND CLAY	3	7	3	6	56	28	28	12	16		A-6a
888.5	10	14/15	10-11	BROWN SILT AND CLAY	4	-	-	-	-	-	-	-	10		VISUAL
886.0	12	15/17	[illegible]	GRAY SANDY SILT	5	8	9	17	35	31	22	8	11		A-4a
883.5	14	15/15	[illegible]	GRAY SANDY SILT	6	10	8	17	34	31	21	8	13		A-4a
881.0	16	29/27	[illegible]	GRAY SANDY SILT	7	9	8	16	38	29	20	6	12		A-4a
878.5	18	10/14	[illegible]	GRAY GRAVELLY SANDY SILT	8	23	10	16	31	20	19	8	11		A-4a
	20														
	22														
873.5	24														
	26	12/14	[illegible]	GRAY SILTY CLAY	9	0	1	0	22	77	37	16	22		A-6b
	28														
868.5	30	9/13	[illegible]	GRAY CLAYEY SILT	10	8	5	16	35	36	23	7	24	6	A-4a
865.5	32			TOP OF ROCK											
	34		0.9	1.1											
	36			CLAY SHALE, BLUE-GRAY AND GRAY, FIRM, CALCAREOUS WITH GRAY, HARD, DENSE, CRYSTALLINE, FOSSILIFEROUS LIMESTONE INTERBEDS (COMPRISING 30% OF THE INTERVAL) BROKEN AND JOINTED. CORE LOSS 47%.										
	38		1.0	4.0											
	40														
	42														
	44		3.2	1.8											
	46														
850.5	48		1.9	2.1											
				BOTTOM OF BORING											

LOG OF BORING

Date Started 11-23-71 | Sampler Type SS | Dia 1 3/8" | Water Elev.
Date Completed 11-23-71 | Casing Length 40' | Dia 3 1/2"
Boring No B-1 | Station & Offset 18+24.2 8' RT. (REAR ABUTMENT) | Surface Elev. 925.4'

Elev	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.											
925.4	0														
	2														
922.9	4	2/2			BROWN SANDY CLAY	1	10	5	16	32	37	30	14	22	A-6a
920.4	6	10/7			GRAY SILT	2	0	1	11	70	18	NP	NP	18	A-4b
917.9	8	7/9			GRAY CLAYEY SILT	3	0	1	3	53	43	23	7	23	A-4b
915.4	10	21/22			GRAY SILT	4	0	0	25	71	4	NP	NP	19	A-4b
912.9	12														
	14	10/11			GRAY SILT	5	0	0	11	82	7	NP	NP	25	A-4b
910.4	16	10/5			GRAY SILT	6	0	0	0	63	37	19	4	19	A-4b
907.9	18	10/10			GRAY SILT	7	0	0	1	80	19	NP	NP	24	A-4b
905.4	20	5/7			GRAY SILT AND CLAY	8	0	0	0	42	58	26	11	23	A-6a
	22														
	24														
900.4	26	11/12			GRAY CLAY	9	0	1	1	41	57	39	22	24	A-6b
	28														
895.4	30	20/18			GRAY SILTY SANDY GRAVEL	10	47	25	11	10	7	NP	NP	10	A-1-b
	32														
	34														
890.4	36	24/32			GRAY SANDY GRAVELLY SILT	11	26	9	13	27	25	19	5	10	A-4a
	38														
885.4	40				NO SAMPLE RECOVERED - COBBLES (DRILLER'S DESCRIPTION)				V		I	S	U	A	L
	42														
	44														
880.4	46	21/53			BROWN GRAVELLY SANDY SILT WITH COBBLES	12	20	14	23	31	12	NP	NP	10	A-4a
	48														
875.4	50														
874.4		22/36			BROWN SILTY GRAVELLY SAND	13	17	19	29	20	15	NP	NP	13	A-4a

BOTTOM OF BORING

LOG OF BORING

Date Started 12-20-71
Date Completed 12-21-71
Boring No. B-1

Sampler Type SS Dia 1 3/8"
Casing Length 15' 3 1/2"
Location 51+38, 24' RT. (REAR ABUTMENT)

Water Elev 939.2'

Elev	Depth	Blow Per Ft.	Rec.	Core Run	Core Rec.
939.2	0				
	2				
936.7	4	4/8			
934.2	6	10/13			
931.7	8				
92[illegible]	10	18/21			
	12	20/22			
924.2	14				
	16	18/22			
	18				
19.2	20	65 (0.6')			
	22				
	24				
14.2	26	40/			
	28				
9.2	30				
	32				
	34		3.9	1.1	
	36				
	38		4.7	0.3	
.2	40				

BROWN SANDY SILT 2.5-3.5'

BROWN SILTY SANDY GRAVEL 5-6

BROWN SANDY GRAVEL 7.5-8.5'

BROWN SILTY SANDY GRAVEL 10-11'

GRAY SANDY SILT 15-16

GRAY GRAVELLY CLAY 20-20.6

TOP OF [illegible] ROCK

GRAY WEATHERED CLAY SHALE 25-25.5'

TOP OF FIRM ROCK

LIMESTONE, GRAY, FIRM, FOSSILIFEROUS WITH GRAY FIRM, CALCAREOUS SHALE, INTERBEDS, (COMPRISING 26% OF THE INTERVAL) BROKEN AND JOINTED. CORE LOSS 14%.

BOTTOM OF BORING

	Sieve Analysis									
	No. 4	No. 10	No. 40	No. 200	0.05 mm	0.02 mm	0.005 mm	L.L.	P.I.	W.C.
1	9	6	17	40	28	26	8	26	A-4a	
2	42	17	21	14	6	NP	NP	14	A-1-b	
3	74	16	5	-	5	NP	NP	12	A-1-a	
4	52	15	11	15	7	NP	NP	8	A-1-b	
5	7	8	12	38	35	19	6	11	A-4a	
6	18	5	4	15	58	35	15	21	A-6a	
7	6	8	11	28	47	26	11	12	[illegible] Visual	

LOG OF BORING

Date Started 12-29-71 | Sampler Type SS | Dia. 1 3/8" | Water Elev. _____

Date Completed 1-3-72 | Casing: Length 30' | Dia. 3 1/2"

Boring No. B-1 | Station & Offset 39+20, 12' LT. (REAR ABUTMENT) | Surface Elev 962.5'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	Physical Characteristics % Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
962.5	0														
	2														
	4														
957.5															
	6	6/10			BROWN GRAVELLY SANDY SILT 5'-6'	1	18	12	20	34	16	NP	NP	12	A-4a
955.0	8														
		5/11			BROWN GRAVELLY SANDY SILT 7'-8'-5"	2	15	10	20	33	22	21	6	13	A-4a
952.5	10														
		8/14			BROWN GRAVELLY SANDY SILT 10'-11'	3	15	10	13	34	23	19	5	13	A-4a
950.0	12														
	14	9/12			BROWNISH-GRAY GRAVELLY SANDY SILT 12'-5"/13'-5"	4	15	12	20	35	18	17	4	13	A-4a
947.5															
	16	8/12			BROWN GRAVELLY SANDY SILT 15'-16'	5	16	11	17	33	23	17	5	11	A-4a
945.0	18														
		8/12			BROWN SANDY SILT 17'-5"-18'-5"	6	9	9	16	35	31	18	5	11	A-4a
942.5	20														
		8/18			GRAY GRAVELLY SANDY SILT 20'-21'	7	26	10	19	26	19	17	4	11	A-4a
	22														
	24														
937.5															
	26	8/12			BROWN GRAVELLY SANDY SILT 25'-26'	8	15	9	16	37	23	18	5	13	A-4a
	28														
932.5	30														
		16/28			GRAY SILTY SANDY GRAVEL 30'-31'	9	39	11	16	27	7	NP	NP	12	A-2-4
	32														
	34				TOP OF ROCK										
927.5															
926.0	36	12/24			GRAY CLAY SHALE 35'-36'	10	9	9	11	39	32	21	7	11	VISUAL
	38		1.4	2.1											
	40														
	42		2.3	2.7	CLAY SHALE, GRAY, MEDIUM-FIRM, CALCAREOUS WITH CLAY SEAMS AND GRAY, FIRM, FOSSILIFEROUS LIMESTONE INTERBEDS (COMPRISING 14% OF THE INTERVAL) BADLY BROKEN AND JOINTED. CORE LOSS 5%.										
	44														
917.5					BOTTOM OF BORING										

LOG OF BORING

Date Started 12-27-71 | Sampler Type SS | Dia 1 3/8"
Date Completed 12-28-71 | Casing Length 30' | Dia 3 1/2"
Boring No. B-2 | Location Offset 41+16, 41' LT. (REAR ABUTMENT) | Water Elev. 954.3'

Elev.	Depth	Str. Per In.	Rec. ft.	Loss ft.	Description	Sample No.									
954.3	0														
954.2					SOD										
951.8	2														
	4	6/12			BROWN SILTY SANDY GRAVEL	1	32	14	19	22	13	NP	NP	11	A-2-4
949.3	6	6/15			BROWN GRAVELLY SILT	2	26	58	11	-	5	-	NP	NP	23 A-1-b
946.8	8	8/11			BROWN-GRAY GRAVELLY SANDY SILT	3	15	10	18	37	20	17	4	12	A-4a
	10	5/8			GRAY GRAVELLY SANDY SILT	4	19	11	16	32	22	19	5	12	A-4a
941.8	12	7/8			GRAY GRAVELLY SANDY SILT	5	19	11	19	32	19	16	4	11	A-4a
939.3	14	7/8			GRAY GRAVELLY SANDY SILT	6	17	11	21	31	20	16	4	9	A-4a
936.8	16	7/10			GRAY GRAVELLY SANDY SILT	7	18	10	15	30	27	20	6	13	A-4a
934.3	18	10/12			GRAY GRAVELLY SANDY SILT	8	22	10	15	33	20	17	4	10	A-4a
	20														
929.3	22														
	24	12/16			GRAY SANDY GRAVELLY SILT	9	30	10	15	27	18	17	5	15	A-4a
924.3	26														
	28	20/24			GRAY GRAVELLY SANDY SILT TOP OF ROCK	10	19	10	15	26	30	21	8	13	A-4a
922.3	30														
	32														
	34		3.9	1.1	CLAY SHALE, GRAY, MEDIUM-FIRM, CALCAREOUS WITH THICK CLAY SEAMS AND GRAY, FIRM, FOSSILIFEROUS LIMESTONE INTERBEDS (COMPRISING 11% OF THE INTERVAL) BROKEN AND JOINTED. CORE LOSS 22%.										
917.3	36														

BOTTOM OF BORING

Date Started 6-9-71
Date Completed 6-11-71
Boring No B-3

LOG OF BORING

Sampler Type SS Dia 1 3/8"
Casing Length 55' Dia 3 1/2"
Station & Offset 847+92, 45' RT. (REAR PIER)

Water Elev 887.4'
Surface Elev 895.4'

Elev	Depth	Std Pen (N)	Rec ft.	Loss ft.	Description
895.4	0				
892.9	2				
	4	8/8			
890.4	6	8/14			
887.9	8				
	10	9/15			
885.4	12	12/14			
882.9	14	11/10			
880.4	16	7/14			
877.9	18	10/12			
875.4	20	4/6			
	22				
870.4	24				
	26	3/4			
	28				
865.4	30	3/4			
	32				
	34				
860.4	36	4/6			
	38				
855.4	40				
	42	30/35			
850.4					
	56				
	58		3.9	1.1	
837.9	60				

BROWN SILTY CLAY

BROWN SILT & CLAY

BROWN SILTY CLAY

BROWNISH-GRAY CLAYEY SILT

GRAY SANDY CLAY

GRAY SILT & CLAY

GRAY SILTY CLAY

GRAY SILT & CLAY

GRAY SILT & CLAY

GRAY SILT & CLAY

GRAY SILT & CLAY

BROWN SILTY SANDY GRAVEL

COBBLES

GRAY SILTY GRAVEL WITH COBBLES

GRAY, VERY DENSE, GLACIAL TILL (SILT, SAND, AND STONE FRAGMENTS).

TOP OF ROCK

LIMESTONE, MEDIUM GRAINED, HARD, WITH GREEN CLAY SEAMS, NO CORE LOSS.

BOTTOM OF BORING

Sample No	Physical Characteristics: % Agg	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
1	0	1	1	41	57	34	16	18	A-6b
2	4	0	2	45	49	32	15	16	A-6a
3	0	0	0	34	66	38	18	20	A-6b
4	7	0	1	31	61	28	10	20	A-4a
5	14	12	15	17	42	26	14	28	A-6a
6	0	1	1	23	75	36	14	23	A-6a
7	0	1	0	26	73	37	16	23	A-6b
8	0	0	0	32	68	34	13	26	A-6a
9	0	0	0	31	69	35	14	28	A-6a
10	0	0	0	32	68	84	13	30	A-6a
11	0	1	1	33	65	36	14	28	A-6a
12	51	24	12	-1	3-	NP	NP	18	A-1a
13	74	4	1	15	6	19	6	10	A-1b

Elev.	Depth	(N)	Description	No	% Agg	% C S	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	Class.
892.7	0		Relo. Yankee St.										
	2												
890.2	4	3/4	GRAY SILTY CLAY 2.5-3.5'	1	5	2	6	52	35	33	16	23	A-6b
887.7	6	5/7	GRAY SANDY CLAY 5 - 6	2	11	7	13	33	36	26	12	26	A-6a
885.2	8	8/14	BROWN CLAYEY SILT 7.5-8.5'	3	16	4	9	32	39	26	10	17	A-4a
882.7	10	8/9	GRAY SILT AND CLAY 10-11'	4	--	--	--	--	--	32	14	25	A-6a
880.2	12	6/11	GRAY SILTY CLAY 12 - 13.5'	5	0	1	1	26	72	41	20	27	A-7-6
877.7	16	11/15	GRAY SILTY CLAY 15-16'	6	0	0	0	35	65	37	19	27	A-6b
875.2	18	3/4	GRAY SILTY CLAY 17.5-18.5'	7	0	0	0	33	67	37	17	28	A-6b
872.7	20	3/4	GRAY SILTY CLAY 21 - 21	8	0	0	0	28	72	37	18	28	A-6b
	22												
	24												
867.7	26	3/5	GRAY CLAY 25.5-26.5'	9	0	0	0	29	71	40	21	31	A-6b
	28												
862.7	30	6/10	GRAY CLAYEY SILT 30-31'	10	4	3	7	51	35	22	9	14	A-4b
	32												
	34												
857.7	36	19/29	GRAY SANDY GRAVELLY SILT 35.5-36.5'	11	39	8	9	21	23	20	8	11	A-4a
	38												
852.7	40	13/20	GRAY GRAVELLY SANDY SILT 40-41'	12	21	9	14	33	23	20	8	11	A-4a
	42												
	44												
847.7	46	17/37	GRAY SILT AND CLAY 45.5-46.5'	13	7	6	5	39	43	28	11	21	A-6a
	48												
842.7	50	24/32	BROWN SANDY GRAVEL 50-51'	14	52	26	13	9		NP	NP	11	A-1-a
	52												
	54												
837.7	56	11/13	GRAY SANDY GRAVELLY SILT 55.5-56.5'	15	24	8	15	29	24	21	9	12	A-4a
	58												
832.7	60	11/13	GRAY SILT & CLAY 60-61'	16	0	1	1	45	53	30	13	23	A-6a
	62												
	64												
827.7	66	10/11	BROWN & GRAY SILT AND CLAY 65.5-66.5'	17	0	1	2	46	51	32	12	26	A-6a
	68												
822.7	70	24/40	BROWN SILT & CLAY 70-71'	18	4	3	8	35	50	34	15	17	A-6a
	72												
	74												
817.7	76	20/26	GRAY SILTY CLAY 75-76'	19	2	3	6	36	53	34	17	17	A-6b
	78												
812.7	80	19/32	GRAY SILT AND CLAY 80-81'	20	5	4	6	33	52	31	13	17	A-6a
	82												
	84												
807.7	86	16/26	GRAY SILT AND CLAY 85.5-86.5'	21	3	4	6	37	50	32	15	18	A-6a
	88												
802.7	90	20/30	GRAY SILT AND CLAY 90-91'	22	0	1	1	49	49	29	13	20	A-6a
	92												
	94												
797.7													
796.7	96	23/33	GRAY SILT AND CLAY 95-96'	23	0	1	1	48	50	30	12	16	A-6a

BOTTOM OF BORING

LOG OF BORING

Date Started 12-21-71 Sampler Type SS Dia 1 3/8"
Date Completed 12-22-71 Casing Length 10' Dia 3 1/2"
Boring No B-4 Location Near 20+38, 30' LT. (REAR PIER) Surface Elev 937.1'

Elev.	Depth	Blows/6"	Rec.	Description	Sample No.	% Gravel	% Sand	% Silt	% Clay	Liquid Limit	Plastic Limit	Water Content	AASHTO Class
937.1	0												
934.6	2												
	4	2/3	2.5'	BROWN SANDY CLAY	1	8	6	15	34	37	39	19	33	A-6b
932.1	6	4/7	5.0'	GRAY GRAVELLY SANDY SILT	2	20	9	13	31	27	20	5	12	A-4a
	8													
927.1	10	16/13	10.0'	NO SAMPLE RECOVERED - COBBLES(DRILLER'S DES.)		V	I	S	U	A	L			
924.6	12													
	14	13/13	2.5'/5"	GRAY GRAVELLY SANDY SILT	3	21	10	14	27	28	23	8	14	A-4a
922.1	16	12/17	5.0'	GRAY SANDY SILT	4	12	11	17	31	29	22	9	12	A-4a
	18													
917.1	20	9/13	2.0'	GRAY SANDY CLAY	5	13	9	14	28	36	28	12	14	A-6a
	22													
	24													
912.1	26	11/18	2.5'	GRAY SILT	6	0	1	4	65	30	27	8	22	A-4b
	28													
907.1		35	30.0-30.2	TOP OF ROCK										
906.8	30	(0.2')		GRAY SANDY GRAVELLY SILT	7	29	8	7	26	30	27	10	15	A-4a
	32		1.7	0.0										
	34			CLAY SHALE, GRAY, MEDIUM-FIRM WITH THICK CLAY SEAMS AND SCATTERED GRAY, HARD, LIMESTONE INTERBEDS (COMPRISING 11% OF THE INTERVAL) BROKEN AND JOINTED. CORE LOSS 4%.										
			1.8	3.2										
900.1	36													

BOTTOM OF BORING

LOG OF BORING

Date Started 12-27-71
Date Completed 12-29-71
Boring No B-5A

Sampler Type SS Dia 1 3/8"
Casing Length 38' Dia 3 1/2"
Station & Offset 42+00, 9' LT. (THIRD PIER)

Water Elev 947.9'
Surface Elev 960.9'

Elev	Depth	Std Pen (N)	Rec ft	Loss ft	Description	Sample No	% Agg	% CS	% FS	% Silt	% Clay	L.L.	P.I.	W.C.	SHRP Class
960.9	0														
	2														
958.4	4	5/6			BROWN SANDY GRAVELLY CLAY 2.5-3.5	1	32	4	12	26	26	36	18	18	A-6b
955.9	6	5/6			BROWN SILTY CLAY 5-6	2	0	1	6	51	42	41	19	25	A-7-6
953.4	8	5/5			BROWN SANDY CLAY 7.5-8.5	3	7	4	20	28	41	37	18	23	A-6b
950.9	10	8/9			BROWN SILTY SANDY GRAVEL 10-11	4	40	10	15	21	14	20	7	20(1)	A-2-4
948.4	12														
	14	5/6			BROWN SILTY SANDY GRAVEL 12.5-13.5	5	37	15	17	24	7	NP	NP	9	A-2-4
945.9	16	19/15			BROWN SILTY SANDY GRAVEL WITH COBBLES 15-16	6	64	13	9	14	-	NP	NP	10	A-1-a
943.4	18				NO SAMPLE RECOVERED (HOLE CAVED IN) 17.5-18.5										
940.9	20	14/17			GRAY GRAVELLY SANDY SILT 20-21	7	23	10	17	32	18	18	5	9	A-4a
	22														
	24														
935.9	26	4/7			GRAY GRAVELLY SANDY SILT 25-26	8	17	9	16	35	23	18	5	13	A-4a
	28														
930.9	30	8/8			GRAY SANDY SILT 30-31	9	14	10	6	45	25	20	7	19(1)	A-4a
	32														
	34														
925.9	36	12/24			GRAY SANDY GRAVEL WITH COBBLES 35-36	10	74	13	5	8	-	NP	NP	7	A-1-a
922.9	38				TOP OF ROCK										
	40		1.5	0.5											
	42				CLAY SHALE, GRAY, MEDIUM-FIRM, CALCAREOUS WITH THICK CLAY SEAMS AND GRAY, FIRM, FOSSILIFEROUS LIMESTONE INTERBEDS (COMPRISING 38% OF THE INTERVAL) BROKEN AND JOINTED. *CORE LOSS 18%.										
	44		5.9	1.1											
913.9	46				BOTTOM OF BORING										

*HIGH CORE LOSS DUE TO MECHANICAL DIFFICULTIES ENCOUNTERED DURING DRILLING OPERATIONS.

LOG OF BORING

Date Started 11-30-71 | Sampler Type SS | Dia 1 3/8" | Water Elev 0080 Layers (2)

Date Completed 12-1-71 | Casing Length | Dia

Boring No B-6 | Station & Offset 21+83, CL. (FORWARD ABUTMENT) | Surface Elev 921.2'

Elev	Depth	Std Pen (N)	Rec ft	Loss ft	Description	Sample No	Physical Characteristics: % Agg	% C S	% F S	% Silt	% Clay	L L	P I	W C	SHTL Class.
921.2	0														
	2														
918.7	4	7/10			BROWN SANDY SILT 2.5 - 3.5'	1	4	6	19	45	26	21	5	25	A-4a
916.2	6	7/12			GRAY SILT 5 - 6	2	0	1	2	54	43	24	6	17	A-4b
913.7	8	6/10			BROWN SANDY SILT 7.5 - 8.5'	3	0	1	25	62	12	NP	NP	23	A-4b
911.2	10	8/5			GRAY SILT 10 - 11	4	0	0	3	84	13	NP	NP	21	A-4b
908.7	12	4/7			GRAY SILT 12.5 - 13.5'	5	0	0	7	84	9	NP	NP	24	A-4b
906.2	14	12/12			GRAY SILT 15 - 16	6	0	0	18	74	8	NP	NP	23	A-4b
903.7	16	10/11			GRAY SILT 17.5 - 18.5'	7	0	0	2	88	10	NP	NP	23	A-4b
901.2	18	4/5			GRAY SILT 20 - 21	8	0	0	0	56	44	23	6	19	A-4b
	20														
	22														
896.2	24														
	26	9/11			GRAY CLAYEY SILT 25 - 26	9	0	1	1	50	48	28	8	31	A-4b
	28														
891.2	30	8/15			GRAY SANDY GRAVELLY SILT 30 - 31	10	24	8	11	27	30	24	7	15	A-4a
	32														
886.2	34														
	36	15/32			GRAY SANDY GRAVELLY SILT 35 - 36	11	26	8	12	27	27	23	7	12	A-4a
	38														
881.2	40	10/16			GRAY SANDY SILT 40 - 41	12	14	11	14	29	32	23	7	12	A-4a
	42														
876.2	44														
	46	16/28			GRAY SANDY SILT 45 - 46	13	3	1	37	54	5	NP	NP	21	A-4b
	48														
871.2	50				BOTTOM OF BORING										

LOG OF BORING

Date Started 11-30-71 | Sampler Type SS | Dia 1 3/8" | Water Elev. 932.6'
Date Completed 12-2-71 | Casing: Length 24' | Dia 3 1/2" | Surface Elev 940.6'
Boring No. B-7 | Station & Offset 55+92, 78' LT. (FORWARD ABUTMENT)

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No	Physical Characteristics: % Agg	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
940.6	0														
	2														
	4														
935.6	6	6/11			GRAY SANDY SILT 5' - 6'	1	4	12	33	31	14	NP	NP	16	A-4a
933.1	8	6/22			GRAY GRAVELLY SANDY SILT WITH COBBLES 7' - 8'	2	28	9	23	23	17	14	1	14	A-4a
930.6	10	16/24			GRAY SILTY SANDY GRAVEL 10' - 11'	3	37	11	18	19	15	16	2	10	A-2-4
928.1	12	21/29			GRAY GRAVELLY SAND 12.5' - 13.5'	4	-	-	-	-	-	-	-	15	VISUAL
925.6	14	50/			GRAY SILTY SANDY GRAVEL 15' - 15.5'	5	36	13	14	22	15	16	4	10	A-4a
923.1	16	28/36			GRAY SANDY GRAVELLY SILT 17' - 18'	6	32	9	12	24	23	20	6	11	A-4a
920.6	18	24/32			GRAY SILT 20' - 21'	7	0	1	10	73	16	NP	NP	19	A-4b
918.1	20	11/32			BROWN SANDY SILT 22.5' - 23.5'	8	10	5	20	34	31	26	9	15	A-4a
916.6	22				TOP OF ROCK										
	24														
	26														
	28														
	30		7.8	1.2	LIMESTONE, FIRM, GRAY, THIN-TO MEDIUM-BEDDED WITH THICK CLAY SEAMS. CORE LOSS 13%.										
	32														
907.6					BOTTOM OF BORING										

LOG OF BORING

Date Started 3-11-71 | Sampler Type SS | Dia 1 3/8" | Water Elev ____

Date Completed 3-16-71 | Casing Length 50' | Dia 3 1/2" | Surface Elev 903.0'

Boring No B-8 | Station & Offset 20+86, 25' RT. (FORWARD PIER)

Elev.	Depth	Std. Pen. (N)	Rec ft.	Loss ft.	Description	Sample No.	Physical Characteristics: % Agg	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTD Class.
903.0	0				Mc Ewen Rd.										
	2														
	4														
898.0	6	7/9			BROWN & GRAY SILT & CLAY 5-6	1	6	4	9	33	48	31	15	17	A-6a
	8														
893.0	10	11/14			BROWN SILT & CLAY 10-11	2	6	4	10	39	41	26	11	17	A-6a
	12														
	14														
888.0	16	8/13			GRAY SILTY CLAY 15-16	3	0	1	2	31	66	38	19	21	A-6b
885.5	18	12/18			GRAY SILTY CLAY 17.5-18.5	4	0	1	0	33	66	38	18	23	A-6b
883.0	20	8/12			GRAY SILTY CLAY 20-21	5	0	1	0	27	72	41	20	26	A-7-6
880.5	22	7/12			GRAY SILTY CLAY 22.5-23.5'	6	0	0	0	26	74	44	20	25	A-7-6
878.0	24	7/9			GRAY GRAVELLY SANDY SILT 25-26	7	22	9	16	32	21	19	1	12	A-4a
875.5	26	13/14			GRAY SANDY GRAVELLY SILT 27.5-28.5'	8	27	10	15	29	19	18	5	6	A-4a
873.0	28	13/16			GRAY GRAVELLY SANDY SILT 30-31	9	19	10	17	30	24	20	8	10	A-4a
870.5	30	21/29			GRAY SANDY GRAVELLY SILT 32.5-33.5'	10	26	8	14	29	23	20	7	10	A-4a
868.0	32	20/33			GRAY SANDY SILT 35-36	11	12	9	16	36	27	20	4	11	A-4a
	34														
	36														
	38														
[illegible]	40	18/14			[illegible] SILTY SAND 40-41	12	0	0	79	15	6	NP	NP	88	A-3a
	42														
	44														
858.0	46	22/37			BROWN SILTY SAND WITH COBBLES 45-46	13	6	12	55	18	9	NP	NP	19	A-3a
857.0	48														
	50				LIMESTONE BOULDERS										
	52														
	54		1.6	3.4											
848.0					BOTTOM OF BORING										

LOG OF BORING

Date Started 3-31-71 | Sampler Type SS | Dia. 1 3/8" | Water Elev. ____
Date Completed 4-5-71 | Casing: Length 60' | Dia. 3 1/2" | Surface Elev 893.2'
Boring No. B-8 | Station & Offset 50+89, 35' RT. (FORWARD PIER)

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	Physical Characteristics: % Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
893.2	0				Relo. Yankee St										
890.7	2														
	4	2/3			BROWN SILTY CLAY 2.5-3.5'	1	10	2	7	40	41	37	19	26	A-6b
888.2	6	4/7			GRAY SILTY CLAY 5-6	2	0	1	3	35	61	37	18	27	A-6b
885.7	8	3/3			BROWN & GRAY SILT 7.5-8.5'	3	0	1	13	50	36	18	3	28	A-4b
883.2	10	6/10			GRAY SILT 10-11	4	0	2	15	69	14	NP	NP	20	A-4b
880.7	12	12/7			GRAY SILT 12.5-13.5'	5	0	0	12	57	31	NP	NP	23	A-4b
878.2	14	9/11			GRAY SILTY CLAY 15-16	6	0	0	0	34	66	35	16	21	A-6b
875.7	16	10/13			GRAY SILTY CLAY 17.5-18.5	7	0	0	0	23	77	45	20	25	A-7-6
873.2	18	7/9			GRAY SILTY CLAY 20-21	8	0	0	0	25	75	39	16	26	A-6b
	20														
	22														
868.2	24	5/5			GRAY SILT & CLAY 25-26	9	0	0	0	59	41	37	15	28	A-6b
	26														
863.2	28	4/6			GRAY SILTY CLAY 30-31	10	0	0	0	31	69	35	16	27	A-6b
	30														
858.2	32	4/5			GRAY SILTY CLAY 35-36	11	0	0	0	26	74	39	19	29	A-6b
	34														
853.2	36	4/4			GRAY SILT & CLAY 40-41	12	0	0	0	31	69	33	14	28	A-6a
	38														
848.2	40	5/6			GRAY SILTY CLAY 45-46	13	0	0	0	28	72	37	17	28	A-6b
	42														
843.2	44	5/6			GRAY SILTY CLAY 50-51	14	0	0	0	32	68	37	18	29	A-6b
	46														
838.2	48	15/17			GRAY SILTY SANDY GRAVEL W/COBBLES 55-56	15	46	6	10	20	18	21	8	12	A-4a
	50														
833.2	52	25/40			GRAY SANDY GRAVELLY SILT 60-61	16	35	8	11	24	22	21	8	11	A-4a
	54														
828.2	56	23/30			GRAY CLAY 65-66	17	0	1	0	25	74	41	21	21	A-7-6
	58														
823.2	60	17/23			GRAY SILTY CLAY 70-71	18	0	1	1	22	76	41	20	22	A-7-6
822.2	62				BOTTOM OF BORING										

LOG OF BORING

Date Started 11-17-71 | Sampler Type SS | Dia 1 3/8" | Water Elev
Date Completed 11-17-71 | Casing Length 20' | Dia 3 1/2"
Boring No B-8 | Station & Offset 12+38, 16' RT. (FORWARD ABUTMENT) | Surface Elev 888.3'

Elev.	Depth	Sta. Per 1 ft	Rec. ft	Loss ft	Description	Sample No	% Agg.	% C S	% F S	% Silt	% Clay	L L	P I	W C	AASHTO Class.
888.3	0				pic fwd Abt										
885.8	2														
	4	4/1			BROWN SANDY SILT	1	3	10	26	34	27	NP	NP	22	A-4a
883.3															
	6	4/3			GRAY SANDY SILT, TRACE OF ORGANIC	2	10	12	26	28	24	27	9	42	A-4a
881.3															
	8	3/4			GRAY SILT	3	6	4	19	47	24	17	4	15	A-4a
878.3	10	5/6			BROWN SANDY SILT	4	0	1	51	33	15	NP	NP	25	A-4a
	12														
	14														
873.3															
	16	8/11			BROWN SILTY SAND	5	0	1	69	18	12	NP	NP	23	A-3a
	18														
868.3	20														
		14/24			BROWN SILT AND CLAY	6	8	6	10	30	46	31	13	20	A-4a
866.3	22														
					TOP OF ROCK										
	24		2.2	0.8											
	26														
	28		4.6	0.4	CLAY SHALE, BLUE-GRAY AND GRAY, FIRM, CALCAREOUS WITH GRAY, DENSE, HARD, CRYSTALLINE, FOSSILIFEROUS LIMESTONE INTERBEDS (COMPRISING 47% OF THE INTERVAL) BROKEN AND JOINTED. CORE LOSS 14%.										
	30														
	32		4.4	0.6											
853.3	34				BOTTOM OF BORING										

LOG OF BORING

Date Started 11-19-71 | Sampler Type SS | Dia 1 3/8" | Water Elev ____
Date Completed 11-23-71 | Casing Length 10' | Dia 3 1/2" | Surface Elev 895.4'
Boring No. B-8 | Station & Offset 856+70, 34' LT. (FORWARD ABUTMENT)

Elev.	Depth	Std. Pen. (N)	Rec ft.	Loss ft.	Description	Sample No	Physical Characteristics: % Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
895.4	0				SL 725										
892.9	2														
	4	1/2			BROWN SILTY CLAY 2.5'-3.5'	1	-	-	-	-	-	38	20	7	A-6b
890.4	6	5/5			BROWN CLAY 5'-6'	2	0	1	8	36	55	43	24	29	A-7-6
887.9	8	6/5			BROWN SILT AND CLAY 7.5'-8.5'	3	0	5	17	26	52	28	13	26	(1) A-6a
885.4	10	8/9			BROWN SILT AND CLAY 10'-11'	4	12	1	5	34	48	28	11	15	A-6a
882.9	12														
	14	6/7			BROWN CLAYEY SILT 12.5'-13.5'	5	9	7	12	36	36	24	8	16	A-4a
880.4	16	9/13			BROWN CLAYEY SILT 15'-16'	6	5	6	10	40	39	24	8	15	A-4a
877.9	18	8/15			GRAY CLAYEY SILT 17.5'-18.5'	7	10	3	7	43	37	24	8	14	A-4a
875.4	20	8/17			GRAY SANDY GRAVELLY SILT 20-21	8	22	8	11	31	28	22	8	13	A-4a
872.9	22	9/11			GRAY GRAVELLY SANDY SILT 22.5'-23.5'	9	16	7	10	27	40	26	9	24	(1) A-4a
870.4	24	7/10			GRAY SILT AND CLAY 25'-26'	10	10	3	2	18	67	36	14	26	A-6a
	26														
865.4	28	4/5			GRAY SANDY SILT 30-31	111	7	10	23	34	26	16	3	12	A-4a
	30														
860.4	32	15/25			GRAY CLAYEY SILT 35'-36'	12	10	7	11	24	48	27	10	13	A-4a
	34														
855.4	36				[illegible] 40-41'	29	19	7	35	23	36	26	8	25	A-4a
851.9	38				TOP OF ROCK										
	40		1.1	0.4	CLAY SHALE, BLUE-GRAY AND GRAY, FIRM, CALCAREOUS WITH GRAY, HARD, DENSE, CRYSTALLINE, FOSSILIFEROUS LIMESTONE INTERBEDS (COMPRISING 41% OF THE INTERVAL) BROKEN AND JOINTED. CORE LOSS 1%.										
	42														
	44														
	46		4.7	0.3											
845.4	48														
	50				BOTTOM OF BORING										

LOG OF BORING

Date Started 6-7-71 | Sampler Type SS | Dia 1 3/8" | Winter Elev 885.9'
Date Completed 6-9-71 | Casing Length 47' | Dia 3 1/2"
Boring No B-8 | Station & Offset 851+03, 25' LT. (FORWARD PIER) | Surface Elev 896.9'

Elev	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	Physical Characteristics: % Agg.	% C S	% F S	% Silt	% Clay	L L	P I	W C	SHTL Class.
896.9	0				SK725										
894.4	2	8/9			BROWNISH-GRAY SANDY GRAVELLY CLAY 2.5 - 4	1	25	8	8	30	29	35	16	20	A-6b
891.9	4	3/3			GRAY CLAY 5 - 6	2	7	4	3	38	48	41	21	32	A-7-6
889.4	6	3/4			GRAY CLAY 7 - 8	3	2	0	2	59	37	40	22	23	A-6b
886.9	8	6/7			GRAY SANDY SILT 10 - 11	4	9	5	17	35	34	19	6	29	A-4a
884.4	10	10/6			GRAY SILTY SAND 12.5 - 13.5	5	7	21	35	11	26	15	5	25	A-4a
881.9	12	9/10			GRAY SILTY CLAY 15 - 16	6	0	1	1	28	70	35	16	24	A-6b
879.4	14	7/11			GRAY SILTY CLAY 17 - 18	7	4	1	1	26	68	36	16	24	A-6b
876.9	16	4/7			GRAY SILTY CLAY 20 - 21	8	0	1	2	25	72	39	19	26	A-6b
871.9	18 20 22 24 26	6/12			GRAY SILT AND CLAY 25 - 26	9	0	1	1	25	73	34	14	25	A-6a
866.9	28 30 32	5/9			GRAY SILT AND CLAY 30 - 31	10	0	1	1	37	61	31	14	21	A-6a
861.9	34 36 38	5/7			BROWNISH-GRAY SILT 35 - 36	11	0	2	6	70	22	19	2	20	A-4b
856.9	40 42 44	19/11			GRAY SANDY GRAVELLY SILT 40 - 41	12	31	9	16	30	14	16	2	13	A-4a
851.9	46 48	10/25			GRAY SILTY SANDY GRAVEL 45 - 46	13	51	22	7	10	10	19	6	9	A-1-b
849.9	50		1.7	1.3	TOP OF ROCK										
	52 54 56		4.3	0.7	LIMESTONE, HARD, GRAY, DENSE, THIN-BEDDED WITH CLAY LAYERS MAKING UP APPROXIMATELY 50% OF TOTAL INTERVAL. CORE LOSS 15%.										
836.9	58 60		5.0	0.0	BOTTOM OF BORING										

Date Started 12-28-71 Sample Type SS Dia 1 3/8"
Date Completed 12-29-71 15' 3 1/2"
B-8
52+63, 30' LT. (FORWARD ABUTMENT)
Surface Elev 935.3'

Elev	Depth	Blows/6"	Description	Sample No.	Sand	Silt	Clay	LL	PI	W.C.	Class
935.3	0										
932.8	2										
	4	10/12	BROWN SILTY GRAVELLY SAND	1	34	28	21	12	5	NP	NP	14	A-1-b
930.3	6	19/15	BROWN SILTY SANDY GRAVEL	2	43	28	20	- 9	-	NP	NP	15	A-1-b
	8												
925.3	10	9/30	GRAY SANDY GRAVELLY SILT	3	24	8	12	31	25	19	6	11	A-4a
	12												
920.3	14												
	16	13/15	GRAY SILTY SANDY GRAVEL	4	48	6	9	16	21	22	8	11	A-4a
	18												
915.3	20												
	22	13/18	GRAY SANDY GRAVELLY SILT	5	40	8	12	20	20	23	8	13	A-4a
	24												
910.3	26	7/8	GRAY SANDY GRAVELLY SILT	6	42	9	6	25	18	25	7	30	A-4a
	28												
905.3	30		TOP OF ROCK										
	32												
	34	2.1	2.9 CLAY SHALE, GRAY, MEDIUM-FIRM, CALCAREOUS WITH THICK CLAY SEAMS AND GRAY, FIRM, FOSSILIFEROUS LIMESTONE INTERBEDS (COMPRISING 33% OF THE INTERVAL) BROKEN AND JOINTED. CORE LOSS 59%.										
900.3			BOTTOM OF BORING										

LOG OF BORING

Date Started 12-21-71
Date Completed 12-22-71
Boring No B-8

Sampler Type SS Dia. 1 3/8"
Casing Length 15' Dia. 3 1/2"
Location 53+85, 4' LT. (FORWARD ABUTMENT)

Water Elev. 8.0 Ft
Surface Elev. 937.4'

Elev.	Depth	Blows/ft	Rec. %	RQD %	Description	Sample No	W%	Gravel %	Sand %	Silt %	Clay %	L.L.	P.I.	% < #200	SHTO Class.
937.4	0														
934.9	2	10/12			BROWN SILTY GRAVELLY SAND 2.5-3.5	1	24	26	29	13	8	NP	NP	16	A-1-b
932.4	4				BROWN SILTY SANDY GRAVEL 5-6	2	44	23	19	10	4	NP	NP	12	A-1-b
	6	22/28													
	8														
927.4	10	6/24			GRAY GRAVELLY SANDY SILT 10-11	3	22	10	15	28	25	21	6	12	A-4a
	12														
922.4	14				GRAY SANDY GRAVELLY SILT 15-16	4	26	8	14	28	24	22	9	11	A-4a
	16	20/30													
	18														
917.4	20	15/20			BROWN SANDY CLAY 20-21	5	11	9	8	41	31	49	24	21	A-7-6
	22														
912.4	24				TOP OF ROCK										
912.2	26		3.8	1.2	LIMESTONE, GRAY, FIRM, FOSSILIFEROUS, WITH GRAY, FIRM, CALCAREOUS SHALE INTERBEDS, (COMPRISING 30% OF THE INTERVAL) BROKEN AND JOINTED. CORE LOSS 12%.										
	28														
	30														
	32		5.0	0.0											
902.4	34				BOTTOM OF BORING										

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LOG OF BORING

Date Started 12-29-71
Date Completed 12-29-71
Boring No B-9

Sampler Type SS Dia 1 3/8"
Casing Length 35' Dia 3 1/2"
Station & Offset 45+06, 06' RT. (FORWARD ABUTMENT) (B)

Water Elev ———
Surface Elev 951.8'

0000 Rap S

Elev	Depth	Std Pen (in)	Rec. ft.	Loss ft.	Description	Sample No	Physical Characteristics % Agg	% C S	% F S	% Silt	% Clay	L L	P I	W C	SHTL Class.
951.8	0														
949.3	2														
	4	3/4	2'-3.5'		BROWN GRAVELLY SANDY SILT	1	16	11	20	38	15	19	5	14	A-4a
946.8	6	3/3	5'-6'		BROWN SANDY GRAVELLY SILT	2	29	20	14	28	9	17	4	15	A-4a
944.3	8	2/5	7.5'-8.5'		BROWN SILTY SANDY GRAVEL	3	36	9	17	28	10	18	4	15	A-4a
941.8	10	7/8	10'-11'		BROWN SILTY SANDY GRAVEL WITH COBBLES	4	57	15	12	14	2	NP	NP	10	A-1-a
939.3	12				NO SAMPLE RECOVERED - (HOLE CAVED IN)										
936.8	14														
	16	4/6	15'-16'		GRAY GRAVELLY SANDY SILT	5	17	10	18	39	16	17	5	10	A-4a
934.3	18	2/2	17.5'-18.5'		GRAY GRAVELLY SANDY SILT	6	20	9	17	37	17	16	5	14	A-4a
931.8	20	12/10	20-21		GRAY SILTY SAND	7	10	13	39	29	9	NP	NP	22	A-4a
	22														
	24														
926.8	26	10/10	25'-26'		BROWN SILTY GRAVELLY SAND	8	34	23	16	19	8	15	3	12	A-2-4
923.3	28				TOP OF ROCK										
	30		1.0	0.5											
	32		2.1	2.9	CLAY SHALE, GRAY, MEDIUM-FIRM, CALCAREOUS WITH THICK CLAY SEAMS AND GRAY, FIRM, FOSSILIFEROUS LIMESTONE INTERBEDS (COMPRISING 21% OF THE INTERVAL) VERY BADLY BROKEN AND JOINTED. Core Rec 37%										
916.8	34				BOTTOM OF BORING										

LOG OF BORING

Date Started 12-29-71 Sampler Type SS Dia 1 3/8"
Date Completed 1-3-72 Casing Length 25' Dia 3 1/2"
B-10 Location 43+92, 25' RT. (FIFTH PIER)

G

Water Elev ____ 8001 Rap U

Surface Elev 950.5'

Elev.	Depth	Blows/ft. N	Rec. ft	Core Rec. %	Description	Sample No	Grain Characteristics % Gravel	% Sand	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
950.5	0													
	2													
948.0	4	5/5			BROWN GRAVELLY SANDY CLAY 2.5-3.5'	1	21	7	18	27	27	29	13	27	A-6a
945.5	6	6/6			BROWN GRAVELLY SANDY SILT 5'-6'	2	17	13	21	33	16	17	6	12	A-4a
943.0	8	5/6			BROWN SILTY GRAVELLY SAND 7.5-8.5'	3	33	25	18	19	5	NP	NP	16	A-1-b
940.5	10	5/6			BROWN SANDY GRAVEL 10'-11'	4	61	27	7	5	-	NP	NP	10	A-1-a
938.0	12													
	14	4/6			Boulders (DD) 12.5-13.5'										
935.5	16	13/19			GRAY SANDY GRAVEL 15'-16'	5	55	24	15	6	-	NP	NP	12	A-1-a
933.0	18	8/13			GRAY SANDY GRAVELLY SILT 17.5'-18.5'	6	27	10	16	30	17	18	6	10	A-4a
930.5	20	7/9			GRAY SILT 20'-21'	7	0	1	3	82	14	NP	NP	20	A-4b
	22														
	24														
925.5	26	15/25			GRAY SANDY GRAVELLY SILT 25'-26'	8	28	8	9	28	27	21	7	14	A-4a
	28														
920.5	30				TOP OF ROCK										
	32														
	34		1.2	3.8	CLAY SHALE, GRAY, MEDIUM-FIRM, CALCAREOUS WITH THICK CLAY SEAMS AND GRAY, FIRM, FOSSILIFEROUS LIMESTONE INTERBEDS (COMPRISING 21% OF THE INTERVAL) VERY BADLY BROKEN AND JOINTED. CORE LOSS 61%.										
	36														
	38		2.5	2.5											
910.5	40				BOTTOM OF BORING										

Ohio Department of Highways
Testing Laboratory

FOUNDATION EXPLORATION SECTION
SOIL PROFILE INVESTIGATION RECONNAISSANCE REPORT

PROJECT IDENTIFICATION

MOT 675-0.00 Suppl.

Co., Rt., Sec. No.

Project Code 0035

Reconn. By J. S. Maxey

Dates: 2-22-24, '72

Job No. 08717

Sheet 1 of 3

Instructions to Reconnaissance Personnel

The Reconnaissance Report for this Soil Profile Investigation shall contain the items listed below:

1. Description of the Project.
2. Geology of area traversed by Project.
3. Description of Topography of Project.
4. General estimate of subsurface conditions.
5. Specific information relative to critical soil conditions.
6. Schedule of Auger Borings
7. Schedule of Core Borings
8. Instructions to Crew Chief
    a. Special Equipment Required
    b. Safety Considerations
    c. Special Instructions

Form TE-167

Form TE-168

Ohio Department of Highways
Testing Laboratory

FOUNDATION EXPLORATION SECTION
SOIL PROFILE INVESTIGATION RECONNAISSANCE REPORT

Recon. By L.S. Maxey

Dates: 2-22-24-'72

PROJECT IDENTIFICATION
MOT 675-0.00 Suppl.
Co., Rt., Sec. No.

Sheet 2 of 3

It is proposed to widen a .62 mile section of existing 40 foot wide S.R. 725 to 60 feet and provide structures to carry it over proposed I.R. 675 and Holes Creek as a part of the proposed interchange with I.R. 675 centering near Yankee road 1½ miles west of Centerville. Included in the project is an interchange connecting proposed I.R. 675 with existing I.R. 75 approximately ¾ south of existing S.R. 725. Also in the project is a relocation of Yankee St., McEwen Rd. and Lyons Road with a .37 mile extension of Lyons Road from Washington Church Road to Yankee Street. Total roadway is 6.11 miles and is proposed as a supplement to project MOT 675-0.00. (see report on the latter.)

Alignment lies on and between remnants of the Camden moraine on the glaciated Mississippi Valley plain. The advance of both the Illinoian and Wisconsin covered the area leaving a variable thickness of glacial drift, varying from around 50 feet in the Lyons road area to 20 feet at S.R. 741

Form TE-168

Ohio Department of Highways
Testing Laboratory

FOUNDATION EXPLORATION SECTION
SOIL PROFILE INVESTIGATION RECONNAISSANCE REPORT

Recomm. By J.S. Maxey

Dates: 2-22-24-'72

PROJECT IDENTIFICATION

MOT 675- 0.00 Supp1.

Co., Rt., Sec. No.

Sheet 3 of 3

Bedrock is thin bedded limestone alternating with approximately the same thickness of layers of soft calcareous clay and clay shale all belonging to the Richmond formation of the Ordovician System.

(1) Need cat on 2 holes in woods

(2) Need staking on portions of I.R. 75 interchange and remainder of project

Ohio Department of Highways
Testing Laboratory

FOUNDATION EXPLORATION SECTION
SCHEDULE OF TEST BORINGS

PROJECT IDENTIFICATION: MOT 675-0.00 Suppl.
Co., Rt., Sec. No.

Project Code: 0035

Reconn. By: J. S. Maxey

Dates: 2-22-24-'72

Job No. 08717

Sheet 1 of 17

ORDER CODE	Boring No.	Station	Offset	TA	HA	PS	DEPTH	REMARKS
	1	5+00,	℄				10	~~Rf 3.5 HA~~ Ramp S, 2101-40100
	2	10+00,	℄				12	Rf 4' HA
	3	14+00,	50 L				25	Rf 20.5
	4	18+00,	℄				16	
	5	22+00,	℄				15	
	6	27+00,	20 L				20	
	7	32+00,	℄				10	Rf 3' HA Cobbles
	8	36+00,	℄				15	Rf 4.5' Cobbles HA
	9	22+00,	℄				12	Ramp V "Rf 3' ~~HA~~ Cobbles 7+14-70+29
	10	24+00,	℄				12	Rf 3' HA
	11	30+00,	℄				20	Rf 4' HA Cobbles 16 woods - Need "cat"
	12	35+50,	℄				20	Rf 4' HA Cobbles
	13	39+00,	℄				20	Rf 6' HA Cobbles
	14	42+50,	℄				15	Rf 9' Boulders
	15	45+50,	℄				15	Rf 7' Boulders
	16	48+50,	℄				30	Rf 12' Boulders Rec Ramp U for Sta. 48+50-70
	17	28+00,	℄				18	Rf 5' Cobbles HA Ramp 23+40-70+29
	18	30+50,	℄				10	Rf 3.5'
	19	36+00,	℄				30	Rf 22' Boulders
	20	50+00,						Rf 16' Boulders

*TA = Truck Mounted Auger HA = Hand Auger PS = Peat Sampler

Note to Driller: PROJECT CODE to be put on MASTER CARDS, SAMPLE CARDS, & FIELD LOGS
ORDER CODE to be put on SAMPLE CARDS and FIELD LOGS.

FOUNDATION EXPLORATION SECTION

SCHEDULE OF TEST BORINGS (CONTINUED)

Project Code	0035

PROJECT IDENTIFICATION: MOT 675-0.00 Suppl.

Co., Rt., Sec. No.

Sheet 4 of 3

ORDER CODE	Boring No.	Station	Offset	TA	HA	PS	DEPTH	REMARKS
								Rf 18' Backhoe
04	21	55+00,	50 R	-			30	Ramp U continued
	22	60+00,	35 R				18	
	23	65+00,	30 R				10	Rf 3' HA
05	24	46+00,	℄				10	Ramp "Y" 40+99-57+00
	25	53+00,	℄				20'	or 10' of good material
06	26	14+00,	10 R				10	Lyons Rd. 10+00-31+50
	27	25+00,	℄				10	
	28	29+00,	5 R				10	
07	29	7+00,	℄				10	Lyons Rd. Extension
	30	11+00,	℄				12	sta. 5+00 - 25+40
	31	15+00,	℄				15	
	32	18+00,	℄				12	
	33	21+50,	℄				20	Rf 5.5' HA
	34	24+50,	℄				10	Rf 4' HA
08	35	839+50,	10 L				12	S.R. 725, 837 - 870
	36	843+00,	20 L				10	(See boring on Yankee St)
	37	866+00,	20 L				12	
	38	869+50,	20 L				12	
09	39	123+00,	℄				10	Rf 4' HA Ramp N" 114+50 -126+18
10	40	5+50,	℄				30	Frontage Road 5+00-20+36
	41	8+50,	℄				20	or 10' of good material
	42	14+00,	℄				15	Rf 6' HA
	43	17+00,	℄				15	Rf 5.5' HA
11	44	119+50,	10 L				10	Ramp "L" 118+00 - 133+14
	45	125+20,	℄				10	
	46	129+40,	20 R				20	or Rf 15' of good material
12	47	124+00,	℄				15	Ramp "M"

FOUNDATION EXPLORATION SECTION

SCHEDULE OF TEST BORINGS (CONTINUED)

Project Code 0035

PROJECT IDENTIFICATION: MOT 675-0.00 Suppl.

Co., Rt., Sec. No.

Sheet 3 of 3

ORDER CODE	Boring No.	Station	Offset	TYPE TA	TYPE HA	TYPE PS	DEPTH	REMARKS
1 3	48	26+00,	10 L				11	Rf 3.5' Reloc. Yankee St. 24+50-61+78
	49	30+00,	℄				10	Rf 3.5' HA
	50	32+50,	℄				10	Rf 4' HA
	51	36+00,	℄				15	
	52	40+00,	℄				10	
	53	44+00,	℄				15	
	54	46+50,	℄				30	
	55	52+50,	℄				30	Rf 22'
	56	56+00,	45 R				10	Rf 3.5' HA Near old slab foundation
1 4	57	142+50,	℄				25	Ramp "J" 140+63-156+05
	58	146+75,	℄				10	Rf 5' HA
1 5	59	143+75,	℄				15	Rf 3' HA Ramp "K" 140+13-154+00
1 6	60	9+00,	3 R	water overhead			10	McEwen Rd. 6+25-26+00
	61	15+00,	20 R				15	water line here?
	62	16+00,	8 R				15	sewer on left
	63	25+00,	℄				10	

Calvin

June 29, 1972

A. M. Kinney, Inc.
2912 Vernon Place
Cincinnati, Ohio 45219

Attention: Mr. J. C. Overman

Re: MOT-675-0.00

Gentlemen:

Reference is made to the June, 1971 and June, 1972 soil profile transmittals for the subject project.

Pavement recommendations were made in our February 17, 1970, letter.

Deep 605 pipe underdrains located at the outer edge of the paved shoulders as on section 3.72, should be provided in soil cuts for subgrade drainage.

Where abandoned stream channels, ponds, and low wet areas or areas of standing water, that cannot be drained are encountered under any proposed fill, end dumped granular material should be provided up to 2' above water level. Granular material used should be modified so that at least 75% by weight of the grains or particles are retained on a No. 200 sieve.

The rate of fill construction should be restricted by plan note in areas listed below, as follows:

HEIGHT OF FILL MEASURED FROM LOWEST POINT ON CROSS-SECTION	MAXIMUM RATE OF EMB CONSTRUCTION
0' - 18'	6' per week
18' - 30'	4' per week
above 30'	3' per week

Ramp "S", Stations 39 to 45+75
WB IR 675, Stations 45+75 to 56
Ramp "U", Station 37 to SR 741

Loading restrictions and possibly additional measures will be required for Lyons Road, S.R. 725, and Relocated Yankee Street. We have asked our Laboratory to analyze the stability of these embankments. Recommendations will follow after completion of their study.

If you have any questions about these comments, please contact this office.

Very truly yours,

E. J. Schaefer
Engineer
Location & Design

By: _____
H. E. Marshall
Engineer
Pavement & Soils

EJS:HEM:mwg
(DEM)

cc: Mr. Leathers/FHWA
Mr. Rennick
Mr. Oswald/Div. #8
Mr. Bashore/Construction
Mr. Calvin/Test Lab
Reading File
File

Form AU 76

STATE OF OHIO
DEPARTMENT OF HIGHWAYS

INTER-OFFICE COMMUNICATION

County of Montgomery Div. 8
IR
S. H. 675 Sec. 0.00 (Suppl.)

Date June 21, 1972

To E. J. Schaefer, Engineer of Location & Design Attention: H. E. Marshall

From F. M. Williams

Subject Report of Soil Profile Investigation
MOT-675-0.00 (Supple.)
I-675-

File: 203-1.1
Montgomery

Supplementing our June 18, 1971 transmittal, transmitted herewith is a copy of the soil profiles of the IR 75 IR 675 Interchange Ramps, Lyons Road, Lyons Road Extension, SR 725, SR 725 Interchange Ramps, Frontage Road, Relocated Yankee Street, Ramps J and K and McEwen Road. General information regarding observations, the investigation and findings, appears on drawing sheet number one.

The reproduced tracings of this report are being sent to the Consultant to be attached to the plans, supplementing our previous transmittal.

F. M. Williams
Engineer of Tests

Per: R. E. Calvin
Assistant Engineer

REC:sm
Encl.
cc: Robert F. Bevis (3)
J. L. Oswald (no encl.)
A. M. Kinney, Inc., Attn: J. C. Overman
J. R. Leeke (no encl.)
T. J. Rennick (no encl.)
R. P. Turner, Attn: R. E. Bashore
R. C. Leathers (no encl.)
R. E. Calvin (4)

A. M. KINNEY, INC.
CONSULTING ENGINEERS
2012 VERNON PLACE
CINCINNATI, OHIO
45219

NEW YORK
CHICAGO
DENVER
BASEL

513-751-3954

CABLE-KINPLAN

February 10, 1972

Ohio Department of Highways
Testing Laboratory
1600 West Broad Street
Columbus, Ohio 43216

Subject: MOT-675-0.00
Soil Profile
Supplement

Gentlemen:

We are enclosing, for use in preparing the soil profile, two prints each of the following plan and profile sheets:

1. I-75 interchange - Ramps S, U, V, and Y.

2. Lyons Road and Lyons Road Extension.

3. SR 725 interchange - SR 725, relocated Yankee Street, Frontage Road, Ramps J, K, L, M, and N.

4. McEwen Road.

Also enclosed are two prints each of the schematic layout plan showing the locations of the various ramps and crossroads.

If any additional data is required concerning this project, please do not hesitate to call on us.

Very truly yours,

A. M. KINNEY, INC.

J. C. Overmann

J. C. Overmann
Project Manager

JCO/pm
Encl.

Form AU 76

STATE OF OHIO
DEPARTMENT OF HIGHWAYS

INTER-OFFICE COMMUNICATION

County of MOT Div. 8
S. H. 675 Sec. 0.00 SUPPLE.
Date September 25, 1972

To Robert F. Bevis D.D.D. Attention: J. L. Oswald

From F. M. Williams per R. E. Calvin

Subject Property Damage Property Owner
MOT-675-0.00 Supple. Unknown

File: 203-1.3
Montgomery

Transmitted herewith is a driller's report of damage to property which occurred at the time of making soil investigation on this project.

This report is being sent to your office for your information and whatever action you deem necessary for maintaining favorable relations and settlement of claim prior to or in conjunction with right-of-way acquisition.

F. M. Williams
Engineer of Tests

Per: R. E. Calvin
Assistant Engineer

REC: eaj
Encl.
cc: R. E. Calvin ( )

Ohio Department of Highways
Testing Laboratory
1600 West Broad Street
Columbus, Ohio 43223

PROPERTY DAMAGE REPORT

PROJECT IDENTIFICATION MOT-675-0.00 SUPPLE.

BRIDGE NO. _____ DATE 5-3-72

LIMITS OF DAMAGE - Sta. _____ to Sta. _____

NAME OF PROPERTY OWNER _____

ADDRESS OF PROPERTY OWNER _____

CAUSE AND DESCRIPTION OF DAMAGE Apparently no damage in drilling I-75 Interchange and Intersecting Roads.

WAS PROPERTY OWNER PERSONALLY CONTACTED PRIOR TO ENTRY? No BY WHOM? _____

WAS PROPERTY OWNER PERSONALLY CONTACTED FOLLOWING DAMAGE? _____ BY WHOM? _____

PROPERTY OWNERS STATEMENT _____

CREW CHIEF REMARKS _____

CREW MEMBERS:

F. Kirby

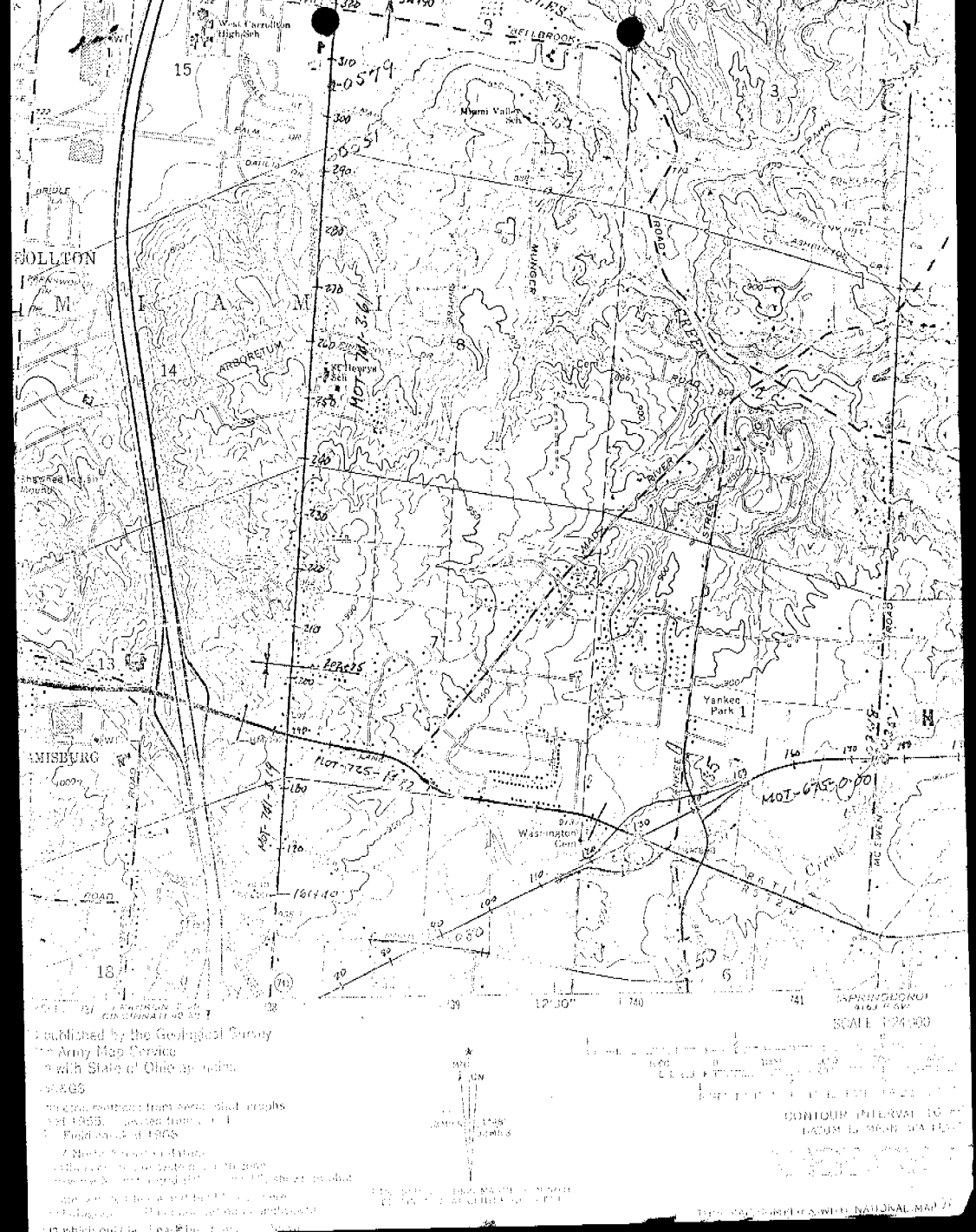
K. Hutt

Scott Bond
CREW CHIEF SIGNATURE

REMARKS: _____

Form IE-170

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
DAYTON 9 MI.
BENNER ROAD
PIPELINE
SWAMP
MEDLAR ROAD
WASHINGTON CHURCH ROAD
WALDRUHE PARK
AUSTIN ROAD
SPRINGBORO RD
MIAMISBORG
Montgomery County Airport
MONTGOMERY CO
WARREN CO
PENNYROYAL
M I A M I
R. 5 T. 2


Miami Valley
Yankee Park 1
Washington Cem.
Creek
SCALE 1:24 000

AVERAGE RESULTS OF TESTS
193 SAMPLES TESTED

	H.R.B. CLASS	OHIO CLASS	AGG	COARSE SAND	FINE SAND	SILT	CLAY	LIQUID LIMIT	PLASTICITY INDEX	WATER CONTENT	SAMPLES TESTED
	A-1-A(0)	A-1-A	64	12	12	7	5	NP	NP	9	2
	A-1-B(0)	A-1-B	36	20	25	14	5	NP	NP	15	8
	A-3A (0)	A-3A	15	9	49	21	6	NP	NP	19	2
	A-2-4(0)	A-2-4	35	14	24	19	8	16	3	14	2
	A-2-6(0)	A-2-6	51	6	8	18	17	26	11	18	1
///	A-4A (4)	A-4A	18	8	20	34	20	20	6	14	~~38~~ 35
	A-4B (8)	A-4B	1	2	8	62	27	22	4	19	11
//////	A-6A (9)	A-6A	6	4	11	40	39	30	13	21	~~38~~ 44
////	A-6B (11)	A-6B	2	1	7	37	53	37	17	24	~~49~~ 33
///	A-7-6(14)	A-7-6	1	2	6	39	52	46	23	28	~~58~~ 53

16

McEwen ROAD

LAB NO	STATION & OFFSET	DEPTH FROM	DEPTH TO	AGG	PERCENTAGES CS	FS	SILT	CLAY	LL	PI	WC	OHIO CLASS	COMP CLASS	MST
46457	9+00,003 R	00.0	03.0	15	1	3	47	34	41	18	25	A-7-6	A-7-6	
46458		03.0	06.0	1	1	19	47	32	33	16	26	A-6B	A-6B	
46459		06.0	10.0	28	11	19	29	13	20	8	12	A-4A	A-4A	
46460	15+00,020 R	00.0	04.0	0	2	10	48	40	43	22	22	A-7-6	A-7-6	
46461		04.0	06.0	0	1	6	50	43	43	23	25	A-7-6	A-7-6	
46462		06.0	09.0	0	3	13	46	38	41	23	27	A-7-6	A-7-6	
46463		09.0	13.0	1	1	55	32	11	NP	NP	20	A-4A	A-4A	0 ✓
46464		13.0	15.0	7	7	13	35	38	29	13	16	A-6A	A-6A	
46465	16+20,018 R	00.0	04.0	0	0	8	56	36	44	20	26	A-7-6	A-7-6	
46466		04.0	06.0	0	1	20	49	30	34	17	22	A-6B	A-6B	
46467		06.0	09.0	0	0	5	32	63	40	19	33	A-6B	A-6B	
46468		09.0	14.0	0	0	65	28	7	NP	NP	23	A-3A	A-3A	0 ✓
46469		14.0	15.0	6	3	18	37	36	29	12	23	A-6A	A-6A	
46470	25+00,000 12Rt	00.0	06.0	2	4	10	43	41	30	13	14	A-6A	A-6A	*
46471		06.0	10.0	5	4	6	38	47	32	16	17	A-6B	A-6B	

For Drive Sample Soil Test data,
see Typing Set-Up Sheet

FORM 6413

	LAB NO	STATION & OFFSET	DEPTH FROM	TO	PERCENTAGES AGG	CS	FS	SILT	CLAY	LL	PI	WC	OHIO CLASS	COMP CLASS	MST
		RAMP K													
15	49342	143+75.000 Q 00.5-03.0	0	1	6	33	60	48	24	27	A-7-6	A-7-6			

147+65 - 157' Lt See Summary Sheet 2

2

RAMP J

14

LAB NO	STATION & OFFSET	DEPTH FROM	DEPTH TO	AGG	CS	FS	SILT	CLAY	LL	PI	WC	OHIO CLASS	COMP CLASS	MST
49335	142+50,000 Rt	00.5	06.0	0	1	11	37	51	43	23	27	A-7-6	A-7-6	
49336		06.0	11.0	5	5	12	41	37	29	13	22	A-6A	A-6A	
49337		11.0	16.0	0	1	19	50	30	22	8	20	A-4A	A-4B	0
49338		16.0	20.0	0	0	0	33	67	39	19	22	A-6B	A-6B	
49339		20.0	25.0	0	0	1	27	72	39	17	25	A-6B	A-6B	
49340	146+75,000 Rt	00.5	03.0	0	1	6	26	67	54	28	33	A-7-6	A-7-6	
49341		03.0	05.0	0	1	6	31	62	52	27	39	A-7-6	A-7-6	

151+50 - 96' Rt
155+00 - 78 Rt
} See Summary sheet 1

3 1/2

RELOCATED YANKEE STREET

13

LAB NO	STATION & OFFSET	DEPTH FROM	DEPTH TO	AGG	PERCENTAGES CS	FS	SILT	CLAY	LL	PI	WC	OHIO CLASS	COMP CLASS	MST
46485	26+00,012 L	00.0	03.5	13	6	11	34	36	32	14	19	A-6A	A-6A	
49320	30+00,000 C	00.6	03.5	0	1	3	26	70	48	24	24	A-7-6	A-7-6	
49321	32+50,000 C	00.6	04.0	0	0	4	22	74	53	24	28	A-7-6	A-7-6	
49322	36+00,000 C	00.5	05.0	0	1	2	41	56	35	16	17	A-6B	A-6B	
49323		05.0	10.0	0	1	1	30	68	38	18	21	A-6B	A-6B	
49324		10.0	15.0	0	1	1	45	53	31	12	21	A-6A	A-6A	
46447	39+50,000 C	01.0	05.0	0	0	1	36	63	46	26	21	A-7-6	A-7-6	
46448		05.0	09.0	4	1	1	32	62	40	19	19	A-6B	A-6B	
46449		09.0	12.0	15	6	23	27	29	22	8	19	A-4A	A-4A	0
49325	44+00,000 C	00.5	05.0	0	1	5	50	44	36	16	22	A-6B	A-6B	
49326		05.0	07.0	0	1	8	50	41	33	14	25	A-6A	A-6A	
49327		07.0	11.0	0	1	3	45	51	37	16	25	A-6B	A-6B	
49328		11.0	15.0	0	0	1	26	73	40	26	25	A-6B	A-6B	
49329	52+50,000 C	00.5	04.0	0	1	13	33	53	42	19	26	A-7-6	A-7-6	
49330		04.0	07.0	0	1	5	27	67	43	20	26	A-7-6	A-7-6	
49331		07.0	11.0	8	6	12	38	36	27	12	21	A-6A	A-6A	
49332		11.0	12.0	0	0	2	86	12	NP	NP	23	A-4B	A-4B	0
49333		12.0	17.0	0	0	2	72	26	20	4	21	A-4B	A-4B	0
49334		17.0	22.0	0	0	1	30	69	38	18	25	A-6B	A-6B	
49316	56+00,045 R	00.6	03.5	10	7	20	29	34	30	11	22	A-6A	A-6A	

4½

RAMP M

12

LAB NO	STATION & OFFSET	DEPTH FROM	DEPTH TO	PERCENTAGES AGG	CS	FS	SILT	CLAY	LL	PI	WC	OHIO CLASS	COMP CLASS	MST
46476	119+50,000 Rt	00.0	02.0	0	1	7	50	42	41	18	26	A-7-6	A-7-6	
46477		02.0	06.0	0	1	12	52	35	36	16	28	A-6B	A-6B	
46478		06.0	09.0	39	32	13	13	3	18	5	14	A-1-B	A-1-B	
46479		09.0	12.0	7	12	6	24	51	37	17	24	A-6B	A-6B	
46505	124+00,000 Rt	00.0	02.0	0	1	5	55	39	48	21	30	A-7-6	A-7-6	
46506		02.0	06.0	0	1	11	53	35	38	18	25	A-6B	A-6B	
46507		06.0	09.0	0	1	23	44	32	30	14	29	A-6A	A-6A	0
46508		09.0	15.0	0	2	3	25	70	37	16	24	A-6B	A-6B	

127+30 - 120' Lt See Summary Sheet #

FORM 6413

11

RAMP L

LAB NO	STATION & OFFSET	DEPTH FROM	DEPTH TO	AGG	CS	FS	SILT	CLAY	LL	PI	WC	OHIO CLASS	COMP CLASS	MST
46509	119+50,010 L	00.0	03.0	0	1	9	55	35	37	14	29	A-6A	A-6A	
46510		03.0	06.0	0	0	3	39	58	32	12	22	A-6A	A-6A	
46511		06.0	08.0	3	5	18	43	31	31	15	25	A-6A	A-6A	
46512		08.0	12.0	0	2	3	24	71	37	17	23	A-6B	A-6B	
46472	125+20,000 ℄	00.0	04.0	0	0	23	49	28	33	12	27	A-6A	A-6A	
46473		04.0	07.0	0	0	9	56	35	33	14	27	A-6A	A-6A	
46474		07.0	09.0	3	5	16	46	30	31	12	33	A-6A	A-6A	0
46475		09.0	12.0	5	6	9	40	40	24	11	18	A-6A	A-6A	
46480	129+40,020 R	00.0	02.0	0	2	7	42	49	46	20	25	A-7-6	A-7-6	
46481		02.0	07.0	0	4	16	38	42	45	24	22	A-7-6	A-7-6	
46482		07.0	11.0	0	0	0	26	74	44	22	23	A-7-6	A-7-6	
46483		11.0	14.0	0	0	0	29	71	41	18	24	A-7-6	A-7-6	
46484		14.0	18.5	13	9	16	36	26	21	8	14	A-4A	A-4A	

122+93 - 250' Lt → ℄

See Summary Sheet 1

2 1/2

FRONTAGE ROAD

10

LAB NO	STATION & OFFSET	DEPTH FROM	DEPTH TO	AGG	CS	FS	SILT	CLAY	LL	PI	WC	OHIO CLASS	COMP CLASS	MST
49346	5+50,000 C	00.5	05.0	0	1	6	52	41	35	19	26	A-6B	A-6B	
49347		05.0	11.0	0	1	1	34	64	36	18	20	A-6B	A-6B	
49348		11.0	16.0	0	0	2	45	53	27	12	17	A-6A	A-6A	
49349		16.0	21.0	8	4	7	32	49	25	11	20	A-6A	A-6A	
49350		21.0	25.0	0	0	1	24	75	39	19	25	A-6B	A-6B	
49351		25.0	30.0	0	0	0	18	82	35	16	26	A-6B	A-6B	
49352	8+50,000 C	00.5	05.0	0	1	3	25	71	51	30	25	A-7-6	A-7-6	
49353		05.0	08.0	0	0	3	36	61	38	18	27	A-6B	A-6B	
49354		08.0	13.0	5	4	9	35	47	32	15	28	A-6A	A-6A	
49355		13.0	15.0	20	9	17	36	18	18	5	10	A-4A	A-4A	
49356		15.0	20.0	0	1	2	24	73	40	19	23	A-6B	A-6B	
49344	14+00,000 C	00.5	03.0	0	0	2	26	72	53	27	32	A-7-6	A-7-6	
49345		03.0	06.0	0	1	2	28	69	49	24	38	A-7-6	A-7-6	
49343	17+00,000 C	00.5	05.5	0	1	4	31	64	52	25	38	A-7-6	A-7-6	

RAMP N

LAB NO	STATION & OFFSET	DEPTH FROM	DEPTH TO	AGG	PERCENTAGES CS	FS	SILT	CLAY	LL	PI	WC	OHIO CLASS	COMP CLASS	MST
09														
49357	123+00,000 ℄	00.5	04.0	0	1	9	42	48	44	23	27	A-7-6	A-7-6	

2

115+00 - 95' Rt
118+93 - 106' Rt

See Summary Sheet 1

SR 725

08

LAB NO	STATION & OFFSET	DEPTH FROM	TO	AGG	PERCENTAGES CS	FS	SILT	CLAY	LL	PI	WC	OHIO CLASS	COMP CLASS	MST
46453	839+50, 20' Lt.	00.0	02.0	66	12	8	7	7	NP	NP	6	A-1-A	A-1-A	*
46454		02.0	05.0	20	8	15	25	32	48	25	24	A-7-6	A-7-6	*
46455		05.0	08.0	25	27	31	9	8	NP	NP	11	A-1-B	A-1-B	
46456		08.0	12.0	0	1	2	44	53	31	13	18	A-6A	A-6A	
46450	843+00, 020 L	00.6	05.0	16	5	43	28	8	NP	NP	19	A-4A	A-4A	
46451		05.0	09.0	0	1	4	31	64	33	16	18	A-6B	A-6B	
46452		09.0	12.0	0	0	1	33	66	36	16	23	A-6B	A-6B	
46444	866+00, 020 L	01.0	04.0	15	7	16	33	29	26	11	16	A-6A	A-6A	*
46445		04.0	09.0	0	1	2	35	62	36	17	19	A-6B	A-6B	*
46446		09.0	12.0	0	0	0	39	61	33	16	18	A-6B	A-6B	
46441	869+50, 020 L	01.0	03.0	11	3	5	33	48	33	14	16	A-6A	A-6A	*
46442		03.0	09.0	0	1	2	32	65	36	17	17	A-6B	A-6B	*
46443		09.0	12.0	0	1	1	28	70	38	16	23	A-6B	A-6B	

LYONS ROAD EXTENSION

07

LAB NO	STATION & OFFSET	DEPTH FROM	DEPTH TO	AGG	PERCENTAGES CS	PERCENTAGES FS	PERCENTAGES SILT	PERCENTAGES CLAY	LL	PI	WC	OHIO CLASS	COMP CLASS	MST
46486	7+00,000 C	01.0	04.0	0	1	10	46	43	44	23	29	A-7-6	A-7-6	
46487		04.0	07.0	1	2	7	38	52	42	22	25	A-7-6	A-7-6	
46488		07.0	12.0	0	0	0	31	69	36	16	27	A-6B	A-6B	
46489	11+00,000 C	00.0	01.5	0	1	6	46	47	50	22	29	A-7-6	A-7-6	
46490		01.5	04.0	0	1	2	49	48	50	28	27	A-7-6	A-7-6	
46491		04.0	09.0	2	0	1	33	64	38	16	29	A-6B	A-6B	
46492		09.0	12.0	11	17	13	25	34	29	11	20	A-6A	A-6A	
46493	15+00,000 C	00.0	02.0	0	1	3	47	49	48	19	29	A-7-6	A-7-6	
46494		02.0	06.0	0	1	2	48	49	47	22	28	A-7-6	A-7-6	
46495		06.0	11.0	0	1	1	30	68	37	17	24	A-6B	A-6B	
46496		11.0	15.0	0	1	2	33	64	35	16	25	A-6B	A-6B	
46497	18+00,000 C	00.0	01.5	0	0	4	51	45	49	20	29	A-7-6	A-7-6	
46498		01.5	05.0	0	1	8	46	45	44	22	26	A-7-6	A-7-6	
46499		05.0	08.0	3	3	7	42	45	30	13	16	A-6A	A-6A	
46500		08.0	12.0	0	1	2	27	70	51	27	32	A-7-6	A-7-6	
49318	21+50,000 C	00.5	03.0	0	1	5	54	40	38	19	24	A-6B	A-6B	
49319		03.0	05.5	8	5	8	44	35	30	12	21	A-6A	A-6A	
49317	24+50,000 C	00.3	04.0	0	1	3	53	43	41	19	25	A-7-6	A-7-6	*

3 1/2

LYONS ROAD

06

LAB NO	STATION & OFFSET	DEPTH FROM	DEPTH TO	AGG	CS	FS	SILT	CLAY	LL	PI	WC	OHIO CLASS	COMP CLASS	MST
46501	14+00,010 R	00.0	02.0	12	3	9	40	36	38	14	26	A-6A	A-6A	
46502		02.0	05.0	5	5	24	39	27	35	16	23	A-6B	A-6B	
46503		05.0	07.0	24	15	34	21	6	NP	NP	16	A-2-4	A-2-4	
46504		07.0	10.0	3	2	6	71	18	20	3	19	A-4B	A-4B	0
46513	25+00,000	00.0	03.0	13	5	16	36	30	38	16	27	A-6B	A-6B	
46514		03.0	06.0	0	3	13	40	44	46	26	28	A-7-6	A-7-6	
46515		06.0	07.0	3	4	17	50	26	24	7	24	A-4B	A-4B	0
46516		07.0	10.0	0	0	0	64	36	22	5	12	A-4B	A-4B	
46517	29+00,005	00.0	02.5	0	4	13	46	37	37	15	20	A-6A	A-6A	
46518		02.5	05.0	0	1	41	24	34	37	17	24	A-6B	A-6B	
46519		05.0	06.0	6	1	22	48	23	21	6	21	A-4A	A-4A	0
46520		06.0	10.0	0	0	1	53	46	28	10	25	A-4B	A-4B	0

Ramp Y

05

LAB NO	STATION & OFFSET	DEPTH FROM	DEPTH TO	PERCENTAGES AGG	CS	FS	SILT	CLAY	LL	PI	WC	OHIO CLASS	COMP CLASS	MST
49387	46+00,000 Rt	00.5	05.0	0	1	4	55	40	38	17	23	A-6B	A-6B	
49388		05.0	07.0	13	10	28	36	13	22	6	22	A-4A	A-4A	0 ✓
49389		07.0	12.0	41	16	23	17	3	NP	NP	19	A-1-B	A-1-B	
49390		12.0	13.0	17	11	21	35	16	17	4	13	A-4A	A-4A	
49383	53+00,000 Rt	00.5	05.0	1	2	7	45	45	40	20	29	A-6B	A-6B	
49384		05.0	10.0	40	17	21	19	3	NP	NP	15	A-1-B	A-1-B	
49385		10.0	15.0	61	13	15	8	3	NP	NP	11	A-1-A	A-1-A	
49386		15.0	20.0	5	3	7	62	23	NP	NP	19	A-4B	A-4B	

1 1/2

FORM 6413

02

Ramp V

LAB NO	STATION & OFFSET	DEPTH FROM	DEPTH TO	AGG	CS	FS	SILT	CLAY	LL	PI	WC	OHIO CLASS	COMP CLASS	MST
49712	22+00,000 Rt	00.0	03.0	29	8	15	33	15	20	7	12	A-4A	A-4A	
49719	24+00,000 Rt	00.5	03.0	4	4	9	35	48	45	24	24	A-7-6	A-7-6	
49717	30+00,000 Rt	00.5	03.0	5	2	10	42	41	44	24	34	A-7-6	A-7-6	
49718		03.0	04.0	15	12	20	35	18	25	10	22	A-4A	A-4A	0 ✓
49715	35+50,000 Rt	00.5	03.0	4	1	8	36	51	48	26	28	A-7-6	A-7-6	
49716		03.0	04.0	10	10	14	32	34	31	15	26	A-6A	A-6A	
49713	39+00,000 Rt	00.6	03.0	0	2	6	42	50	45	26	37	A-7-6	A-7-6	
49714		03.0	06.0	0	1	6	30	63	45	25	33	A-7-6	A-7-6	
49380	42+90,000 Rt	00.5	04.0	0	2	7	43	48	46	23	27	A-7-6	A-7-6	
49381		04.0	08.0	14	7	12	35	32	29	13	21	A-6A	A-6A	
49382		08.0	09.0	23	10	14	28	25	30	15	20	A-6A	A-6A	
49378	45+50,000 Rt	00.5	04.0	0	1	7	49	43	42	23	23	A-7-6	A-7-6	
49379		04.0	07.0	51	6	8	18	17	26	11	18	A-2-6	A-2-6	
49374	48+50,000 Rt	00.6	05.0	0	2	6	57	35	36	16	27	A-6B	A-6B	
49375		05.0	08.0	33	4	10	30	23	33	17	27	A-6B	A-6B	
49376		08.0	10.0	21	8	18	33	20	21	7	16	A-4A	A-4A	
49377		10.0	12.0	3	7	20	51	19	NP	NP	16	A-4B	A-4B	

4

Ramp U

04

LAB NO	STATION & OFFSET	DEPTH FROM	DEPTH TO	PERCENTAGES AGG	CS	FS	SILT	CLAY	LL	PI	WC	OHIO CLASS	COMP CLASS	MST
49726	28+00,000 C	00.5	03.0	0	3	9	45	43	39	18	26	A-6B	A-6B	
49727		03.0	05.0	23	10	14	33	20	21	7	16	A-4A	A-4A	
49725	30+50,000 L	00.4	03.5	0	2	10	41	47	46	25	37	A-7-6	A-7-6	
49720	36+00,000 L	00.5	02.0	0	3	14	54	29	35	16	24	A-6B	A-6B	
49721		02.0	08.0	16	14	21	33	16	17	3	15	A-4A	A-4A	X
49722		08.0	13.0	18	10	18	38	16	19	6	12	A-4A	A-4A	
49723		13.0	18.0	46	12	15	17	10	16	6	11	A-2-4	A-2-4	
49724		18.0	22.0	17	9	18	33	23	19	7	9	A-4A	A-4A	
49369	50+00,000 L	00.6	02.0	5	1	6	51	37	40	20	27	A-6B	A-6B	
49370		02.0	06.0	4	7	27	46	16	NP	NP	19	A-4A	A-4A	
49371		06.0	11.0	29	19	33	14	5	NP	NP	15	A-3A	A-3A	
49372		11.0	14.0	40	17	27	12	4	NP	NP	14	A-1-B	A-1-B	
49373		14.0	16.0	9	9	14	36	32	21	8	14	A-4A	A-4A	
49358	55+00,050 R	00.5	02.0	0	2	9	42	47	43	20	32	A-7-6	A-7-6	
49359		02.0	05.0	26	13	23	33	5	NP	NP	19	A-4A	A-4A	
49360		05.0	10.0	23	11	19	32	15	17	5	10	A-4A	A-4A	
49361		10.0	13.0	10	10	16	34	30	22	9	12	A-4A	A-4A	
49362		13.0	18.0	13	9	14	32	32	23	11	13	A-6A	A-6A	
49363	60+00,035 R	00.5	05.0	5	6	14	38	37	34	16	23	A-6B	A-6B	
49364		05.0	08.0	8	8	14	34	36	28	12	23	A-6A	A-6A	
49365		08.0	12.0	35	19	27	14	5	NP	NP	17	A-1-B	A-1-B	
49366		12.0	16.0	32	18	30	11	9	NP	NP	15	A-1-B	A-1-B	
49367		16.0	20.0	1	2	2	76	19	NP	NP	20	A-4B	A-4B	X
49368	65+00,030 R	00.5	03.0	13	9	20	23	35	42	18	25	A-7-6	A-7-6	

LOG OF BORING

Date Started 3-29-71 | Sampler Type SS | Dia 1 3/8" | Water Elev ____
Date Completed 4-1-71 | Casing: Length 60' | Dia 3 1/2"
Boring No B-8 | Station & Offset 46+46, 35' RT. (FORWARD ABUTMENT) | Surface Elev 891.6

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No	% Agg	% C S	% F S	% Silt	% Clay	L L	P I	W C	SHTL Class.
891.6	0				Rds. Yankee St.										
889.1	2														
	4	1/2			BROWN SILT AND CLAY	1	3	5	18	39	35	30	15	32	A-6a
886.6	6	2/3			BROWN & GRAY SILTY CLAY	2	4	3	7	40	46	34	17	27	A-6b
884.1	8	4/8			BROWN SILTY CLAY	3	0	0	1	34	65	38	19	21	A-6b
881.6	10	6/15			BROWN SILTY CLAY	4	5	0	0	31	64	36	18	20	A-6b
879.1	12	10/13			GRAY SILTY CLAY	5	0	1	7	23	69	35	17	20	A-6b
876.6	14	7/14			GRAY SILTY CLAY	6	0	1	1	31	67	37	17	23	A-6b
874.1	16	11/14			GRAY SILTY CLAY	7	0	0	0	28	72	37	17	24	A-6b
871.6	18	5/7			GRAY CLAY	8	0	2	1	24	73	40	21	29	A-6b
	20														
866.6	22														
	24	8/15			GRAY CLAYEY SILT	9	5	3	7	50	35	23	8	15	A-4b
861.6	28														
	30	9/21			GRAY GRAVELLY SANDY SILT	10	19	8	14	32	27	21	9	12	A-4a
856.6	32														
	34	16/24			GRAY GRAVELLY SANDY SILT	11	19	8	14	31	28	21	7	11	A-4a
851.6	38														
	40	11/14			GRAY SANDY SILT	12	12	10	15	33	30	20	7	12	A-4a
846.6	42														
	44	8/13			GRAY SILT AND CLAY	13	12	6	11	33	38	24	11	15	A-6a
841.6	48														
	50	8/11			GRAY SILTY CLAY WITH COBBLES	14	0	0	0	25	75	36	16	22	A-6b
836.6	52														
	54	21/31			BROWN SANDY GRAVEL	15	70	17	6	-	-	NP	NP	16	A-1-a
831.6	58														
	60	18/27			GRAY SILTY CLAY	16	14	3	2	20	61	38	18	26	A-6b
826.6	64														
	66	10/11			GRAY CLAY	17	4	0	0	17	79	47	24	33	A-7-6
821.6	68														
	70	9/9			GRAY CLAY	18	0	0	0	23	77	45	24	30	A-7-6
816.6	74														
	76	7/8			GRAY SILTY CLAY	19	0	1	1	32	66	39	20	25	A-6b
811.6	78														
	80	6/9			GRAY CLAY	20	0	0	1	12	87	49	25	32	A-7-6
806.6	84														
	86	15/30			GRAY SILTY CLAY	21	0	0	1	25	74	39	20	25	A-6b
801.6	88														
	90	14/18			GRAY SILTY CLAY	22	0	0	0	32	68	40	19	24	A-6b
796.6	94														
	96	14/17			GRAY SILTY CLAY	23	0	2	4	31	63	35	17	28	A-6b
791.6	98														
	100	9/8			GRAY SILT AND CLAY	24	0	0	0	20	80	34	12	31	A-6a
786.6	104														
786.6	106	8/10			NO SAMPLE RECOVERED										

BOTTOM OF BORING

GENERAL INFORMATION

INTRODUCTION

THIS REPORT CONSISTS OF THE SOILS INVESTIGATION OF THE IR 75 IR 675 INTERCHANGE AND THE IR 675-SR 725 INTERCHANGE, RELOCATED YANKEE STREET AND MC EWEN ROAD. SOIL PROFILES INCLUDED IN THIS REPORT ARE LISTED IN THE PROJECT INDEX, ON THIS SHEET.

FOR MAXIMUM PROPOSED CUTS AND FILL EMBANKMENTS, SEE THE PROJECT INDEX, ON THIS SHEET.

GEOLOGY AND OBSERVATIONS OF THE PROJECT

THE PROJECT IS LOCATED ON A RELATIVELY FLAT PORTION OF THE GLACIATED LEXINGTON PENEPLAIN, IN AN AREA WHERE THIN TO MODERATELY THICK GLACIAL DRIFT OVERLIES INTERBEDDED SHALE AND LIMESTONE BEDROCK, OF ORDOVICIAN AGE. A SMALL POND IS LOCATED IN THE VICINITY OF LYONS ROAD EXTENSION STATIONS 22+00 AND 23+00.

EXPLORATION

EXPLORATORY BORINGS WERE MADE BY MEANS OF TRUCK-MOUNTED MECHANICAL SOIL AUGER AND HAND AUGER (IN DIFFICULT ACCESS AREAS), BETWEEN FEBRUARY 28, AND MARCH 3, 1972 AND FROM APRIL 25 TO MAY 3, 1972. INCLUDED IN THIS REPORT ARE LOGS OF BORINGS MADE FOR THE STRUCTURE FOUNDATION INVESTIGATIONS ON THE PROJECT AND MOT-675-0.00 (DATED 6-18-71).

INVESTIGATIONAL FINDINGS

MATERIALS ENCOUNTERED ON THE PROJECT WERE PREDOMINANTLY COMPRISED OF SILT CLAYS (A-6a AND A-6b) AND CLAYS (A-7-6), WITH SOME SANDY SILTS (A-4a AND A-4b), GENERALLY HAVING LOW MOISTURE CONTENTS AND MOISTURE CONTENTS IN THE LOWER PORTIONS OF THE PLASTIC RANGE.

WET MATERIALS WERE ENCOUNTERED AT RAMP S STATIONS 41+16 AND 45+06, RAMP V STATIONS 30+00 AND 52+63, RAMP U STATIONS 42+00, 43+92 AND 51+38, RAMP Y STATION 46+00, LYONS ROAD STATIONS 14+00, 18+24, 21+83, 25+25 AND 29+00, LYONS ROAD EXTENSION STATION 20+74, SR 725 847+92, 851+03, 854+97 AND 856+70, RAMP M STATION 124+00, RAMP N STATION 115+00, RAMP L STATION 125+20, RELOCATED YANKEE STREET STATIONS 39+50, 46+44, 49+05, 50+89 AND 52+50, MC EWEN ROAD STATIONS 10+89, 12+38 (WITH ORGANIC MATTER), 15+00, 16+20, 18+62 AND 20+86.

LEGEND FOR PROJECT AVERAGE RESULTS OF TESTS— 211 SAMPLES TESTED

DESCRIPTION	H.R.B. CLASS	OHIO CLASS	% AGG.	% C. SAND	% F. SAND	% SILT	% CLAY¹	LIQUID LIMIT	PLASTICITY INDEX	WATER CONTENT	SAMPLES TESTED
GRAVEL	A-1-a(0)	A-1-a	64	12	12	7	5	NP	NP	9	2
GRAVEL WITH SAND	A-1-b(0)	A-1-b	36	20	25	14	5	NP	NP	15	8
COARSE AND FINE SAND	-----	A-3a	15	9	49	21	6	NP	NP	19	2
STONE FRAGMENTS WITH SAND AND SILT	A-2-4(0)	A-2-4	35	14	24	19	8	16	3	14	2
STONE FRAGMENTS WITH SAND, SILT AND CLAY	A-2-6(0)	A-2-6	51	6	8	18	17	26	11	18	1
SANDY SILT	A-4(4)	A-4a	18	8	20	34	20	20	6	14	33
SILT	A-4(8)	A-4b	1	2	8	62	27	22	4	19	11
SILT AND CLAY	A-6(9)	A-6a	6	4	11	40	39	30	13	21	44
SILTY CLAY	A-6(11)	A-6b	2	1	7	37	53	37	17	24	53
CLAY	A-7-6(14)	A-7-6	1	2	6	39	52	46	23	28	53
WEATHERED SHALE			VISUAL CLASSIFICATION								1
SHALE			VISUAL CLASSIFICATION								1
LIMESTONE			VISUAL CLASSIFICATION								-
BOULDERS OR COBBLES			VISUAL CLASSIFICATION								-
VARIOUS OTHER MATERIALS			VISUAL CLASSIFICATION								-

SOD OR TOPSOIL=X='APPROXIMATE DEPTH.

BERM MATERIAL.

AUGER BORING-PLAN VIEW.

DRIVE SAMPLE AND/OR CORE BORING-PLAN VIEW.

AUGER BORING PLOTTED TO VERTICAL SCALE ONLY.

DRIVE SAMPLE AND/OR CORE BORING PLOTTED TO VERTICAL SCALE ONLY.

WATER CONTENT NEARLY EQUAL TO OR GREATER THAN LIQUID LIMIT.

INDICATES A NON-PLASTIC MATERIAL WITH A HIGH WATER CONTENT.

W FREE WATER.

NUMBER OF BLOWS FOR "STANDARD PENETRATION" TEST.
X=NUMBER OF BLOWS FOR FIRST 6 INCHES.
Y=NUMBER OF BLOWS FOR SECOND 6 INCHES.

NOTE: FIGURES BESIDE BORINGS INDICATE WATER CONTENT IN PERCENT E.G. 15

SOIL PROFILE

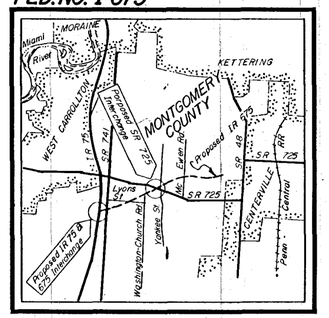
MONTGOMERY COUNTY.
MOT-675-0.00 SUPPL.

OHIO STATE HIGHWAY TESTING LABORATORY
1620 W. BROAD ST. COLUMBUS, OHIO 43223

1/18

NOTE: INFORMATION SHOWN BY THIS SUBGRADE PROFILE WAS OBTAINED SOLELY FOR USE IN ESTABLISHING DESIGN CONTROLS FOR THE PROJECT. THE STATE OF OHIO DOES NOT GUARANTEE THE ACCURACY OF THIS DATA AND IT IS NOT TO BE CONSTRUED AS A PART OF THE PLANS GOVERNING CONSTRUCTION OF THE PROJECT.

FED.NO. I-675-



LOCATION MAP

Recon. J.S.M. 2/24/72
Drilling. Auger- L.M.D., W.S.B.
2/28 & 29/72, 3/1 & 2/72
4/25/72 to 5/3/72
Drafting- A.F. 6/21/72

PROJECT INDEX

STATIONS FROM	STATIONS TO	PLAN VIEW SHEET	PROFILE SHEET	CUT MAX.	FILL EMB. MAX.
RAMP S					
2+01.86	33+00	4	4	12'	11'
33+00	46+00	5	5	-	34'
RAMP V					
17+00	49+00	6	6	-	21'
49+00	70+30	7	7	-	27'
RAMP U					
23+00	38+00	8	8	13'	46'
38+00	57+00	9	9	-	61'
57+00	70+00	10	10	-	23'
RAMP Y					
40+00	57+00	10	10	-	21'
LYONS ROAD					
10+00	32+00	11	11	-	30'
LYONS ROAD EXTENSION					
5+00	25+00	12	12	-	13'
SR 725					
837+00	870+00	13	13	2'	33'
RAMP M					
117+00	128	14	15	-	26
FRONTAGE ROAD					
5+00	20+35	4	15		29
RAMP N					
114+00	126+20	14	16	-	23
RAMP J					
140+62	156+15	14	16	2'	25'
RAMP L					
118+00	133+15	14	16	-	25'
RAMP K					
140+15	154+00	14	16	4'	27'
RELOCATED YANKEE ST					
24+00	56+00	17	17	5'	31'
56+00	62+00	18	18	-	8'
MC EWEN ROAD					
6+00	26+00	18	18	-	29'

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DESCRIPTION	H.R.B. CLASS	OHIO CLASS	% AGG.	% C. SAND	% F. SAND	% SILT	% CLAY	LIQUID LIMIT	PLASTICITY INDEX	WATER CONTENT	SAMPLES TESTED
GRAVEL	A-1-a(0)	A-1-a	64	12	12	7	5	NP	NP	9	2
GRAVEL WITH SAND	A-1-b(0)	A-1-b	36	20	25	14	5	NP	NP	15	8
COARSE AND FINE SAND	-----	A-3a	15	9	49	21	6	NP	NP	19	2
STONE FRAGMENTS WITH SAND AND SILT	A-2-4(0)	A-2-4	35	14	24	19	8	16	3	14	2
STONE FRAGMENTS WITH SAND, SILT AND CLAY	A-2-6(0)	A-2-6	51	6	8	18	17	26	11	18	1
SANDY SILT	A-4(4)	A-4a	18	8	20	34	20	20	6	14	33
SILT	A-4(8)	A-4b	1	2	8	62	27	22	4	19	11
SILT AND CLAY	A-6(9)	A-6a	6	4	11	40	39	30	13	21	44
SILTY CLAY	A-6(11)	A-6b	2	1	7	37	53	37	17	24	53
CLAY	A-7-6(14)	A-7-6	1	2	6	39	52	46	23	28	53
WEATHERED SHALE			VISUAL CLASSIFICATION								1
SHALE			VISUAL CLASSIFICATION								1
LIMESTONE			VISUAL CLASSIFICATION								-
BOULDERS OR COBBLES			VISUAL CLASSIFICATION								-
VARIOUS OTHER MATERIALS			VISUAL CLASSIFICATION								-

SOD OR TOPSOIL=X='APPROXIMATE DEPTH.

BERM MATERIAL.

AUGER BORING-PLAN VIEW.

DRIVE SAMPLE AND/OR CORE BORING-PLAN VIEW.

AUGER BORING PLOTTED TO VERTICAL SCALE ONLY.

DRIVE SAMPLE AND/OR CORE BORING PLOTTED TO VERTICAL SCALE ONLY.

WATER CONTENT NEARLY EQUAL TO OR GREATER THAN LIQUID LIMIT.

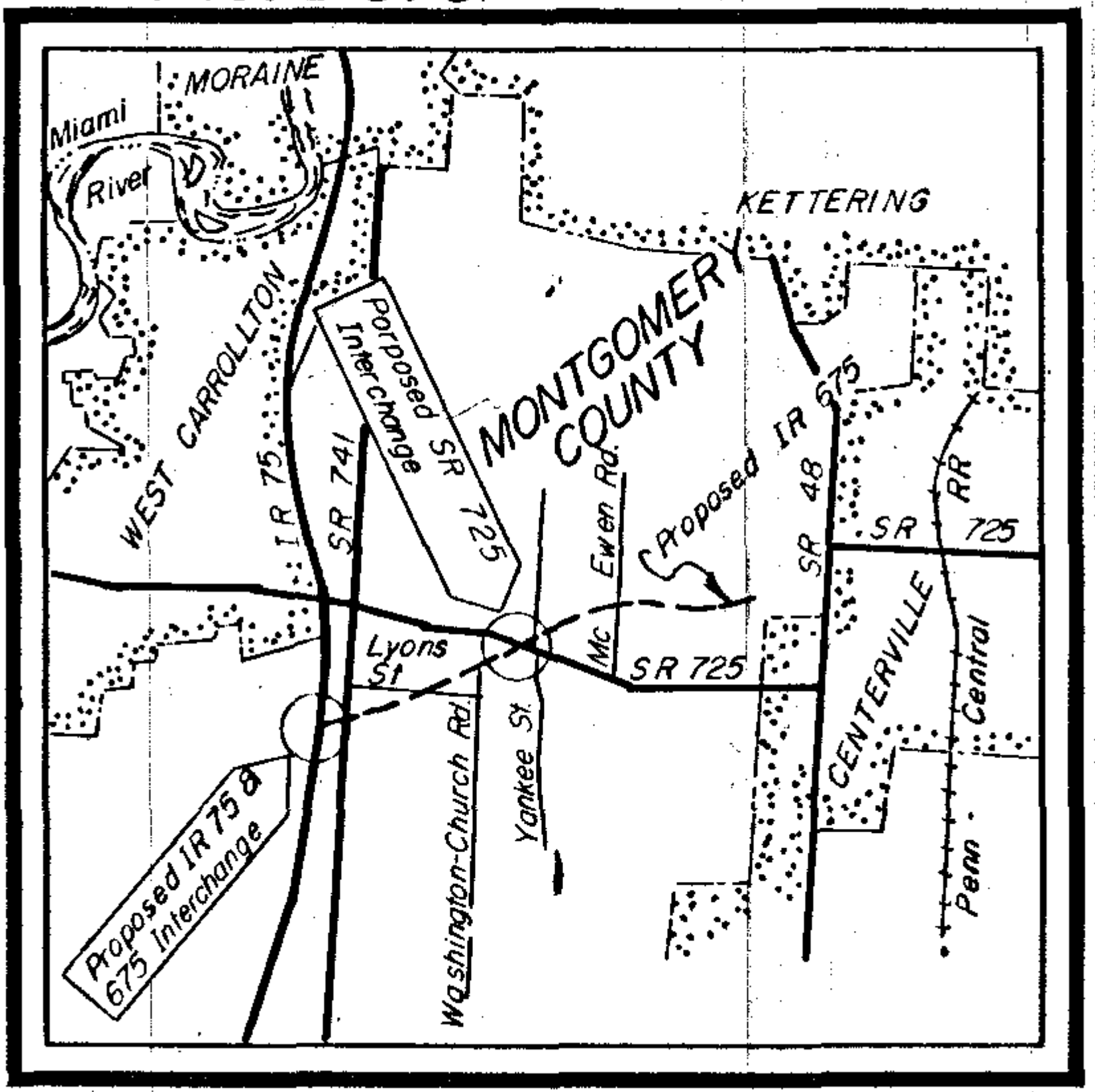
INDICATES A NON-PLASTIC MATERIAL WITH A HIGH WATER CONTENT.

W FREE WATER.

NUMBER OF BLOWS FOR "STANDARD PENETRATION" TEST.
X=NUMBER OF BLOWS FOR FIRST 6 INCHES.
Y=NUMBER OF BLOWS FOR SECOND 6 INCHES.

NOTE: FIGURES BESIDE BORINGS INDICATE WATER CONTENT IN PERCENT E.G. 15

FED.NO. I-675-



LOCATION MAP

PROJECT INDEX

STATIONS FROM	TO	PLAN VIEW SHEET	PROFILE SHEET	CUT MAX.	FILL EMB. MAX.
RAMP S					
2+01.86	33+00	4	4	12'	11'
33+00	46+00	5	5	-	34'
RAMP V					
17+00	49+00	6	6	-	21'
49+00	70+30	7	7	-	27'
RAMP U					
23+00	38+00	8	8	13'	46'
38+00	57+00	9	9	-	61'
57+00	70+00	10	10	-	23'
RAMP Y					
40+00	57+00	10	10	-	21'
LYONS ROAD					
10+00	32+00	11	11	-	30'
LYONS ROAD EXTENSION					
5+00	25+00	12	12	-	13'
SR 725					
837+00	870+00	13	13	2'	33'
RAMP M					
17+00	128	14	15	-	26
FRONTAGE ROAD					
5+00	20+35	4	15		29
RAMP N					
114+00	126+20	14	16	-	23
RAMP J					
140+62	156+15	14	16	2'	25'
RAMP L					
118+00	133+15	14	16	-	25'
RAMP K					
140+15	154+00	14	16	4'	27'
RELOCATED YANKEE ST					
24+00	56+00	17	17	5'	31'
56+00	62+00	18	18	-	8'
MC EWEN ROAD					
6+00	26+00	18	18	-	29'

SOIL PROFILE
MONTGOMERY COUNTY
MOT-675-0.00-SUPPL.
OHIO STATE HIGHWAY TESTING LABORATORY
1600 W. BROAD ST. COLUMBUS, OHIO 43223

2/18

SUMMARY OF SOIL TEST DATA

NOTE: NP SHOWN IN LIQUID LIMIT AND PLASTICITY INDEX COLUMNS INDICATES THAT THE MATERIAL IS NON-PLASTIC.
*DENOTES SAMPLE TAKEN AT OR NEAR GRADE.

STATION & OFFSET	DEPTH FROM	DEPTH TO	% AGG.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	% W.C.	SHTL CLASS.
RAMP S											
5+00 BL	0.3	3.5	0	2	8	64	26	30	13	20	A-6a
10+00 BL	0.3	4.0	0	1	5	41	53	45	25	26	A-7-6*
14+00 50'Lt	0.5	6.0	10	5	9	38	38	32	16	24	A-6b
	6.0	11.0	31	5	7	36	21	21	8	12	A-4a*
	11.0	16.0	0	1	2	52	45	26	11	11	A-6a*
	16.0	20.5	17	1	1	34	47	30	11	15	A-6a
18+00 BL	0.5	4.0	0	0	4	55	41	35	17	23	A-6b
	4.0	8.0	0	1	6	54	39	21	9	13	A-4b*
	8.0	13.0	0	0	3	46	51	24	10	11	A-4a*
	13.0	16.0	0	0	1	35	64	30	12	13	A-6a
22+00 BL	0.5	4.0	21	7	18	31	23	22	9	17	A-4a
	4.0	8.0	19	10	22	31	18	17	5	12	A-4a*
	8.0	13.0	33	21	25	15	6	NP	NP	16	A-1-b
	13.0	17.0	19	11	18	34	18	17	6	13	A-4a
	17.0	20.0	38	8	14	25	15	18	7	12	A-4a
27+20 20'Lt	0.5	5.0	0	2	7	45	46	42	19	25	A-7-6
	5.0	10.0	0	7	18	38	37	30	14	20	A-6a*
	10.0	14.0	14	10	20	34	22	18	5	5	A-4a*
	14.0	20.0	27	8	16	32	17	19	7	10	A-4a
32+00 BL	0.5	3.0	27	6	14	36	17	25	9	15	A-4a
36+00 BL	0.5	2.0	0	0	2	47	51	50	25	30	A-7-6
	2.0	4.5	0	2	4	60	34	37	18	26	A-6b
RAMP V											
22+00 BL	0.0	3.0	29	8	15	33	15	20	7	12	A-4a
24+00 BL	0.5	3.0	4	4	9	35	48	45	24	24	A-7-6
30+00 BL	0.5	3.0	5	2	10	42	41	44	24	34	A-7-6
	3.0	4.0	15	12	20	35	18	25	10	22	A-4a
35+00 BL	0.5	3.0	4	1	8	36	51	48	26	28	A-7-6
	3.0	4.0	10	10	14	32	34	31	15	26	A-6a
39+00 BL	0.6	3.0	0	2	6	42	50	45	26	37	A-7-6
	3.0	6.0	0	1	6	30	63	45	25	33	A-7-6
42+90 BL	0.5	4.0	0	2	7	43	48	46	23	27	A-7-6
	4.0	8.0	14	7	12	35	32	29	13	21	A-6a
	8.0	9.0	23	10	14	28	25	30	15	20	A-6a
45+50 BL	0.5	4.0	0	1	7	49	43	42	23	23	A-7-6
	4.0	7.0	51	6	8	18	17	26	11	18	A-2-6
48+50 BL	0.6	5.0	0	2	6	57	35	36	16	27	A-6b
	5.0	8.0	33	4	10	30	23	33	17	27	A-6b
	8.0	10.0	21	8	18	33	20	21	8	16	A-4a
	10.0	12.0	3	7	20	51	19	NP	NP	16	A-4b
RAMP U											
28+00 BL	0.5	3.0	0	3	9	45	43	39	18	26	A-6b
	3.0	5.0	23	10	14	33	20	21	7	16	A-4a
30+50 BL	0.4	3.5	0	2	10	41	47	46	25	37	A-7-6
36+00 BL	0.5	2.0	0	3	14	54	29	35	16	24	A-6b
	2.0	8.0	16	14	21	33	16	17	3	15	A-4a
	8.0	13.0	18	10	18	38	16	19	6	12	A-4a
	13.0	18.0	46	12	15	17	10	16	6	11	A-2-4
	18.0	22.0	17	9	18	33	23	19	7	9	A-4a
50+00 BL	0.6	2.0	5	1	6	51	37	40	20	27	A-6b
	2.0	6.0	4	7	27	46	16	NP	NP	19	A-4a
	6.0	11.0	29	19	33	14	5	NP	NP	15	A-3a
	11.0	14.0	40	17	27	12	4	NP	NP	14	A-1-b
	14.0	16.0	9	9	14	36	32	21	8	14	A-4a
55+00 50'Rt	0.5	2.0	0	2	9	42	47	43	20	32	A-7-6
	2.0	5.0	26	13	23	33	5	NP	NP	19	A-4a
	5.0	10.0	23	11	19	32	15	17	5	10	A-4a
	10.0	13.0	10	10	16	34	30	22	9	12	A-4a
	13.0	18.0	13	9	14	32	32	23	11	13	A-6a

STATION & OFFSET	DEPTH FROM	DEPTH TO	% AGG.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	% W.C.	SHTL CLASS.
60+00 35'Rt	0.5	5.0	5	6	14	38	37	34	16	23	A-6b
	5.0	8.0	8	8	14	34	36	28	12	23	A-6a
	8.0	12.0	35	19	27	14	5	NP	NP	17	A-1-b
	12.0	16.0	32	18	30	11	9	NP	NP	15	A-1-b
	16.0	20.0	1	2	2	76	19	NP	NP	20	A-4b
65+00 30'Rt	0.5	3.0	13	9	20	23	35	42	18	25	A-7-6
RAMP Y											
46+00 BL	0.5	5.0	0	1	4	55	40	38	17	23	A-6b
	5.0	7.0	13	10	28	36	13	22	6	22	A-4a
	7.0	12.0	41	16	23	17	3	NP	NP	19	A-1-b
	12.0	13.0	17	11	21	35	16	17	4	13	A-4a
53+00 BL	0.5	5.0	1	2	7	45	45	40	20	29	A-6b
	5.0	10.0	40	17	21	19	3	NP	NP	15	A-1-b
	10.0	15.0	61	13	15	8	3	NP	NP	11	A-1-a
	15.0	20.0	5	3	7	62	23	NP	NP	19	A-4b
LYONS ROAD											
14+00 10'Rt	0.0	2.0	12	3	9	40	36	38	14	26	A-6a
	2.0	5.0	5	5	24	39	27	35	16	23	A-6b
	5.0	7.0	24	15	34	21	6	NP	NP	16	A-2-4
	7.0	10.0	3	2	6	71	18	20	3	19	A-4b
25+00 CL	0.0	3.0	13	5	16	36	30	38	16	27	A-6b
	3.0	6.0	0	3	13	40	44	46	26	28	A-7-6
	6.0	7.0	3	4	17	50	26	24	7	24	A-4b
	7.0	10.0	0	0	0	64	36	22	5	12	A-4b
29+00 5'Rt	0.0	2.5	0	4	13	46	37	37	15	20	A-6a
	2.5	5.0	0	1	41	24	34	37	17	24	A-6b
	5.0	6.0	6	1	22	48	23	21	6	21	A-4a
	6.0	10.0	0	0	1	53	46	28	10	25	A-4b
LYONS ROAD EXTENSION											
7+00 CL	1.0	4.0	0	1	10	46	43	44	23	29	A-7-6
	4.0	7.0	1	2	7	38	52	42	22	25	A-7-6
	7.0	12.0	0	0	0	31	69	36	16	27	A-6b
11+00 CL	0.0	1.5	0	1	6	46	47	50	22	29	A-7-6
	1.5	4.0	0	1	2	49	48	50	28	27	A-7-6
	4.0	9.0	2	0	1	33	64	38	16	29	A-6b
	9.0	12.0	11	17	13	25	34	29	11	20	A-6a
15+00 CL	0.0	2.0	0	1	3	47	49	48	19	29	A-7-6
	2.0	6.0	0	1	2	48	49	47	22	28	A-7-6
	6.0	11.0	0	1	1	30	68	37	17	24	A-6b
	11.0	15.0	0	1	2	33	64	35	16	25	A-6b
18+00 CL	0.0	1.5	0	0	4	51	45	49	20	29	A-7-6
	1.5	5.0	0	1	8	46	45	44	22	26	A-7-6
	5.0	8.0	3	3	7	42	45	30	13	16	A-6a
	8.0	12.0	0	1	2	27	70	51	27	32	A-7-6
21+50 CL	0.5	3.0	0	1	5	54	40	38	19	24	A-6b
	3.0	5.5	8	5	8	44	35	30	12	21	A-6a
24+50 CL	0.3	4.0	0	1	3	53	43	41	19	25	A-7-6*
SR 725											
839+50 20'Lt	0.0	2.0	66	12	8	7	7	NP	NP	6	A-1-a*
	2.0	5.0	20	8	15	25	32	48	25	24	A-7-6*
	5.0	8.0	25	27	31	9	8	NP	NP	11	A-1-b
	8.0	12.0	0	1	2	44	53	31	13	18	A-6a
843+00 20'Lt	0.6	5.0	16	5	43	28	8	NP	NP	19	A-4a
	5.0	9.0	0	1	4	31	64	33	16	18	A-6b
	9.0	12.0	0	0	1	33	66	36	16	23	A-6b
866+00 20'Lt	1.0	4.0	15	7	16	33	29	26	11	16	A-6a*
	4.0	9.0	0	1	2	35	62	36	17	19	A-6b*
	9.0	12.0	0	0	0	39	61	33	16	18	A-6b
869+50 20'Lt	1.0	3.0	11	3	5	33	48	33	14	16	A-6a*
	3.0	9.0	0	1	2	32	65	36	17	17	A-6b*
	9.0	12.0	0	1	1	28	70	38	16	23	A-6b

STATION & OFFSET	DEPTH FROM	DEPTH TO	% AGG.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	% W.C.	SHTL CLASS.
RAMP N											
115+00 95'Rt	0.5	5.0	2	3	27	37	31	26	8	23	A-4a
	5.0	10.0	1	1	5	39	54	33	15	22	A-6a
118+93 106'Rt	0.5	4.0	0	1	5	33	61	42	18	25	A-7-6
123+00 BL	0.5	4.0	0	1	9	42	48	44	23	27	A-7-6
FRONTAGE ROAD											
5+50 CL	0.5	5.0	0	1	6	52	41	35	19	26	A-6b
	5.0	11.0	0	1	1	34	64	36	18	20	A-6b
	11.0	16.0	0	0	2	45	53	27	12	17	A-6a
	16.0	21.0	8	4	7	32	49	25	11	20	A-6a
	21.0	25.0	0	0	1	24	75	39	19	25	A-6b
	25.0	30.0	0	0	0	18	82	35	16	26	A-6b
8+50 CL	0.5	5.0	0	1	3	25	71	51	30	25	A-7-6
	5.0	8.0	0	0	3	36	61	38	18	27	A-6b
	8.0	13.0	5	4	9	35	47	32	15	28	A-6a
	13.0	15.0	20	9	17	36	18	18	5	10	A-4a
	15.0	20.0	0	1	2	24	73	40	19	23	A-6b
14+00 CL	0.5	3.0	0	0	2	26	72	53	27	32	A-7-6
	3.0	6.0	0	1	2	28	69	49	24	38	A-7-6
17+00 CL	0.5	5.5	0	1	4	31	64	52	25	38	A-7-6
RAMP L											
119+50 10'Lt	0.0	3.0	0	1	9	55	35	37	14	29	A-6a
	3.0	6.0	0	0	3	39	58	32	12	22	A-6a
	6.0	8.0	3	5	18	43	31	31	15	25	A-6a
	8.0	12.0	0	2	3	24	71	37	17	23	A-6b
122+93 250'Lt	0.5	5.0	0	1	2	40	57	35	18	18	A-6b
	5.0	10.0	0	1	1	41	57	29	13	17	A-6a
125+20 BL	0.0	4.0	0	0	23	49	28	33	12	27	A-6a
	4.0	7.0	0	0	9	56	35	33	14	27	A-6a
	7.0	9.0	3	5	16	46	30	31	12	33	A-6a
	9.0	12.0	5	6	9	40	40	24	11	18	A-6a
129+40 20'Rt	0.0	2.0	0	2	7	42	49	46	20	25	A-7-6
	2.0	7.0	0	4	16	38	42	45	24	22	A-7-6
	7.0	11.0	0	0	0	26	74	44	22	23	A-7-6
	11.0	14.0	0	0	0	29	71	41	18	24	A-7-6
	14.0	18.5	13	9	16	36	26	21	8	14	A-4a
RAMP M											
119+50 BL	0.0	2.0	0	1	7	50	42	41	18	26	A-7-6
	2.0	6.0	0	1	12	52	35	36	16	28	A-6b
	6.0	9.0	39	32	13	13	3	18	5	14	A-1-b
	9.0	12.0	7	12	6	24	51	37	17	24	A-6b
124+00 BL	0.0	2.0	0	1	5	55	39	48	21	30	A-7-6
	2.0	6.0	0	1	11	53	35	38	18	25	A-6b
	6.0	9.0	0	1	23	44	32	30	14	29	A-6a
	9.0	15.0	0	2	3	25	70	37	16	24	A-6b
127+30 120'Lt	0.5	6.0	0	1	2	31	66	43	23	20	A-7-6
	6.0	12.0	0	0	0	32	68	39	21	23	A-6b
	12.0	15.0	3	4	3	24	66	40	20	24	A-6b
RELOCATED YANKEE STREET											
26+00 12'Lt	0.0	3.5	13	6	11	34	36	32	14	19	A-6a*
30+00 CL	0.6	3.5	0	1	3	26	70	48	24	24	A-7-6*
32+50 CL	0.6	4.0	0	0	4	22	74	53	24	28	A-7-6
36+00 CL	0.5	5.0	0	1	2	41	56	35	16	17	A-6b*
	5.0	10.0	0	1	1	30	68	38	18	21	A-6b*
	10.0	15.0	0	1	1	45	53	31	12	21	A-6a
39+50 CL	1.0	5.0	0	0	1	36	63	46	26	21	A-7-6
	5.0	9.0	4	1	1	32	62	40	19	19	A-6b
	9.0	12.0	15	6	23	27	29	22	8	19	A-4a

STATION & OFFSET	DEPTH FROM	DEPTH TO	% AGG.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	% W.C.	SHTL CLASS.
44+00 CL	0.5	5.0	0	1	5	50	44	36	16	22	A-6b
	5.0	7.0	0	1	8	50	41	33	14	25	A-6a
	7.0	11.0	0	1	3	45	51	37	16	25	A-6b
	11.0	15.0	0	0	1	26	73	40	26	25	A-6b
52+50 CL	0.5	4.0	0	1	13	33	53	42	19	26	A-7-6
	4.0	7.0	0	1	5	27	67	43	20	26	A-7-6
	7.0	11.0	8	6	12	38	36	27	12	21	A-6a
	11.0	12.0	0	0	2	86	12	NP	NP	23	A-4b
	12.0	17.0	0	0	2	72	26	20	4	21	A-4b
	17.0	22.0	0	0	1	30	69	38	18	25	A-6b
56+00 45'Rt	0.6	3.5	10	7	20	29	34	30	11	22	A-6a
RAMP J											
142+50 BL	0.5	6.0	0	1	11	37	51	43	23	27	A-7-6
	6.0	11.0	5	5	12	41	37	29	13	22	A-6a
	11.0	16.0	0	1	19	50	30	22	8	20	A-4b
	16.0	20.0	0	0	0	33	67	39	19	22	A-6b
	20.0	25.0	0	0	1	27	72	39	17	25	A-6b
146+75 BL	0.5	3.0	0	1	6	26	67	54	28	33	A-7-6
	3.0	5.0	0	1	6	31	62	52	27	39	A-7-6
151+50 96'Rt	0.5	5.0	17	9	18	34	22	27	13	13	A-6a
	5.0	10.0	22	10	19	31	18	18	6	12	A-4a
155+00 78'Rt	0.5	6.0	16	8	16	31	29	28	13	13	A-6a
	6.0	11.0	14	9	17	36	24	34	21	13	A-6b
	11.0	14.0	8	6	12	38	36	26	13	12	A-6a
RAMP K											
143+75 BL	0.5	3.0	0	1	6	33	60	48	24	27	A-7-6
147+65 157'Lt	0.5	5.0	9	2	8	30	51	45	22	31	A-7-6
	5.0	10.0	10	7	15	48	20	19	5	11	A-4a
	10.0	15.0	6	4	8	31	51	30	11	22	A-6a
MC EWEN ROAD											
9+00 3'Rt	0.0	3.0	15	1	3	47	34	41	18	25	A-7-6
	3.0	6.0	1	1	19	47	32	33	16	26	A-6b
	6.0	10.0	28	11	19	29	13	20	8	12	A-4a
15+00 20'Rt	0.0	4.0	0	2	10	48	40	43	22	22	A-7-6
	4.0	6.0	0	1	6	50	43	43	23	25	A-7-6
	6.0	9.0	0	3	13	46	38	41	23	27	A-7-6
	9.0	13.0	1	1	55	32	11	NP	NP	20	A-4a
	13.0	15.0	7	7	13	35	38	29	13	16	A-6a
16+20 18'Rt	0.0	4.0	0	0	8	56	36	44	20	26	A-7-6
	4.0	6.0	0	1	20	49	30	34	17	22	A-6b
	6.0	9.0	0	0	5	32	63	40	19	33	A-6b
	9.0	14.0	0	0	65	28	7	NP	NP	23	A-3a
	14.0	15.0	6	3	18	37	36	29	12	23	A-6a
25+00 12'Rt	0.0	6.0	2	4	10	43	41	30	13	14	A-6a*
	6.0	10.0	5	4	6	38	47	32	16	17	A-6b

DRIVE SAMPLE SOIL TEST DATA

STATION & OFFSET	DEPTH FROM	DEPTH TO	% AGG.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	% W.C.	SHTL CLASS.
RAMP S											
41+16 41'Lt	2.5	3.5	32	14	19	22	13	NP	NP	11	A-2-4
	5.0	6.0	26	58	11	-	5 -	NP	NP	23	A-1-b
	7.5	8.5	15	10	18	37	20	17	4	12	A-4a
	10.0	11.0	19	11	16	32	22	19	5	12	A-4a
	12.5	13.5	19	11	19	32	19	16	4	11	A-4a
	15.0	16.0	17	11	21	31	20	16	4	9	A-4a
	17.5	18.5	18	10	15	30	27	20	6	13	A-4a
	20.0	21.0	22	10	15	33	20	17	4	10	A-4a
	25.0	26.0	30	10	15	27	18	17	5	15	A-4a
	30.0	31.0	19	10	15	26	30	21	8	13	A-4a

SOIL PROFILE
MONTGOMERY COUNTY
MOT-675-0.00-SUPPL.
OHIO STATE HIGHWAY TESTING LABORATORY
1600 W. BROAD ST. COLUMBUS, OHIO 43228
3/18

SUMMARY OF DRIVE SAMPLE SOIL TEST DATA

NOTE: NP SHOWN IN LIQUID LIMIT AND PLASTICITY INDEX COLUMNS INDICATES THAT THE MATERIAL IS NON-PLASTIC.
*DENOTES SAMPLE TAKEN AT OR NEAR GRADE.

STATION & OFFSET	DEPTH FROM	TO	% AGG.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	% W.C.	SHTL CLASS.
45+06 06'Rt	2.5	3.5	16	11	20	38	15	19	5	14	A-4a
	5.0	6.0	29	20	14	28	9	17	4	15	A-4a
	7.5	8.5	36	9	17	28	10	18	4	15	A-4a
	10.0	11.0	57	15	12	14	2	NP	NP	10	A-1-b
	15.0	16.0	17	10	18	39	16	17	5	10	A-4a
	17.5	18.5	20	9	17	37	17	16	5	14	A-4a
	20.0	21.0	10	13	39	29	9	NP	NP	22	A-4a
	25.0	26.0	34	23	16	19	8	15	3	12	A-2-4
					RAMP V						
50+39 30'Lt	2.5	3.5	8	6	15	34	37	39	19	33	A-6b
	5.0	6.0	20	9	13	31	27	20	5	12	A-4a
	12.5	13.5	21	10	14	27	28	23	8	14	A-4a
	15.0	16.0	12	11	17	31	29	22	9	12	A-4a
	20.0	21.0	13	9	14	28	36	28	12	14	A-6a
	25.0	26.0	0	1	4	65	30	27	8	22	A-4b
	30.0	30.2	29	8	7	26	30	27	10	15	A-4a
52+63 30'Lt	2.5	3.5	34	28	21	12	5	NP	NP	14	A-1-b
	5.0	6.0	43	28	20	-	9 -	NP	NP	15	A-1-b
	10.0	11.0	24	8	12	31	25	19	6	11	A-4a
	15.0	16.0	48	6	9	16	21	22	8	11	A-4a
	20.0	21.0	40	8	12	20	20	23	8	13	A-4a
	25.0	26.0	42	9	6	25	18	25	7	30	A-4a
					RAMP U						
39+20 12'Lt	5.0	6.0	18	12	20	34	16	NP	NP	12	A-4a
	7.5	8.5	15	10	20	33	22	21	6	13	A-4a
	10.0	11.0	15	10	18	34	23	19	5	13	A-4a
	12.5	13.5	15	12	20	35	18	17	4	13	A-4a
	15.0	16.0	16	11	17	33	23	17	5	11	A-4a
	17.5	18.5	9	9	16	35	31	18	5	11	A-4a
	20.0	21.0	26	10	19	26	19	17	4	11	A-4a
	25.0	26.0	15	9	16	37	23	18	5	13	A-4a
	30.0	31.0	39	11	16	27	7	NP	NP	12	A-2-4
	35.0	36.0	(9	9	11	39	32	21	7	11)	
				GRAY	CLAY	SHALE					VISUAL
42+00 9'Lt	2.5	3.5	32	4	12	26	26	36	18	18	A-6b
	5.0	6.0	0	1	6	51	42	41	19	25	A-7-6
	7.5	8.5	7	4	20	28	41	37	18	23	A-6b
	10.0	11.0	40	10	15	21	14	20	7	20	A-2-4
	12.5	13.5	37	15	17	24	7	NP	NP	9	A-2-4
	15.0	16.0	64	13	9	-	14 -	NP	NP	10	A-1-a
	20.0	21.0	23	10	17	32	18	18	5	9	A-4a
	25.0	26.0	17	9	16	35	23	18	5	13	A-4a
	30.0	31.0	14	10	6	45	25	20	7	19	A-4a
	35.0	36.0	74	13	5	-	8 -	NP	NP	7	A-1-a
43+92 25'Rt	2.5	3.5	21	7	18	27	27	29	13	27	A-6a
	5.0	6.0	17	13	21	33	16	17	6	12	A-4a
	7.5	8.5	33	25	18	19	5	NP	NP	16	A-1-b
	10.0	11.0	61	27	7	-	5 -	NP	NP	10	A-1-a
	15.0	16.0	55	24	15	-	6 -	NP	NP	12	A-1-a
	17.5	18.5	27	10	16	30	17	18	6	10	A-4a
	20.0	21.0	0	1	3	82	14	NP	NP	20	A-4b
	25.0	26.0	28	8	9	28	27	21	7	14	A-4a
51+38 24'Rt	2.5	3.5	9	6	17	40	28	26	8	26	A-4a
	5.0	6.0	42	17	21	14	6	NP	NP	14	A-1-b
	7.5	8.5	74	16	5	-	5 -	NP	NP	12	A-1-a
	10.0	11.0	52	15	11	15	7	NP	NP	8	A-1-b
	15.0	16.0	7	8	12	38	35	19	6	11	A-4a
	20.0	20.6	18	5	4	15	58	35	15	21	A-6a
	25.0	25.5	(6	8	11	28	47	26	11	12)	
				GRAY	WEATHERED	CLAY	SHALE				VISUAL
53+85 4'Lt	2.5	3.5	24	26	29	13	8	NP	NP	16	A-1-b
	5.0	6.0	44	23	19	10	4	NP	NP	12	A-1-b
	10.0	11.0	22	10	15	28	25	21	6	12	A-4a
	15.0	16.0	26	8	14	28	24	22	9	11	A-4a
	20.0	21.0	11	9	8	41	31	49	24	21	A-7-6
					RAMP Y						
55+92 78'Lt	5.0	6.0	4	18	33	31	14	NP	NP	16	A-4a
	7.5	8.5	28	9	23	23	17	14	1	14	A-4a
	10.0	11.0	37	11	18	19	15	16	2	10	A-2-4
	12.5	13.5	GRAY	GRAVELLY	SAND			-	-	15	VISUAL
	15.0	15.5	36	13	14	22	15	16	4	10	A-4a
	17.5	18.5	32	9	12	24	23	20	6	11	A-4a
	20.0	21.0	0	1	10	73	16	NP	NP	19	A-4b
	22.5	23.5	10	5	20	34	31	26	9	15	A-4a

STATION & OFFSET	DEPTH FROM	TO	% AGG.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	% W.C.	SHTL CLASS.
					LYONS ROAD						
18+24 8'Rt	2.5	3.5	10	5	16	32	37	30	14	22	A-6a
	5.0	6.0	0	1	11	70	18	NP	NP	18	A-4b
	7.5	8.5	0	1	3	53	43	23	7	23	A-4b
	10.0	11.0	0	0	25	71	4	NP	NP	19	A-4b
	12.5	13.5	0	0	11	82	7	NP	NP	25	A-4b
	15.0	16.0	0	0	0	63	37	19	4	19	A-4b
	17.5	18.5	0	0	1	80	19	NP	NP	24	A-4b
	20.0	21.0	0	0	0	42	58	26	11	23	A-6a
	25.0	26.0	0	1	1	41	57	39	22	24	A-6b
	30.0	31.0	47	25	11	10	7	NP	NP	10	A-1-b
	35.0	36.0	26	9	13	27	25	19	5	10	A-4a
	45.0	46.0	20	14	23	31	12	NP	NP	10	A-4a
	50.0	51.0	17	19	29	20	15	NP	NP	13	A-2-4
21+83 CL	2.5	3.5	4	6	19	45	26	21	5	25	A-4a
	5.0	6.0	0	1	2	54	43	24	6	17	A-4b
	7.5	8.5	0	1	25	62	12	NP	NP	23	A-4b
	10.0	11.0	0	0	3	84	13	NP	NP	21	A-4b
	12.5	13.5	0	0	7	84	9	NP	NP	24	A-4b
	15.0	16.0	0	0	18	74	8	NP	NP	23	A-4b
	17.5	18.5	0	0	2	88	10	NP	NP	23	A-4b
	20.0	21.0	0	0	0	56	44	23	6	19	A-4b
	25.0	26.0	0	1	1	50	48	28	8	31	A-4b
	30.0	31.0	24	8	11	27	30	24	7	15	A-4a
	35.0	36.0	26	8	12	27	27	23	7	12	A-4a
	40.0	41.0	14	11	14	29	32	23	7	12	A-4a
	45.0	46.0	3	1	37	54	5	NP	NP	21	A-4b
					LYONS ROAD EXTENSION						
20+74 22'Lt	2.5	3.5	0	7	0	54	39	41	19	25	A-7-6
	5.0	6.0	9	4	7	55	25	31	14	17	A-6a
	7.5	8.5	7	3	6	56	28	28	12	16	A-6a
	10.0	11.0	BROWN	SILT	AND	CLAY		-	-	10	VISUAL
	12.5	13.5	8	9	17	35	31	22	8	11	A-4a
	15.0	16.0	10	8	17	34	31	21	8	13	A-4a
	17.5	18.5	9	8	16	38	29	20	6	12	A-4a
	20.0	21.0	23	10	16	31	20	19	8	11	A-4a
	25.0	26.0	0	1	0	22	77	37	16	22	A-6b
	30.0	31.0	8	5	16	35	36	23	7	24	A-4a
					SR 725						
847+92 45'Rt	2.5	3.5	0	1	1	41	57	34	16	18	A-6b
	5.0	6.0	4	0	2	45	49	32	15	16	A-6a
	7.5	8.5	0	0	0	34	66	38	18	20	A-6b
	10.0	11.0	7	0	1	31	61	28	10	20	A-4a
	12.5	13.5	14	12	15	17	42	26	14	28	A-6a
	15.0	16.0	0	1	1	23	75	36	14	23	A-6a
	17.5	18.5	0	1	0	26	73	37	16	23	A-6b
	20.0	21.0	0	0	0	32	68	34	13	26	A-6a
	25.0	26.0	0	0	0	31	69	35	14	28	A-6a
	30.0	31.0	0	0	0	32	68	34	13	30	A-6a
	35.0	36.0	0	1	1	33	65	36	14	28	A-6a
	40.0	41.0	51	24	12	-	13 -	NP	NP	10	A-1-a
	45.0	46.0	74	4	1	15	6	19	6	10	A-1-b
851+03 25'Lt	2.5	3.5	25	8	8	30	29	35	16	20	A-6b
	5.0	6.0	7	4	3	38	48	41	21	32	A-7-6
	7.5	8.5	2	0	2	59	37	40	22	23	A-6b
	10.0	11.0	9	5	17	35	34	19	6	29	A-4a
	12.5	13.5	7	21	35	11	26	15	5	25	A-4a
	15.0	16.0	0	1	1	28	70	35	16	24	A-6b
	17.5	18.5	4	1	1	26	68	36	16	24	A-6b
	20.0	21.0	0	1	2	25	72	39	19	26	A-6b
	25.0	26.0	0	1	1	25	73	34	14	25	A-6a
	30.0	31.0	0	1	1	37	61	31	14	21	A-6a
	35.0	36.0	0	2	6	70	22	19	2	20	A-4b
	40.0	41.0	31	9	16	30	14	16	2	13	A-4a
	45.0	46.0	51	22	7	10	10	19	6	9	A-1-b
854+97 40'Rt	5.0	6.0	13	19	27	25	16	36	11	76	A-6a
	7.5	8.5	4	1	1	28	66	39	16	27	A-6b
	10.0	11.0	0	2	2	41	55	34	13	28	A-6a
	15.0	16.0	13	5	6	41	35	23	6	17	A-4a
	17.5	18.5	28	3	4	40	25	23	7	14	A-4a
	20.0	20.8	56	8	7	15	14	22	10	11	A-2-4
	25.0	26.0	-	-	-	-	-	25	9	15	A-2-4
	30.0	31.0	52	13	12	12	11	17	4	7	A-1-b
	35.0	36.0	0	12	77	-	11 -	NP	NP	32	A-3a

STATION & OFFSET	DEPTH FROM	TO	% AGG.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	% W.C.	SHTL CLASS.
856+70 34'Lt	2.5	3.5	-	-	-	-	-	38	20	7	A-6b
	5.0	6.0	0	1	8	36	55	43	24	29	A-7-6
	7.5	8.5	0	5	17	26	52	28	13	26	A-6a
	10.0	11.0	12	1	5	34	48	28	11	15	A-6a
	12.5	13.5	9	7	12	36	36	24	8	16	A-4a
	15.0	16.0	5	6	10	40	39	24	8	15	A-4a
	17.5	18.5	10	3	7	43	37	24	8	14	A-4a
	20.0	21.0	22	8	11	31	28	22	8	13	A-4a
	22.5	23.5	16	7	10	27	40	26	9	24	A-4a
	25.0	26.0	10	3	2	18	67	36	14	26	A-6a
	30.0	31.0	7	10	23	34	26	16	3	12	A-4a
	35.0	36.0	10	7	11	24	48	27	10	13	A-4a
	40.0	41.0	19	7	15	23	36	26	8	15	A-4a
					RELOCATED	YANKEE	STREET				
46+44 35'Rt	2.5	3.5	3	5	18	39	35	30	15	32	A-6a
	5.0	6.0	4	3	7	40	46	34	17	27	A-6b
	7.5	8.5	0	0	1	34	65	38	19	21	A-6b
	10.0	11.0	5	0	0	31	64	36	18	20	A-6b
	12.5	13.5	0	1	7	23	69	35	17	20	A-6b
	15.0	16.0	0	1	1	31	67	37	17	23	A-6b
	17.5	18.5	0	0	0	28	72	37	17	24	A-6b
	20.0	21.0	0	2	1	24	73	40	21	29	A-6b
	25.0	26.0	5	3	7	50	35	23	8	15	A-4b
	30.0	31.0	19	8	14	32	27	21	9	12	A-4a
	35.0	36.0	19	8	14	31	28	21	7	11	A-4a
	40.0	41.0	12	10	15	33	30	20	7	12	A-4a
	45.0	46.0	12	6	11	33	38	24	11	15	A-6a
	50.0	51.0	0	0	0	25	75	36	16	22	A-6b
	55.0	56.0	70	17	6	-	7 -	NP	NP	16	A-1-a
	60.0	61.0	14	3	2	20	61	38	18	26	A-6b
	65.0	66.0	4	0	0	17	79	47	24	33	A-7-6
	70.0	71.0	0	0	0	23	77	45	24	30	A-7-6
	75.0	76.0	0	1	1	32	66	39	20	25	A-6b
	80.0	81.0	0	0	1	12	87	49	25	32	A-7-6
	85.0	86.0	0	0	1	25	74	39	20	25	A-6b
	90.0	91.0	0	0	0	32	68	40	19	24	A-6b
	95.0	96.0	0	2	4	31	63	35	17	28	A-6b
	100.0	101.0	0	0	0	20	80	34	12	31	A-6a
49+05 35'Lt	2.5	3.5	5	2	6	52	35	33	16	23	A-6b
	5.0	6.0	11	7	13	33	36	26	12	26	A-6a
	7.5	8.5	16	4	9	32	39	26	10	17	A-4a
	10.0	11.0	-	-	-	-	-	32	14	25	A-6a
	12.5	13.5	0	1	1	26	72	41	20	27	A-7-6
	15.0	16.0	0	0	0	35	65	37	19	27	A-6b
	17.5	18.5	0	0	0	33	67	37	17	28	A-6b
	20.0	21.0	0	0	0	28	72	37	18	28	A-6b
	25.0	26.0	0	0	0	29	71	40	21	31	A-6b
	30.0	31.0	4	3	7	51	35	22	9	14	A-4b
	35.0	36.0	39	8	9	21	23	20	8	11	A-4a
	40.0	41.0	21	9	14	33	23	20	8	11	A-4a
	45.0	46.0	7	6	5	39	43	28	11	21	A-6a
	50.0	51.0	52	26	13	-	9 -	NP	NP	11	A-1-a
	55.0	56.0	24	8	15	29	24	21	9	12	A-4a
	60.0	61.0	0	1	1	45	53	30	13	23	A-6a
	65.0	66.0	0	1	2	46	51	32	12	26	A-6a
	70.0	71.0	4	3	8	35	50	34	15	17	A-6a
	75.0	76.0	2	3	6	36	53	34	17	17	A-6b
	80.0	81.0	5	4	6	33	52	31	13	17	A-6a
	85.0	86.0	3	4	6	37	50	32	15	18	A-6a
	90.0	91.0	0	1	1	49	49	29	13	20	A-6a
	95.0	96.0	0	1	1	48	50	30	12	16	A-6a
50+89 35'Rt	2.5	3.5	10	2	7	40	41	37	19	26	A-6b
	5.0	6.0	0	1	3	35	61	37	18	27	A-6b
	7.5	8.5	0	1	13	50	36	18	3	28	A-4b
	10.0	11.0	0	2	15	69	14	NP	NP	20	A-4b
	12.5	13.5	0	0	12	57	31	NP	NP	23	A-4b
	15.0	16.0	0	0	0	34	66	35	16	21	A-6b
	17.5	18.5	0	0	0	23	77	45	20	25	A-7-6
	20.0	21.0	0	0	0	25	75	39	16	26	A-6b
	25.0	26.0	0	0	0	59	41	37	15	28	A-6b
	30.0	31.0	0	0	0	31	69	35	16	27	A-6b
	35.0	36.0	0	0	0	26	74	39	19	29	A-6b
	40.0	41.0	0	0	0	31	69	35	14	28	A-6a
	45.0	46.0	0	0	0	28	72	37	17	28	A-6b
	50.0	51.0	0	0	0	32	68	37	18	29	A-6b
	55.0	56.0	46	6	10	20	18	21	8	12	A-4a
	60.0	61.0	35	8	11	24	22	21	8	11	A-4a
	65.0	66.0	0	1	0	25	74	41	21	21	A-7-6
	70.0	71.0	0	1	1	22	76	41	20	22	A-7-6

STATION & OFFSET	DEPTH FROM	TO	% AGG.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	% W.C.	SHTL CLASS.
					MC EWEN ROAD						
10+89 40'Lt	2.5	3.5	14	3	10	38	35	37	17	34	A-6b
	5.0	6.0	15	6	13	42	24	17	3	13	A-4a
	7.5	8.5	8	2	44	27	19	18	4	23	A-4a
	10.0	11.0	0	3	74	16	7	NP	NP	20	A-3a
	12.5	13.5	14	3	69	7	7	NP	NP	21	A-3a
	15.0	16.0	0	0	78	17	5	NP	NP	23	A-3a
	17.5	18.5	0	1	82	10	7	NP	NP	21	A-3a
	20.0	21.0	9	5	66	14	6	NP	NP	24	A-3a
	25.0	26.0	18	1	59	16	6	NP	NP	25	A-3a
	30.0	31.0	0	0	9	82	9	NP	NP	31	A-3a
	35.0	36.0	65	6	7	10	12	22	9	16	A-4b
12+38 16'Rt	2.5	3.5	3	10	26	34	27	NP	NP	22	A-4a
	5.0	6.0	10	12	26	28	24	27	9	42	A-4a
	7.5	8.5	6	4	19	47	24	17	4	15	A-4a
	10.0	11.0	0	1	51	33	15	NP	NP	25	A-4a
	15.0	16.0	0	1	69	18	12	NP	NP	23	A-3a
	20.0	21.0	8	6	10	30	46	31	13	20	A-4a
18+62 7'Lt	2.5	3.5	4	4	8	41	43	39	17	37	A-6b
	5.0	6.0	2	1	4	46	47	41	21	27	A-7-6
	7.5	8.5	0	1	2	28	69	40	18	24	A-6b
	10.0	11.0	27	11	11	25	26	29	13	13	A-6a
	12.5	13.5	24	12	17	27	20	18	5	11	A-4a
	15.0	16.0	24	10	15	28	23	20	8	11	A-4a
	17.5	18.5	23	7	23	28	19	18	6	13	A-4a
	20.0	21.0	0	1	71	21	7	NP	NP	24	A-3a
	25.0	26.0	3	2	69	17	9	NP	NP	25	A-3a
	30.0	31.0	14	12	42	16	16	NP	NP	22	A-3a
20+86 25'Rt	5.0	6.0	6	4	9	33	48	31	15	17	A-6a
	10.0	11.0	6	4	10	39	41	26	11	17	A-6a
	15.0	16.0	0	1	2	31	66	38	19	21	A-6b
	17.5	18.5	0	1	0	33	66	38	18	23	A-6b
	20.0	21.0	0	1	0	27	72	41	20	26	A-7-6
	22.5	23.5	0	0	0	26	74	44	20	25	A-7-6
	25.0	26.0	22	9	16	32	21	19	1	12	A-4a
	27.5	28.5	27	10	15	29	19	18	5	6	A-4a
	30.0	31.0	19	10	17	30	24	20	8	10	A-4a
	32.5	33.5	26	8	14	29	23	20	7	10	A-4a
	35.0	36.0	12	9	16	36	27	20	4	11	A-4a
	40.0	41.0	0	0	79	15	6	NP	NP	28	A-3a
	45.0	46.0	6	12	55	18	9	NP	NP	19	A-3a

SOIL PROFILE
MONTGOMERY COUNTY
MOT-675-0.00-SUPPL.
OHIO STATE HIGHWAY TESTING LABORATORY
1600 W. BROAD ST. COLUMBUS, OHIO 43223

4/18

Sta. 100+00 Back =
Sta. 2401.86 Ahead

Pasture
Cultivated
Pasture
Cultivated
Cultivated
℄ Ramp S
℄ Survey, IR 75
IR 75 (Southbound Lanes)
IR 75 (Northbound Lanes)
℄ Ramp V

Note: for complete plan view and profile of Ramp V, see sheets 6 and 7.

NOTE: For complete plan-view and profile of Ramp V, see sheets 6 and 7.

℄ TS=0.3'
20
Refusal (Hand auger)

℄ TS=0.3'
26
Refusal (Hand auger)

50' LL
℄ TS=0.5'
24
12
11
13
Refusal

℄ TS=0.5'
23
13
11
13

℄ TS=0.5'
W
17
12
16
13
12

20' LL
℄ TS=0.5'
25
20
5
10

℄ TS=0.5
15
Refusal (Hand auger)

RAMP S

990 980 970 960 950 940 930 920 910

100 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33

SOIL PROFILE
MONTGOMERY COUNTY
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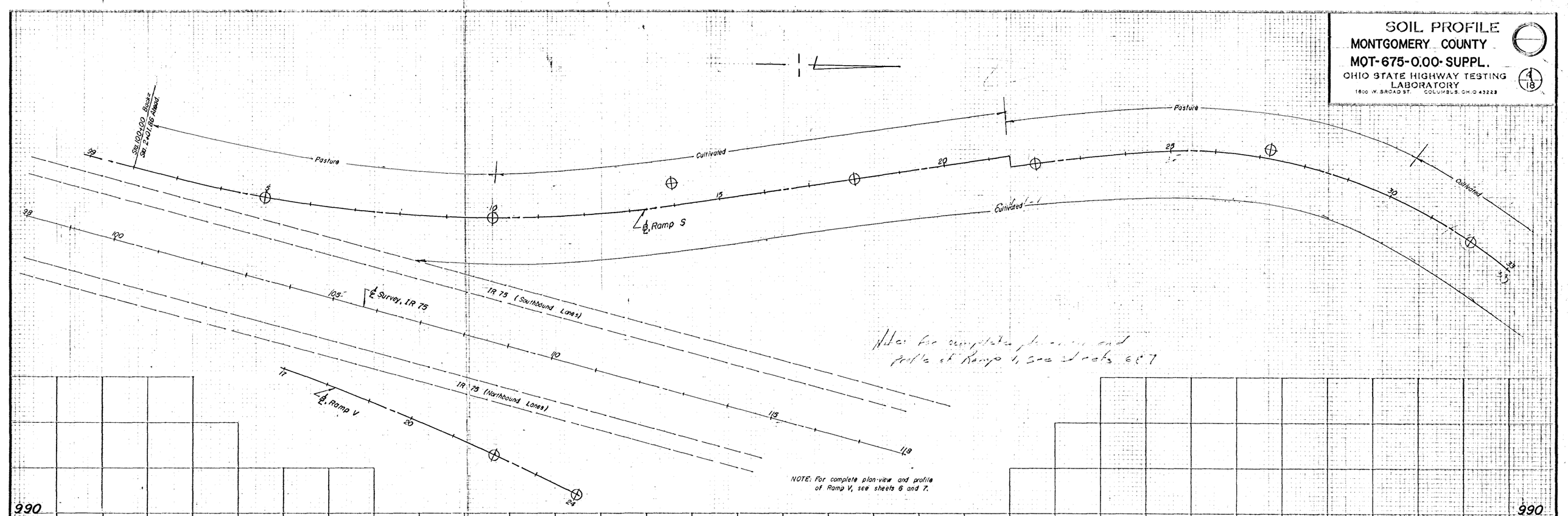
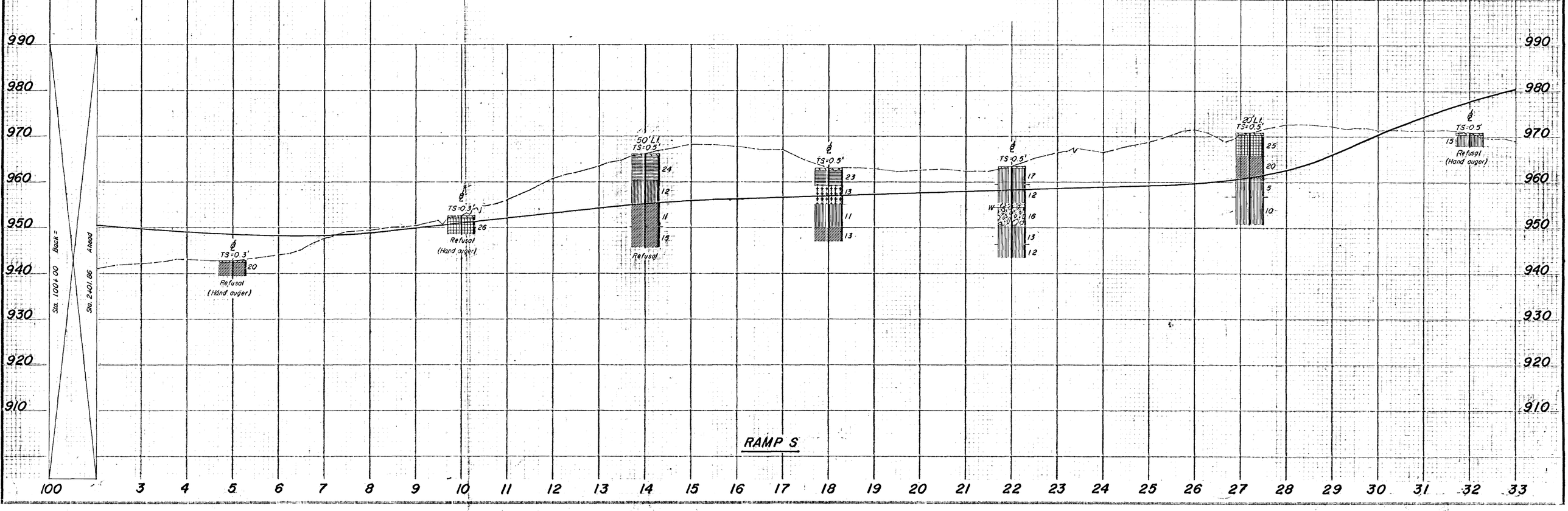
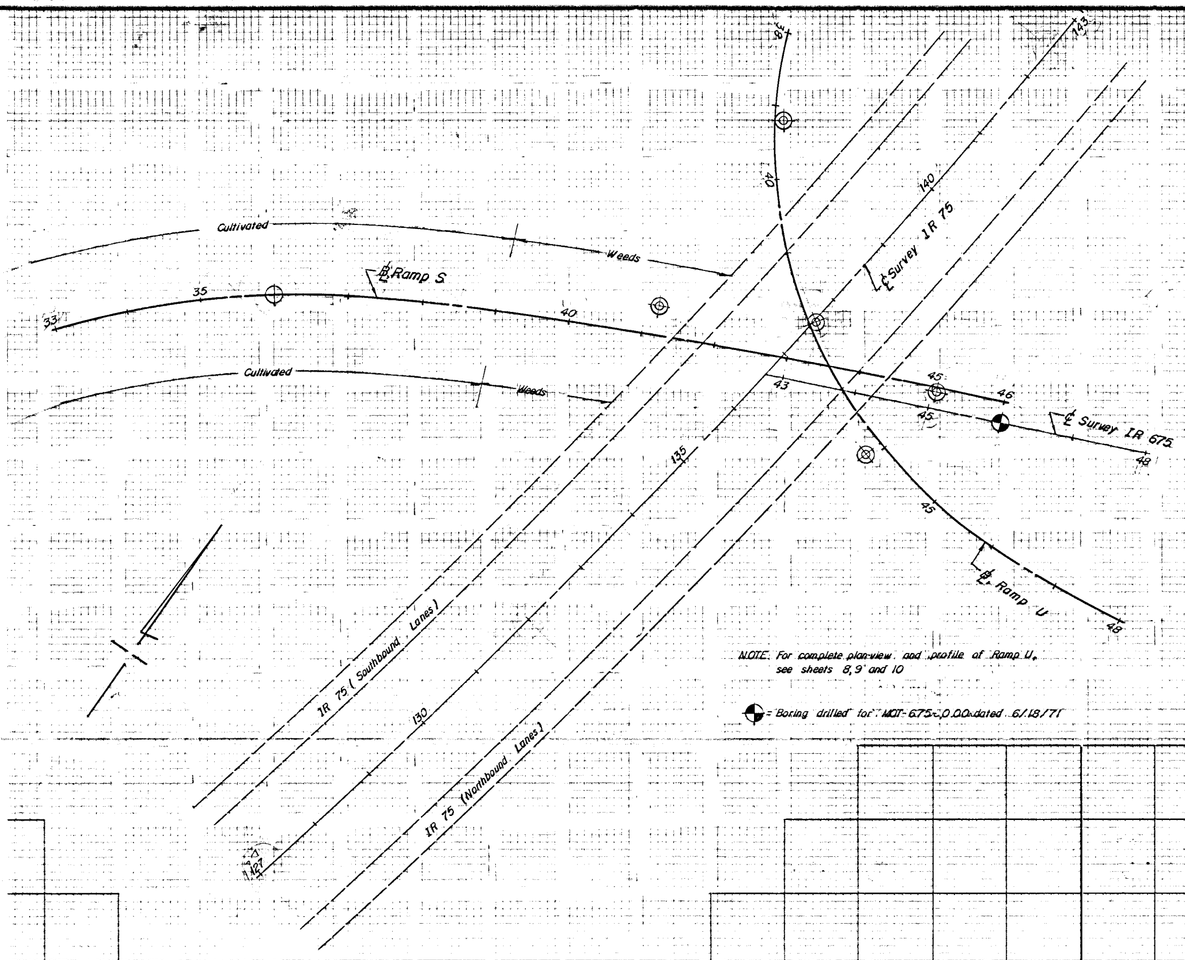
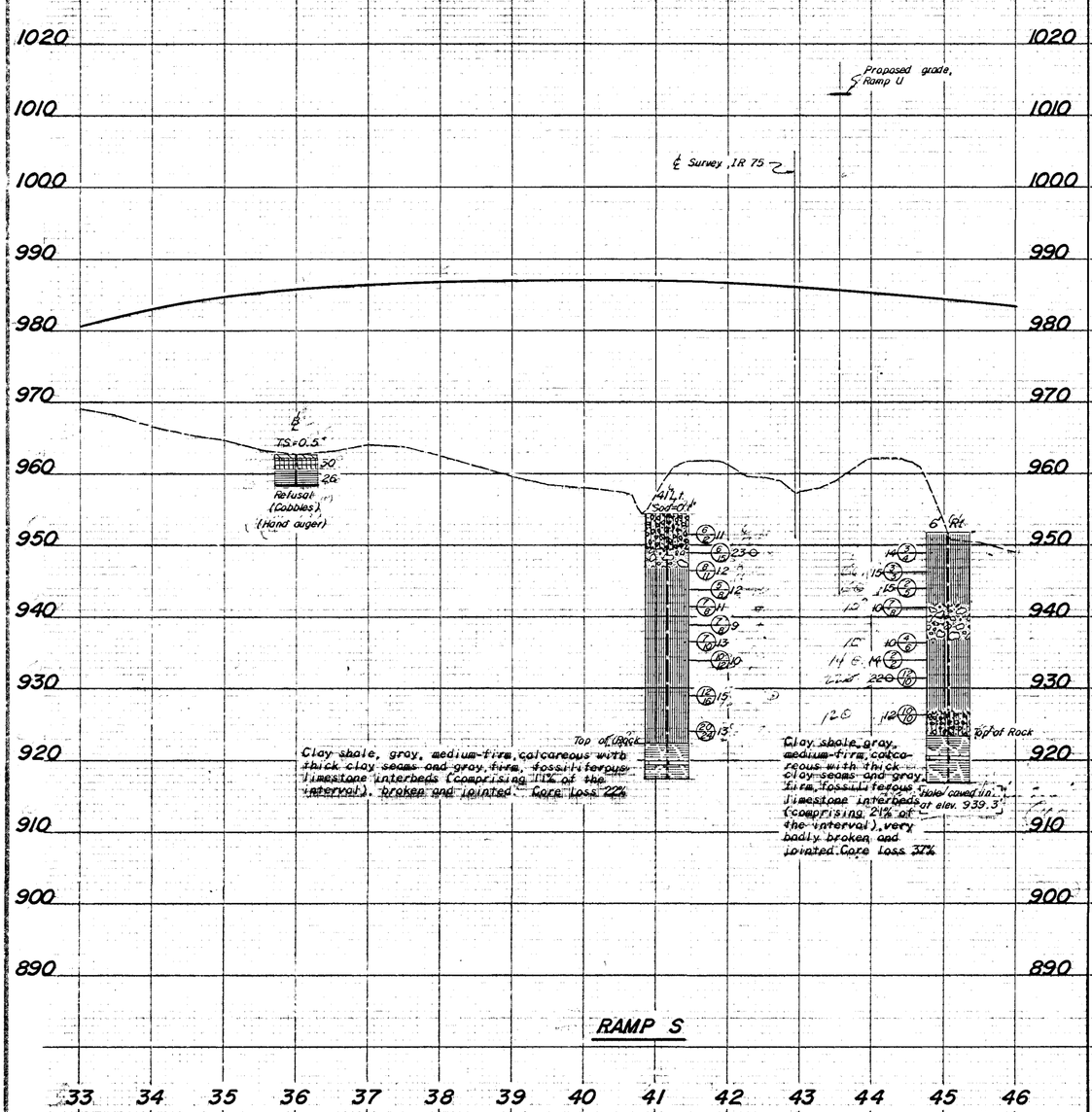
OHIO STATE HIGHWAY TESTING LABORATORY
1600 W. BROAD ST. COLUMBUS, OHIO 43223




990
980
970
960
950
940
930
920
910
Sta. 100+00 Back =
Sta. 240+86 Ahead
℄
TS=0.3'
20
Refusal
(Hand auger)
℄
TS=0.3'
26
Refusal
(Hand auger)
50' L.L.
TS=0.5'
24
12
11
13
Refusal
℄
TS=0.5'
23
13
11
13
℄
TS=0.5'
17
12
W
16
13
12
20' L.L.
TS=0.5'
25
20
5
10
℄
TS=0.5
15
Refusal
(Hand auger)
RAMP S
100
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33





SOIL PROFILE
MONTGOMERY COUNTY
MOT-675-0.00-SUPPL.
OHIO STATE HIGHWAY TESTING LABORATORY
1620 W. BROAD ST. COLUMBUS, OHIO 43223
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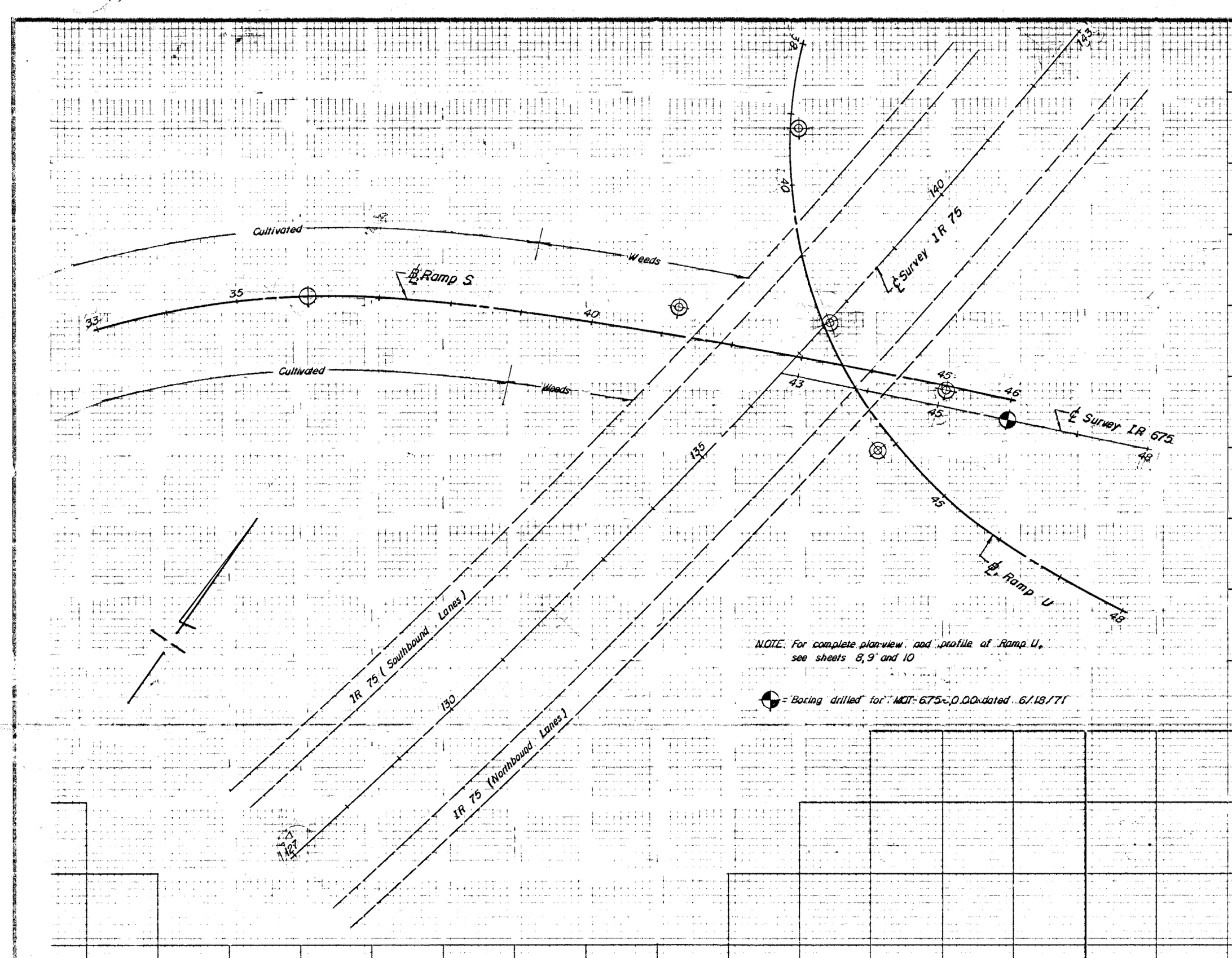
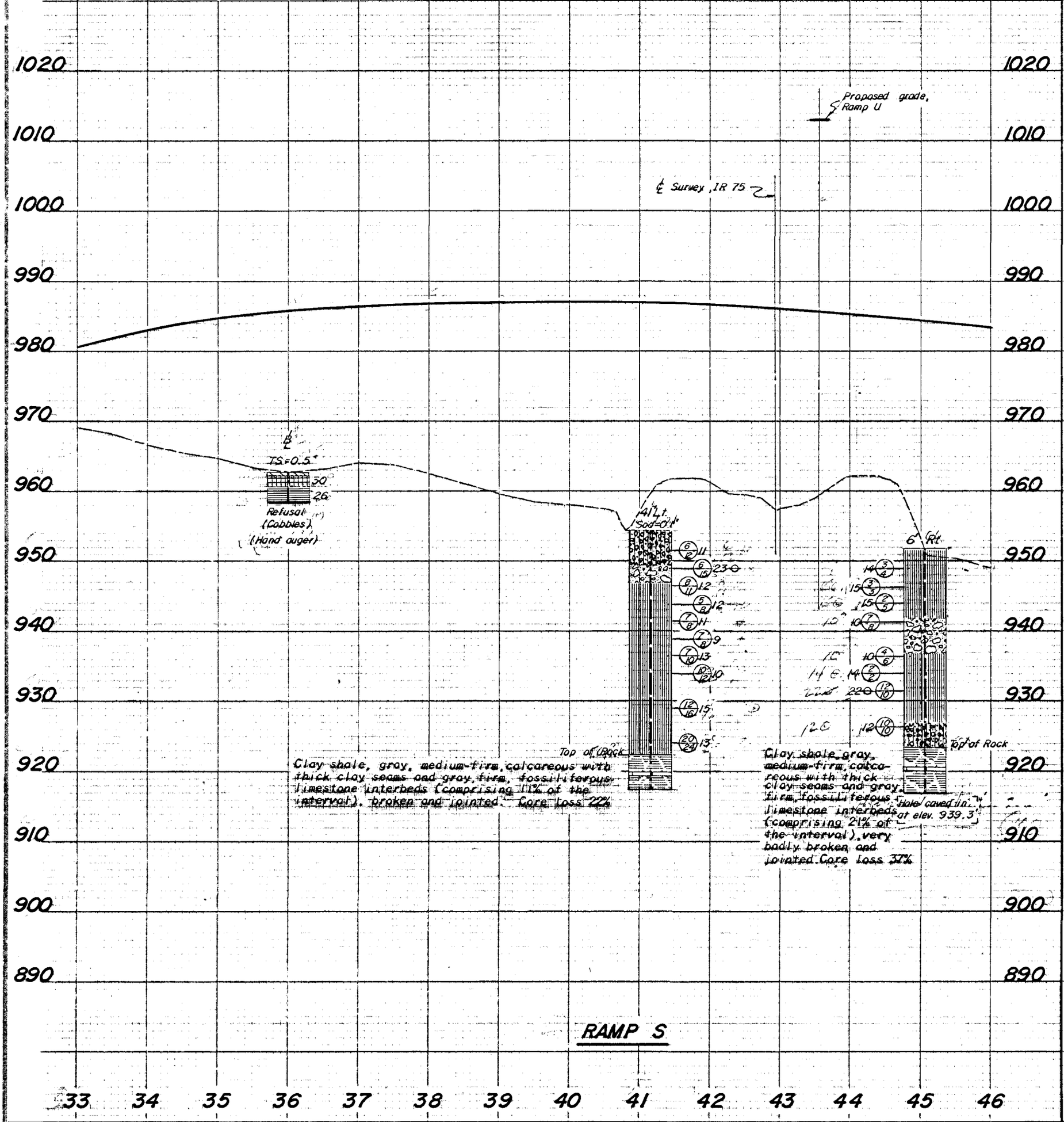

Cultivated
Weeds
℄ Ramp S
℄ Survey IR 75
Cultivated
Weeds
℄ Survey IR 675
℄ Ramp U
IR 75 (Southbound Lanes)
IR 75 (Northbound Lanes)
NOTE. For complete plan-view and profile of Ramp U, see sheets 8, 9 and 10
= Boring drilled for MDT-675-0.00 dated 6/18/71


1020
1010
1000
990
980
970
960
950
940
930
920
910
900
890
Proposed grade, ℄ Ramp U
℄ Survey, IR 75
℄
T.S.=0.5'
50
26
Refusal (Cobbles)
(Hand auger)
41'±Lt.
Sod=0.1'
6' Rt.
Top of Rock
Clay shale, gray, medium-firm, calcareous with thick clay seams and gray, firm, fossiliferous limestone interbeds (comprising 11% of the interval), broken and jointed. Core loss 22%
Top of Rock
Clay shale, gray, medium-firm, calcareous with thick clay seams and gray, firm, fossiliferous limestone interbeds (comprising 21% of the interval), very badly broken and jointed. Core loss 37%
Hole caved in at elev. 939.3'
RAMP S
33
34
35
36
37
38
39
40
41
42
43
44
45
46

SOIL PROFILE

MONTGOMERY COUNTY

MOT-675-0.00- SUPPL.

OHIO STATE HIGHWAY TESTING LABORATORY

1600 W. BROAD ST. COLUMBUS, OHIO 43223

8
18

IR 75 (Southbound Lanes)

℄ Survey IR 75

IR 75 (Northbound Lanes)

104 105 110 113

17 20 25 30 35 40 45 49

℄ Ramp V

Weeds | Wooded | Cultivated

Cultivated | Weeds | Wooded | Cultivated

SR 741

TS=0.5' 24 Refusal (Hand auger)

TS=0.5' 18 Refusal (Cobbles) (Hand auger)

TS=0.5' W 34 22 Refusal (Cobbles) (Hand auger)

TS=0.5' W 28 26 Refusal (Cobbles) (Hand auger)

TS=0.6' W 37 33 Refusal (Cobbles) (Hand auger)

TS=0.5' 27 21 20 Refusal (Boulders)

TS=0.5' 23 18 Refusal (Boulders)

TS=0.6' 27 27 16 16 Refusal (Boulders)

970 960 950 940 930 920 910 900

17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49

RAMP V

SOIL PROFILE

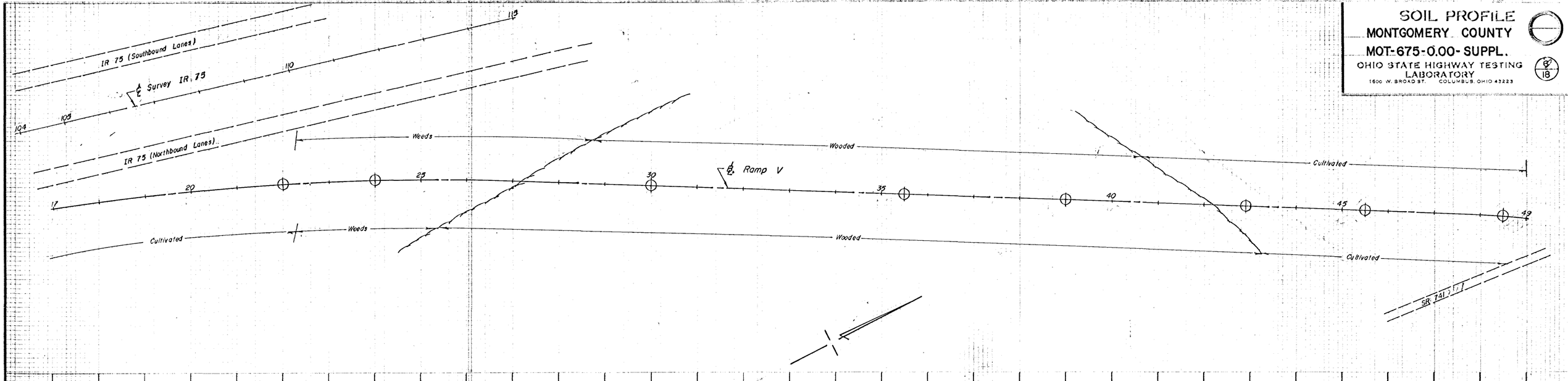
MONTGOMERY COUNTY

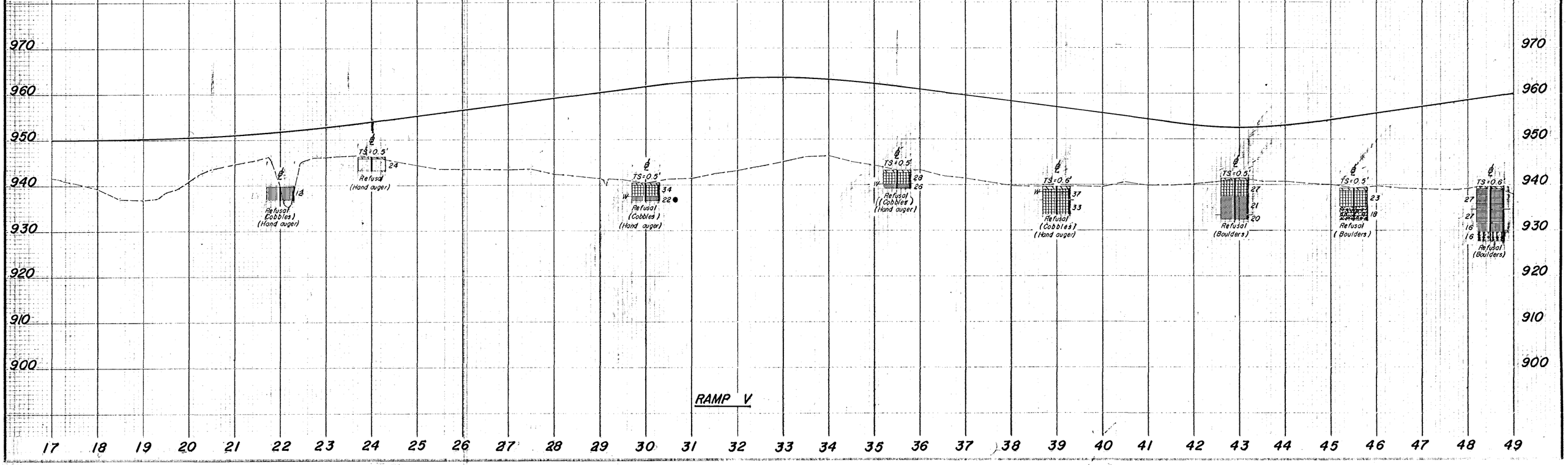
MOT-675-0.00- SUPPL.

OHIO STATE HIGHWAY TESTING LABORATORY

1600 W. BROAD ST. COLUMBUS, OHIO 43223

8
18



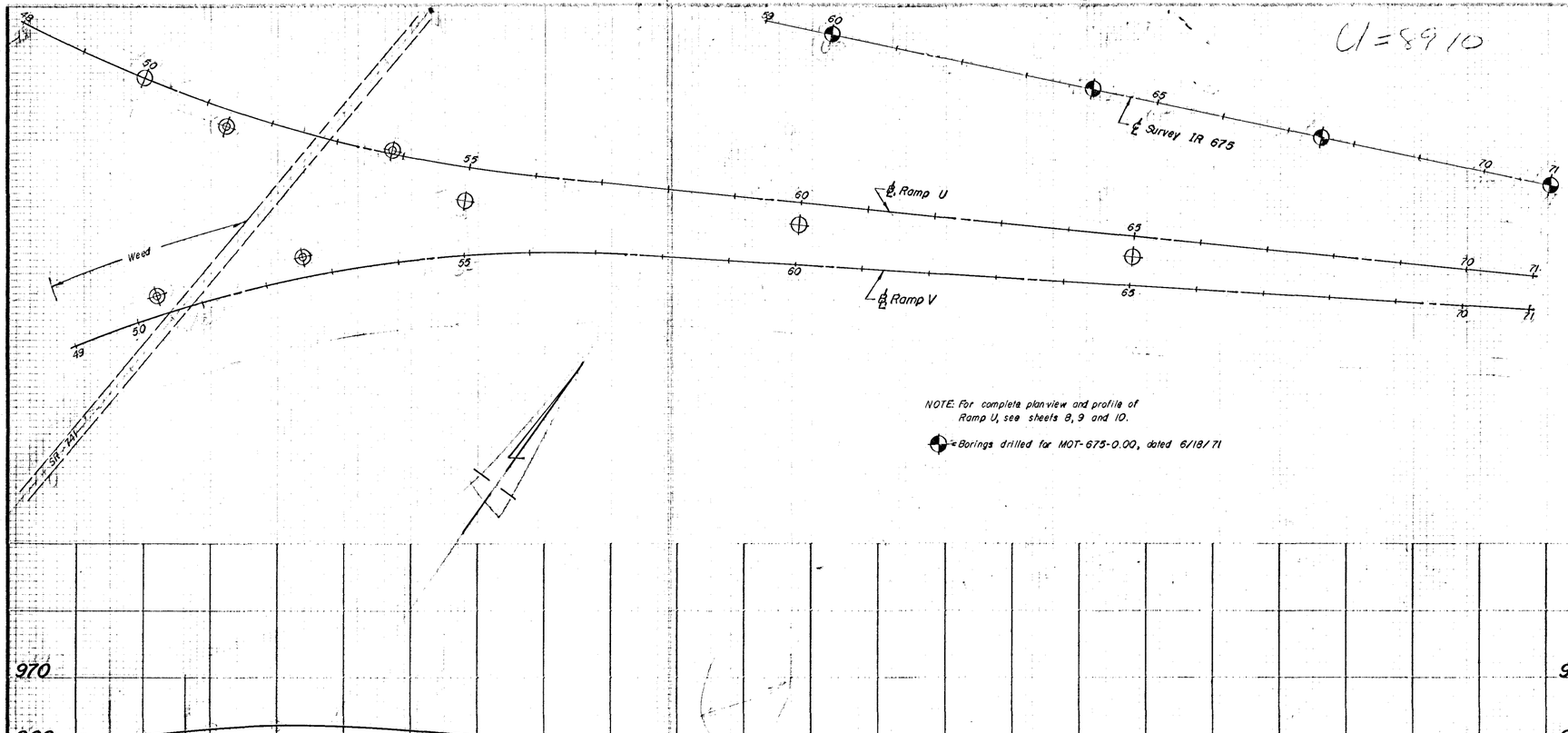

970
960
950
940
930
920
910
900
TS=0.5'
18
Refusal
(Cobbles)
(Hand auger)
TS=0.5'
24
Refusal
(Hand auger)
TS=0.5'
W
34
22
Refusal
(Cobbles)
(Hand auger)
TS=0.5'
W
28
26
Refusal
(Cobbles)
(Hand auger)
TS=0.6'
W
37
33
Refusal
(Cobbles)
(Hand auger)
TS=0.5'
27
21
20
Refusal
(Boulders)
TS=0.5'
23
18
Refusal
(Boulders)
TS=0.6'
27
27
16
16
Refusal
(Boulders)
RAMP V
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49

SOIL PROFILE
MONTGOMERY COUNTY
MOT-675-0.00-SUPPL.

OHIO STATE HIGHWAY TESTING LABORATORY
1600 W. BROAD ST. COLUMBUS, OHIO 43223

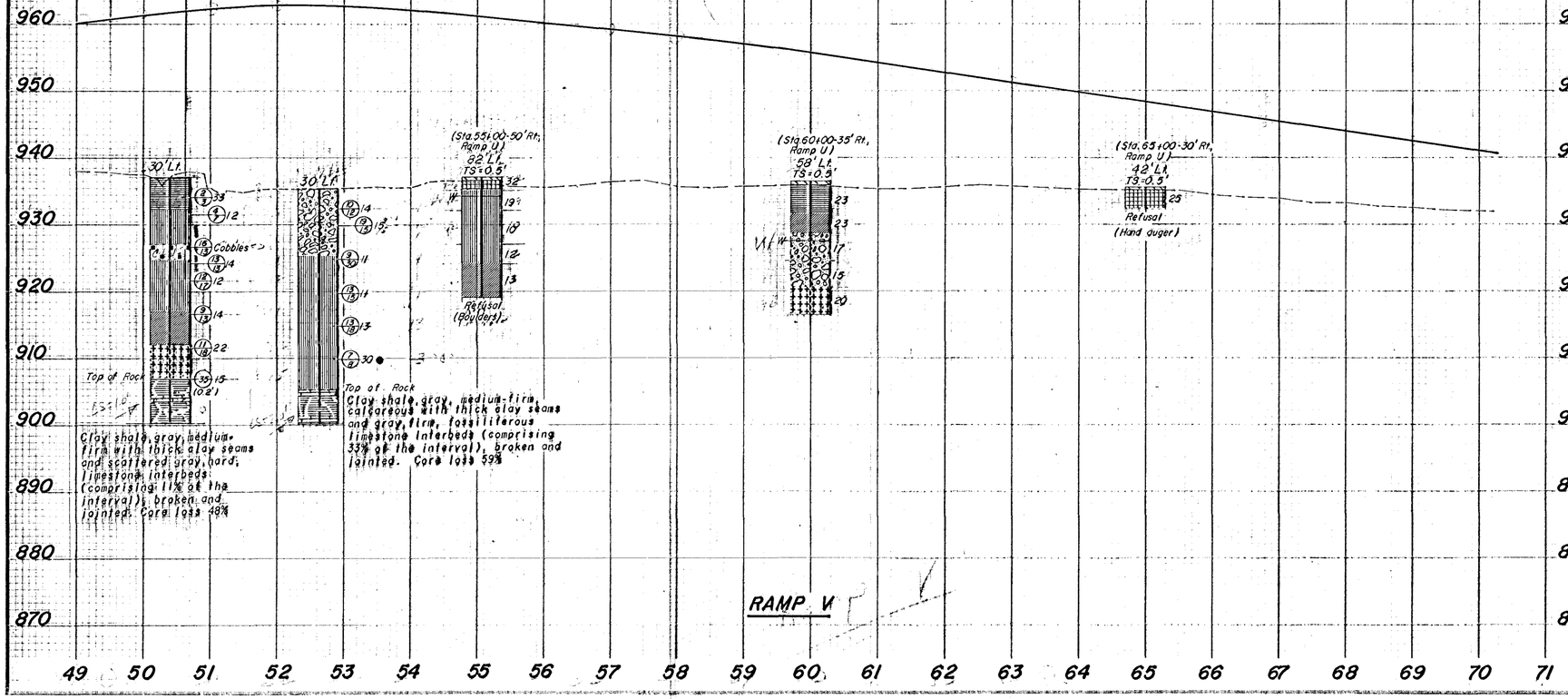
7/18

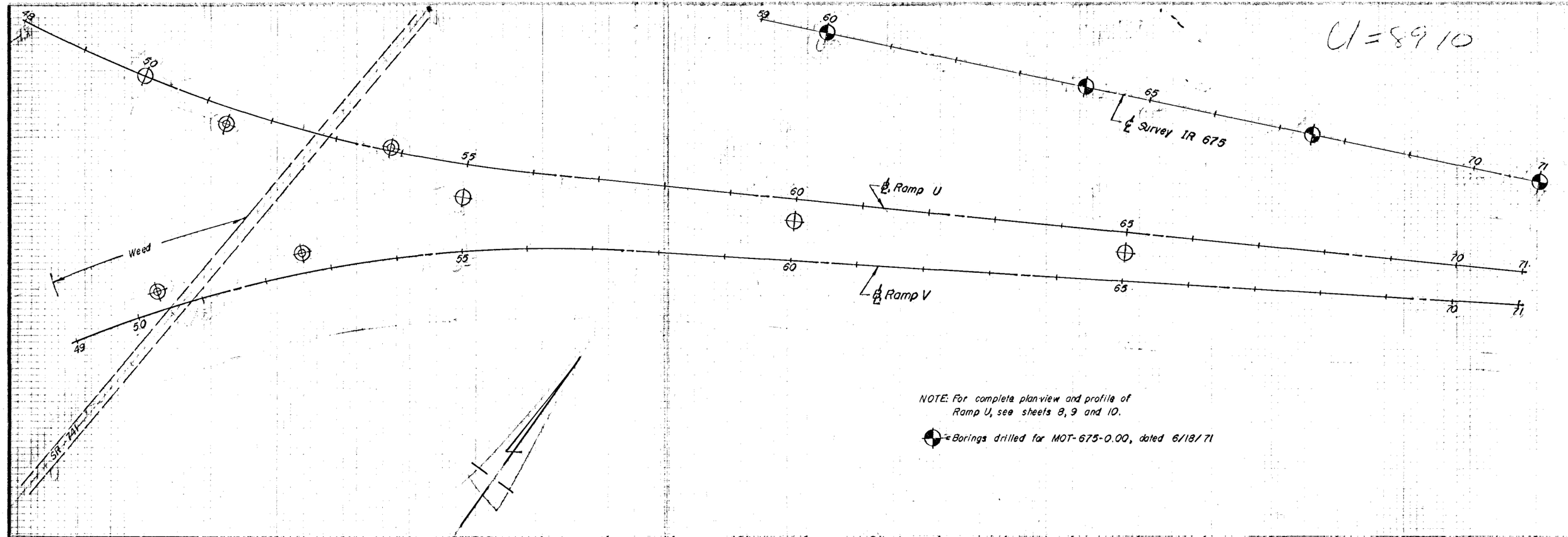
U=8910

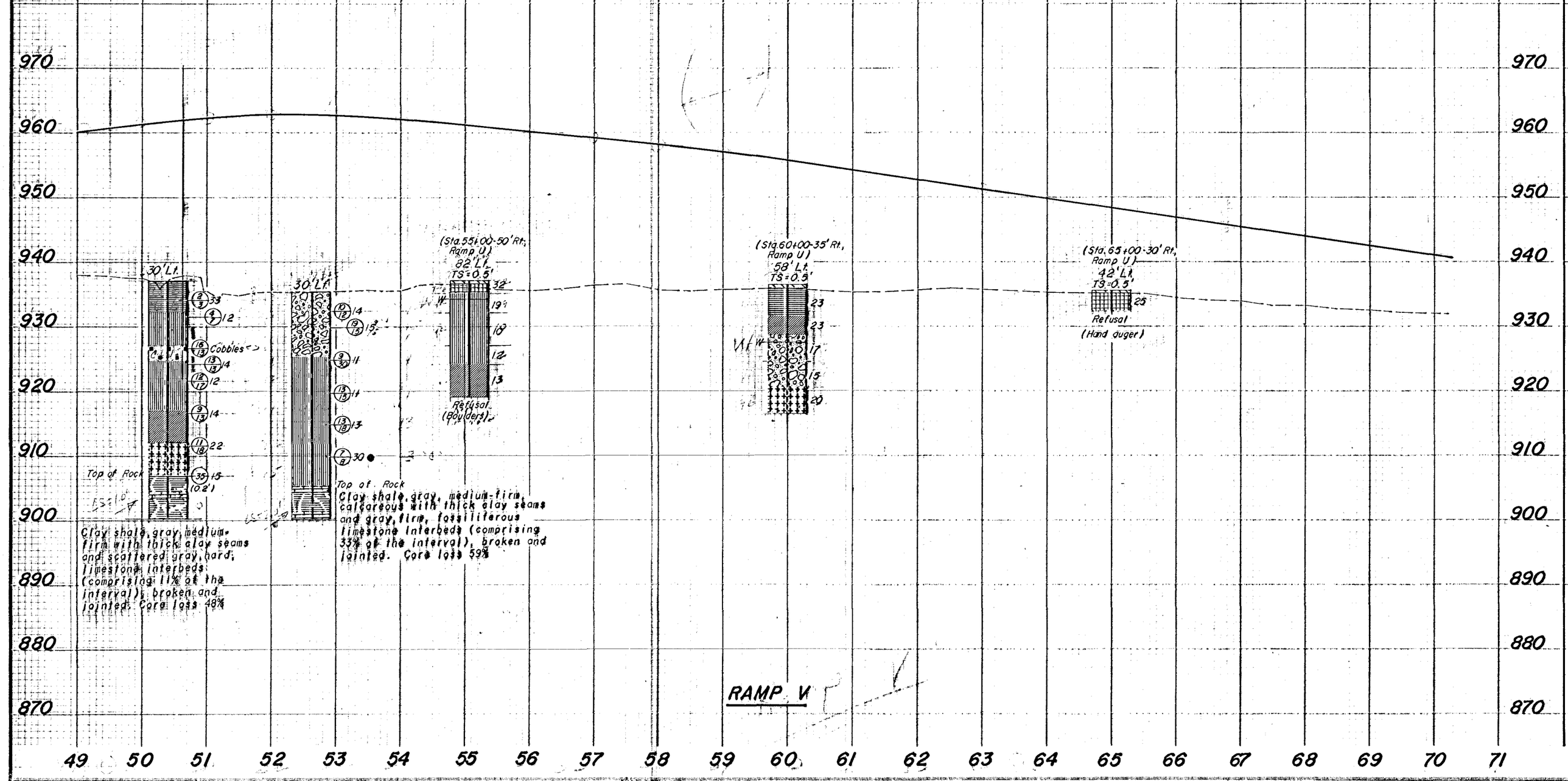


NOTE: For complete plan view and profile of Ramp U, see sheets 8, 9 and 10.

⊕ = Borings drilled for MOT-675-0.00, dated 6/18/71




U=8910
Survey IR 675
℄ Ramp U
℄ Ramp V
Weed
49
50
55
60
65
70
71
NOTE: For complete plan view and profile of Ramp U, see sheets 8, 9 and 10.
= Borings drilled for MOT-675-0.00, dated 6/18/71


970
960
950
940
930
920
910
900
890
880
870
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
30' Lt.
2/2 33
4/7 12
16/13 Cobbles
13/13 14
12/17 12
9/13 14
11/18 22
35 15
(0.2')
Top of Rock
Clay shale, gray, medium-firm with thick clay seams and scattered gray, hard, limestone interbeds (comprising 11% of the interval), broken and jointed. Core loss 48%
30' Lt.
6/12 14
8/13 15
9/30 11
13/15 11
13/18 13
7/9 30
Top of Rock
Clay shale, gray, medium-firm, calcareous with thick clay seams and gray, firm, fossiliferous limestone interbeds (comprising 33% of the interval), broken and jointed. Core loss 59%
(Sta. 55+00-50' Rt., Ramp U)
82' Lt.
TS=0.5'
14
32
19
18
12
13
Refusal (Boulders)
(Sta. 60+00-35' Rt., Ramp U)
58' Lt.
TS=0.5'
14
23
23
17
15
20
(Sta. 65+00-30' Rt., Ramp U)
42' Lt.
TS=0.5'
25
Refusal (Hand auger)
RAMP U

NOTE: For complete plan-view and profile of Ramp Y, see sheet 10.

SOIL PROFILE
MONTGOMERY COUNTY
MOT-675-0.00- SUPPL.

OHIO STATE HIGHWAY TESTING LABORATORY
1600 W. BROAD ST. COLUMBUS, OHIO 43223

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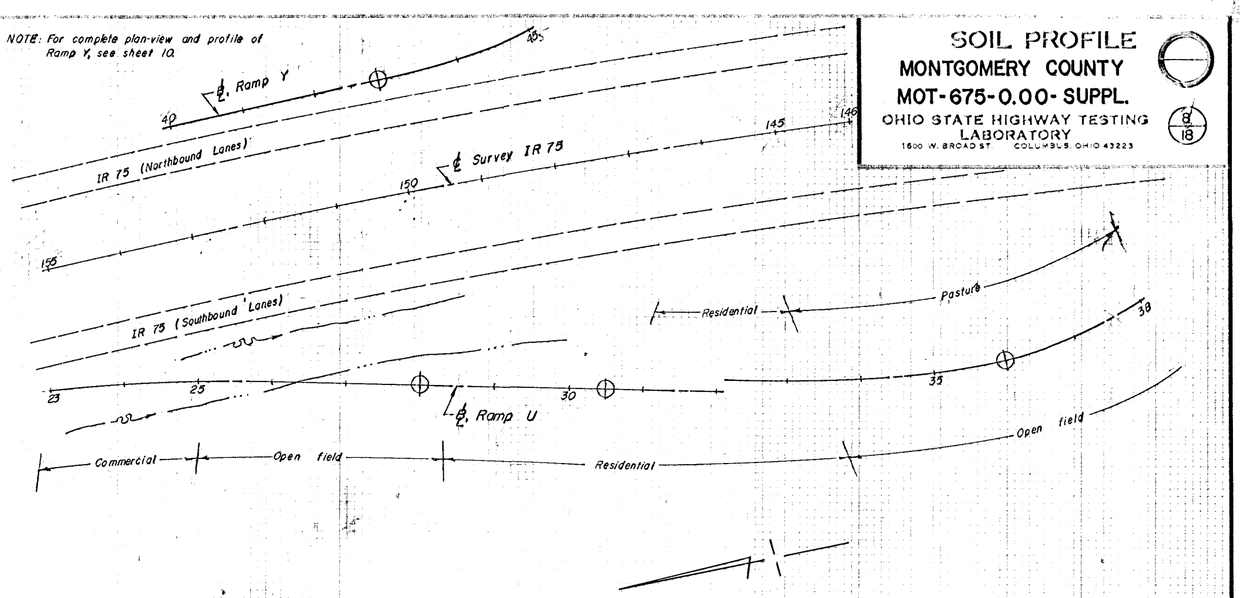

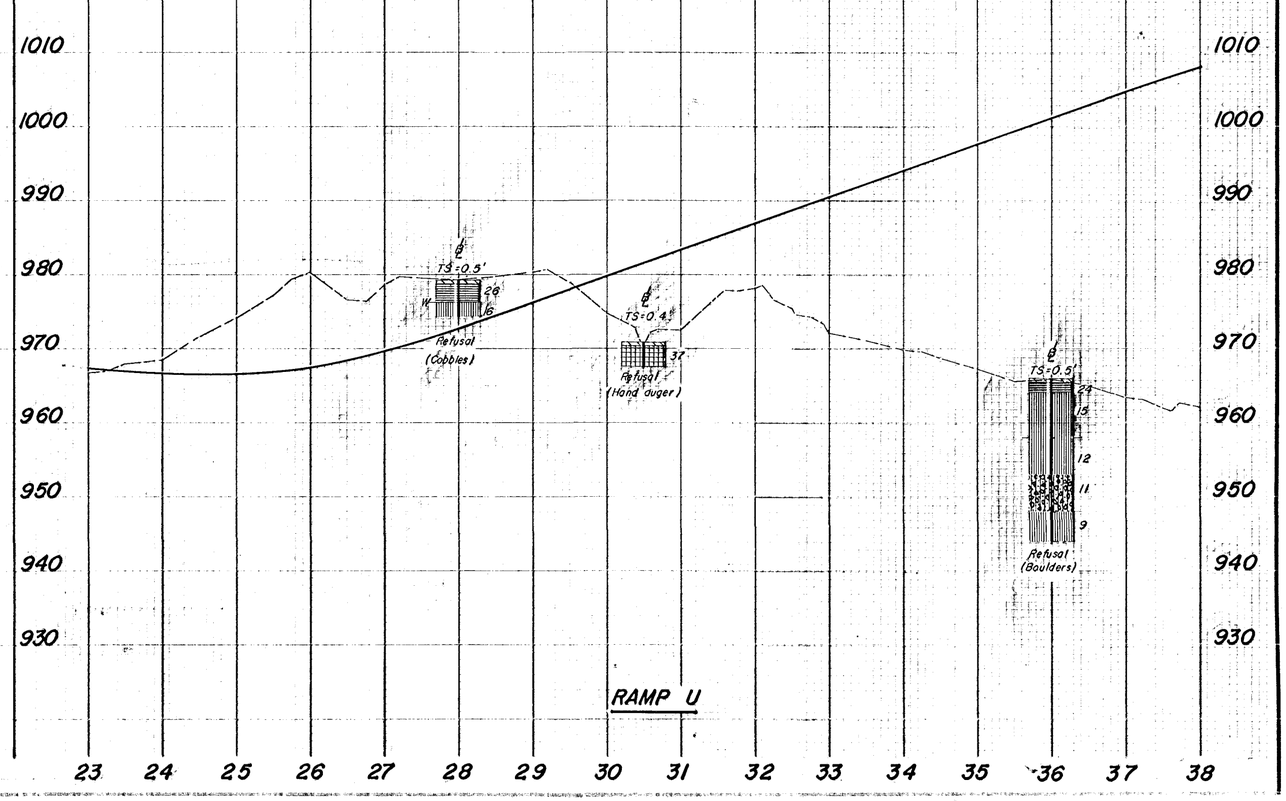

NOTE: For complete plan-view and profile of Ramp Y, see sheet 10.

SOIL PROFILE

MONTGOMERY COUNTY

MOT-675-0.00- SUPPL.

OHIO STATE HIGHWAY TESTING LABORATORY

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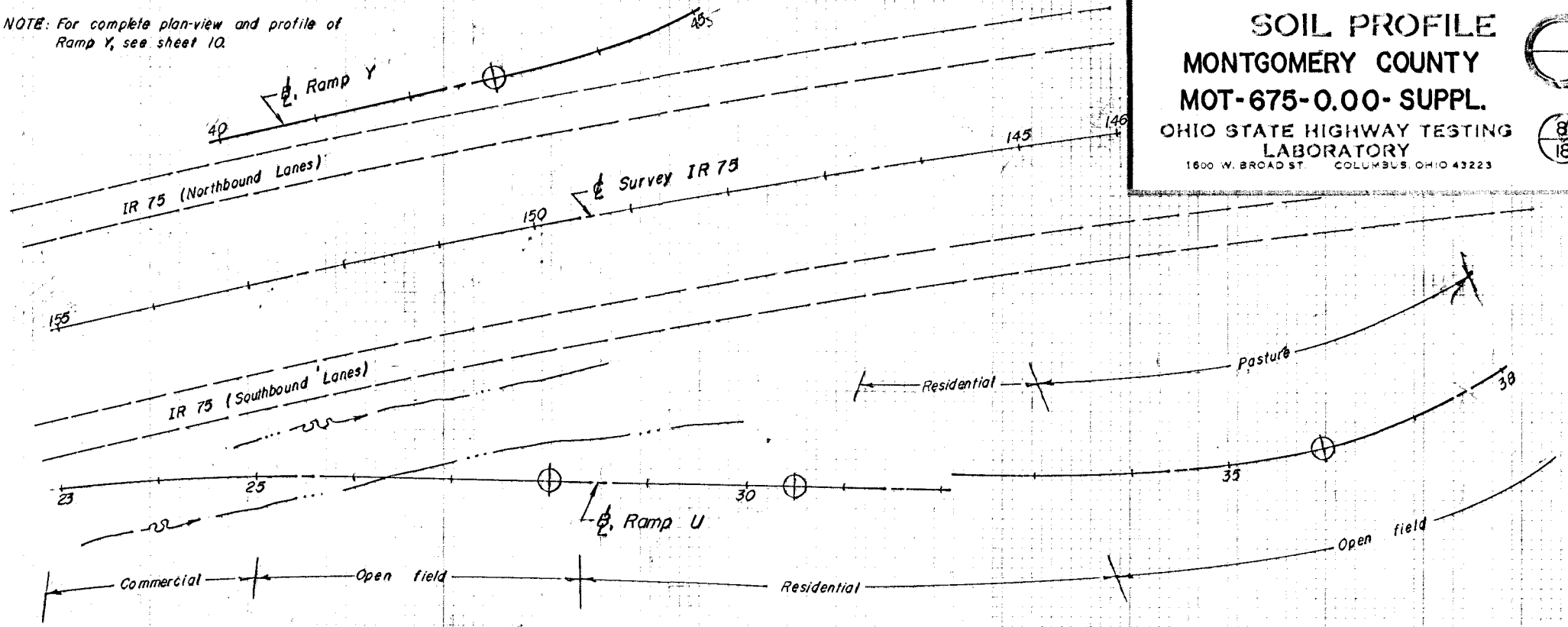
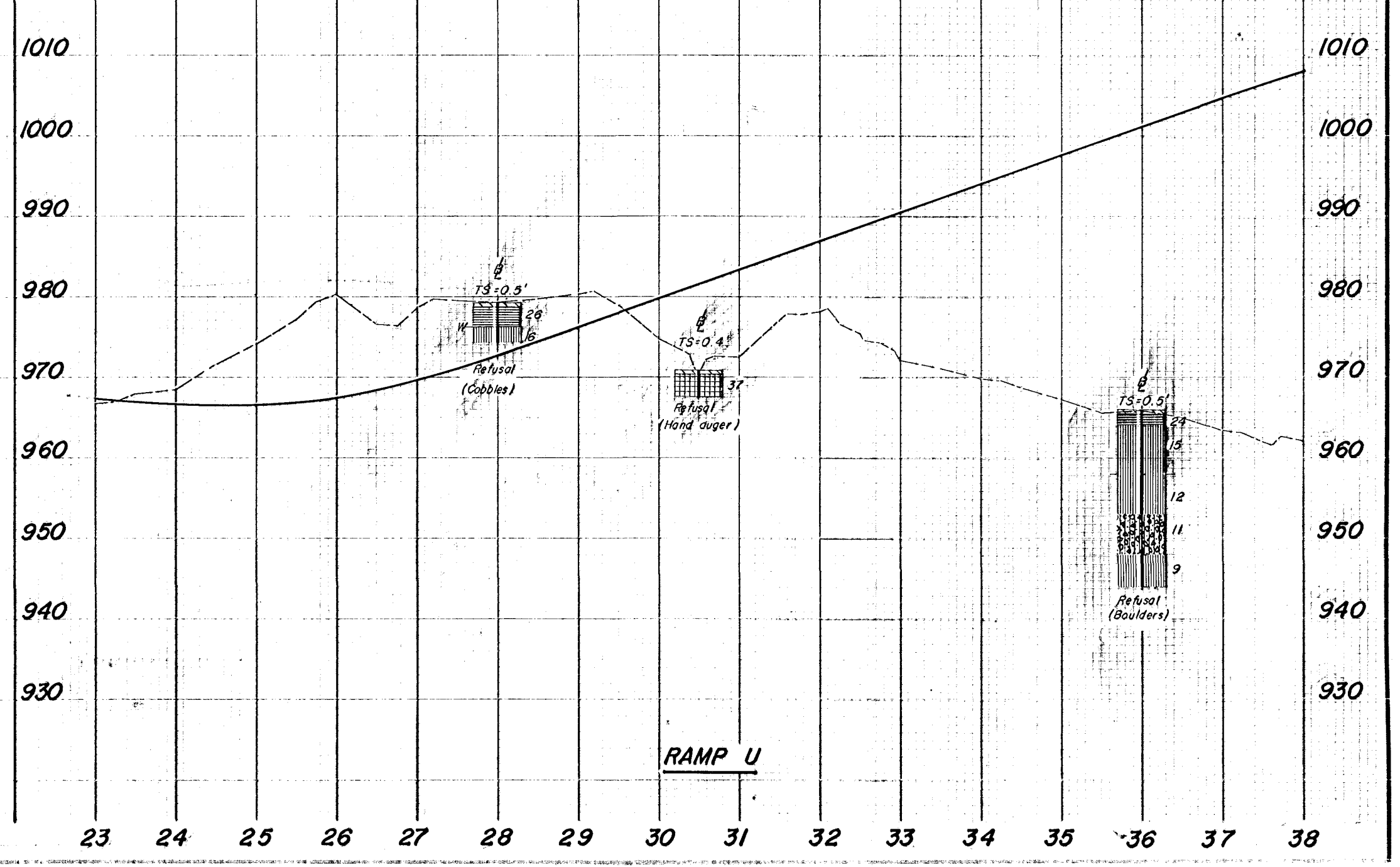



1010
1000
990
980
970
960
950
940
930
TS=0.5'
26
W
16
Refusal
(Cobbles)
TS=0.4'
37
Refusal
(Hand auger)
TS=0.5'
24
15
12
11
9
Refusal
(Boulders)
RAMP U
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38

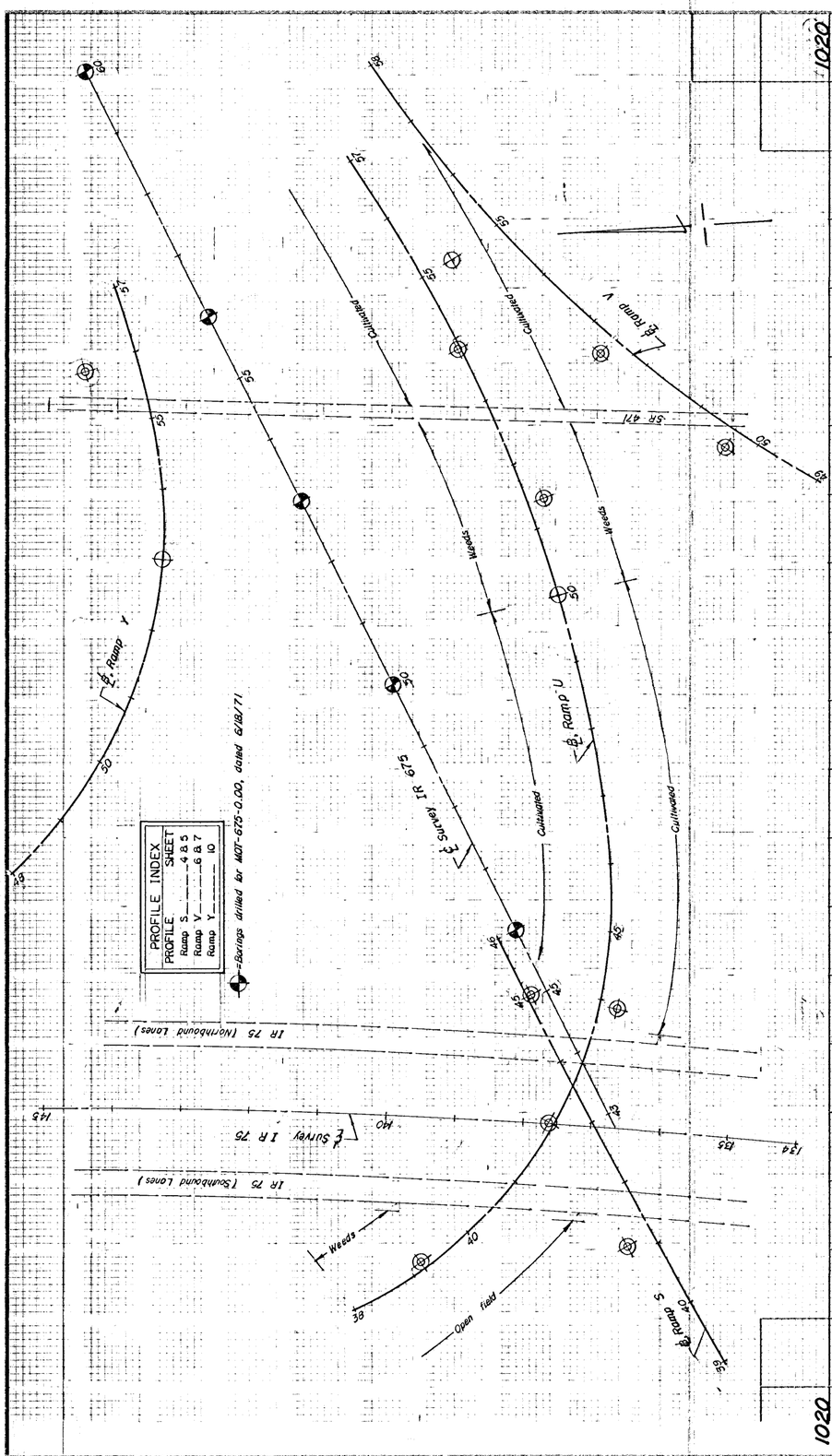
SOIL PROFILE

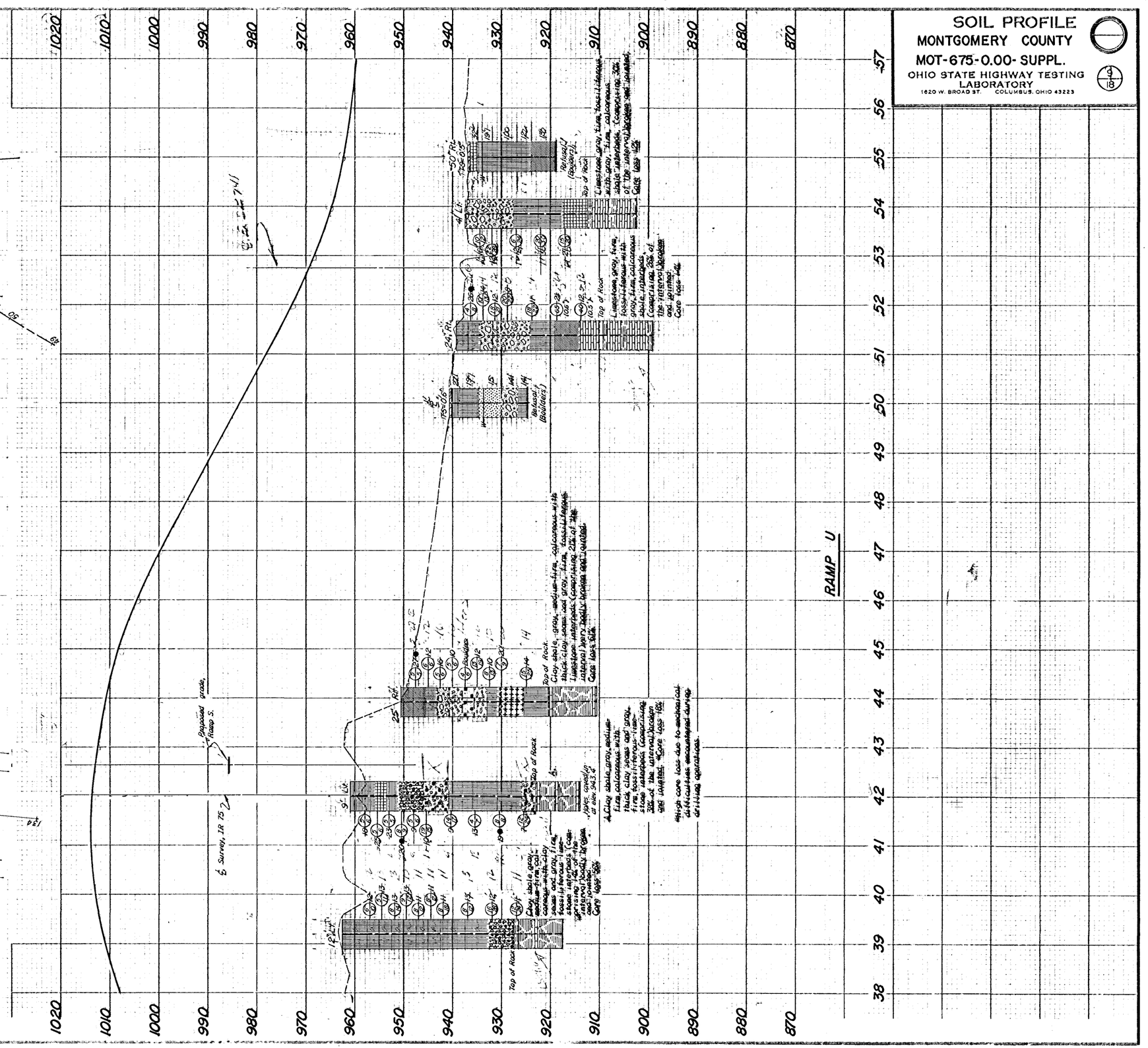
MONTGOMERY COUNTY

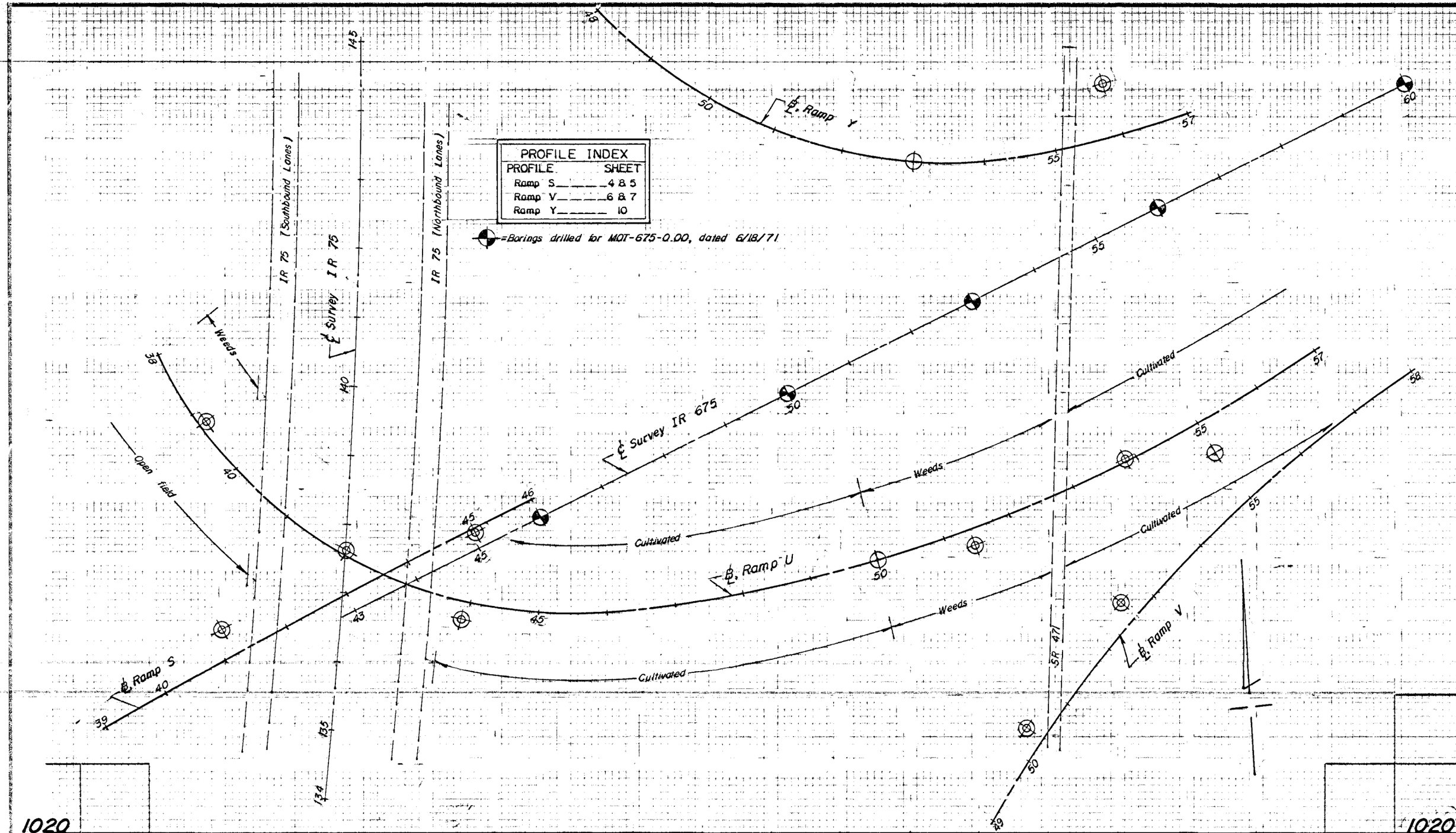
MOT-675-0.00- SUPPL.

OHIO STATE HIGHWAY TESTING LABORATORY

1620 W. BROAD ST. COLUMBUS, OHIO 43223

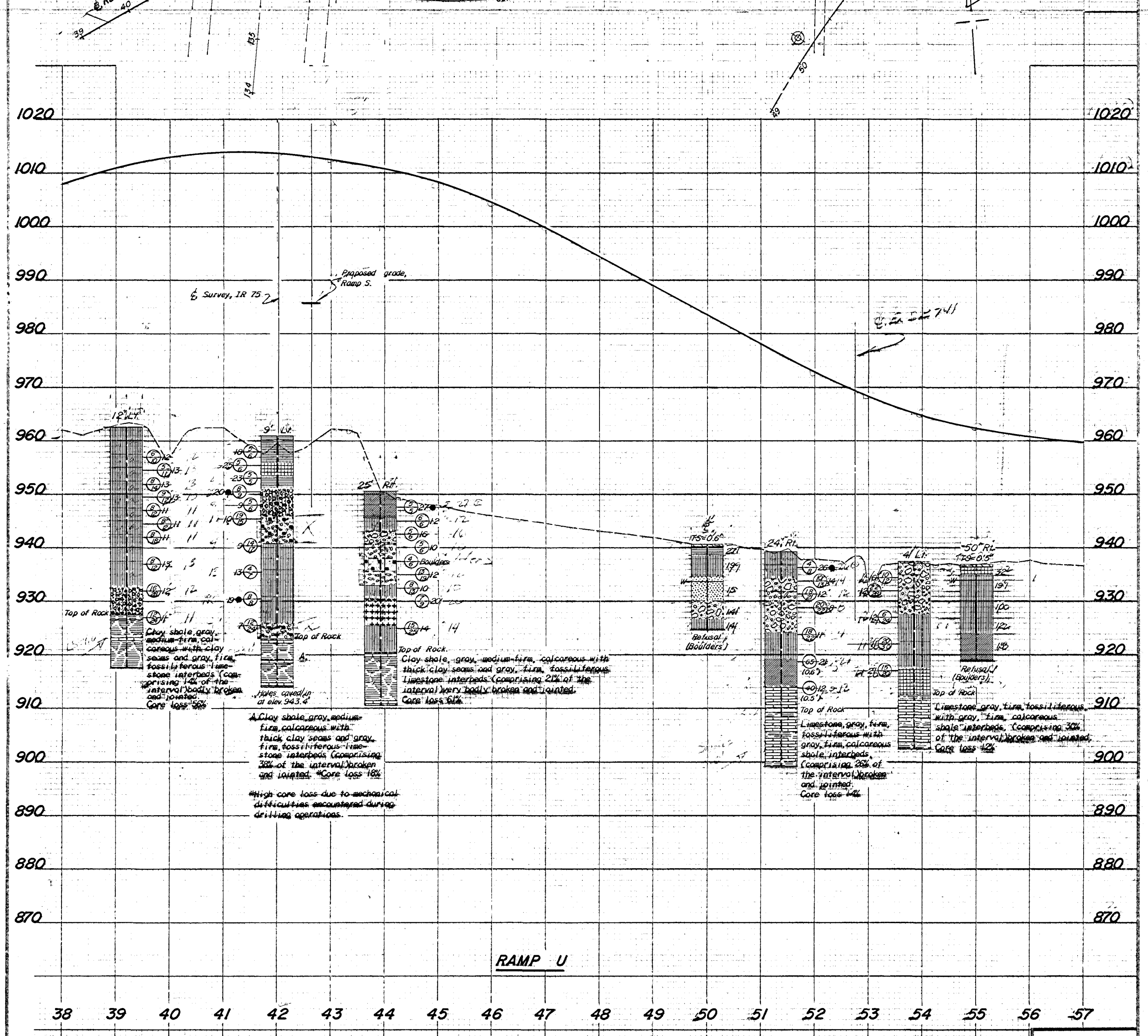





PROFILE INDEX
PROFILE SHEET
Ramp S 4 & 5
Ramp V 6 & 7
Ramp Y 10
=Borings drilled for MDT-675-0.00, dated 6/18/71
IR 75 (Southbound Lanes)
IR 75 (Northbound Lanes)
℄ Survey IR 75
℄ Survey IR 675
℄ Ramp S
℄ Ramp U
℄ Ramp V
℄ Ramp Y
SR 471
Weeds
Cultivated
Open field

1020

1020


1020
1010
1000
990
980
970
960
950
940
930
920
910
900
890
880
870
Proposed grade, Ramp S.
℄ Survey, IR 75
12° Lt.
9° Lt.
25° Rt.
24° Rt.
4° Lt.
50° Rt.
TFS=0.6°
TFS=0.5°
Top of Rock
Clay shale, gray, medium-firm, calcareous with clay seams and gray, firm, fossiliferous limestone interbeds (comprising 14% of the interval) badly broken and jointed. Core loss 56%
Holes caved in at elev. 943.4'
Top of Rock
A Clay shale, gray, medium-firm, calcareous with thick clay seams and gray, firm, fossiliferous limestone interbeds (comprising 39% of the interval) broken and jointed. *Core loss 16%
*High core loss due to mechanical difficulties encountered during drilling operations.
Top of Rock.
Clay shale, gray, medium-firm, calcareous with thick clay seams and gray, firm, fossiliferous limestone interbeds (comprising 21% of the interval) very badly broken and jointed. Core loss 61%
Boulders
Refusal (Boulders)
Top of Rock
Limestone, gray, firm, fossiliferous with gray, firm, calcareous shale interbeds (comprising 26% of the interval) broken and jointed. Core loss 14%
Refusal (Boulders)
Top of Rock
Limestone, gray, firm, fossiliferous with gray, firm, calcareous shale interbeds (comprising 30% of the interval) broken and jointed. Core loss 12%
RAMP U
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57

SOIL PROFILE
MONTGOMERY COUNTY
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OHIO STATE HIGHWAY TESTING LABORATORY
1600 W. BROAD ST. COLUMBUS, OHIO 43223

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18

℄ Survey, IR 675

Cultivated

℄ Ramp U

℄ Ramp V

1-6-7

NOTE: For complete plan-view and profile of Ramp V, see sheets 6 and 7.

= Borings drilled for MOT-675-0.00, dated 6/18/71

Ft. Survey, IR 75

IR 75 (Southbound Lanes)

IR 75 (Northbound Lanes)

℄ Ramp Y

Weeds

℄ Survey, IR 675

35' Rt. TS+0.5

30' Rt. TS+0.5

Refusal (Hand auger)

TS+0.5

Limestone, firm, gray, thin- to medium-bedded with thick clay seams. Core loss 13%

Gray gravelly sand.

RAMP U

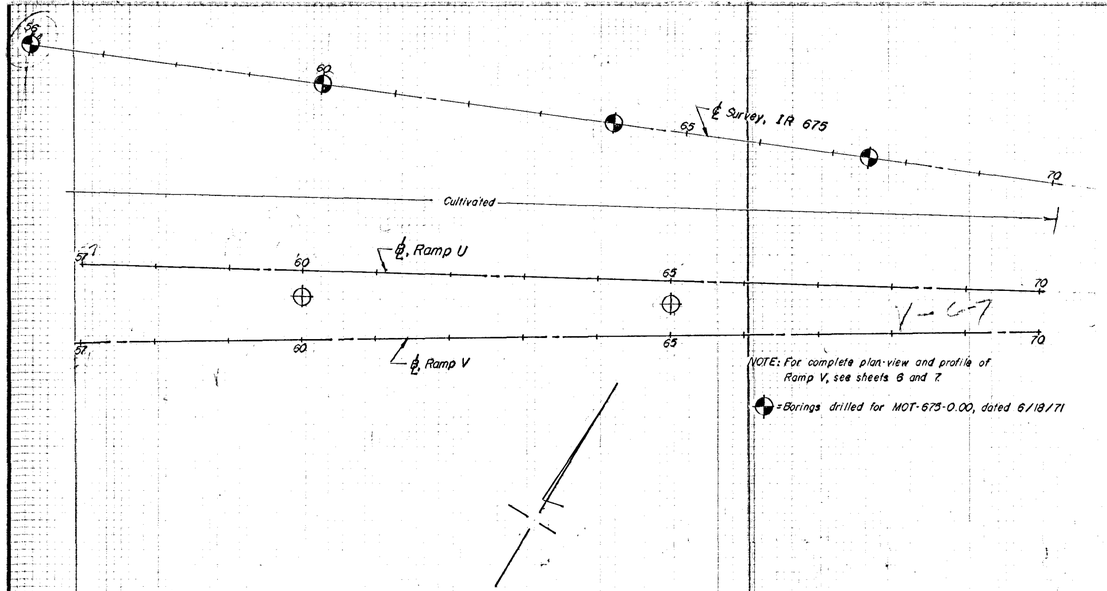
RAMP Y

970 960 950 940 930 920 910 900

970 960 950 940 930 920 910 890 880

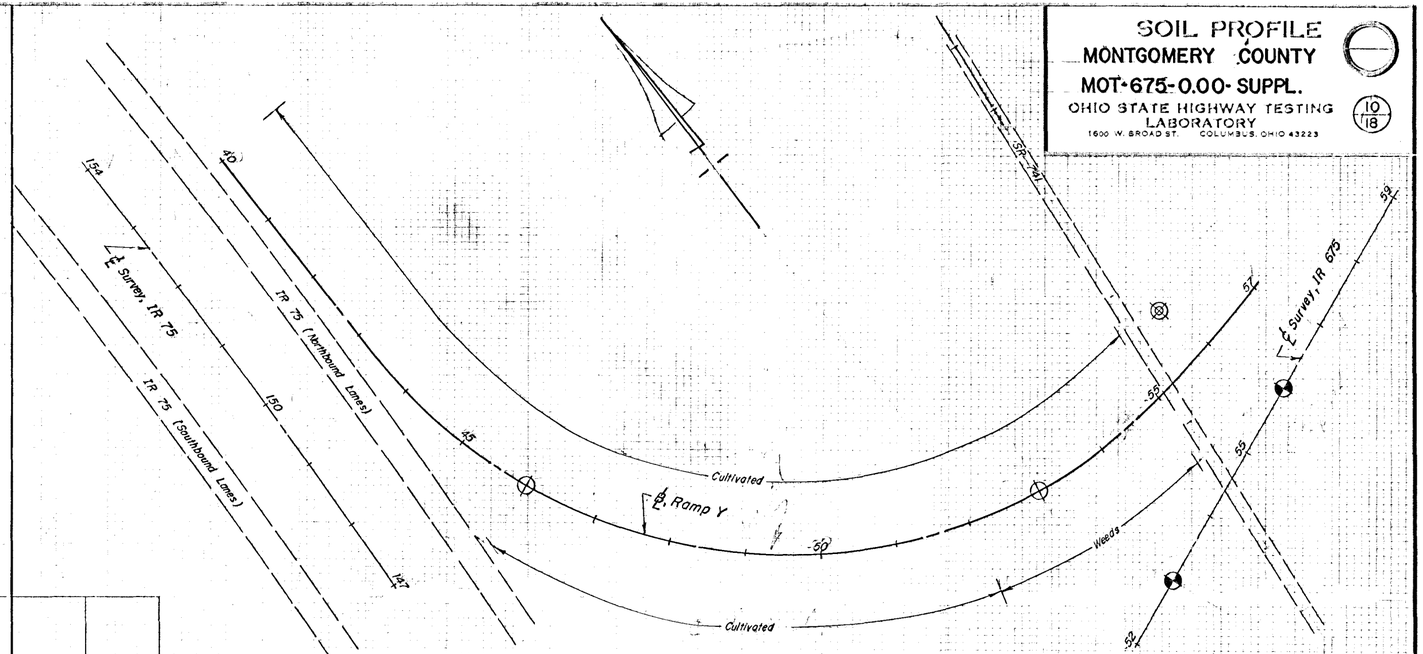
57 58 59 60 61 62 63 64 65 66 67 68 69 70

40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57



NOTE: For complete plan view and profile of Ramp V, see sheets 6 and 7.

⊕ = Borings drilled for MOT-675-0.00, dated 6/18/71



SOIL PROFILE

MONTGOMERY COUNTY

MOT-675-0.00-SUPPL.

OHIO STATE HIGHWAY TESTING LABORATORY

1600 W. BROAD ST. COLUMBUS, OHIO 43223

10/18

Cultivated

960
950
940
930
920
910
900

35' Rt.
TS+0.5'
23
23
17
13
20

30' Rt.
TS+0.5'
25
Refusal
(Hand auger)

RAMP U

57 58 59 60 61 62 63 64 65 66 67 68 69 70

970
960
950
940
930
920
910
900
890
880

TS+0.5'
23
22
19
13

TS+0.5'
29
25
11
19

Limestone, firm, gray, thin-to medium-bedded with thick clay seams
Core loss 13%

Gray gravelly sand.

RAMP Y

40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57

SOIL PROFILE

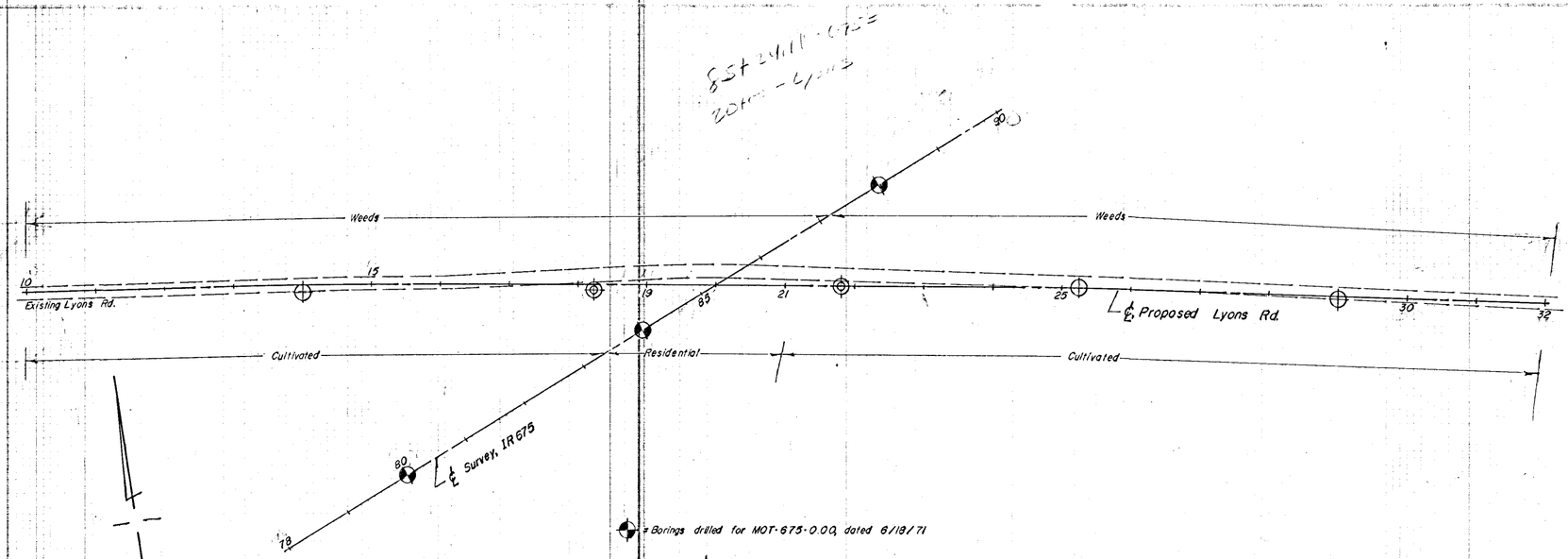
MONTGOMERY COUNTY

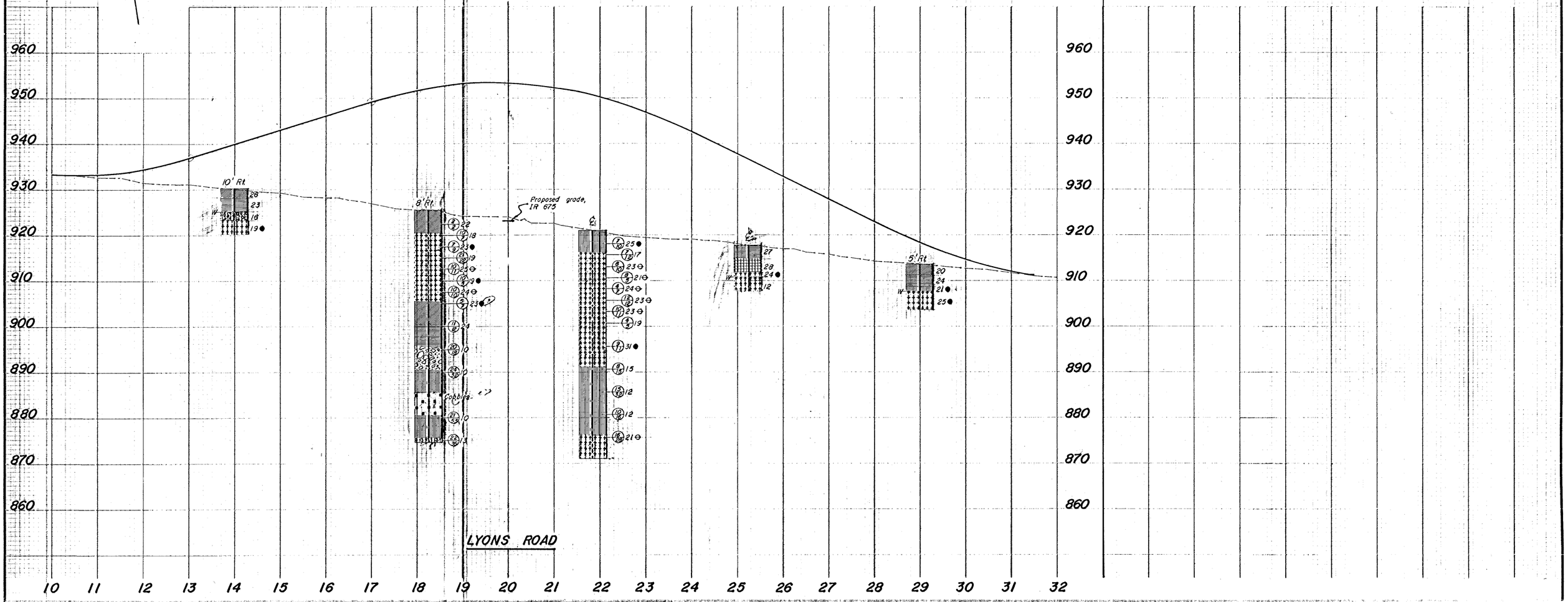
MOT-675-0.00-SUPPL.

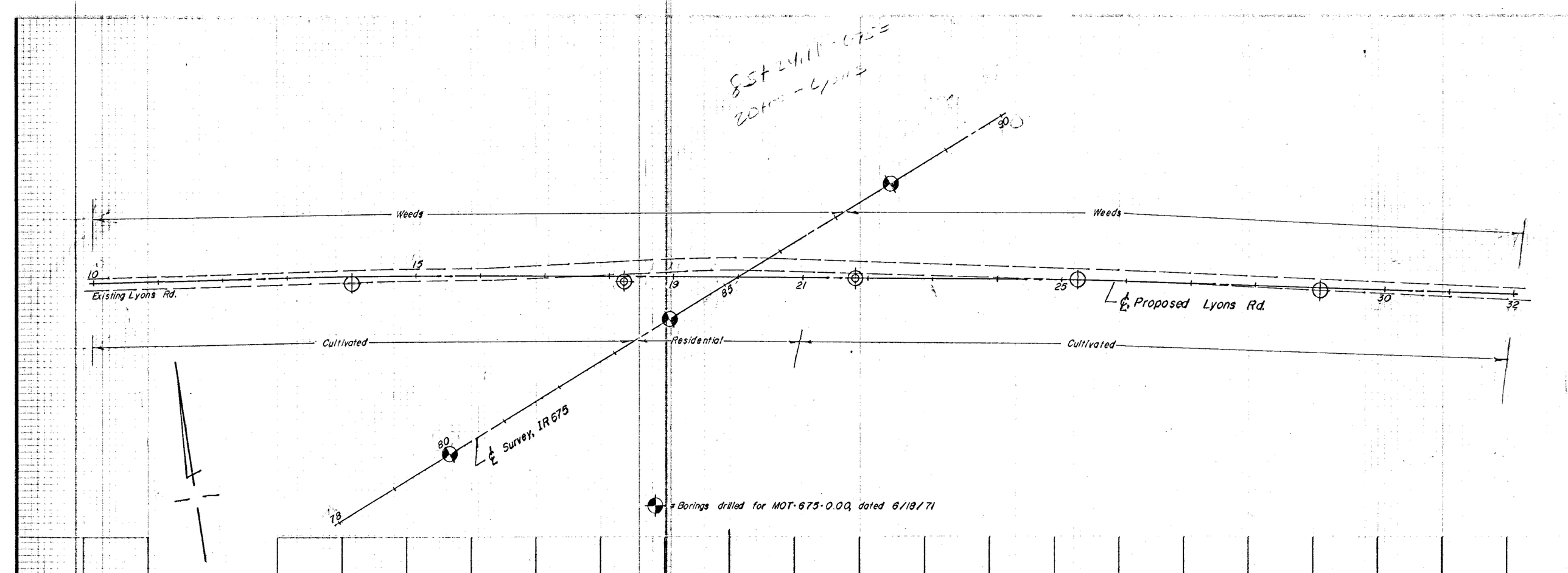
OHIO STATE HIGHWAY TESTING LABORATORY

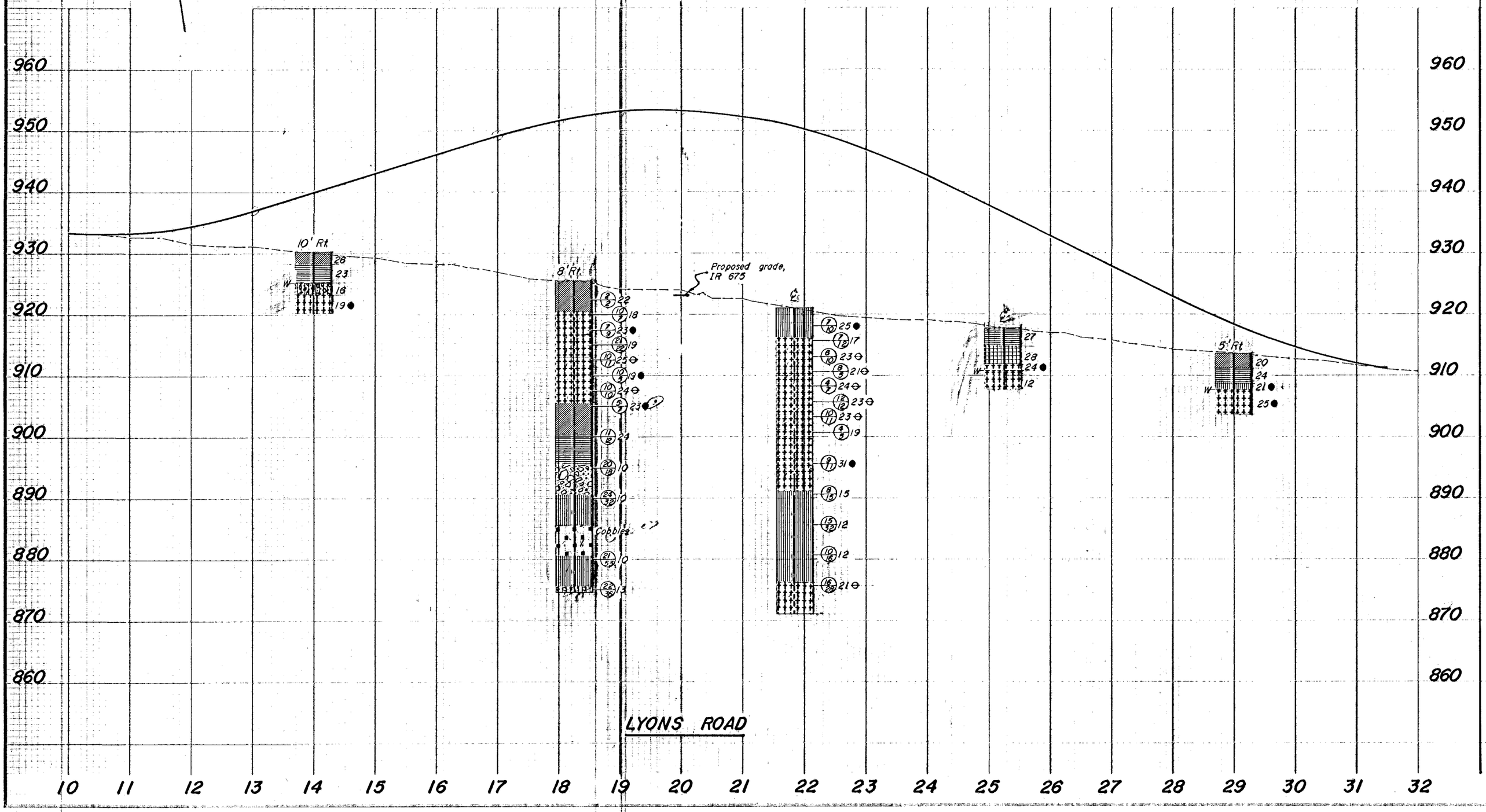
1600 W. BROAD ST. COLUMBUS, OHIO 43223

11/18





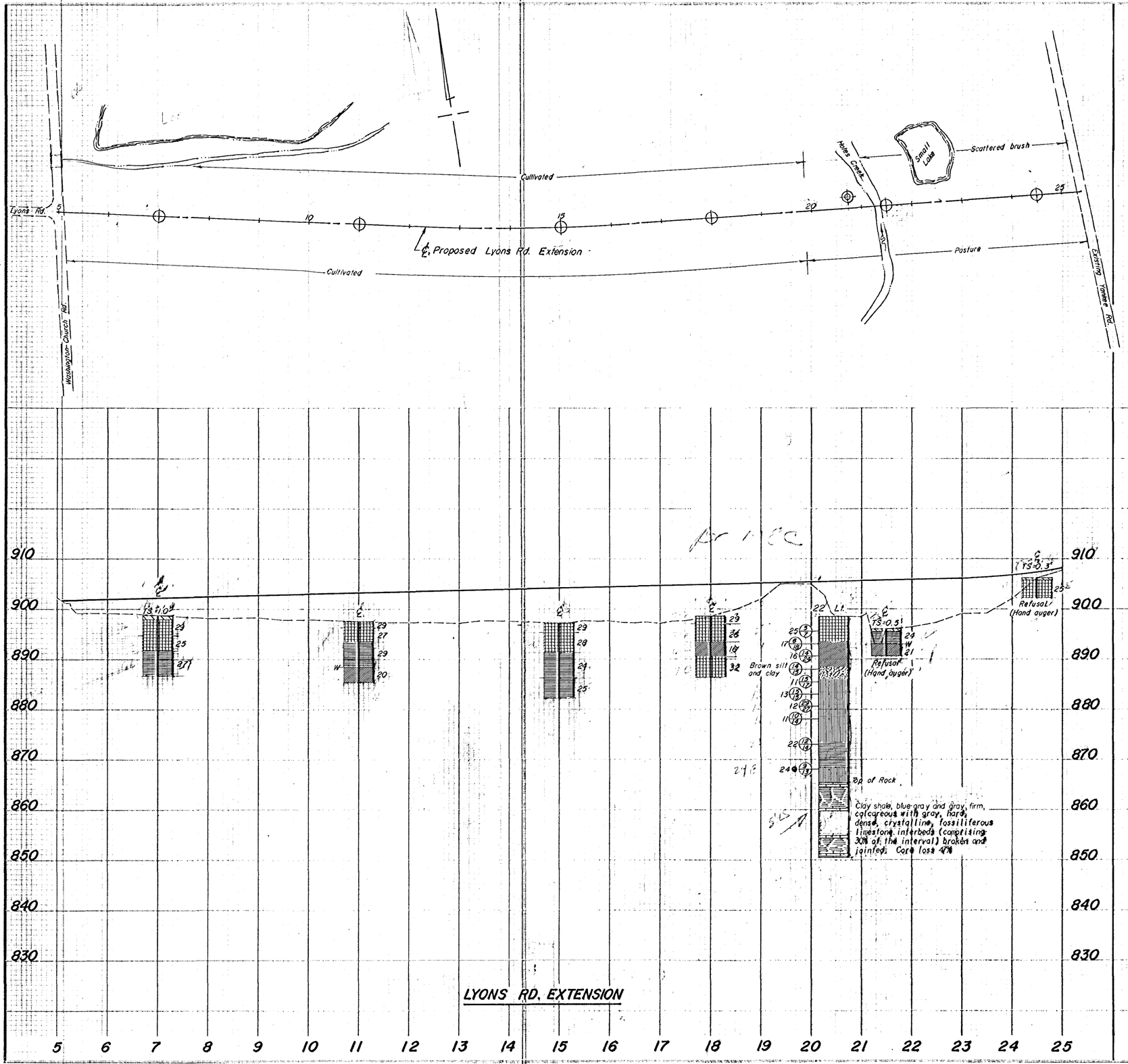

Weeds
Weeds
10
15
19
85
21
25
30
32
Existing Lyons Rd.
℄ Proposed Lyons Rd.
Cultivated
Residential
Cultivated
80
78
℄ Survey, IR 675
= Borings drilled for MOT-675-0.00, dated 6/18/71

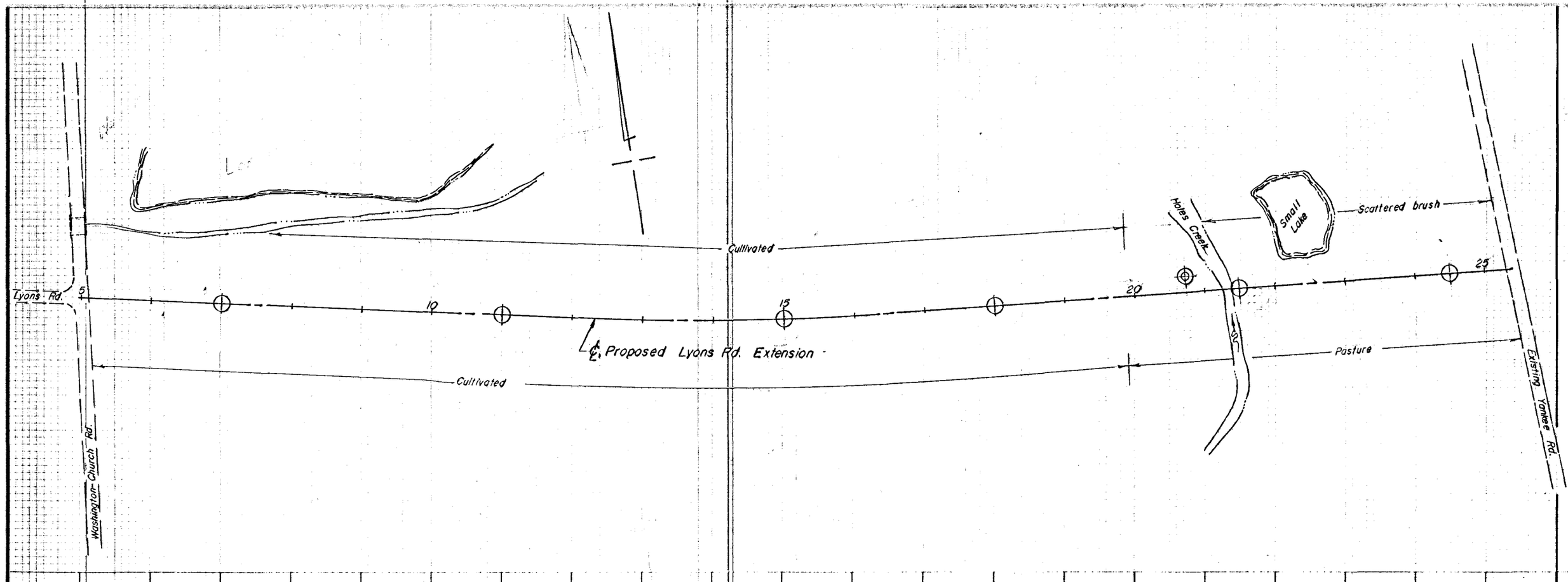

960
950
940
930
920
910
900
890
880
870
860
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
10' Rt
28
23
16
19
W
8' Rt
22
18
23
19
25
19
24
23
24
10
10
Cobbles
10
13
Proposed grade, IR 675
25
17
23
21
24
23
23
19
31
15
12
12
21
27
28
24
12
5' Rt
20
24
21
25
W
LYONS ROAD

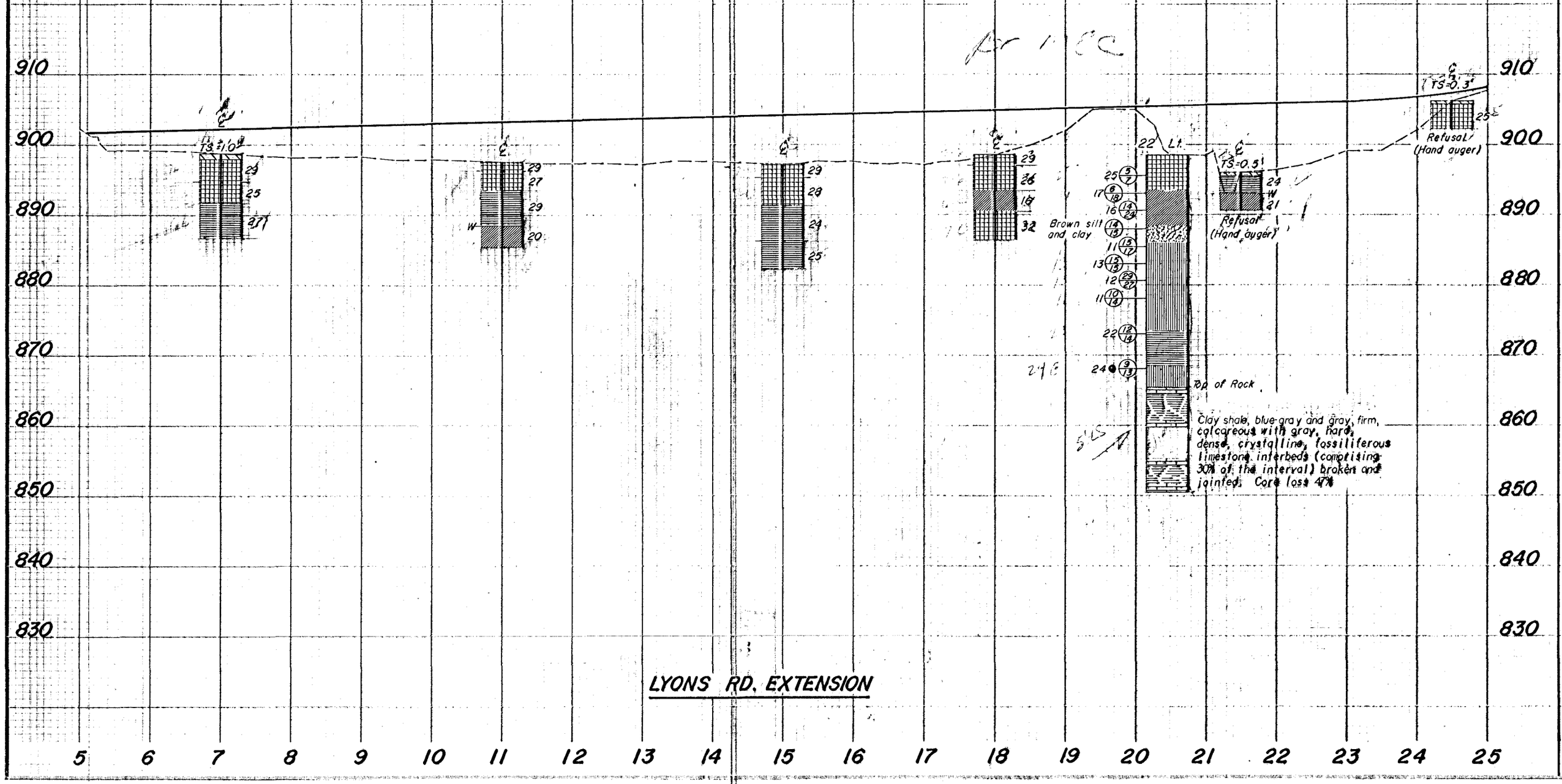
SOIL PROFILE
MONTGOMERY COUNTY
MOT-675-0.00-SUPPL.

OHIO STATE HIGHWAY TESTING LABORATORY
1600 W. BROAD ST. COLUMBUS, OHIO 43223

12/18




Lyons Rd.
5
10
15
20
25
Cultivated
Cultivated
℄ Proposed Lyons Rd. Extension
Washington-Church Rd.
Holes Creek
Small Lake
Scattered brush
Pasture
Existing Yankee Rd.


910
900
890
880
870
860
850
840
830
TS=1.0'
29
25
27
W
20
TS=0.3'
Refusal
(Hand auger)
22 Lt.
Brown silt and clay
TS=0.5'
Refusal
(Hand auger)
Top of Rock
Clay shale, blue-gray and gray, firm, calcareous with gray, hard, dense, crystalline, fossiliferous limestone interbeds (comprising 30% of the interval) broken and jointed. Core loss 47%
LYONS RD. EXTENSION
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

SOIL PROFILE

MONTGOMERY COUNTY

MOT-675-0.00-SUPPL.

OHIO STATE HIGHWAY TESTING LABORATORY

1600 W. BROAD ST. COLUMBUS, OHIO 43223

13 / 18

Residential — Cultivated — ℄ Proposed SR 725 — Existing SR 725 — Open field — Residential — Cultivated — Residential — Cultivated

℄ Frontage Rd. — ℄ Ramp N — ℄ Survey IR 675 — ℄ Ramp M — ℄ Ramp L — Yankee St. — Haas Creek — ℄ Relocated Yankee St. — Yankee St. — Washington Church Rd.

Sta. 867+55.25 Back = Sta. 867+57.35 Ahead

NOTE: For complete plan-view of SR 725 Interchange, see sheet 14.

PROFILE INDEX

PROFILE	SHEET
Frontage Rd.	15
Ramp M	15
Ramp L	16
Ramp N	16
Relocated Yankee St.	17 & 18

= Borings drilled for MOT-675-0.00, dated 6/18/71

℄ Ramp N — ℄ Proposed Frontage Rd. — ℄ Ramp L — ℄ Relocated Yankee St.

Proposed grade, IR 675

(Sta. 39+50 ℄ Relocated Yankee St.)

20' LH — 20' LH — 45' RH — 46' LH — 40' RH — 34' LH — 38' LH — 20' LH — 20' LH

Sta. 867+55.25 Back = Sta. 867+57.35 Ahead

Limestone, medium-bedded, hard, with green clay seams. No core loss.

Gray, very dense glacial till (silt, sand and stone fragments)

Top of Rock

Limestone, hard, gray, dense, thin-bedded with clay layers making up approximately 50% of total interval. Core loss 15%

Top of Rock

Brown clay and boulders

Top of Rock

Limestone, gray, hard, dense, fossiliferous with gray, medium-firm, clay shale interbeds (comprising 21% of the interval) and clay seams, broken and jointed. Core loss 14%

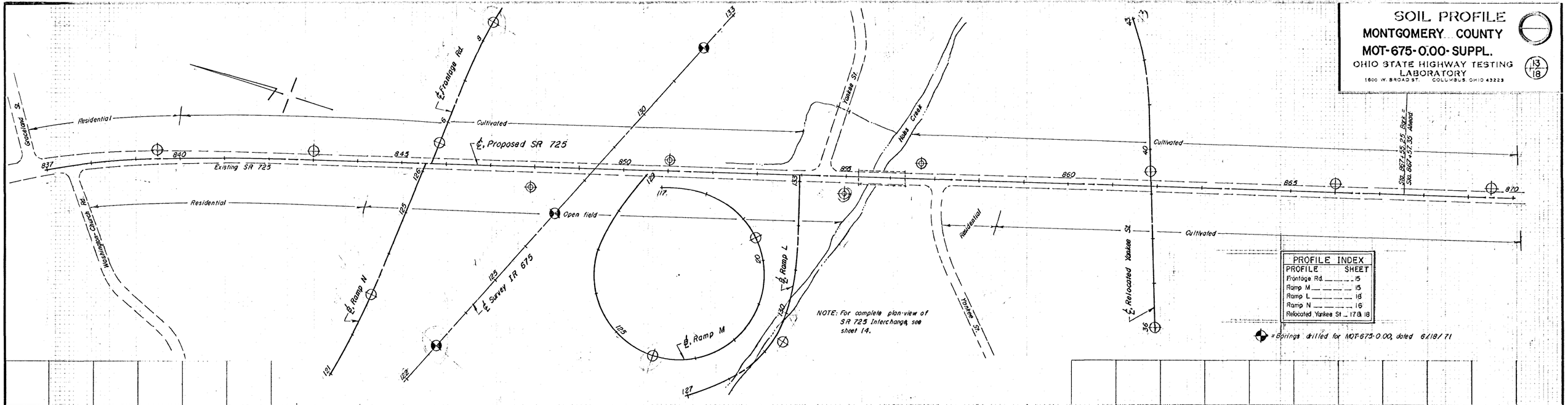
SR 725

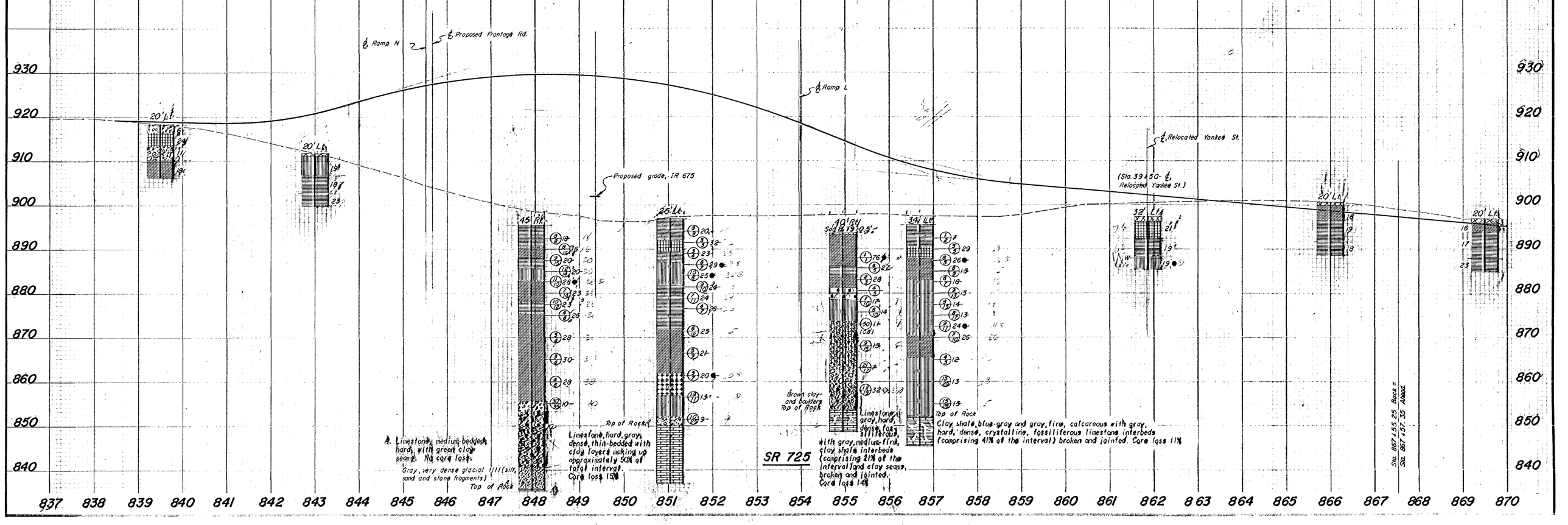
Top of Rock

Clay shale, blue-gray and gray, firm, calcareous with gray, hard, dense, crystalline, fossiliferous limestone interbeds (comprising 41% of the interval) broken and jointed. Core loss 11%

930 920 910 900 890 880 870 860 850 840

837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870


SOIL PROFILE
MONTGOMERY COUNTY
MOT-675-0.00-SUPPL.
OHIO STATE HIGHWAY TESTING LABORATORY
1600 W. BROAD ST. COLUMBUS, OHIO 43223
13
18
Residential
Cultivated
℄ Proposed SR 725
Existing SR 725
Frontage Rd. B
Goodale St.
Mt. Pilgrim Church Rd.
Residential
Open field
℄ Ramp N
℄ Survey I-R 675
℄ Ramp M
℄ Ramp L
Yankee St.
Hobb Creek
Cultivated
Residential
Cultivated
℄ Relocated Yankee St.
Sta. 867+55.25 Back =
Sta. 867+57.36 Ahead
NOTE: For complete plan-view of SR 725 Interchange, see sheet 14.
PROFILE INDEX
PROFILE SHEET
Frontage Rd. 15
Ramp M 15
Ramp L 16
Ramp N 16
Relocated Yankee St. 17 & 18
= Borings drilled for MOT-675-0.00, dated 6/18/71


℄ Ramp N
℄ Proposed Frontage Rd.
℄ Ramp L
℄ Relocated Yankee St.
(Sta. 39+50- ℄ Relocated Yankee St.)
Proposed grade, IR 675
20' LT.
45' RT.
26' LT.
40' LT.
33' LT.
32' LT.
SR 725
Top of Rock
Brown clay and boulders
Top of Rock
Limestone, gray, hard, dense, thin-bedded with clay layers making up approximately 50% of total interval. Core loss 15%
Limestone, gray, hard, dense, fossiliferous with gray, medium firm, clay shale interbeds (comprising 21% of the interval) and clay seams, broken and jointed. Core loss 14%
Clay shale, blue-gray and gray, firm, calcareous with gray, hard, dense, crystalline, fossiliferous limestone interbeds (comprising 41% of the interval) broken and jointed. Core loss 11%
Gray, very dense glacial till (silt, sand and stone fragments)
Top of Rock
Limestone, medium-bedded, hard, with green clay seams. No core loss.
Sta. 867+55.25 Back =
Sta. 867+57.35 Ahead
930
920
910
900
890
880
870
860
850
840
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870

SOIL PROFILE

MONTGOMERY COUNTY

MOT-675-0.00-SUPPL.

OHIO STATE HIGHWAY TESTING LABORATORY

1600 W. BROAD ST. COLUMBUS, OHIO 43223

14/18

PROFILE INDEX

PROFILE	SHEET
SR 725	13
Ramp N	16
Ramp L	16
Ramp M	15
Frontage Rd.	15
Ramp J	16
Ramp K	16
Relocated Yankee Rd.	16&17

+ Borings drilled for MOT-675-0.00, dated 6/18/71

NOTE: For complete plan-view of Relocated Yankee Rd., see sheets 17 and 18.

SOIL PROFILE

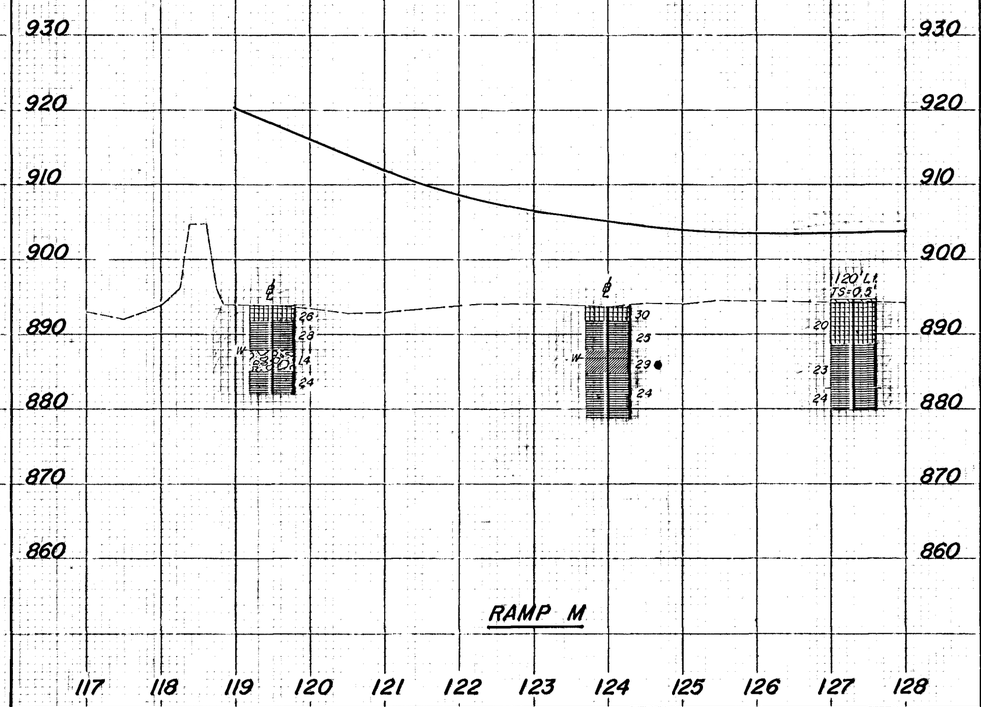
MONTGOMERY COUNTY

MOT-675-0.00-SUPPL.

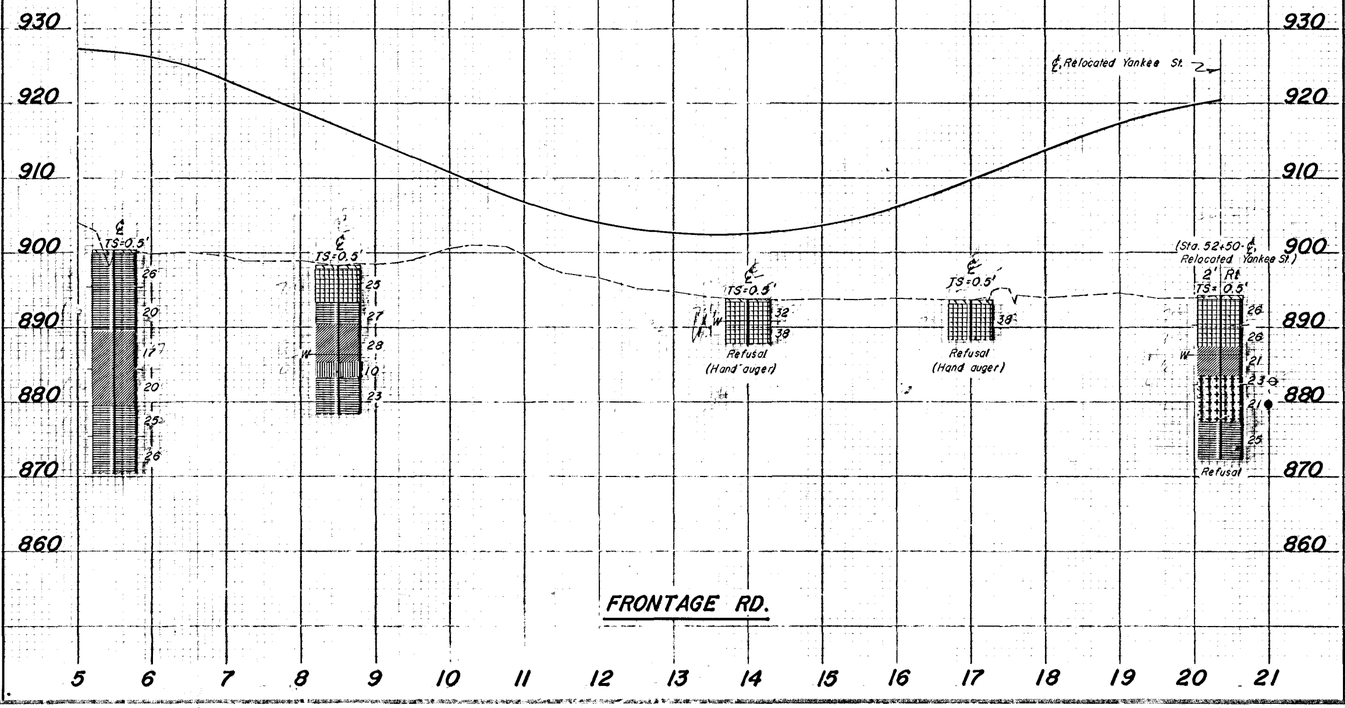
OHIO STATE HIGHWAY TESTING LABORATORY

1620 W. BROAD ST. COLUMBUS, OHIO 43223

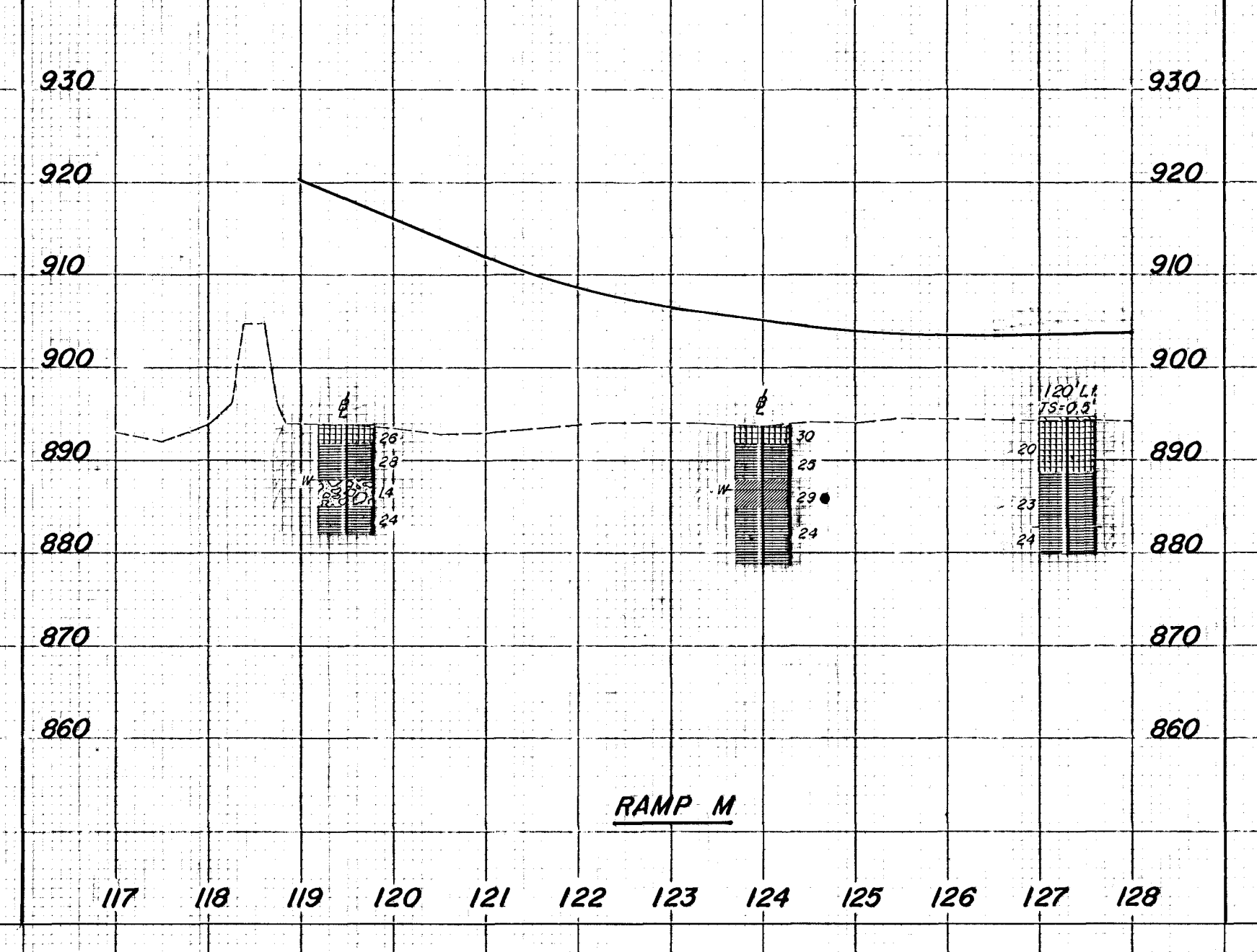
15/18

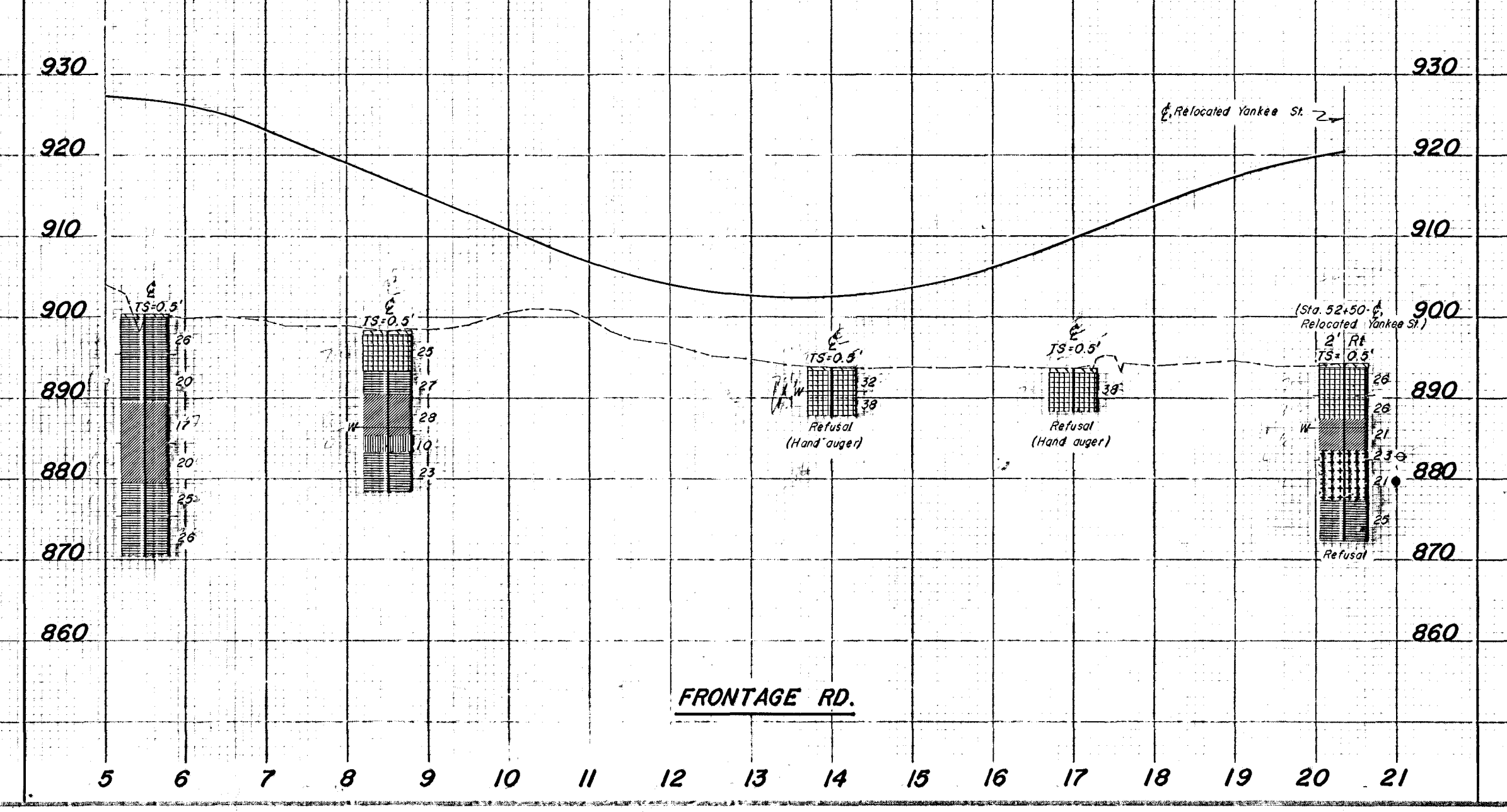


RAMP M



FRONTAGE RD.


930
920
910
900
890
880
870
860
℄
26
28
W
14
24
℄
30
25
W
29
24
120' L
TS=0.5'
20
23
24
RAMP M
117
118
119
120
121
122
123
124
125
126
127
128


930
920
910
900
890
880
870
860
℄, Relocated Yankee St.
℄
TS=0.5'
26
20
17
20
25
26
W
℄
TS=0.5'
25
27
28
10
23
W
℄
TS=0.5'
32
38
W
Refusal
(Hand auger)
℄
TS=0.5'
38
Refusal
(Hand auger)
(Sta. 52+50-℄, Relocated Yankee St.)
2' Rt
TS=0.5'
26
26
21
23
21
25
W
Refusal
FRONTAGE RD.
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21

SOIL PROFILE

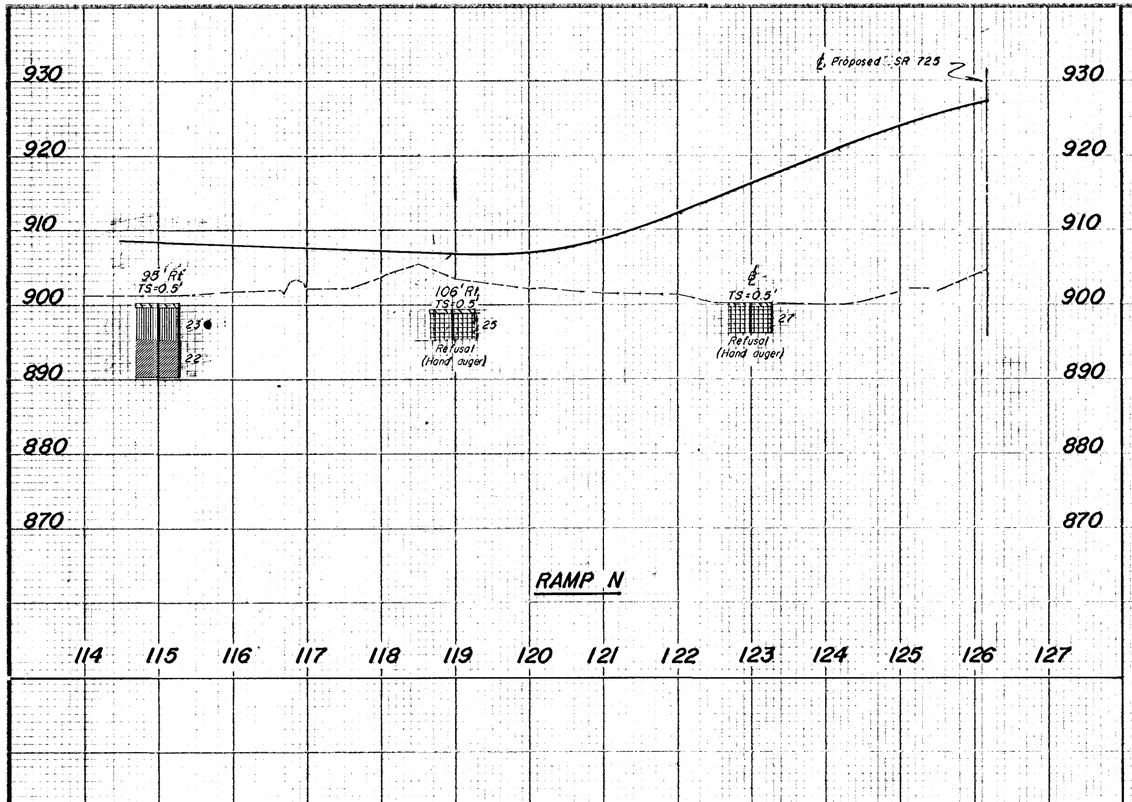
MONTGOMERY COUNTY

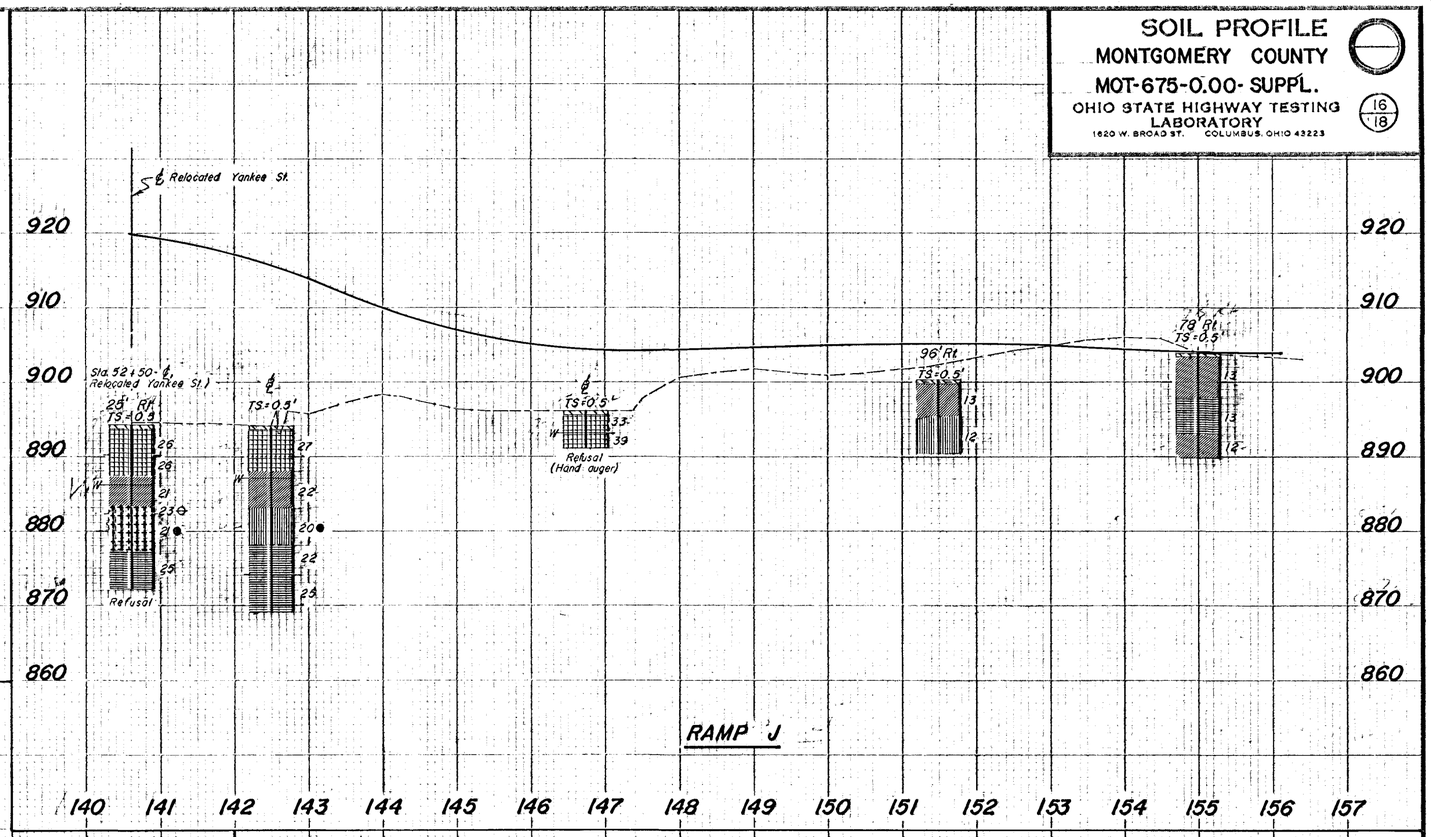
MOT-675-0.00- SUPPL.

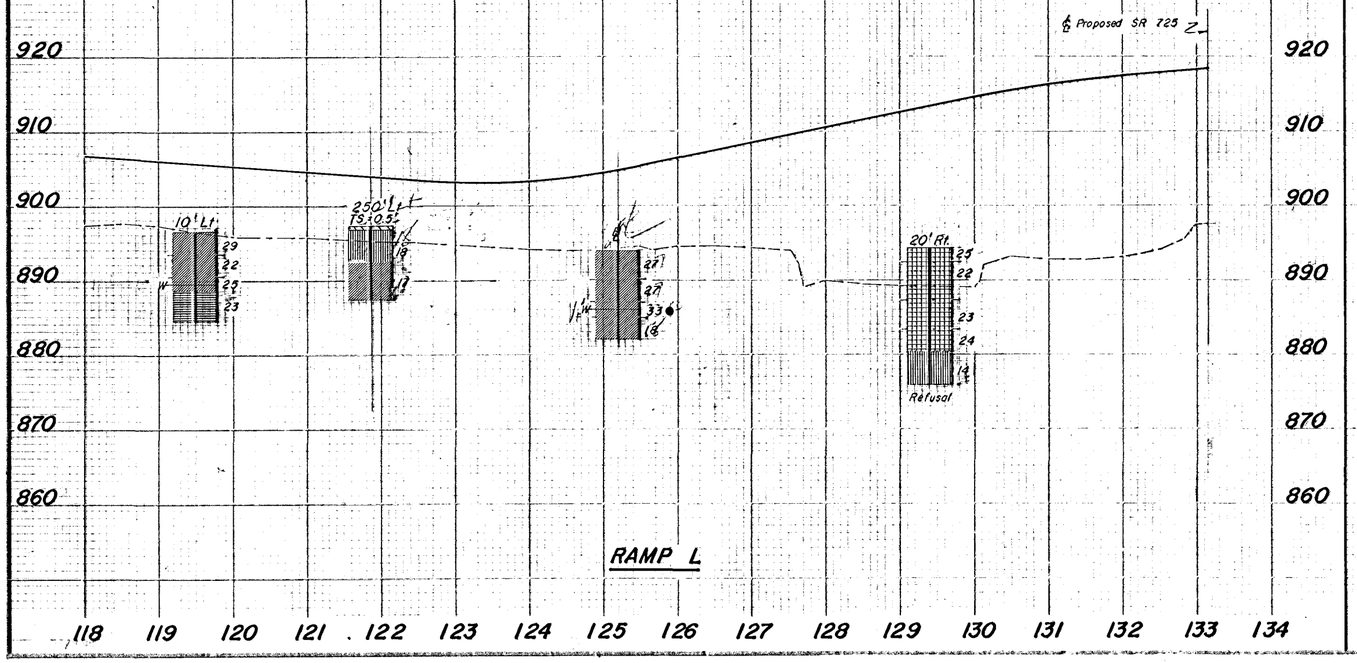
OHIO STATE HIGHWAY TESTING LABORATORY

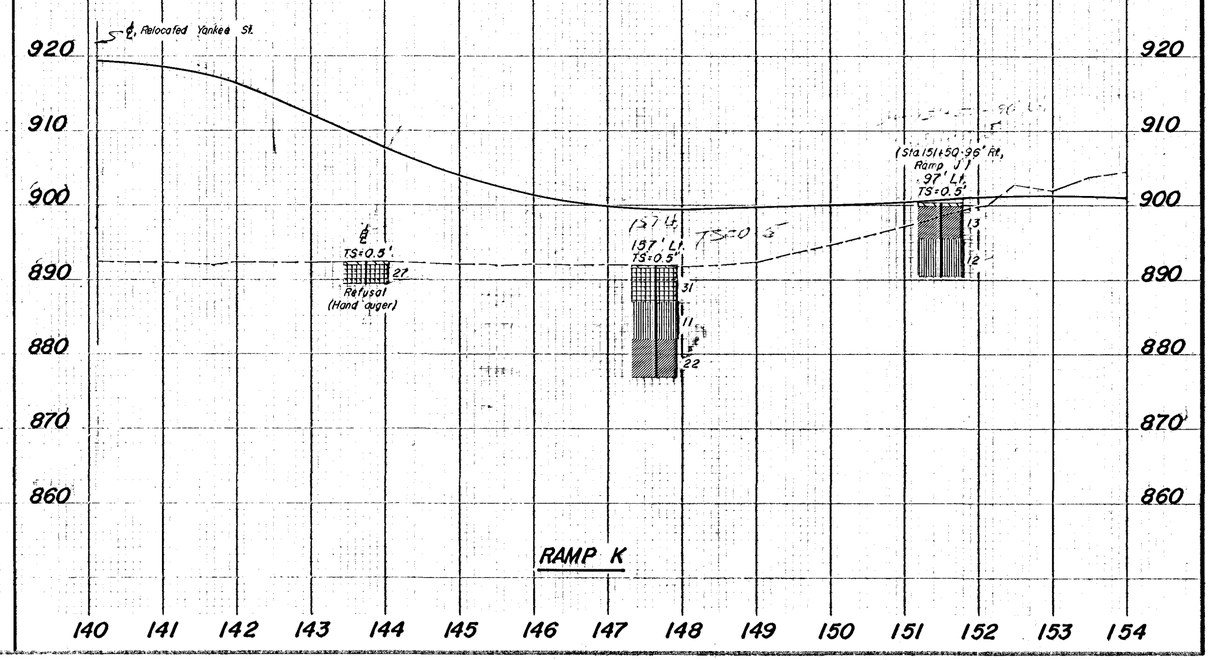
1620 W. BROAD ST. COLUMBUS, OHIO 43223

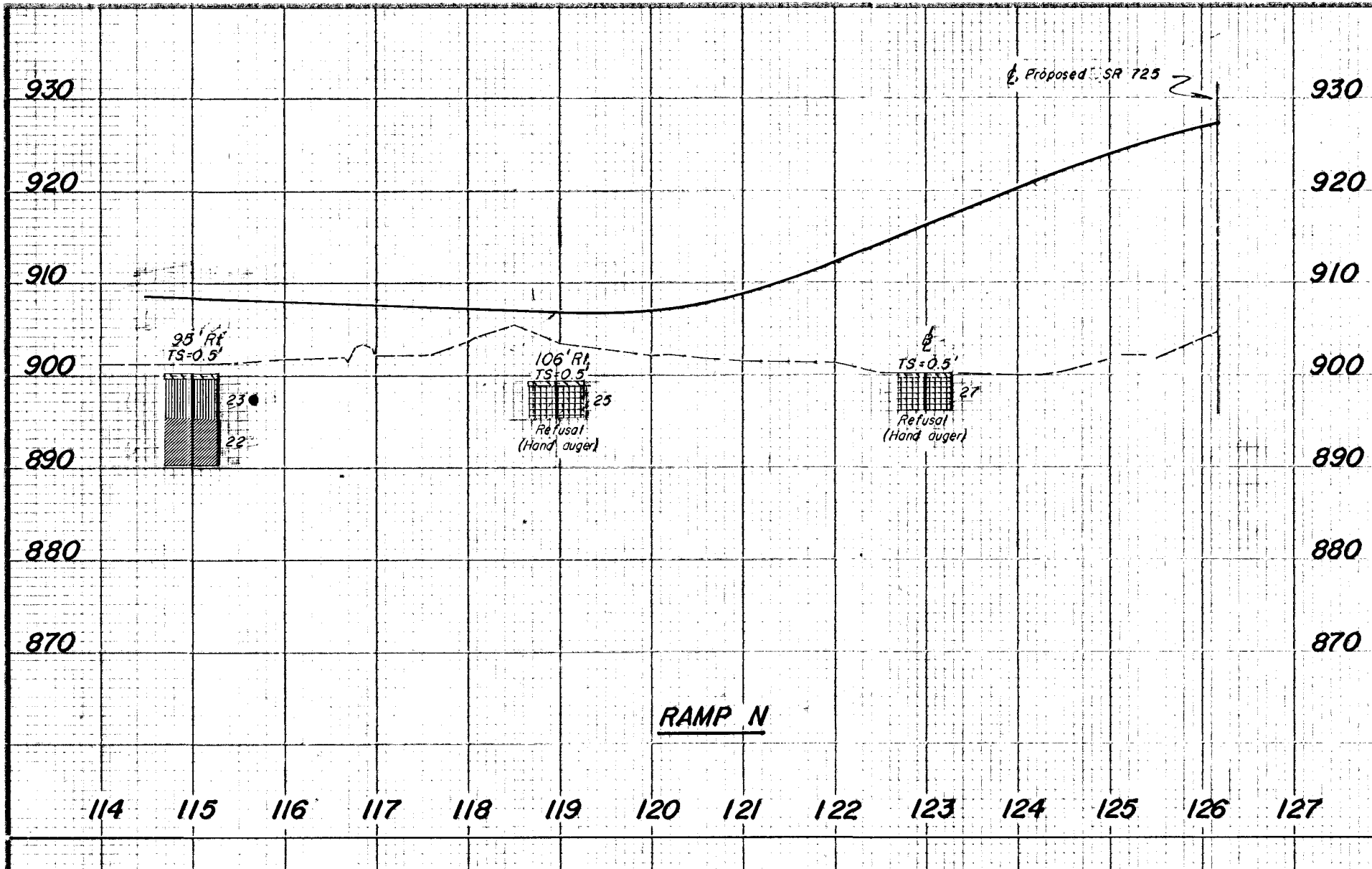
16/18





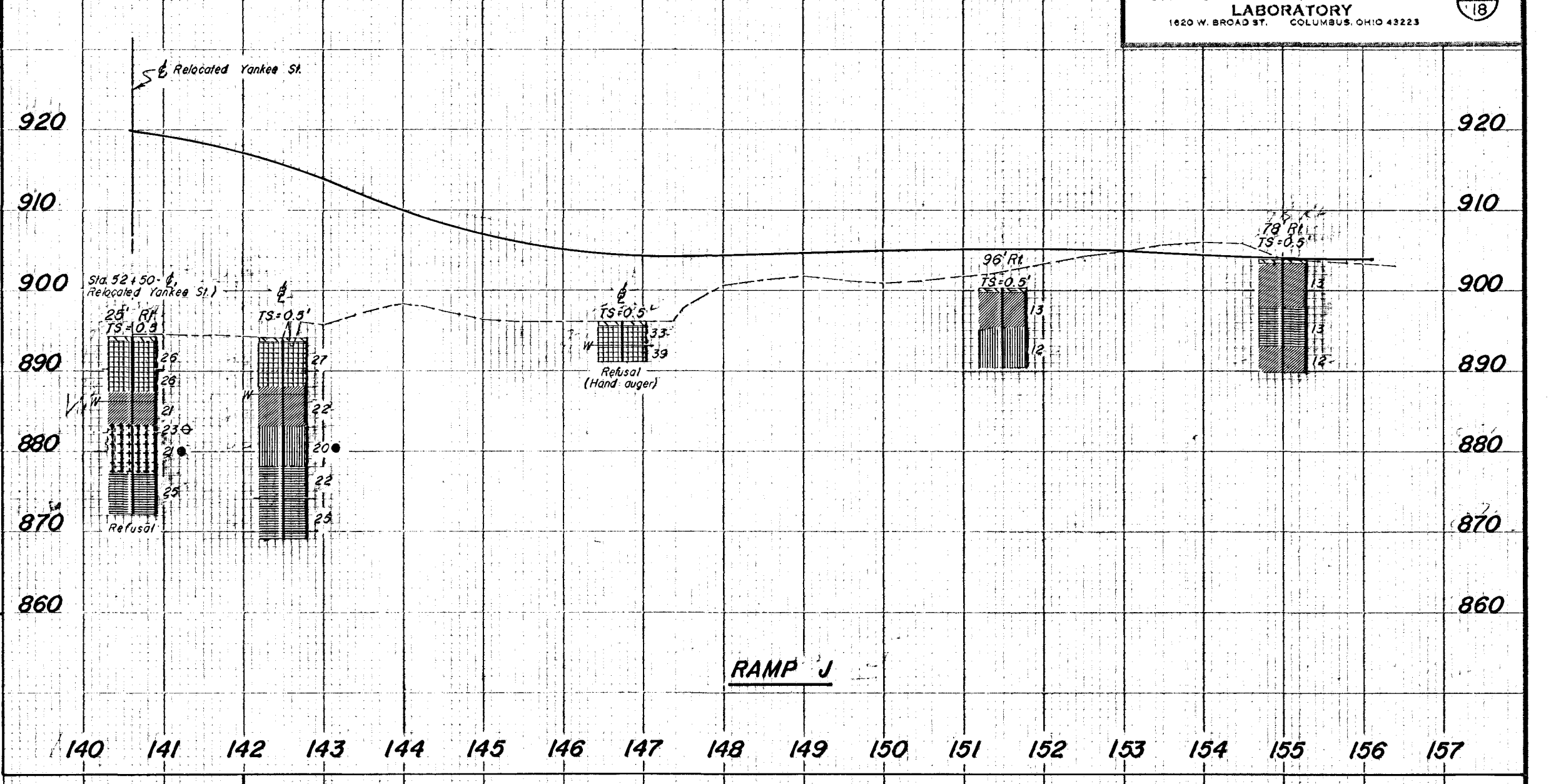


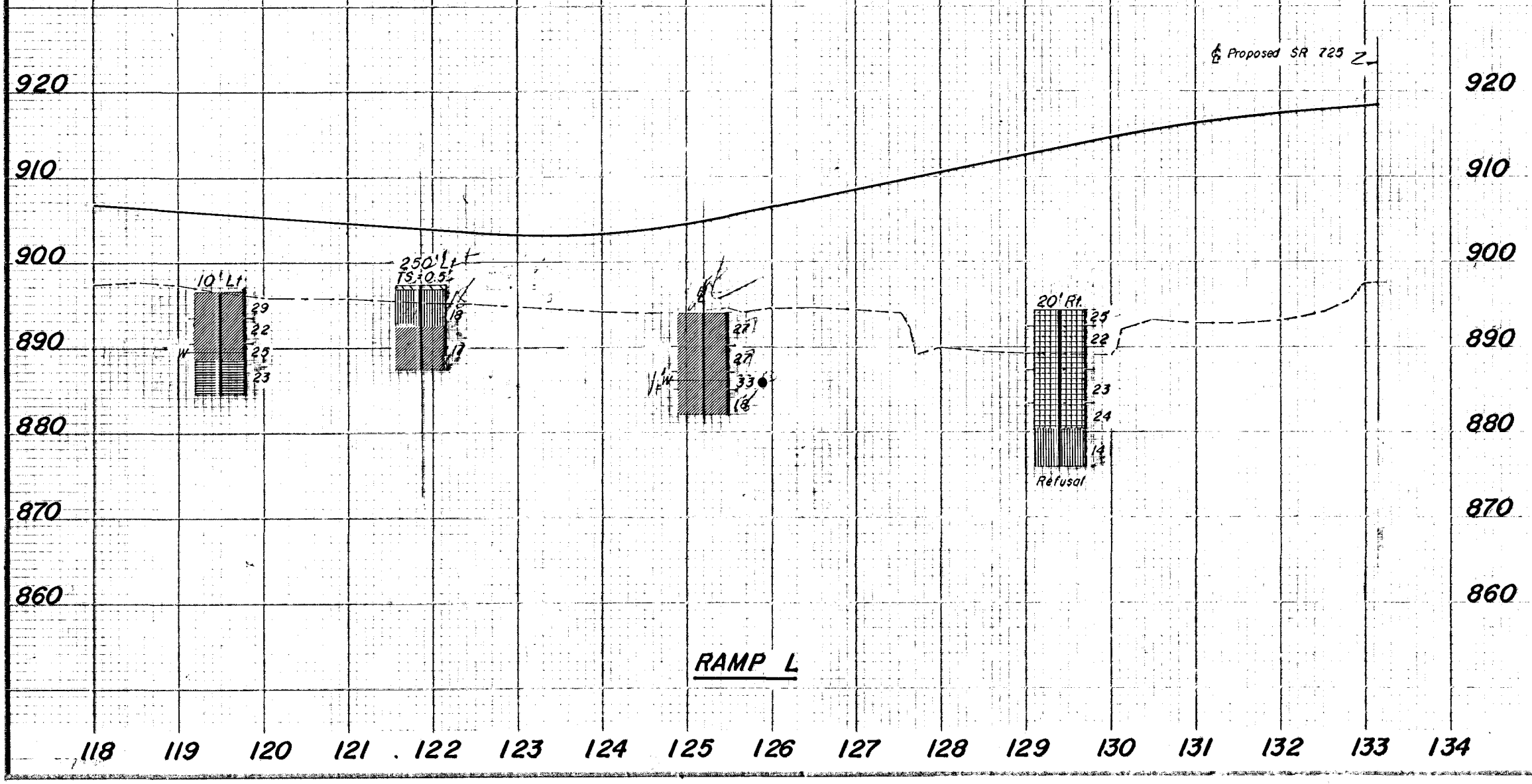


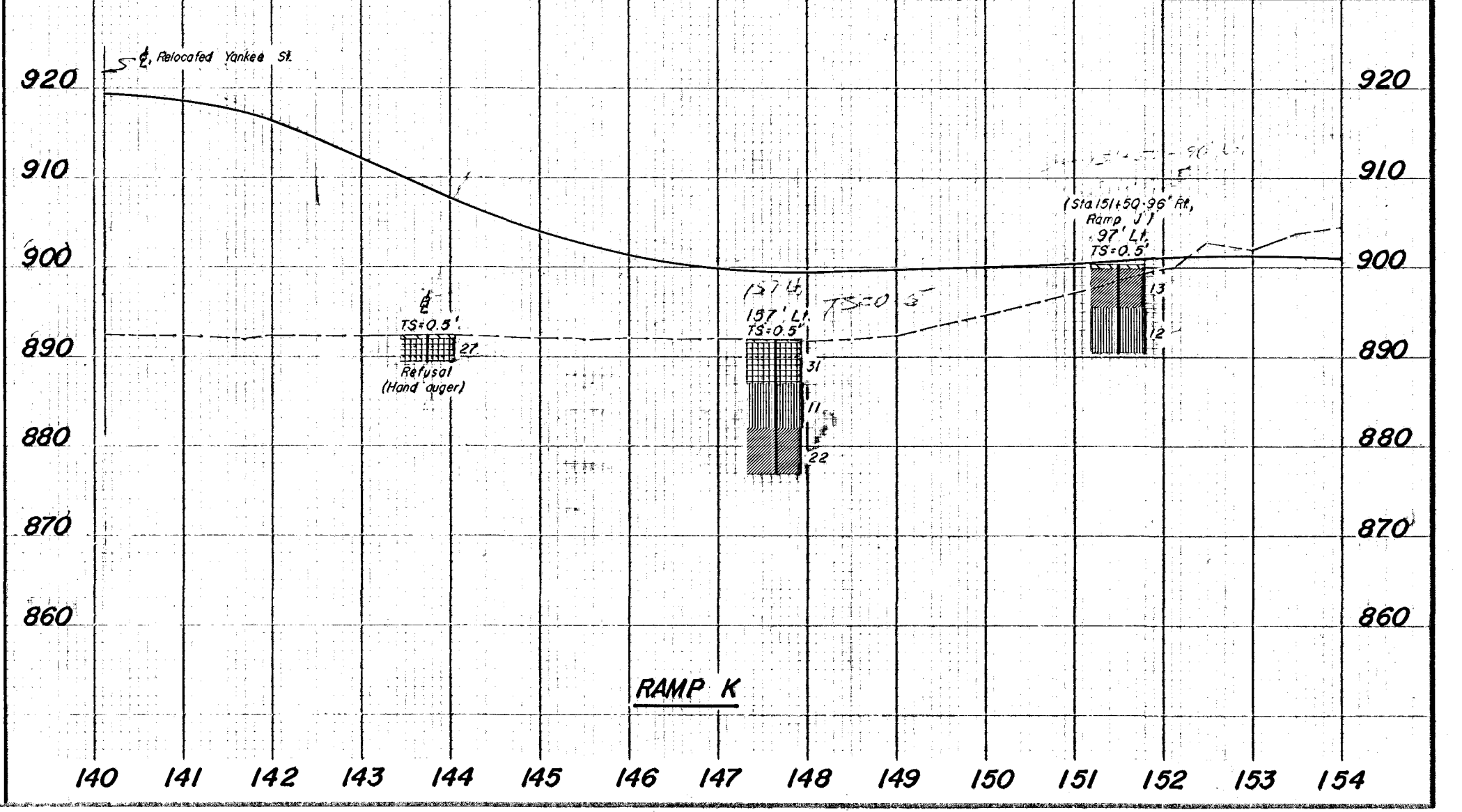

℄ Proposed SR 725
930
920
910
900
890
880
870
95' Rt
TS=0.5'
23
22
106' Rt
TS=0.5'
25
Refusal
(Hand auger)
℄
TS=0.5'
27
Refusal
(Hand auger)
RAMP N
114
115
116
117
118
119
120
121
122
123
124
125
126
127

LABORATORY
1620 W. BROAD ST. COLUMBUS, OHIO 43223

18




Proposed SR 725
10' Lt.
29
22
29
23
250' Lt
TS=0.5'
19
17
27
27
33
16
20' Rt.
25
22
23
24
14
Refusal
RAMP L
920
910
900
890
880
870
860
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134


℄ Relocated Yankee St.
920
910
900
890
880
870
860
℄
TS=0.5'
27
Refusal
(Hand auger)
137' Lt.
TS=0.5'
31
11
22
(Sta 151+50.96' Rt,
Ramp J)
97' Lt.
TS=0.5'
13
12
RAMP K
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154

SOIL PROFILE

MONTGOMERY COUNTY

MOT-675-0.00-SUPPL.

OHIO STATE HIG Y TESTING LABORATORY

1600 W. BROAD ST. COLUMBUS, OHIO 43223

17/18

Open field | Residential | Open field | Existing Yankee St.

Open field | Cultivated

℄ Relocated Yankee St.

Cultivated

Holes Creek

℄ Proposed SR 725

Existing SR 725

Existing Yankee St.

℄ Survey TR 675

℄ Proposed Frontage Rd.

Residential | Cultivated | Residential

℄ Ramp K | ℄ Ramp J

= Borings drilled for MOT-675-0.00- dated 6/18/71

12' Lt. TS=0.8 — Refusal

TS=0.6 — Refusal (Hand auger)

TS=0.6' — Refusal (Hand auger)

TS=0.5'

℄ Proposed SR 725

TS=0.3'

35' Rt. — Bottom of boring at elev. 785.6'

35' Lt. — Bottom of boring at elev. 822.7'

35' Rt.

TS=0.5' — Refusal

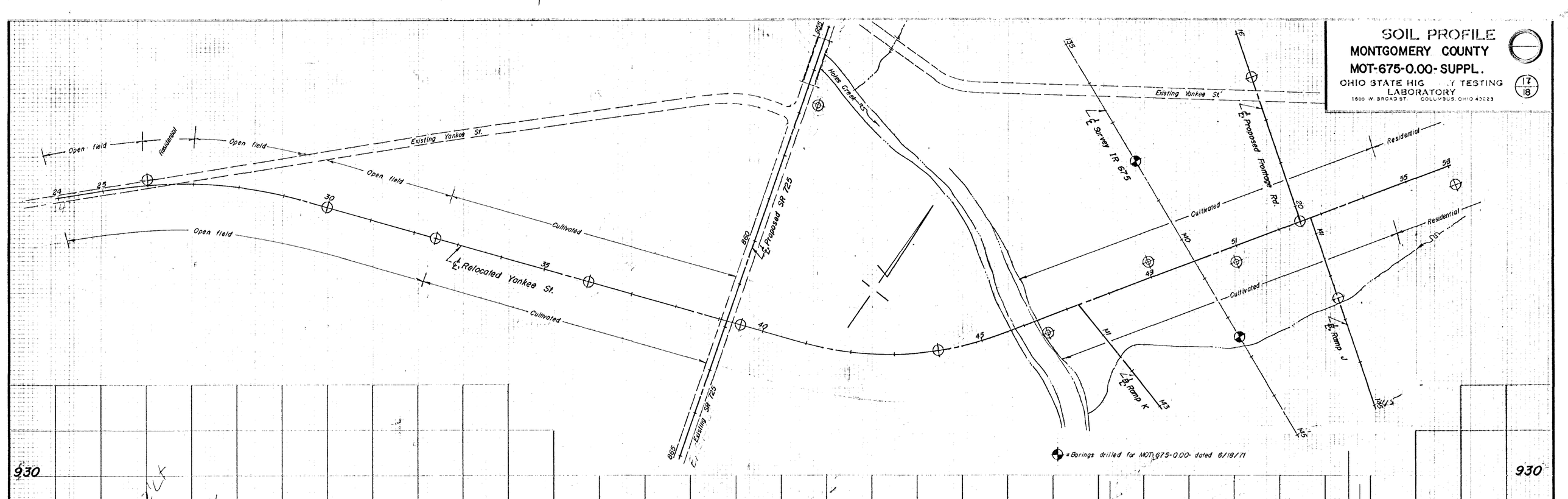
45' Rt. TS=0.6' — Refusal (Hand auger)

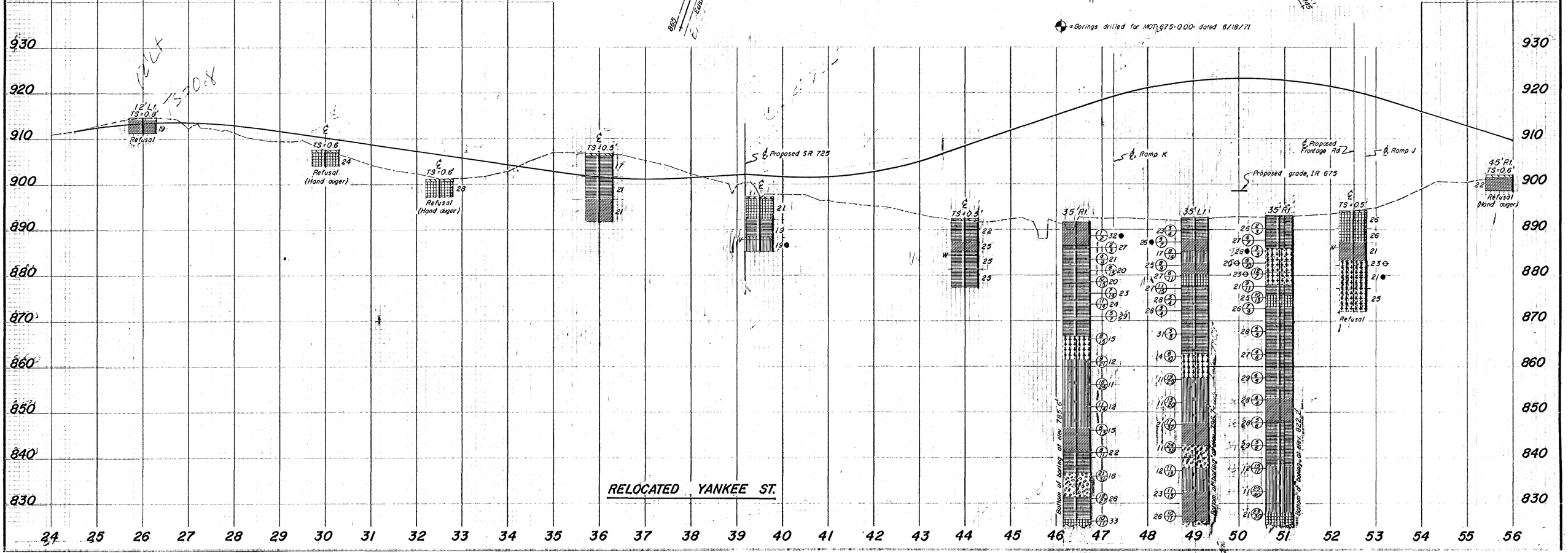
℄ Proposed Frontage Rd. | ℄ Ramp J | Proposed grade, IR 675

RELOCATED YANKEE ST.

930 920 910 900 890 880 870 860 850 840 830

24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56


SOIL PROFILE
MONTGOMERY COUNTY
MOT-675-0.00-SUPPL.
OHIO STATE HIG Y TESTING LABORATORY
1600 W. BROAD ST COLUMBUS, OHIO 43223
17
18
Open field
Residential
Open field
Existing Yankee St.
Open field
Cultivated
Open field
Cultivated
℄ Relocated Yankee St.
℄ Proposed SR 725
Existing SR 725
Holes Creek
Existing Yankee St
℄ Survey TR 675
℄ Proposed Frontage Rd.
Residential
Cultivated
Cultivated
Residential
℄ Ramp K
℄ Ramp J
= Borings drilled for MOT-675-0.00- dated 6/18/71
930
930


= Borings drilled for MOT-675-000- dated 6/18/71
12' Lt.
TS=0.8
Refusal
TS=0.6
Refusal
(Hand auger)
TS=0.6
Refusal
(Hand auger)
TS=0.5'
Proposed SR 725
TS=0.3'
Ramp K
Proposed
Frontage Rd 2
Ramp J
Proposed grade, IR 675
35' Rt.
35' Lt.
35' Rt.
TS=0.5'
45' Rt.
TS=0.6'
Refusal
(Hand auger)
Refusal
RELOCATED YANKEE ST.
930
920
910
900
890
880
870
860
850
840
830
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56

SOIL PROFILE

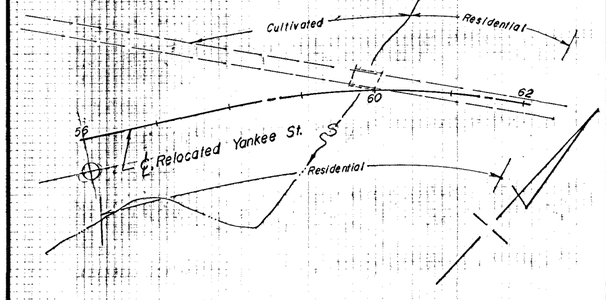
MONTGOMERY COUNTY

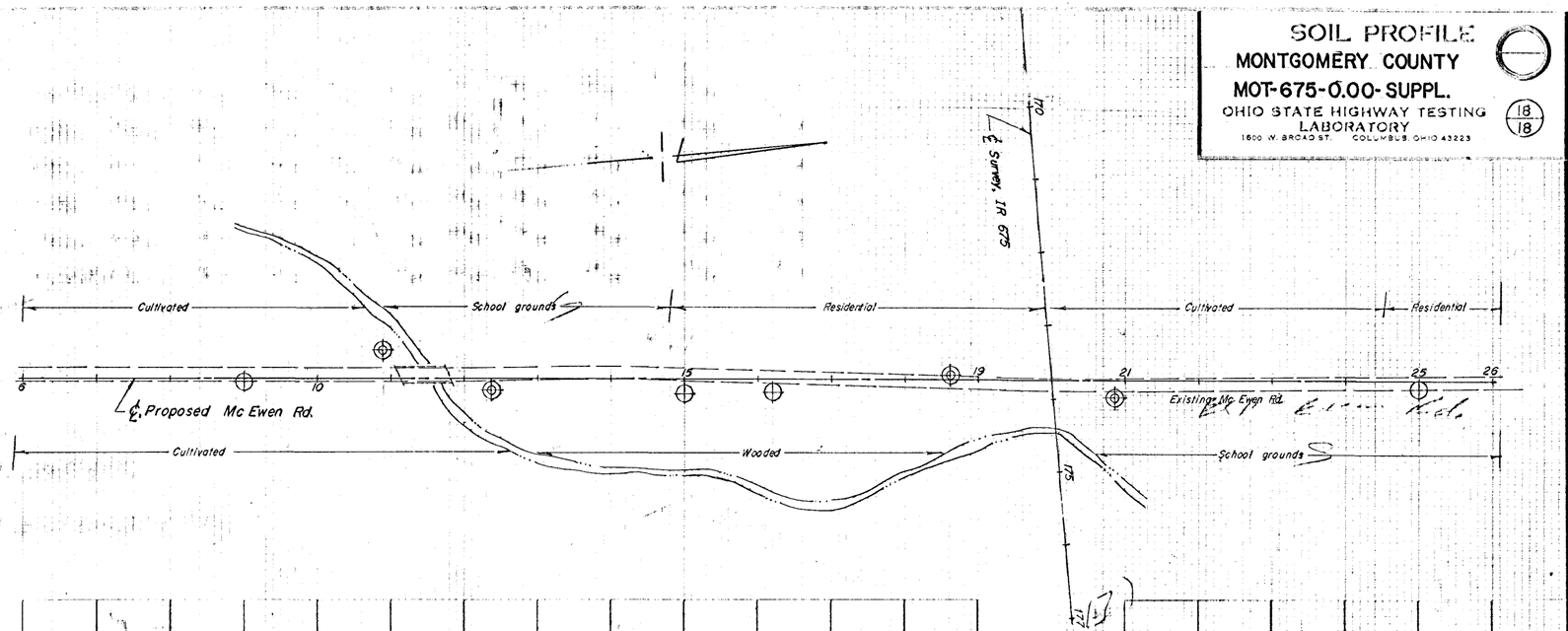
MOT-675-0.00-SUPPL.

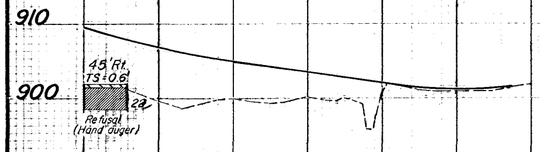
OHIO STATE HIGHWAY TESTING LABORATORY

1600 W. BROAD ST. COLUMBUS, OHIO 43223

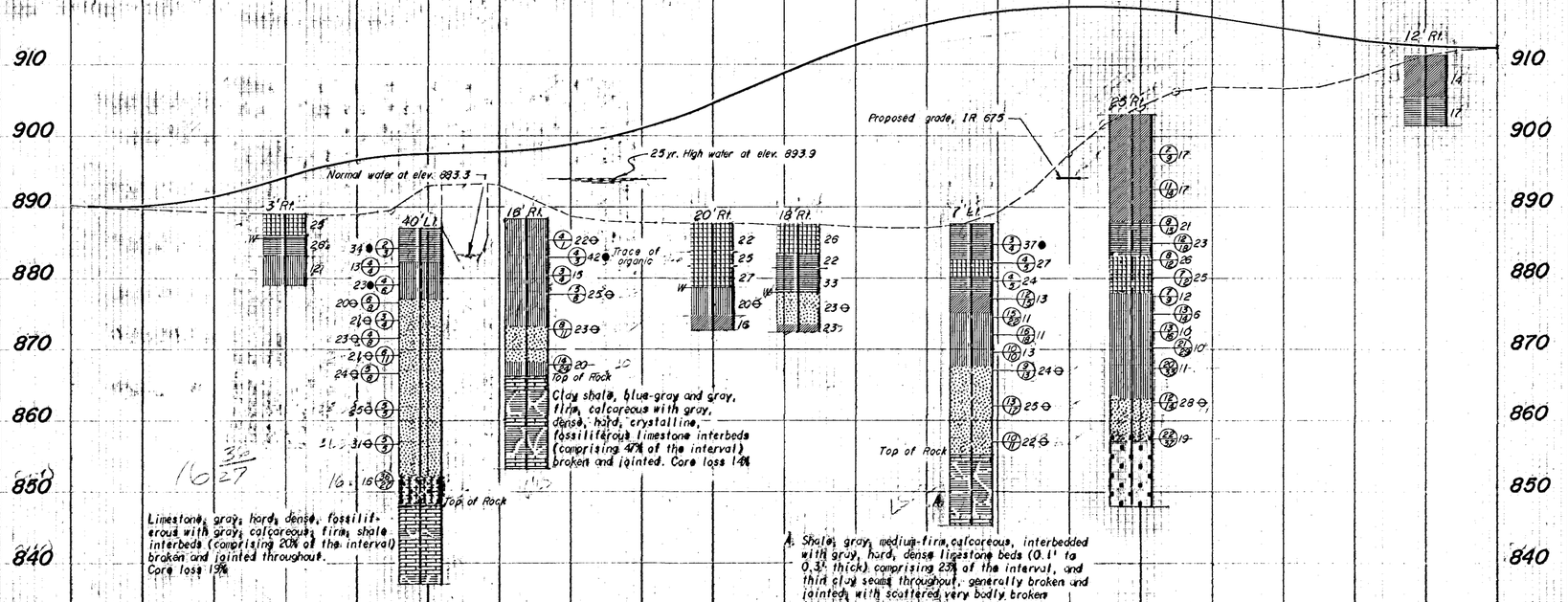
18/18







RELOCATED YANKEE RD (Cont'd.)



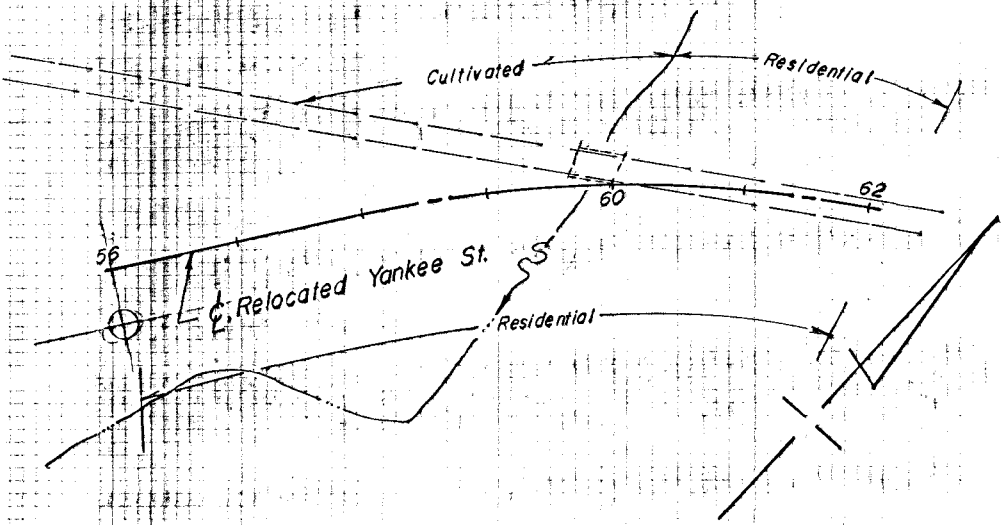
MC EWEN RD.

920 910 900 890 880 870 860 850 840 830 820

6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26

920 910 900 890 880 870 860

56 57 58 59 60 61 62


Cultivated
Residential
62
60
56
℄ Relocated Yankee St.
Residential

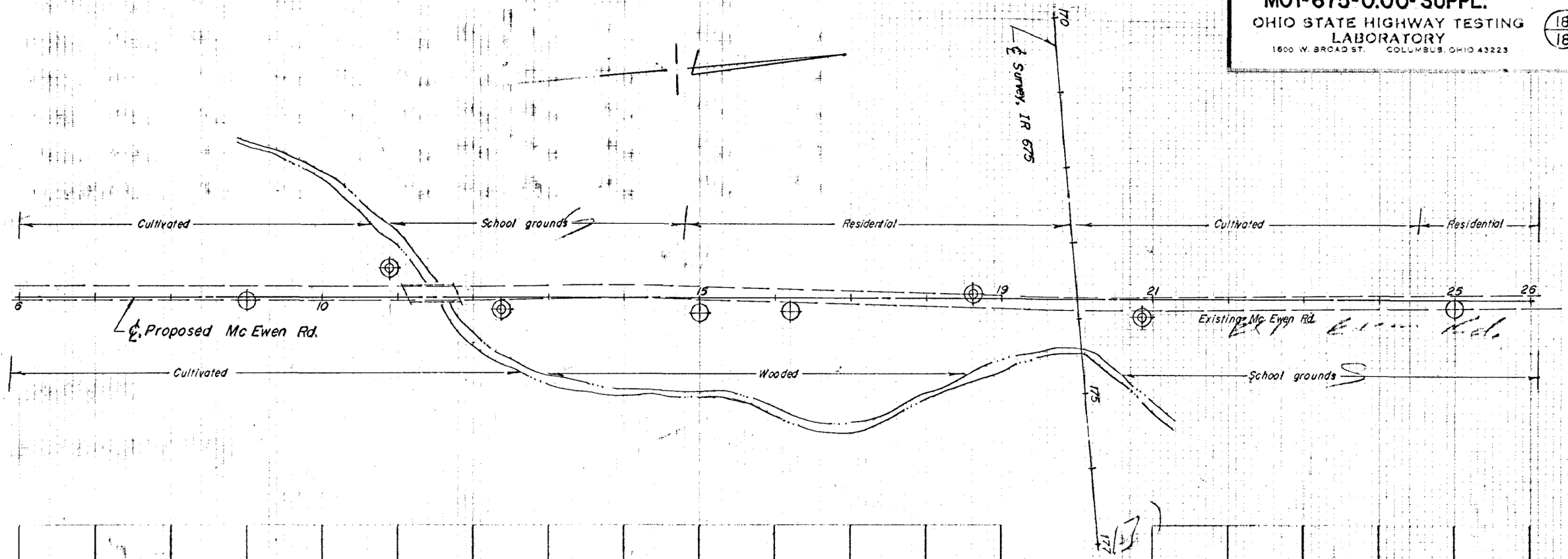
SOIL PROFILE

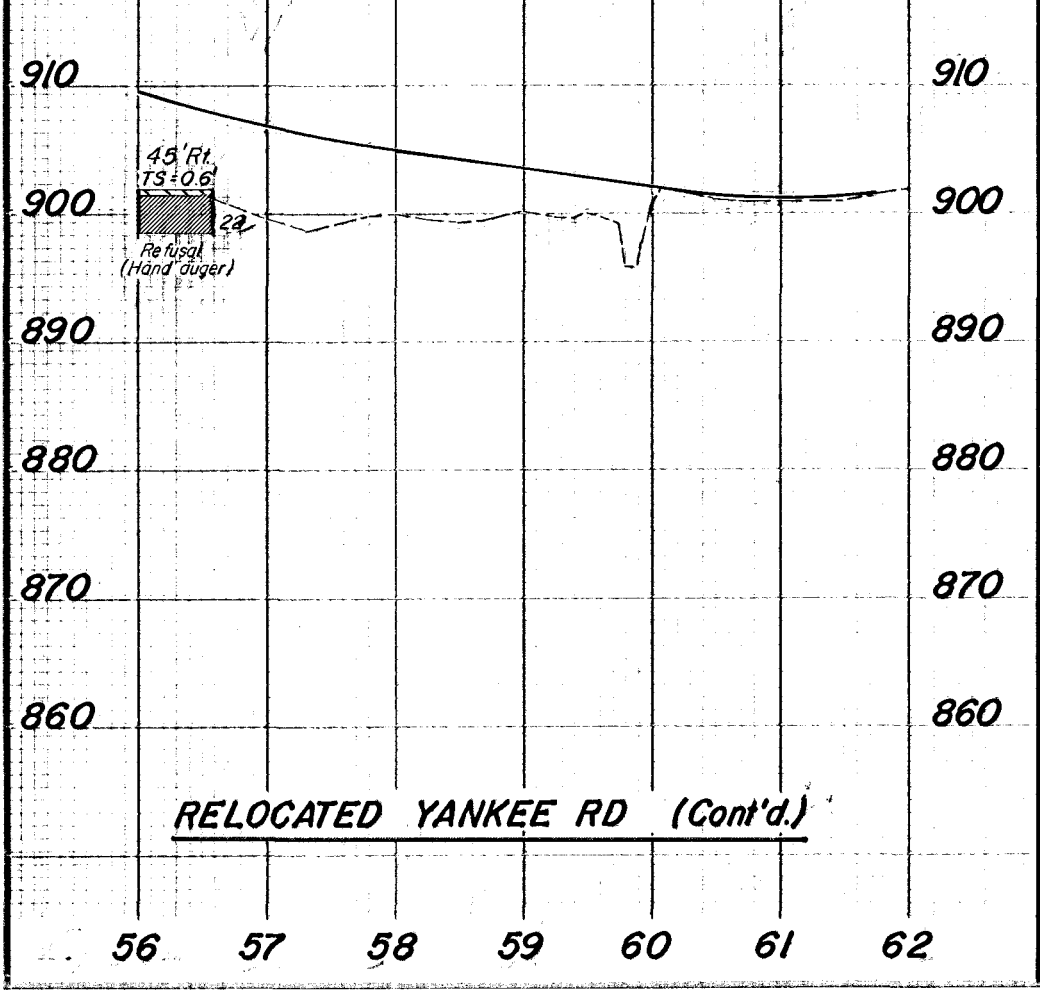
MONTGOMERY COUNTY

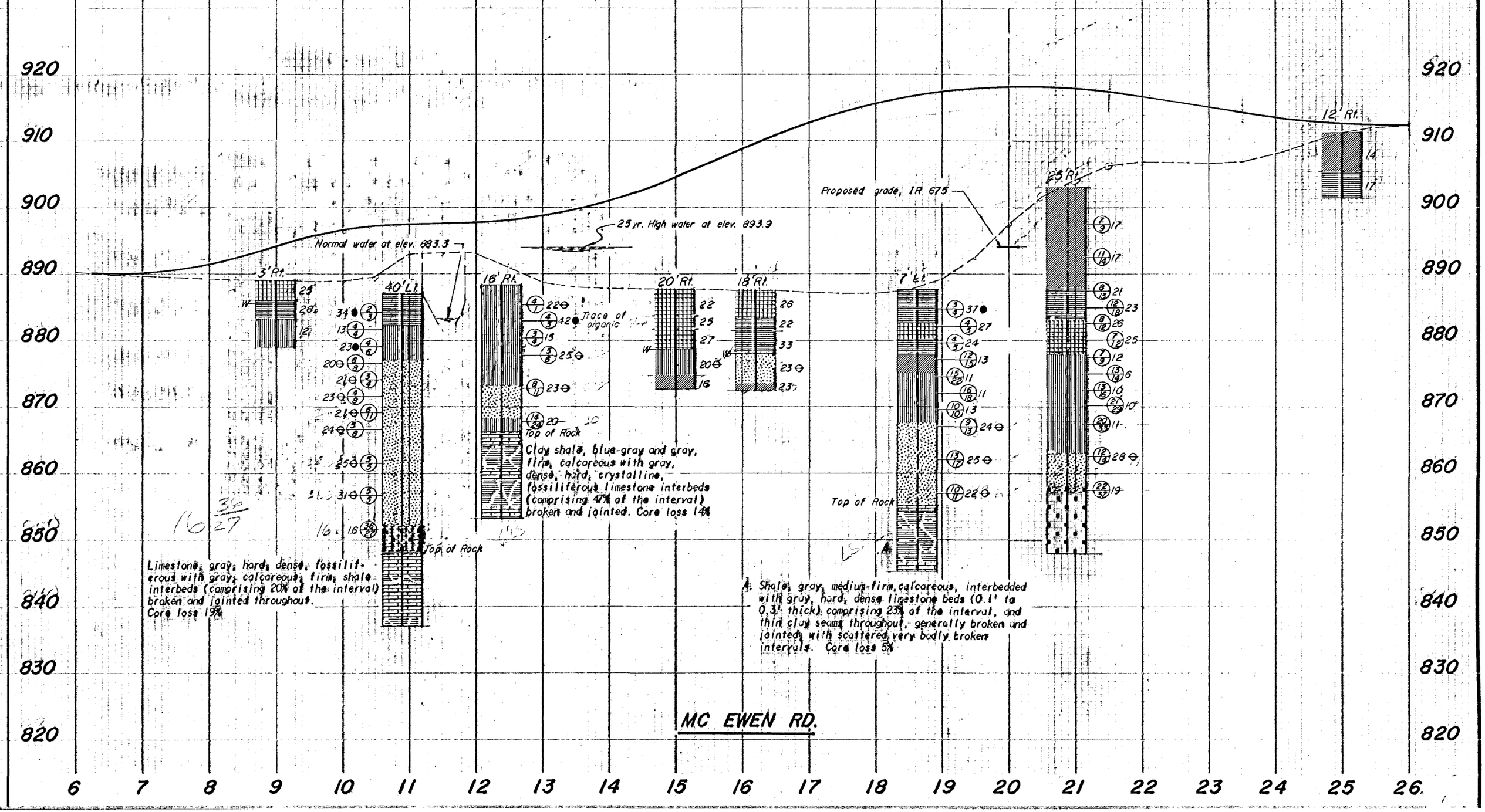
MOT-675-0.00-SUPPL.

OHIO STATE HIGHWAY TESTING LABORATORY
1600 W. BROAD ST. COLUMBUS, OHIO 43223

18/18




910
900
890
880
870
860
45' Rt.
TS=0.6'
22'
Refusal
(Hand auger)
RELOCATED YANKEE RD (Cont'd.)
56
57
58
59
60
61
62


920
910
900
890
880
870
860
850
840
830
820
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
Normal water at elev. 883.3
25 yr. High water at elev. 893.9
Proposed grade, IR 675
3' Rt.
40' Lt.
18' Rt.
20' Rt.
18' Rt.
7' Lt.
25' Rt.
12' Rt.
Top of Rock
Trace of organic
Top of Rock
Top of Rock
Limestone, gray, hard, dense, fossiliferous with gray, calcareous, firm, shale interbeds (comprising 20% of the interval) broken and jointed throughout. Core loss 19%
Clay shale, blue-gray and gray, firm, calcareous with gray, dense, hard, crystalline, fossiliferous limestone interbeds (comprising 47% of the interval) broken and jointed. Core loss 14%
Shale, gray, medium-firm, calcareous, interbedded with gray, hard, dense limestone beds (0.1' to 0.3' thick) comprising 23% of the interval, and thin clay seams throughout, generally broken and jointed with scattered very badly broken intervals. Core loss 5%
MC EWEN RD.